



State Road (S.R.) 435 (Kirkman Road)  
Resurfacing Project  
Project ID 437341-1

# State Road (S.R.) 435 (Kirkman Road)

Financial Project ID 437341-1-32-01

**January 31, 2018**



**Presented By:**

**Heidi Trivett, FDOT Project Manager**

**and**

**Matthew Gibbs**

**Consultant Project Manager**



# State Road (S.R.) 435 (Kirkman Road) Resurfacing Project Project ID 437341-1



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**437341-1** SR 435/Kirkman Road from north of SR 482 to south of SR 408 (excluding north of International Drive to south of Conroy Rd)

### About

This is a milling and resurfacing project located in Orange County from State Road 482 (Sand Lake Road) to south of the State Road 408 Interchange, excluding International to Conroy. Part of the excluded area, International Drive to Major Boulevard, will be resurfaced by the I-4 Ultimate project.

In addition to milling and resurfacing, the scope of work will also include some minor widening, guardrail upgrades, drainage improvements, signal and signing upgrades, and numerous multimodal enhancements.

As part of the resurfacing project, after a request from the City of Orlando, we will also be designing and constructing a trail throughout part of the project limits. The trail will start on the east side of State Road 435 (Kirkman Road) at L.B. McLeod Road. It will continue north at Metrowest Boulevard, but will also run east on Metrowest Boulevard and is proposed to tie into the existing trail just west of Eagle's Nest Elementary School. The trail will cross to the west side of State Road 435 at Metropolis Way and will end at Raleigh Street.

This project will include a high amount of coordination with other projects already in construction, including: the I-4 Ultimate project, State Road 482 Interchange project, and an arterial management project.

### Project Details

**Phase:** Design  
**Work Type:** Resurfacing  
**Length:** 6.563 Miles  
**City:** [Orlando](#)  
**County:** [Orange](#)  
**Road:** [SR 408](#) [SR 435](#)  
[SR 482](#)  
**Letting:** 9/26/2018

### Estimated Costs

**Construction:** \$15 Million

### Contact Information

**Project Manager:**  
Heidi Trivett  
(386) 943-5466  
[Heidi.Trivett@dot.state.fl.us](mailto:Heidi.Trivett@dot.state.fl.us)  
[Ask a Question](#)

