

ORANGE



COUNTY
F L O R I D A

Avalon Road (CR 545)

US 192 to Hartzog Road

Project Development and Environment (PD&E) Study

Board of County Commissioners
Public Hearing

May 5, 2026

Agenda

- Project Background
- Title VI Compliance
- PD&E Study
- Schedule
- Summary
- Public Comment
- Action Requested



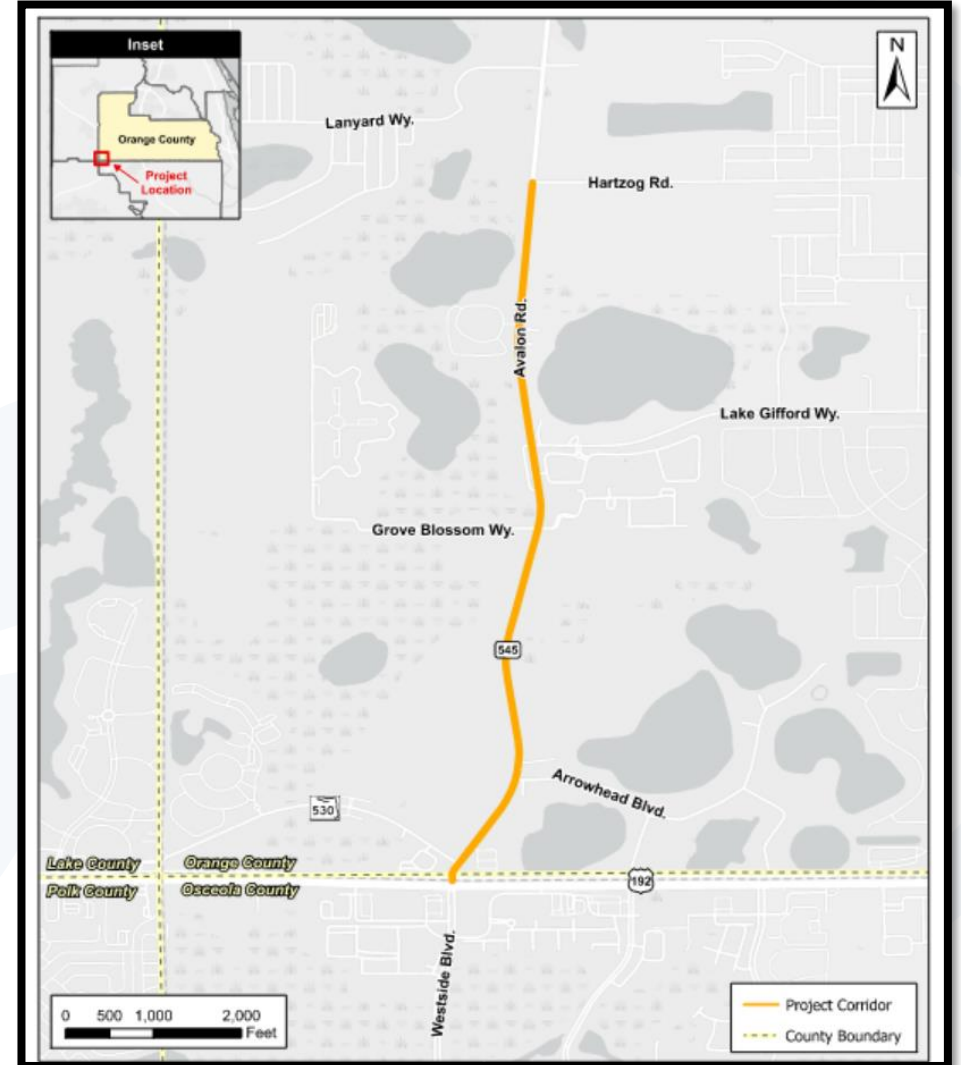
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Project Background

- RCA study approved by the Board on March 16, 2023
 - Addressed capacity deficiencies
 - Evaluated pedestrian/bicycle enhancements
 - Enhanced regional connectivity and access across jurisdictional boundaries
 - Improved safety
 - Improved geometry
- Project limits
 - US 192 to Hartzog Road
 - Approx. 1.6 miles



