

## **Projects Under Study and Design (Planned, PES, PD&E, and Design)**

### **C-468 PES**

A Preliminary Engineering Study (PES) was completed for C-468, from US 301 to 600 feet east of Florida's Turnpike. The purpose of the PES was to determine the future typical section and alignment for the roadway based on future traffic volumes, environmental analysis, and right-of-way needs. The study includes transportation modeling to determine design year 2035 traffic volumes, drainage and pond sitting analysis, environmental exploration, and preparation of engineering drawings and a conceptual design roadway plan for the proposed roadway alternative. The project includes public input through community meetings and presentation to the Sumter County Board of County Commissioners. The preferred roadway alternative includes a four-lane, divided urban typical section. A transition to a suburban typical section with four lanes and a divided median will begin at CR 505. The roadway will have a closed drainage system, 4-ft paved bicycle lanes, and 5-ft sidewalks in each travel direction. The proposed typical section will increase capacity and improve traffic operations for the corridor. A formal Preliminary Engineering Study report was prepared that summarizes the engineering analysis and presents the recommended roadway alternative, and approved by the Board of County Commissioners.

### **C-470 PES**

The Preliminary Engineering Study is now complete, with the final recommendations being accepted by the Board of County Commissioners on 2/22/2011 as part of the regular BOCC Meeting. The study was focused on the identification of long term transportation needs along C-470 within the 9.5-mile corridor from Interstate 75 to the Lake County line just west of Florida's Turnpike. The recommended improvements identified as a result of the study process involve widening the existing C-470 to four lanes between I-75 and US 301. This involves a suburban typical section in 160-ft of right-of-way and a slight realignment of the curves just east of the I-75 interchange. Along US 301 between the two offset intersections with C-470, the existing US 301 would be widened to a six lane urban roadway within right-of-way of approximately 165-ft. Between US 301 and the Lake County Line, the existing C-470 will be widened to four lane rural roadway within 200-ft of right-of-way. Paved shoulders and/or designated bicycle lanes, sidewalks and a 15-ft multi-use trail / pathway have also been incorporated to accommodate pedestrians and other non-motorized uses. The overall cost of the project has been estimated at \$85 Million, and involves just over 120 acres of new right-of-way, no business displacements or residential relocations, and 3.2 acres of wetland impacts. At this time, the County is looking at opportunities for phasing the future implementation of the recommended improvements, as well as trying to identify funding for a future design phase.

### **C-466 PES**

A Preliminary Engineering Study (PES) was completed for C-466W, from C-475 to US 301. The purpose of the PES study was to determine the future typical section and alignment for the roadway based on future traffic volumes, environmental analysis, and right-of-way needs. The study includes transportation modeling to determine design year 2035 traffic volumes, drainage and pond sitting analysis, environmental exploration, and preparation of engineering drawings and a conceptual design roadway plan for the proposed roadway alternative. The project includes solicitation of public input through community meetings and presentation to the Sumter County Board of County Commissioners. The preferred roadway alternative includes a four-lane divided roadway section from C-475 to CR 209 and a four-lane roadway section with a center two-way left turn lane from CR 209 to US 301. The roadway will have a closed drainage system and 4-ft paved bicycle lanes in each travel direction. A 5-ft sidewalk is proposed on each side of the road from CR 209 to US 301. The proposed roadway typical section will increase traffic capacity and improve traffic operations for the corridor. The PD&E study has changed to a Preliminary Engineering Study and a revised scope and fee is under review.

### **C-462 PES**

A Preliminary Engineering Study (PES) was completed for C-462, from CR 209 to C-466A. The purpose of the PES is to determine the future typical section and alignment for the roadway based on future traffic volumes, environmental analysis, and right-of-way needs. The study includes transportation modeling to determine design year 2035 traffic volumes, drainage and pond sitting analysis, environmental exploration, and preparation of engineering drawings and a conceptual design roadway plan for the proposed roadway alternative. The project includes solicitation of public input through community meetings and presentation to the Sumter County Board of County Commissioners. The preferred roadway alternative includes a two-lane roadway section with left turn lanes from CR 209 to US 301 and a two-lane roadway section with a center two-way left turn lane from US 301 to C-466A. The roadway will have a closed drainage system, 4-ft paved bicycle lanes, and 5-ft sidewalks in each travel direction. The proposed typical section will increase capacity and improve traffic operations for the corridor. The proposed roadway alignment will correct the existing mis-alignment of C-462 east and west of US 301, and improve traffic operations for US 301 in this area. A formal Preliminary Engineering Study report was prepared that summarizes the engineering analysis and presented, recommended roadway alternative and subsequently approved by the Board of County Commissioners.

## **Projects Under Design**

### **C-468 Four Lane (From Turnpike To South of SR 44)**

The rebuilding of this roadway from a two-lane to a four-lane will serve to accommodate existing and future growth and development on C-468 and in the surrounding area. The design is 100% complete and has been submitted for SWFWMD permitting.

### **C-468 Turnpike Interchange**

This project is located where C-468 intersects with The Florida Turnpike. The project involves the preliminary and final design, right of way acquisition and road construction of a partial interchange at C-468 and The Florida Turnpike, including grading, stabilized base, limerock base, curb and gutter, median gutter and asphalt pavement, drainage, traffic maintenance, erosion control, construction staking, materials testing, clearing and grubbing, signage, pavement markings, traffic signals, utility relocation, drainage works including installation of stormwater pipe, drainage inlets, manholes and pond construction. The new interchange will be a half interchange and allow northbound traffic to exit, and others to enter and head south on the turnpike,

### **C-466A Phase III**

C-466A is currently a two-lane undivided roadway without turn lanes from US 301 east to the intersection at Powell Road. The existing roadway has a closed drainage system with sidewalks, but no bicycle lanes. The roadway is located in the City of Wildwood Community Redevelopment Area (CRA). The design project involves improving the roadway to have a center left turn lane from US 301 to Pleasantdale Drive and to be a four-lane divided roadway section east of Pleasantdale Drive to match the current roadway section east of Powell Road. The project will also include upgrading the existing 5-ft sidewalks to 8-ft sidewalks and adding 4-foot paved bicycle lanes, which are required by the City of Wildwood within their CRA. The project includes determination of a proposed roadway alignment to have minimal impacts on adjacent property owners and existing mature trees. Other aspects of the design project include a tree canopy survey, route survey, geotechnical exploration, environmental study, traffic analysis, right-of-way determination, drainage design, signal modification plans, utility coordination, public involvement, preparation of roadway design plans and calculations, and bid documents.

**C-462**

Sumter County will be making roadway improvements to C-462, from US 301 to C-466A and is currently under contract with Kimley-Horn and Associates to develop construction plans. The proposed design includes a three-lane roadway with a center left turn lane, bicycle lanes, curb and gutter, and sidewalks. The survey and geotechnical investigations have begun, and you may see some crews performing work along the corridor. The construction plans will be complete January 2013 and construction is planned for 2013 / 2014.

**C-466 (CR 209 to US 301)**

Sumter County will be making roadway improvements to C-466 from CR 209 to US 301 and is currently under contract with Kimley-Horn and Associates to develop construction plans. The proposed design includes a three-lane roadway with a center turn lane, bicycle lanes, curb and gutter, and sidewalks.

**Projects Being Planned****C-475**

This project will consist of milling and resurfacing from C-470 to north of City of Bushnell near the Jumper Creek Bridge. It will also include paved shoulders and replacement of the existing bridge at Jumper Creek. This is being planned for design and construction in FY15.