

Beckett Bridge PD& E Study Elected Officials Kick-Off Meeting



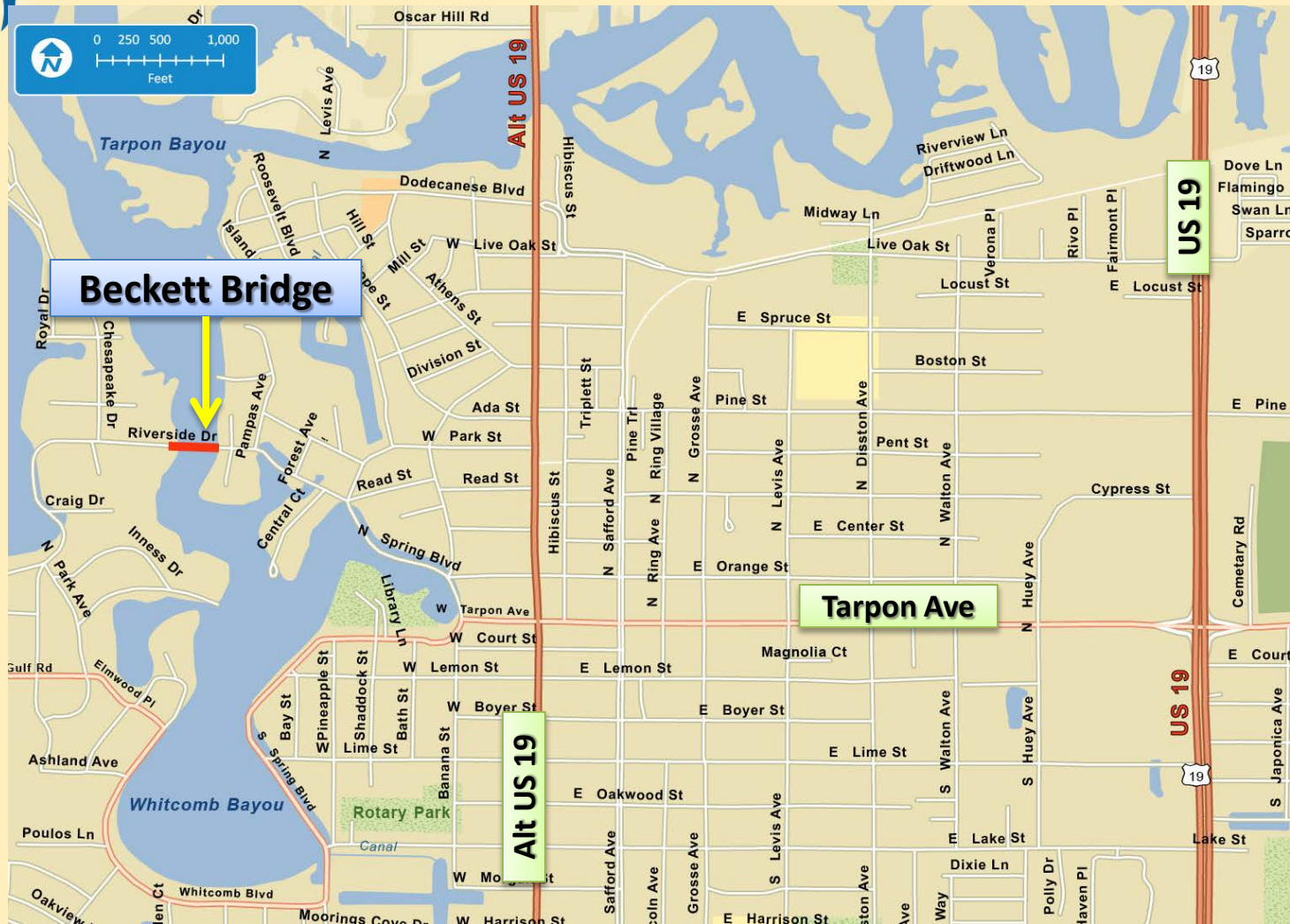
ECDriver
& Associates, Inc.

