



# Trails and Greenways Committee

Thursday, May 13, 2021 at 6:00 pm

1. CALL TO ORDER, PRAYER AND PLEDGE
2. ROLL CALL
3. ADDITIONS/DELETIONS/CHANGES
4. CONSENT AGENDA
  - a. Approval of Minutes of 04/12/2021  
Exhibit: Agenda Report Number 4a

**Attachments:**

- **Agenda Report Number 4a** (Agenda\_Report\_Number\_4a.pdf)

5. PUBLIC COMMENTS
6. ACTION ITEMS : 0
7. DISCUSSION ITEMS:
  - a. Trail, Kiosk and Firebreak Conditions
  - b. Eagles Nest Trailhead  
Exhibit: Agenda Report Number 7b

**Attachments:**

- **Agenda Report Number 7b(1)** (Agenda\_Report\_Number\_7b.pdf)

- c. Briar Creek Underpass Project  
Exhibit: Agenda Report Number 7c(1) & 7c(2)

**Attachments:**

- **Agenda Report Number 7c(1)** (Agenda\_Report\_Number\_7c.pdf)
- **Agenda Report Number 7c(2)** (Agenda\_Report\_Number\_7c\_2\_.pdf)

- d. Paved Al Tuttle Connector from North Corey
      - e. Next Field Event 5/19 @ E.N.T.
8. OLD/NEW BUSINESS
  - a. Board Member Comments
  - b. Next Scheduled Meeting Date  
June 14th, 2021

9. ADJOURNMENT



# TOWN OF MALABAR

## TRAILS & GREENWAYS COMMITTEE MEETING

AGENDA ITEM NO: 4.a  
Meeting Date: May 13, 2021

Prepared By: Richard W. Kohler, Deputy Clerk/Treasurer

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SUBJECT: Consent Agenda

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**BACKGROUND/HISTORY:**

- a. Trails & Greenways Committee Meeting Minutes of 04/12/2021

**ATTACHMENTS:**

- a. Draft Minutes of 04/12/2021

**ACTION OPTIONS:**

Committee Action on Consent Agenda

**MALABAR TRAILS AND GREENWAYS COMMITTEE REGULAR MEETING**  
**April 12th, 2021 6:00 PM**

This meeting of the Malabar Trails and Greenways Committee was held at Town Hall at 2725 Malabar Road.

**1. CALL TO ORDER, PRAYER AND PLEDGE:**

Meeting called to order at 6:00 P.M. Prayer and Pledge led by Vice-Chair Hann.

**2. ROLL CALL:**

CHAIR:	DREW THOMPSON-Via Phone
VICE-CHAIR:	MURRAY HANN
BOARD MEMBERS:	ANNELIE HARVEY
	BOB WILBUR
	BARBARA CAMERON
BOARD SECRETARY:	RICHARD KOHLER

**3. ADDITIONS/DELETIONS/CHANGES**

**Add Erin Trauger discussion as 7a. Motion by Thompson/Cameron. (All Ayes)**

**4. CONSENT AGENDA**

**4.a. Regular Trails and Greenways Committee Mtg Minutes of 03/08/2021**  
**Committee Members Cameron/Harvey move to accept the minutes of 03/08/2021 as presented.**  
**All Ayes: Motion Carried 5-0 (all ayes).**

**5. PUBLIC COMMENTS:**

Craig Smith thanked the Brook Hollow HOA for allowing the BMBA to access the GFT TCT connector trail.

**6. ACTION ITEMS: NONE**

**7. DISCUSSION**

**a. Erin Trauger Report**

-Question 1. Do we want a parking lot? – Consensus is no

-Question 2. Do we want to shift the fence? – Instead, have a turnaround for vehicles. Chair – Pave trail on the east, diagonal parking to west of trail, parking stops to allow turnarounds.

Vice Chair Hann suggests we ask Mrs. Trauger to extend the trail to the end of pavement on Corey, at the east side of the ROW. CM Cameron states her agreement with this. VC Hann states if we want an ADA Parking lot, we need two paved parking spots. CM Wilbur states he believes we should just build a trail and retro fit it with ADA later.

-Question 3. Required radius? – VC Hann suggests 20 ft.

-Question 4. Elevated over wetlands or around? – Consensus is around

-Question 5. Pave Corey? – yes

-Question 6. Stormwater swales? – VC Hann states on AI Tuttle they are already gone. Suggests bahaia grass for 3 ft on either side to control erosion.

-Question 7. Length and width meet idea? – VC Hann states yes, 20ft construction zone and 10 ft path.

-Question 8. Who contacts surveyor? – **Ask Lisa.**

-Question 9. Timing for KSM proposal for soil testing – VC Hann states one more phase

- Question 10. Timing for Wetlands delineation. – Same as above.
- Question 11. Who needs to see our plans? – Florida Community Trust, Palm Bay, and EELs.

**b. Trail, Kiosk, and Firebreak Conditions**

VC Hann stated the trails are in great shape. May be trees down after yesterday's storm, but we will fix any of them as we hear them. **VC Hann requests a motion to allow the BMBA to utilize the North Side of the Corey Road Kiosk. Motion by Harvey/Cameron (All Ayes)**

**Motion by Wilbur/Thompson to have Secretary Kohler look into pursuing the Upland Invasive EPMP.**

**c. Eagles Nest Trailhead Update**

Drone shots & Fence.

**d. Paved AI Tuttle Connector from North Corey Road**

Major Thumbs up to PW Crew. Add turn around at end of road. Chair asks if it should come from our annual budget. Consensus is no.

**e. Next Field Day - TBD**

Chair asks if we should plan something for May? VC Hann states that works for him. Tentative date set for 5/19 @ 3:30 at ENT. Reminder at 5/12.

**9. OLD/NEW BUSINESS**

**a. Old Business:**

**b. New Business:**

- Next Regular Meeting- May 10<sup>th</sup>, 2021
- Craig Smith shared the Grant Valkaria T&G plan to improve their Town Connector Trail.
- CM Wilbur states he would like to reach out to the Sherriff's Mounted Posse to see if they would be interested in using our trail system, and planning at ENT.

**10. ADJOURN**

There being no further business to discuss

MOTION Harvey/Cameron . Vote: All Ayes. The meeting adjourned 7:13 PM.

BY:

\_\_\_\_\_  
Drew Thompson Chair

04/12/2021

Date Approved: as presented/corrected:

\_\_\_\_\_  
Richard W. Kohler, Board Secretary

# TOWN OF MALABAR

## TRAILS & GREENWAYS COMMITTEE MEETING

**AGENDA ITEM NO: 7.b**  
**Meeting Date: May 13, 2021**

**Prepared By: Richard W. Kohler, Deputy Clerk/Treasurer**

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**SUBJECT: Eagles Nest Trailhead**

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**BACKGROUND/HISTORY:**

- a. On Friday April 30<sup>th</sup>, Vice-Chair Hann was able to coordinate with a drone operator and capture high-quality aerial photos and videos. Chair Thompson has since begun work on a brief video presentation that includes the new images and videos.

