



# Bridge Maintenance Program

- Current Status
- Tom Adam's Bridge
- Rehab vs replacement
- Bridge maintenance master plan



# Bridge Maintenance Program

- 141 Bridges
- Bridge Ages
  - 46 bridges over 40 years old
  - 13 bridges over 50 years old
- FDOT Inspections
  - Every 2 years
  - Good information but not in depth
  - No structurally deficient bridges



# Bridge Maintenance Program

## Tom Adam's Bridge

- Need to have extensive maintenance program
  - Only access to Manasota Key in Charlotte County
  - Not enough room to replace bridge while keeping access
- Two main maintenance items
  - Maintenance and replacement of the mechanical equipment
  - Painting of the bridge to prevent steel erosion
- Cost estimate \$1.25M every 10 years



# Bridge Maintenance Program

- County has been more reactive than proactive
- Maintenance of bridges will prolong the life and save money
- Rehab vs Replacement
  - Rehab cost estimate - \$1M
    - Must be done in a timely manner
  - Replacement cost estimate - \$3M
    - May be other reasons to replace
      - Widening roadway
      - Functionality



# Bridge Maintenance Program

## Next Steps

- Yearly maintenance costs budgeted for each bridge
- Develop a bridge maintenance master plan
  - Inspect bridges
  - Overall plan and schedule for maintenance
  - Rehab /replacement schedule
- Start a rehab program (replacement when necessary)



# Bridge Maintenance Program

- Estimated costs
  - Yearly maintenance - \$5,000/bridge
    - \$700,000/year
      - Gas tax and MSBU funding
  - Bridge maintenance master plan
    - \$600K
  - Rehab/replacement
    - Based on consultants findings



# Questions?