

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>3013</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>35041</u>	<u>1480</u>	<u>14016</u>	<u>592</u>	<u>175</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# <u> </u>	
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 [3013]

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	3013	1995	35041	1480	14016	592	175
27	3013	1999	45000	1940	18000	775	231
27	3013	2001	45450	2000	18180	798	237
27	3013	2002	45905	2020	18362	806	240
27	3013	2003	46364	2040	18545	814	242
27	3013	2004	46827	2060	18731	822	245
27	3013	2005	47295	2081	18918	830	247
27	3013	2006	47768	2102	19107	839	249
27	3013	2007	48246	2123	19298	847	252
27	3013	2008	48729	2144	19491	855	254

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 3015
State Code: 27
SHRP Section ID: 3013

Highway Rt No: US 169

Milepost No: 140.4

Location: Brooklyn Park, Minnesota .5 mi S of CSAH 30

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 5/1/95 - 8/31/95. (No data available for the entire period)

NAME OF PREPARER: Jim Muske **PHONE NO.:** 612-296-1665
DATE PREPARED: January 2, 1998

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 3015
State Code: 27
SHRP Section ID: 3013

Highway Rt No: US 169

Milepost No: 140.4

Location: Brooklyn Park, Minnesota .5 mi S of CSAH 30

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 9/1/95 - 12/31/95.
(No data present for the entire period)

NAME OF PREPARER: Jim Muske **PHONE NO.:** 612-296-1665
DATE PREPARED: January 7, 1998

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

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.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
C273013.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W273013.G15	5/1/95	00:00	8/31/95	24:00	Minn2
	(Data missing for the entire period)				
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
C276250.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W276250.G15	5/1/95	00:00	8/31/95	24:00	Minn2
C270701.G15	5/1/95	00:00	8/31/95	24:00	Minn2
W270701.G15	5/1/95	00:00	8/31/95	24:00	Minn2

NAME OF PREPARER: Jim Muske PHONE NO.: 612-296-1665
DATE PREPARED: January 6, 1998

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 LTPP TRAFFIC DATA LOG OF CHANGES AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID [3015]
	*STATE CODE [27]
	*SHRP SECTION ID [3013]

LOCATION Brocklyn Park, Mn TYPE EQUIP. BP
MP # 140.4 MODEL # IRD

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
5/4/95		169B Lane #2 - off scale detector stuck on Turned off (off scale)	Mark Novak	612/ 296-2607	
5/95		Spring maint.			
7/5/95		Field checked scales Scales O.K.			

