



Mercer County Regional Planning Commission

*Mercer County
Congestion Management Processes*

PERFORMANCE MONITORING SUMMARY

CMP Corridor #102

I-79 (County-Wide)

Data Date: Fall / Winter 2009

PERFORMANCE MONITORING SUMMARY FOR:

CORRIDOR #102	Data Date:	Fall / Winter 2009
I-79	Limits:	Lawrence County Line to Crawford County Line
	Length:	26.1 Miles
	Volume:	Daily = 17,500-28,900 veh/day; Hourly = 1,750-2,310 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)

---	PREVIOUS UPDATE (none) Total Delay (veh-hr) and (County Rank)	---	PREVIOUS UPDATE (none) Delay Rate (min / mi) and (County Rank)
(n/a)		(n/a)	
0	CURRENT UPDATE (2009) Total Delay (veh-hr) and (County Rank)	0.0	CURRENT UPDATE (2009) Delay Rate (min / mi) and (County Rank)
(23)		(21)	
21.8	Travel Time (minutes)	0.0	Stops (#)
0.0	Delay (minutes)	0.0	Stop Rate (# / mi)
0	Delay Ratio (%)	4	Total Flagged Considerations (#)
72	Average Speed (mph)	0	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)

	Residential		Religious / Church / Cemetery
	Business / Commercial		Health / Medical / Emergency Services
	Industrial / Manufacturing		Government / Institutional
	Educational	100%	Other: Controlled-Access Interstate

