

6

SCANNED

JUN 17 2008

<b>SHEET 1</b> <b>LTPP TRAFFIC DATA</b> <b>SUMMARY TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [ _ _ _ _ ] *STATE CODE [ <u>26</u> ] *SHRP SECTION ID [ <u>4015</u> ]
---	---

STATE OR PROVINCE Michigan COUNTY ST. CLAIR

HIGHWAY ROUTE NO. I-69 MILEPOST# MP 183

NEAREST CITY/TOWN Emmett <sup>3 Mi. SW of</sup> NEAREST INTERSECTION M-19 <sup>2 Mi. W. of</sup>

FUNCTIONAL CLASS 01 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4

DIRECTION OF TRAVEL GPS LANE E. DATE OPENED TO TRAF. 12-14-84

FIPS COUNTY CODE 77 FHWA STATION IDENTIFICATION NO. 283

HPMS SAMPLE NO. \_\_\_\_\_ HPMS SUBDIVISION NO. \_\_\_\_\_

TYPE OF PAVEMENT: AC \_\_\_\_\_ PCC X OTHER JRCP

CONTROL OF ACCESS: YES X NO \_\_\_\_\_ MEDIAN: YES X NO \_\_\_\_\_

CURRENT SURROUNDING DEVELOPMENT:  
URBAN \_\_\_\_\_ SUBURBAN \_\_\_\_\_ RURAL X

HAS INTENSITY OF ROADSIDE DEVELOPMENT INCREASED OVER PAST 10 YEARS?  
YES \_\_\_\_\_ NO X  
IF YES, DESCRIBE CHANGES \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NOTE: ATTACH ALL RELATED FORMS AND COUNT DATA AND SUBMIT TO THE  
SHRP REGIONAL OFFICE. ATTACH MAP INDICATING THE  
EACH TRAFFIC COUNT, VEHICLE CLASSIFICATION CO  
STATION RELATIVE TO THIS GPS TEST SECTION.

EB  
Entered

NAME OF PREPARER <u>Phillip R. Lamb</u>	PHONE # <u>517-335-2903</u>
DATE PREPARED <u>2/22/91</u>	

<b>SHEET 10</b> <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME AND LOAD</b> <b>ESTIMATE UPDATE - NO SITE COUNT</b>	*STATE ASSIGNED ID [ _ _ _ _ ] *STATE CODE [ <u>26</u> ] *SHRP SECTION ID [ <u>4015</u> ]
---	---

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>1985</u>	<u>7800</u>	<u>750</u>	<u>3315</u>	<u>319</u>	<u>116</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>Phillip R. Lamb</u>	PHONE # <u>517-335-2903</u>
DATE PREPARED <u>2/22/91</u>	<u>Dave Smiley - Design</u> <u>517-335-1904</u>

## SHEET 3

# LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [26]

\*SHRP SECTION ID [4015]

1. Year Applicable 1985

## 2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☐ Averaged and factored multiple counts taken this year at the GPS site.  
☐ Growth factored last year's estimate.  
☒ Estimated based on volume counts at nearby locations.  
☐ Used flow maps.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.  
☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☐ Used system averages from counts taken this year.  
☒ Used count data from nearby sites.  
☐ Used count data taken in earlier years at the GPS site.  
☐ Used system averages taken in earlier years at the GPS site.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☒ System distribution factors.  
☐ Other: \_\_\_\_\_

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.  
☒ System distribution factors.  
☐ Other: \_\_\_\_\_

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/Truck.  
☐ ESAL/Vehicle class. (no. of classes) \_\_\_\_\_  
☐ Other: \_\_\_\_\_

## 7. ESAL ESTIMATES

## (A) Source of Data

- ☐ Weight data collected at GPS site this year.  
☐ Weight data collected at GPS site prior years.  
☐ Weight data from system averages this year.  
☐ Weight data from system averages prior years.  
☒ Weight data from historic W-4 Tables used.  
☐ Other: \_\_\_\_\_

## (B) Weight Scale Type

- ☐ WIM scale.  
☐ Static scale used for enforcement.  
☐ Static scale not used for enforcement.  
☐ Other: \_\_\_\_\_

NAME OF PREPARER Phillip R. Lamb PHONE # 517-335-2903DATE PREPARED 2/22/91 Dave Smiley-Design517-335-1904

## SHEET 3

# LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [ 26 ]

\*SHRP SECTION ID [ 4015 ]

