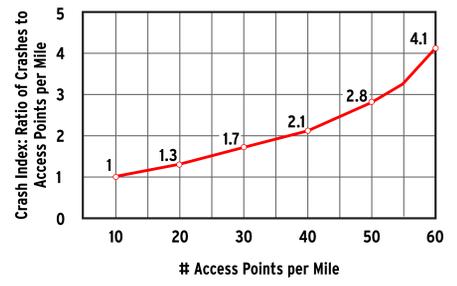


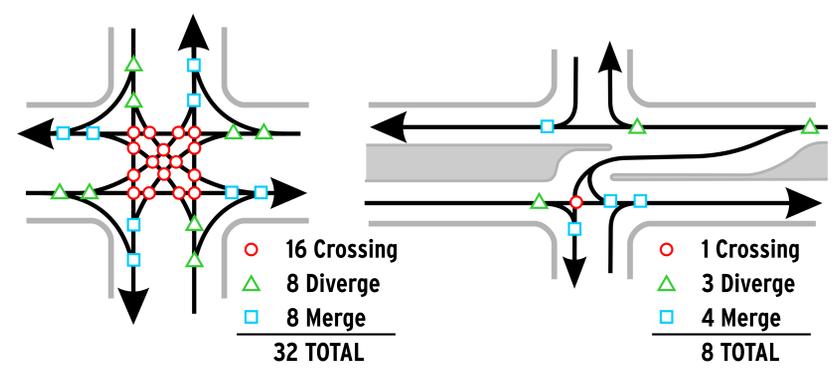
RICHMOND HIGHWAY (U.S. ROUTE 1) CORRIDOR IMPROVEMENTS ACCESS MANAGEMENT PRINCIPLES

Composite Crash Rate Indices

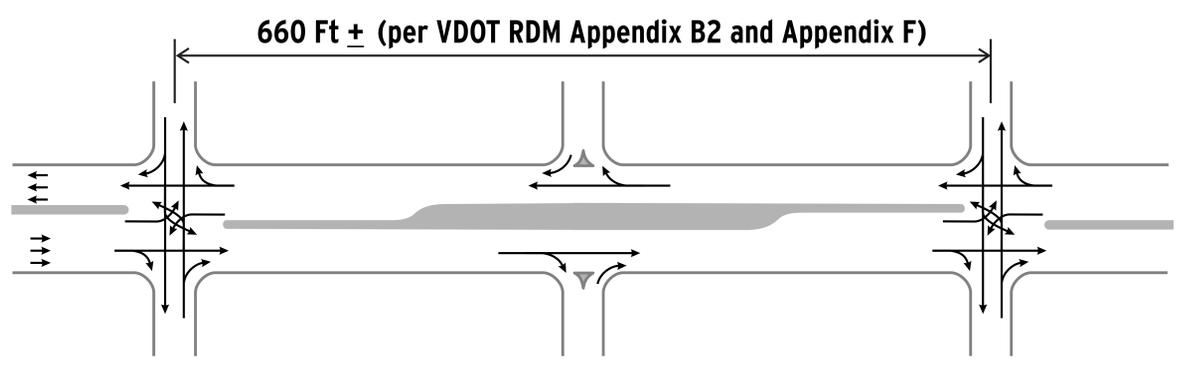
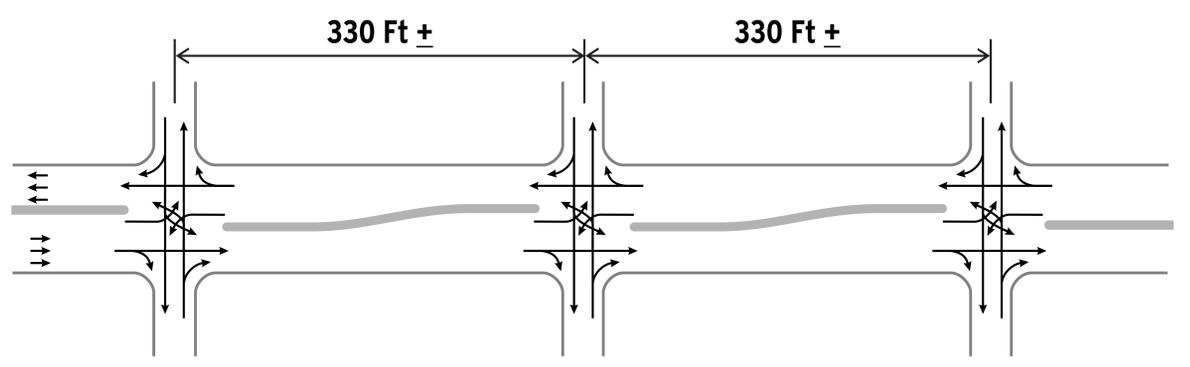
Crash rate indices increase as # of access points per mile increases



INCREASE IN CRASH RATES ASSOCIATED WITH ACCESS POINTS



CONFLICT POINT DIAGRAM



IMPACT OF SIGNAL SPACING REQUIREMENTS ON ACCESS



EXAMPLE IMAGES OF ACCESS MANAGEMENT TREATMENTS