

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE - NO SITE COUNT	*STATE ASSIGNED ID [<u>3015</u>] *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 GPS LANE	ESTIMATED TOTAL TRUCKS AADT GPS LANE	ESTIMATED ESAL'S / YR GPS LANE (1000's)
<u>1991</u>	<u>31,000</u>	<u>380</u>	<u>7500</u>	<u>150</u>	<u>73</u>

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

- ☐ Growth factored last year's estimate.
☐ Estimated based on volume counts at nearby locations.
☐ Used computerized network analysis.
☒ Other Counts at The site

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

- ☐ Used system average from counts taken this year.
☐ Used count data from nearby sites.
☐ Used count data from previous years at GPS site.
☐ Used system averages from previous year counts.
☐ Used computerized network analysis.
☒ Other Counts at The site

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

- ☐ System distribution factors.
☒ Other Counts at The site

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

- ☐ System distribution factors.
☒ Other Counts at The site

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

- ☒ ESAL/Truck factor.
☐ ESAL/vehicle class factors -
 Number of classes
☐ Other _____

7. ESAL ESTIMATES - SOURCE OF DATA

- ☐ Prior years data collected at GPS site.
☐ Current year system average.
☒ Prior year system average.
☐ Historical W-4 tables.
☐ Other _____

8. WEIGHT SCALE TYPE

- ☒ WIM Scale.
☐ Static scale used for enforcement.
☐ Static scale not used for enforcement.
☐ Other _____

NAME OF PREPARER <u>Curtis Dahlin</u>	PHONE # <u>(612) 296-6846</u>
DATE PREPARED <u>7-8-92</u>	

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 3015
State Code: 27
SHRP Section ID: 3013
Effective Date: 11/91

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:

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: June 14,1993

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 3015
State Code: 27
SHRP Section ID: 3013
Effective Date: 11/91

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:

No missing data.

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: June 14, 1993

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 3015
State Code: 27
SHRP Section ID: 3013
Effective Date: 11/91

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: Data is missing from the following time period:
4/3/94

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: June 3, 1994

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 3015
State Code: 27
SHRP Section ID: 3013
Effective Date: 11/91

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:

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: June 14, 1993

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 3015
State Code: 27
SHRP Section ID: 3013
Effective Date: 11/91

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 1/1/95 - 4/30/95. Missing 4/2/95.
4/10/- 4/30/95.

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: May 18, 1995

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 3015
State Code: 27
SHRP Section ID: 3013
Effective Date: 11/91

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: Data is missing from the following time period:
11/8/94 - 11/9/94

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: January 24, 1995

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 3015
State Code: 27
SHRP Section ID: 3013
Effective Date: 11/91

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: Data is missing from the following time period:
8/30/93 thru 10/1/93
11/1/93 thru 12/1/93

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: June 14, 1993

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 3015
State Code: 27
SHRP Section ID: 3013
Effective Date: 11/91

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:

No missing data.

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: June 14, 1993

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 3015
State Code: 27
SHRP Section ID: 3013
Effective Date: 11/91

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: Data is missing from the following time period:

5/11/94
7/8/94 - 7/9/94
7/14/94 - 7/21/94
7/26/94

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: October 14, 1994

PHONE NO.: 612-296-8526

**SHEET 15
LTPP TRAFFIC DATA**

EQUIPMENT INSTALLATION LOG

STATE ASSIGNED ID [3015]

STATE CODE [27]

SHRP SECTION ID [3013]

LOCATION TH 169 Brooklyn Park, MN

DATE OF INSTALLATION November 1991

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	De11 386	IRD	9107-1308
Interface		IRD	
Modem	V32 9600 bps	Multitech	2062332
Loop Amplifiers		Microsense	
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	Bending Plate	IRD	
Sensor Next Adjacent Lane (1)	Bending Plate	IRD	
Sensor Next Adjacent Lane (2)	Bending Plate	IRD	
Sensor Next Adjacent Lane (3)	Bending Plate	IRD	
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package	7.2.2	IRD	
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane 1			
Downstream - Lane 1			
Upstream - Other Lanes			
Downstream - Other Lanes			

**SHEET 15
LTPP TRAFFIC DATA**

EQUIPMENT INSTALLATION LOG

STATE ASSIGNED ID [3015]

STATE CODE [27]

SHRP SECTION ID [3013]

