

# METROPLAN ORLANDO

## January 2020



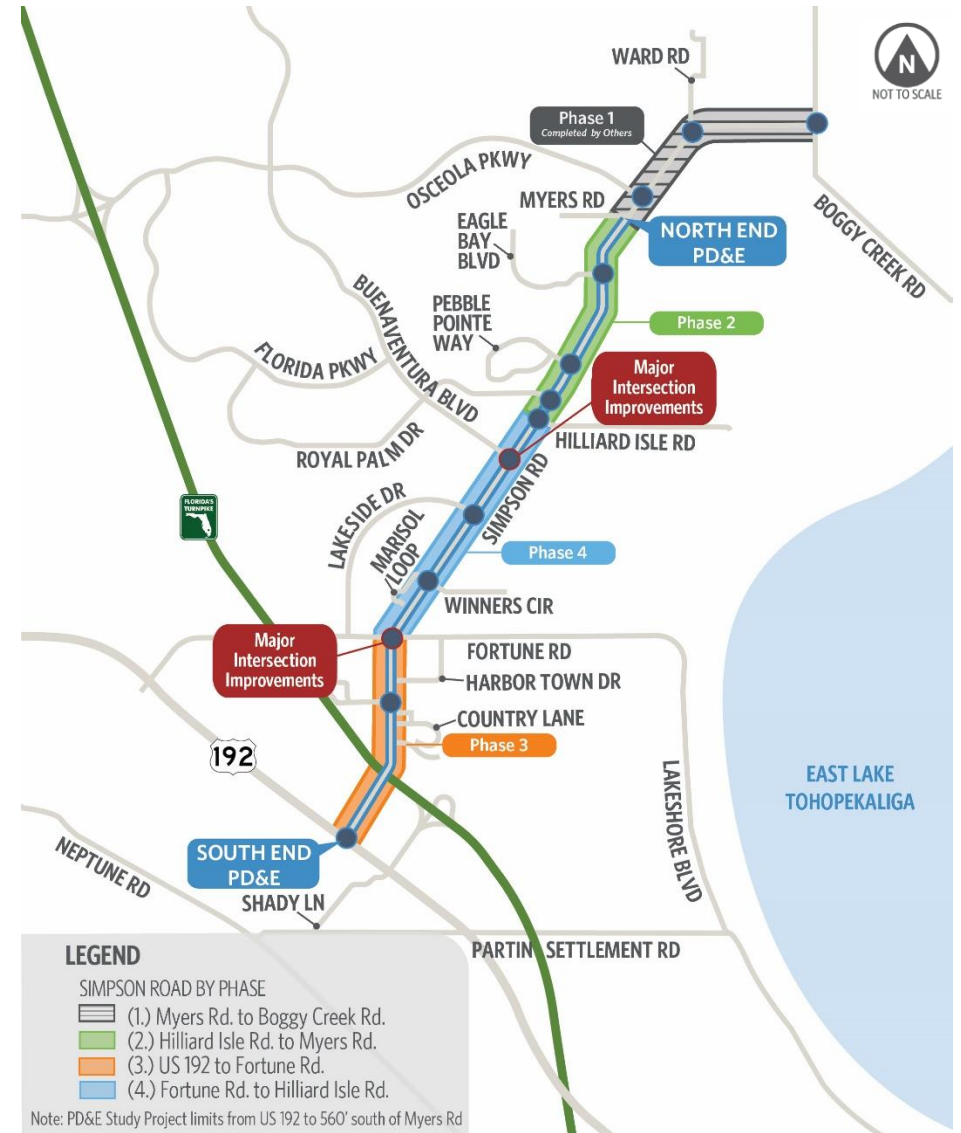