**ATTACHMENTS:**

- a. Photos taken on 4/30/2021 of ENT.
- b. (Possibly) Video Presentation including new photos and videos.

**ACTION OPTIONS:**

Discussion







# TOWN OF MALABAR

## TRAILS & GREENWAYS COMMITTEE MEETING

**AGENDA ITEM NO: 7.C**  
**Meeting Date: May 13, 2021**

**Prepared By: Richard W. Kohler, Deputy Clerk/Treasurer**

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**SUBJECT: Briar Creek Underpass Project**

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**BACKGROUND/HISTORY:**

- a. Recently, Town of Malabar Public Works Staff have begun work on repairing the Briar Creek Bridge. In research, ITM Morrell spoke to FDOT engineers to determine the feasibility of the Briar Creek Underpass Project.

**ATTACHMENTS:**

- a. E-mail conversation between ITM Morrell and FDOT Engineering Section Manager Jonathan Jastremsky

**ACTION OPTIONS:**

Discussion

↩ Reply all   ✓   🗑 Delete   🚫 Junk   Block   ...

## FW: Question FDOT & Town of Malabar Coordination Bridge Inspections



Lisa Morrell

Tue 5/4/2021 12:56 PM

To: Richard Kohler

Cc: Debby Franklin



FDOT comment on the underpass boardwalk of the Briar Creek Bridge. You may share with your board members prior or the next meeting.

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**From:** Jastremsky, Jonathan <Jonathan.Jastremsky@dot.state.fl.us>

**Sent:** Thursday, April 29, 2021 5:24 PM

**To:** Blackwelder, Julia <Julia.Blackwelder@dot.state.fl.us>

**Cc:** Lisa Morrell <LMorrell@townofmalabar.org>

**Subject:** RE: Question FDOT & Town of Malabar Coordination Bridge Inspections

Hello,

As Julia mentioned below, FDOT does not get involved in technical advisement on local government structures such as the wooden bike platform proposed in the proposal.

Thanks,

Jonathan

**Jonathan Jastremsky, P.E.**

**Engineering Section Manager**

**FDOT District 5 Structures Maintenance**

**Phone: 386-740-3418**

**Email: [jonathan.jastremsky@dot.state.fl.us](mailto:jonathan.jastremsky@dot.state.fl.us)**

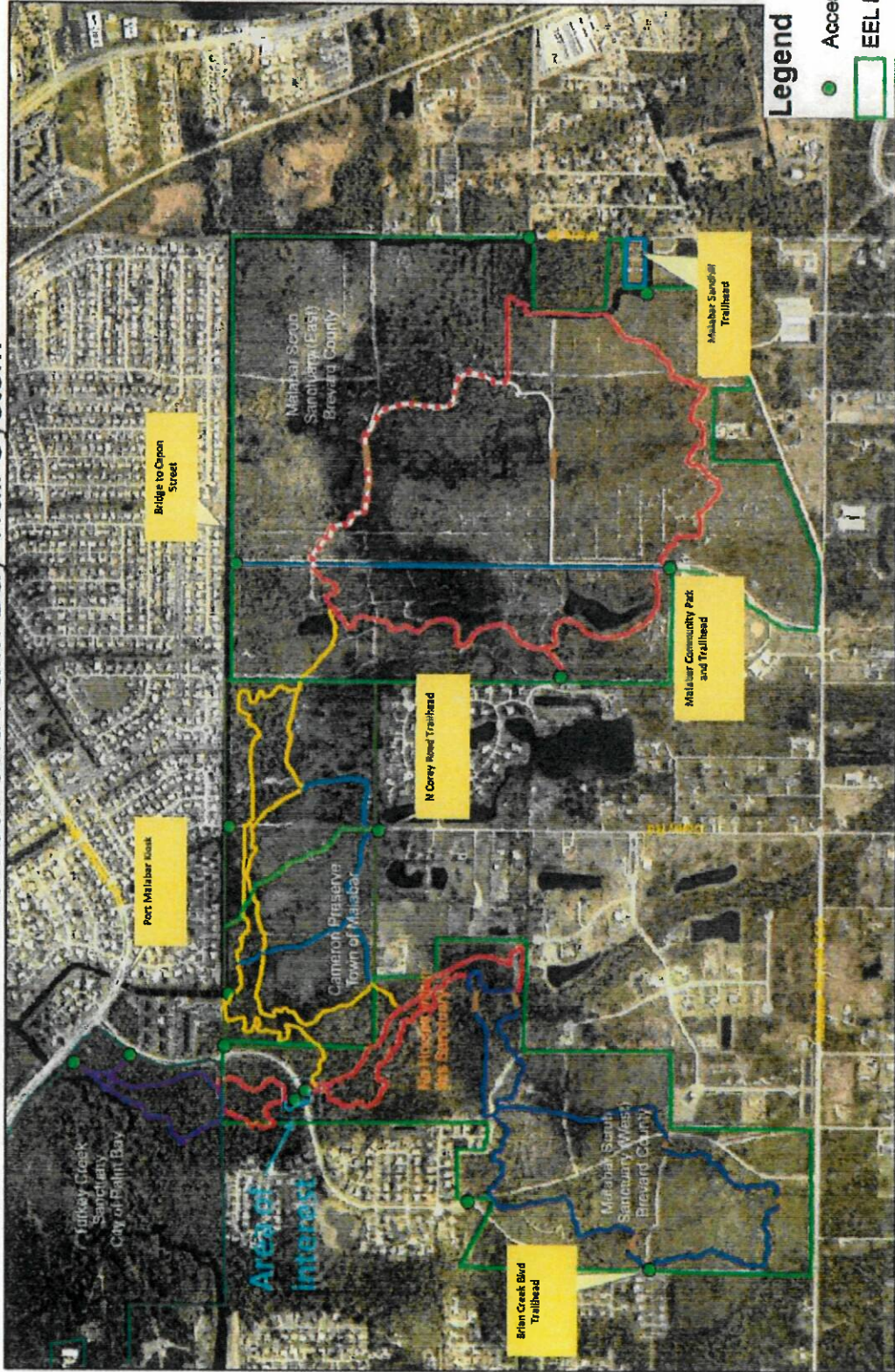
Reply | Reply all | Forward



## Briar Creek Road Trail Underpass

- **Concept:** Create a simple underpass for the trail underneath the bridge on Briar Creek Road
- **Reason: User safety and enjoyment**
  - **Safety:** having a two way trail segment that crosses under Briar Creek Blvd will significantly reduce crossings on the road, leading to a safer trail system
  - **Enjoyment:** Adding this very interesting, unique feature will make the trail system more attractive
- **Ownership:**
  - **Underpass bridge:** The Town of Malabar would own and maintain the wood structure on Briar Creek Blvd ROW
  - **Trail leading up to Bridge:** The Environmentally Endangered Lands program would own and maintain the short sections of trail connecting the current trail system to the bridge (about 100 yards per side).
- **Building / funding:**
  - It would be built by BMBA volunteers
  - Initial construction would be funded by BMBA (possibly in conjunction with the TOM, TBD)
- **Certification**
  - Would have the structural design signed/sealed by a registered engineer

