

**SHEET 10
LTPP TRAFFIC DATA**

**TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE-NO SITE COUNT**

*STATE ASSIGNED ID []
 *STATE CODE 31
 *SHRP SECTION ID 4019

1. ANNUAL TRAFFIC ESTIMATES

*YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT LTPP LANE	*ESTIMATED TOTAL TRUCKS AADT LTPP LANE	*ESTIMATED ESAL=S/YR LTPP LANE (1000'S)
<u>1997</u>	<u>169779</u>	<u>2686</u>	<u>6791</u>	<u>883</u>	<u>516</u>

**2. METHOD FOR ESTIMATING TOTAL VEHICLE
AADT (TWO-WAY)**

- ☒ Growth factored last year=s estimate. (6)
- ☐ Estimated based on volume counts at nearby locations. (3)
- ☐ Used computerized network analyses. (4)
- ☐ Factored a single count taken this year at the LTPP site. (1)
- ☐ Average multiple counts taken this year at the LTPP site. (2)
- ☐ Average and factored multiple count taken this year at the LTPP site. (5)
- ☐ Used flow maps. (7)
- ☐ Other: (8)

**3. METHOD FOR ESTIMATING TOTAL TRUCK
AADT (TWO-WAY)**

- ☐ Used system averages from counts taken this year. (6)
- ☐ Used count data from nearby sites. (3)
- ☐ Used count data from previous years at the LTPP site. (7)
- ☒ Used system averages from previous years. (8)
- ☐ Used computerized network analyses. (4)
- ☐ Used a single count taken this year at the LTPP site. (5)
- ☐ Factored a single count taken this year at the LTPP site. (1)
- ☐ Averaged multiple counts taken this year at the LTPP site. (2)
- ☐ Other: (9)

**4. METHOD FOR ESTIMATING TOTAL VEHICLES
LTPP LANE AADT**

- ☐ System distribution factors. (2)
- ☐ Based on actual lane count data. (1)
- ☒ Other: (3) G.F.

***5. METHOD FOR ESTIMATING TOTAL TRUCKS,
LTPP LANE, AADT**

- ☐ System distribution factors. (2)
- ☐ Based on actual lane data count. (1)
- ☒ Other: (3) G.F.

***6. METHOD FOR ESTIMATING ESAL/YEAR
IN LTPP LANE**

- ☒ ESAL/Truck factor (1)
- ☐ ESAL/Vehicle class. (2) (No. of classes)
- ☐ ESAL/Axle(3) Sing. ☐ Tand. ☐ Tri. ☐
- ☐ Other: (4)

7. ESAL ESTIMATES - SOURCE OF DATA

- ☐ Weight data collected at LTPP site prior years. (2)
- ☐ Weight data from system averages this year. (3)
- ☒ Weight data from system averages prior years. (4)
- ☐ Weight data from historic W-4 Tables used. (5)
- ☐ Other: (6)

8. WEIGHT SCALE TYPE

- ☐ WIM scale. (1)
- ☐ Static scale used for enforcement. (2)
- ☒ Static scale not used for enforcement. (3)
- ☐ Other: (4)

ENTERED APR 16 2009

NAME OF PREPARER N. Whiteford PHONE# _____
 DATE PREPARED 4/16/09 rev. March 12, 2001

SHEET 12 STATE ASSIGNED ID 353
TRAFFIC DATA STATE CODE 31
COLLECTION SITE SHRP SECTION ID 4019
HIGHWAY RT. NO. IH - 129 EB MILEPOST NO. 2.19
LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.
FILENAME: C314019.C17 DISK/TAPE ID 0297
BEGIN'G DATE 01/01/97 TIME 00:00:00 ENDING DATE 01/06/97 TIME 10:59:59
COUNT DURATION 06 [] HOURS [X] DAYS [] MONTHS
VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS
TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE PERMANENT X
AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001
SENSOR TYPE: Piezo Cable.
WEIGHT SCALE TYPE: PORT. WIM X PERM. WIM OTHER
EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN
SENSOR TYPE: CAP MAT
METHOD OF CALIBRATION: STATIC SCALE
FREQUENCY OF CALIBRATION: ANNUAL
COMMENTS: Piezo loops went out on lane one. Lane 1 was out for the rest of the month. Data was
lost from the 6th 12:00 to the 9th at 11:00. Reason was not stated.

