

Orange County BCC

Ward Road/Simpson Road Intersection Improvements

July 31, 2018



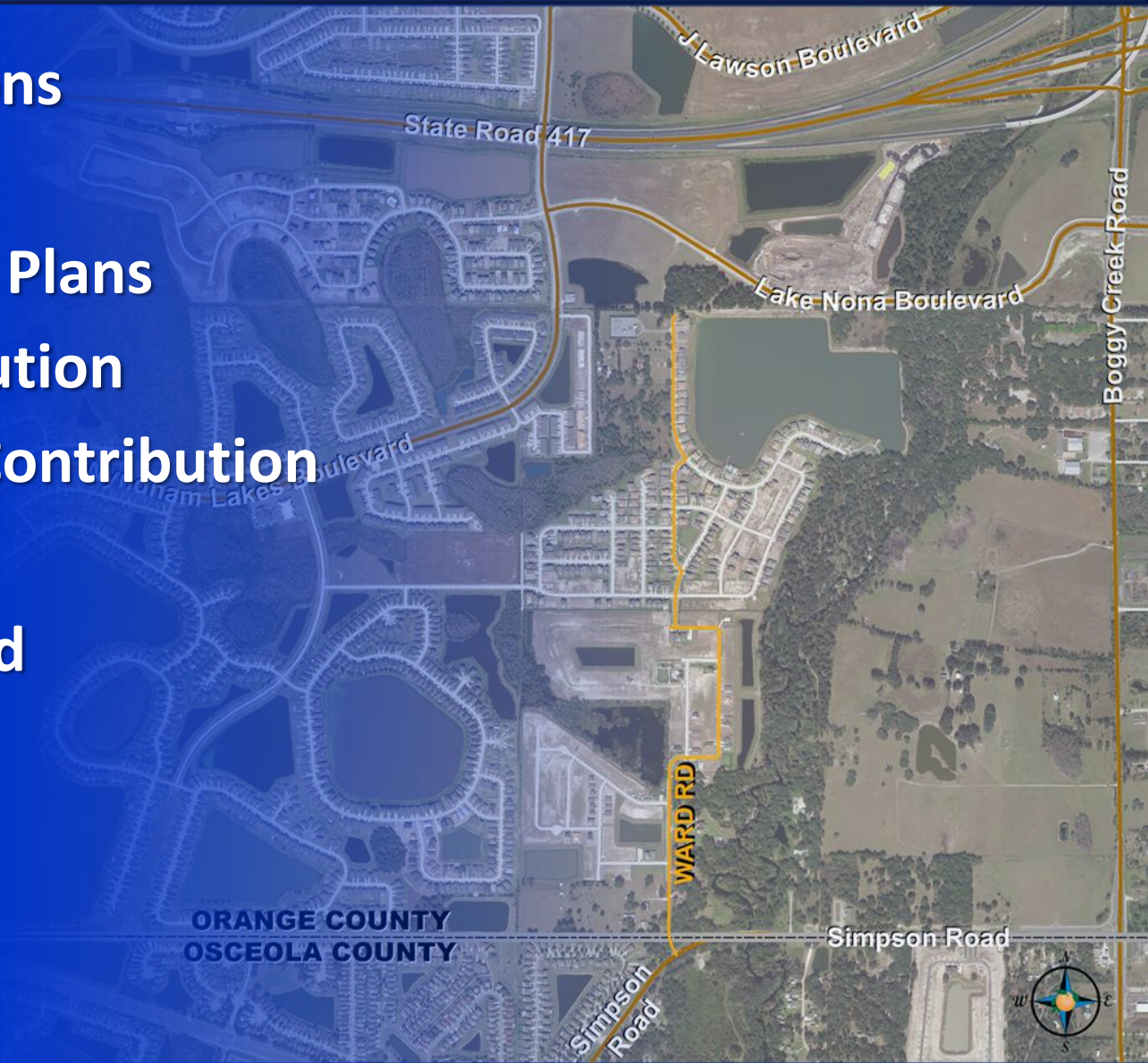
Presentation Purpose

**To authorize funding toward intersection
improvements
at Ward Road and Simpson Road,
south of the Orange/Osceola County line
serving Orange County residents**