# Malabar and Palm Bay Trail System

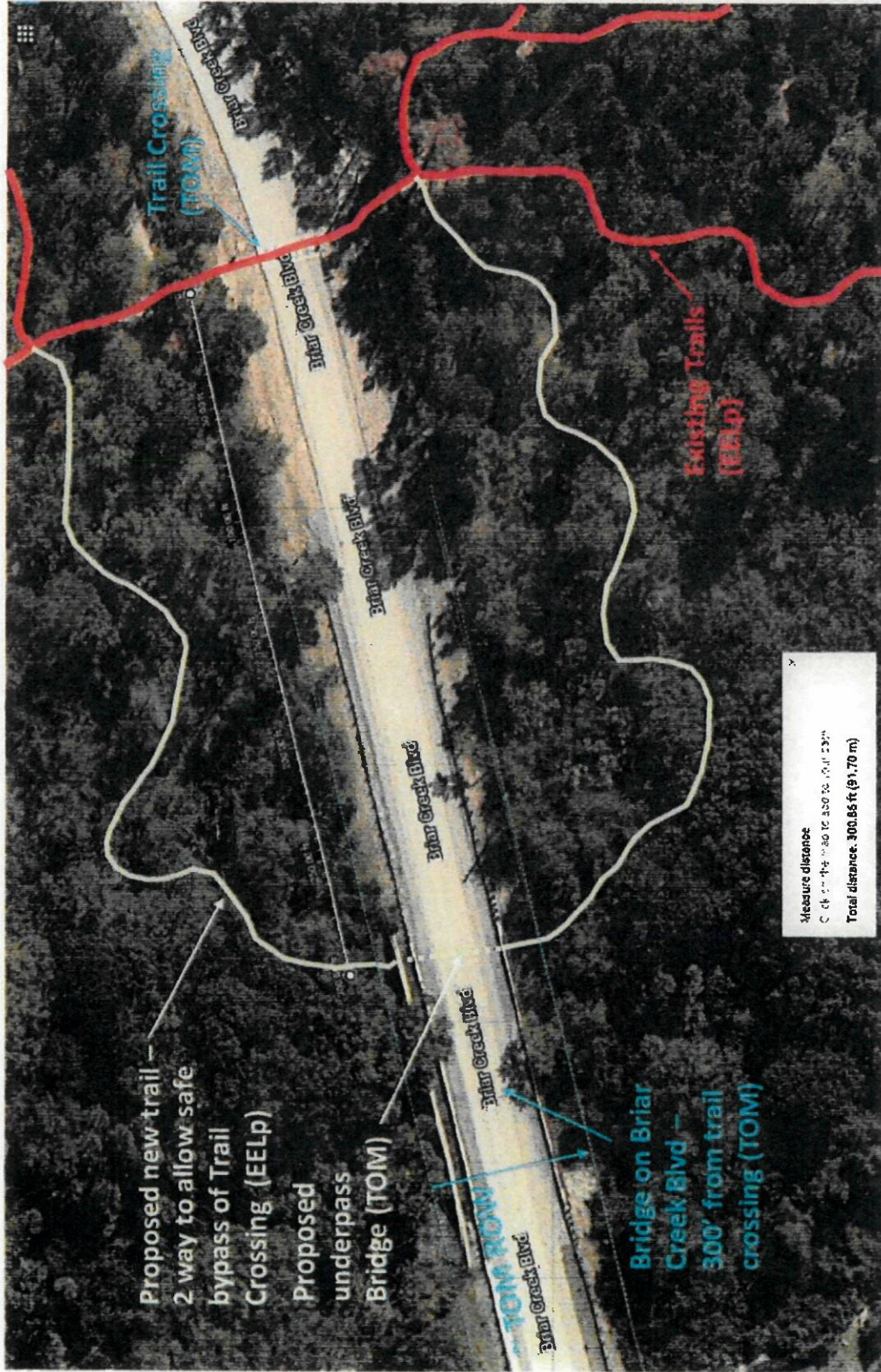


## Legend

- Access Points
- EEL Managed Boundary
- Cameron Preserve
- Paved Trail

