



# Cortez Bridge

## Project Development and Environment (PD&E) Study

PROJECT UPDATE TO  
MANATEE COUNTY BOARD OF COUNTY  
COMMISSIONERS

June 7, 2016



# Purpose of Study

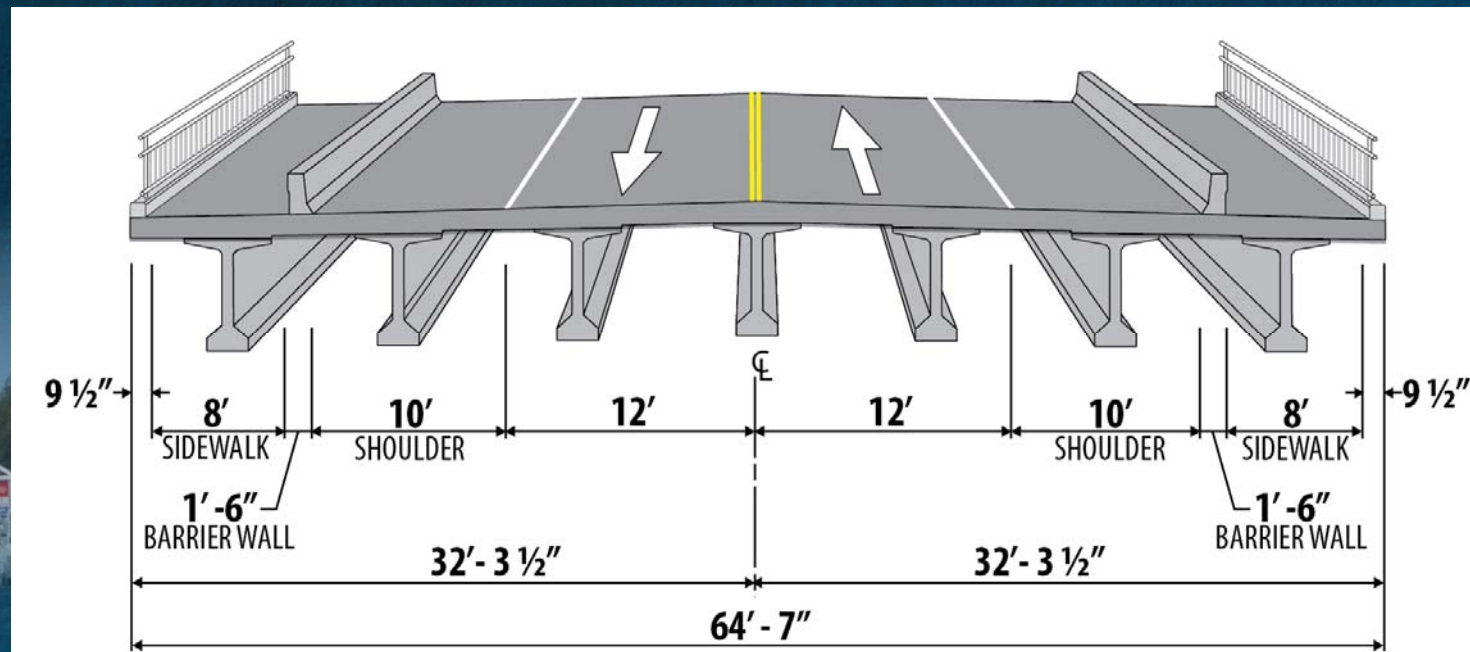
- Address deteriorating structural condition & substandard design features (1956)

## Previous Repair Projects

- **2015, \$4.4 million**
  - Structural, mechanical, and electrical
  - Nighttime closures
- **2009-2010: \$740,000**
  - Pile jackets, concrete repair, steel painting
- **1996, \$2.1 million**
  - Structural, mechanical, and electrical
  - 56-day detour

# Initial Alternatives

- Rehabilitation - Replace deck & beams on old piles
  - Keep existing typical section
- Two-Lane Bridge Replacement
  - Low-level drawbridge (21-ft)
  - Mid-level drawbridge (45-ft)
  - High-level fixed bridge (65-ft)