URS


JANUS
RESEARCH

March 2012

Pinellas County Project Location





- 
- **Original Timber Construction – 1924**
 - **Rebuilt Concrete Bridge – 1956**
 - Major Repairs in 1979, 1998 and 2011
 - **Sufficiency Rating - 44.9 (Scale of 1 -100)**
 - Structural Concerns
 - Functionally Obsolete

- Vertical Clearance – 6 ft
- Horizontal Clearance – 25 ft
- Opens with 2-hr Notice



- **Structural Issues**
 - Posted Weight Restrictions (12 tons)
 - Foundations susceptible to settlement
 - Scour Susceptible



- **Functionally Obsolete**
 - **Narrow Sidewalks**
 - Do Not Meet ADA Requirements




- **Narrow Lanes**
 - No Shoulders
 - No bicycle lanes

- **Functionally Obsolete**
 - **Guardrails and Bridge Railings Don't Meet Safety Standards**
 - **Vertical Clearance Limited in Open Position**

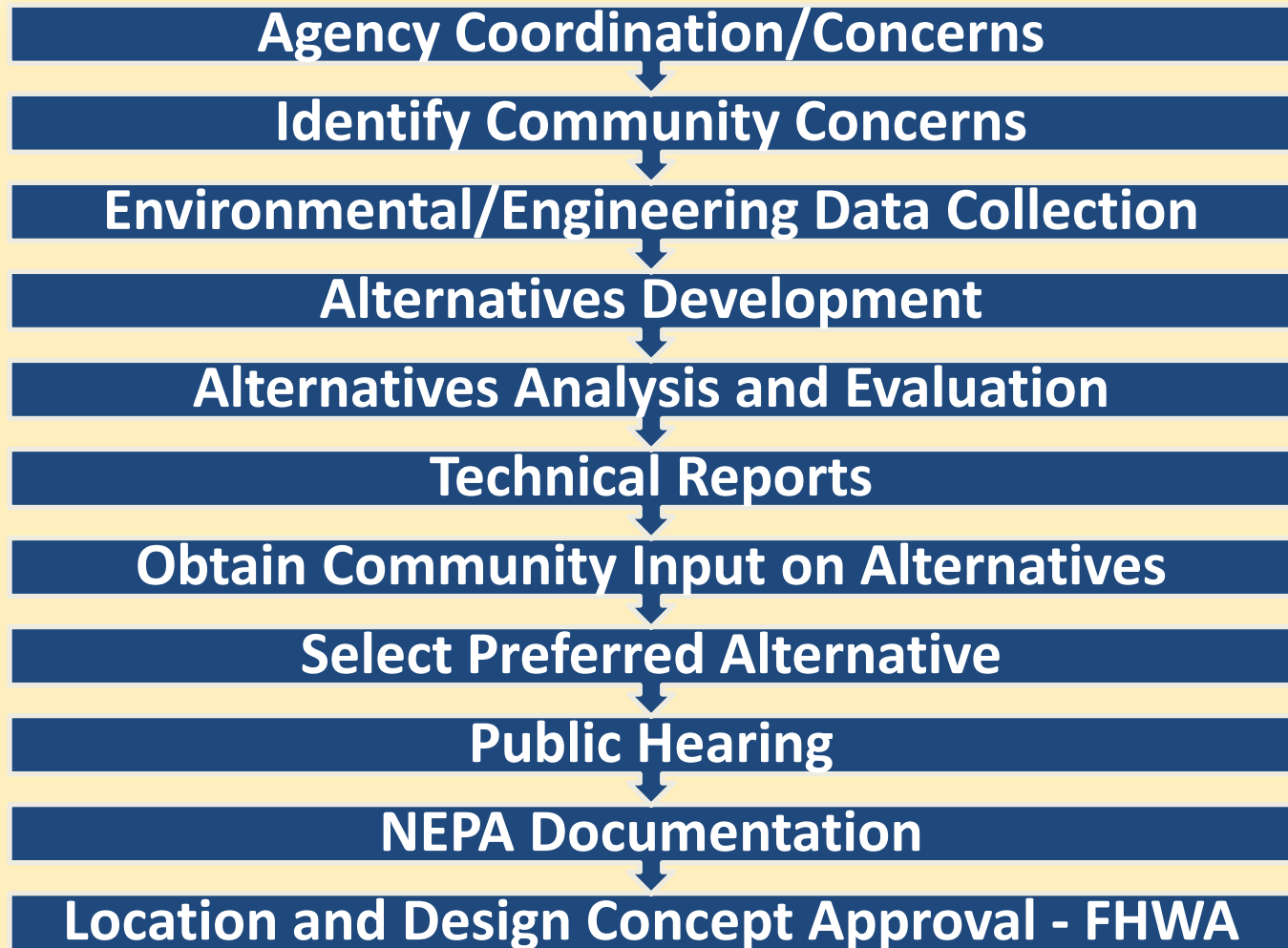


Alternatives to Be Evaluated

- **No- Build**
- **No-Build with Permanent Removal of Existing Bridge**
- **Rehabilitation**
- **Replacement on Existing Alignment**
 - with a Two-Lane Fixed Bridge
 - with a Two-Lane Movable Bridge

- 
- **Build Consensus on a Preferred Alternative that:**
 - Minimizes Impacts
 - Addresses Community Needs/Concerns
 - Economically addresses engineering issues
 - Reduces long term maintenance costs
 - **Obtain Location and Design Concept Acceptance (LDCA) from FHWA**

Overall Project Approach



- **Limited Right-of-Way**
 - 50 ft ROW East of Bridge
 - 40 ft ROW West of Bridge



- **Adjacent properties**
- **Driveways**

- **Limited construction access**
 - Narrow channel and shallow water
 - Docks adjacent to bridge



- **Typical Section**
 - Accommodate Future Trails
 - 5-foot sidewalks both sides
 - Multiuse Path – one side
 - Avoid Right-of-Way Impacts
 - Travel Lanes
 - 10 or 11 feet wide



- Coordinate with USCG to establish acceptable minimum vertical clearance
- Conduct “Waterway Users Survey”
- Develop bridge profiles
 - minimize impacts
 - maximize vertical clearance



