



**Mercer County Regional Planning Commission**

*Mercer County  
Congestion Management Processes*

**PERFORMANCE MONITORING SUMMARY**

# **CMP Corridor #305**

*SR 3008 / East State Street*

**Data Date: Fall / Winter 2009**

## PERFORMANCE MONITORING SUMMARY FOR:

<b>CORRIDOR #305</b>	<b>Data Date:</b>	<b>Fall / Winter 2009</b>
<b>SR 3008</b> <i>East State St</i>	<b>Limits:</b>	Irvine Avenue (City of Sharon) to US 62 (City of Hermitage)
	<b>Length:</b>	3.6 Miles
	<b>Volume:</b>	Daily = 3,700-20,200 veh/day; Hourly = 410-2,020 veh/hr

### Applicable Type(s) of Congestion (✓)

✓	Commuter / Commercial Congestion		Non-recurring Incident Congestion
✓	Town Center / Main Street Congestion		Non-recurring Special Event Congestion
✓	School Congestion	✓	Isolated Issues / Hot-Spots

### Performance Measures (per travel time data or field recon)

---	<b>PREVIOUS UPDATE</b> (none) Total Delay (veh-hr) and ( <i>County Rank</i> )	---	<b>PREVIOUS UPDATE</b> (none) Delay Rate (min / mi) and ( <i>County Rank</i> )
<b>154</b> <b>(1)</b>	<b>CURRENT UPDATE</b> (2009) Total Delay (veh-hr) and ( <i>County Rank</i> )	<b>2.4</b> <b>(1)</b>	<b>CURRENT UPDATE</b> (2009) Delay Rate (min / mi) and ( <i>County Rank</i> )
<b>14.9</b>	Travel Time (minutes)	<b>11.3</b>	Stops (#)
<b>8.7</b>	Delay (minutes)	<b>3.2</b>	Stop Rate (# / mi)
<b>58</b>	Delay Ratio (%)	<b>9</b>	Total Flagged Considerations (#)
<b>15</b>	Average Speed (mph)	<b>57</b>	Estimated Sidewalk Completion (%)

### Flagged Considerations (✓)

	National Highway System	✓	Tourism / Recreation / Special Events
✓	Transit	✓	Community Concerns / Quality of Life
✓	Pedestrian		Growth / Land Use / Economic Impacts
	Bicycle	✓	Roadway Infrastructure (or related)
✓	Truck Freight	✓	Traffic Operations (or related)
✓	Rail Freight		Access / Access Control
	Incident Management	✓	Safety or Crash Activity

### Adjacent Land Uses (% of corridor length based on segment-level occurrences)

<b>58%</b>	Residential	<b>34%</b>	Religious / Church / Cemetery
<b>100%</b>	Business / Commercial	<b>8%</b>	Health / Medical / Emergency Services
<b>0%</b>	Industrial / Manufacturing	<b>0%</b>	Government / Institutional
<b>5%</b>	Educational	-	Other:

### *Context Description*

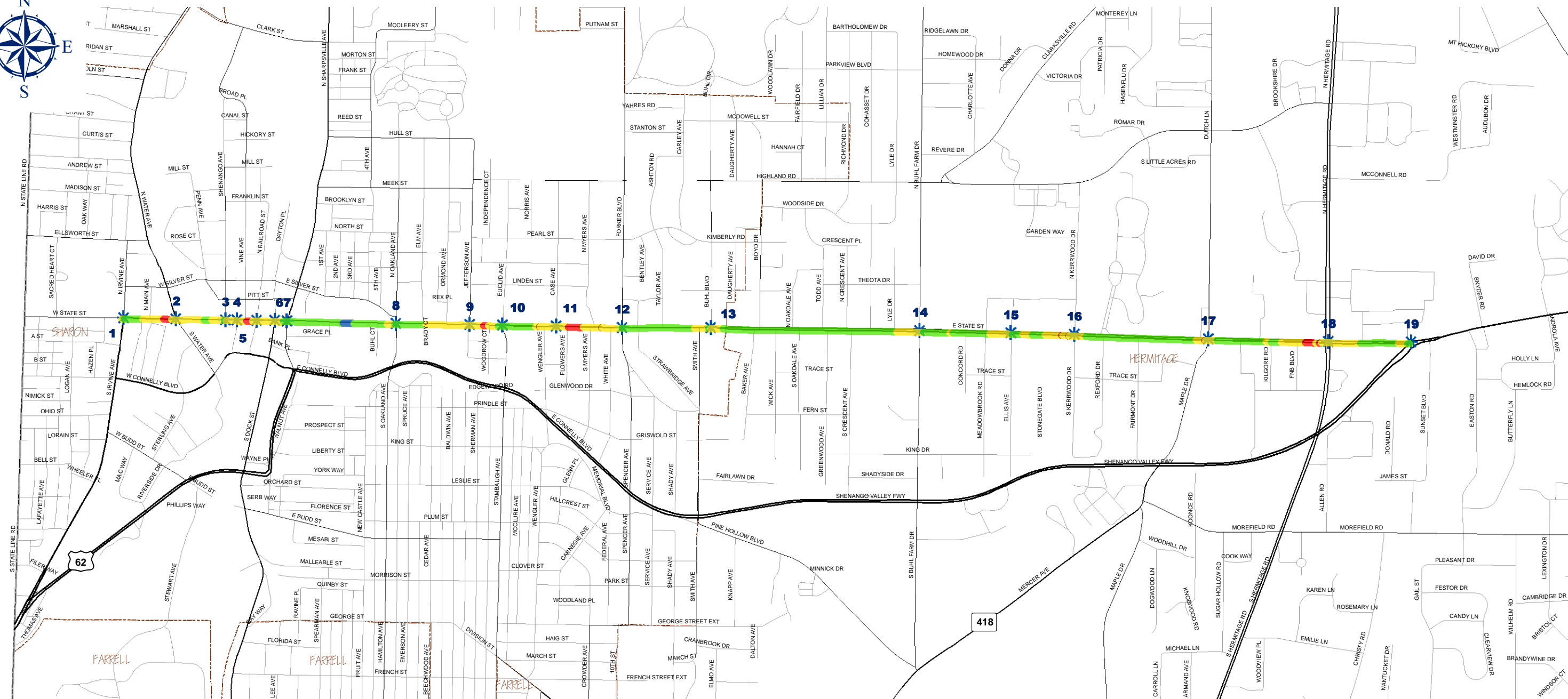
SR 3008 (East State Street) is a 25-35 mph community arterial that varies from 2-3 lanes with “town center” and “suburban center” contexts through the City of Sharon, to 4-5 lanes with a mostly “suburban corridor” context and heavy commercial activity through the City of Hermitage. Congestion is typically heaviest during the weekday PM peak period with an emphasis on an earlier “school dismissal” peak.