Presentation Overview

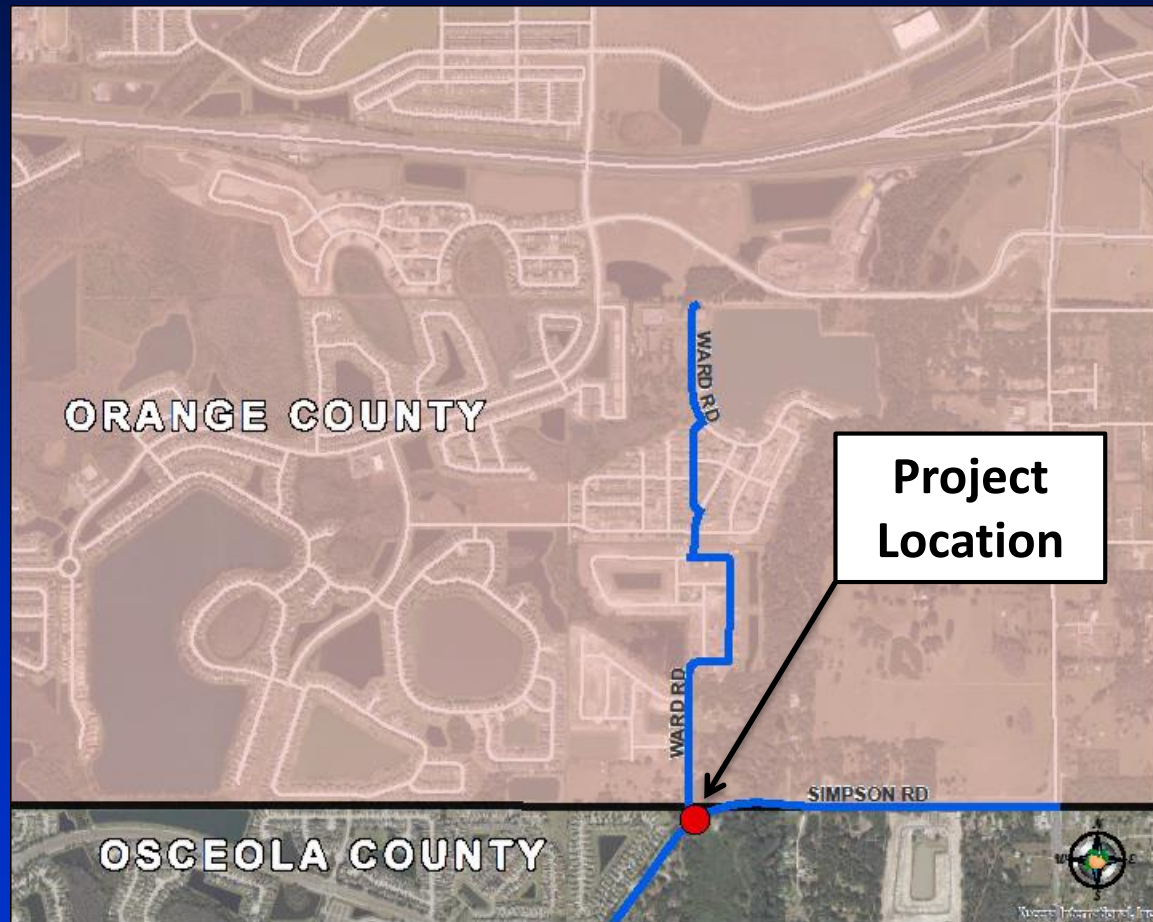
- Existing Conditions
- Project Need
- Original Osceola Plans
- Osceola Contribution
- Orange County Contribution
- Summary
- Action Requested





Existing Conditions

- Intersection located in Osceola County
- Both 2-lane undivided roadways
- Ward Road maintenance plat within Osceola County