1. Year Applicable 1986

## 2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☐ Averaged and factored multiple counts taken this year at the GPS site.  
☐ Growth factored last year's estimate.  
☒ Estimated based on volume counts at nearby locations.  
☐ Used flow maps.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.  
☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☐ Used system averages from counts taken this year.  
☒ Used count data from nearby sites.  
☐ Used count data taken in earlier years at the GPS site.  
☐ Used system averages taken in earlier years at the GPS site.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☒ System distribution factors.  
☐ Other: \_\_\_\_\_

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.  
☒ System distribution factors.  
☐ Other: \_\_\_\_\_

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/Truck.  
☐ ESAL/Vehicle class. (no. of classes) \_\_\_\_\_  
☐ Other: \_\_\_\_\_

## 7. ESAL ESTIMATES

## (A) Source of Data

- ☐ Weight data collected at GPS site this year.  
☐ Weight data collected at GPS site prior years.  
☐ Weight data from system averages this year.  
☐ Weight data from system averages prior years.  
☒ Weight data from historic W-4 Tables used.  
☐ Other: \_\_\_\_\_

## (B) Weight Scale Type

- ☐ WIM scale.  
☐ Static scale used for enforcement.  
☐ Static scale not used for enforcement.  
☐ Other: \_\_\_\_\_

NAME OF PREPARER Phillip R. Lamb PHONE # 517-335-2903  
DATE PREPARED 2/22/91 Dave Smiley-Design  
517-335-1904

## SHEET 3

# LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [26]

\*SHRP SECTION ID [4015]

1. Year Applicable 1987

## 2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☒ Averaged and factored multiple counts taken this year at the GPS site.  
☐ Growth factored last year's estimate.  
☐ Estimated based on volume counts at nearby locations.  
☐ Used flow maps.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.  
☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☐ Used system averages from counts taken this year.  
☒ Used count data from nearby sites.  
☐ Used count data taken in earlier years at the GPS site.  
☐ Used system averages taken in earlier years at the GPS site.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☒ System distribution factors.  
☐ Other: \_\_\_\_\_

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.  
☒ System distribution factors.  
☐ Other: \_\_\_\_\_

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/Truck.  
☐ ESAL/Vehicle class. (no. of classes) \_\_\_\_\_  
☐ Other: \_\_\_\_\_

## 7. ESAL ESTIMATES

## (A) Source of Data

- ☐ Weight data collected at GPS site this year.  
☐ Weight data collected at GPS site prior years.  
☐ Weight data from system averages this year.  
☐ Weight data from system averages prior years.  
☒ Weight data from historic W-4 Tables used.  
☐ Other: \_\_\_\_\_

## (B) Weight Scale Type

- ☐ WIM scale.  
☐ Static scale used for enforcement.  
☐ Static scale not used for enforcement.  
☐ Other: \_\_\_\_\_

NAME OF PREPARER Phillip R. Lamb PHONE # 517-335-2903DATE PREPARED 2/22/91 Dave Smiley-Design517-335-1904

## SHEET 3

# LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [26]

\*SHRP SECTION ID [4015]

1. Year Applicable 1988

## 2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☒ Averaged and factored multiple counts taken this year at the GPS site.  
☐ Growth factored last year's estimate.  
☐ Estimated based on volume counts at nearby locations.  
☐ Used flow maps.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.  
☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☐ Used system averages from counts taken this year.  
☒ Used count data from nearby sites.  
☐ Used count data taken in earlier years at the GPS site.  
☐ Used system averages taken in earlier years at the GPS site.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☒ System distribution factors.  
☐ Other: \_\_\_\_\_

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.  
☒ System distribution factors.  
☐ Other: \_\_\_\_\_

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/Truck.  
☐ ESAL/Vehicle class. (no. of classes) \_\_\_\_\_  
☐ Other: \_\_\_\_\_

## 7. ESAL ESTIMATES

## (A) Source of Data

- ☐ Weight data collected at GPS site this year.  
☐ Weight data collected at GPS site prior years.  
☐ Weight data from system averages this year.  
☐ Weight data from system averages prior years.  
☒ Weight data from historic W-4 Tables used.  
☐ Other: \_\_\_\_\_

## (B) Weight Scale Type

- ☐ WIM scale.  
☐ Static scale used for enforcement.  
☐ Static scale not used for enforcement.  
☐ Other: \_\_\_\_\_

NAME OF PREPARER Phillip R. Lamb PHONE # 517-335-2903DATE PREPARED 2/22/91 Dave Smiley - Design517-335-1904

