

Tri-County Trail

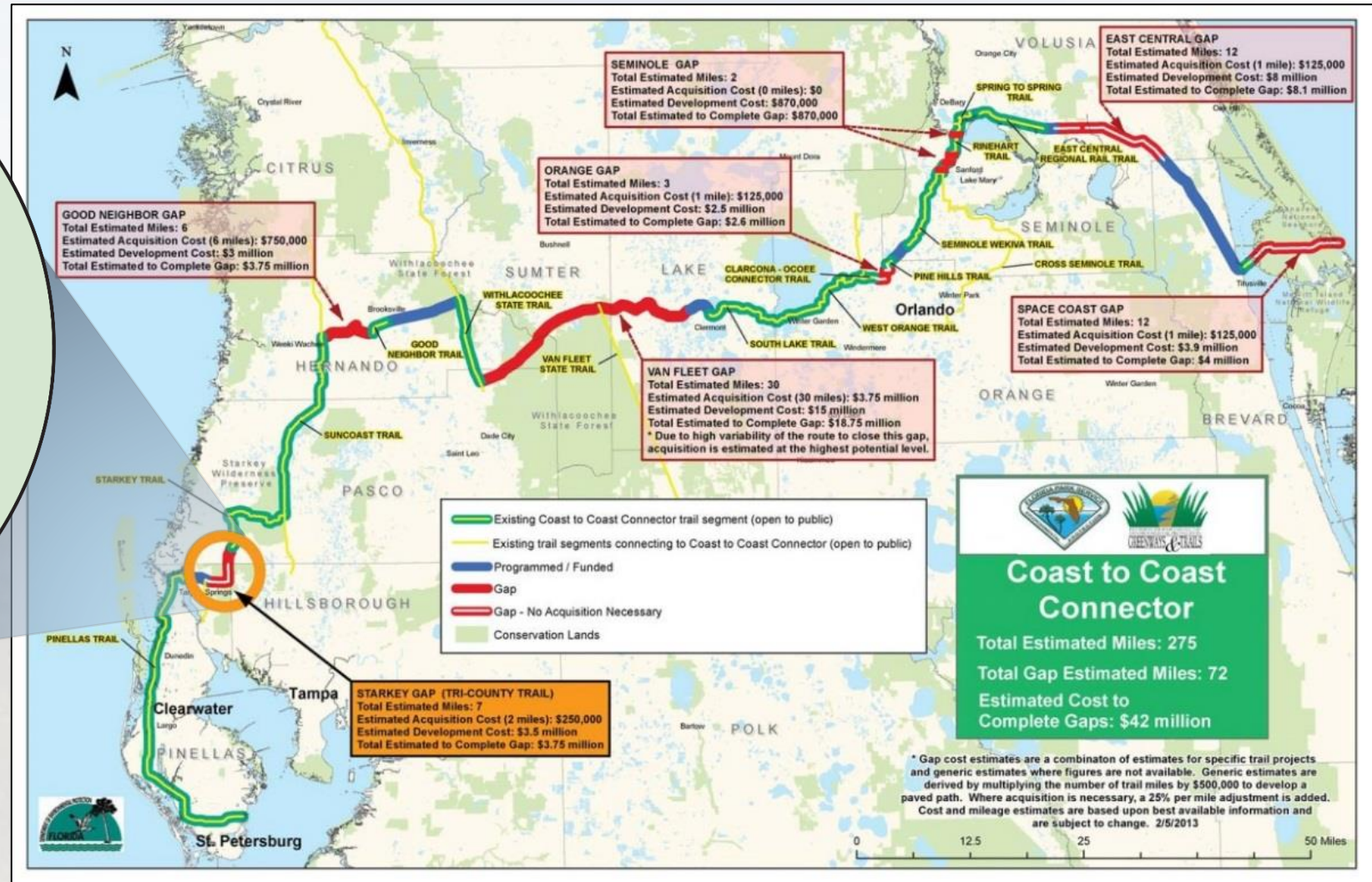
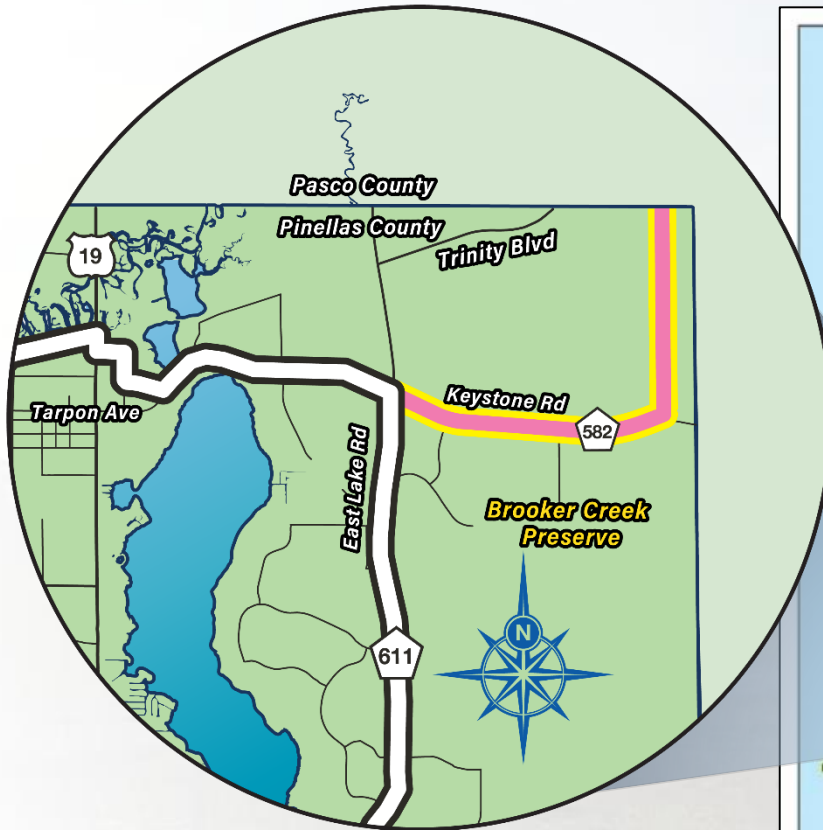
PINELLAS COUNTY



