

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE-NO SITE COUNT	*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [<u>27</u>] *SHRP SECTION ID [<u>1087</u>]
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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>1995</u>	<u>20034</u>	<u>732</u>	<u>6247</u>	<u>281</u>	<u>86</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) Growth Factor _____

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

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

***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) _____

NAME OF PREPARER <u>Nancy Whiteford</u>	PHONE# _____	
DATE PREPARED <u>June 2009</u>		rev. March 12, 2001

**SHEET 10
LTPP TRAFFIC DATA**

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

*STATE ASSIGNED ID [_ _ _ _]
 *STATE CODE [27]
 *SHRP SECTION ID [1087]

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)
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See Attached Table

**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 JUL 16 2009

NAME OF PREPARER N. Whiteford PHONE# _____
 DATE PREPARED 7/16/09

rev. March 12, 2001

SHEET 10
LTPP TRAFFIC DATA

State Code	SHRP ID	Year	Estimated Total Vehicles AADT (two-way)	Estimated Total TRUCK AADT (two-way)	Estimated Total Vehicles AADT LTPP LANE	Estimated Total TRUCK AADT LTPP LANE	Estimated ESAL's/YR LTPP LANE (X's 1000)
27	1087	1995	20034	732	6247	281	86
27	1087	2001	23690	876	8343	309	67
27	1087	2002	24401	902	8593	318	69
27	1087	2003	25133	929	8851	328	71
27	1087	2004	25887	957	9117	338	73
27	1087	2005	26663	985	9390	348	75
27	1087	2006	27463	1015	9672	358	78
27	1087	2007	28287	1045	9962	369	80
27	1087	2008	29136	1077	10261	380	82

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 1022
State Code: 27
SHRP Section ID: 1087
Effective Date: 10/92

Highway Rt No: State Hwy 13 **Milepost No:** 101.33

Location: Eagan, Minnesota 0.7 mi S of ST 77 in Eagan

Vehicle Classification Method: FHWA

Type of Classification Equipment: NA

AVC Equipment Make/Model No.: NA

Sensor Type: NA

Weight Scale Type: Permanent WIM

Equipment Make/Model No.: IRD 1060

Sensor Type: Bending Plate

Method of Calibration: Initial calibration with a loaded 5 axle semi & subsequent calibration done automatically.

Frequency of Calibration: Dependent on need. Can be as often as every week.

Comments: Time period covered 5/1/95 - 8/31/95. No W271087.G15 data. Scales were down.

NAME OF PREPARER: Jim Muske PHONE NO.: 612-296-1665
DATE PREPARED: July, 15, 1996

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 1022
State Code: 27
SHRP Section ID: 1087
Effective Date: 10/92

Highway Rt No: State Hwy 13 **Milepost No:** 101.33

Location: Eagan, Minnesota 0.7 mi S of ST 77 in Eagan

Vehicle Classification Method: FHWA

Type of Classification Equipment: NA

AVC Equipment Make/Model No.: NA

Sensor Type: NA

Weight Scale Type: Permanent WIM

Equipment Make/Model No.: IRD 1060

Sensor Type: Bending Plate

Method of Calibration: Initial calibration with a loaded 5 axle semi & subsequent calibration done automatically.

Frequency of Calibration: Dependent on need. Can be as often as every week.

Comments: Time period covered 9/2/95 - 12/31/95. Missing data from 9/1, 10/26 & 11/1.

NAME OF PREPARER: Jim Muske **PHONE NO.:** 612-296-1665
DATE PREPARED: September 17, 1996

Sheet 13
Traffic Data Files
Transmittal Form

State: Minnesota
State Code: 27

FILE NAME	START DATE	START TIME	END DATE	END TIME	CLASS SCHEME
C271029.C15	1/1/95	00:00	4/30/95	24:00	Minn2
W271029.C15	1/1/95	00:00	4/30/95	24:00	Minn2
C279075.C15	1/1/95	00:00	4/30/95	24:00	Minn2
W279075.C15	1/1/95	00:00	4/30/95	24:00	Minn2
C271019.C15	1/1/95	00:00	4/30/95	24:00	Minn2
W271019.C15	1/1/95	00:00	4/30/95	24:00	Minn2
C273003.C15	1/1/95	00:00	4/30/95	24:00	Minn2
W273003.C15	1/1/95	00:00	4/30/95	24:00	Minn2
C271085.C15	1/1/95	00:00	4/30/95	24:00	Minn2
W271085.C15	1/1/95	00:00	4/30/95	24:00	Minn2
C273013.C15	1/1/95	00:00	4/30/95	24:00	Minn2
W273013.C15	1/1/95	00:00	4/30/95	24:00	Minn2
C274033.C15	1/1/95	00:00	4/30/95	24:00	Minn2
W274033.C15	1/1/95	00:00	4/30/95	24:00	Minn2
C274037.C15	1/1/95	00:00	4/30/95	24:00	Minn2
W274037.C15	1/1/95	00:00	4/30/95	24:00	Minn2
C274050.C15	1/1/95	00:00	4/30/95	24:00	Minn2
W274050.C15	1/1/95	00:00	4/30/95	24:00	Minn2
C271087.C15	1/1/95	00:00	4/30/95	24:00	Minn2
W271087.C15	No card 7 format - scales are out				Minn2
C271016.C15	1/1/95	00:00	4/30/95	24:00	Minn2
W271016.C15	1/1/95	00:00	4/30/95	24:00	Minn2
C274054.C25	1/2/95	00:00	4/30/95	24:00	Minn2
W274054.C25	1/2/95	00:00	4/30/95	24:00	Minn2
C271028.C15	1/1/95	00:00	4/30/95	24:00	Minn2
W271028.C15	1/1/95	00:00	4/30/95	24:00	Minn2

