



BUILDING A BETTER I-4

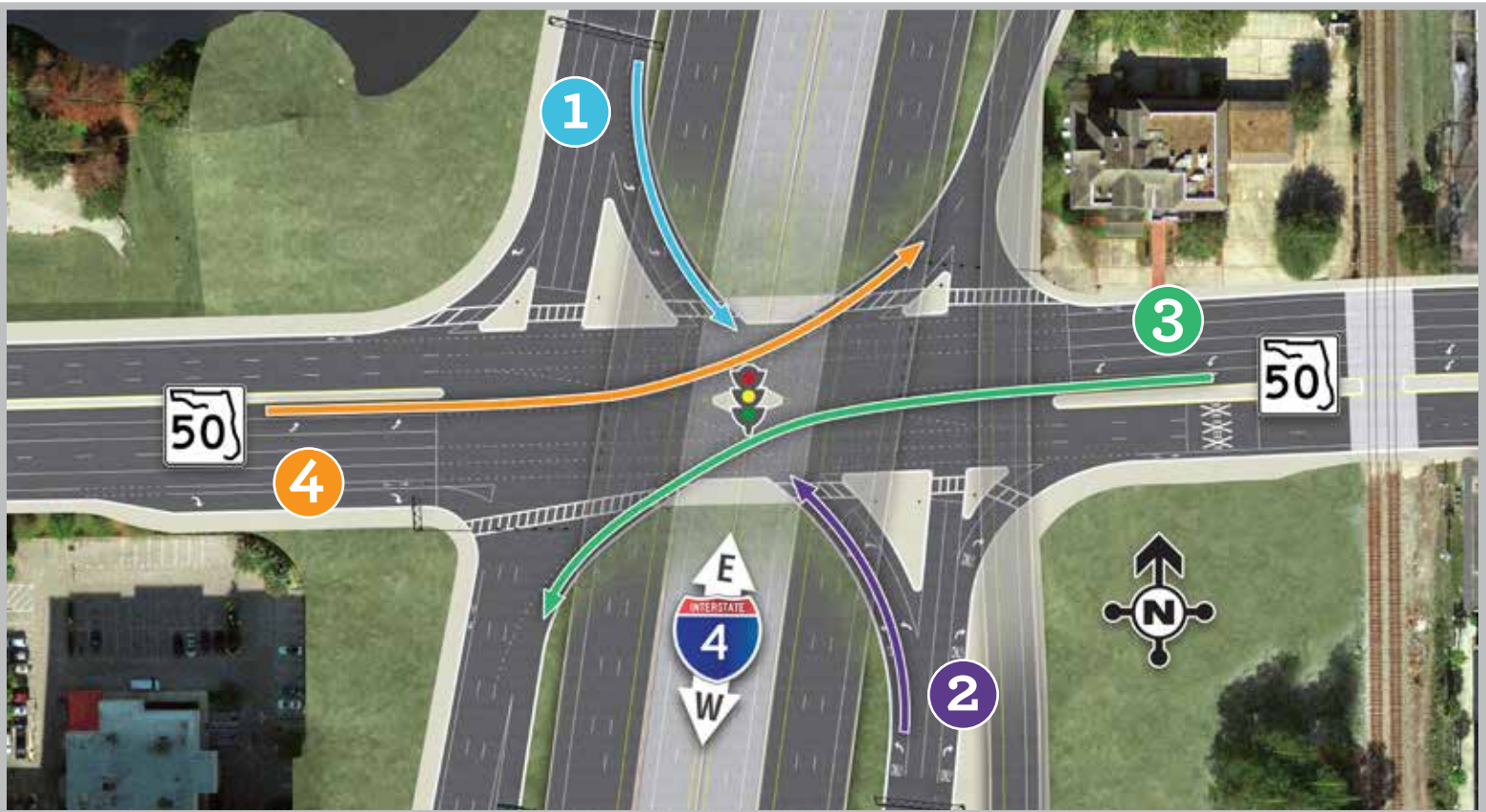
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NEW MOVEMENT OPENING AT COLONIAL DRIVE

The Florida Department of Transportation (FDOT) is opening a Single-Point Urban Interchange (SPUI) at Colonial Drive (State Road 50) as soon as the morning of Tuesday, December 22.

This new interchange configuration improves traffic flow with centrally located signals, under I-4, controlling all left-hand turns. SPUIs maximize available space and allow vehicles to pass through an interchange more efficiently.



1 Westbound I-4 motorists exiting to eastbound Colonial Drive

3 Westbound Colonial Drive motorists entering westbound I-4

2 Eastbound I-4 motorists exiting to westbound Colonial Drive

4 Eastbound Colonial Drive motorists entering eastbound I-4

PROJECT INFO

The \$2.3 billion I-4 Ultimate project is reconstructing 21 miles of interstate from west of Kirkman Road to east of State Road 434 in Longwood. For more information about I-4 Ultimate, contact David Parks, I-4 Ultimate Community Outreach Specialist, at 844-ULT-INFO (844-858-4636) or DavidParks@i4Ultimate.com.



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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

A new eastbound exit ramp from I-4 allows motorists to turn left onto Colonial Drive. A movement not possible before I-4 Ultimate.

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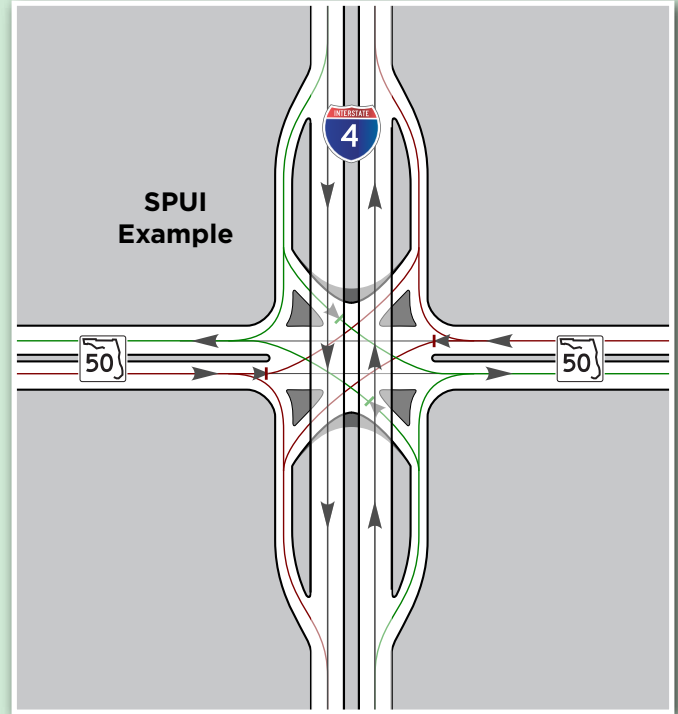
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CHANGES TO I-4/COLONIAL DRIVE (STATE ROAD 50) INTERCHANGE



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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