Context Description

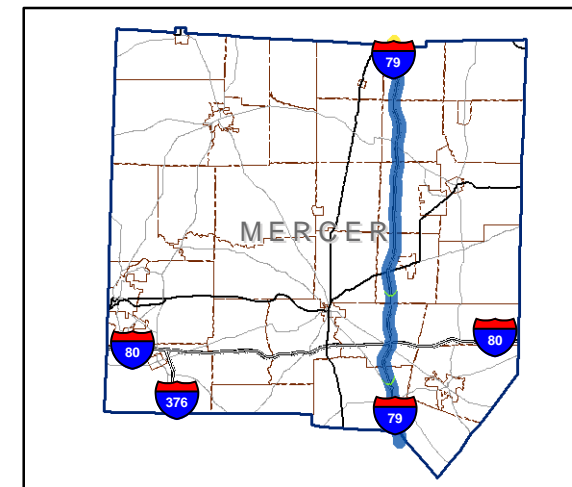
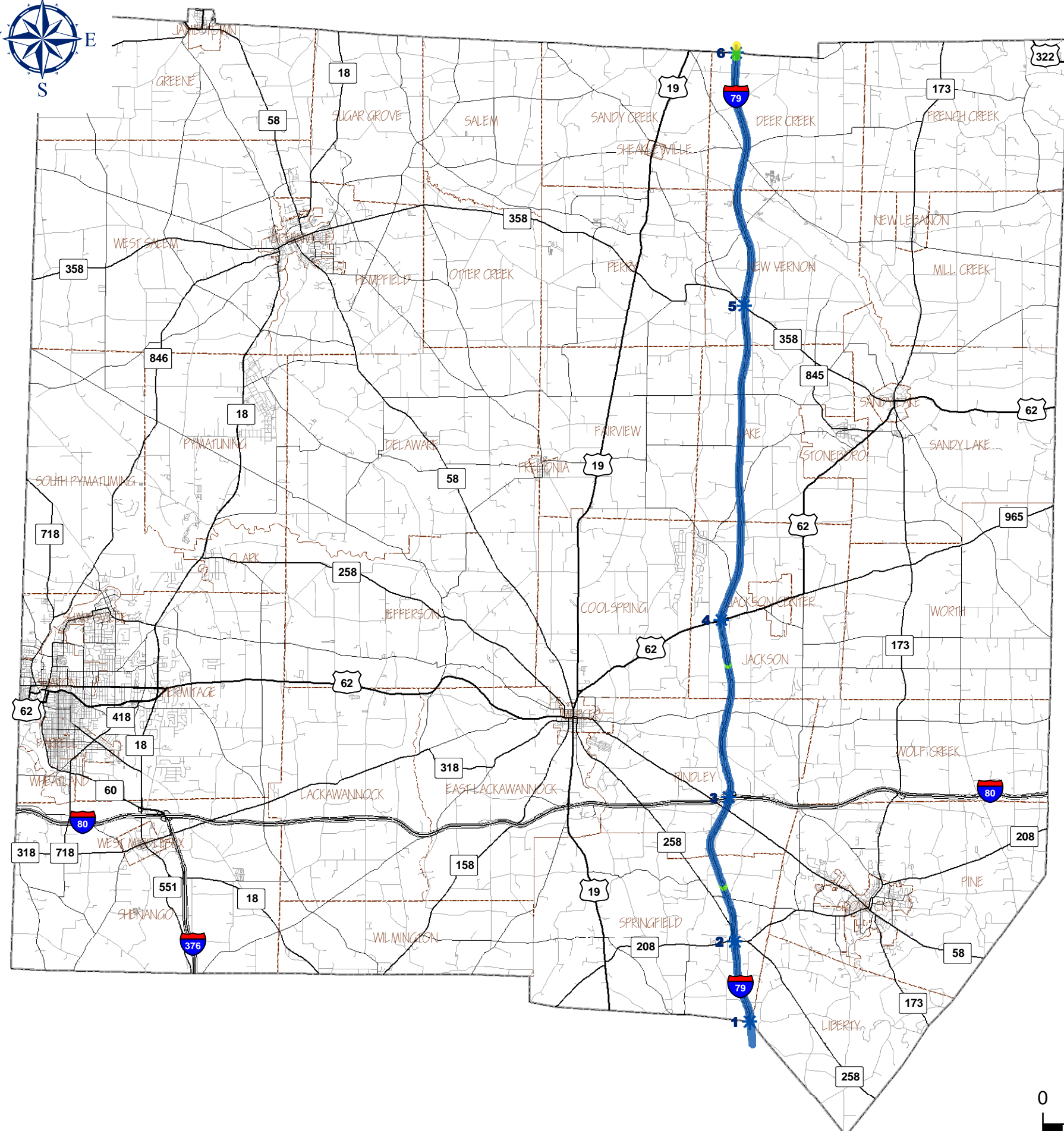
I-79 is a 65 mph north/south interstate highway with 2 lanes in each direction. Most of the corridor is a “rural places” context with four interchanges throughout the county including Exits 113 (PA 208), 116 (I-80), 121 (US 62) and 130 (PA 358). Notable among those is Exit 113 which includes access to the busy Prime Outlets site and related special events (e.g., holiday shopping peaks). Recurring congestion along I-79 is currently non-existent; although problems may occur during periods of construction or incidents (e.g., crashes, weather, etc.).

Other Highlights

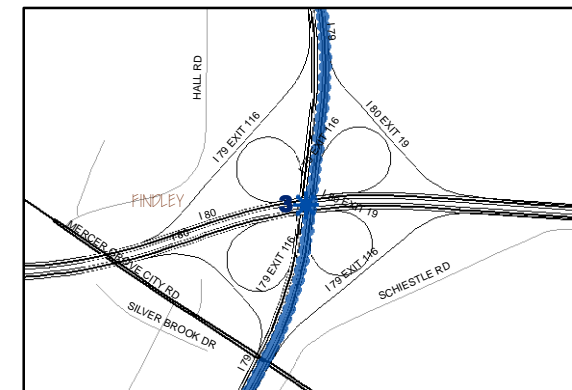
- Heavy interstate truck traffic (15-19% according to PennDOT’s iTMS data), as I-79 is a major national freight transportation corridor.
- I-79 detours have the potential to impact several corridors throughout the county.
- Special event planning for seasonal shopping peaks at Exit 113 for Prime Outlets.

