

# Island Mobility Plan

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ISAC Presentation  
September 4, 2024



# Agenda

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1. Background
2. Review ROW users
3. PR 22
4. Additional Items & Next Steps
5. Beach Access Road Update



# Background

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- **History / Timeline**

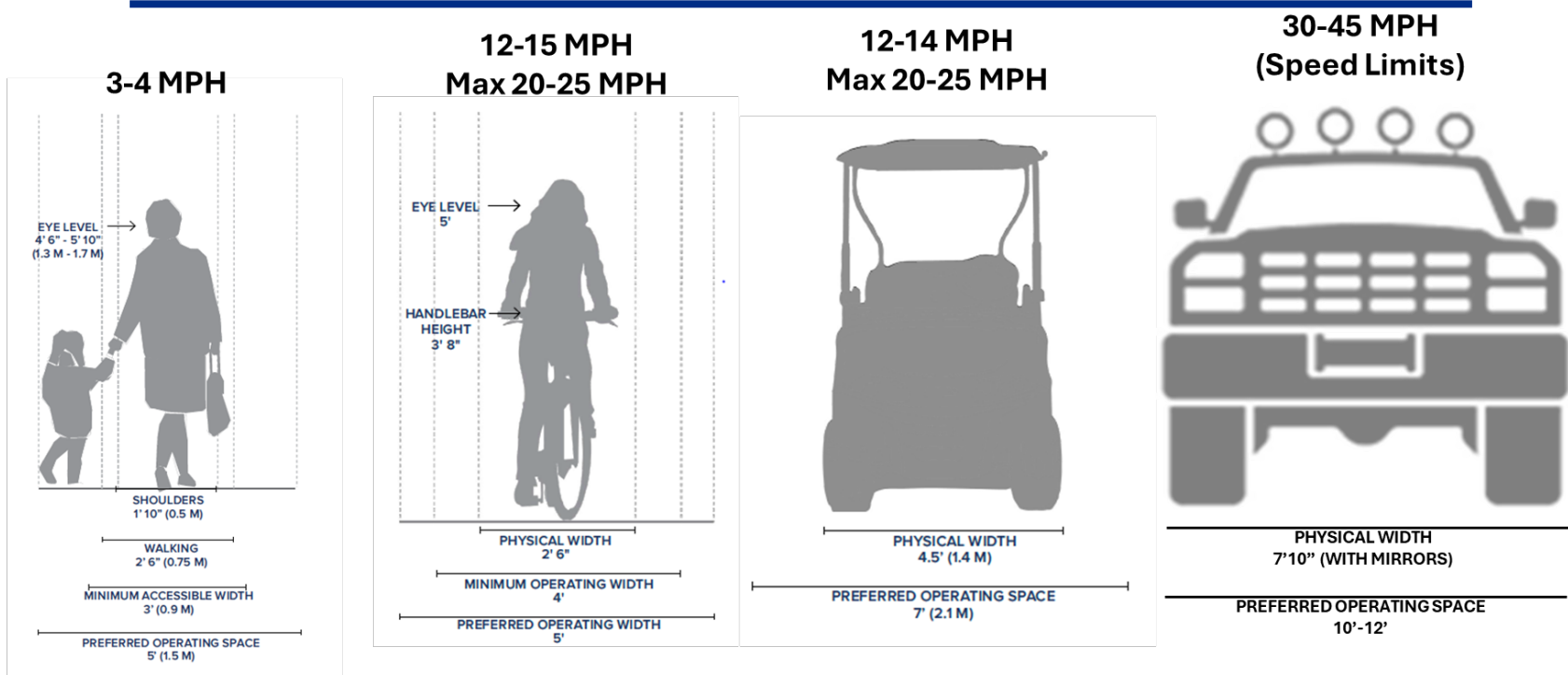
- Spring 2023 – Project Launch with PM Roger Montelongo / Econ. Dev Dept.
- Spring/Summer 2023 – Existing Conditions Review
- August 8, 2023 – Project intro at ISAC + First Survey Launched
- Fall 2023 – Draft Recommendations Developed
  - October 2023 – Public Open House
- Winter 2023/24 - Finalize Recommendations
  - November 2023 – 2nd Online Survey
  - April 15, 2024 – Public Open House
- May 2024 – Project Management Transferred to Planning Department to Finalize Document

- **Draft Plan already informing TIRZ-funded Paper Streets Projects**

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# ROW User Profiles



Sources: Alta Planning + Design: Fayette County Master Plan Path System Design Guidelines (2019). Ford Motor Company: Ford F-150 (2024).