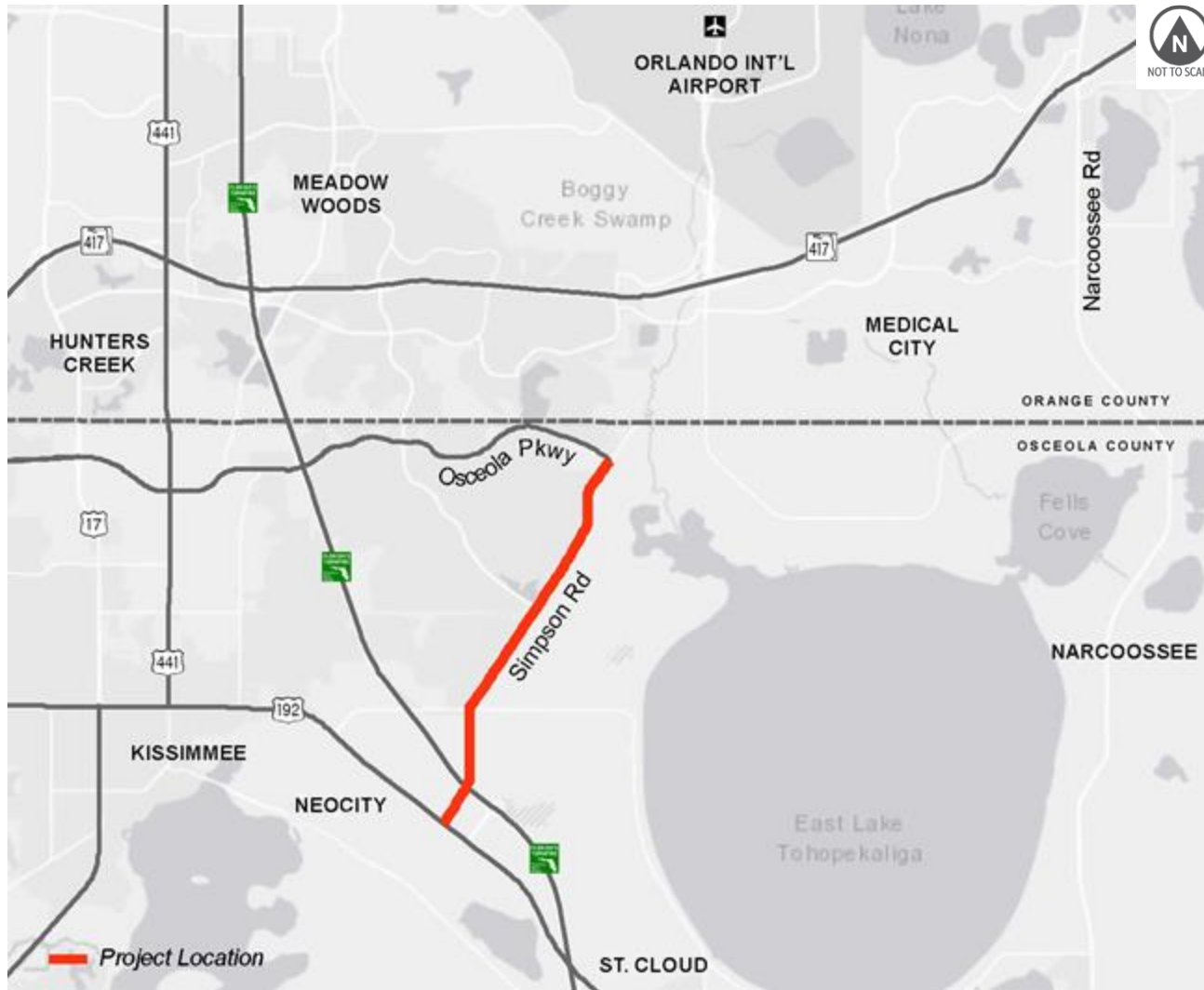
## SIMPSON ROAD IMPROVEMENTS