Change Since Previous

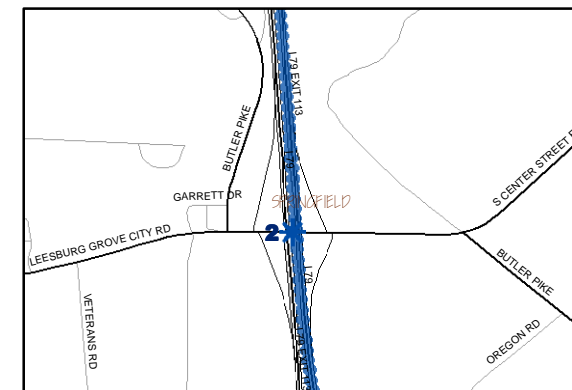
- No change – data contained herein represents baseline conditions for Fall/Winter 2009 as defined during the CMP’s initial corridor assessments.
- Strategy Potential – An initial “Wish List” of Congestion Management Strategies has yet to be determined for this corridor; however several potential ITS or Incident Management related strategies are listed in the 2007 Northwest ROP, including:
 - I-79 & I-80 DMS replacement and HAR deployment
 - I-79 & PA 358 HAR deployment
 - NW PA Region Detour Routes GIS Mapping



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



Detail 2 - I-80 Interchange (N.T.S.)



Detail 3 - PA 208 Interchange

LEGEND

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

- Corridor Nodes, I-79 @:**
- ✱ 6, Crawford County Line
 - ✱ 5, Exit 130, PA 358
 - ✱ 4, Exit 121, US 62
 - ✱ 3, Exit 116, I-80
 - ✱ 2, Exit 113, PA 208
 - ✱ 1, Lawrence County Line

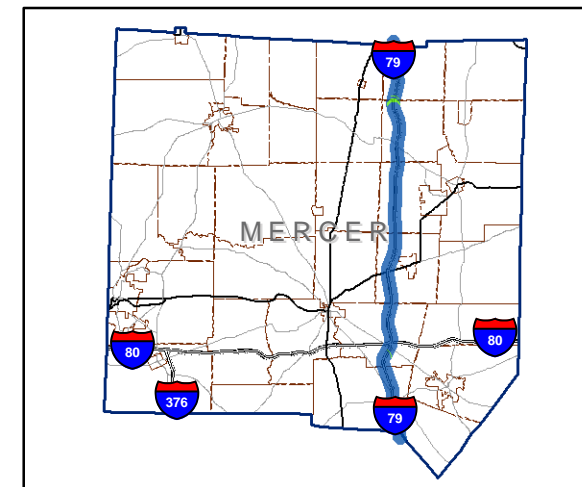
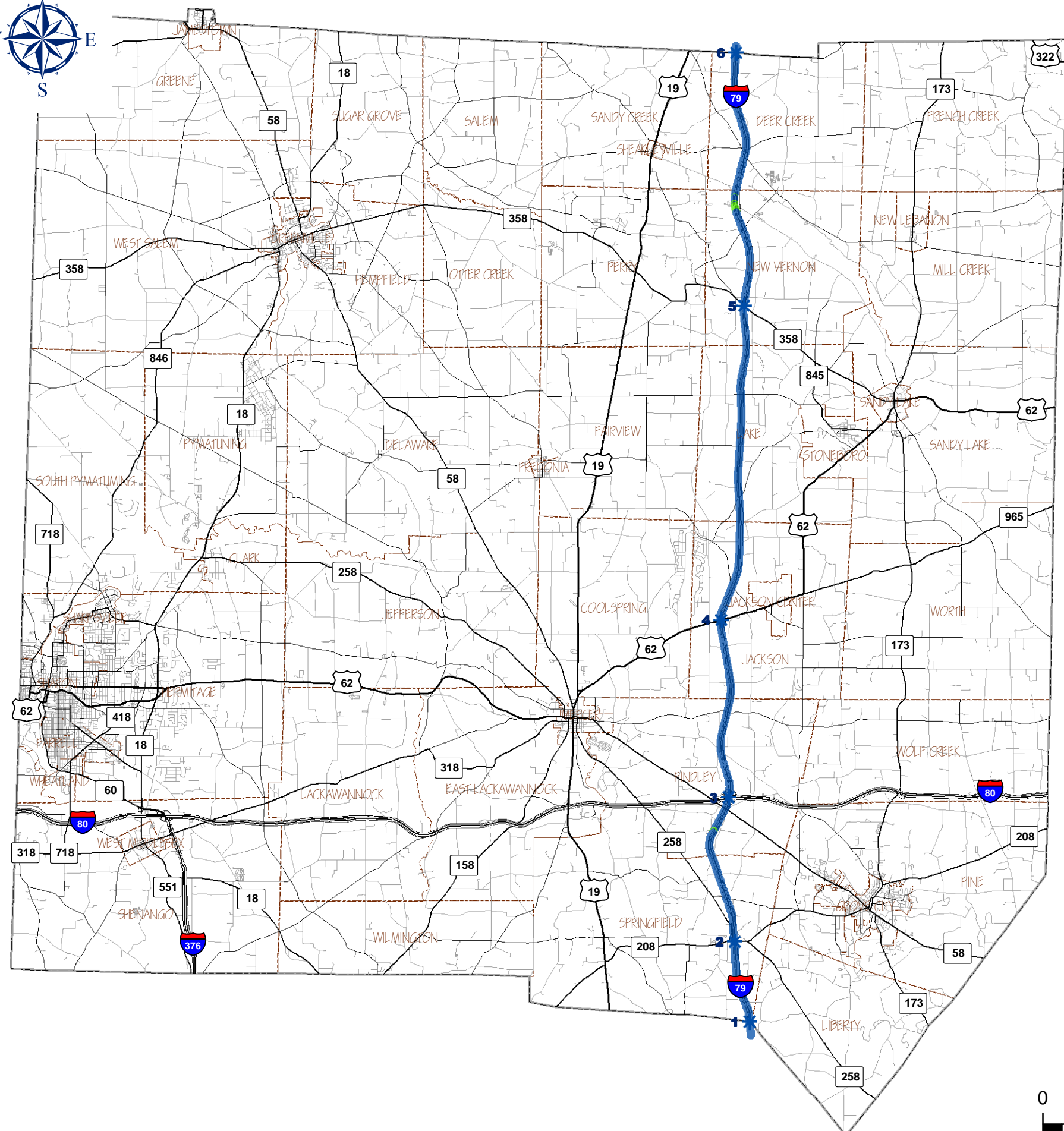