## SHEET 3

# LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [26]

\*SHRP SECTION ID [4015]

1. Year Applicable 1989

## 2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☐ Averaged and factored multiple counts taken this year at the GPS site.  
☒ Growth factored last year's estimate.  
☒ Estimated based on volume counts at nearby locations.  
☐ Used flow maps.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.  
☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☐ Used system averages from counts taken this year.  
☒ Used count data from nearby sites.  
☐ Used count data taken in earlier years at the GPS site.  
☐ Used system averages taken in earlier years at the GPS site.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☒ System distribution factors.  
☐ Other: \_\_\_\_\_

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.  
☒ System distribution factors.  
☐ Other: \_\_\_\_\_

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/Truck.  
☐ ESAL/Vehicle class. (no. of classes) \_\_\_\_\_  
☐ Other: \_\_\_\_\_

## 7. ESAL ESTIMATES

## (A) Source of Data

- ☐ Weight data collected at GPS site this year.  
☐ Weight data collected at GPS site prior years.  
☐ Weight data from system averages this year.  
☐ Weight data from system averages prior years.  
☒ Weight data from historic W-4 Tables used.  
☐ Other: \_\_\_\_\_

## (B) Weight Scale Type

- ☐ WIM scale.  
☐ Static scale used for enforcement.  
☐ Static scale not used for enforcement.  
☐ Other: \_\_\_\_\_

NAME OF PREPARER Phillip R. Lamb PHONE # 517-335-2903DATE PREPARED 2/22/91 Dave Smiley - Design517-335-1904

<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ <u>26</u> ]
	*SHRP SECTION ID [ <u>4015</u> ]

HIGHWAY ROUTE NO. (THIS COUNT) I-69  
 MILEPOST# OR LOCATION (THIS COUNT) 0.5 Mile West of M-19  
 BEGINNING DATE 10/20/88 ENDING DATE 10/20/88  
 BEGINNING TIME 12 - 1 AM ENDING TIME 11 - 12 M  
 COUNT DURATION 24 [X] HOURS [ ] DAYS [ ] MONTHS  
 TYPE OF COUNTER AVC PORT. NAME/MODEL # SARASOTA VC1900  
 TYPE OF COUNT: TWO-WAY    ONE DIRECTION ONLY X GPS TEST LANE ONLY     
EB

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)	--5,378	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	2.000	(Directional Factor)
B. AXLE CORRECTION FACTOR (See E)	--	
C. DAY OF WEEK FACTOR	--	Seasonal Factor
<u>D.</u> MONTH FACTOR	1.037	DMC; - excess vehicles
E. OTHER FACTOR ( <u>- Excess Veh.</u> )	+3,340	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	--8,560	
4. DIRECTIONAL DISTRIBUTION FACTOR	0.500	
5. GPS LANE DISTRIBUTION FACTOR	0.850	
6. AADT GPS LANE	--3,638	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Phillip R. Lamb</u>	PHONE # <u>517-335-2943</u>
DATE PREPARED <u>2/22/91</u>	



<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ <u>26</u> ]
	*SHRP SECTION ID [ <u>4015</u> ]

HIGHWAY ROUTE NO. (THIS COUNT) I-69

MILEPOST# OR LOCATION (THIS COUNT) 0.5 Mile West of M-19

BEGINNING DATE 10/21/88 ENDING DATE 10/21/88

BEGINNING TIME 12-1 AM ENDING TIME 11-12 M

COUNT DURATION 24 ☒ HOURS [ ] DAYS [ ] MONTHS

TYPE OF COUNTER AVC PORT. NAME/MODEL # SARASOTA VC1900

TYPE OF COUNT: TWO-WAY ☐ ONE DIRECTION ONLY ☒ GPS TEST LANE ONLY ☐

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)	-- <u>6231</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u>2.000</u>	(Directional Factor)
B. AXLE CORRECTION FACTOR (See E)	--	
C. DAY OF WEEK FACTOR	--	Seasonal Factor
D. MONTH FACTOR	<u>0.804</u>	
E. OTHER FACTOR ( <u>Imc; - excess factors</u> )	<u>+3,340</u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	-- <u>6679</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>0.500</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>0.850</u>	
6. AADT GPS LANE	-- <u>2039</u>	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Phillip R. Lamb</u>	PHONE # <u>517-335-2943</u>
DATE PREPARED <u>2/22/91</u>	