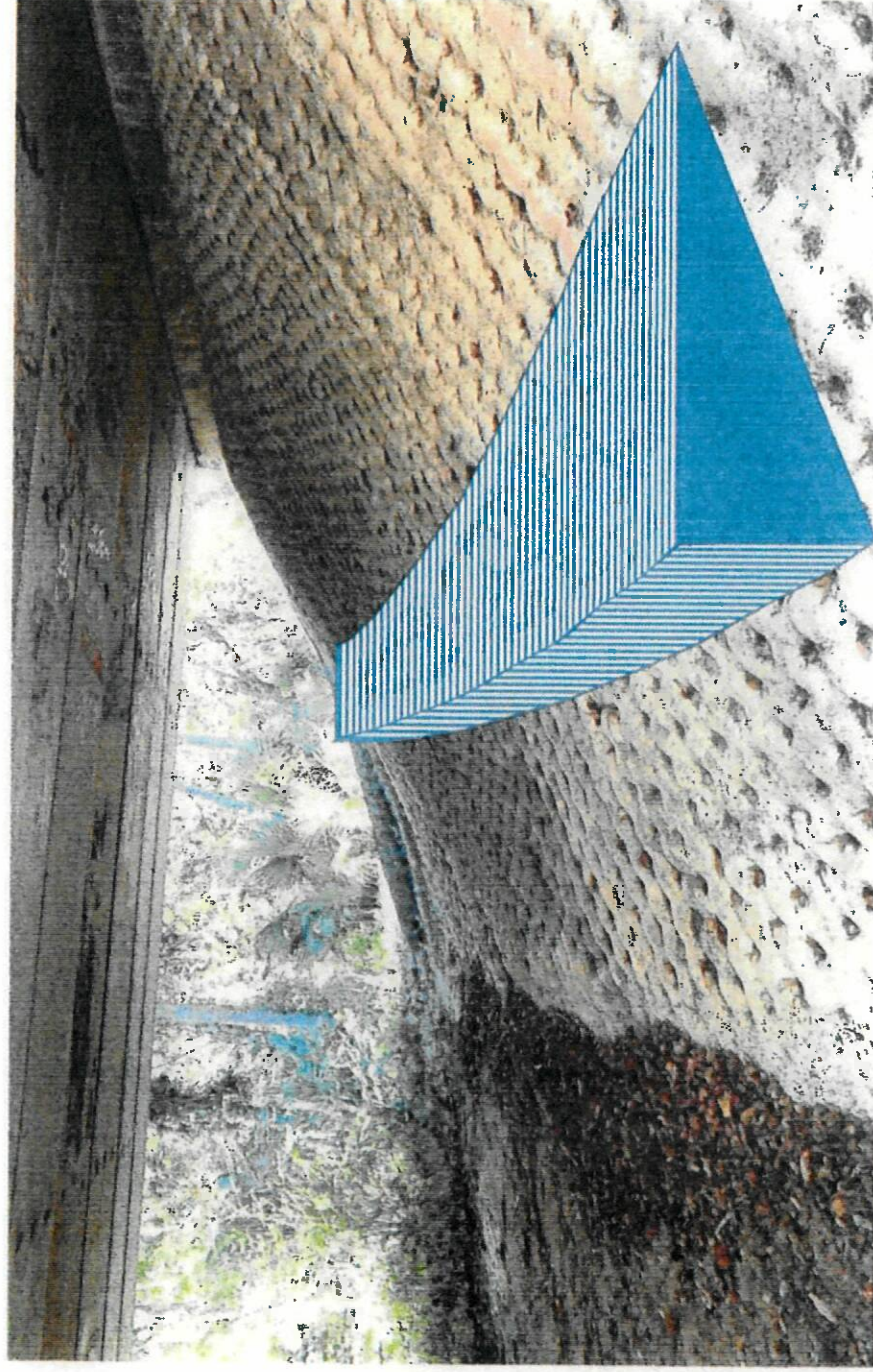


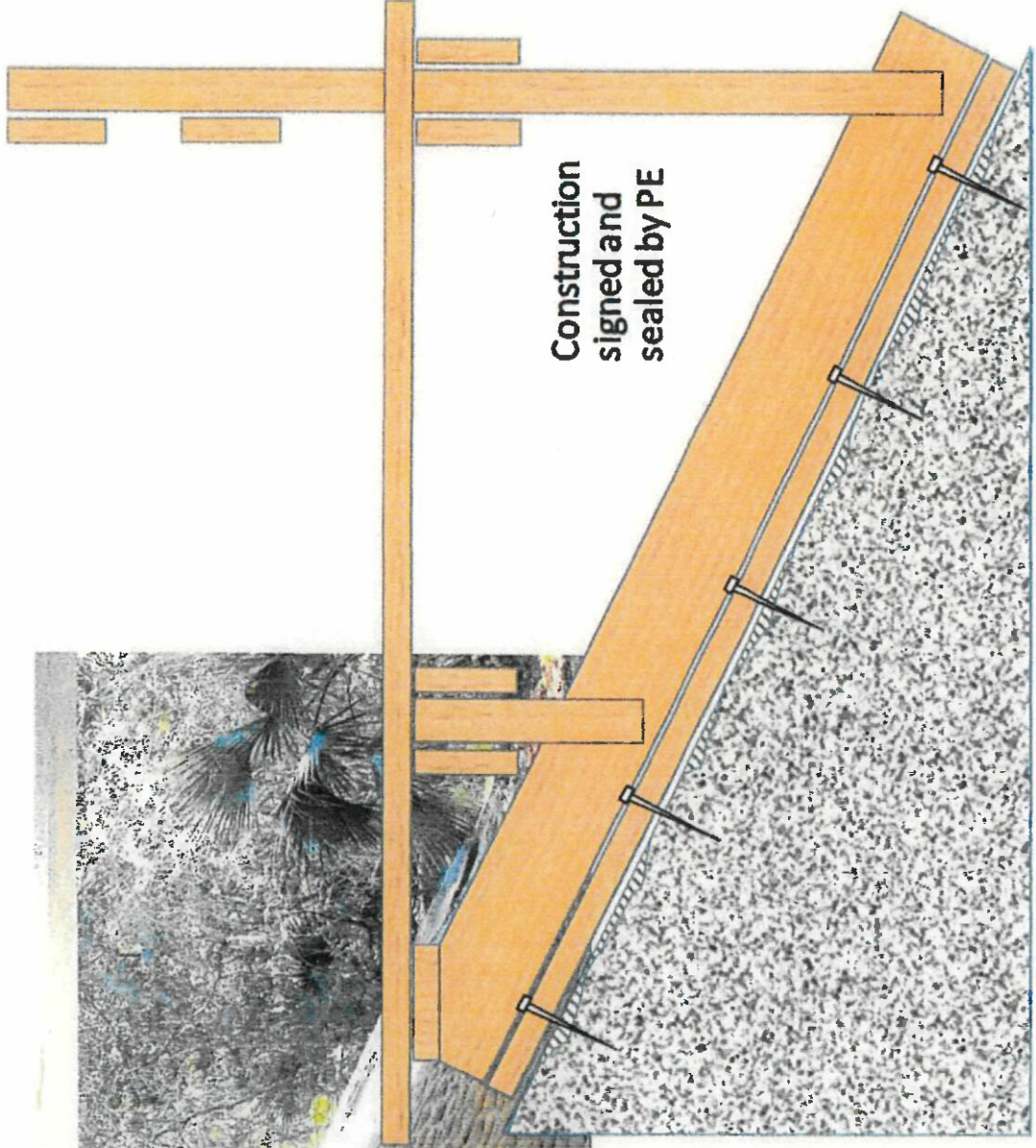
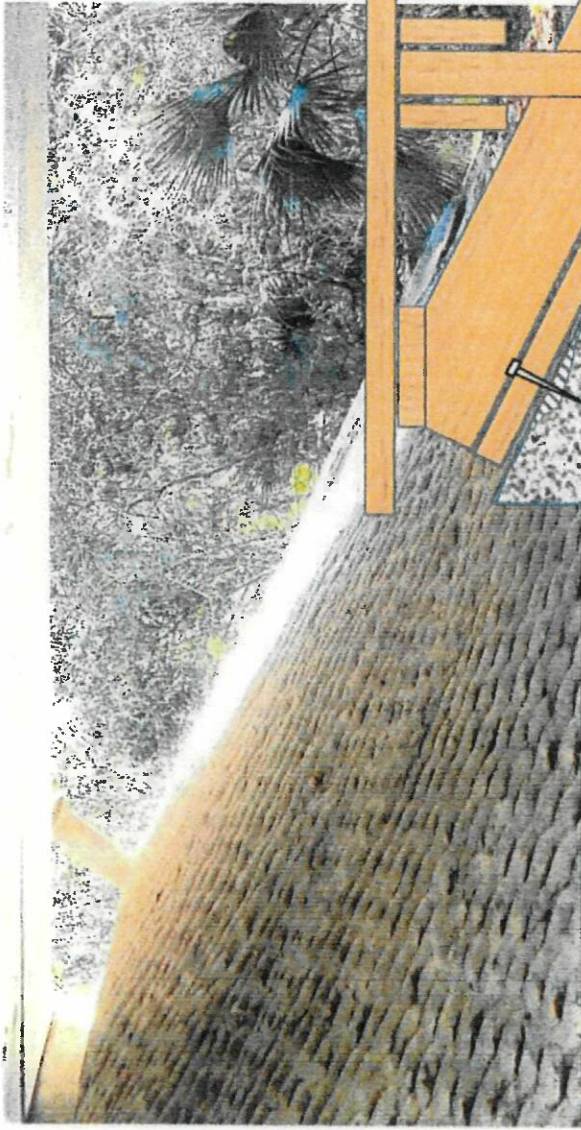
Area map provided by the Brevard County EEL Program



