



BUILDING A BETTER I-4

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REDESIGNED I-4 INTERCHANGE IMPROVEMENTS AT COLONIAL DRIVE (S.R. 50)

When the I-4 Ultimate construction is complete, a new Colonial Drive (State Road 50) interchange will redefine traffic flow in the area.

1

Adding an acceleration lane on eastbound I-4 from Colonial Drive to Princeton Street improves the capacity of the I-4 general use lanes.

2

The entrance ramp from Colonial Drive to eastbound I-4 now occurs north of Colonial Drive.

3

Garland Avenue, between Colonial Drive and Orange Avenue, switches from two-way traffic to northbound only. Southbound access on Garland Avenue from Orange Avenue remains for the Gateway Center parking lot.

4

Reconfiguring the entrance ramp from Garland Avenue north of Amelia Street to eastbound I-4 allows traffic to fly over the Colonial Drive interchange with direct access to eastbound I-4.

5

An eastbound exit ramp off I-4 will allow motorists to turn left onto Colonial Drive.

6

Adding an entrance ramp from Hughey Avenue to westbound I-4 provides access from eastbound and westbound Colonial Drive.

7

Reconfiguring the interchange as a single-point urban interchange (SPUI) under I-4 allows all left-hand traffic movements to be controlled by a single traffic signal, reducing the number of signals and improving traffic flow. Lanes on Colonial Drive will be wider (11 feet wide).



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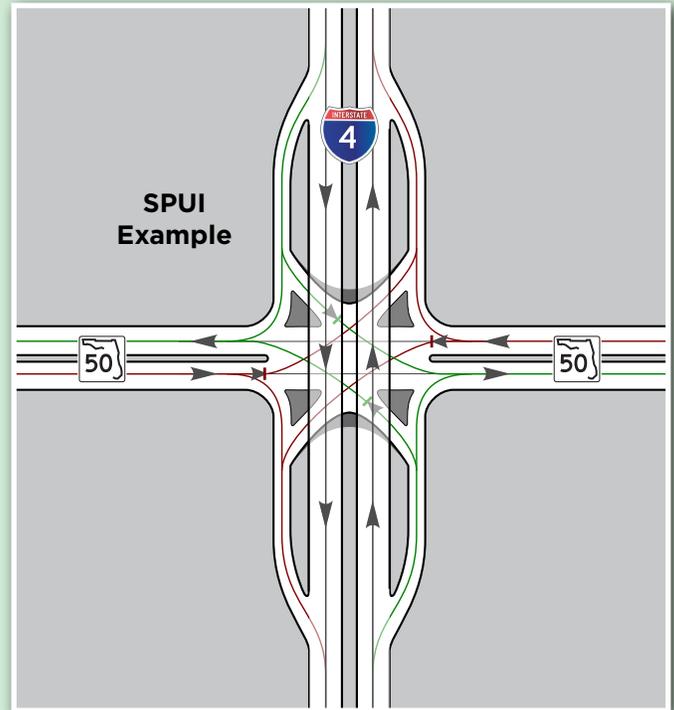
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CHANGES TO I-4/COLONIAL DRIVE (STATE ROAD 50) INTERCHANGE



The current I-4/Colonial Drive restricts movements and traffic capacity. By replacing the loop ramps from westbound Colonial Drive to westbound I-4 and eastbound Colonial Drive to eastbound I-4 it will provide more direct access to I-4. By reconfiguring the interchange to a single-point urban interchange (SPUI) it will accommodate more vehicles.

WHAT IS A SINGLE POINT URBAN INTERCHANGE?



A single-point urban interchange (SPUI) is a type of interchange that is used to safely and efficiently move large traffic volumes through an intersection with limited amount of space. A SPUI allows opposing left turns to proceed simultaneously in one single intersection over or under the free-flowing road — the I-4 Ultimate project will have examples of both of these Colonial Drive will have a SPUI under I-4 and State Road 436 will have a SPUI above I-4.

The name “single-point” refers to the fact that all through traffic on the arterial street, as well as the traffic turning left onto or off the interchange, can be controlled from a single set of traffic signals. Due to the space efficiency of SPUIs relative to the volume of traffic they can handle, the interchange design is often used in dense urban environments where space is at a premium.



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