### *Other Highlights*

- The presence of 4 different types of congestion and 9 different flagged considerations highlight a busy mix of potential issues or concerns.
- The 19 signalized intersections in this corridor, many with aging equipment, contribute to overall delay as evidenced by the high delay ratio or number of stops.
- Oakland Avenue to Forker Boulevard: Pedestrian, school-pedestrian, and crossing guard activities near Sharon Regional Health System, Case Avenue Elementary, and Sharon MS/HS increase delays and potential pedestrian/vehicle conflicts.
- Possible isolated hot-spots:
  - Signalized left-turn issues at Node 10 (PA 518 / Stambaugh Avenue).
  - Signalized left-turn issues at Node 16 (Kerrwood Drive).
  - 5-lane to 2-lane bottleneck at Node 13 (Buhl Boulevard).

### *Change Since Previous*

- No change – data contained herein represents baseline conditions for Fall/Winter 2009 as defined during the CMP’s initial corridor assessments.
- Strategy Potential – An initial “Wish List” of Congestion Management Strategies has yet to be determined for this corridor.

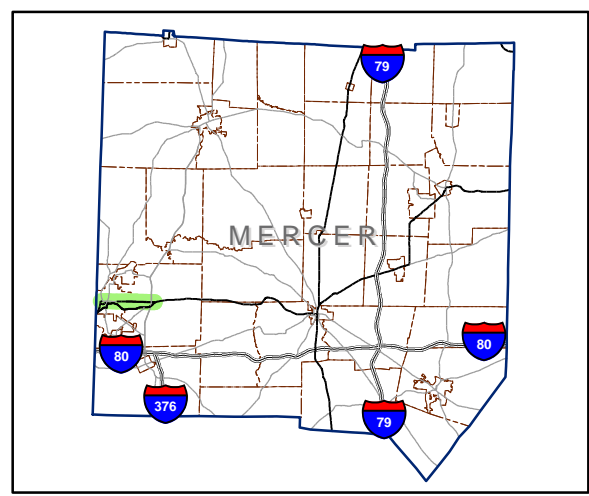
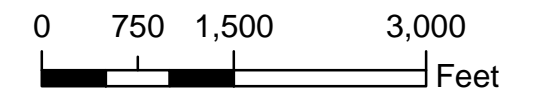


**LEGEND**

- Speed-Based Congestion Estimate**
- Slowed / Stopped (Significant Congestion)
  - Slowed (Moderate Congestion)
  - Free-Flowing (Minimal Congestion)
  - Free-Flowing (No Congestion)

- Corridor Nodes, SR 3008 @:**
- \* 1, Irvine Ave
  - \* 2, PA 718, Water Ave
  - \* 3, Shenango Ave
  - \* 4, Chestnut Ave
  - \* 5, Railroad St
  - \* 6, PA 60, Dock St
  - \* 7, PA 518, Sharpsville Ave
  - \* 8, Oakland Ave
  - \* 9, Jefferson Ave
  - \* 10, PA 518, Stambaugh Ave

- \* 11, Case Ave
- \* 12, Forker Blvd, Spencer Ave
- \* 13, Buhl Blvd
- \* 14, Buhl Farm Dr (SR 3025)
- \* 15, Ellis Ave
- \* 16, Kerrwood Dr
- \* 17, Maple Dr / Dutch Ln (SR 3035)
- \* 18, PA 18, Hermitage Rd
- \* 19, US 62, Shenango Valley Fwy



Detail 1 - County Location (N.T.S.)