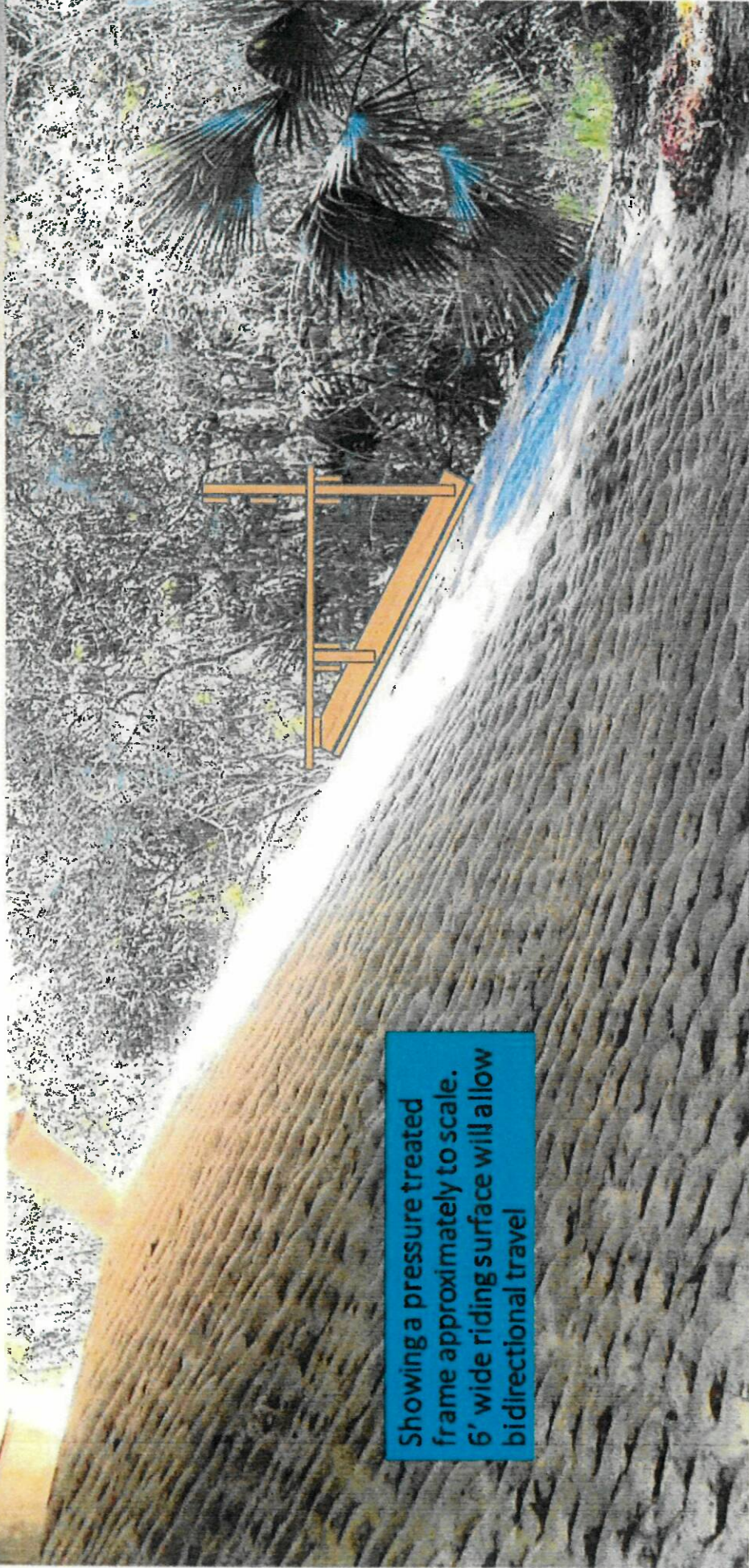


**Idea: Build a simple bypass under the bridge, to allow the user a great and interesting experience, and lower traffic on the on-road crossing**