TRANSPORTATION
SYMPOSIUM
2019

Mary Lou Godfrey/Brian Pickard

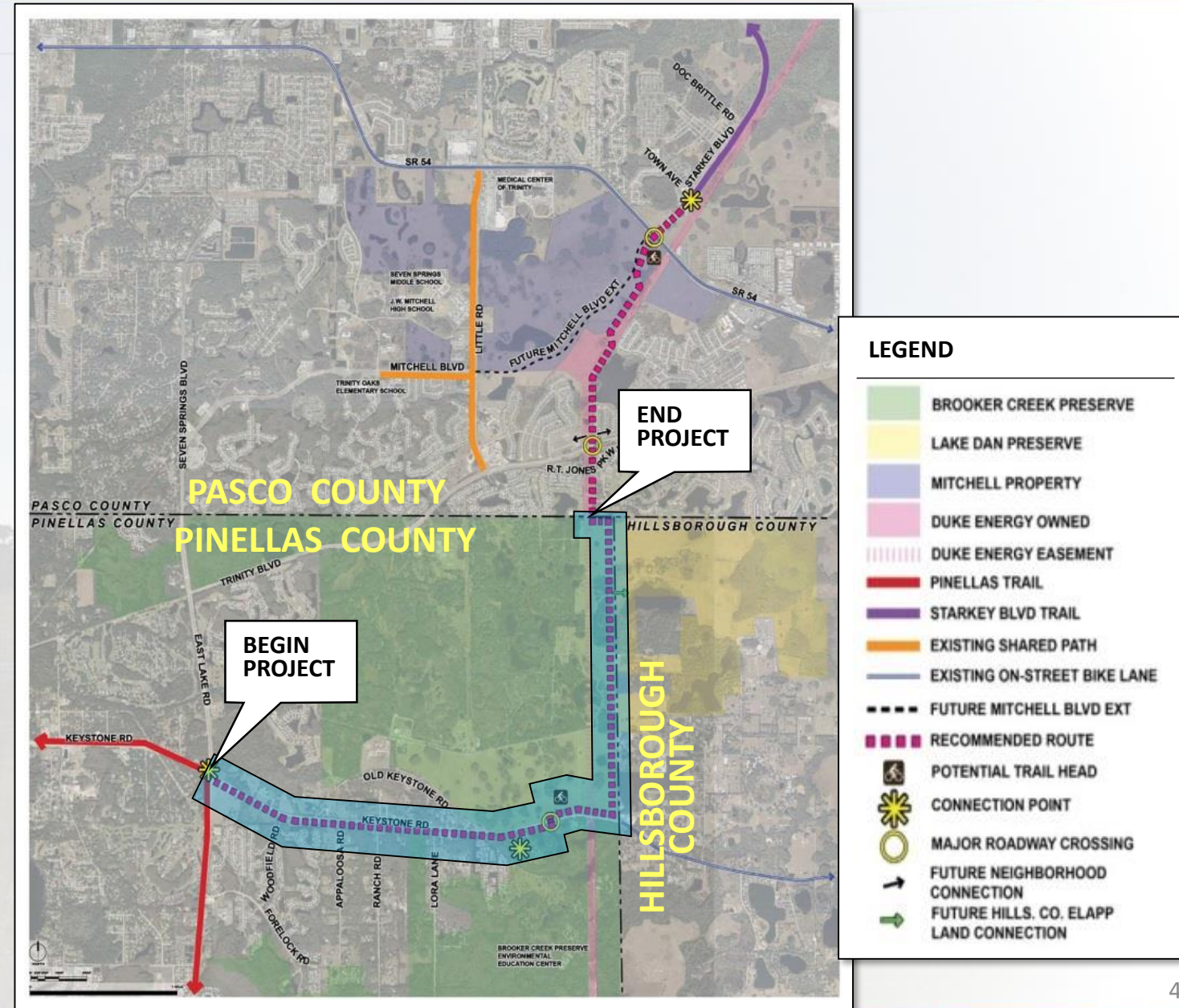
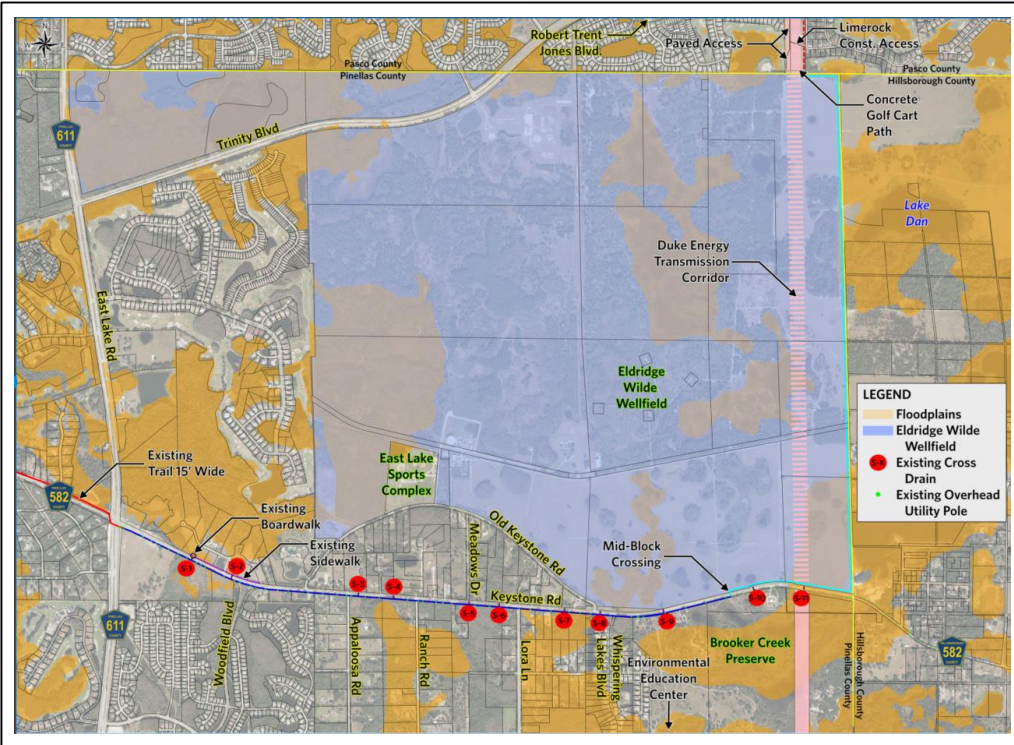
Regional and Statewide Context



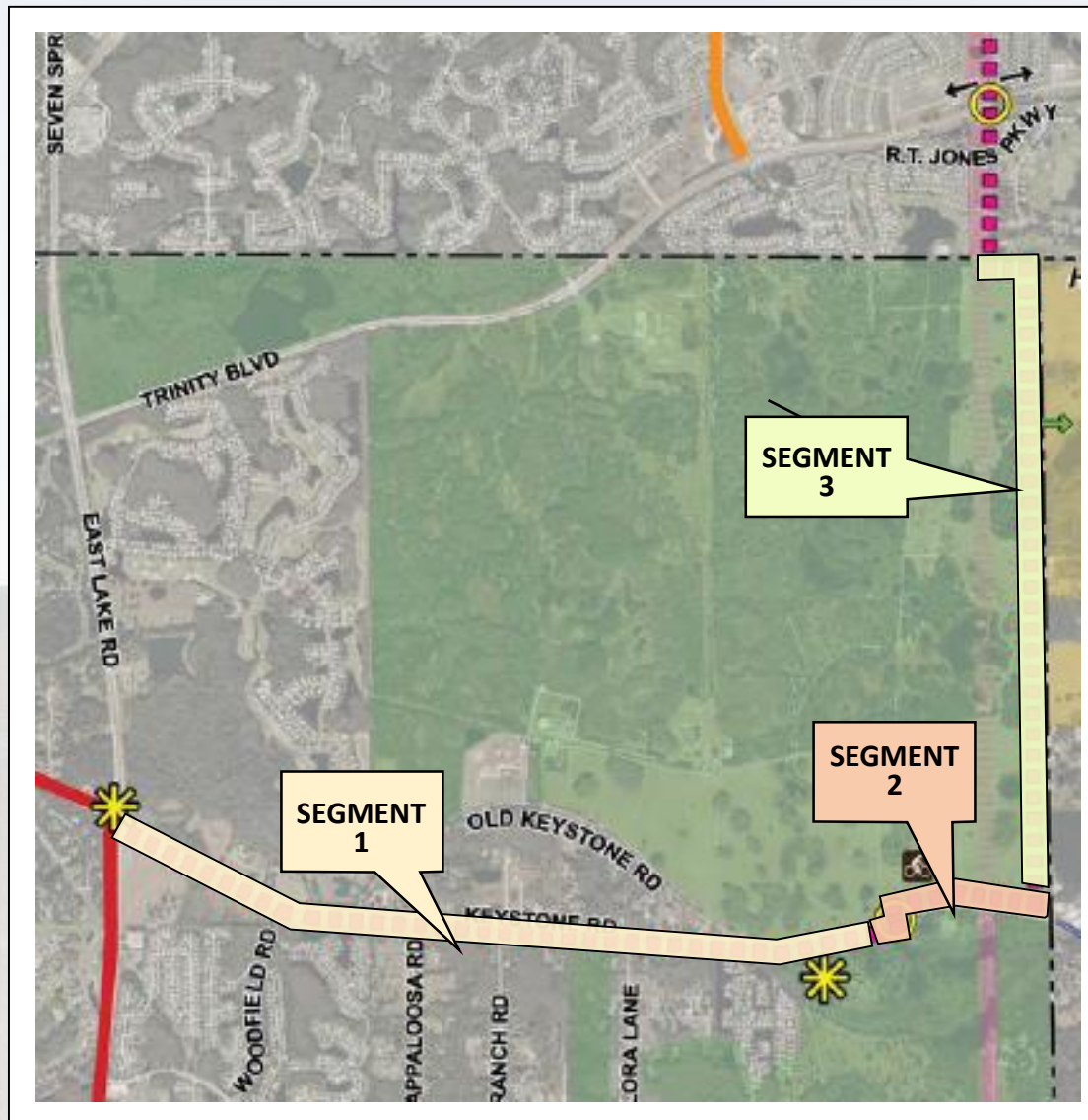
With Partners We Can Do More!