**Design Firm:**  
Comprehensive Engineering Services, Inc.  
(407) 423-1600

Last Updated  
~ 1 month ago

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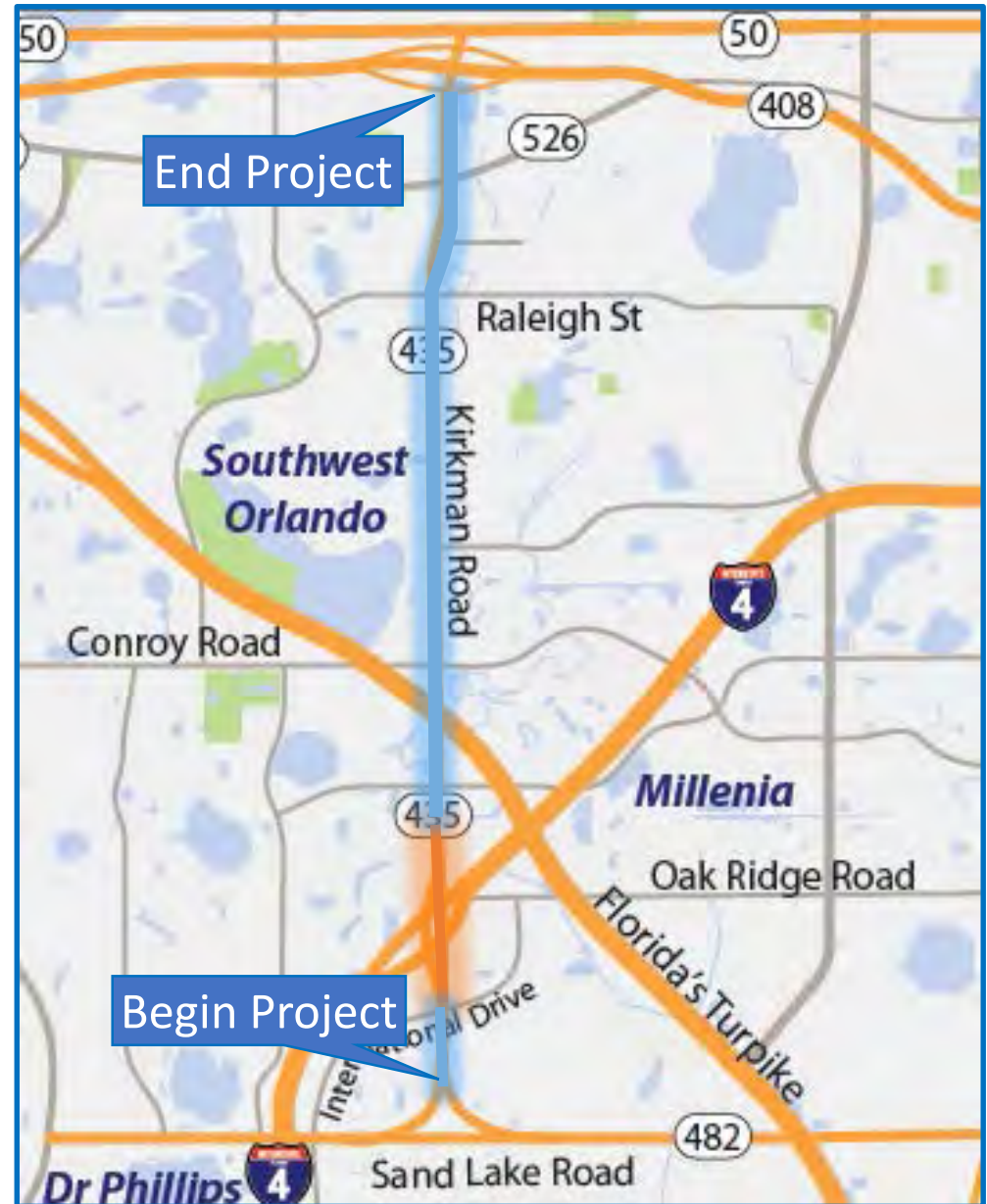
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## *Project Limits*

S.R. 435 (Kirkman Road)

- From S.R. 482 (Sand Lake Road)
- To south of S.R. 408 Interchange



## *Proposed Improvements*

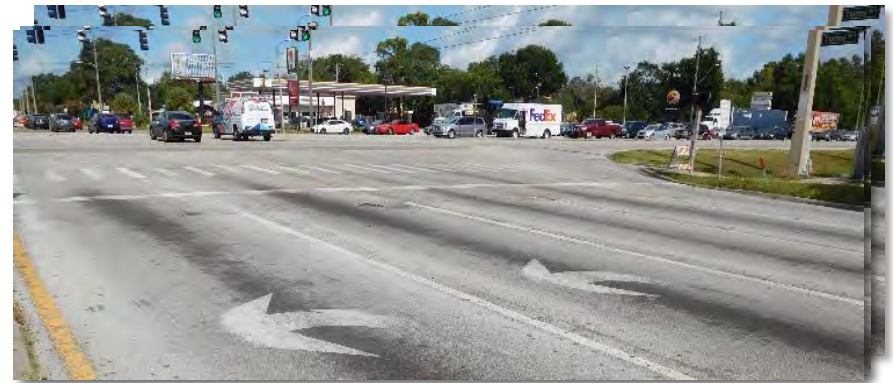
- Resurface pavement to extend the operational life of the roadway
- Complete roadside and drainage improvement within the right-of-way to enhance safety and operations along corridor
- Reconstruct, modify or add bicycle or pedestrian features to improve safety and/or accessibility
- Complete signalized intersection improvements and upgrades
- Improve bus stops throughout corridor
- Install shared use path as a result of coordination with MetroPlan and City of Orlando



## *Pavement Resurfacing*

Improve roadway surface by eliminating deteriorated pavement and wheel path rutting

- Provide new stripes and markings throughout project limits
- Reconstruct and rebuild side street and driveway curb lines to alleviate existing drainage and ponding issues
- Improvements limited to existing right of way - no additional right of way required