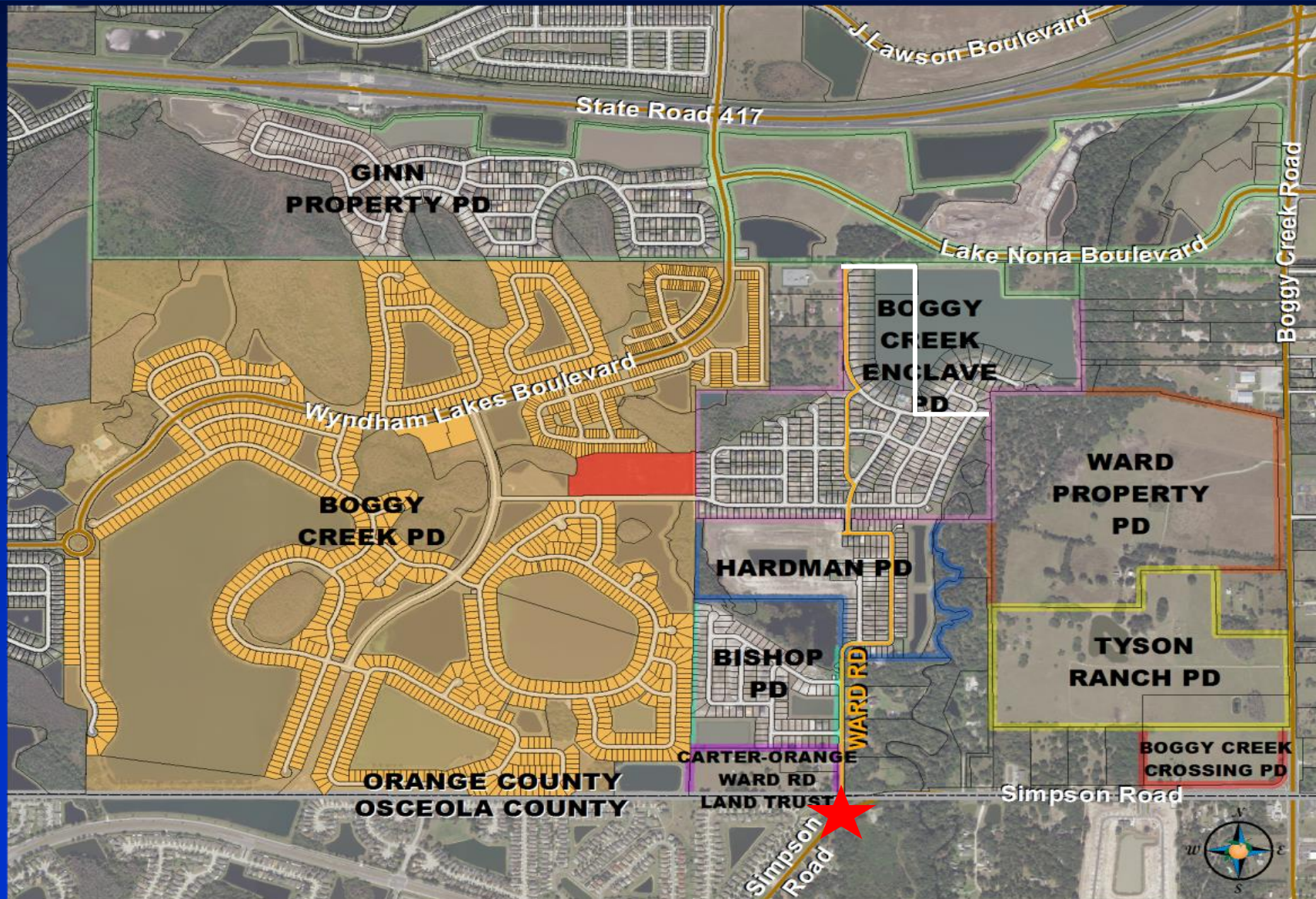
Existing Conditions

- No turn lanes at intersection
- Lack of gaps to turn left onto Simpson Road
- Forced Ward Road right-in/right out



