



Presentation of

# Periwinkle Way Bridge Replacement

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2-4-2025

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# Existing Bridge Deficiencies

1. Seawall narrows at the bridge
2. Stormwater funneling at bridge – increases velocity
3. Narrow navigation span
4. Shallow seawall embedment
5. Substandard north sidewalk
6. Substandard sight distance

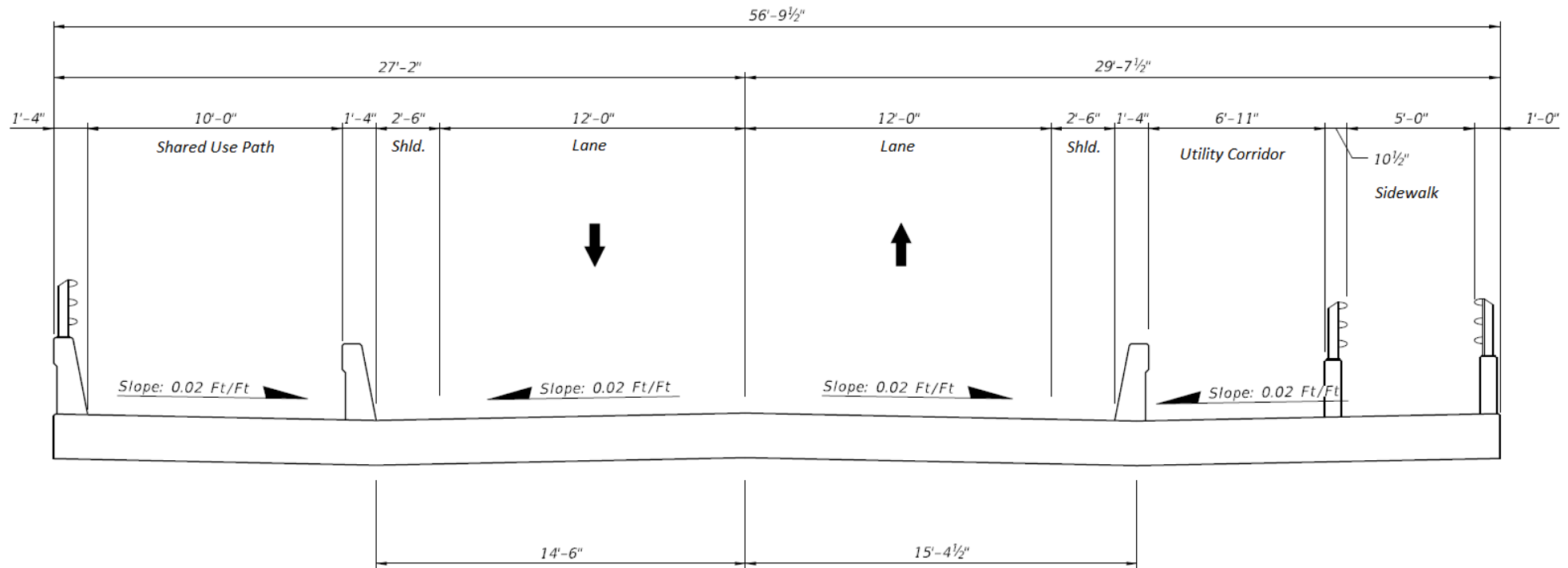