# PR 22 ROW Design

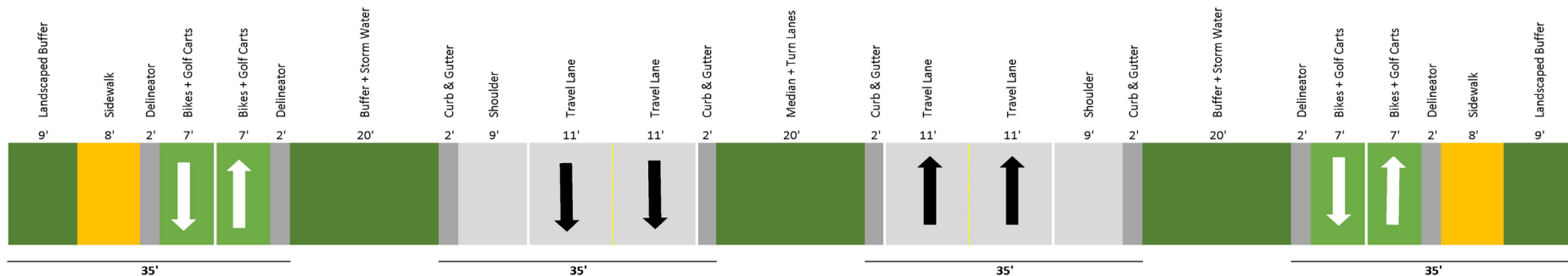
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- TxDOT Funding PR 22 corridor upgrades between Aquarius and Whitecap for pedestrians and access management improvements without adding road capacity.
  - ROW = Approximately 200 feet
  - PR 22 Average Annual Daily Traffic (AADT) (*TX A&M Transportation Institute*)
    - Aquarius to Hwy 361 / Commodores = 30,500 AADT
    - Hwy 361 to Sea Pines = 21,150 AADT
    - Comparison street segments:
      - Staples (Saratoga to Yorktown) = 31,400
      - Rodd Field (SPID to Saratoga) = 33,000
  - Secondary Arterial Divided (A2) - 20-32k ADT max preferred
  - Target automobile speeds of 45 mph
  - 2 automobile travel lanes in each direction + Median Separation
  - Landscaped buffer between automobiles and other users. Stormwater / Green Infrastructure Opportunity?
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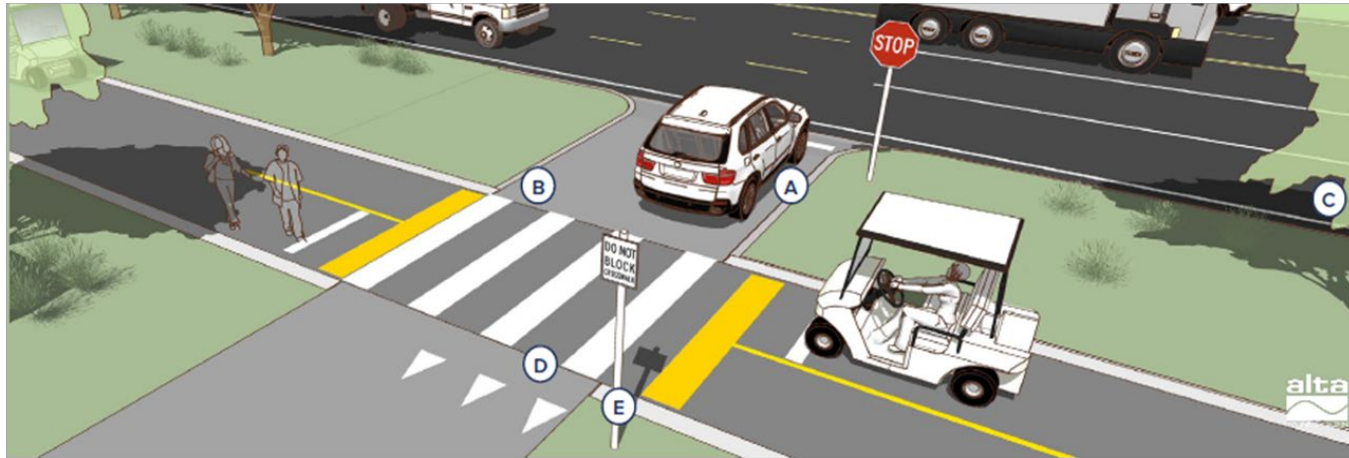
# Example Street Cross Section

200 ft. ROW





# Unsignalized Driveways



Source: Alta Planning + Design: Fayette County Master Plan Path System Design Guidelines (2019).



# Bridge ROW







# Additional Items

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1. Don Patricio Water Exchange Bridge connectivity.
2. Consistent elements guiding street cross sections.
3. Prioritization of projects.
4. Need to Coordinate with County and TxDOT before releasing Public Draft Document.
5. Return to ISAC for Document Review / Approval.



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# Questions?

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