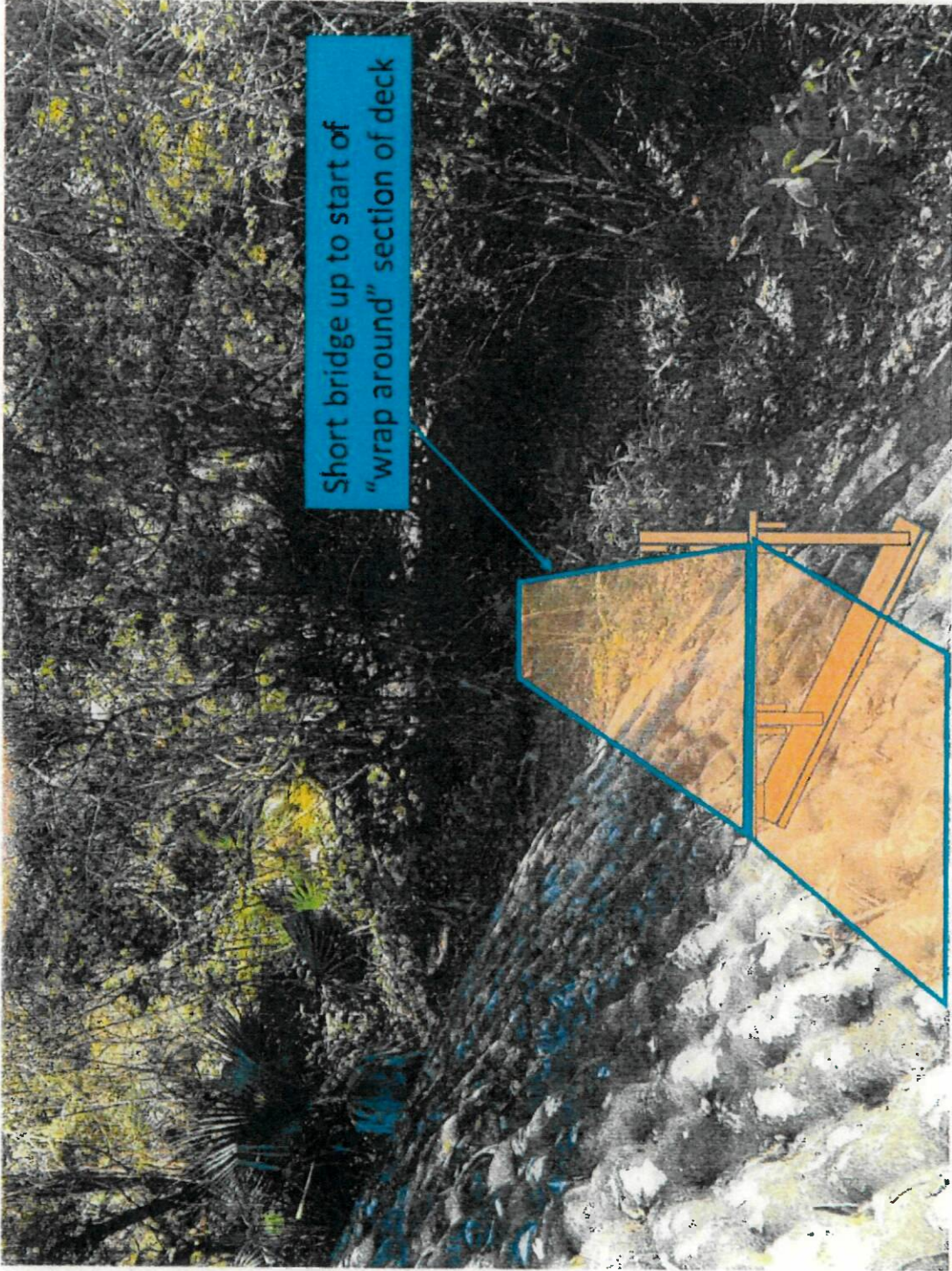


Simple pressure treated wood structure, using stainless steel "tap cons" to attach to concrete apron. It will be well above the waterline, and last for many years (no rain – bridge overhead).



Showing a pressure treated frame approximately to scale. 6' wide riding surface will allow bidirectional travel

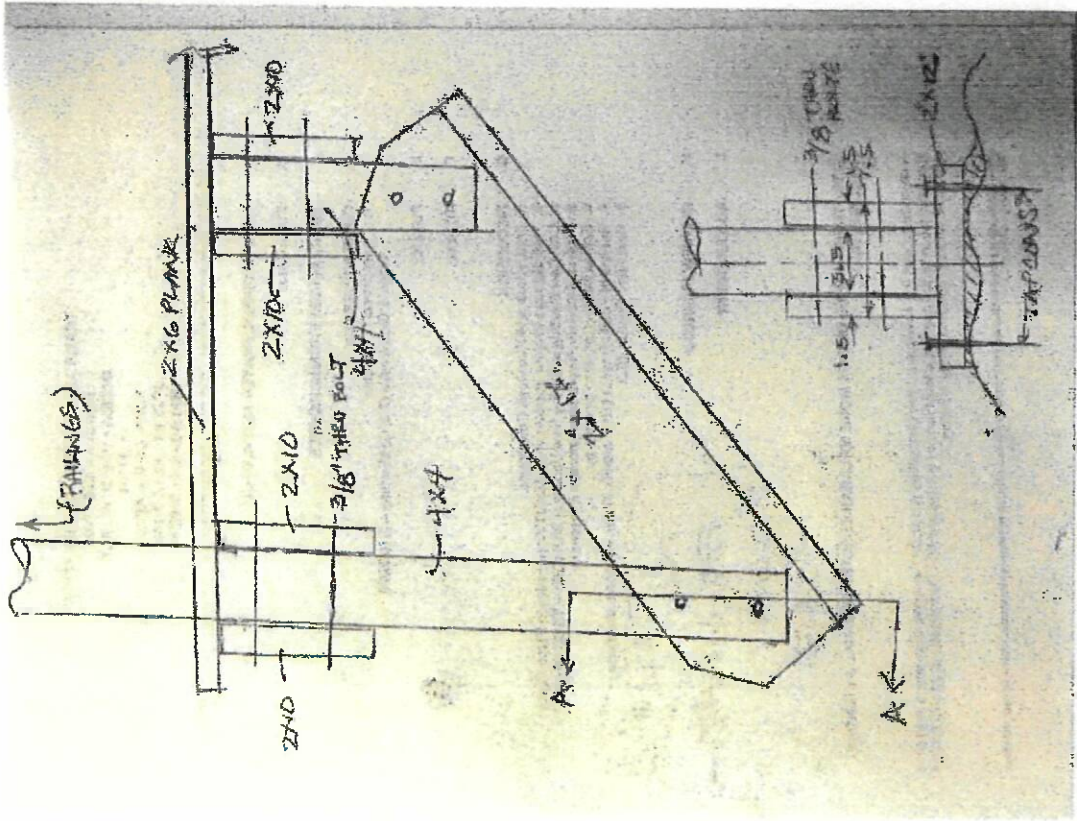




Short bridge up to start of  
"wrap around" section of deck



2x10 - #1 PINE  
CUMBER  
PT. 11  
2x10 - #1 PINE  
Bolt of Malabar  
Bolt  
3/4 x 10



Sent: Friday, July 17, 2020 4:29 PM

To: Pat Reilly <mayor@townofmalabar.org>

Cc: Murray.Hann@L3Harris.com <Murray.Hann@L3Harris.com>; Dorothy Carmel <dcarmel@townofmalabar.org>

Subject: T&GC Request for Agenda Item - Presentation to TC - Briar Creek Underpass

Mayor Reilly,

As approved by T&GC motion, the T&GC would like to request the opportunity for a brief proposed project presentation to Town Council by Murray Hann, Vice Chair of TOM T&GC and Executive Administrator / Board Member of BMBA. The project anticipates that most needed funding would be sourced from BMBA with some possible participation from TOM. Regardless, TOM TC authorization for concept would be a needed prerequisite as the project involves TOM property. T&GC does not seek funding authorization at this time – just concept approval for further project plan development.

This past Monday night, at the TOM T&GC Meeting for July, I attended by phone and Murray Hann chaired the physical meeting. Among agenda items (as attached), was a presentation by Murray of a project that the BMBA - Brevard Mountain Bike Association (of which, I, too am a member) would like to primarily fund and construct. The project proposed is to build a wood bike path under the bridge located just prior to entering Brook Hollow. Murray presented the attached PowerPoint collection of slides – a copy of which I had available to reference from home during the meeting.

The proposed path (wood deck) would be on the east side of the creek at an appropriate height for bikers to have safe bridge clearance with a sufficient distance from the creek to allow use during the summer rainy season (at non-flood water levels). The wood deck for the bike path would be made of appropriate gauge pressure-treated wood, affixed to the bridge apron using stainless steel fasteners. A guardrail would be included along the creek side of the decking – to allow for folks to safely stand and observe the creek while bikers safely pass by. The structure would create minimal resistance to waterflow with regard to flood stages and would be built to withstand periodic flood submersion without damage to structural integrity of decking or bridge apron.

This project concept has been run past the Brevard County Environmentally Endangered Lands Program (EEL Pgm) as it would need that organization's cooperation for the routing of new trail segments to utilize this new feature. Mike Knight, Director of the EEL Pgm, has expressed support for the project, agreeing to incorporate the trail feature in future EEL Pgm managed trail routes if built.