## Hurricane Ian Damage



# Proposed Improvements

# Proposed Improvements – Increase Usage Widths

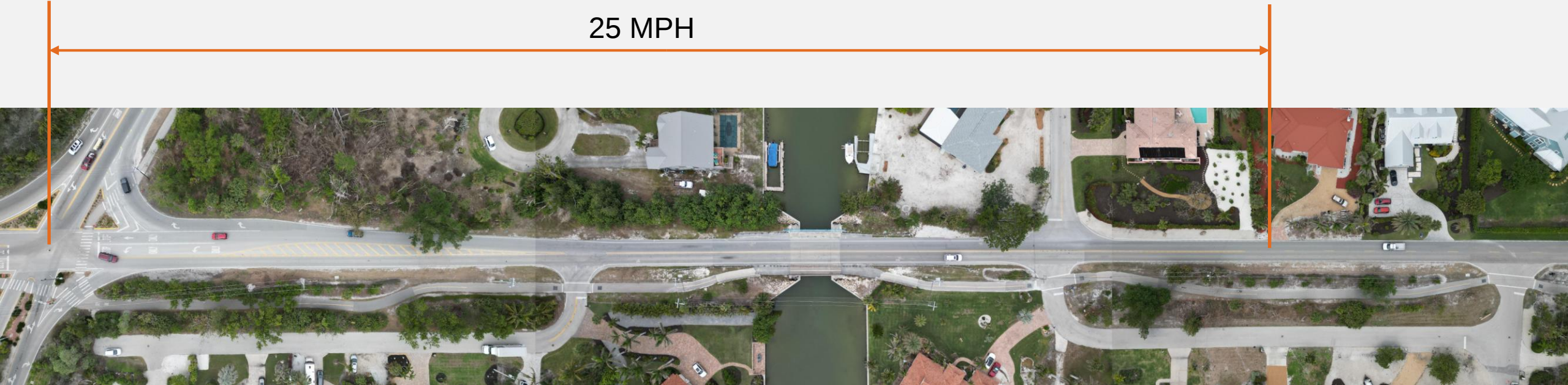
- 12'-0" lane width (existing 11'-0")
- 10'-0" Shared Use Path (existing 8'-0")
- 5'-0" north sidewalk (existing 3'-6")
- Utility Corridor



# Proposed Improvements – Improve Profile

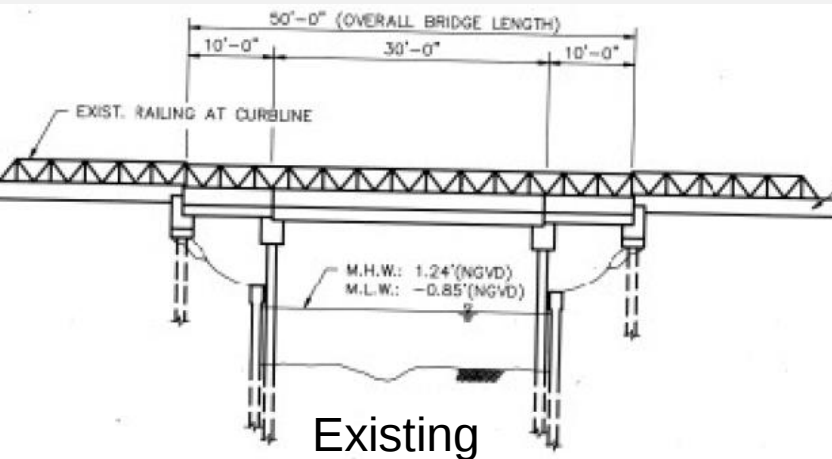
- Reduced Speed from 35 MPH to 25 MPH and increase height of profile
- Improve Stopping Sight Distance