from US 192 to south of Myers Road  
Project Development and Environment Study

*Osceola County, Florida*  
*Contract No. PS-18-9906-DG*  
*FM No.44516-1*



# PROJECT LOCATION





## SIMPSON ROAD *PD&E Study Objectives*

Perform engineering, social, & environmental studies of transportation improvement

Use analysis to support decisions of if and how transportation improvement should be built

Develop basic design concepts based on analysis





# PROJECT PURPOSE

- Enhance safety for all travel modes
- Enhance mobility for Simpson Road communities including Buenaventura Lakes
- Improve regional connections
- Improve overall traffic operations
- Provide consistency with local plans





# PROJECT NEED

- Provide safer mobility for pedestrians, bicyclists, motorists and others on the corridor
- Achieve consistency with transportation plan
- Enhance regional system linkage
- Provide additional capacity
- Address transportation demand
- Meet social and economic needs
- Improve modal interrelationships



# TYPICAL SECTIONS & PROJECT PHASES



This project can be implemented through three phases

- **Phase 2:** Myers Rd to Hilliard Isle Rd
- **Phase 3:** Fortune Rd to US 192
- **Phase 4:** Hilliard Isle Rd to Fortune Rd
- **Phase 1:** Boggy Creek Rd to Myers Rd *completed by others*

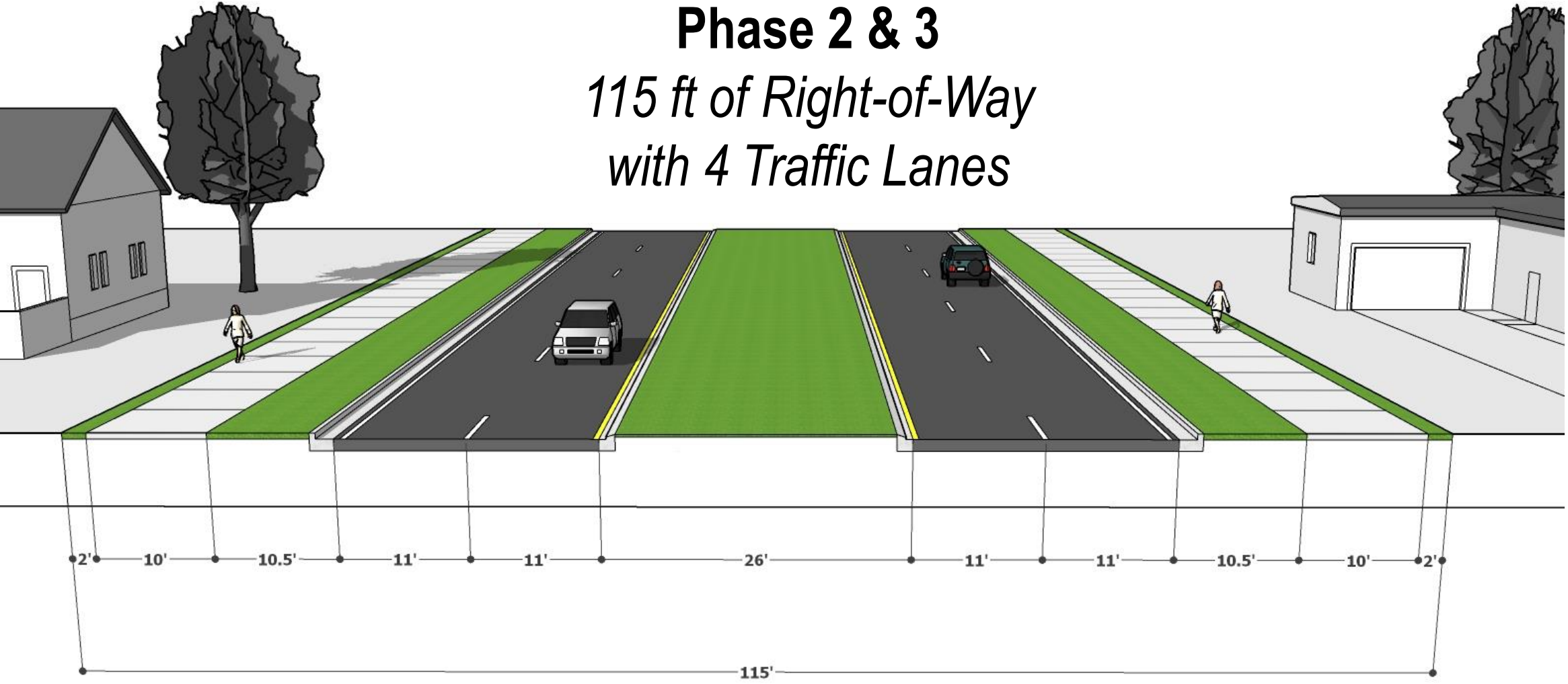
There are two possible typicals (A) and (B) for each phase





# Phase 2 & 3

115 ft of Right-of-Way  
with 4 Traffic Lanes



This option provides traffic lanes in each direction with bicyclists and pedestrians sharing a path.