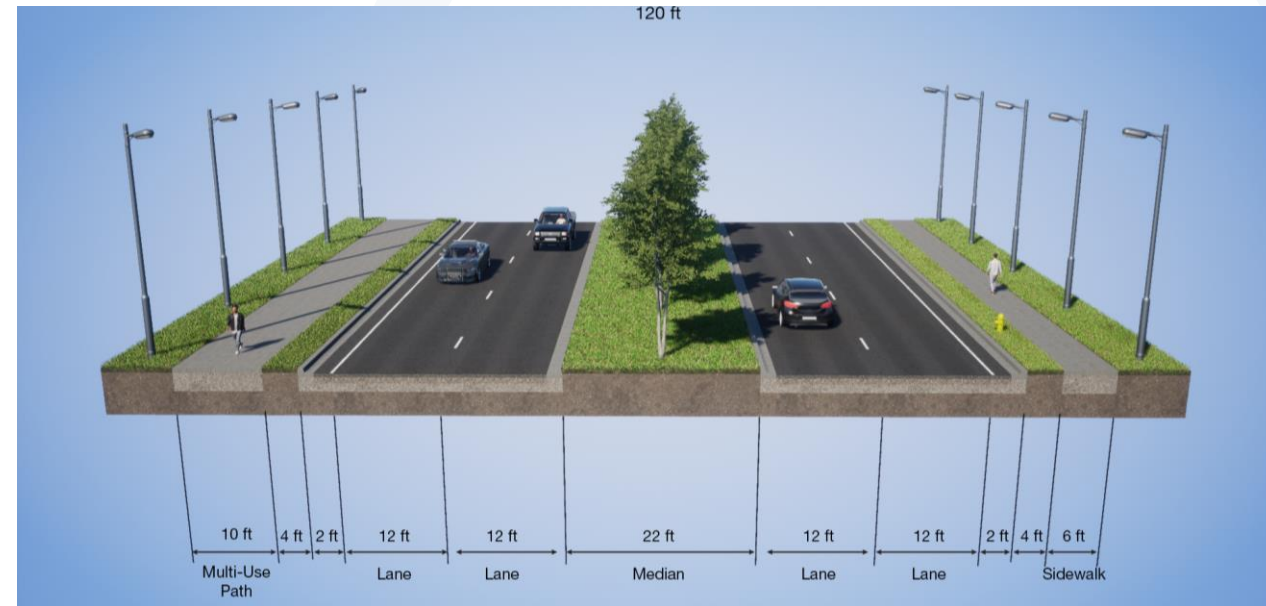
Project Background

- Existing Conditions
 - 12' two-lane rural undivided
 - Unpaved shoulders
 - No continuous sidewalks
 - No stormwater ponds
 - Several horizontal curves in southern portion



Project Background

- Proposed Condition:
 - 12' four-lane divided arterial roadway
 - 40 & 45 mph speed limit
 - Curb and gutter
 - 22' median
 - 10' multi-use path
 - 6' sidewalk
 - Roadway lighting
 - 4 stormwater management ponds



Project Background

- Design is currently underway (30% complete)



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Title VI Compliance

Orange County will not exclude from participation in, deny the benefits of, or subject to discrimination any person on the grounds of race, color, national origin, sex, age, disability, religion, income, or family status.

For questions or concerns, you may contact:

Orange County
Human Resources
(407) 836-5661
HumanResources@ocfl.net

Nicola Norton
County ADA Coordinator
(407) 836-6568
Nicola.Norton@ocfl.net

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PD&E Study

- Why update the Study?
 - RCA evaluation based on State's previously approved standards
 - Recent changes to those standards
 - Project currently under design using previously approved standards
 - Detailed survey and data collection during design
 - Pre-application meeting (Sept 2025)
 - Reviewed impacts for design refinements

Roadway Conceptual Analysis for Avalon Road (CR 545) From US 192 to Hartzog Road



Prepared for



Orange County Public Works

Prepared by



March, 2024

PD&E Study

■ Legislative Update Timeline

Legislation

- June 2020 – Clean Waterways Act signed
- March 2023 – Rules adopted
- June 2024 – Rule ratified & signed into law

Grandfathering Criteria

- Public transportation project
- Completed PD&E study prior to effective date (June 2026)