25 MPH

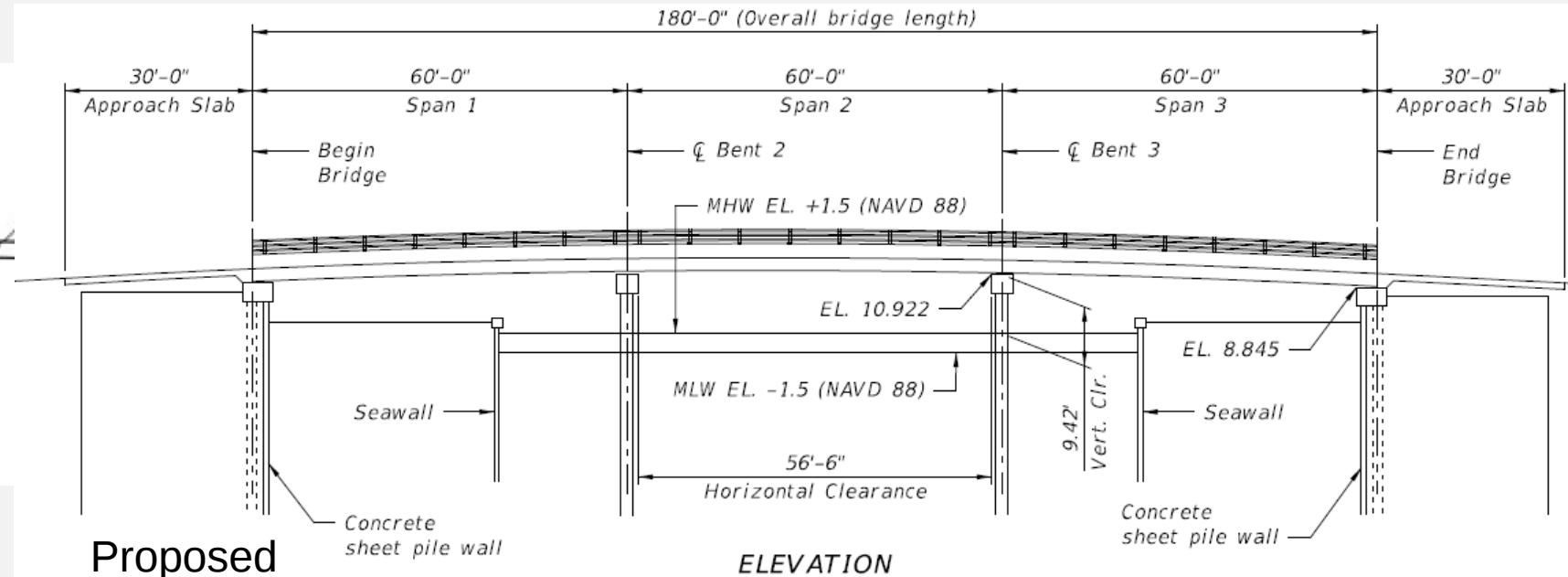


# Proposed Improvements – Improve Navigation Span

- Horizontal Clearance 56.5 feet (existing 28.5 feet)
- Low member elevation 10.9 (existing 9.9)
- Deeper Seawall Embedment improves scour protection
- Seawall aligns with existing neighborhood seawall
- Bridge ends protected by concrete sheet pile wall