Connection Study



Trail Segments



Segment 1

Existing Typical

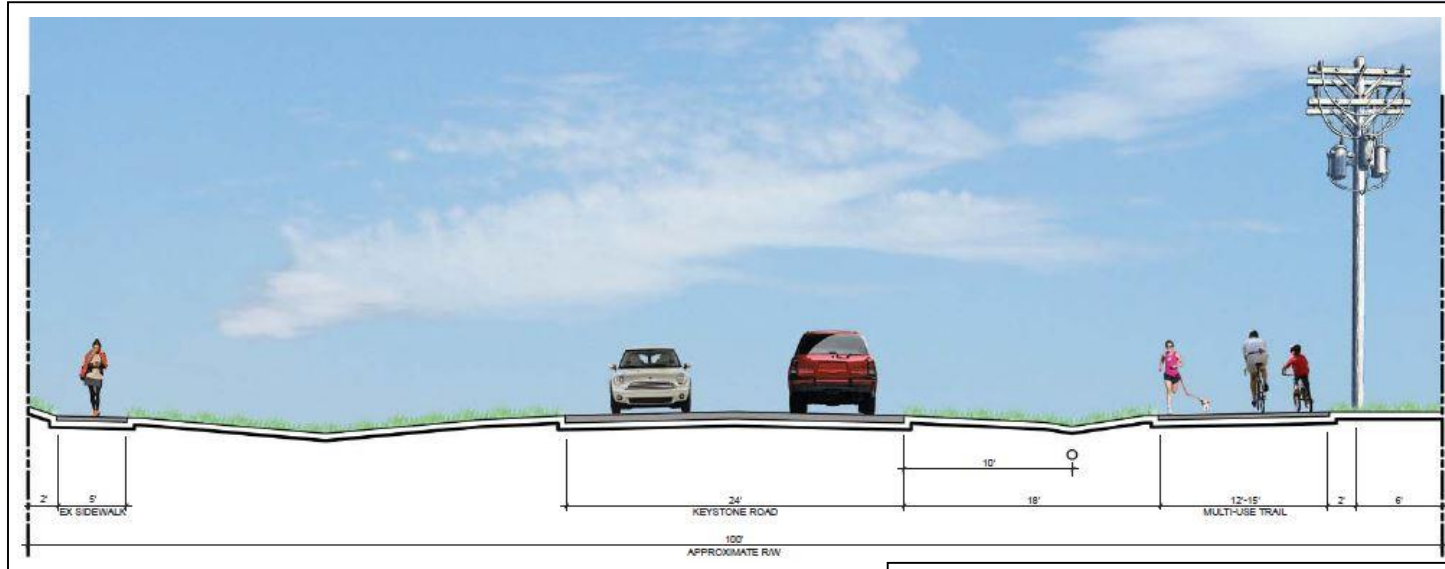


Segment 1

Keystone Road from East of East Lake Road to Mid-Block Crossing



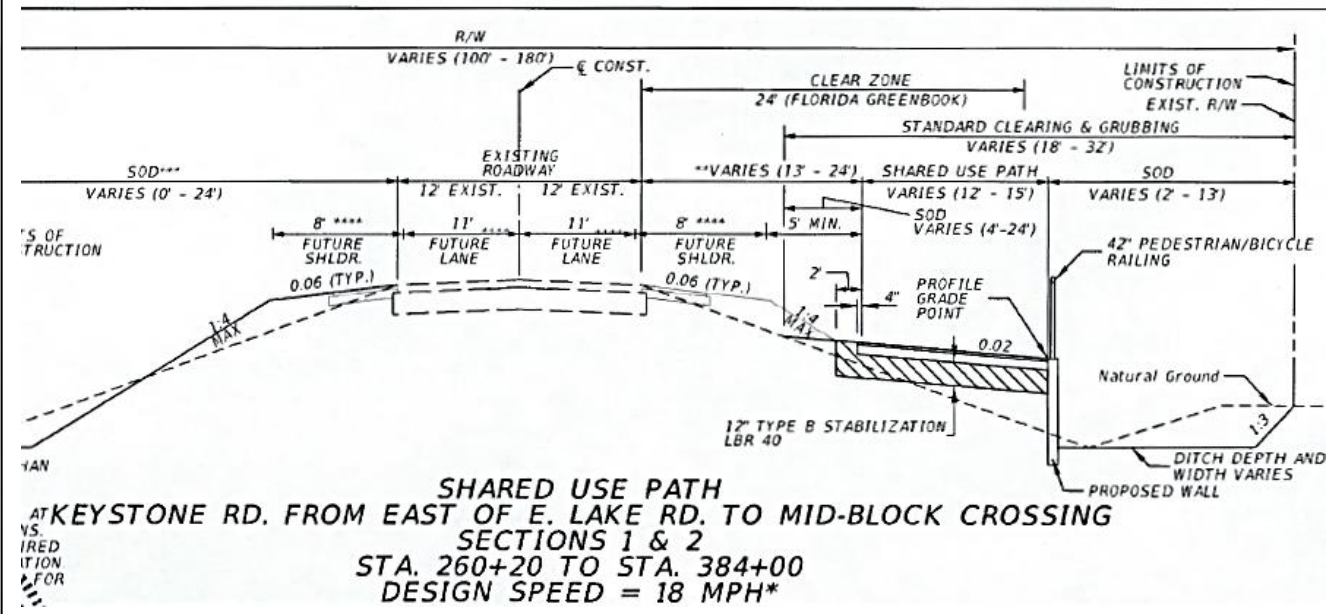
KEYSTONE ROAD EASTERN END



Segment 1

Proposed Typical

PROPOSED SHARED USE PATH TYPICAL SECTION



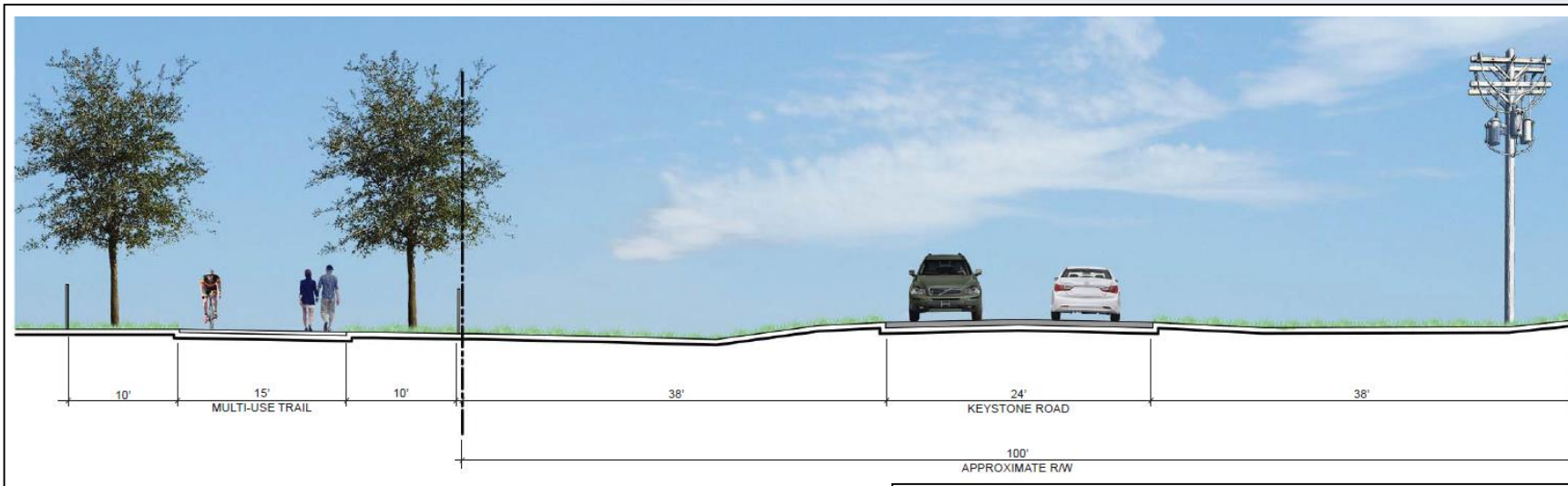
Segment 2

Existing Typical

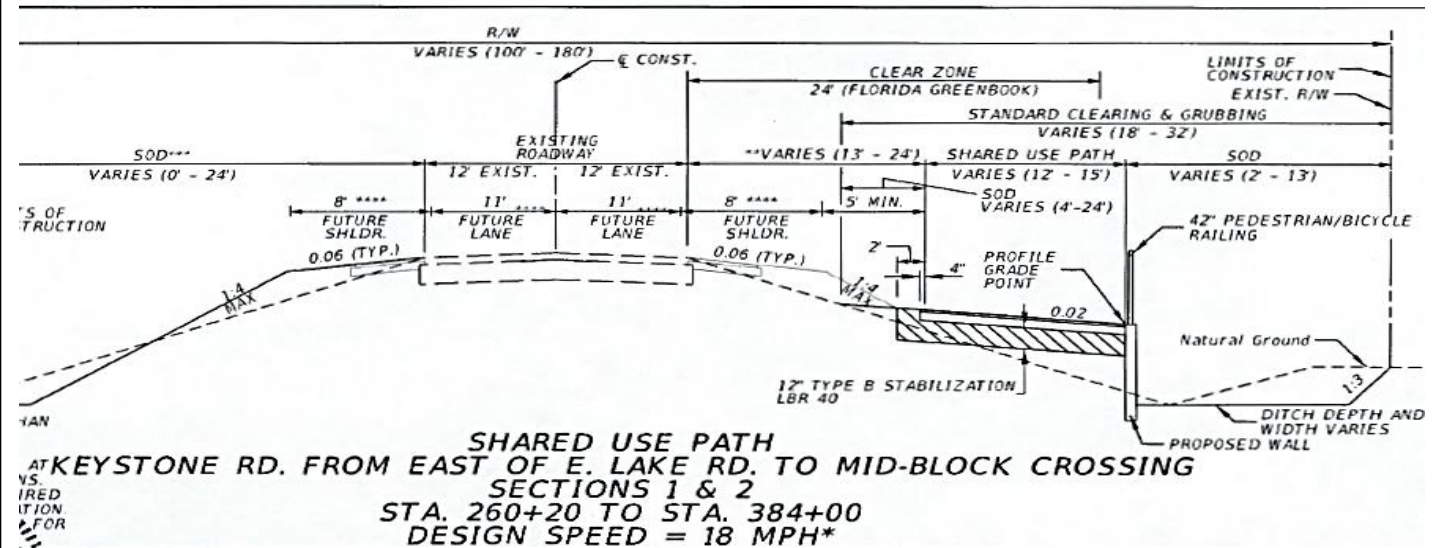


Segment 2

Proposed Typical



PROPOSED SHARED USE PATH TYPICAL SECTION



Segment 2

Proposed Mid-Block Crossing



RFP Requirement

- ▶ The Design-Build Firm shall provide signing and pavement markings for the mid-block trail crossing on Keystone Rd. The design shall include a pedestrian activated Rectangular Rapid Flashing Beacons (RRFB's) installed at the crosswalk (dual indicated both directions) along with appropriate warning signs (W11-15 and W16-7P). RRFB's shall also be installed in advance of the crosswalk along with warning signs (W11-15 and W16-7P). The RRFB's shall be solar powered. The RRFB's shall be pushbutton activated and all RRFB's shall be actuated with the pushbuttons.

