

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE - NO SITE COUNT	*STATE ASSIGNED ID [<u>4001</u>] *STATE CODE [<u>27</u>] *SHRP SECTION ID [<u>4033</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>39,200</u>	<u>1360</u>	<u>14,300</u>	<u>540</u>	<u>230</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 _____

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

- ☒ System distribution factors.
☐ Other _____

**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 _____

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

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

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

- ☒ System distribution factors.
☐ 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>7-9-92</u>	

SHEET 12
LTPP TRAFFIC DATA
CLASSIFICATION DATA

STATE CODE [27]
SHRP SECTION ID [4033]

HIGHWAY RT NO: I-35E

MILEPOST NO: 91.82

LOCATION: N OF CR11 S OF TH77 BURNSVILLE/SHRP

FILENAME: C274033.HH1

DISK ID: 1

BEGINING DATE & TIME: 06/18/91 13:00

ENDING DATE & TIME: 06/20/91 12:00

COUNT DURATION IN HOURS: 47

EQUIPMENT: PORTABLE CLASSIFIER

VEHICLE CLASSIFICATION METHOD: FHWA

MAKER: STREETER AMET, TRAFICOMP III

SENSOR TYPE: TUBES

COMMENT:

NAME AND PHONE # OF PREPARER: ROBERTA K. CASEY, 612-296-1631
DATE PREPARED: 12/11/91

SHEET 12
LTPP TRAFFIC DATA
CLASSIFICATION DATA

STATE CODE [27]
SHRP SECTION ID [4033]

HIGHWAY RT NO: I-35E

MILEPOST NO: 90.13

LOCATION: .6 MI S OF CSAH11 IN BURNSVILLE/WIM

FILENAME: C274033.HH1

DISK ID: MN1

BEGINING DATE & TIME: 06/18/91 13:00

ENDING DATE & TIME: 06/20/91 12:00

COUNT DURATION IN HOURS: 47

EQUIPMENT: PORTABLE CLASSIFIER

VEHICLE CLASSIFICATION METHOD: FHWA

MAKER: STREETER AMET, TRAFICOMP III

SENSOR TYPE: TUBES

COMMENT:

NAME AND PHONE # OF PREPARER: ROBERTA K. CASEY, 612-296-1631
DATE PREPARED: 12/11/91

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 4001
State Code: 27
SHRP Section ID: 4033
Effective Date: 11/91

Highway Rt No: I 35E

Milepost No: 89.76

Location: Burnsville, Minnesota
(2 North Bound lanes)

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 known missing data.

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: August 26, 1993

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 4005
State Code: 27
SHRP Section ID: 4033
Effective Date: 11/91

Highway Rt No: I 35E

Milepost No: 89.76

Location: Burnsville, MN
(2 North Bound Lanes)

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:

Missing 2/18/94 - 3/9/94
Missing 4/3/94 - 4/4/94

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

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 4001
State Code: 27
SHRP Section ID: 4033
Effective Date: 11/91

Highway Rt No: I 35E

Milepost No: 89.76

Location: Burnsville, MN
(2 North Bound Lanes)

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

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: May 19, 1995

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 4001
State Code: 27
SHRP Section ID: 4033
Effective Date: 11/91

Highway Rt No: I 35E

Milepost No: 89.76

Location: Burnsville, MN
(2 South Bound Lanes)

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: Missing data from 10/11/94.

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

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 4001
State Code: 27
SHRP Section ID: 4033
Effective Date: 11/91

Highway Rt No: I 35E

Milepost No: 89.76

Location: Burnsville, MN
(2 North Bound Lanes)

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: Missing data from 10/11/94.

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

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 4001
State Code: 27
SHRP Section ID: 4033
Effective Date: 11/91

Highway Rt No: I 35E

Milepost No: 89.76

Location: Burnsville, Minnesota
(2 North Bound lanes)

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 known missing data.

NAME OF PREPARER: Vicky Sarnier
DATE PREPARED: August 26, 1993

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 4005
State Code: 27
SHRP Section ID: 4033
Effective Date: 11/91

Highway Rt No: I 35E

Milepost No: 89.76

Location: Burnsville, MN
(2 North Bound Lanes)

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:

Missing 8/31/93 - 9/1/93

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: March 28, 1994

PHONE NO.: 612-296-8526

Sheet 12
Traffic Data
Collection Site

State Assigned ID: 4001
State Code: 27
SHRP Section ID: 4033
Effective Date: 11/91

Highway Rt No: I 35E

Milepost No: 89.76

Location: Burnsville, MN
(2 North Bound Lanes)

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 for this time period.

