

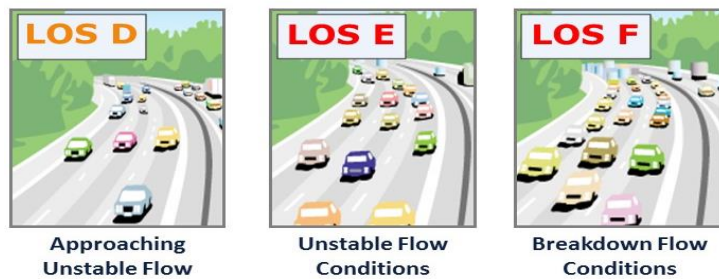
**WHY DO WE NEED THIS STUDY?**

SR 9/I-95 at SR-804/Boynton Beach Boulevard Interchange

The Level of Service (LOS) at the interchange ramps during peak hours have deteriorated to LOS F under existing conditions. Many of the individual turning movements at the intersections (which include the approaches to SR 9/I-95) are expected to operate at a LOS F during peak periods due to future population growth. Without the proposed improvements, the intersections will continue to experience delays and queuing, and will operate below acceptable LOS standards. Interchange improvements are anticipated to help vehicles move more freely, and reduce the delays at the intersections and interchange ramps to avoid traffic back-ups and help improve safety. There is also a lack of bicycle and pedestrian facilities.

**WHAT DOES LEVEL OF SERVICE (LOS) MEAN?**

Level of service (LOS) is a quality measure describing operational conditions of roadway facilities. LOS classifications are designated from LOS A to LOS F, with LOS A representing the best operating conditions and LOS F representing the worst. Operational conditions considered in an LOS classification include speed and travel time, freedom to maneuver, traffic interruptions, and comfort and convenience.



SR 9/I-95 at Gateway Boulevard Interchange

Under the existing conditions, all of the intersections within the study area operate at a LOS E or better, with the exception of the SR 9/I-95 southbound ramp intersection at Gateway Boulevard. If no improvements are made by 2040, all of the Gateway Boulevard intersections (except the Quantum Village intersection) will continue to experience excessive delays and queuing, and will operate below acceptable LOS standards during peak periods. Improvements are anticipated to provide additional through lanes, turn lanes and lane assignment signs, to help reduce conflict points and occurrence of collisions at the SR 9/I-95 at the Gateway Boulevard Interchange. There is also a lack of bicycle and pedestrian facilities.

**PROJECT SCHEDULE**

The study began in September 2015 and is anticipated to be completed in December 2017. What's next?

- Finalize the initial alternatives screening
- Complete the environmental documents: Air and Noise, Endangered Species, Cultural Resources, Contamination Screening
- Continue to analyze selected viable alternatives
- Develop a recommended alternative based on a comparative evaluation and input from local officials, agencies, stakeholders and other interested persons
- Conduct a Public Hearing and present recommended alternatives and environmental documents
- Select a preferred alternative
- Submit documents to the Federal Highway Administration for Location Design Concept Acceptance

**KEY PROJECT MILESTONES**

|                              |                    |
|------------------------------|--------------------|
| Project Start                | September 3, 2015  |
| Public Kick-off Meeting      | September 17, 2015 |
| Alternatives Public Workshop | July 28, 2016      |
| Public Hearing               | September 2017*    |
| Study Completion             | December 2017*     |

*\* Subject to Change*

**THANK YOU**

Thank you for your participation in this public workshop. FDOT remains committed to working with all project stakeholders. Here are some ways you can submit written comments, or make a comment on the website:

- Complete a written comment form and drop it in the comment box provided at the public workshop.
- Mail or email your comments to the FDOT Project Manager, Thuc Le, at the address provided on Page 1.

**YOU'RE INVITED TO AN ALTERNATIVES PUBLIC WORKSHOP**

The Florida Department of Transportation (FDOT), District Four, is holding an Alternatives Public Workshop for the Project Development and Environment (PD&E) Study for SR 9/I-95 at the SR 804/Boynton Beach Boulevard Interchange and SR 9/I-95 at the Gateway Boulevard Interchange.

Date: Thursday, July 28, 2016  
 Time: 5:30 p.m. to 7:30 p.m.  
 Location: The Inn at Boynton Beach  
 480 West Boynton Beach Boulevard  
 Boynton Beach, Florida 33435

The purpose of this meeting is to give interested persons an opportunity to comment and provide input on the transportation improvement alternatives the Department has developed at this point in the study.

The Alternatives Workshop will begin as an open house at 5:30 p.m. with a short presentation at 6 p.m., followed by a question and answer period.