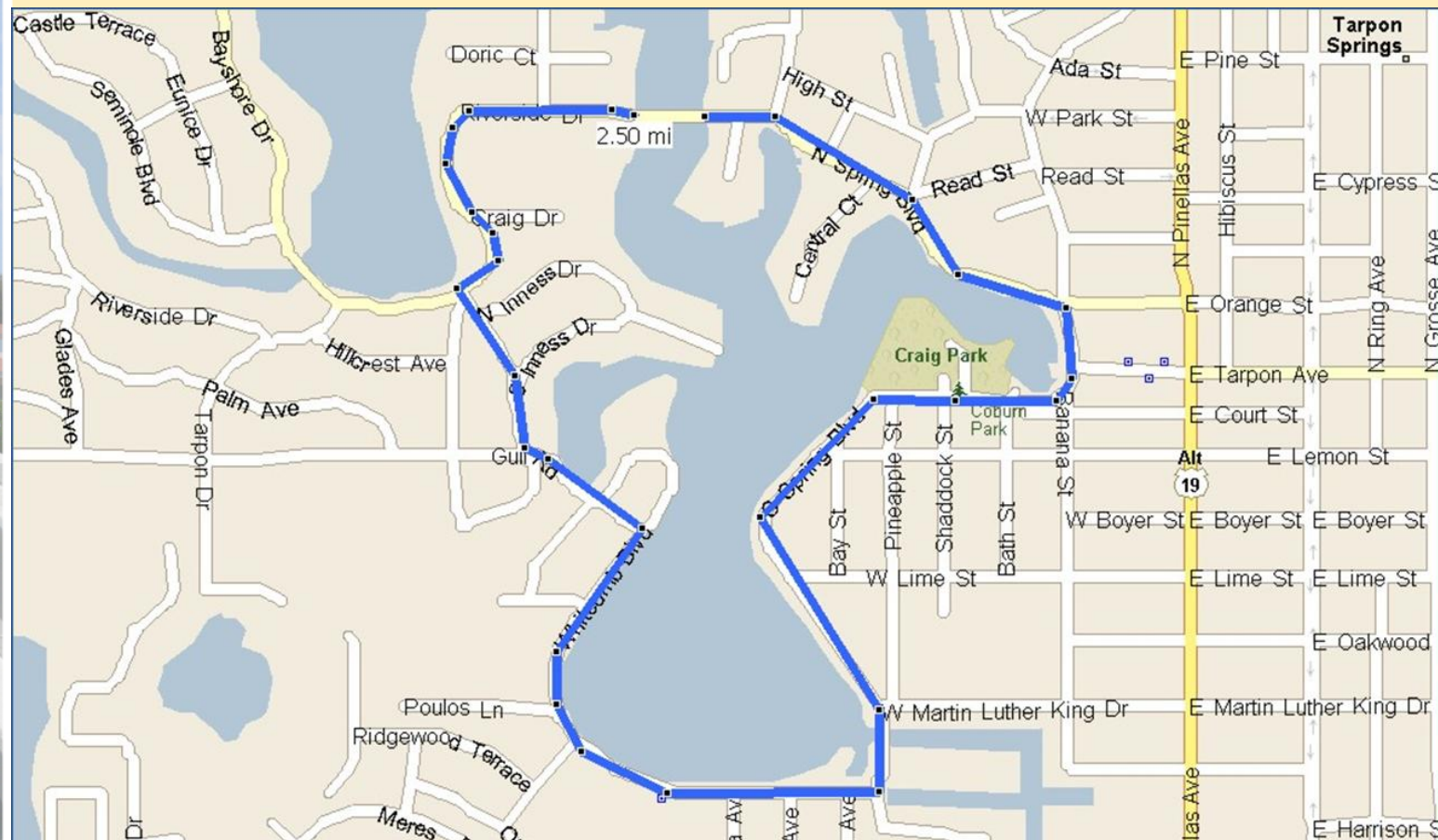
- Existing bridge drains directly to Ancloche River System (Outstanding Florida Waters)
- May require additional 50% treatment
- Limited right-of-way available for stormwater treatment
- Existing flooding in areas adjacent to the bridge



Traffic Analysis/Traffic Circulation Study

- Existing Conditions & Future Demand
- Detour Analysis
 - Traffic will be detoured during construction
 - Evaluate Alternative Routes
 - Consider Traffic if Bridge Permanently Removed

Pinellas County Previous Detour Route



Pinellas County Alternate Detour Routes



Wetlands/Surface Waters

Mangroves

- Minimal impacts

Seagrass

- Minimal-No Impacts

Mitigation

- Habitat Restoration
- Onsite/Offsite on County Owned Land



Wildlife/Habitat

Minimal Issues

- **Piping Plover**
- **Wood Stork**
- **Other wading birds**
- **Indigo Snake**





USFWS Consultation Area

*“Further coordination with our agency is important, and **will be necessary to develop customized or site-specific measures for this project.** Please contact [us] very early in the planning process for the PD&E Study”*

Scott Sanders – FWC, ETDM Review



- Existing Bridge may be Eligible for listing in the National Register of Historic Places (NRHP)
- If NRHP Eligible and Demolished
 - Additional Reports Required
 - Memorandum of Agreement Required between County, FDOT, FHWA, SHPO and possibly USCG
 - Identifies Impacts
 - Identifies Mitigation

Noise Analysis/Report

- No Regulatory Impacts Anticipated
- Busses and Trucks Increase Noise 1-2 Decibels
(Barely Perceptible)

Perceived Impacts

- Addition of trucks and Busses will Increase Noise



Air Quality Analysis

- **Construction Impacts**
 - Temporary
 - Unavoidable
- **No Long Term Impacts**