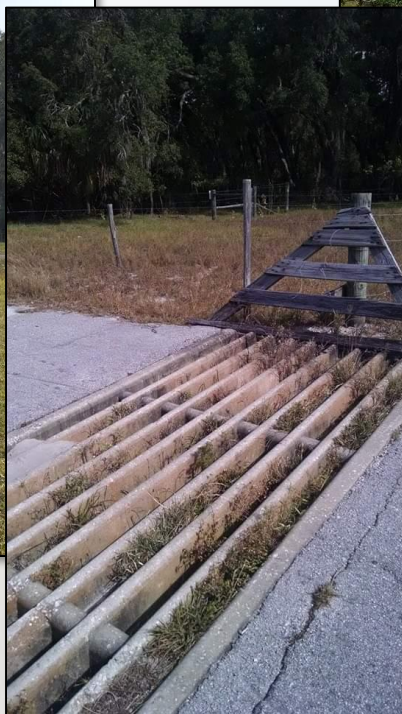
Segment 3

Existing Conditions



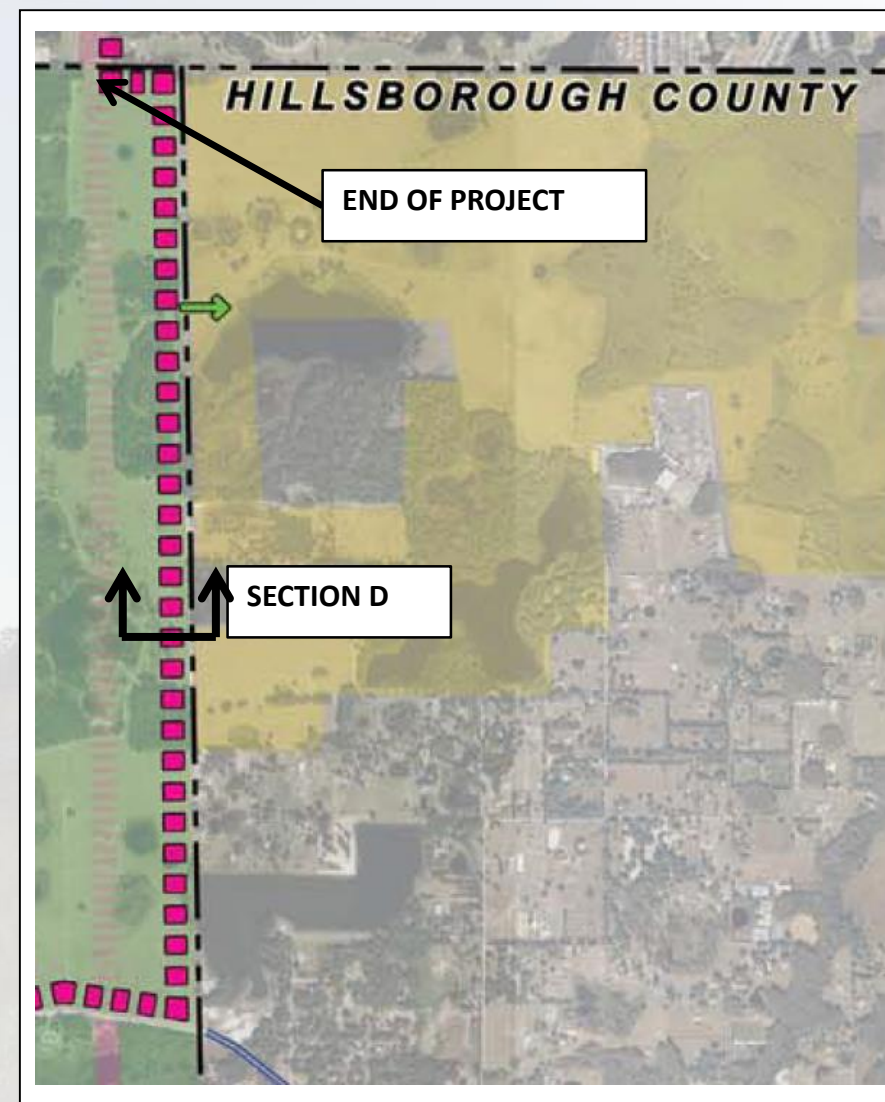
Segment 3

Existing Conditions



Segment 3

From Keystone Road to Pasco County Line



Procurement

Request For Proposal Development – Design Build Low Bid

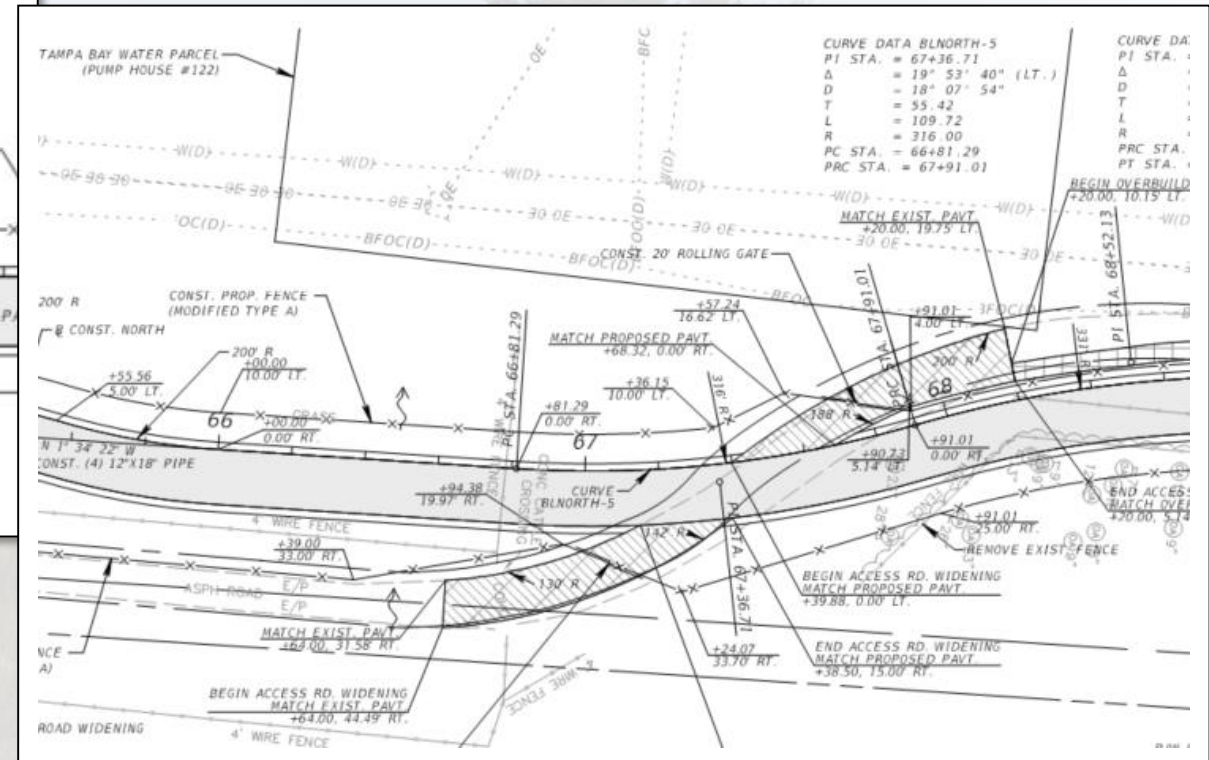
Procurement

Request For Proposal Development – Design Build Low Bid

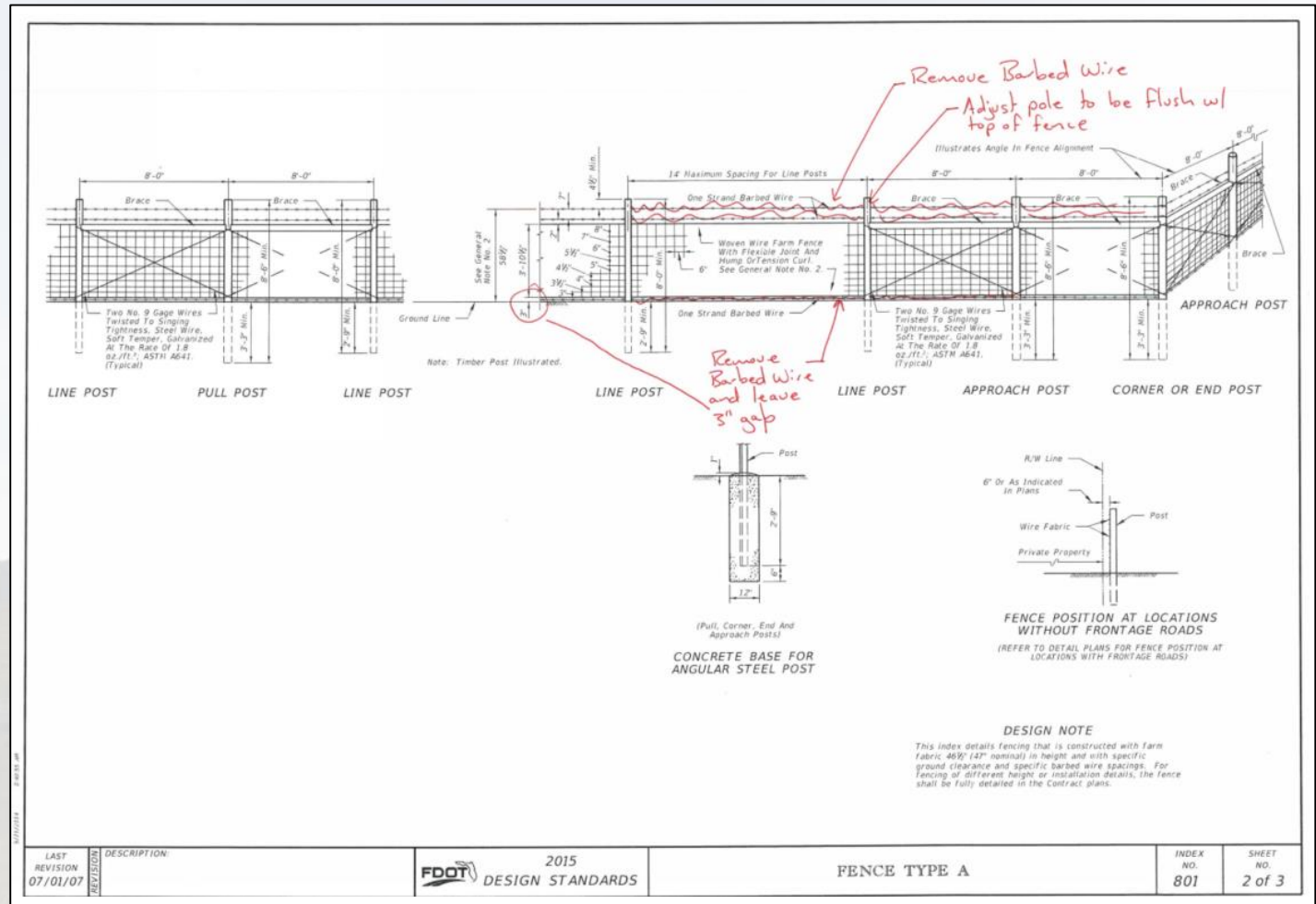
Attachments

Horizontal Alignment Plan

Gopher Tortoise Exclusionary Fencing Detail



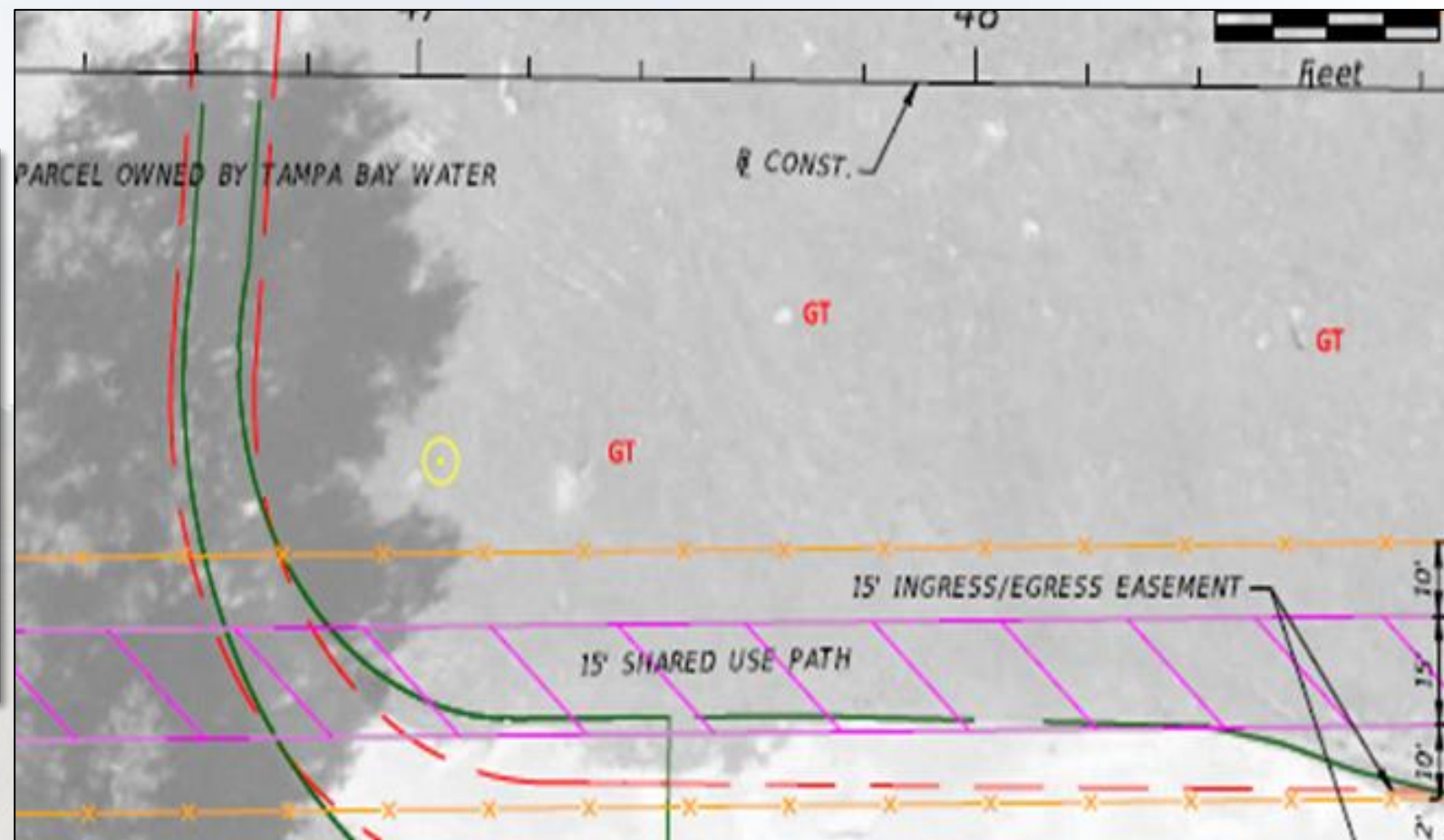
Fencing Details