<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ <u>26</u> ]
	*SHRP SECTION ID [ <u>4015</u> ]

HIGHWAY ROUTE NO. (THIS COUNT) I-69

MILEPOST# OR LOCATION (THIS COUNT) 0.5 Mile West of M-19

BEGINNING DATE 10/22/88 ENDING DATE 10/22/88

BEGINNING TIME 12-01 AM ENDING TIME 11-12 M

COUNT DURATION 24 ☒ HOURS [ ] DAYS [ ] MONTHS

TYPE OF COUNTER AVC PORT. NAME/MODEL # SARASOTA VC1900

TYPE OF COUNT: TWO-WAY ☐ ONE DIRECTION ONLY ☒ EB GPS TEST LANE ONLY ☐

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)		<u>4329</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT		<u>2.000</u> (Directional Factor)
B. AXLE CORRECTION FACTOR (See E)		<u>1.000</u>
C. DAY OF WEEK FACTOR	} <u>Seasonal Factor</u>	<u>1.000</u>
D. MONTH FACTOR		<u>0.867</u>
E. OTHER FACTOR ( <u>- Excess Veh.</u> )		<u>+3,340</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>4166</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>0.500</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>0.850</u>
6. AADT GPS LANE		<u>1771</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Phillip R. Lamb</u>	PHONE # <u>517-335-2943</u>
DATE PREPARED <u>2/22/91</u>	

<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ <u>26</u> ]
	*SHRP SECTION ID [ <u>4015</u> ]

HIGHWAY ROUTE NO. (THIS COUNT) I-69

MILEPOST# OR LOCATION (THIS COUNT) 0.5 Mile West of M-19

BEGINNING DATE 10/23/88 ENDING DATE 10/23/88

BEGINNING TIME 12-01AM ENDING TIME 11-12M

COUNT DURATION 24 [X] HOURS [ ] DAYS [ ] MONTHS

TYPE OF COUNTER AVC PORT. NAME/MODEL # SARASOTA VC1900

TYPE OF COUNT: TWO-WAY    ONE DIRECTION ONLY X GPS TEST LANE ONLY     
EB

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)	--	<u>4471</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	2.000	(Directional Factor)
B. AXLE CORRECTION FACTOR (See E)	--	----
C. DAY OF WEEK FACTOR	Seasonal Factor	----
D. MONTH FACTOR	Dmc; - Excess Vehicles	0.850
E. OTHER FACTOR ( - Excess Veh. )	+3,340	--
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	--	<u>4260</u>
4. DIRECTIONAL DISTRIBUTION FACTOR	0.500	--
5. GPS LANE DISTRIBUTION FACTOR	0.850	--
6. AADT GPS LANE	--	<u>4801</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Phillip R. Lamb</u>	PHONE # <u>517-335-2943</u>
DATE PREPARED <u>2/22/91</u>	

<b>SHEET 4</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ <u>26</u> ]
	*SHRP SECTION ID [ <u>4015</u> ]

HIGHWAY ROUTE NO. (THIS COUNT) I-69

MILEPOST# OR LOCATION (THIS COUNT) 0.5 Mile West of M-19

BEGINNING DATE 10/20/88 ENDING DATE 10/20/88

BEGINNING TIME 12-01 AM ENDING TIME 11-12 M

COUNT DURATION 24 [X] HOURS [ ] DAYS [ ] MONTHS

TYPE OF COUNTER AVC PORT. NAME/MODEL # SARASOTA VC1900

TYPE OF COUNT: TWO-WAY      ONE DIRECTION ONLY X GPS TEST LANE ONLY       
WB

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>5390</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u>2.000</u>	<u>(Directional Factor)</u>
B. AXLE CORRECTION FACTOR ( <u>See E</u> )	<u>    </u>	
C. DAY OF WEEK FACTOR	<u>    </u>	<u>Seasonal Factor</u>
<u>D.</u> MONTH FACTOR	<u>1.037</u>	
E. OTHER FACTOR ( <u>- Excess Veh.</u> )	<u>-3,340</u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>7838</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>0.500</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>0.850</u>	
6. AADT GPS LANE	<u>3,331</u>	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Phillip R. Lamb</u>	PHONE # <u>517-335-2943</u>
DATE PREPARED <u>2/22/91</u>	



<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ <u>26</u> ]
	*SHRP SECTION ID [ <u>1015</u> ]