LOCATION TH 169 Brooklyn Park, MN

DATE OF INSTALLATION November 1991

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	De11 386	IRD	9107-1308
Interface		IRD	
Modem	V32 9600 bps	Multitech	2062332
Loop Amplifiers		Microsense	
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	Bending Plate	IRD	
Sensor Next Adjacent Lane (1)	Bending Plate	IRD	
Sensor Next Adjacent Lane (2)	Bending Plate	IRD	
Sensor Next Adjacent Lane (3)	Bending Plate	IRD	
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package	7.3.3	IRD	
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane 1			
Downstream - Lane 1			
Upstream - Other Lanes			
Downstream - Other Lanes			

**SHEET 15
LTPP TRAFFIC DATA**

EQUIPMENT INSTALLATION LOG

STATE ASSIGNED ID [3015]

STATE CODE [27]

SHRP SECTION ID [3013]

LOCATION Brooklyn Park, Mn TH 169 DATE OF INSTALLATION November 1991

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	<u>Dill 386</u>	<u>IRD</u>	<u>9107-1308</u>
Interface		<u>IRD</u>	
Modem	<u>V32, 14.4 kbps</u>	<u>Mulh-Tech</u>	<u>425-4782</u>
Loop Amplifiers		<u>Microsense</u>	
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	<u>Bending Plate</u>	<u>IRD</u>	
Sensor Next Adjacent Lane (1)	↓	↓	
Sensor Next Adjacent Lane (2)			
Sensor Next Adjacent Lane (3)			
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package	<u>7.3.3</u>	<u>IRD</u>	
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane 1			
Downstream - Lane 1			
Upstream - Other Lanes			
Downstream - Other Lanes			

**SHEET 15
LTPP TRAFFIC DATA**

EQUIPMENT INSTALLATION LOG

STATE ASSIGNED ID [3015]

STATE CODE [27]

SHRP SECTION ID [3013]

LOCATION TH 169 Brooklyn Park, MN DATE OF INSTALLATION November 1991

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	Dell 386	IRD	9107-1308
Interface		IRD	
Modem	V32 9600 bps	Multitech	2062332
Loop Amplifiers		Microsense	
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	Bending Plate	IRD	
Sensor Next Adjacent Lane (1)	Bending Plate	IRD	
Sensor Next Adjacent Lane (2)	Bending Plate	IRD	
Sensor Next Adjacent Lane (3)	Bending Plate	IRD	
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package	7.2.2	IRD	
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane 1			
Downstream - Lane 1			
Upstream - Other Lanes			
Downstream - Other Lanes			

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LTPP TRAFFIC DATA**

EQUIPMENT INSTALLATION LOG

STATE ASSIGNED ID [3015]

STATE CODE [27]

SHRP SECTION ID [3013]

LOCATION TH 169 Brooklyn Park, MN

DATE OF INSTALLATION November 1991

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	Dell 386	IRD	9107-1308
Interface		IRD	
Modem	V32 9600 bps	Multitech	2062332
Loop Amplifiers		Microsense	
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	Bending Plate	IRD	
Sensor Next Adjacent Lane (1)	Bending Plate	IRD	
Sensor Next Adjacent Lane (2)	Bending Plate	IRD	
Sensor Next Adjacent Lane (3)	Bending Plate	IRD	
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package	7.3.5	IRD	
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane 1			
Downstream - Lane 1			
Upstream - Other Lanes			
Downstream - Other Lanes			

**SHEET 15
LTPP TRAFFIC DATA**

EQUIPMENT INSTALLATION LOG

STATE ASSIGNED ID [3015]

STATE CODE [27]

SHRP SECTION ID [3013]

LOCATION TH 169 Brooklyn Park, MN

DATE OF INSTALLATION November 1991

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	De11 386	IRD	9107-1308
Interface		IRD	
Modem	V32 9600 bps	Multitech	2062332
Loop Amplifiers		Microsense	
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	Bending Plate	IRD	
Sensor Next Adjacent Lane (1)	Bending Plate	IRD	
Sensor Next Adjacent Lane (2)	Bending Plate	IRD	
Sensor Next Adjacent Lane (3)	Bending Plate	IRD	
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package	7.2.2	IRD	
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane 1			
Downstream - Lane 1			
Upstream - Other Lanes			
Downstream - Other Lanes			