Contamination Impacts

- Level 1 Contamination Screening Evaluation
- Prepare Contamination Survey Evaluation Report
- Asbestos, Lead Paint & Creosote Potential



Stakeholders

Property Owners

Residents

Mariners

Commuters

Emergency Services

PSTA

School Board - Busses

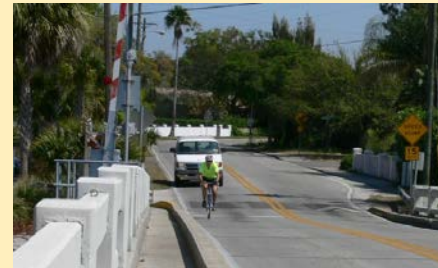
City of Tarpon Springs

Pinellas County

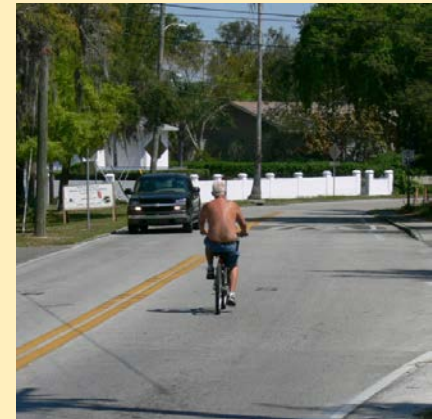
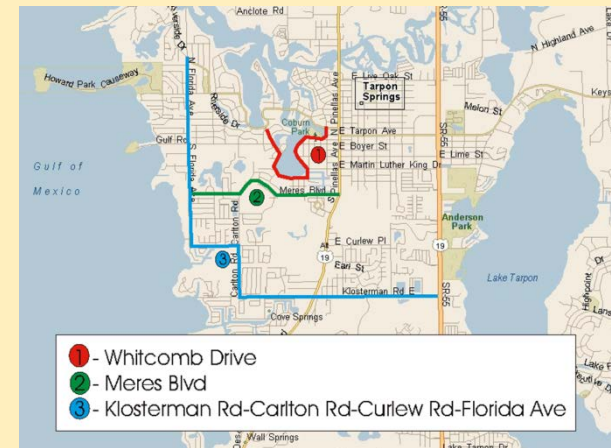
Assisted Living Facilities

Tourists (RV Park)

Agencies



- **Community Concerns**
 - Vertical Clearance
 - Noise
 - Construction Impacts
 - Detour/MOT
 - Aesthetics
 - Bicycle/Pedestrian Facilities



Project Specific Community Involvement Plan

- **Local Government Coordination**
- **Waterway Users Survey**
- **Small Group Stakeholder Meetings**
- **Newsletters**
- **Alternatives Workshop**
- **Public Hearing**
- **Project Website**



Pinellas County PD&E Schedule



| Task | 2012 | | | | 2013 | | |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Jan - Mar | Apr - Jun | Jul - Sep | Oct - Dec | Jan - Mar | Apr - Jun | Jul - Aug |
| Notice to Proceed | * | | | | | | |
| Public Involvement | | | | | | | |
| Elected Off Kick-Off Mtg | * | | | | | | |
| Section 106 Reports | | | | | | | |
| Env. & Eng. Data Collection | | | | | | | |
| Develop Alternatives | | | | | | | |
| Draft Eng./Env. Reports | | | | | | | |
| Alternatives Analysis | | | | | | | |
| Draft PER | | | | | | | |
| Alternatives Workshop | | | | * | | | |
| Select Preferred Alternative | | | | | | | |
| Section 106 Case Study ★ | | | | | | | |
| Section 4(f) Eval. (Bridge) ★ | | | | | | | |
| Public Hearing | | | | | * | | |
| Final Eng./Env. Reports | | | | | | | |
| MOA with FHWA/SHPO ★ | | | | | | | |
| Final PER | | | | | | | |
| Final FHWA Approval | | | | | | | * |

★ If Bridge NRHP Eligible

Questions?