# Bus Lane Alternatives

- Manatee County Public Works Department
  - “provide a dedicated transit lane on both bridges” (April 1, 2015 letter)
- Typical Sections
  - Outside Bus Lanes
  - Center Bus Lane (Reversible)
- Requires Park & Ride



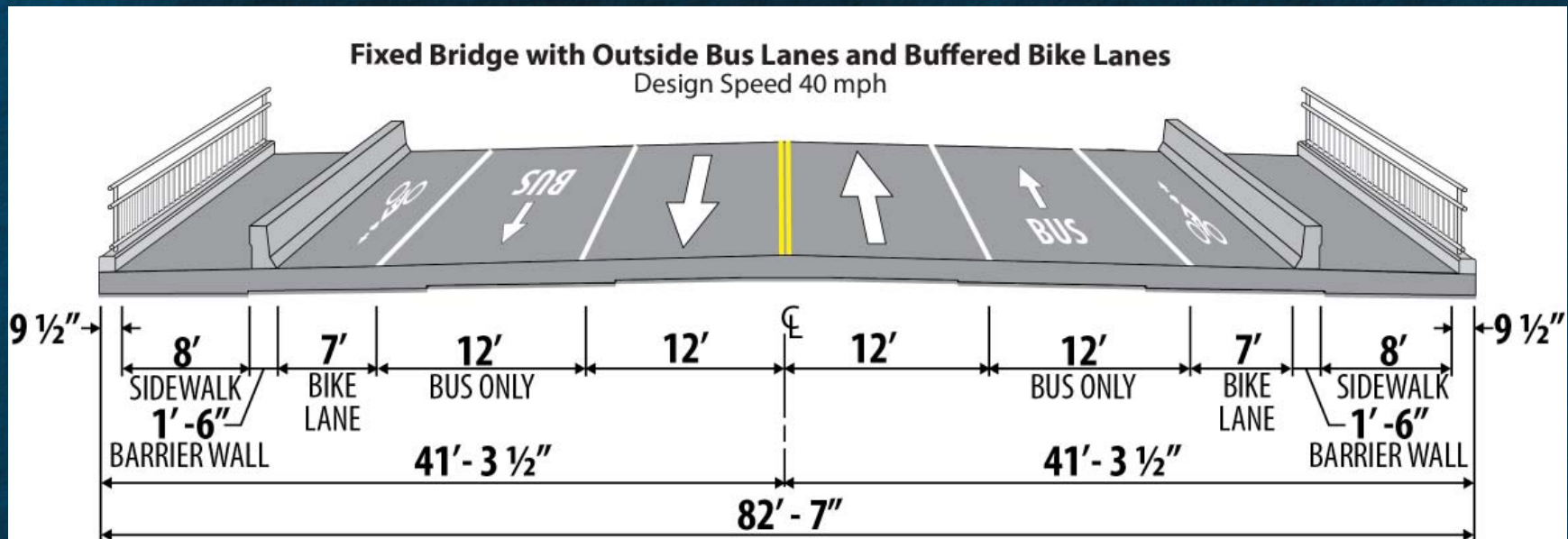


# Bus Lane Alternatives

- Increase from 2 to 4 buses in peak hour
  - 5% Mode Split
  - Reduction of 540 vehicles/day out of 18,500 (2.9%)
    - Mode Split Estimates for Center Bus Lane Option (VHB, July 2015)
  - Bus volumes should be 30 – 40 per peak hour to justify exclusive bus lanes (outside CBD)
    - Bus lane warrants provided in the Transit Cooperative Research Program (TCRP) Synthesis 83 - Bus and Rail Transit Preferential Treatments in Mixed Traffic