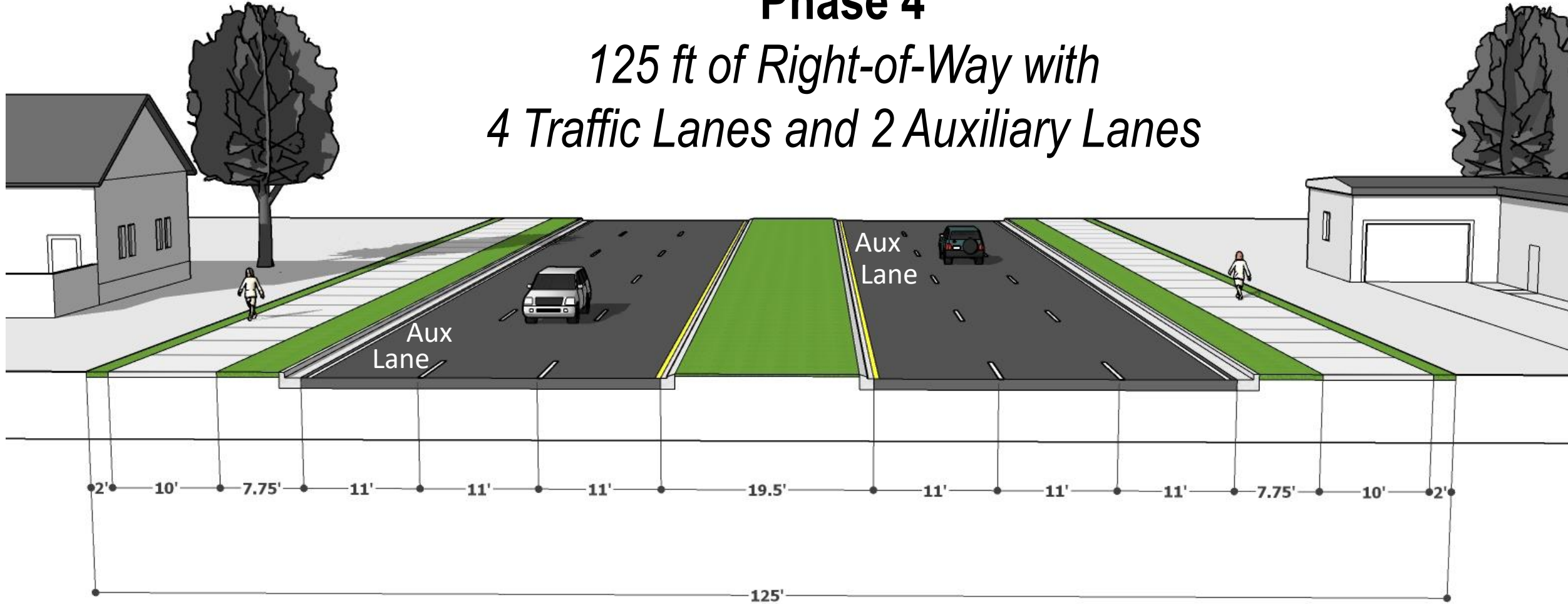






## Phase 4

*125 ft of Right-of-Way with  
4 Traffic Lanes and 2 Auxiliary Lanes*



This option provides traffic lanes in each direction with bicyclists and pedestrians sharing a path.