Avalon Road Widening

- SFWMD early coordination – Accepted RCA
- SFWMD pre-app meeting September 2025

Current Evaluation

- RCA utilizes most PD&E requirements
- Update from RCA desktop to PD&E field analysis
- New and updated analysis performed

PD&E Study

- What is included in the new rule?
 - Change in industry practice of calculating stormwater management criteria
 - Maintains or enhances stormwater treatment, regulatory requirements, and environmental protections
 - Grandfather provisions that provide regulatory consistency for projects that have undergone environmental review and/or design under old rule
- What is included in the grandfathering provisions?
 - Balance of environmental improvement by State for projects in progress
 - Consistency with SFWMD ERP Applicant's Handbook Volume I, Section 3.1.2(e)
- ERP pre-application meeting held on September 30, 2025

PD&E Study

| | | Issues/ Resources | RCA | Refined | PD&E Finding |
|----------------------|-----|---|-----|---------|----------------|
| Social & Economic | 1. | Social | X | | No Impact |
| | 2. | Economic | X | | No Impact |
| | 3. | Land Use Changes | X | | No Impact |
| | 4. | Mobility | X | | Enhanced |
| | 5. | Aesthetic Effects | X | | Enhanced |
| | 6. | Relocation Potential | X | | No Involvement |
| | 7. | Farmland Resources | X | | No Involvement |
| Cultural | 8. | Section 106 of the National Historic Preservation Act | X | X | No Impact |
| | 9. | Section 4(f) of the USDOT Act of 1966, as amended | X | X | No Impact |
| | 10. | Section 6(f) of the Land and Water Conservation Fund | X | X | No Impact |
| | 11. | Recreational Areas and Protected Lands | X | X | No Impact |