HIGHWAY ROUTE NO. (THIS COUNT) I-69  
 MILEPOST# OR LOCATION (THIS COUNT) 0.5 Mile West of M-19  
 BEGINNING DATE 10/22/88 ENDING DATE 10/22/88  
 BEGINNING TIME 12-01 AM ENDING TIME 11-12 M  
 COUNT DURATION 24 [X] HOURS [ ] DAYS [ ] MONTHS  
 TYPE OF COUNTER AVC PORT. NAME/MODEL # SARASOTA VC1900  
 TYPE OF COUNT: TWO-WAY      ONE DIRECTION ONLY X GPS TEST LANE ONLY       
WB

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)	-- <u>4004</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	2.000	(Directional Factor)
B. AXLE CORRECTION FACTOR (See E)	. . . . .	
C. DAY OF WEEK FACTOR	. . . . .	} Seasonal Factor
<u>D.</u> MONTH FACTOR	0.867	
E. OTHER FACTOR ( - Excess Veh. )	- 3,340	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	-- <u>3602</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	0.500	
5. GPS LANE DISTRIBUTION FACTOR	0.850	
6. AADT GPS LANE	-- <u>1702</u>	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Phillip R. Lamb</u>	PHONE # <u>517-335-2943</u>
DATE PREPARED <u>2/22/91</u>	

<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ <u>26</u> ]
	*SHRP SECTION ID [ <u>4015</u> ]

HIGHWAY ROUTE NO. (THIS COUNT) I-69

MILEPOST# OR LOCATION (THIS COUNT) 0.5 Mile West of M-19

BEGINNING DATE 10/23/88 ENDING DATE 10/23/88

BEGINNING TIME 12-01 AM ENDING TIME 11-12M

COUNT DURATION 24 [X] HOURS [ ] DAYS [ ] MONTHS

TYPE OF COUNTER AVC PORT. NAME/MODEL # SARASOTA VC1900

TYPE OF COUNT: TWO-WAY    ONE DIRECTION ONLY X GPS TEST LANE ONLY   

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)		<u>4756</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT		<u>2.000</u> (Directional Factor)
B. AXLE CORRECTION FACTOR (See E)		<u>  </u>
C. DAY OF WEEK FACTOR	} Seasonal Factor	<u>  </u>
D. MONTH FACTOR		<u>0.850</u>
E. OTHER FACTOR ( <u>- Excess Veh.</u> )		<u>-3,340</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>4745</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>0.500</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>0.850</u>
6. AADT GPS LANE		<u>2017</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Phillip R. Lamb</u>	PHONE # <u>517-335-2943</u>
DATE PREPARED <u>2/22/91</u>	

<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ <u>26</u> ]
	*SHRP SECTION ID [ <u>4015</u> ]

HIGHWAY ROUTE NO. (THIS COUNT) I-69

MILEPOST# OR LOCATION (THIS COUNT) 0.5 Mile West of M-19

BEGINNING DATE 6/1/87 ENDING DATE 6/3/87

BEGINNING TIME 10 - 11 AM ENDING TIME 12 - 1 PM

COUNT DURATION 3 [ ] HOURS [X] DAYS [ ] MONTHS

TYPE OF COUNTER AVC PORT. NAME/MODEL # SARASOTA VC1900

TYPE OF COUNT: TWO-WAY    ONE DIRECTION ONLY X GPS TEST LANE ONLY     
EB

ITEM	ACTUAL COUNTS	UNITS	
1. TOTAL NO. OF VEHICLES (RAW COUNT)			<u>12,827</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):			<u>4</u>
A. ADJUSTMENT TO 24-HOUR COUNT			<u>4,276</u>
B. AXLE CORRECTION FACTOR (See E)			
C. DAY OF WEEK FACTOR	} Seasonal Factor		
D. MONTH FACTOR			
E. OTHER FACTOR ( <u>- Excess Veh.</u> )			
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)			<u>8,552</u>
4. DIRECTIONAL DISTRIBUTION FACTOR			<u>0.500</u>
5. GPS LANE DISTRIBUTION FACTOR			<u>0.850</u>
6. AADT GPS LANE			<u>3,635</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Phillip R. Lamb</u>	PHONE # <u>517-335-2943</u>
DATE PREPARED <u>2/22/91</u>	



<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ _ _ _ _ ] *STATE CODE [ <u>26</u> ] *SHRP SECTION ID [ <u>4015</u> ]
--	---

