

Corridor 1: Kirkwood Highway: Wilmington to Newark

Progress in Traffic Responsive Signalization (TRS) Implementation

Implementation	Progress
Timing Improvements Implemented	Timing improvements implemented; corridor still being monitored.
Traffic Monitoring Equipment Installed	
Signals Brought Online w/ TMC	
Signal Software Upgrades	
Converted to Traffic Responsive System (TRS)	-

Mean Travel Times

East Bound

AM: 21.1 min

PM: 22.4 min

West Bound

AM: 20.3 min

PM: 25.3 min

Peak Volume Based LOS

(Vehicles per Hour)

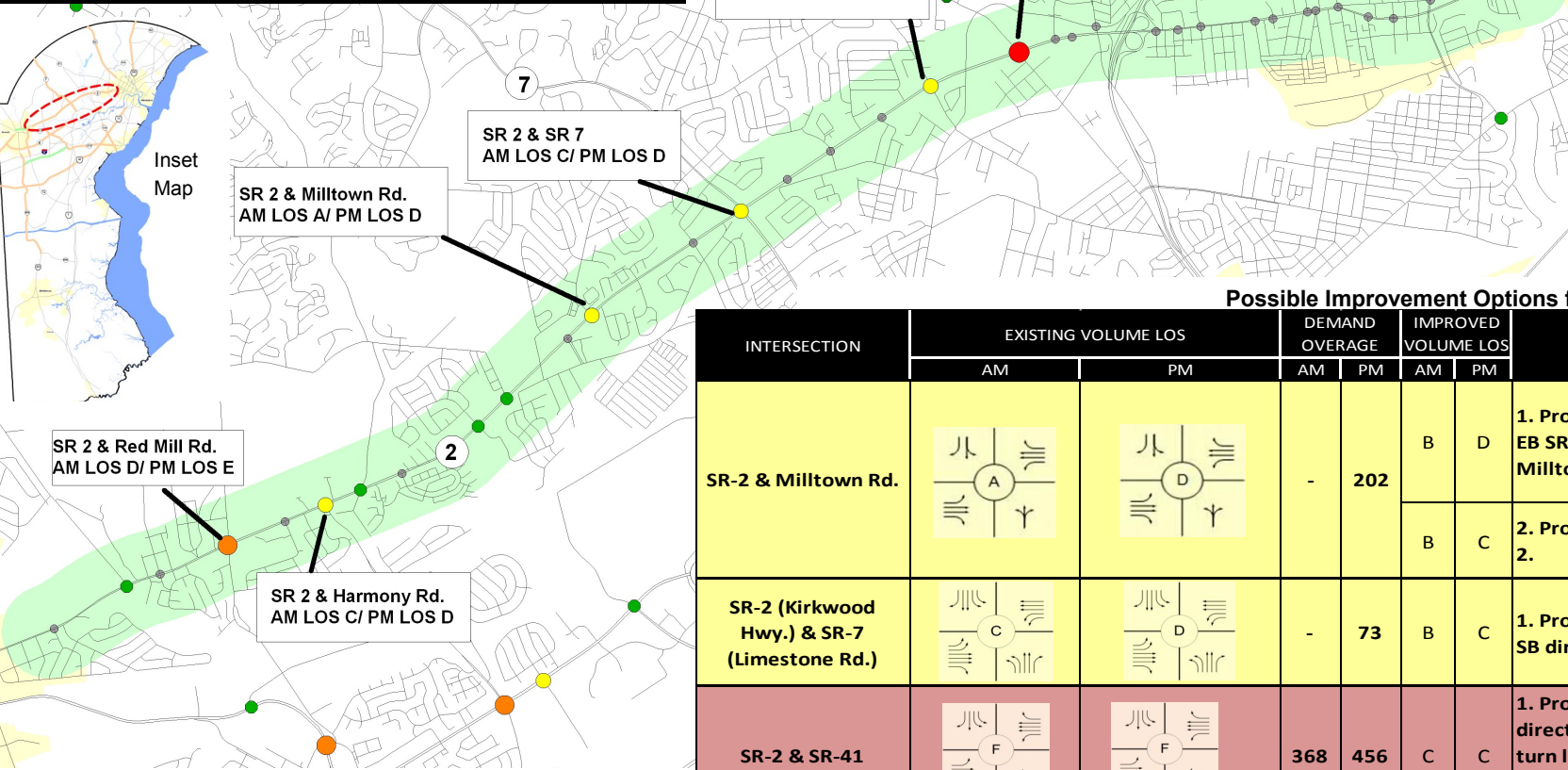
LOS C: Under 1,300 veh/hr.

LOS D: 1,300-1,450 veh/hr.

LOS E: 1,450 - 1,600 veh/hr.

LOS F: More than 1,600 veh/hr.

Other signals along corridor



Capital Projects Along Corridor

INTERSECTION	STATUS
SR-2 & Milltown Rd.	No planned/programmed improvements. Possible signal improvement option(s) listed below.
SR-2 (Kirkwood Hwy.) & SR-7 (Limestone Rd.)	Intersection monitored through Churchman's Crossing Area Study. Possible signal improvement option(s) listed below.
SR-2 & SR-41	No planned/programmed improvements. Possible signal improvement option(s) listed below.
SR 2 & Duncan Rd.	Subject to possible developer funded improvement (Wawa Traffic Impact Study).
SR 2 & Harmony Rd.	Has been studied but currently not funded in TIP/CTP. Intersection monitored through Churchman's Crossing Area Study.
SR 2 & Red Mill/Polly Drummond Rd.**	Identified in the Highways Safety Improvement Program (HSIP). \$5.9 million, scheduled for construction FY 2019.

Possible Improvement Options for Priority Intersections

INTERSECTION	EXISTING VOLUME LOS		DEMAND OVERAGE		IMPROVED VOLUME LOS		OPTIONS	COMMENTS
	AM	PM	AM	PM	AM	PM		
SR-2 & Milltown Rd.			-	202	B	D	1. Provide dual left turn lanes for EB SR 2 vehicles turning left on to Milltown Rd.	1. Left turn volumes exceed 300 VPH in both peak periods.
					B	C	2. Provide 3 thru lanes for WB SR 2.	2. Adding a 3rd thru lane in the EB direction provides a modest benefit in the AM (LOS B to LOS A) but no benefit in the PM peak.
SR-2 (Kirkwood Hwy.) & SR-7 (Limestone Rd.)			-	73	B	C	1. Provide 3 thru lanes for NB & SB direction.	1. Intersection already has dual left turns all the way around and 3 thru lanes on Kirkwood Hwy. (DE 2).
SR-2 & SR-41			368	456	C	C	1. Provide 4 thru lanes in EB & WB direction (currently 3 thru), 3 left turn lanes SB, 2 thru lanes SB, 1 thru lane NB (currently shared L/LT).	1. Trying to pick and choose the improvements to get to a LOS D did not work because something that helped in the AM did not help in the PM and vice versa. So all improvements are shown in one CMS.
SR 2 & Duncan Rd.			-	20	A*	C	1. Provide exclusive EB/WB right turn lanes on SR 2.	