**CONTACT US**

We encourage you to take an active part in this PD&E Study. You may contact the FDOT Project Manager for more information:

Thuc H. Le, P.E.  
 Florida Department of Transportation, District Four  
 3400 West Commercial Boulevard  
 Fort Lauderdale, Florida 33309  
 Phone: 954-777-4552  
 Toll free: 1-866-336-8435 ext. 4552  
 Email: [thuc.le@dot.state.fl.us](mailto:thuc.le@dot.state.fl.us)

Review project information and sign up to be added to the mailing list on our website at [www.95gatewayboynton.com](http://www.95gatewayboynton.com), or connect with us on Twitter, Facebook, or YouTube.

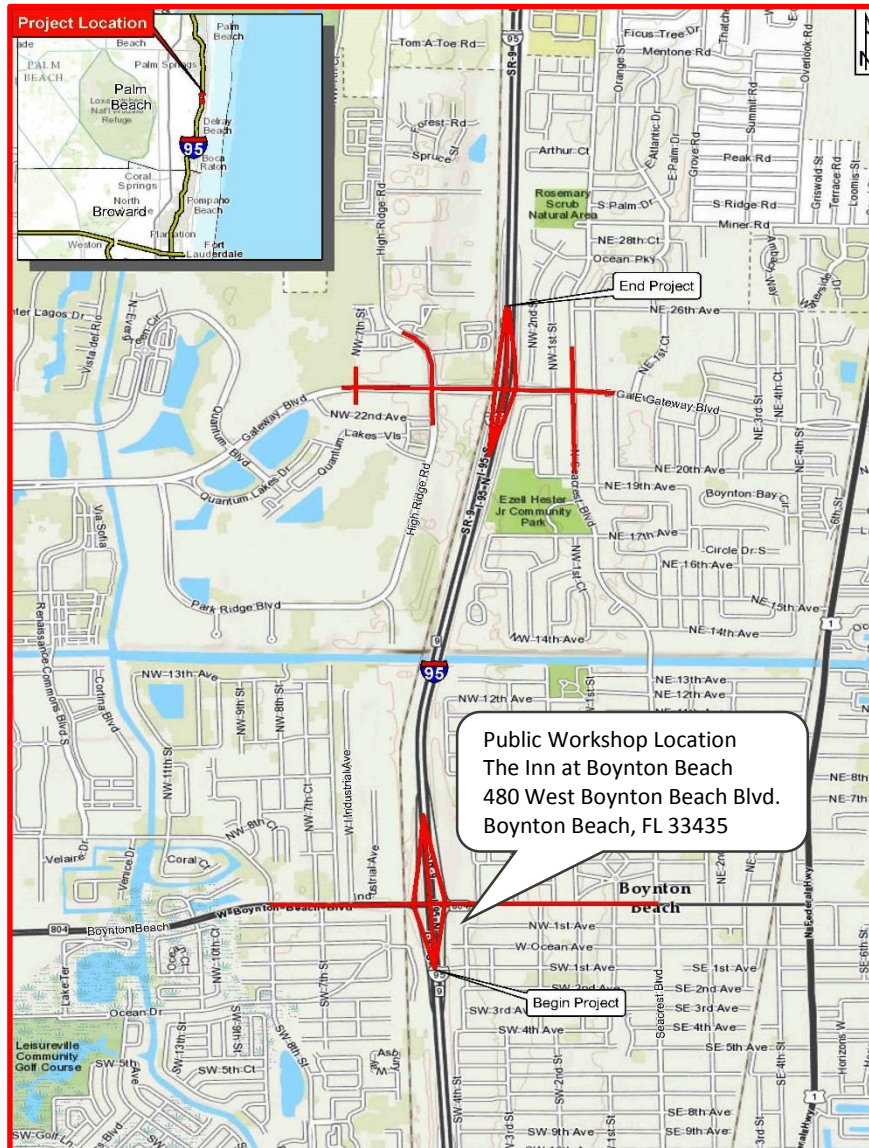


**WHY IS A PD&E STUDY NEEDED?**

A PD&E Study is the process followed by FDOT to evaluate social, economic and environmental impacts associated with a planned transportation improvement project. The process, mandated by the National Environmental Policy Act (NEPA), is a combined effort by professional engineers, planners, environmental scientists and others who analyze the project related information to develop the best alternative for a community's transportation needs.



At the beginning of the Alternatives Analysis, the FDOT developed a number of different alternatives for each interchange, which were called the Tier I Concept Alternatives. These alternatives were then evaluated using criteria such as design standards, potential community and environmental impacts, and costs. Alternatives with the most impacts have been deemed non-feasible and have been removed from the study. The three remaining alternatives (Tier II Concept Alternatives) are being further evaluated to determine the best option for transportation improvements, which will be submitted to the Federal Highway Administration for approval at the end of the study.