# INTERSECTION OPTION 2 – Fortune Road



1" = 50'

## Option 2 - Quad Road





# INTERSECTION OPTION 2 – Buenaventura Blvd



## Option 2 - Quad Road





# May 16, 2019 ALTERNATIVES PUBLIC MEETING

- 897 Mail outs – Invites and Newsletters
- 2 Newspaper Ads
- Project Website:  
[www.improvesimpsonroad.com](http://www.improvesimpsonroad.com)

- 19 People Signed In
- 6 Comments
  - Forms at Meeting
  - Comments by Mail
  - Email/Website





# RECOMMENDED PREFERRED ALTERNATIVE

## - Corridor Alternatives

- Alternative B - Shared Use Path
  - For all Phases 2,4 & 3
  - Refined to reduce impacts

## Supporting Reasons:

- Supports broader non-vehicular use
- Public comment consensus
- More predictable turn lane accommodation
- Consistent with Trail Plan and existing accommodation in neighboring area of Buenaventura Lakes and Lakeside Drive Communities



# RECOMMENDED PREFERRED ALTERNATIVE



## Intersection Options

- Buenaventura Boulevard
  - Option 2 – Quad Road with minimized impacts to commercial parcels
- Fortune Road
  - Option 2 – Quad Road with minimized impacts to commercial parcels and access management refinement



## Supporting Reasons:

- Safer Access Management
- Improved Period of Operations
- Better Business Accessibility



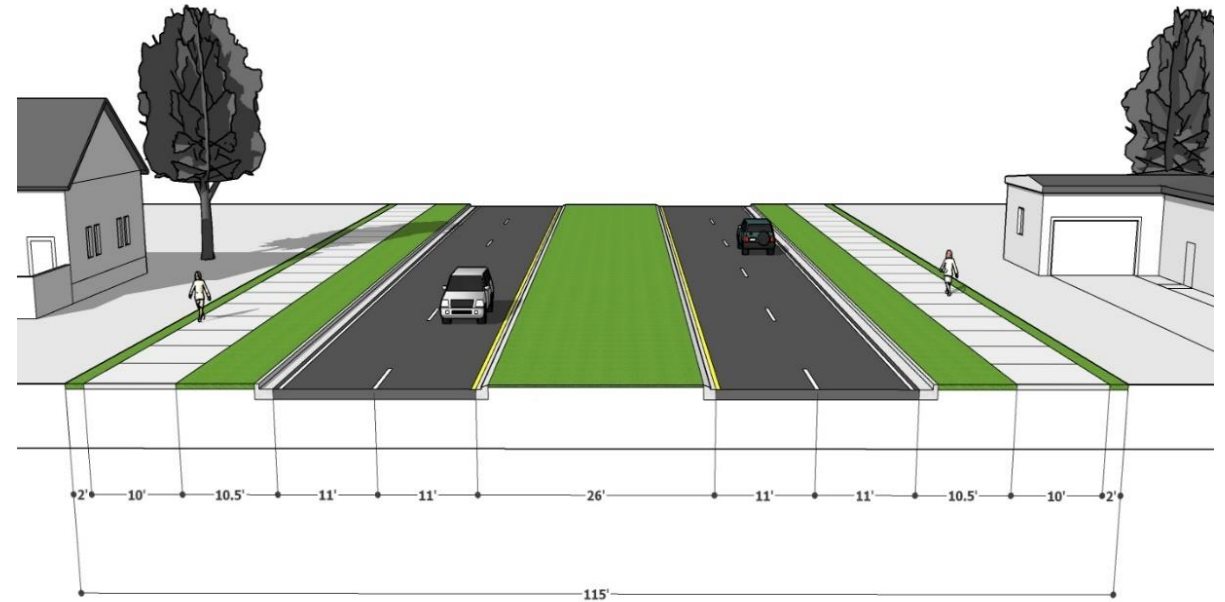


# RECOMMENDED PREFERRED COST MATRIX



## SIMPSON ROAD WIDENING PD&E PREFERRED ALTERNATIVE PROJECT COSTS

- No Build: \$0
- Phase 3: \$37,300,000+/-
- Phase 4: \$37,200,000+/-
- Phase 2: \$26,600,000+/-