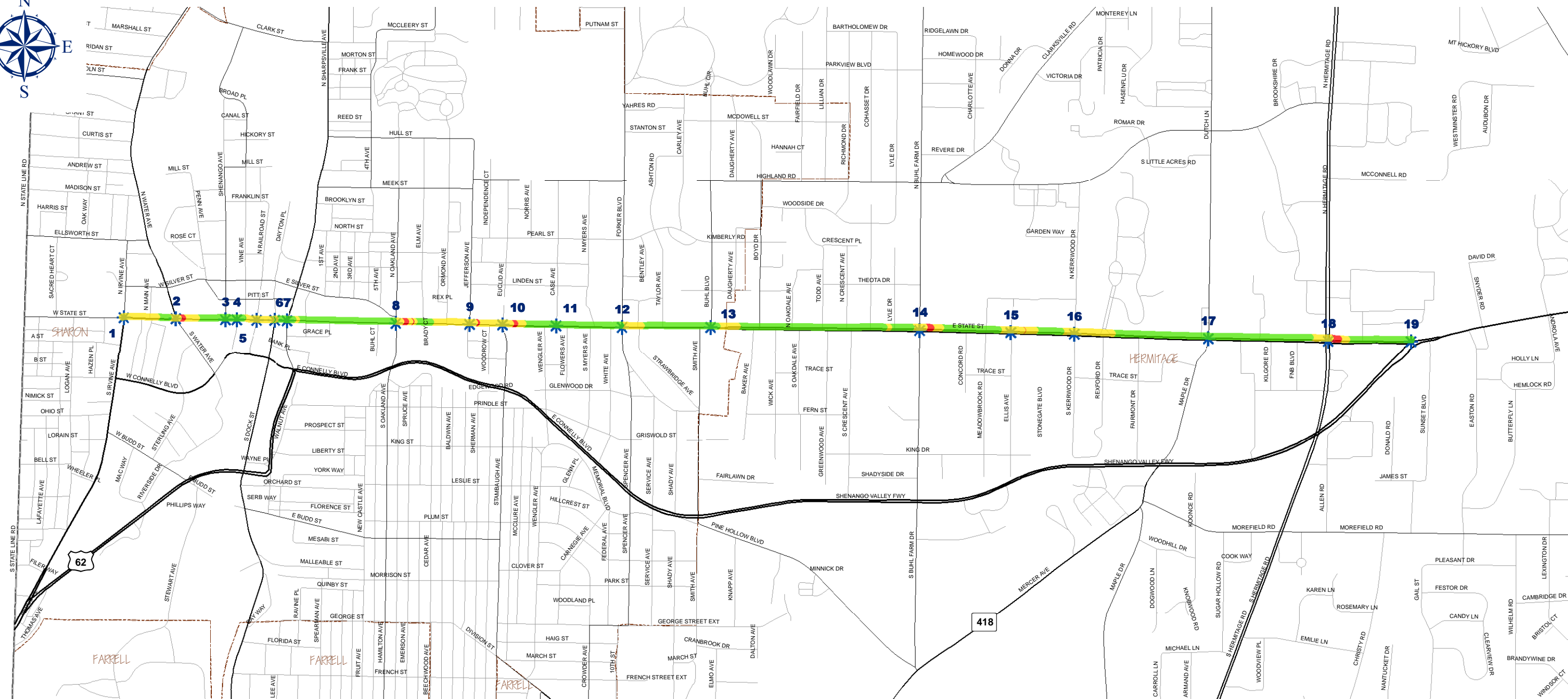
**Mercer County CMP**

**SR 3008 (E State St)**  
Speed Display Diagram for  
Typical Weekday PM Peak (EB)

Corridor #305

Revised 3/26/10



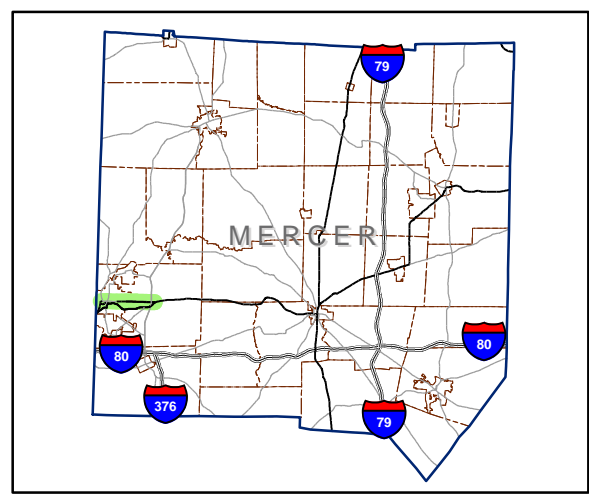
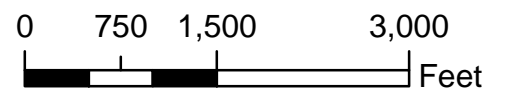


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