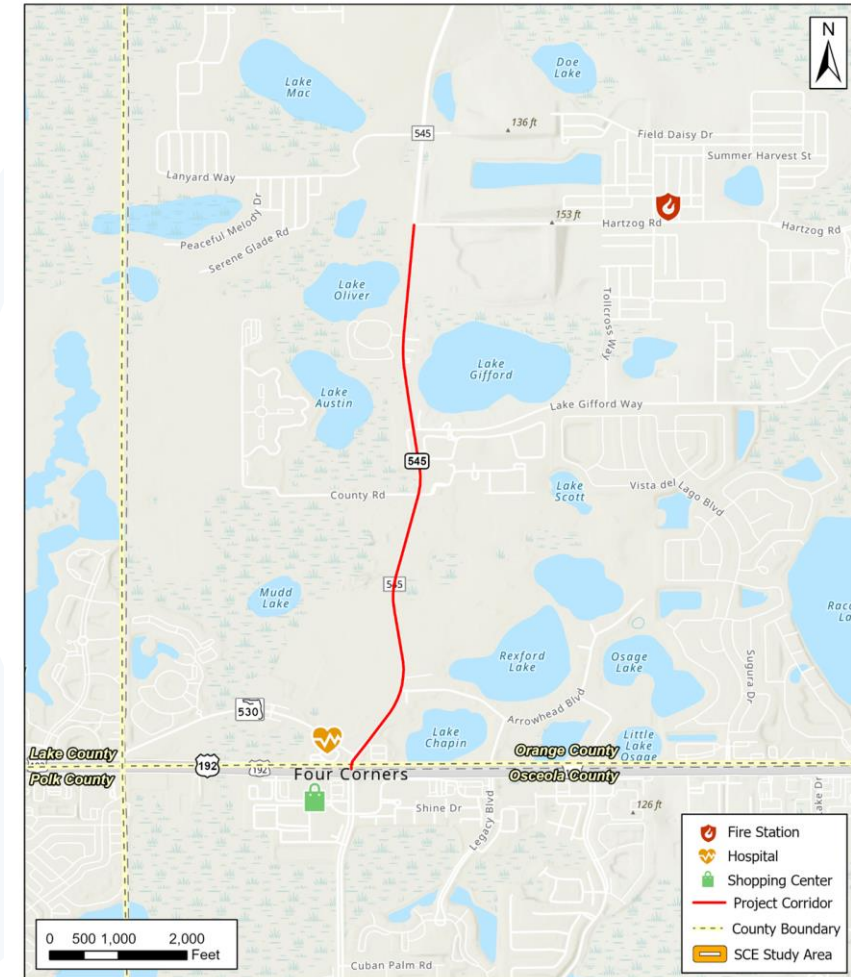
PD&E Study

| | Issues/ Resources | RCA | Refined | PD&E Finding |
|----------|---------------------------------------|-----|---------|----------------|
| Natural | 12. Protected Species and Habitat | X | X | No Impact |
| | 13. Wetlands and other Surface Waters | X | X | Some Impact |
| | 14. Essential Fish Habitat | X | X | No Involvement |
| | 15. Floodplains | X | X | No Impact |
| | 16. Aquatic Preserves | X | X | No Involvement |
| | 17. Outstanding FL Waters | X | X | No Involvement |
| | 18. Wild and Scenic Rivers | X | X | No Involvement |
| Physical | 19. Highway Traffic Noise | | X | Some Impacts |
| | 20. Air Quality | | X | No Impact |
| | 21. Contamination | X | X | No Impact |
| | 22. Utilities | X | | Some Impacts |
| | 23. Railroad | X | | No Involvement |

Project has no significant impacts.

PD&E Study

- 1. – 7. Socioeconomic Analysis
 - Limited community resources near corridor
 - Walkable neighborhoods with access to local services
 - Added sidewalks, multi-use path, crosswalks, pedestrian signals, and lighting to reduce conflicts and increase safety
 - Consistent with local/regional planning goals
 - Improving mobility, safety, and quality of life without affecting community character



PD&E Study

- 8. – 11. Cultural Resource Assessment Survey (CRAS)
 - One previously recorded historic site identified (14621 Avalon Road)
 - Reevaluated and is ineligible
- 20. Air Quality
 - No adverse impacts
- 21. Contamination
 - Medium risk sites - 1
 - No risk sites - 3



PD&E Study

- 12. – 18. Natural Resources
 - Preliminary wetland impacts based on estimated values: 1.74 acres
 - Detailed analysis
 - Wetland: 2.51 indirect acres and 3.55 direct acres
 - Surface water: 0.94 acres
 - Protected Species Surveys

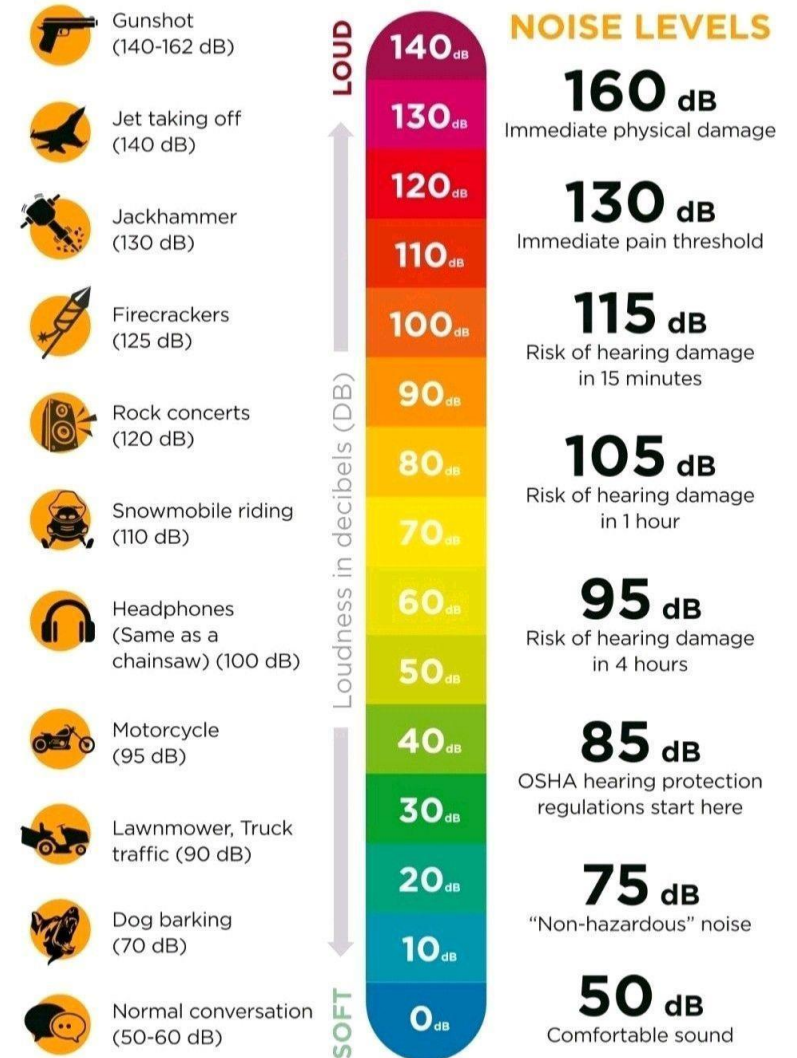
Unavoidable wetland impacts will be mitigated pursuant to all federal and state requirements.