NAME OF PREPARER: *Roger Bernard* PHONE NO. (402) 479-4364
DATE PREPARED: 03/18/98

SHEET 12 STATE ASSIGNED ID 353
TRAFFIC DATA STATE CODE 31
COLLECTION SITE SHRP SECTION ID 4019
HIGHWAY RT. NO. IH - 129 EB MILEPOST NO. 2.19
LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.
FILENAME: C314019.C17 DISK/TAPE ID 0297
BEGIN'G DATE 01/09/97 TIME 10:00:00 ENDING DATE 01/31/97 TIME 23:59:59
COUNT DURATION 23 [] HOURS [X] DAYS [] MONTHS
VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS
TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE PERMANENT X
AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001
SENSOR TYPE: Piezo Cable.
WEIGHT SCALE TYPE: PORT. WIM X PERM. WIM OTHER
EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN
SENSOR TYPE: CAP MAT
METHOD OF CALIBRATION: STATIC SCALE
FREQUENCY OF CALIBRATION: ANNUAL
COMMENTS: Only lane 1 is recording to the end of the month. There were problems with lane 2
piezo.

NAME OF PREPARER: *Roger Thomas* PHONE NO. (402) 479-4364
DATE PREPARED: 03/18/98

SHEET 12 STATE ASSIGNED ID 353
TRAFFIC DATA STATE CODE 31
COLLECTION SITE SHRP SECTION ID 4019
HIGHWAY RT. NO. IH - 129 EB MILEPOST NO. 2.19
LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.
FILENAME: C314019.D17 DISK/TAPE ID 0397
BEGIN'G DATE 02/20/97 TIME 00:00:00 ENDING DATE 02/28/97 TIME 23:59:59
COUNT DURATION 08 [] HOURS [X] DAYS [] MONTHS
VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS
TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE PERMANENT X
AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001
SENSOR TYPE: Piezo Cable.
WEIGHT SCALE TYPE: PORT. WIM X PERM. WIM OTHER
EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN
SENSOR TYPE: CAP MAT
METHOD OF CALIBRATION: STATIC SCALE
FREQUENCY OF CALIBRATION: ANNUAL
COMMENTS: Only lane 2 was being collected for entire month.

NAME OF PREPARER: *Roger Tomasz* PHONE NO. (402) 479-4364
DATE PREPARED: 03/18/98

SHEET 12

STATE ASSIGNED ID 353

TRAFFIC DATA

STATE CODE 31

COLLECTION SITE

SHRP SECTION ID 4019

HIGHWAY RT. NO. IH - 129 EB MILEPOST NO. 2.19

LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.

FILENAME: C314019.D17 DISK/TAPE ID 0397

BEGIN'G DATE 02/01/97 TIME 00:00:00 ENDING DATE 02/12/97 TIME 23:59:59

COUNT DURATION 12 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE PERMANENT X

AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001

SENSOR TYPE: Piezo Cable.

WEIGHT SCALE TYPE: PORT. WIM X PERM. WIM OTHER

EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN

SENSOR TYPE: CAP MAT

METHOD OF CALIBRATION: STATIC SCALE

FREQUENCY OF CALIBRATION: ANNUAL

COMMENTS: Only lane 2 was being collected for entire month. Data missing from the 13th through

The 20. No reason was given.

NAME OF PREPARER: *Roger Tomask* PHONE NO. (402) 479-4364

DATE PREPARED: 03/18/98

SHEET 12

STATE ASSIGNED ID 353

TRAFFIC DATA

STATE CODE 31

COLLECTION SITE

SHRP SECTION ID 4019

HIGHWAY RT. NO. IH - 129 EB MILEPOST NO. 2.19

LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.

FILENAME: C314019.E17 DISK/TAPE ID: 0497

BEGIN'G DATE 03/01/97 TIME 00:00:00 ENDING DATE 03/31/97 TIME 23:59:59

COUNT DURATION 31 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X * OTHER #BINS

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE PERMANENT X

AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001

SENSOR TYPE: Piezo Cable.

WEIGHT SCALE TYPE: PORT. WIM X PERM. WIM OTHER

EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN

SENSOR TYPE: CAP MAT

METHOD OF CALIBRATION: STATIC SCALE

FREQUENCY OF CALIBRATION: ANNUAL

COMMENTS: Only the driving lane was recording for the entire month. Lane 2 was out starting on
January 6, 1997.

NAME OF PREPARER: *Roger Thomas* PHONE NO. (402) 479-4364

DATE PREPARED: 04/02/98

SHEET 12

STATE ASSIGNED ID 353

TRAFFIC DATA

STATE CODE 31

COLLECTION SITE

SHRP SECTION ID 4019

HIGHWAY RT. NO. IH - 129 EB

MILEPOST NO. 2.19

LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.