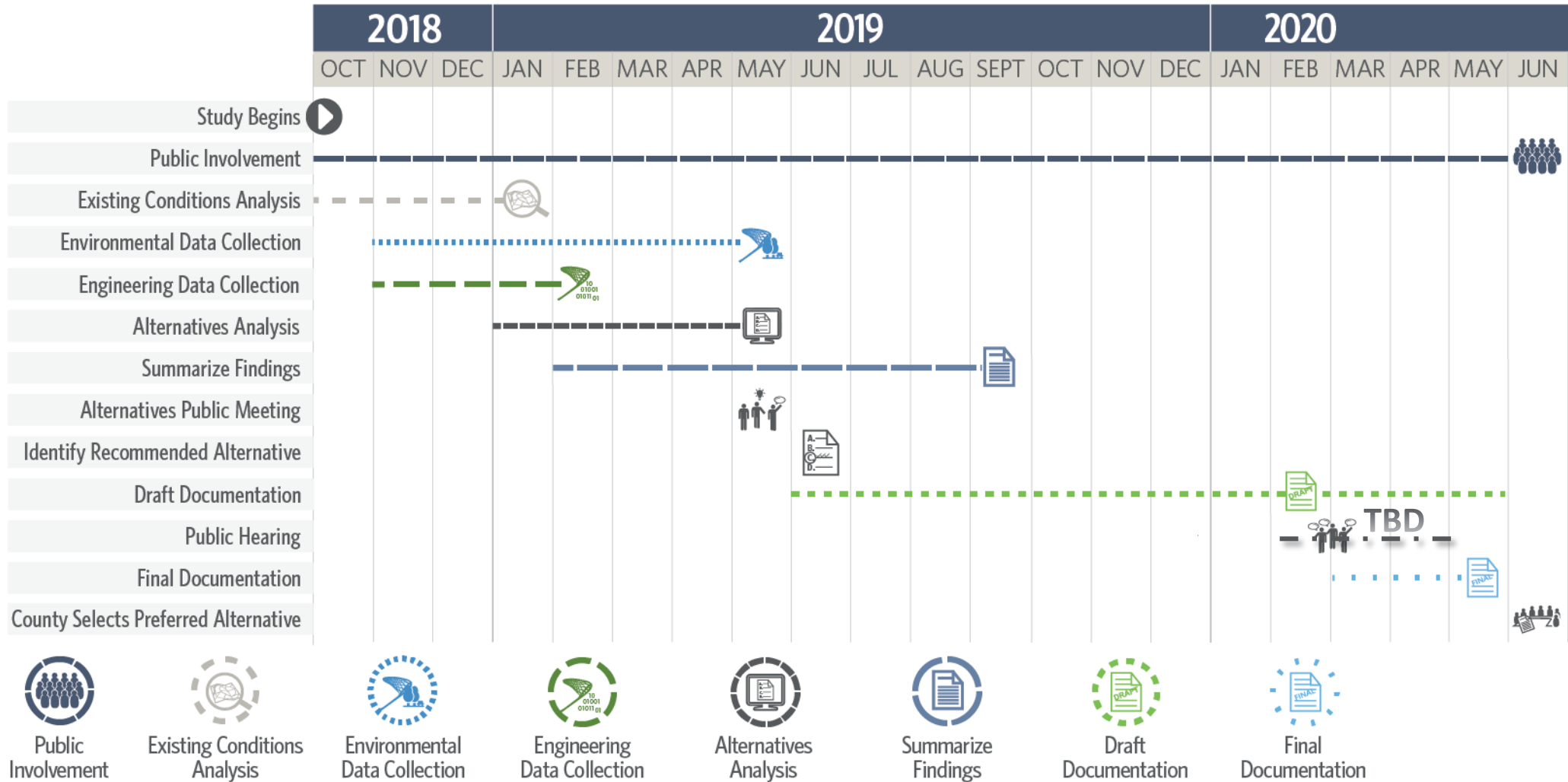


**TOTAL PROGRAM COSTS: \$101,100,000+/-**





# SCHEDULE – Next Steps



\* Subject to change



# PROJECT CONTACTS



## Joshua DeVries, AICP

Director of Planning / Sr. Planner  
Department of Transportation and Transit  
Osceola County Government  
1 Courthouse Square, Suite 3100  
Kissimmee, FL 34741

[Joshua.DeVries@Osceola.org](mailto:Joshua.DeVries@Osceola.org)