## *Pavement Removal*

- Reduce the 11-foot wide southbound paved shoulder area between Carrier Drive and International Drive to 5-foot wide
- Reduce the radius in the northeast corner of Carrier Drive to reduce the pedestrian crosswalk length across S.R. 435 (Kirkman Road)



## *Roadside and Drainage Safety Improvements*

- Regrade ground or overbuild pavement to eliminate shoulder drop-offs and strengthen shoulder pavement
- Remove limited lengths of curb, widen paved shoulder and extend guardrail at and between Sand Lake Road and Carrier Drive
- Complete multiple isolated drainage improvements to alleviate erosion issues and provide a flatter, safer roadside condition for pedestrians and vehicles
- Desilt and recoat the concrete box culvert located south of LB McLeod Road
- Provide drainage improvements to accommodate proposed shared use path



## *Bicycle Feature Improvements*

- Add bike lane keyholes between the outside through lane and right turn lane:
  - At Carrier Drive  
(Northbound Direction)  
(Southbound Direction)
  - At International Drive  
(Northbound Direction)
- Install pavement stripes to provide a six-foot wide outside bike lane between Conroy Road and County Road (C.R.) 526 (Old Winter Garden Road)





## ***Pedestrian Feature Improvements***

- Replace and/or reconstruct sidewalk segments:
  - Improve sidewalk curb ramp slopes to meet current design criteria and provide detectable warning surfaces
  - Separate single sidewalk ramps into dual ramps at signalized intersections
  - Provide wider sidewalks where it is currently less than 4-feet wide
- Review and update all handrails



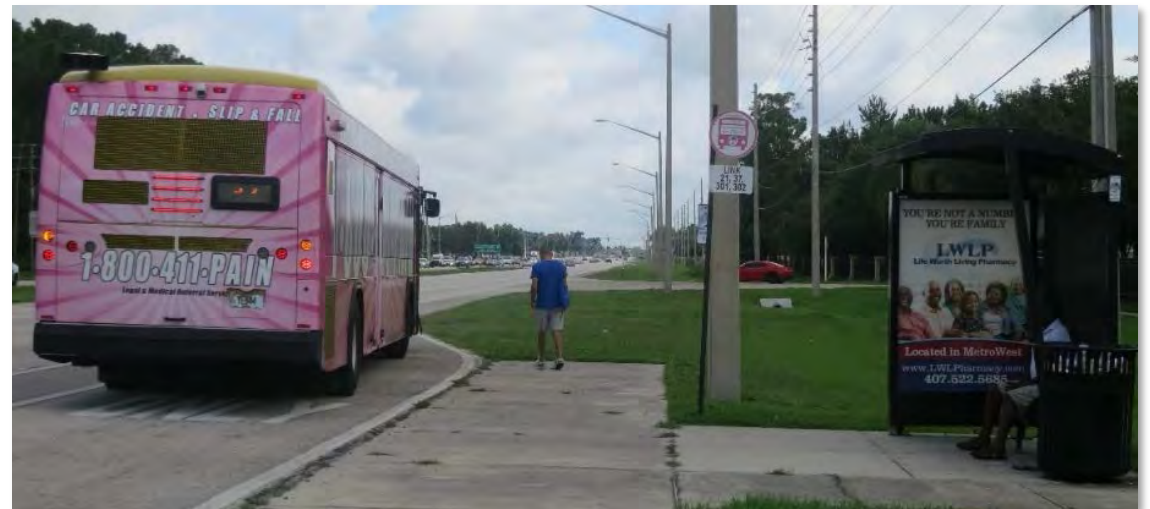
## *Signalized Intersection Improvements*

- Install pedestrian crosswalks across all approach legs
  - Six new signalized crosswalks planned across S.R. 435
- Construct two directional pedestrian ramps versus one wide ramp in each corner
  - 32 single ramps planned for reconstruction to dual ramps
- Upgrade vehicle detection loops