FILENAME: C314019.F17

DISK/TAPE ID 0597

BEGIN'G DATE 04/01/97

TIME 00:00:00

ENDING DATE 04/30/97

TIME 23:59:59

COUNT DURATION 00

[] HOURS

[X] DAYS

[] MONTHS

VEHICLE CLASSIFICATION METHOD:

FHWA

X

OTHER

#BINS

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE

PERMANENT

X

AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001

SENSOR TYPE: Piezo Cable.

WEIGHT SCALE TYPE: PORT. WIM

X

PERM. WIM

OTHER

EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN

SENSOR TYPE: CAP MAT

METHOD OF CALIBRATION: STATIC SCALE

FREQUENCY OF CALIBRATION: ANNUAL

COMMENTS: Hard drive crash caused loss of all data for entire month.

NAME OF PREPARER:

Roger Romasch

PHONE NO. (402) 479-4364

DATE PREPARED: 03/18/98

SHEET 12

STATE ASSIGNED ID 353

TRAFFIC DATA

STATE CODE 31

COLLECTION SITE

SHRP SECTION ID 4019

HIGHWAY RT. NO. IH - 129 EB

MILEPOST NO. 2.19

LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.

FILENAME: C314019.G17

DISK/TAPE ID 0697

BEGIN'G DATE 05/01/97

TIME 00:00:00

ENDING DATE 05/31/97

TIME 23:59:59

COUNT DURATION 00

[] HOURS

[X] DAYS

[] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA

X

OTHER

#BINS

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE

PERMANENT X

AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001

SENSOR TYPE: Piezo Cable.

WEIGHT SCALE TYPE: PORT. WIM

X

PERM. WIM

OTHER

EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN

SENSOR TYPE: CAP MAT

METHOD OF CALIBRATION: STATIC SCALE

FREQUENCY OF CALIBRATION: ANNUAL

COMMENTS: Hard drive crash caused loss of all data for entire month.

NAME OF PREPARER:

Roger Thomas

PHONE NO. (402) 479-4364

DATE PREPARED: 03/18/98

SHEET 12

STATE ASSIGNED ID 353

TRAFFIC DATA

STATE CODE 31

COLLECTION SITE

SHRP SECTION ID 4019

HIGHWAY RT. NO. IH - 129 EB MILEPOST NO. 2.19

LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.

FILENAME: C314019.H17 DISK/TAPE ID: 0797

BEGIN'G DATE 06/01/97 TIME 00:00:00 ENDING DATE 06/30/97 TIME 23:59:59

COUNT DURATION 00 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE PERMANENT X

AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001

SENSOR TYPE: Piezo Cable.

WEIGHT SCALE TYPE: PORT. WIM X PERM. WIM OTHER

EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN

SENSOR TYPE: CAP MAT

METHOD OF CALIBRATION: STATIC SCALE

FREQUENCY OF CALIBRATION: ANNUAL

COMMENTS: Station is closed for entire month because of need for new piezo loops.

NAME OF PREPARER: *Roger Norrish* PHONE NO. (402) 479-4364

DATE PREPARED: 04/15/97

SHEET 12

STATE ASSIGNED ID 353

TRAFFIC DATA

STATE CODE 31

COLLECTION SITE

SHRP SECTION ID 4019

HIGHWAY RT. NO. IH - 129 EB MILEPOST NO. 2.19

LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.

FILENAME: C314019.I17 DISK/TAPE ID: 0897

BEGIN'G DATE 07/01/97 TIME 00:00:00 ENDING DATE 07/31/97 TIME 23:59:59

COUNT DURATION 00 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE PERMANENT X

AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001

SENSOR TYPE: Piezo Cable.

WEIGHT SCALE TYPE: PORT. WIM X PERM. WIM OTHER

EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN

SENSOR TYPE: CAP MAT

METHOD OF CALIBRATION: STATIC SCALE

FREQUENCY OF CALIBRATION: ANNUAL

COMMENTS: This station was down for the entire month of July because of roadway reconstruction.

The piezo loops were replaced on 7/10/97. The station remained shut down for testing thru the end of the month.

NAME OF PREPARER: *Roger Pommard* PHONE NO. (402) 479-4364

DATE PREPARED: 04/07/98

SHEET 12

STATE ASSIGNED ID 353

TRAFFIC DATA

STATE CODE 31

COLLECTION SITE

SHRP SECTION ID 4019

HIGHWAY RT. NO. IH - 129 EB MILEPOST NO. 2.19

LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.