Existing



Proposed

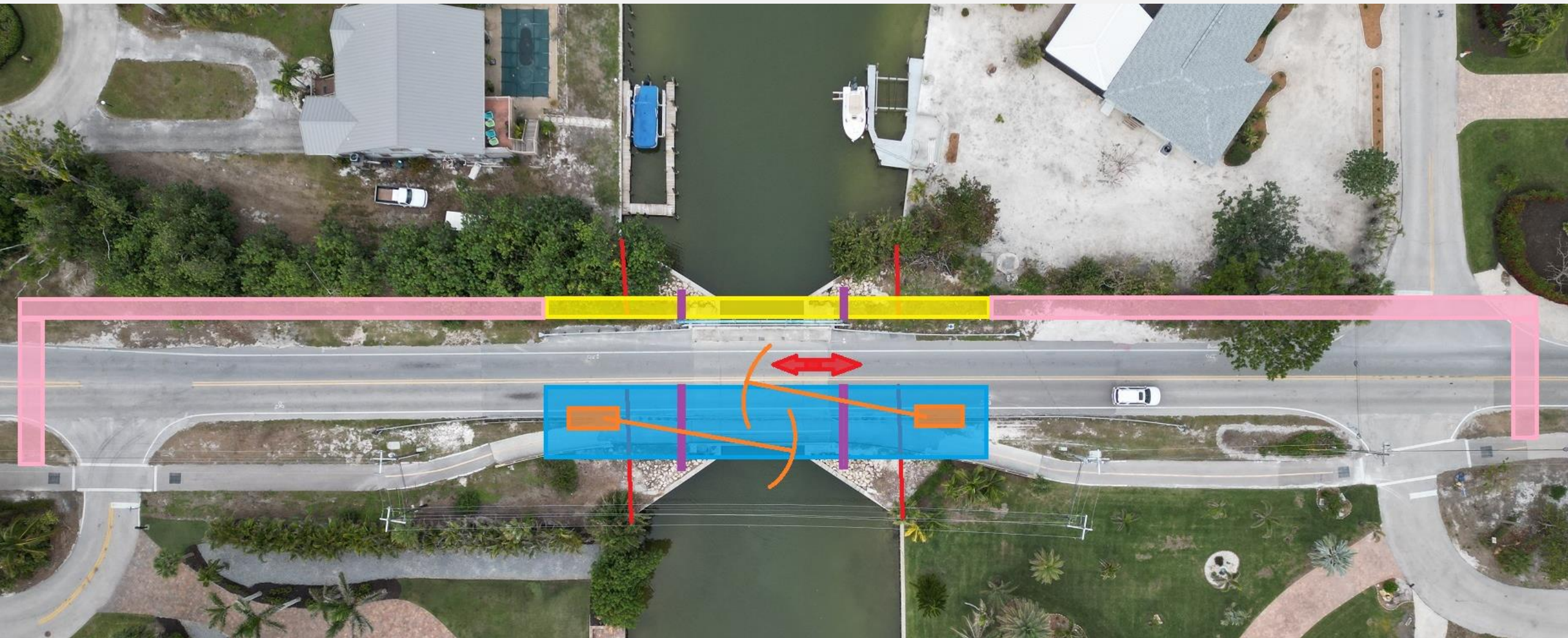
ELEVATION

# Construction Sequence

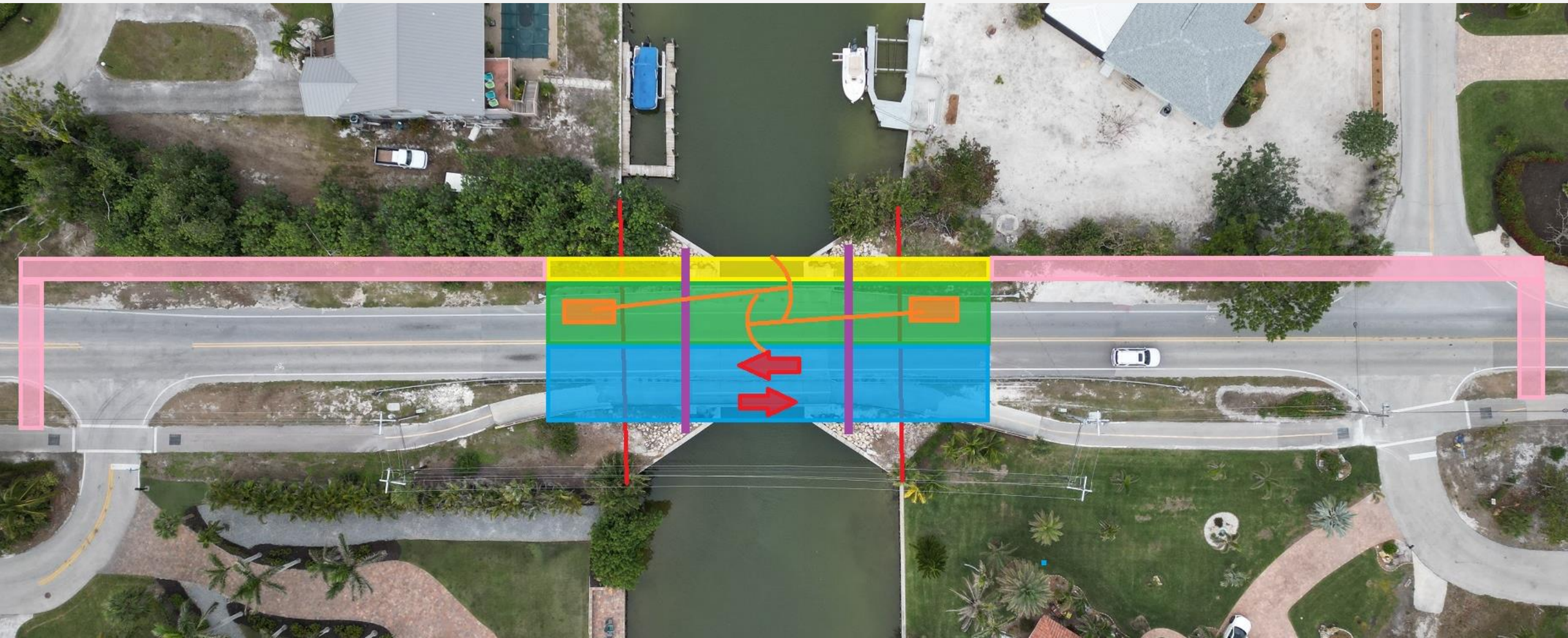
# Phase 1



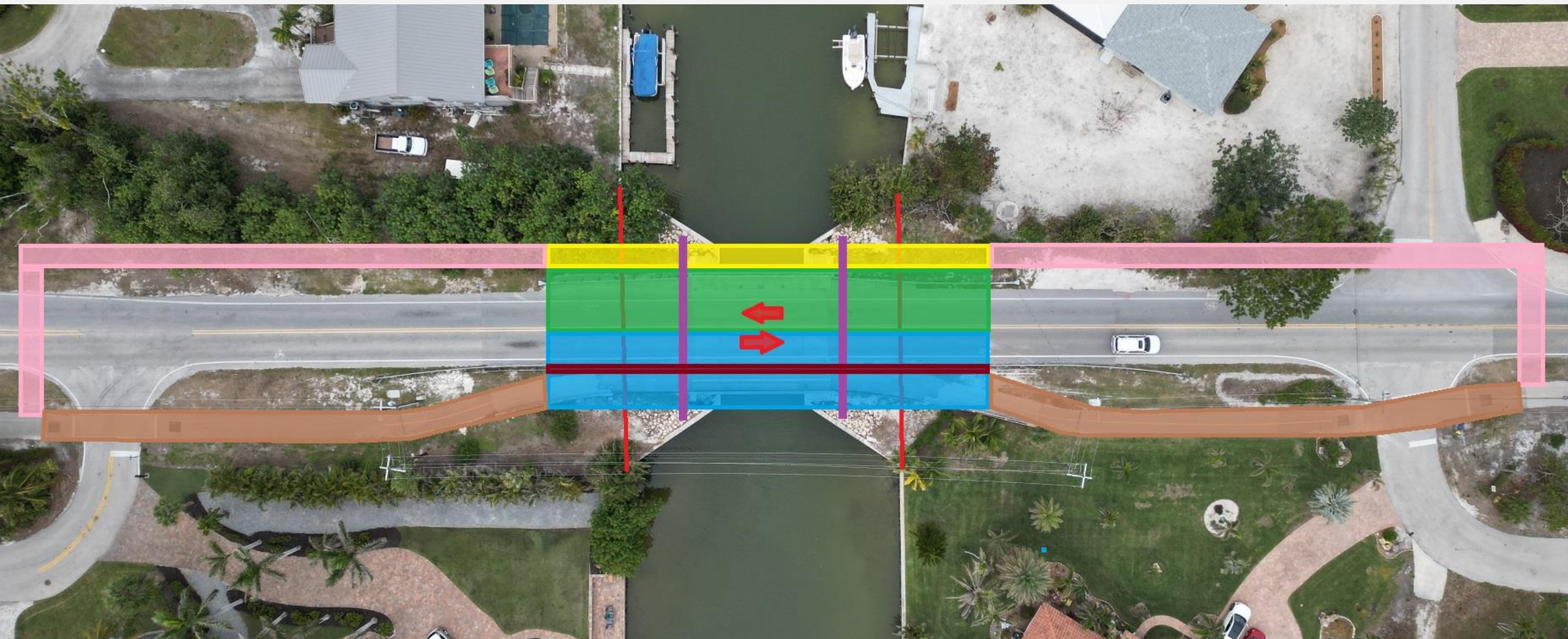
# Phase 2



# Phase 3



# Phase 4



# Estimated Schedule

# Estimated Construction Schedule

- Anticipate Contract Award April 2026
- Material Acquisition – 4 months
- Initial mobilization – 1 month
- Phase 1 – 9 months
  - No Traffic Impact
- Phase 2 – 9 months
  - One Lane Two-Way Traffic
- Phase 3 – 9 months
  - Two Lanes Each-Way Traffic
- Phase 4 – 2 months
  - Resume Existing Traffic Operation



# Thank You

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