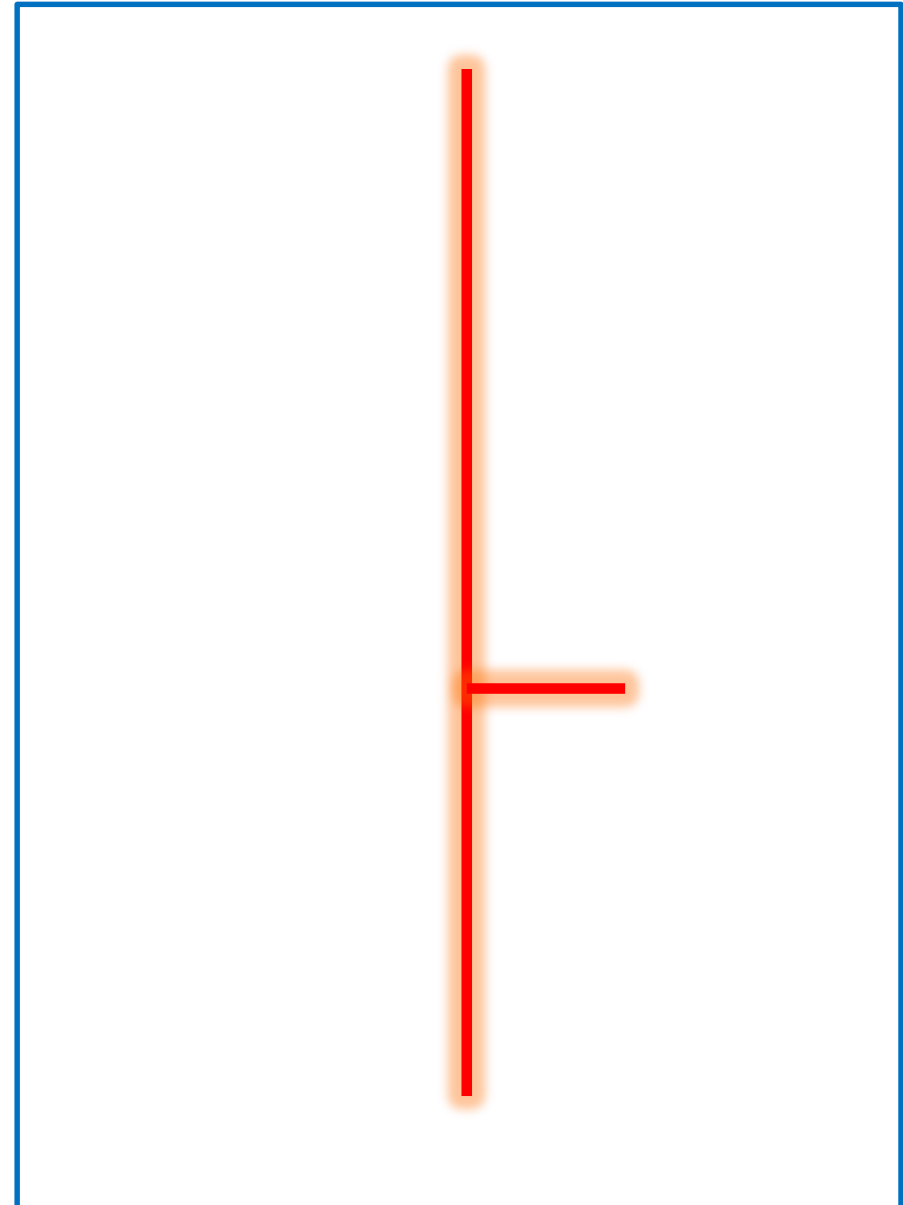
## *Bus Stop Improvements*

- Install a raised boarding and alighting area for 21 existing bus stops
- Construct five new bus bays
- Relocate two bus bays currently located in right turn lanes
- Maintain existing bus stop benches and shelters



## *Shared Use Path Installation*

- Along the east side of S.R. 435 (Kirkman Road) from LB McLeod Road to Raleigh Street
- Along the south side of MetroWest Boulevard from Kirkman Road to 1,500 feet East of Kirkman Road
- Will connect to existing path east of the MetroWest Boulevard Bridge
- Ten foot wide asphalt path
- Per request of the City of Orlando and MetroPlan Orlando



## *Schedule and Costs*

### Current Schedule:

- Completed Plans –  
Winter of 2018



### Estimated Project Costs:

- Design \$ 1,796,641
- Right of Way N/A
- Construction \$ 15,000,000
- Construction Funding Year 2019





# ***THANK YOU***

**For additional information, please contact:**

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**Florida Department of Transportation**

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