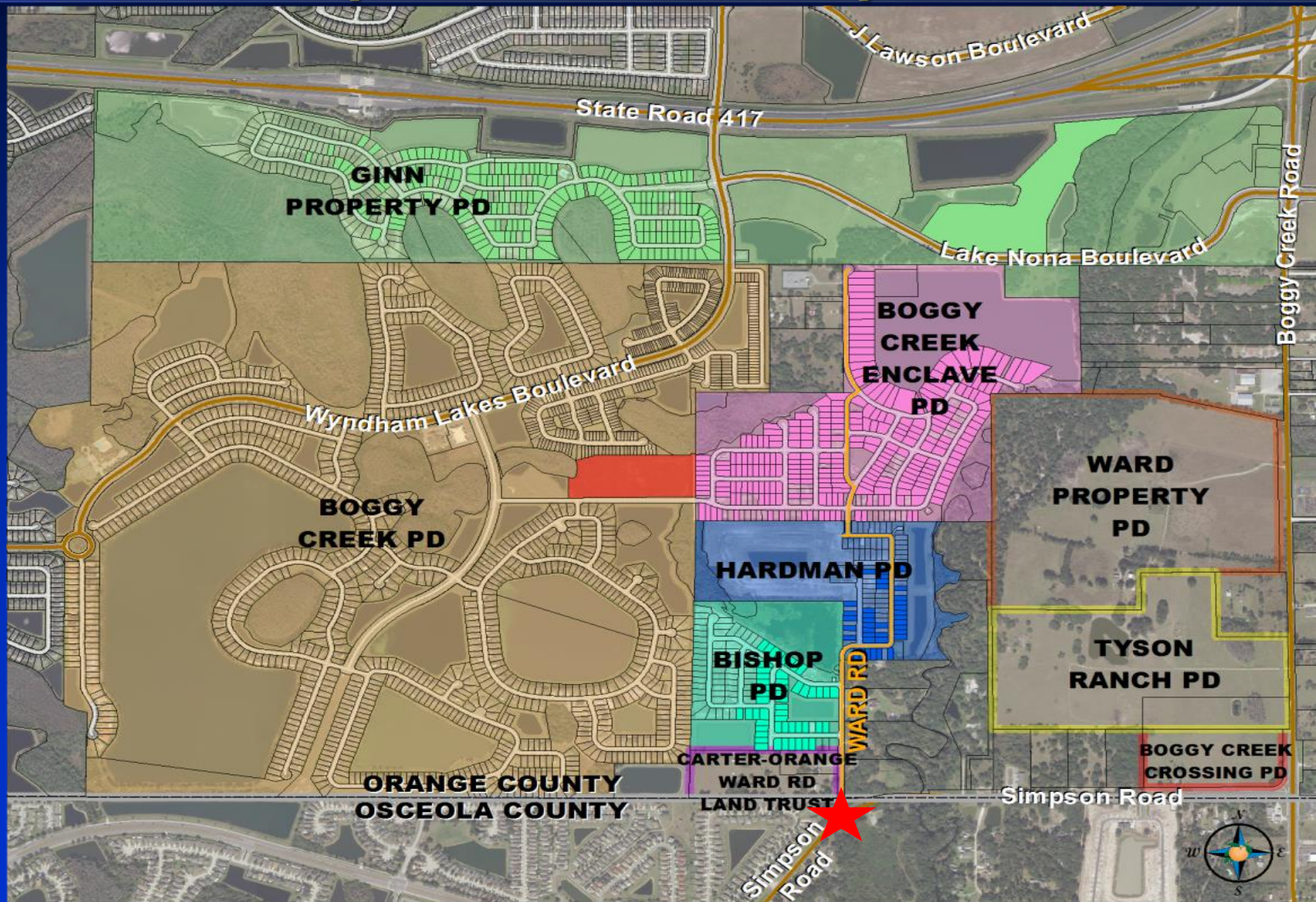


Project Need – Completed Development