FILENAME: C314019.K17 DISK/TAPE ID: 1097

BEGIN'G DATE 09/01/97 TIME 00:00:00 ENDING DATE 09/30/97 TIME 23:59:59

COUNT DURATION 00 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE PERMANENT X

AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001

SENSOR TYPE: Piezo Cable.

WEIGHT SCALE TYPE: PORT. WIM X PERM. WIM OTHER

EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN

SENSOR TYPE: CAP MAT

METHOD OF CALIBRATION: STATIC SCALE

FREQUENCY OF CALIBRATION: ANNUAL

COMMENTS: Data lost because of power failures following a blizzard on October 25, 1997.

NAME OF PREPARER: *Rodger Pomarck* PHONE NO. (402) 479-4364

DATE PREPARED: 04/27/98

SHEET 12

STATE ASSIGNED ID 353

TRAFFIC DATA

STATE CODE 31

COLLECTION SITE

SHRP SECTION ID 4019

HIGHWAY RT. NO. IH - 129 EB

MILEPOST NO. 2.19

LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.

FILENAME: C314019.L17

DISK/TAPE ID: 1197

BEGIN'G DATE 10/01/97

TIME 00:00:00

ENDING DATE 10/31/97

TIME 23:59:59

COUNT DURATION 00

[] HOURS

[X] DAYS

[] MONTHS

VEHICLE CLASSIFICATION METHOD:

FHWA

X

OTHER

#BINS

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE

PERMANENT X

AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001

SENSOR TYPE: Piezo Cable.

WEIGHT SCALE TYPE: PORT. WIM

X

PERM. WIM

OTHER

EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN

SENSOR TYPE: CAP MAT

METHOD OF CALIBRATION: STATIC SCALE

FREQUENCY OF CALIBRATION: ANNUAL

COMMENTS: Data missing because of blizzard on the 25th. Power outages caused data to be corrupt.

NAME OF PREPARER:

Roger Pomarand

PHONE NO. (402) 479-4364

DATE PREPARED: 04/27/98

SHEET 12 STATE ASSIGNED ID 353
TRAFFIC DATA STATE CODE 31
COLLECTION SITE SHRP SECTION ID 4019
HIGHWAY RT. NO. IH - 129 EB MILEPOST NO. 2.19
LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.
FILENAME: C314019.M17 DISK/TAPE ID: 1297
BEGIN'G DATE 11/01/97 TIME 00:00:00 ENDING DATE 11/30/97 TIME 23:59:59
COUNT DURATION 00 [] HOURS [X] DAYS [] MONTHS
VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS
TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE PERMANENT X
AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001
SENSOR TYPE: Piezo Cable.
WEIGHT SCALE TYPE: PORT. WIM X PERM. WIM OTHER
EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN
SENSOR TYPE: CAP MAT
METHOD OF CALIBRATION: STATIC SCALE
FREQUENCY OF CALIBRATION: ANNUAL
COMMENTS: The data was not collected for the entire month. Road surface was in the process of
being resurfaced. It was waiting for the roadway to be hard surfaced before reinstalling the piezo
loops.

NAME OF PREPARER: *Roger Pomared* PHONE NO. (402) 479-4364
DATE PREPARED: 04/28/98

SHEET	12	STATE ASSIGNED ID	353
TRAFFIC DATA		STATE CODE	31
COLLECTION SITE		SHRP SECTION ID	4019

HIGHWAY RT. NO. IH - 129 EB MILEPOST NO. 2.19

LOCATION: 1 MILE WEST OF MISSOURI RIVER IN SOUTH SIOUX CITY.

FILENAME: C314019.N17 DISK/TAPE ID: 0198

BEGIN'G DATE 12/01/97 TIME 00:00:00 ENDING DATE 12/31/97 TIME 23:59:59

COUNT DURATION 00 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE PERMANENT X

AVC EQUIPMENT MAKE / MODEL NO.: Diamond Traffic Product/Traffic Tally 2001

SENSOR TYPE: Piezo Cable.

WEIGHT SCALE TYPE: PORT. WIM X PERM. WIM OTHER

EQUIPMENT MAKE / MODEL NO. GOLDEN RIVER, WEIGHMAN

SENSOR TYPE: CAP MAT

METHOD OF CALIBRATION: STATIC SCALE

FREQUENCY OF CALIBRATION: ANNUAL

COMMENTS: Data not collected for entire month. Waiting on replacement equipment.

NAME OF PREPARER: *Rodger Tomaset* PHONE NO. (402) 479-4364

DATE PREPARED: 04/29/98