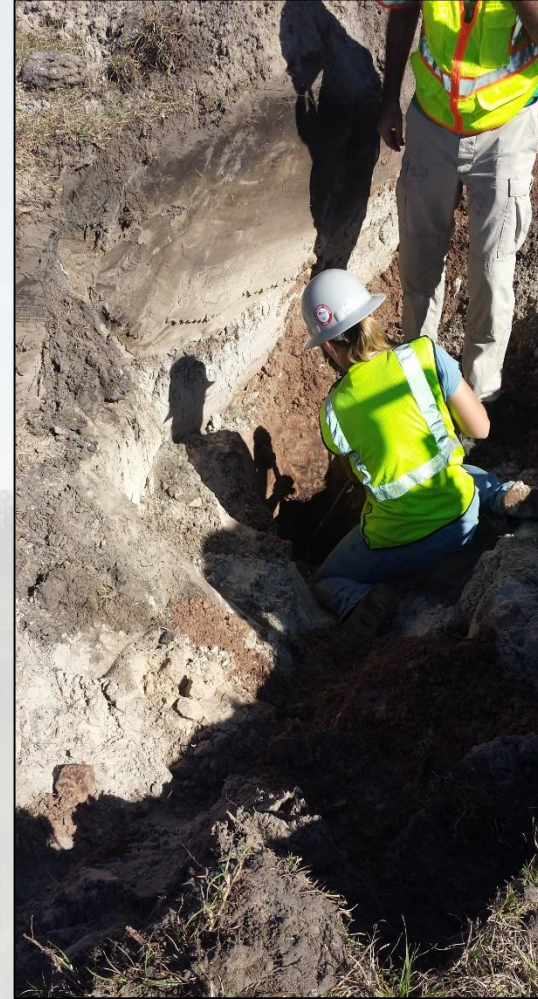
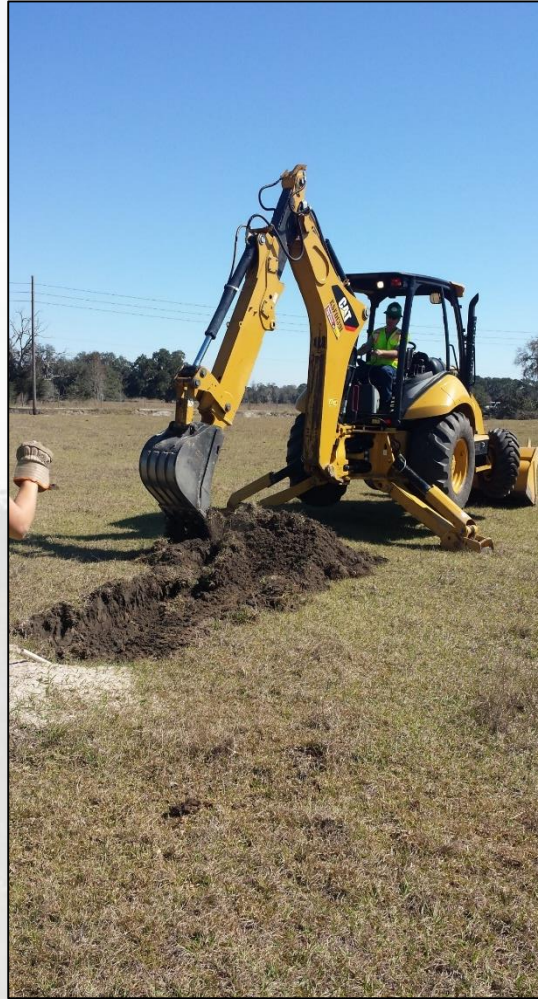
RFP - Fence requirement

Within the Brooker Creek Preserve, fence shall be constructed adjacent to the Shared Use Path, consistent with the approved Typical Section Package. The fence shall be FDOT Type A Fence with design number 1047-6-9 (Standard Index 801). The Fence shall be modified by excluding the barbed wire at the top and bottom of the fence. The height of the posts shall be reduced so that the top of the posts are flush with the top of the fence. The Woven Wire Farm Fence shall be installed “upside-down” so