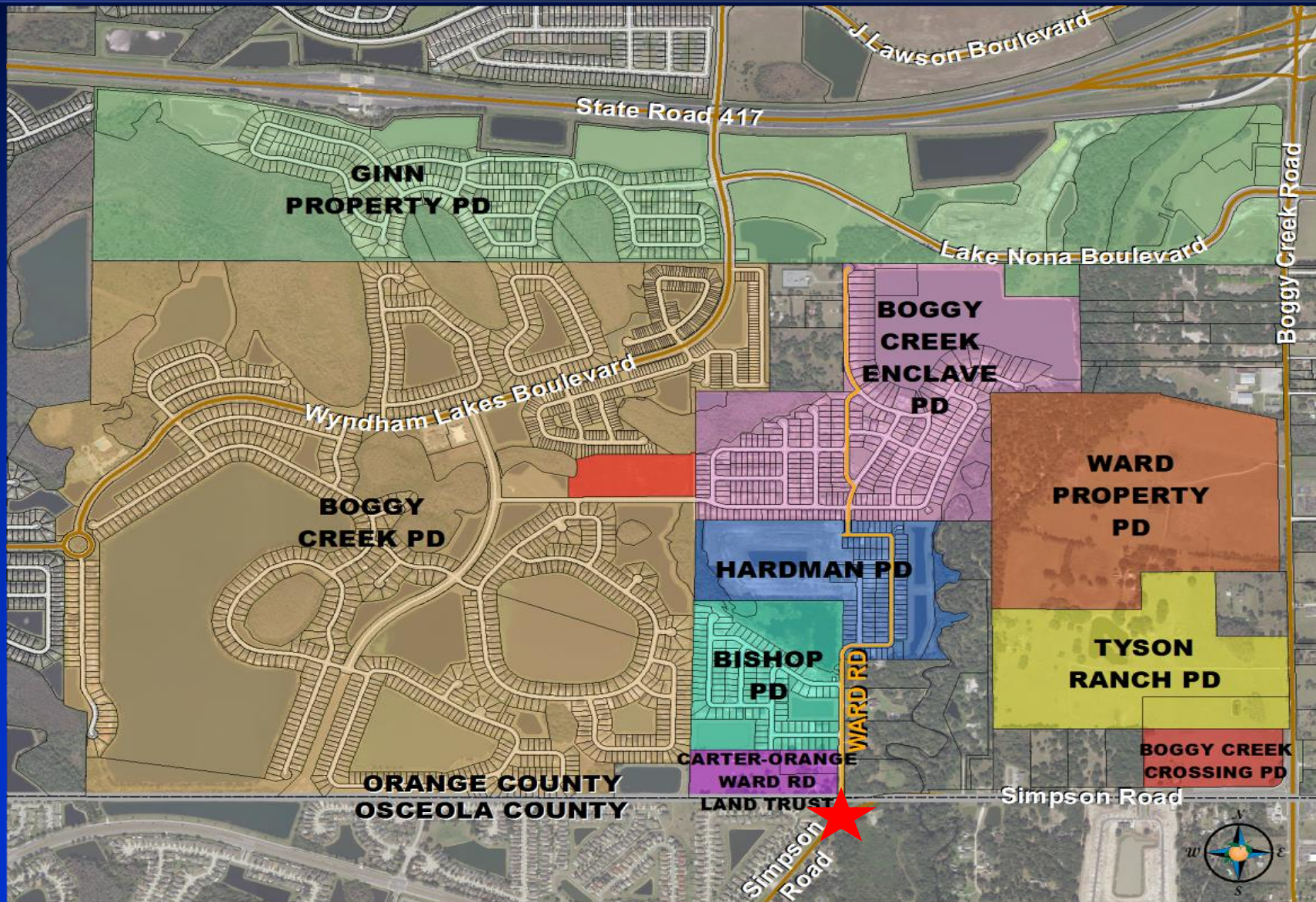


Project Need – Development Underway





Project Need – Future