The study area is located in eastern Palm Beach County within the City of Boynton Beach. At SR 804/Boynton Beach Boulevard, the study area extends from SW 8<sup>th</sup> Street/Old Boynton Road to east of Seacrest Boulevard. At Gateway Boulevard, the study area extends from west of NW 7<sup>th</sup> Street to east of Seacrest Boulevard. The purpose of the study is to enhance overall traffic operations and improve safety at the existing interchanges to accommodate projected travel demand.

**Public Notice:**  
Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability, or family status. Persons who require special accommodations under the Americans with Disabilities Act or persons who require translation services, free of charge, should contact Thuc H. Le, P.E., FDOT Project Manager by phone at 954-777-4552, or toll free at 1-866-336-8435 ext. 4552, or by email at [thuc.le@dot.state.fl.us](mailto:thuc.le@dot.state.fl.us) at least seven days prior to the meeting. If you are hearing or speech impaired, please contact us by using the Florida Relay Service, 1-800-955-8771 (TDD) or 1-800-955-8770 (voice).

## ALTERNATIVES

### No Build

- ◆ No improvements to existing conditions or infrastructure.

### Transportation Systems Management and Operations (TSM&O)

- ◆ No capacity improvements
- ◆ Utilizes existing infrastructure and roadway geometry
- ◆ Efficient use of existing system through:
  - Signal timing optimization
  - Coordinated signal systems
  - Optimizing splits and offsets for signals

TSM&O Alternative alone cannot provide the required Level of Service (LOS) and intersection operational improvements to serve future traffic needs.

### Boynton Beach Boulevard – Build Alternatives

**Alternative 1:** Concept Development Alternative (CDA) - Developed as part of the I-95 Master Plan

**Alternative 2:** Streamlined CDA – enhancements or modifications to the CDA

**Alternative 3:** Single Point Urban Interchange (SPUI) - Consolidates two ramp terminal signals into a single intersection

### Gateway Boulevard – Build Alternatives

**Alternative 1:** Concept Development Alternative (CDA) - Developed as part of the I-95 Master Plan

**Alternative 2:** Streamlined CDA – enhancements or modifications to the CDA

**Alternative 3:** Single Point Urban Interchange (SPUI) - Consolidates two ramp terminal signals into a single intersection

## PEDESTRIAN AND BICYCLE IMPROVEMENTS UNDER DISCUSSION

Potential pedestrian and bicycle improvements are being considered and are under review at both interchanges. They include:

- ◆ Enhanced pedestrian crosswalks at all crossings
- ◆ Improved pedestrian signage at crosswalk locations
- ◆ Lighting improvements such as Rectangular Rapid Flash Beacons (RRFB) or High Intensity Activated Crosswalk (HAWK) Beacons
- ◆ 7-foot bike lanes separated from the traffic by a buffer



### RECTANGULAR RAPID FLASH BEACONS

Rectangular Rapid Flash Beacons (RRFB) are flashing warning lights that are push-button activated by a pedestrian or activated by a pedestrian detection system as a person walks by. They are typically used at unsignalized intersections or mid-block crosswalks.

- ◆ RRFBs use an irregular flash pattern that is similar to emergency flashers on police vehicles
- ◆ RRFBs may be installed on either two-lane or multi-lane roadways



### HIGH INTENSITY ACTIVATED CROSSWALKS (HAWK)

High Intensity Activated Crosswalks (HAWK) use an illuminated traffic control device to stop road traffic and allow pedestrians to cross safely. The beacon, mounted above or beside the road, consists of two red lenses above a single yellow lens.

The HAWK beacon is not illuminated until it is activated by a pedestrian. A pedestrian signal then indicates it is safe for pedestrian to cross while traffic is stopped.

### ESPAÑOL

Si necesita servicios de traducción en español (gratis), póngase en contacto con el administrador de proyecto de FDOT, Thuc Le, P.E., por teléfono (954) 777-4552, llame gratis al (866) 336-8435, ext. 4552, o por correo electrónico a [thuc.le@dot.state.fl.us](mailto:thuc.le@dot.state.fl.us).

### PANYÒL

Si w bezwen tradiksyon an Panyòl (gratis), tanpri kontakte Thuc Le, P.E., Manadjè pwojè a nan FDOT, telefòn li se (954) 777-4552, telefòn gratis (866) 336-8435, estansyon 4552, oubyen voye imel ba li nan adrès imel li [thuc.le@dot.state.fl.us](mailto:thuc.le@dot.state.fl.us).