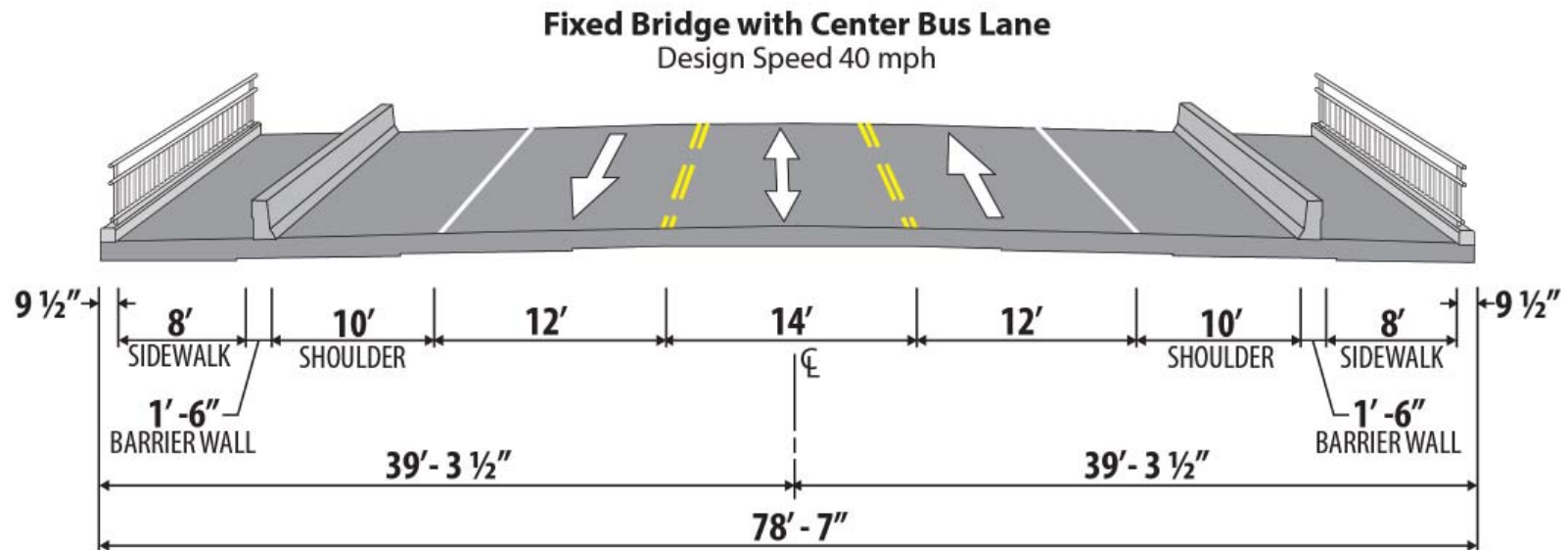


# Outside Bus Lane Alternatives



| Additional Costs & Impacts     | Outside Bus Lane Bascule | Outside Bus Lane Fixed |
|--------------------------------|--------------------------|------------------------|
| Parcels Impacted               | + 16                     | + 12                   |
| Business Relocations           | + 2                      | + 3                    |
| Residential Relocations        | + 2                      | + 2                    |
| <b>Total Cost</b>              | <b>\$134.1M</b>          | <b>\$84.1M</b>         |
| <b>Cost Compared to 2-lane</b> | <b>+ \$38 Million</b>    | <b>+ \$19 Million</b>  |

# Center Bus Lane Alternative



| Additional Costs and Impacts   | Center Bus Lane<br>Bascule | Center Bus Lane<br>Fixed |
|--------------------------------|----------------------------|--------------------------|
| <b>Parcels Impacted</b>        | <b>+ 2</b>                 | <b>+ 3</b>               |
| <b>Business Relocations</b>    | <b>0</b>                   | <b>0</b>                 |
| <b>Residential Relocations</b> | <b>0</b>                   | <b>0</b>                 |
| <b>Total Cost</b>              | <b>\$120.0M</b>            | <b>\$74.6M</b>           |
| <b>Cost Compared to 2-lane</b> | <b>+ \$24 Million</b>      | <b>+ \$10 Million</b>    |



## What's Next?

- Continue coordination with Manatee County
- Mail out survey to public gauging support for the alternatives
- Hold second Alternatives Public Meeting
  - Summer 2016
- Complete documentation
- Agency coordination
- Public Hearing in Winter 2016/2017







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# Questions?