Development

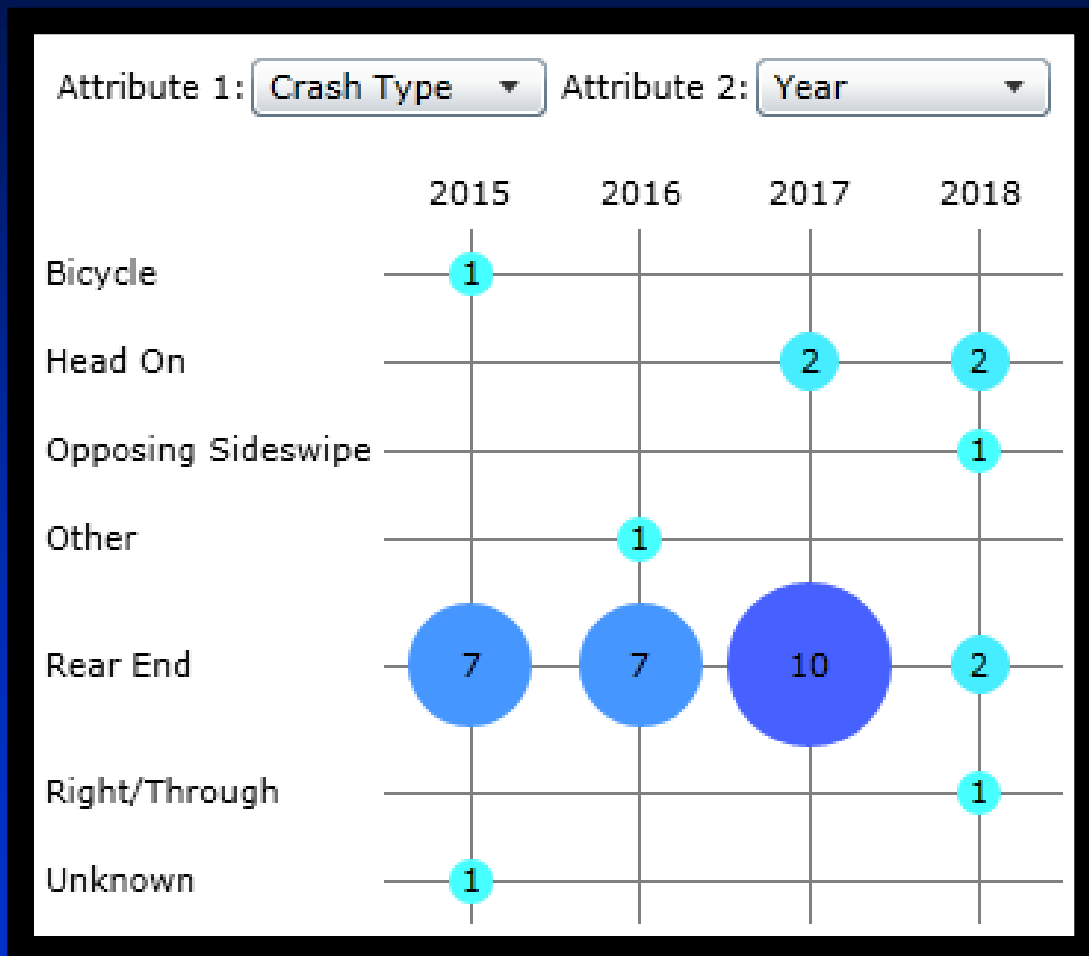




Project Need

Safety