HIGHWAY ROUTE NO. (THIS COUNT) I-69  
 MILEPOST# OR LOCATION (THIS COUNT) 0.5 Mile West of M-19  
 BEGINNING DATE 6/1/87 ENDING DATE 6/2/87  
 BEGINNING TIME 10-11AM ENDING TIME 09-10AM  
 COUNT DURATION 24 [ ☒ ] HOURS [ ] DAYS [ ] MONTHS  
 TYPE OF COUNTER AVC PORT. NAME/MODEL # SARASOTA VC1900  
 TYPE OF COUNT: TWO-WAY ☐ ONE DIRECTION ONLY ☒ GPS TEST LANE ONLY ☐  
*WE*

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)	-- <u>3955</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	2.000	(Directional Factor)
B. AXLE CORRECTION FACTOR (See E)	--	
C. DAY OF WEEK FACTOR	--	
D. MONTH FACTOR	--	
E. OTHER FACTOR ( <u>- Excess Veh.</u> )	--	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	-- <u>7910</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	0.500	
5. GPS LANE DISTRIBUTION FACTOR	0.850	
6. AADT GPS LANE	-- <u>3362</u>	

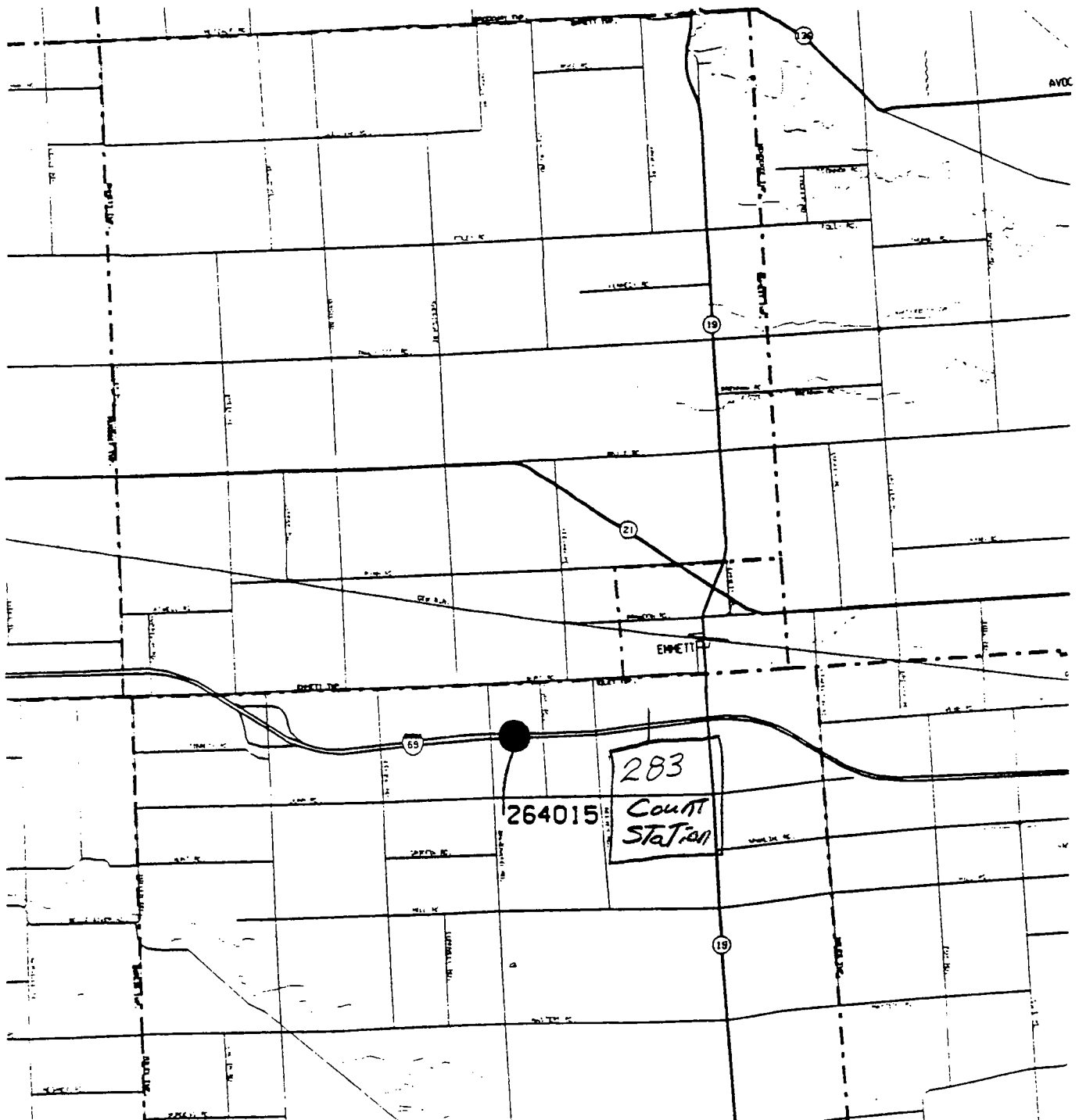
NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Phillip R. Lamb</u>	PHONE # <u>517-335-2943</u>
DATE PREPARED <u>2/22/91</u>	