that the 8-inch vertical spacing of the woven wire is located at ground level and the 3-inch vertical spacing of the woven wire is located at the top of the fence. The minimum offset from the Shared Use Path edge of pavement to Fence is 10 feet, except between Station 67+40 to 88+20 B/L Construction Lt., the fence may be placed at an offset of 4 foot from the edge of the Shared Use Path. Fencing shall not encroach into the Tampa Bay Water Parcels.

Gopher Tortoise



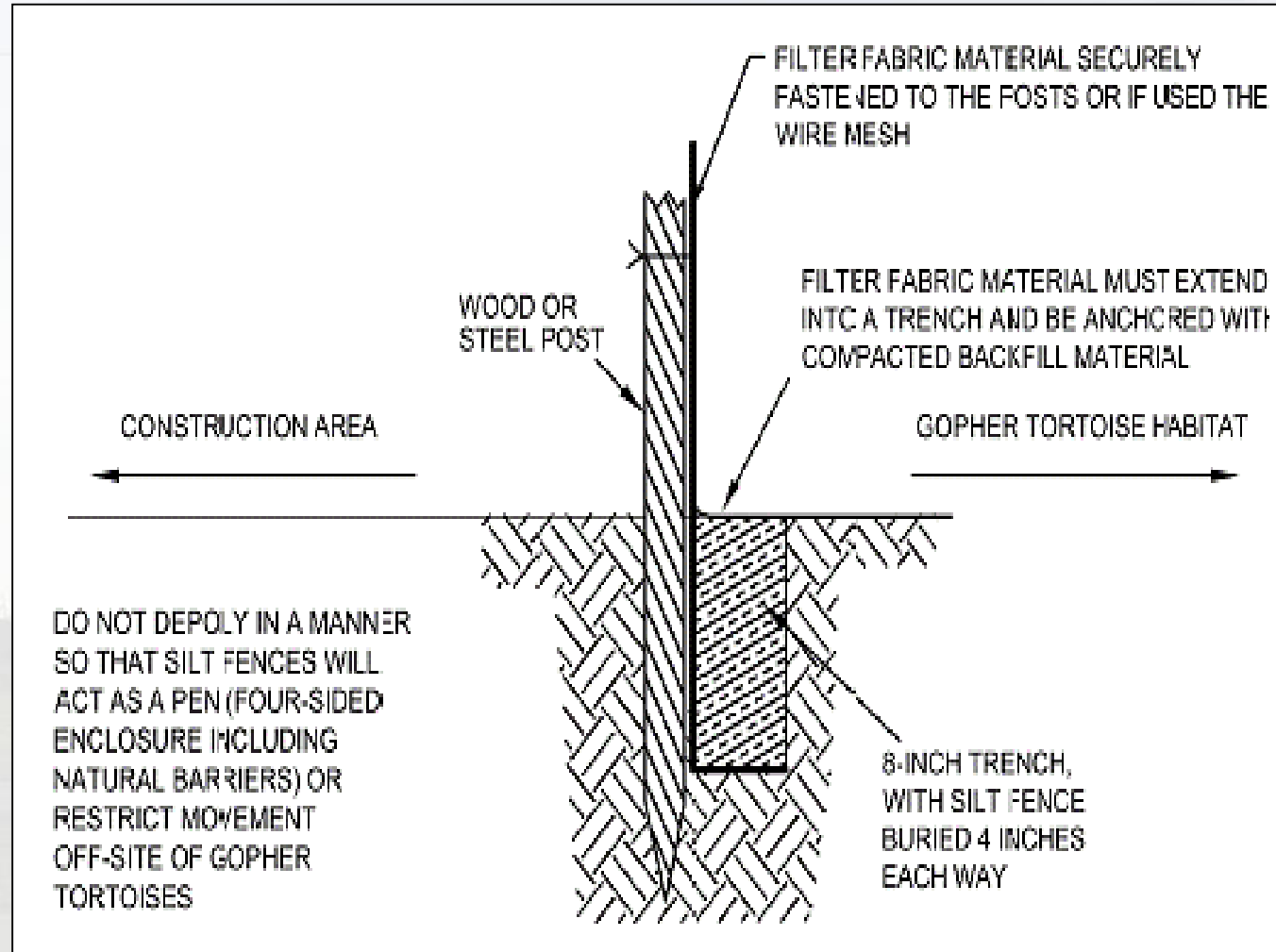
Gopher Relocation



Gopher Relocation



Gopher Tortoise



RFP Language:

