

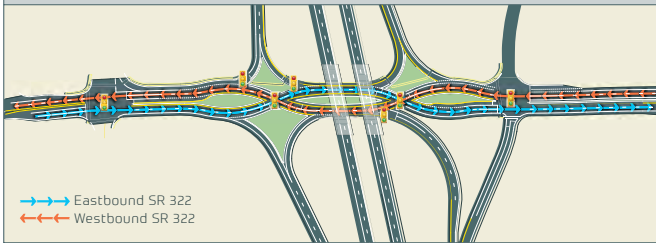
HOW A DIVERGING DIAMOND INTERCHANGE WORKS

OVERVIEW

A diverging diamond interchange (DDI) is unique from a standard diamond interchange in that traffic on the minor road (SR 322) crosses to the left side of the road at signalized intersections prior to the major road (SR 222). This allows for direct left turns to/from the SR 222 ramps. Traffic on the minor road (SR 322) crosses back to the right side of the road at the far side signalized intersection.

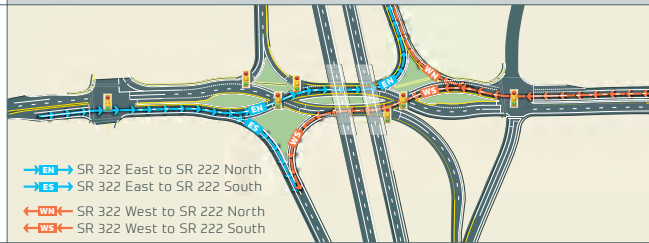
The DDI configuration has several safety and operational advantages over a standard diamond interchange. Due to the crossover path along the minor road, there are fewer crossing (and total) conflict points than a standard diamond interchange which reduces the crash rate and potential for high severity crashes. The configuration of the DDI only requires 2 phases per signal cycle versus 3 phases in a standard diamond interchange. This allows the DDI to provide more green time to traffic which leads to an increase in overall capacity and can mitigate the potential for congestion.

SR 322 THROUGH MOVEMENTS



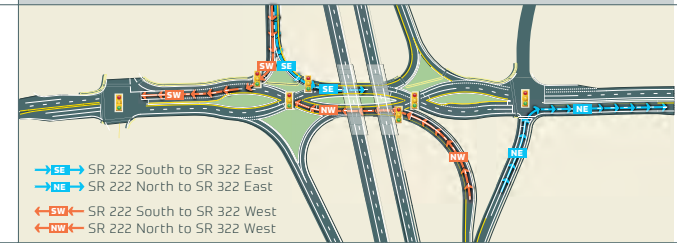
Traffic on the minor road (SR 322) crosses to the left side of the road at a signalized intersection prior to the major road (SR 222). Traffic on the minor road (SR 322) crosses back to the right side of the road at the far side signalized intersection.

SR 322 TO SR 222 MOVEMENTS



Traffic on the minor road (SR 322) can turn right prior to the near side signalized intersection (movements 2 & 3) or turn left prior to the far side signalized intersection (movements 1 & 4) to access the major road (SR 222) on-ramps.

SR 222 TO SR 322 MOVEMENTS



Traffic on the major road (SR 222) off-ramps can turn right directly onto the minor road (SR 322, movements 2 & 3) or turn left at the near side signalized intersection directly onto the minor road (SR 322, movements 1 & 4)