PD&E Study

19. Highway Traffic Noise

- Studied 212 single family residences, condominium balconies and patios, pools
- 38 residential units are predicted to have noise levels above the 66 dBA criteria threshold
- No receptors will have a substantial increase (15 dBA or more)

| Scenario | Noise Level Range |
|-------------------|----------------------|
| Existing | 43.9 dBA to 64.9 dBA |
| Build Alternative | 48.8 dBA to 67.3 dBA |



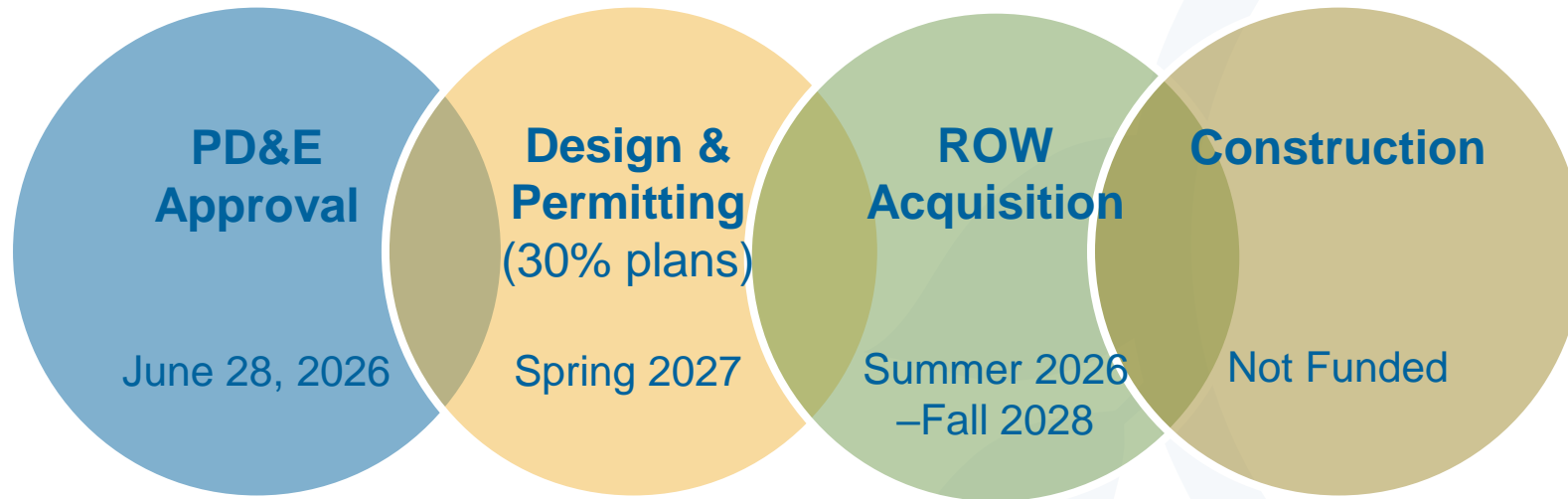
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Schedule

Avalon Road (CR 545) US 192 to Hartzog Road



** Schedule subject to change.*

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Summary

- RCA approved March 16, 2023
- PD&E update provides additional elements to meet grandfather provision
- Project has no significant impacts
- Permit pre-application meeting held with SFWMD in Sept. 2025
- Design phase is at 30% plans

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Public Comment

- Public comment period
 - April 14,2026 to May 5,2026
- Public comment submission methods
 - Email or mail to the Orange County project manager
 - Verbally
- Comments received to be included in the updated public record



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Action Requested

- Approval of update to the Avalon Road RCA Study to the Avalon Road PD&E Study and allow for the continuation for design, right-of-way acquisition, and construction