As mentioned earlier, much of the project's funding and construction would be via BMBA. The project would enhance Malabar's Trail System and local ecotourism by providing a shade / rain protected observation deck to observe a Malabar creek on its path to Turkey Creek. Additionally, as a new alternative trail crossing, it is expected that the project would increase trail use safety by reducing some of the bike crossings of Briar Creek Blvd. at the marked trail crossing in the road. With a future Grapefruit Trail to Turkey Creek Sanctuary (south shore) trail recently approved in City of Palm Bay, this project would provide the critical link to create a contiguous trail system route. With this project, one could hike or bike without having to cross a public roadway within the greenway system located between Port Malabar Blvd to the north, Malabar Road to the south, and the Melbourne Tillman Canal to the west!

Could Murray share his brief Briar Creek Underpass presentation with TOM TC at an upcoming RTCM?

Thank you for considering this request. Please let me know if you have any questions and/or need additional actions by me at this time.

Drew Thompson  
Chair, Trails and Greenways Committee, Town of Malabar (T&GC)

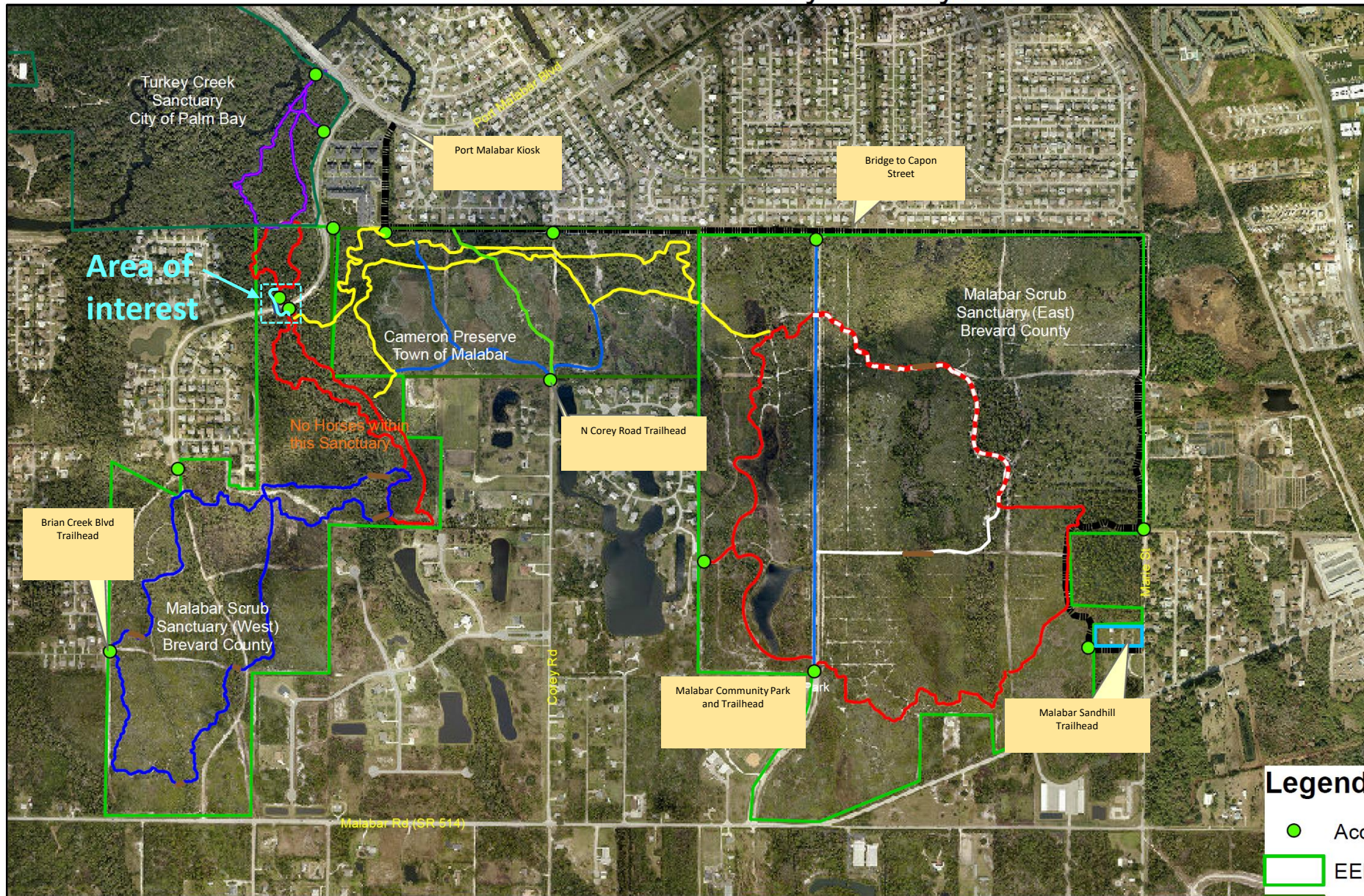


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# Malabar and Palm Bay Trail System



[RIDEBMBA.ORG](http://RIDEBMBA.ORG)

## Legend

- Access Points
- EEL Managed Boundary
- Cameron Preserve
- Paved Trail



0 900 1,800 3,600 Feet



Area map provided by the Brevard County EEL Program



# Trail Underpass Proposed New Trail





Approx. 100' total length with side ramps back to earth



 **Malabar**  
Florida 32950  
28.010810, -80.597423

Measure distance  
Click on the map to add to your path  
Total distance: 102.40 ft (31.21 m)



