



BUILDING A BETTER I-4

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FUTURE IMPROVEMENTS AT INTERSTATE 4 (I-4) AND SAND LAKE ROAD (STATE ROAD 482) INTERCHANGE

More than 70,000 vehicles travel Sand Lake Road each day at the I-4 interchange. To accommodate current traffic and future needs, a reconfigured interchange is scheduled to begin construction in 2020, as part of the I-4 Beyond the Ultimate project.

1

Reconfiguring the interchange as a modified diverging diamond under I-4 eliminates turns to or from I-4 ramps across oncoming traffic on Sand Lake Road. Decreasing the number of conflict points makes the interchange safer. The diverging diamond interchange (DDI) also is more efficient as it creates shorter traffic signal cycles. See the reverse side for more information about a diverging diamond.

2

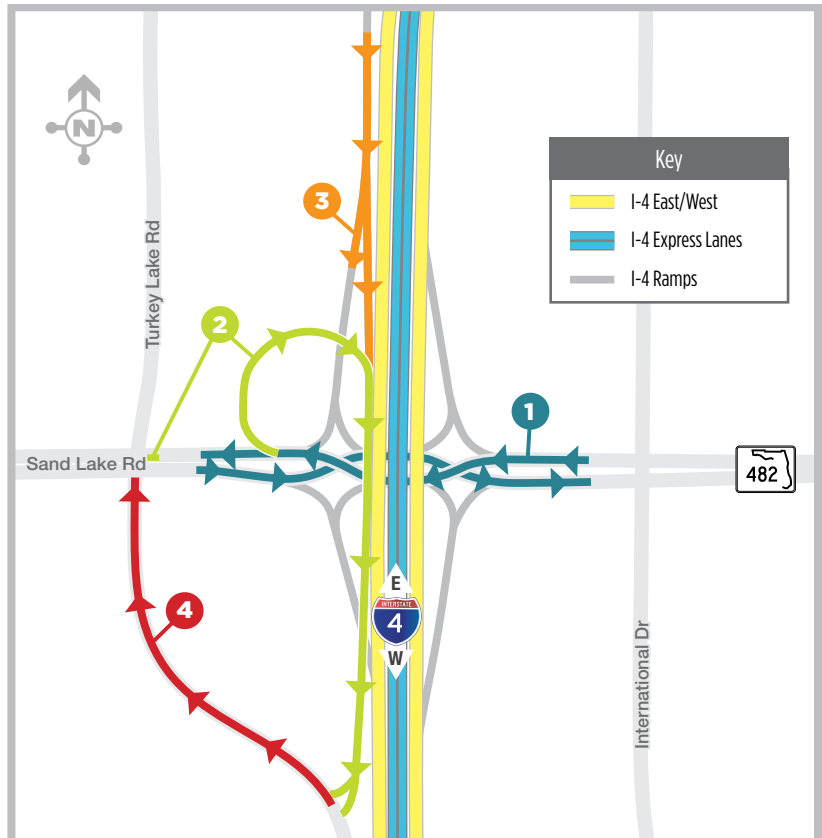
The interchange at Sand Lake Road is a modified version of the DDI because it includes a loop access ramp from westbound Sand Lake Road to Turkey Lake Road at an alternative location to existing Sand Lake and Turkey Lake roads intersection. Motorists traveling westbound on Sand Lake Road will no longer be able to turn left onto Turkey Lake Road at the existing intersection. Instead, after exiting the diverging diamond, they can take an access ramp on the right. It will loop around, pass over Sand Lake Road and lead to south of the Phillips Crossing Shopping Center where a new intersection with Turkey Lake Road will be created. From the end of the access ramp, motorists can choose to travel north or south on Turkey Lake Road.

3

Westbound I-4 exit ramp separates into two ramps; one to Sand Lake Road and one to Turkey Lake Road.

4

Adding a third lane on northbound Turkey Lake Road between Sand Lake Road and the access ramp.



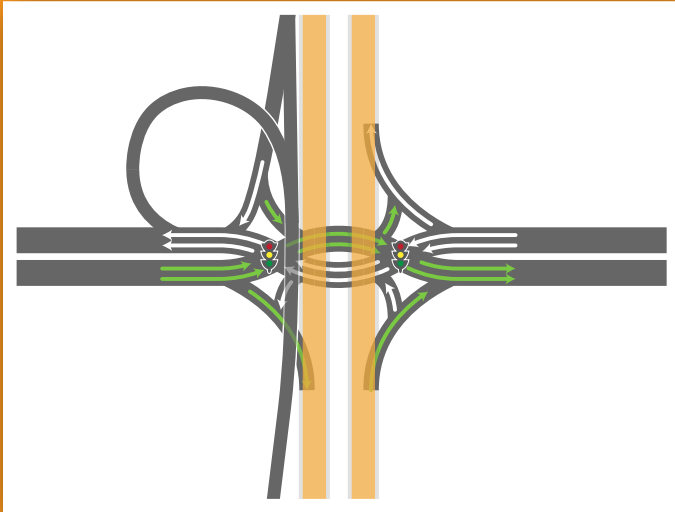
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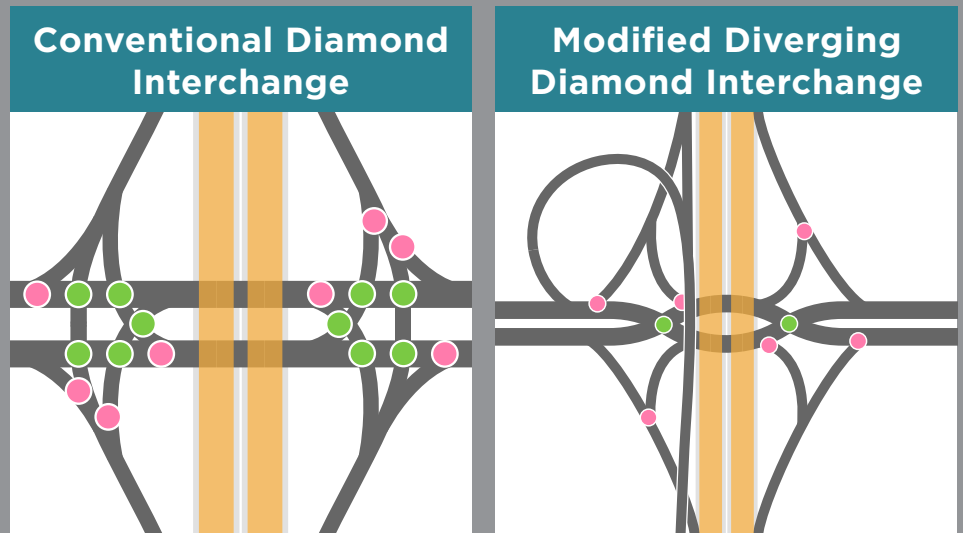
Modified Diverging Diamond Interchange Moves Traffic Efficiently



The modified diverging diamond interchange (DDI) eliminates left turn lanes at traffic signals, which reduces the traffic signal phases from four to two allowing to move almost double the traffic through the intersection in the same time.

Modified DDI Reduces Conflicts

The modified DDI reduces conflict points and allows left turns that do not cross oncoming traffic. When compared to a conventional diamond interchange, the modified DDI reduces the number of conflicts of crossing and merging traffic by more than half.



	Conventional Diamond Interchange	Modified Diverging Diamond Interchange
● Crossing	10	2
● Merging	8	6
Total	18	8