## Howard Newman, PE

Project Manager  
Engineer of Record  
HDR  
315 E. Robinson Street, Suite 400  
Orlando, FL 32801

[Howard.Newman@hdrinc.com](mailto:Howard.Newman@hdrinc.com)

[www.improvesimpsonroad.com](http://www.improvesimpsonroad.com)



# METROPLAN ORLANDO

## January 2020



## SIMPSON ROAD IMPROVEMENTS

from US 192 to south of Myers Road  
Project Development and Environment Study

*Osceola County, Florida*  
*Contract No. PS-18-9906-DG*  
*FM No.44516-1*

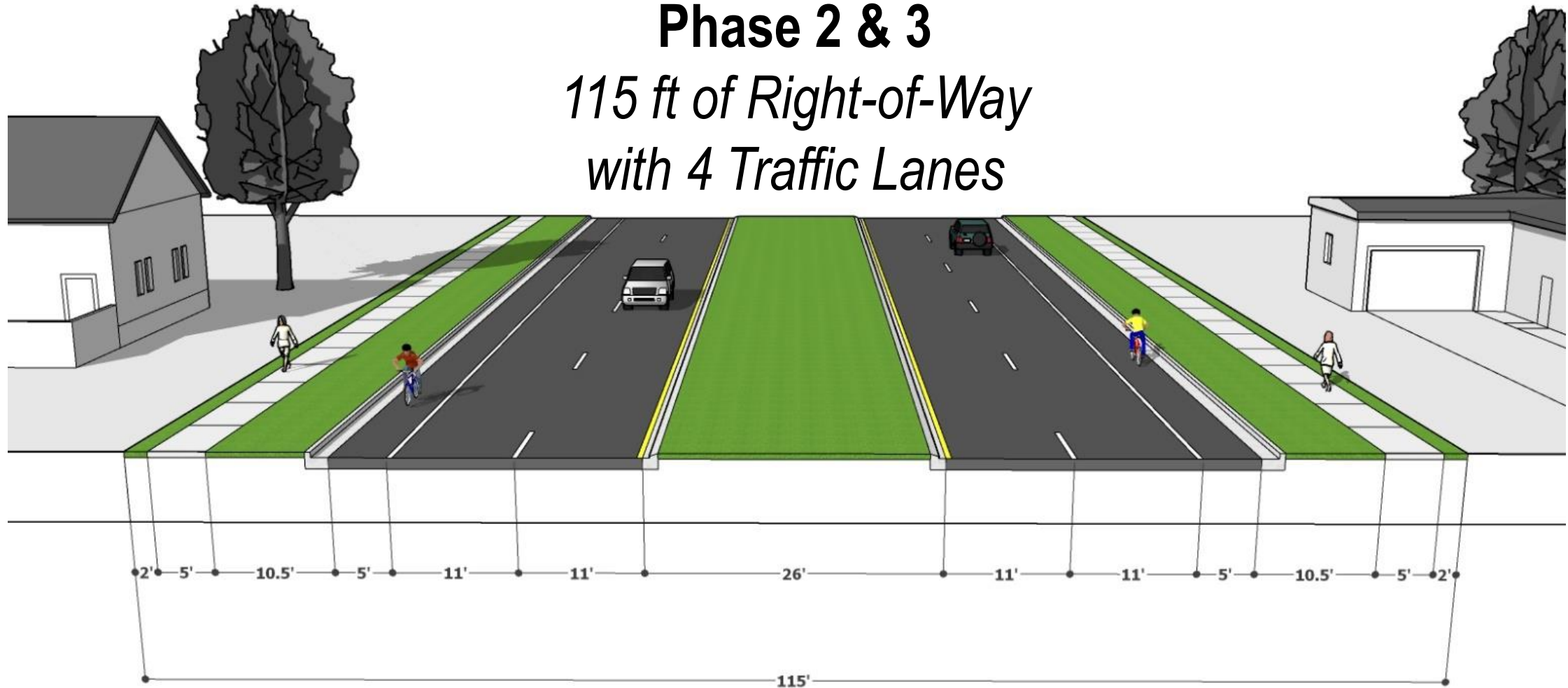




# ALTERNATIVE A Typical Section: On-Street Bike Lanes within 115' of ROW



## Phase 2 & 3 115 ft of Right-of-Way with 4 Traffic Lanes



This option provides traffic lanes in each direction with separation of bicycle users and pedestrians.

