

**SHEET 10  
LTPP TRAFFIC DATA**

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

\*STATE ASSIGNED ID [ ]  
\*STATE CODE 27  
\*SHRP SECTION ID 4050

**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>1996</u>	<u>2650</u>	<u>298</u>	<u>1187</u>	<u>135</u>	<u>35</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 17 2009**

NAME OF PREPARER N. Whiteford  
DATE PREPARED 4/17/09

PHONE# \_\_\_\_\_

rev. March 12, 2001

Sheet 12  
Traffic Data  
Collection Site

State Assigned ID: 4022  
State Code: 27  
SHRP Section ID: 4050

Highway Rt No: US 2      Milepost No: 45.82

Location: Marcoux, MN

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 calibrations 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.  
No weight data 1/1 - 4/30/96.

NAME OF PREPARER: Jim Muske      PHONE NO.: 612-296-1665  
DATE PREPARED: June 11, 1997

Sheet 12  
Traffic Data  
Collection Site

State Assigned ID: 4022  
State Code: 27  
SHRP Section ID: 4050

**Highway Rt No:** US 2      **Milepost No:** 45.82

**Location:** Marcoux, MN

**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 calibrations done automatically.

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

**Comments:** Time period covered 5/1/96 - 8/31/96. NOTE: No weight data for the entire period.

NAME OF PREPARER: Jim Muske      PHONE NO.: 612-296-1665  
DATE PREPARED: October 23, 1997

Sheet 12  
Traffic Data  
Collection Site

State Assigned ID: 4022  
State Code: 27  
SHRP Section ID: 4050

**Highway Rt No:** US 2      **Milepost No:** 45.82

**Location:** Marcoux, MN

**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 calibrations done automatically.

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

**Comments:** Time period covered 9/1/96 - 12/31/96.

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

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.C16 W271029.C16	(Site was shut down permanently on 3/22/96).				
C279075.G16 W279075.G16	(Site not operating after 6/6/96. Was shut down permanently.)				
C271019.K16 W271019.K16	9/1/96 9/1/96	00:00 00:00	12/31/96 12/31/96	24:00 24:00	Minn2 Minn2
	(Data missing: 10/3 and 10/12-20/96)				
C273003.K16 W273003.K16	9/1/96 9/1/96	00:00 00:00	12/31/96 12/31/96	24:00 24:00	Minn2 Minn2
	(Data missing: 9/1-3, 8-16, 22-30/96 ; 10/6-21/96; 11/1-20,22,23,25-30/96 ; 12/1,17-31/96 )				
C276901.K16 W276901.K16	9/1/96 9/1/96	00:00 00:00	12/31/96 12/31/96	24:00 24:00	Minn2 Minn2
	(Data Missing: 12/30/96).				
C271085.K16 W271085.K16	9/1/96 9/1/96	00:00 00:00	12/31/96 12/31/96	24:00 24:00	Minn2 Minn2
C274055.K16 W274055.K16	9/1/96 9/1/96	00:00 00:00	12/31/96 12/31/96	24:00 24:00	Minn2 Minn2
C273013.K16 W273013.K16	9/1/96 9/1/96	00:00 00:00	12/31/96 12/31/96	24:00 24:00	Minn2 Minn2
C274033.K16 W274033.K16	9/1/96 9/1/96	00:00 00:00	12/31/96 12/31/96	24:00 24:00	Minn2 Minn2
C274037.K16 W274037.K16	9/1/96 9/1/96	00:00 00:00	12/31/96 12/31/96	24:00 24:00	Minn2 Minn2
C274050.K16 W274050.K16	9/1/96 9/1/96	00:00 00:00	12/31/96 12/31/96	24:00 24:00	Minn2 Minn2
C271016.K16 W271016.K16	9/1/96 9/1/96	00:00 00:00	12/31/96 12/31/96	24:00 24:00	Minn2 Minn2

SHEET 14

\*STATE ASSIGNED ID [4022]

\*STATE CODE [27]

\*SHRP SECTION ID [4050]

LOCATION MARCOUX TYPE EQUIP. BP

MP # 45.82 MODEL # IRD

[illegible]



SHEET 14 LTPP TRAFFIC DATA LOG OF CHANGES AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[ 4022 ]
	*STATE CODE	[ 27 ]
	*SHRP SECTION ID	[ 4050 ]

LOCATION Marcoux, Mn TYPE EQUIP. BP  
MP # 45.82 MODEL # IRD

[illegible]