6

# MICHIGAN

SHRP ID = 264015  
ROUTE = I-69 Eastbound  
COUNTY = ST. CLAIR  
LOCATION = 1500 ft. E of BRIARWOOD RD.  
.65 MI W of REEVES RD  
CLASS = JRCP  
ADT = 5,700



State Code 26

SHRP SECTION ID 4015

[illegible]

ST. CLAIR COUNTY CS NO 77024 MILE PT 10.820 STA NO 0283 DIRECTION: EAST

ROUTE AND DESCRIPTION  
I-69

0.5 MILE WEST OF M-19 RILEY TWP.

LANES: ALL

RAMP OR CROSSOVER:

DAY DATE	WED 10-19	THU 10-20	FRI 10-21	SAT 10-22	SUN 10-23	MON 10-24	TUE 10-25
AM							
12-0100		105	124	102	80	106	
01-0200		107	135	124	98	132	
02-0300		64	86	62	43	47	
03-0400		74	55	54	15	66	
04-0500		115	105	67	29	115	
05-0600		163	155	66	33	184	
06-0700		201	172	117	34	190	
07-0800		271	276	157	68	246	
08-0900		237	282	221	90	220	
09-1000		273	257	241	147		
10-1100		295	345	237	208		
11-1200	335	350	320	291	266		
PM							
12-0100	315	288	388	311	304		
01-0200	312	358	390	339	342		
02-0300	349	387	393	240	364		
03-0400	344	414	407	281	337		
04-0500	361	413	471	270	412		
05-0600	358	388	438	242	414		
06-0700	289	295	408	213	304		
07-0800	208	278	314	195	294		
08-0900	186	178	259	158	185		
09-1000	161	204	174	114	166		
10-1100	151	164	167	145	147		
11-1200	102	116	110	82	91		
DLY TOT	3471	5738	6231	4329	4471	1306	
24 HR TOT		5376	5825	5687	3726	5287	
AM HI HR END	12:00	12:00	11:00	12:00	12:00	8:00	
VOLUME	335	350	345	291	266	246	
PM HI HR END	5:00	4:00	5:00	2:00	6:00		
VOLUME	361	414	471	339	414		
% HI HR FACTOR							
24 HR TOT		6.7%	7.1%	8.2%	9.0%	7.8%	

MACH NO 375 STATEWIDE WITH HOSES REMARKS

\*\* HOSE COUNTS REPRESENT THE NUMBER OF AXLES PASSING OVER THE HOSE AND DIVIDED BY 2.  
LOOP COUNTS ARE ACTUAL VEHICLE COUNTS.

ST. CLAIR COUNTY CS NO 77024 MILE PT 10.820 STA NO 0283 DIRECTION: WEST

ROUTE AND DESCRIPTION  
I-69

0.5 MILE WEST OF M-19 RILEY TWP.

LANES: ALL

RAMP OR CROSSOVER:

DAY DATE	WED 10-19	THU 10-20	FRI 10-21	SAT 10-22	SUN 10-23	MON 10-24	TUE 10-25
AM							
12-0100		122	82	92	86	60	
01-0200		69	77	63	62	40	
02-0300		50	76	66	44	32	
03-0400		74	34	23	15	28	
04-0500		42	45	40	17	41	
05-0600		78	76	63	20	72	
06-0700		150	157	77	32	138	
07-0800		237	213	112	30	247	
08-0900		282	245	145	86	295	
09-1000		338	288	193	104		
10-1100		323	274	237	191		
11-1200	328	292	332	256	227		
PM							
12-0100	253	351	327	275	320		
01-0200	283	293	325	284	337		
02-0300	341	335	308	299	372		
03-0400	327	327	386	289	415		
04-0500	372	434	388	252	419		
05-0600	387	368	436	270	442		
06-0700	263	319	409	257	409		
07-0800	257	219	313	171	353		
08-0900	145	210	219	182	266		
09-1000	190	171	171	135	241		
10-1100	176	151	145	125	168		
11-1200	100	155	120	98	100		
DLY TOT	3422	5390	5446	4004	4756	953	
24 HR TOT		5187	5192	4990	3580	5317	
AM HI HR END	12:00	10:00	12:00	12:00	12:00	9:00	
VOLUME	328	338	332	256	227	295	
PM HI HR END	6:00	5:00	6:00	3:00	6:00		
VOLUME	387	434	436	299	442		
% HI HR FACTOR							
24 HR TOT		7.4%	8.3%	8.7%	8.3%	8.3%	

