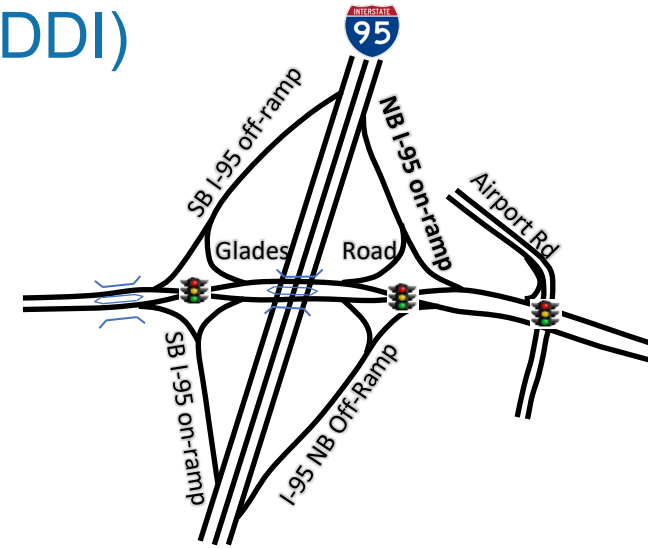




Glades Road Diverging Diamond Interchange (DDI)

- The project, located within the City of Boca Raton, reconfigured the SR 808/Glades Road at SR-9/I-95 interchange from a partial cloverleaf to a DDI to improve traffic operation, reduce congestion and increase safety. Improvements along Glades road between Renaissance Way and West University Drive included: widening two bridges over I-95 and one over Military Trail/South Florida Rail Corridor (SFRC), a new pedestrian bridge over I-95, roadway widening, drainage, lighting, signalization, and Intelligent Transportation Systems (ITS) construction.





Glades Road Diverging Diamond Interchange (DDI) Successful Collaboration – FDOT, Design-Build Firm, CEI, Owner's Representative





Glades Road DDI Innovation – Cost Savings

- Enhanced motorist/pedestrian/bicyclist safety and reduction of overall conflict points (14 for DDI, 26 for conventional diamond).
- Elimination of auxiliary lane widening along I-95 Mainline beneath Glades Road due to the elimination of proposed loop ramps from RFP Concept.
- Reduction of signal phases at ramp terminal intersections. Crossover intersections allow motorists to enter Interstate via free-flow movements.
- Comprehensive pavement marking and signage plan to ensure all users understand proper lane guidance in advance of the required movement(s).
- Eliminated ramp flyover bridge over Airport Road
- Eliminated bridge widening for Glades Road EB & WB bridges over I-95 and EB bridge over Military Trail / SFRC
- Eliminated 0.38 Acres of R/W acquisition from the Boca Raton Water Treatment Plant Property





Glades Road DDI Challenges – Opportunities

- Material shortages: worked with the City of Boca Raton to “borrow” from their backup inventory refurbishing their inventory with newer equipment procured for the project.
- Relocation of existing lighting infrastructure: worked with D4 to provide a temporary and permanent design that provided pole locations to maintain illumination levels in the final roadway configuration. Contractor installed the underground conduit provided by FPL to accelerate the removal and installation of the new FPL lighting infrastructure.
- Stakeholder outreach strategies to gain stakeholder consensus included 32-hour mobile billboard drive throughs/media blitz with educational videos/walking door to door/media days/social media blasts/attending other public events.