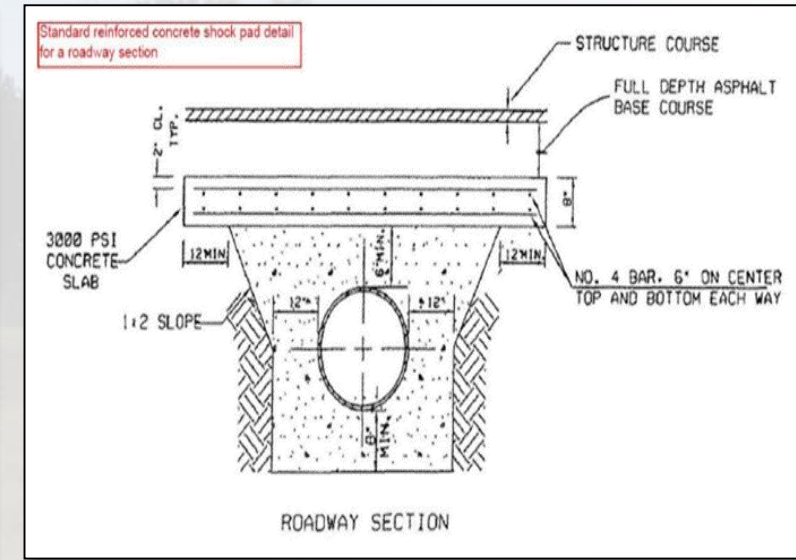
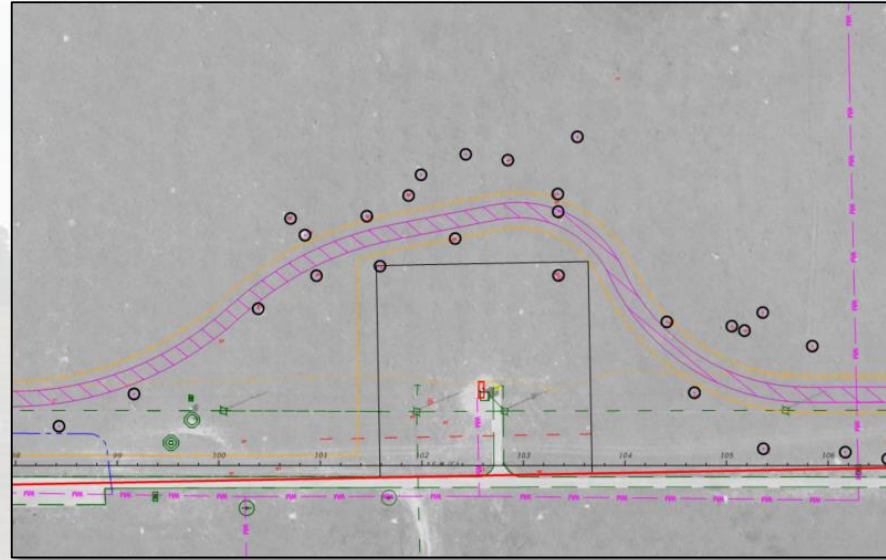
Exclusionary fencing to protect existing or to keep additional off-site tortoises from coming into the project limits after the initial relocation shall be paid for, installed, and maintained by the Design-Build Firm.

Ensure all gopher tortoise burrows within these limits have been appropriately addressed (i.e. protected and/or burrow collapsed after confirmation that tortoise has been relocated).

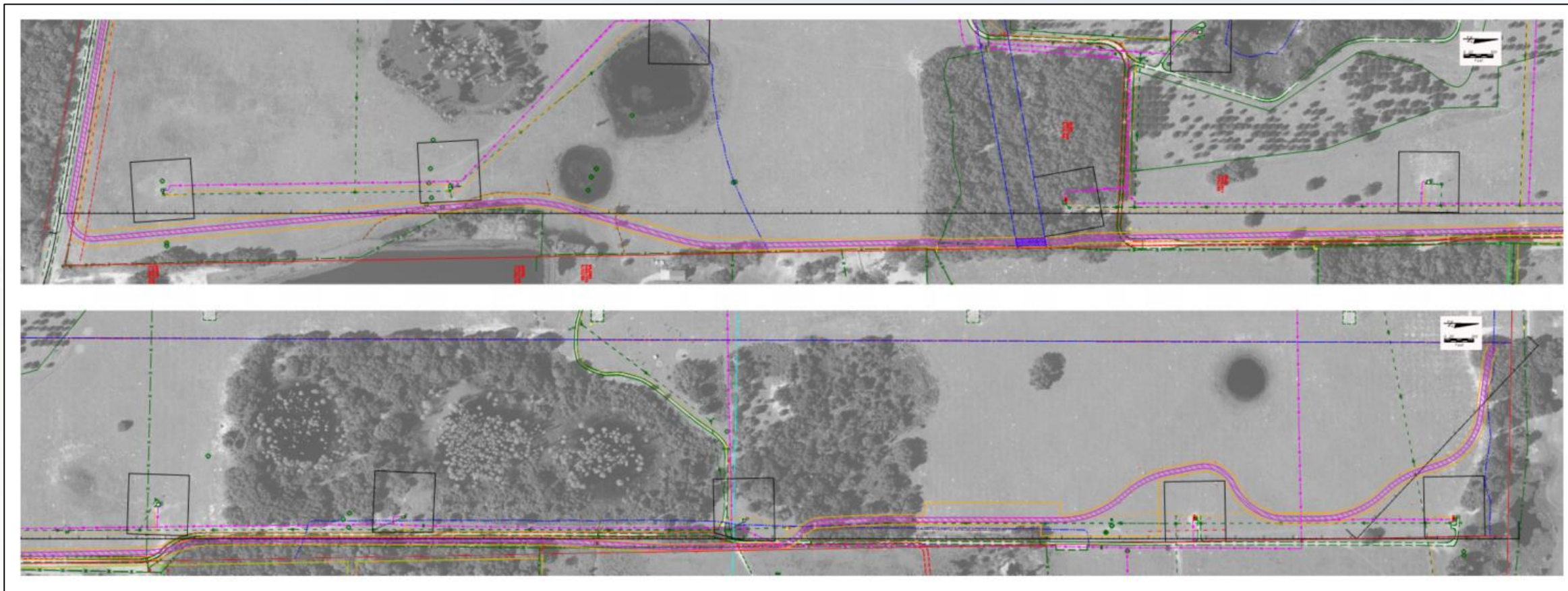
Eagle's Nest



Tampa Bay Water (TBW)



Avoid TBW Parcels



Partnership – FDOT & Pinellas County



Gina Harvey



Ken Jacobs

- **DB team of Pepper Contracting Services, Inc. and ICON Consultant Group Inc. awarded contract**

A paved trail winds through a lush forest. Large, mature trees line both sides of the path, with Spanish moss hanging from their branches. The sun filters through the canopy, creating dappled light on the pavement. A semi-transparent grey banner is overlaid across the middle of the image, containing the title text.

Tri-County Trail Construction

Benefit of Design Build

- Dealing with Farmers



Benefit of Design Build

- Drop Off Design handled within the Contractor's Team quickly.



Benefit of Design Build

- Drop Off Design handled within the Contractor's Team quickly.



Benefit of Design Build

- Erosion Control was Constant and needed frequent repair and additions.



Benefit of Design Build

- Need to Accommodate High Water and not create flooding for neighbors



Benefit of Design Build

- Need to Accommodate
High Water



Benefit of Design Build

- Need to Accommodate High Water



Benefit of Design Build

- Need to Accommodate High Water and Tropical Storms



Benefit of Design Build

- Need to Accommodate
High Water – Tropical
Storm Hermine



Benefit of Design Build

- Need to Accommodate
High Water – Well Point



Benefit of Design Build

- Need to Accommodate High Water – Lots of it.



Benefit of Design Build

- Need to Accommodate High Water – More Water at every phase.