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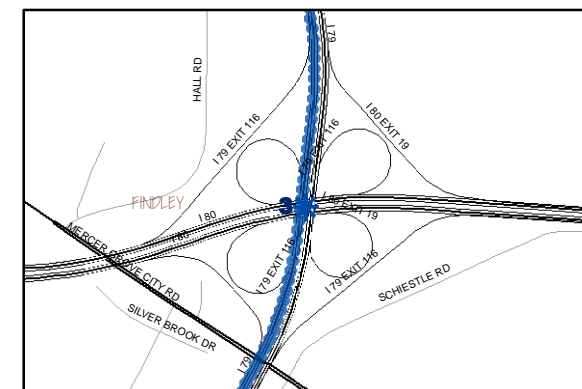
I-79 (County-Wide)
 Speed Display Diagram for
 Typical Weekday PM Peak (NB)

Mercer County Regional Planning Commission
 Planning for Livable Communities

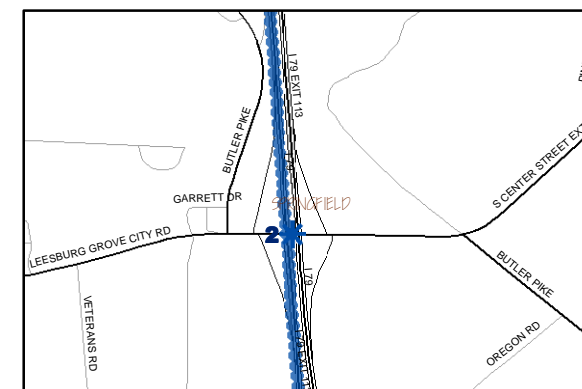
Corridor #102
 Revised 04/27/10



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Detail 2 - I-80 Interchange (N.T.S.)



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I-79 (County-Wide)
Speed Display Diagram for
Typical Weekday PM Peak (SB)

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Revised 04/27/10