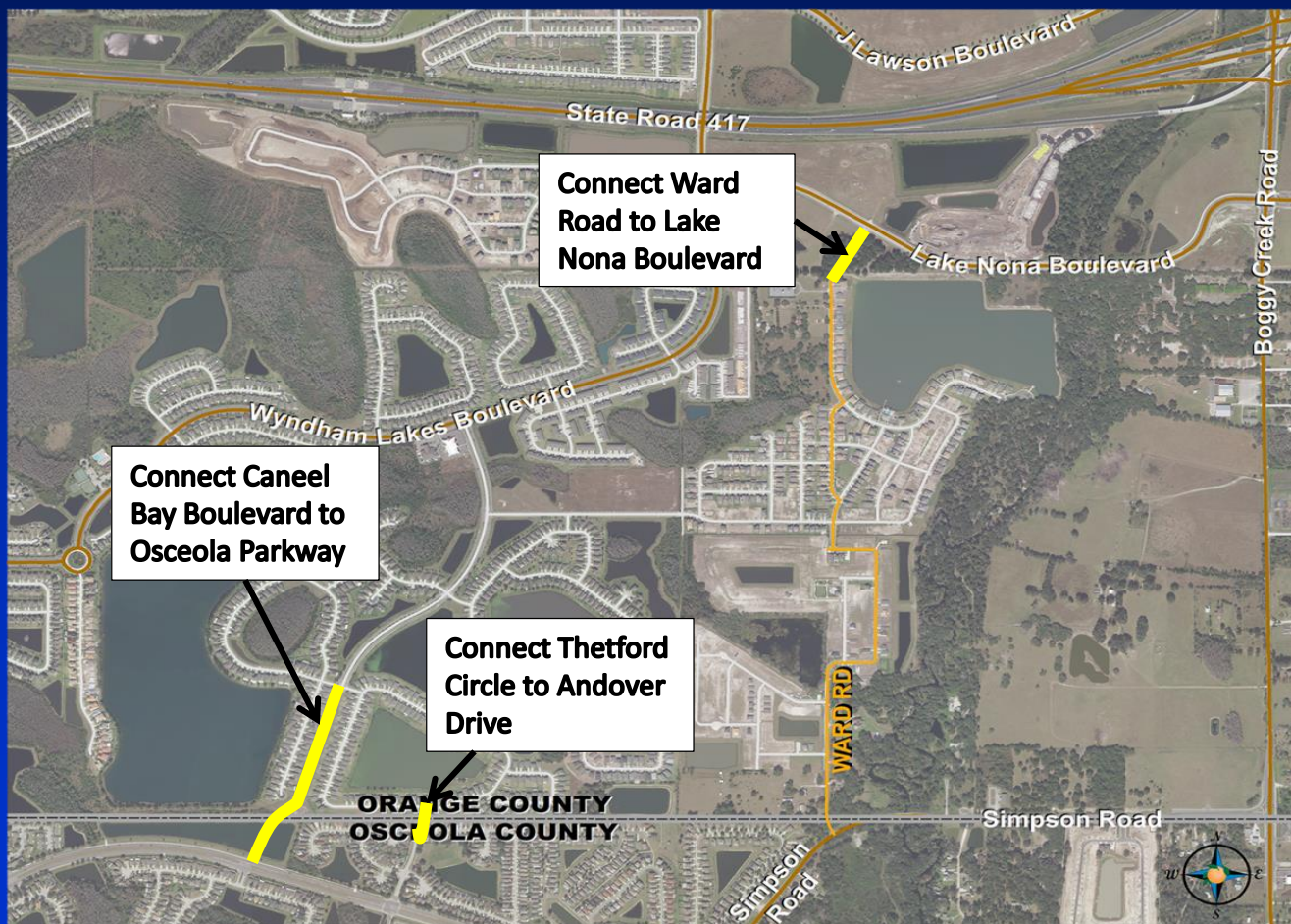
- Rear-end crashes increasing
- What happened in 2018?