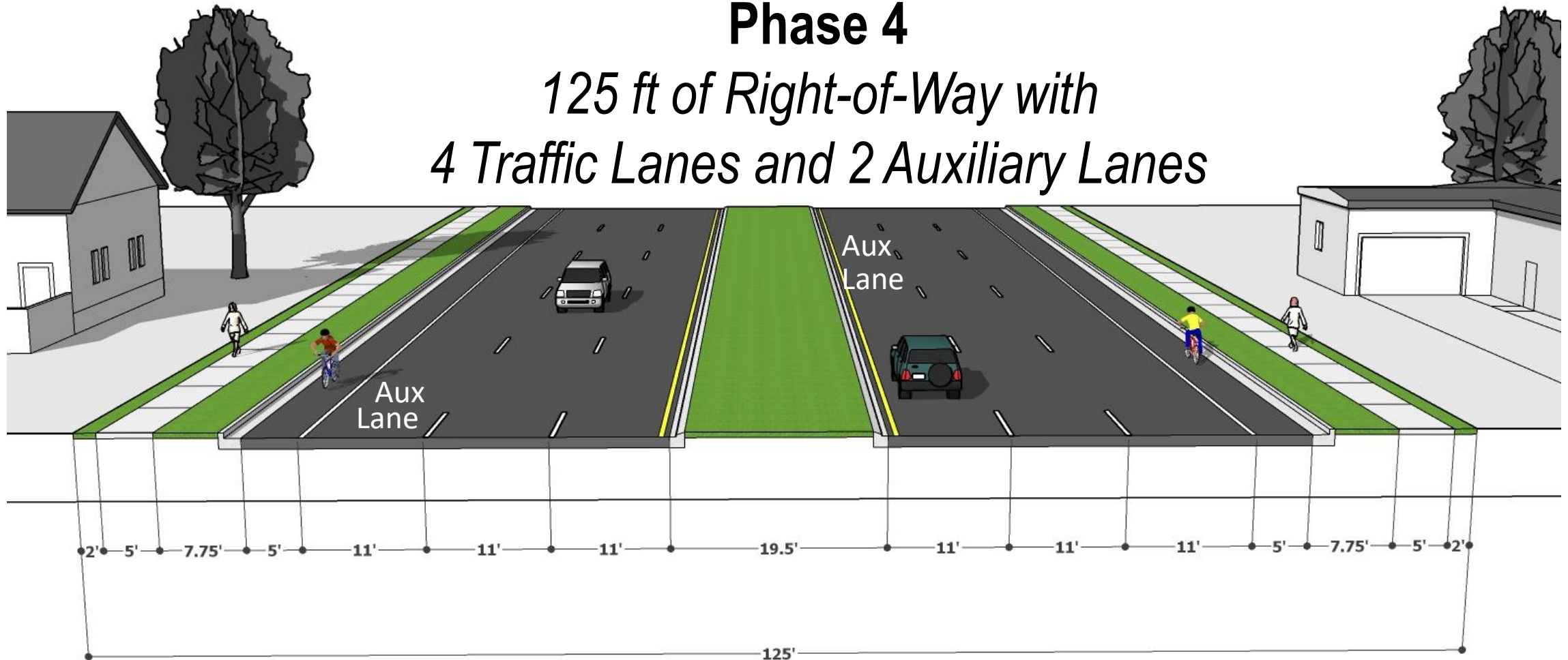


# ALTERNATIVE A Typical Section: On-Street Bike Lanes within 125' of ROW



## Phase 4

*125 ft of Right-of-Way with  
4 Traffic Lanes and 2 Auxiliary Lanes*



**This option provides traffic lanes in each direction with separation of bicycle users and pedestrians.**





# INTERSECTION OPTION 1 – Fortune Road



## Option 1 - Conventional





# INTERSECTION OPTION 1 – Buenaventura Blvd.



## Option 1 - Conventional

