

ENTERED FEB 23 2010

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE-NO SITE COUNT	STATE ASSIGNED ID	[0910]
	STATE CODE	[46]
	SHRP SECTION ID	[3010]

1. ANNUAL TRAFFIC ESTIMATES

YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCKS AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT GPS LANE	ESTIMATED TOTAL TRUCKS AADT GPS LANE	ESTIMATED ESAL'S/YR GPS LANE (1000's)
1995	3650	909	1643	409	43.7
1996	3660	911	1647	410	43.9
1997	4010	1120	1805	504	48.1
1998	3890	984	1750	443	46.6
1999	3910	930	1760	418	45.4
2000	4120	980	1854	441	47.9
2007	4140	965	1863	434	50.2
2008	4400	1025	1980	461	52.8
2009	4620	1049	2079	472	55.4

2. METHODS 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 _____

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 average from previous years count.
- ☐ Used computerized network analysis.
- ☐ Other _____

4. METHOD FOR ESTIMATING TOTAL VEHICLES GPS LANE AADT.
- ☐ System distribution factors.
- ☒ Other Estimation 90/10

5. METHOD FOR ESTIMATING TOTAL TRUCKS, GPS LANE, AADT.
- ☐ System distribution factors.
- ☒ Other Estimation 90/10

6. METHOD FOR ESTIMATING ESAL/YEAR IN GPS LANE.
- ☒ ESAL/Truck factor.
- ☐ ESAL/vehicle class
- ☐ System distribution factors - _____ # of classes.
- ☐ 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 NA - Classification site

NAME OF PREPARER Kenneth E. Marks
 DATE PREPARED 02/25/2010

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SHEET 12 LTPP TRAFFIC DATA COLLECTION SITE	STATE ASSIGNED ID	[3910]
	STATE CODE	[46]
	SHRP SECTION ID	[3010]
	EFFECTIVE DATE	[]

HIGHWAY RT. NO. I 29 SBL MILEPOST NO. MRM 229.960

LOCATION North of Sisseston

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER ☐ # BINS ☐

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE ☐ PERMANENT ☒

AVC EQUIPMENT MAKE/MODEL NO. _____

SENSOR TYPE _____

WEIGHT SCALE TYPE: PORT. WIM ☐ PERM. WIM ☒ OTHER ☐

EQUIPMENT MAKE/MODEL NO. PAT DAW 190

SENSOR TYPE Bending Plate

METHOD OF CALIBRATION: Initial calibration was done with a 5 axle semi having known weights and axle spacings.
System will use auto calibration algorithms on 5 axle semi's during system operation.

FREQUENCY OF CALIBRATION: Yearly using 5 axle semi's from traffic stream with indepent weights by Highway Patrol Static Scale

COMMENTS: WIM has not worked all year.

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