

ENTERED FEB 23 2010

SHEET 10 LTPP TRAFFIC DATA  TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE-NO SITE COUNT	STATE ASSIGNED ID	[     ]
	STATE CODE	[ 46 ]
	SHRP SECTION ID	[ 3013 ]

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	4810	832	2165	374	44.2
1996	5650	977	2543	440	51.9
1997	5510	948	2480	427	50.6
1998	5980	1029	2691	463	54.9
1999	5920	1054	2664	474	52.8
2000	5830	1172	2624	527	67.8
2001	5770	1217	2597	548	66.6
2002	5400	1037	2430	467	48
2003	5830	1149	2624	517	66.6
2004	5660	957	2547	430	51.9
2005	5530	1338	2489	602	65.5
2006	5710	1125	2570	506	67.7
2007	5130	960	2309	432	62.3
2008	5690	933	2561	420	53.1
2009	5580	915	2511	412	52.1

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.
- [     ] Sytem distribution factors.
- [ X ] Other Estimation 90/10

6. METHOD FOR ESTIMATING ESAL/YEAR IN GPS LANE.
- [ X ] ESAL/Truck factor.
- [     ] ESAL/vehicle class
- [     ] Sytem 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	[ 3915 ]
	STATE CODE	[ 46 ]
	SHRP SECTION ID	[ 3013 ]
	EFFECTIVE DATE	[ 05/15/09 ]

HIGHWAY RT. NO. Interstate 90 East Bound Driving Lan MILEPOST NO. MRM 8 + .210

LOCATION West of Spearfish

VEHICLE CLASSIFICATION METHOD: FHWA ☒ 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 13 to 20, 2009

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