

ENTERED FEB 23 2010 *pl*

SHEET 10 LTPP TRAFFIC DATA  TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE-NO SITE COUNT	STATE ASSIGNED ID	[ 0907 ]
	STATE CODE	[ 46 ]
	SHRP SECTION ID	[ 5025 ]

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	4640	1364	2088	612	37.0
1996	5420	1593	2439	715	43.2
1997	5630	1436	2412	615	64.2
1998	5640	1534	2538	690	67.6
1999	5760	1549	2592	697	67.0
2000	6180	1662	2781	748	71.8
2001	6200	1680	2790	756	71.6
2002	5100	1352	2295	608	58.9
2003	4920	1387	2214	624	56.2
2004	5020	1416	2259	637	59.5
2005	4970	1546	2237	696	58.9
2006	5410	1693	2435	762	64.1
2007	5440	1594	2448	717	66.0
2008	5420	1491	2439	671	65.0
2009	5470	1373	2461	618	65.6

2. METHODS FOR ESTIMATING TOTAL VEHICLE AADT (TWO-WAY).
- [ ] Growth factored last year's estimate.
- [ X ] 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.
- [ X ] 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.
- [ X ] Other Estimation 90/10

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

6. METHOD FOR ESTIMATING ESAL/YEAR IN GPS LANE.
- [ X ] 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.
- [ X ] 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.
- [ X ] 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	[ 3907 ]
	STATE CODE	[ 46 ]
	SHRP SECTION ID	[ 5025 ]
	EFFECTIVE DATE	[ 05/15/09 ]

HIGHWAY RT. NO. Interstate 90 East Bound Driving Lan MILEPOST NO. MRM 128 + .940

LOCATION West of Spearfish

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER                      # BINS 13

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE X                      PERMANENT                     

AVC EQUIPMENT MAKE/MODEL NO. Diamond Unicorn Limited

SENSOR TYPE Road Tube

WEIGHT SCALE TYPE: PORT. WIM                      PERM. WIM                      OTHER                     

EQUIPMENT MAKE/MODEL NO.                     

SENSOR TYPE                     

METHOD OF CALIBRATION: Field Tech manual observations and comparisons of live traffic stream vs counter recording

FREQUENCY OF CALIBRATION: Yearly

COMMENTS: Data from April 23 to 30, 2009

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