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Traffic Data Files
Transmittal Form

State: Minnesota
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FILE NAME	START DATE	START TIME	END DATE	END TIME	CLASS SCHEME
C271029.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W271029.G15	5/1/95	00:00	8/31/95	24:00	Minn2
C279075.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W279075.G15	5/1/95	00:00	8/31/95	24:00	Minn2
C271019.G15	5/1/95	00:00	8/16/95	24:00	Minn2
W271019.G15	5/1/95	00:00	8/16/95	24:00	Minn2
C273033.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W273033.G15	5/1/95	00:00	8/31/95	24:00	Minn2
C271085.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W271085.G15	5/1/95	00:00	8/31/95	24:00	Minn2
C273013.G15	No Data	00:00	No Data	24:00	Minn2
W273013.G15	No Data	00:00	No Data	24:00	Minn2
C274033.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W274033.G15	5/1/95	00:00	8/31/95	24:00	Minn2
C274037.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W274037.G15	5/1/95	00:00	8/31/95	24:00	Minn2
C274050.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W274050.G15	5/1/95	00:00	8/31/95	24:00	Minn2
C271087.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W271087.G15	5/1/95	00:00	8/31/95	24:00	Minn2
C271016.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W271016.G15	5/1/95	00:00	8/31/95	24:00	Minn2
C274054.G25	5/1/95	00:00	8/31/95	24:00	Minn2
W274054.G25	5/1/95	00:00	8/31/95	24:00	Minn2
C271028.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W271028.G15	5/1/95	00:00	8/31/95	24:00	Minn2

Sheet 13
Traffic Data Files
Transmittal Form

State: Minnesota
State Code: 27

FILE NAME	START DATE	START TIME	END DATE	END TIME	CLASS SCHEME
C271029.K15 ✓	9/1/95	00:00	12/31/95	24:00	Minn2
W271029.K15	9/1/95	00:00	12/31/95	24:00	Minn2
C279075.K15 ✓	9/1/95	00:00	12/31/95	24:00	Minn2
W279075.K15	9/1/95	00:00	12/31/95	24:00	Minn2
C271019.K15 ✓	9/1/95	00:00	12/31/95	24:00	Minn2
W271019.K15	9/1/95	00:00	12/31/95	24:00	Minn2
C273003.K15 ✓	9/5/95	00:00	12/6/95	24:00	Minn2
W273003.K15	9/5/95	00:00	12/6/95	24:00	Minn2
C271085.K15 ✓	9/1/95	00:00	12/31/95	24:00	Minn2
W271085.K15	9/1/95	00:00	12/31/95	24:00	Minn2
C273013.K15 ✓	9/1/95	00:00	12/31/95	24:00	Minn2
W273013.K15	9/1/95	00:00	12/31/95	24:00	Minn2
C274033.K15 ✓	9/1/95	00:00	12/31/95	24:00	Minn2
W274033.K15	9/1/95	00:00	12/31/95	24:00	Minn2
C274037.K15 ✓	9/1/95	00:00	12/31/95	24:00	Minn2
W274037.K15	9/1/95	00:00	12/31/95	24:00	Minn2
C274050.K15 ✓	9/1/95	00:00	12/31/95	24:00	Minn2
W274050.K15	9/1/95	00:00	12/31/95	24:00	Minn2
C271087.K15 ✓	9/2/95	00:00	12/31/95	24:00	Minn2
W271087.K15 ✓	9/2/95	00:00	12/31/95	24:00	Minn2
C271016.K15 ✓	9/1/95	00:00	12/31/95	24:00	Minn2
W271016.K15	9/1/95	00:00	12/31/95	24:00	Minn2
C274054.K15 ✓	9/1/95	00:00	12/31/95	24:00	Minn2
W274054.K15	9/1/95	00:00	12/31/95	24:00	Minn2
C271028.K15 ✓	9/1/95	00:00	12/31/95	24:00	Minn2
W271028.K15	9/1/95	00:00	12/31/95	24:00	Minn2

SHEET 14

*STATE ASSIGNED ID [1022]

*STATE CODE [27]

*SHRP SECTION ID [1087]

LOCATION TH 13 Eagan, MN TYPE EQUIP. Bending Plate

MP # 101.33 MODEL # IRD

[illegible]

SHEET 14

*STATE ASSIGNED ID [1022]

*STATE CODE [27]

SHRP SECTION ID [1087]

MP # 101.33 MODEL # 1.2 RD

[illegible]