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: October 24, 1994

PHONE NO.: 612-296-8526

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.IR1	07/28/91	00:00	12/31/91	24:00	Minn2
W271029.IR1	07/28/91	00:00	12/31/91	24:00	Minn2
C279075.J11	8/1/91	00:00	12/31/91	24:00	Minn2
W279075.J11	8/1/91	00:00	12/31/91	24:00	Minn2
C271085.MB1	11/12/91	00:00	12/31/91	24:00	Minn2
W271085.MB1	11/12/91	00:00	12/31/91	24:00	Minn2
C274033.M71	11/7/91	00:00	12/31/91	24:00	Minn2
W274033.M71	11/7/91	00:00	12/31/91	24:00	Minn2
C274037.M71	11/7/91	00:00	12/31/91	24:00	Minn2
W274037.M71	11/7/91	00:00	12/31/91	24:00	Minn2
4050 C271050.LJ1	11/1/91	00:00	12/31/91	24:00	Minn2
W271050.LJ1	11/1/91	00:00	12/31/91	24:00	Minn2
C271016.M11	11/1/91	00:00	12/31/91	24:00	Minn2
W271016.M11	11/1/91	00:00	12/31/91	24:00	Minn2
C274040.M11	11/1/91	00:00	12/31/91	24:00	Minn2
W274040.M11	11/1/91	00:00	12/31/91	24:00	Minn2
C274055.N11	12/1/91	00:00	12/31/91	24:00	Minn2
W274055.N11	12/1/91	00:00	12/31/91	24:00	Minn2

NAME OF PREPARER: Vicky Sarner
DATE PREPARED: April 28, 1994

PHONE NO.: 612-296-8526

SHEET 15
LTPP TRAFFIC DATA

EQUIPMENT INSTALLATION LOG

STATE ASSIGNED ID [4601]

STATE CODE [27]

SHRP SECTION ID [4033]

LOCATION Burnsville I-35E (2 North Bound) DATE OF INSTALLATION NOV, 1991

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	1060	IRD	9108-1317
Interface			
Modem	MT 932 9600	MULTI: Tech	3011940
Loop Amplifiers	MICROSENSE		
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	BENDING PLATE	IRD	
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	7.2	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 [4601]

STATE CODE [27]

SHRP SECTION ID [4033]

LOCATION Burnsville I-35E (2^{North}
Bound) DATE OF INSTALLATION 1/11

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	1060	IRD	9108-1317
Interface			
Modem	MT 932 9600	Mult: Tech	3011940
Loop Amplifiers	MICROSENSE		
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	BENDING PLATE	IRD	
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	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 [4601]

STATE CODE [27]

SHRP SECTION ID [4033]

LOCATION Burnsville I-35E (2 North Bound) DATE OF INSTALLATION NOV, 1991

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	1060	IRD	9108-1317
Interface			
Modem	MT 932 9600	MULTI: Tech	3011940
Loop Amplifiers	MICROSENSE		
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	BENDING PLATE	IRD	
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	7.2	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 [4601]

STATE CODE [27]

SHRP SECTION ID [4033]

LOCATION Burnsville I-35E (2 North Bound) DATE OF INSTALLATION 11/11

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	1060	IRD	9107-1309
Interface			
Modem	MT 932 9600	MULTI TECH	3011940
Loop Amplifiers	MICROSENSE		
Other			
Sensor(s) / Platform(s)			
GPS Lane Sensor	BENDING PLATE	IRD	
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	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 [4001]

STATE CODE [27]

SHRP SECTION ID [4033]

LOCATION Burnsville, Mn I-35

DATE OF INSTALLATION November 1991

(2 North)	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	1660		9107-1309
Interface			
Modem	MT 932 9600	Multi-Tech	3011940
Loop Amplifiers			
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	Bending Plate	TRD	
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	7.3.3	TRD	
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane 1			
Downstream - Lane 1			
Upstream - Other Lanes			
Downstream - Other Lanes			

SHEET 14

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

*STATE ASSIGNED ID [400]

*STATE CODE 27

*SHRP SECTION ID [4033]

LOCATION Burnsville, I-35E TYPE EQUIP. Bending Plate

MP # 89.76 (2 North Bound) MODEL # _____

[illegible]

**SHEET 15
LTPP TRAFFIC DATA**

EQUIPMENT INSTALLATION LOG

STATE ASSIGNED ID [4601]

STATE CODE [27]

SHRP SECTION ID [4033]

LOCATION Burnsville I-35E (2 North Bound) DATE OF INSTALLATION NOV, 1991

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	<u>1060</u>	<u>IRD</u>	<u>9108-1317</u>
Interface			
Modem	<u>MT 932 9600</u>	<u>MULTI: Tech</u>	<u>3011940</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>7.2</u>	<u>IRD</u>	
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane 1			
Downstream - Lane 1			
Upstream - Other Lanes			
Downstream - Other Lanes			