MACH NO 414 STATEWIDE WITH HOSES REMARKS

\*\* HOSE COUNTS REPRESENT THE NUMBER OF AXLES PASSING OVER THE HOSE AND DIVIDED BY 2.  
LOOP COUNTS ARE ACTUAL VEHICLE COUNTS.

ST. CLAIR COUNTY CS NO 77024 MILE PT 10.820 STA NO 0283 DIRECTION: EAST

ROUTE AND DESCRIPTION  
I-69

0.5 MILE WEST OF M-19 RILEY TWP.

LANES: ALL

RAMP OR CROSSOVER:

DAY DATE	MON 06-01	TUE 06-02	WED 06-03	THU 06-04	FRI 06-05	SAT 06-06	SUN 06-07
AM							
12-0100		74	85				
01-0200		92	66				
02-0300		39	61				
03-0400		63	34				
04-0500		60	30				
05-0600		60	53				
06-0700		116	138				
07-0800		215	203				
08-0900		245	257				
09-1000		267	284				
10-1100	141	259	299				
11-1200	293	280	251				
PM							
12-0100	237	252	273				
01-0200	248	255					
02-0300	270	278					
03-0400	286	264					
04-0500	279	275					
05-0600	334	287					
06-0700	234	206					
07-0800	188	183					
08-0900	199	131					
09-1000	116	166					
10-1100	127	136					
11-1200	74	86					
DLY TOT	3026	4289	2034				
24 HR TOT		4257	4269	4301			
AM HI HR END	12:00	12:00	11:00				
VOLUME	293	280	299				
PM HI HR END	6:00	6:00	1:00				
VOLUME	334	287	273				
% HI HR FACTOR							
24 HR TOT		7.8%	6.7%	6.9%			
MACH NO	419	STATEWIDE WITH HOSES	REMARKS				

\*\* HOSE COUNTS REPRESENT THE NUMBER OF AXLES PASSING OVER THE HOSE AND DIVIDED BY 2.  
LOOP COUNTS ARE ACTUAL VEHICLE COUNTS.

PAGE 232

MDOT TRANSPORTATION PLANNING SERVICES DIVISION  
TRAFFIC RECORD PROGRAM Q/413/09

YEAR 1987

ST. CLAIR COUNTY CS NO 77024 MILE PT 10.820 STA NO 0283 DIRECTION: WEST

ROUTE AND DESCRIPTION  
I-69

0.5 MILE WEST OF M-19 RILEY TWP.

LANES: ALL

RAMP OR CROSSOVER:

DAY DATE	MON 06-01	TUE 06-02	WED 06-03	THU 06-04	FRI 06-05	SAT 06-06	SUN 06-07
AM							
12-0100		99					
01-0200		102					
02-0300		52					
03-0400		58					
04-0500		84					
05-0600		123					
06-0700		201					
07-0800		201					
08-0900		193					
09-1000		196					
10-1100	134						
11-1200	233						
PM							
12-0100	232						
01-0200	208						
02-0300	273						
03-0400	276						
04-0500	265						
05-0600	213						
06-0700	201						
07-0800	142						
08-0900	116						
09-1000	130						
10-1100	101						
11-1200	122						
DLY TOT	2646	1309					
24 HR TOT		3955					
AM HI HR END	12:00	7:00					
VOLUME	233	201					
PM HI HR END	4:00						
VOLUME	276						
% HI HR FACTOR							
24 HR TOT		6.9%					

MACH NO 419 STATEWIDE WITH HOSES REMARKS

\*\* HOSE COUNTS REPRESENT THE NUMBER OF AXLES PASSING OVER THE HOSE AND DIVIDED BY 2.  
LOOP COUNTS ARE ACTUAL VEHICLE COUNTS.

[illegible]