

ENTERED SEP 18 2008

<p align="center"><b>SHEET 10</b> <b>LTPP TRAFFIC DATA</b></p> <p align="center"><b>TRAFFIC VOLUME AND LOAD</b> <b>ESTIMATE UPDATE-NO SITE COUNT</b></p>	*STATE ASSIGNED ID	[ ] [ ] [ ] [ ]
	*STATE CODE	[27]
	*SHRP SECTION ID	[9075]

**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)
1996	2350	240	1175	120	54

**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)

NAME OF PREPARER ABID IKRAM  
DATE PREPARED SEP 18/2008

PHONE#

rev. March 12, 2001

Sheet 12  
Traffic Data  
Collection Site

State Assigned ID: 9003  
State Code: 27  
SHRP Section ID: 9075

Highway Rt No: US 71

Milepost No: 103.45

Location: Olivia, Minnesota .4 mi N of CSAH 11 N of Olivia

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: Piezo

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

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

Comments: Time period covered 1/1/96 - 4/30/96. Missing 4/7/96.

NAME OF PREPARER: Jim Muske  
DATE PREPARED: May 7, 1997

PHONE NO.: 612-296-1665

Sheet 12  
Traffic Data  
Collection Site

State Assigned ID: 9003  
State Code: 27  
SHRP Section ID: 9075

**Highway Rt No:**US 71

**Milepost No:** 103.45

**Location:** Olivia, Minnesota .4 mi N of CSAH 11 N of Olivia

**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:** Piezo

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

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

**Comments:** Time period covered 5/1/96 - 6/6/96. Site not operating after 6/6/96. Shut down permanently.

**NAME OF PREPARER:** Jim Muske    **PHONE NO.:** 612-296-1665  
**DATE PREPARED:** November 26, 1997

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Sheet 13  
Traffic Data Files  
Transmittal Form

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State: Minnesota  
State Code: 27

FILE NAME	START DATE	START TIME	END DATE	END TIME	CLASS SCHEME
C271029.C16	1/1/95	00:00	2/25/96	24:00	Minn2
W271029.C16	1/1/96	00:00	2/25/96	24:00	Minn2
C279075.C16	1/1/96	00:00	4/30/96	24:00	Minn2
W279075.C16	1/1/96	00:00	4/30/96	24:00	Minn2
C271019.C16	1/1/96	00:00	4/30/96	24:00	Minn2
W271019.C16	1/1/96	00:00	4/30/96	24:00	Minn2
C273003.C16	1/1/96 - 4/30/96: Problems with the controller				
W273003.C16	and Dynax Sensor during this period. Data missing.				
C271085.C16	1/1/96	00:00	4/30/96	24:00	Minn2
W271085.C16	1/1/96	00:00	4/30/96	24:00	Minn2
C274050.C16	1/1/96	00:00	4/30/96	24:00	Minn2
		No weight data: 1/1 - 4/30/96			
C271087.C16	1/1/96	00:00	4/30/96	24:00	Minn2
		No weight data: 1/1 - 4/30/96			Minn2
C271016.C16	1/1/96	00:00	4/30/96	24:00	Minn2
W271016.C16	1/1/96	00:00	4/30/96	24:00	Minn2
C274054.C16	1/1/96	00:00	4/30/96	24:00	Minn2
W274054.C16	1/1/96	00:00	4/30/96	24:00	Minn2
C271028.C16	1/1/96	00:00	4/30/96	24:00	Minn2
W271028.C16	1/1/96	00:00	4/30/96	24:00	Minn2
C274040.C16	1/1/96	00:00	4/30/96	24:00	Minn2
		No weight data: 1/1 - 4/30/96			Minn2
C274055.C16	1/1/96	00:00	4/30/96	24:00	Minn2
		No weight data: 1/1 - 4/30/96			
C275076.C16	1/1/96	00:00	4/30/96	24:00	Minn2
W275076.C16	1/1/96	00:00	4/30/96	24:00	Minn2

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State: Minnesota  
State Code: 27

FILE NAME	START DATE	START TIME	END DATE	END TIME	CLASS SCHEME
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C271029.C16	(Site was shut down permanently on 3/22/96).				
W271029.C16					

C279075.G16	5/1/96	00:00	6/6/96	24:00	Minn2
W279075.G16	5/1/96	00:00	6/6/96	24:00	Minn2
(Site not operating after 6/6/96. Was shut down permanently).					

C271019.G16	5/1/96	00:00	8/31/96	24:00	Minn2
W271019.G16	5/1/96	00:00	8/31/96	24:00	Minn2

C273003.G16	5/1/96 - 8/31/96: Data missing for				
W273003.G16	entire period (no controller).				

C271085.G16	5/1/96	00:00	8/31/96	24:00	Minn2
W271085.G16	5/1/96	00:00	8/31/96	24:00	Minn2

C274050.G16	5/1/96	00:00	8/31/96	24:00	Minn2
No weight data: 5/1 - 8/31/96					

C271087.G16	5/1/96	00:00	8/31/96	24:00	Minn2
No weight data: 5/1 - 8/31/96					

C271016.G16	5/1/96	00:00	8/31/96	24:00	Minn2
W271016.G16	5/1/96	00:00	8/31/96	24:00	Minn2

C274054.G16	5/1/96	00:00	8/31/96	24:00	Minn2
W274054.G16	5/1/96	00:00	8/31/96	24:00	Minn2

C271028.G16	5/1/96	00:00	8/31/96	24:00	Minn2
W271028.G16	5/1/96	00:00	8/31/96	24:00	Minn2

C274040.G16	5/1/96	00:00	8/31/96	24:00	Minn2
No weight data: 5/1 - 8/31/96					

LOG OF CHANGES AT GPS TEST  
LOCATIONS WITH PERM. AVC OR WIM

\*SHRP SECTION ID [9075]

MP # 103.45 MODEL # IRD

[illegible]