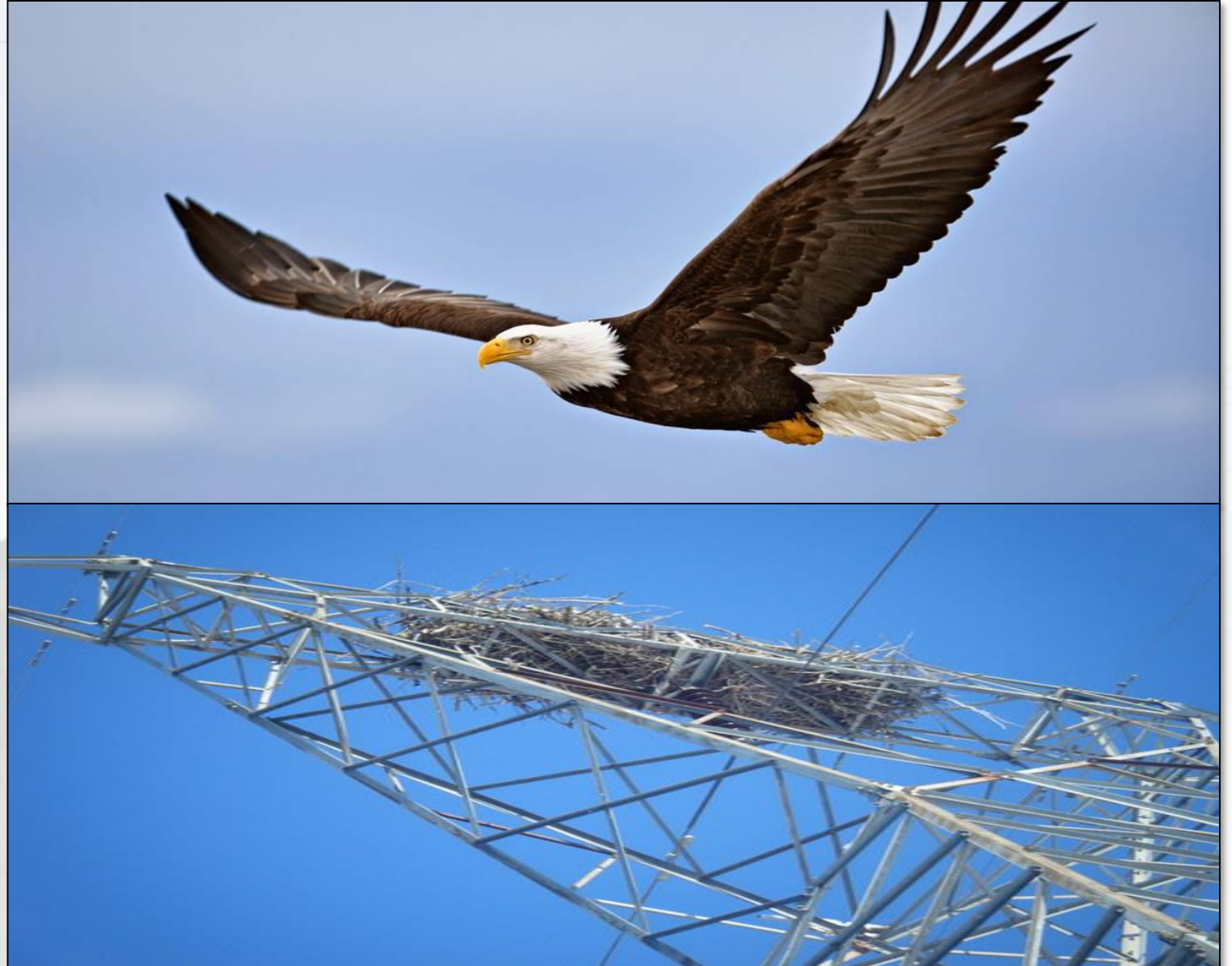
Benefit of Design Build

- No problems dealing with unanticipated wildlife and endangered species



Benefit of Design Build

- ▶ No problems dealing with unanticipated wildlife and endangered species
- ▶ Stay 660' from any active eagle nest.



Benefit of Design Build

- Design problems all handled through the team and quickly solved.



Benefit of Design Build

- Design problems all handled through the team and quickly solved. Wall had to be extended.



Benefit of Design Build

- Design problems all handled through the team and quickly solved. Wall had to be extended.



Benefit of Design Build

- Design problems all handled through the team and quickly solved. Clear zone.



Benefit of Design Build

- Design problems all handled through the team and quickly solved. Driveway Access.



Constructing the Trail

- Satisfy the County – Access to Trail During Construction. Make sure surface is clear and clean and resolve damage.



Constructing the Trail

- Clearing and Grubbing



Constructing the Trail

- Limerock



Constructing the Trail

- Limerock treated so, let the rains begin.



Constructing the Trail

- Due to narrow work zone, equipment must be careful not to damage.



Constructing the Trail

- Due to narrow work zone, equipment must be careful not to damage.



Constructing the Trail

- Due to narrow work zone, equipment must be careful not to damage.



Finished Trail

- ▶ Beautiful 5 mile Trail is Complete..
- ▶ Started 9/2/2015
- ▶ Finished 7/10/2017 – 588 days
- ▶ \$5,470,000, \$0.00 SA, WO
- ▶ 30 Holidays, 60 Weather Days
- ▶ Time Extension – 73 Days during design for additional drainage modeling - 100 YR event.



Finished Trail

- Beautiful 5 mile Trail is Complete..



Finished Trail

- Beautiful 5 mile Trail is Complete..



Segment 1



Segment 1



Segment 2



Segment 3



Segment 3



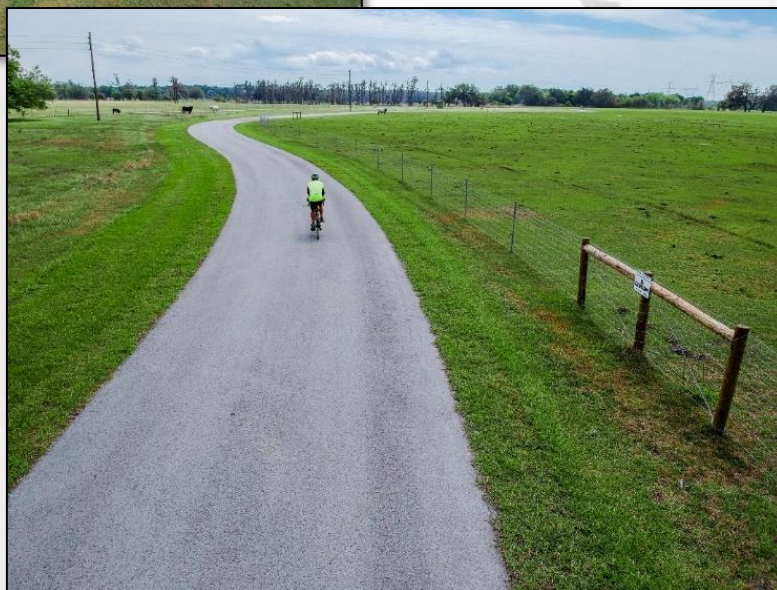
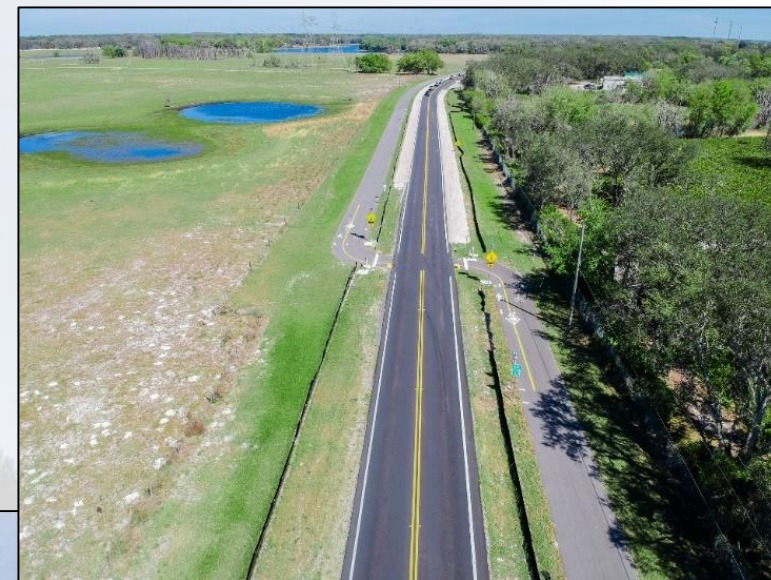
Segment 3



Segment 3



Segment 3



Post Construction Challenges



Tri-County Trail Ground Breaking



Recognition



Questions?