Project Need

Need for Connectivity

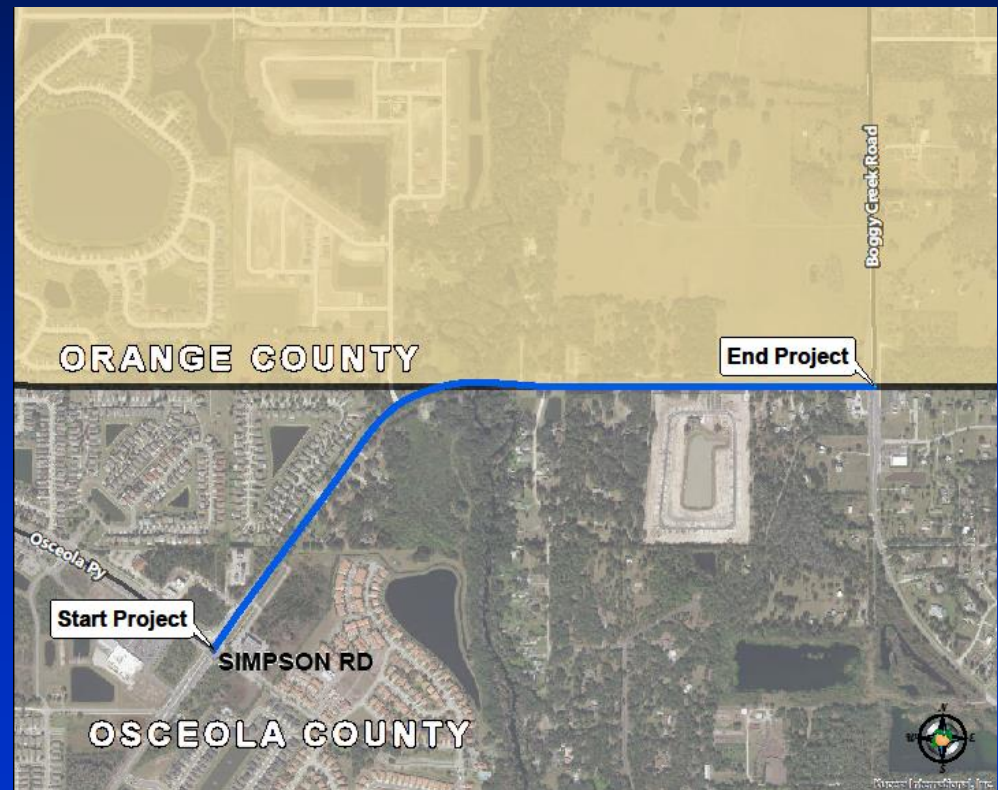




Original Osceola Plans

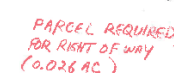
Simpson Road Widening

- Osceola Parkway to Boggy Creek Road
- Construction Funding FY 2022
- Ward Road Right In/Right Out, No signal





- Allow separate Ward Road left and right turn lanes
- Add Signal
- Advance Intersection Improvements

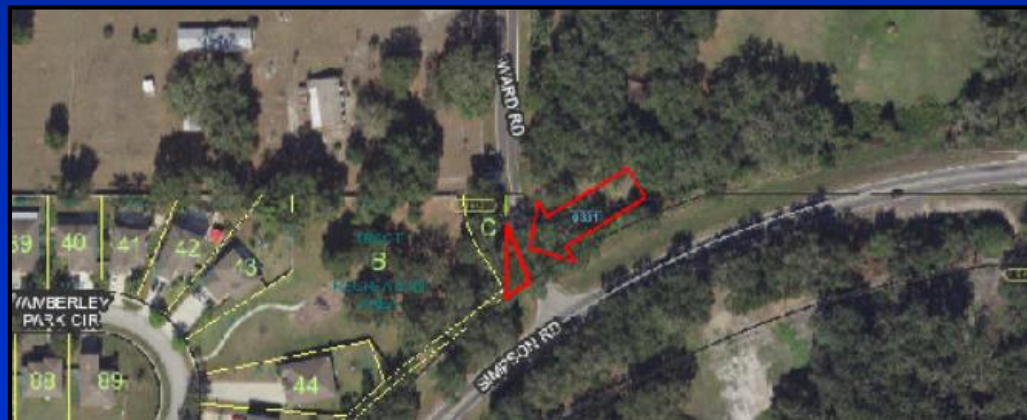




Osceola Contribution

Completed To-Date

- Improvements to turning radius in northeast corner
- Improvements to drainage by extension of pipe and culvert under Ward Road
- Purchase of parcel needed to construct Ward Road turn lanes





Osceola Contribution

Upcoming

- **Design and Construct interim improvements**
 - Simpson Road left turn lane to Ward Road
 - Separate Ward Road turn lanes
- **Construct and maintain temporary span wire signal**
- **Modify Simpson Road widening plans for Ward Road turn lanes and mast arm signal**



Orange County Contribution

- Fund construction of interim intersection improvements
- Fund design and construction of temporary span wire signal
- \$450,000 Estimated Cost to Orange County
 - \$40,000 design temporary span wire signal
 - \$110,000 construct temporary signal
 - \$300,000 construct interim intersection improvements



Summary

- **Intersection Improvements at Ward Road and Simpson Road are needed to improve safety, access, and mobility for Orange County citizens**
- **Estimated cost of \$450,000 to Orange County**



Action Requested

Approval and execution of Joint Participation Agreement Between Orange County and Osceola County for Contemplated Intersection Improvements at Ward Road and Simpson Road