

SHEET 10
LTPP TRAFFIC DATA

TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE-NO SITE COUNT

STATE ASSIGNED ID [0916]
STATE CODE [46]
SHRP SECTION ID [5020]

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)
1994	10740	1396 955	4833	628 428	69 56.4

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 _____

ENTERED APR 08 1999

NAME OF PREPARER Rocky W. Hook
DATE PREPARED 11/7/95

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SHEET 12
TRAFFIC DATA
COLLECTION SITE

STATE ASSIGNED ID [3916]
STATE CODE [46]
SHRP SECTION ID [5020]
EFFECTIVE DATE 4/1/1994

HIGHWAY RT. NO. I90 WBL MILEPOST NO. MRM 15.86

LOCATION East of Spearfish

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE X PERMANENT

AVC EQUIPMENT MAKE/MODEL NO. Traffic Comp III, Model 241

SENSOR TYPE Road Tube or Piezo

WEIGHT SCALE TYPE: PORT. WIM PERM. WIM OTHER

EQUIPMENT MAKE/MODEL NO.

SENSOR TYPE

METHOD OF CALIBRATION: Calibration was perform based on visual observation.

FREQUENCY OF CALIBRATION:

COMMENTS: SDDOT will use a temporary automatic vehicle classification
system to conduct classifications near the site. This will be conducted
seasonally.

We have installed a permanent automatic vehicle classifications
system near the site but immediately had problems with the axle
sensor (piezo cable). When we resolve the sensor problem, we will begin
supplying continuous data.

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DATE PREPARED 04-08-94