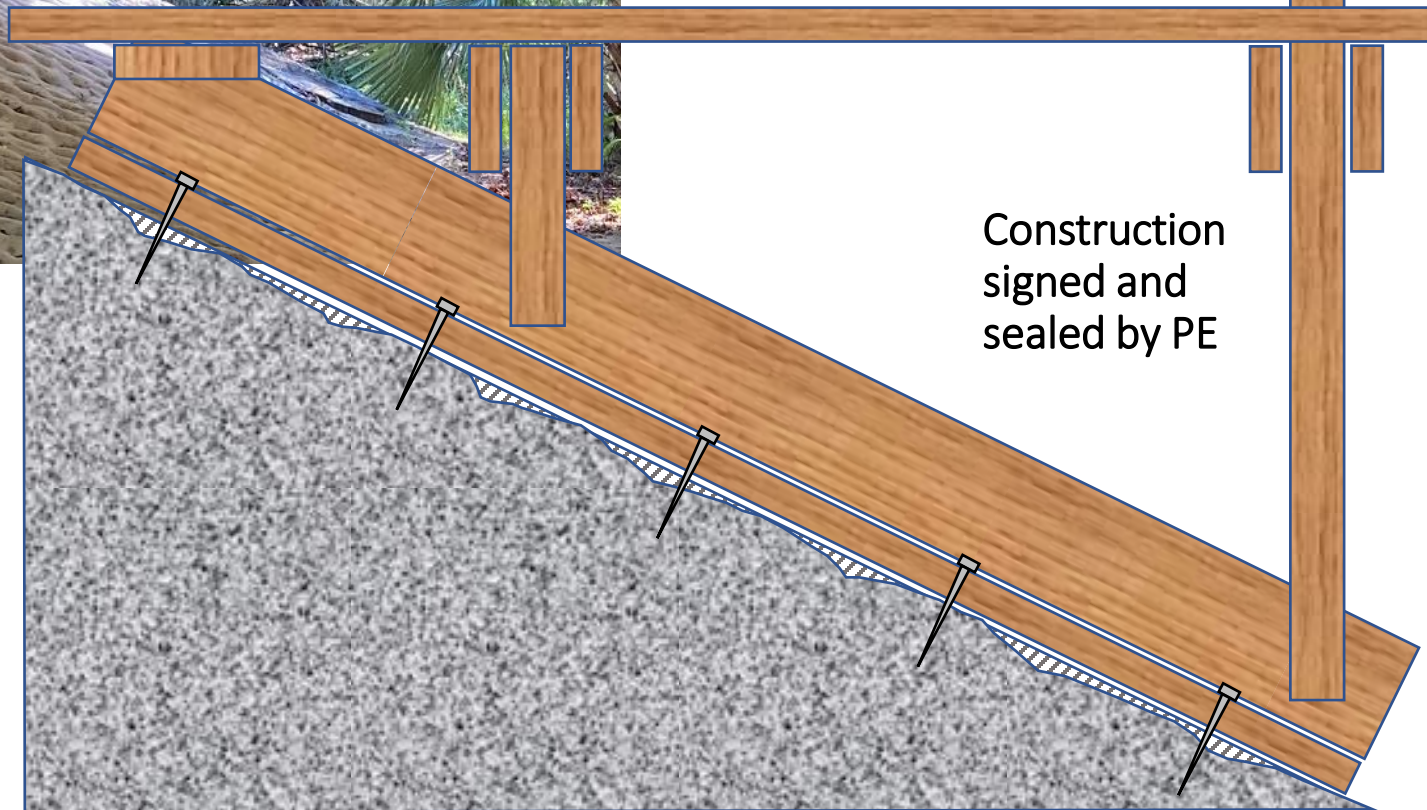
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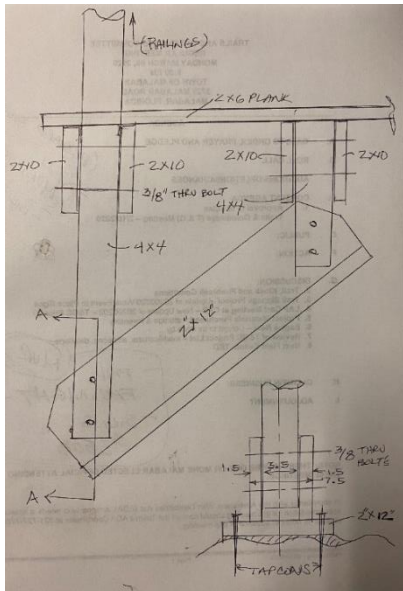




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Construction signed and sealed by PE

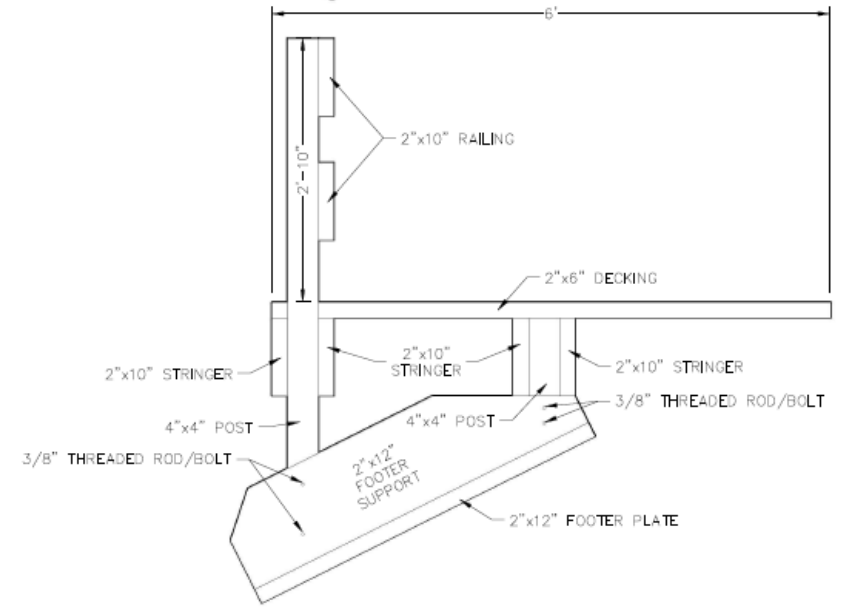
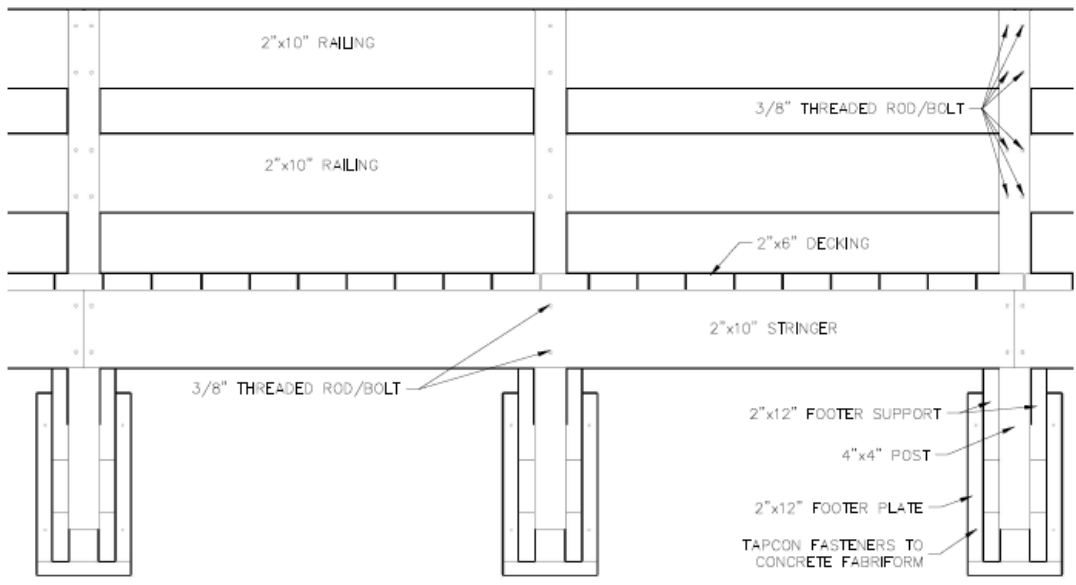
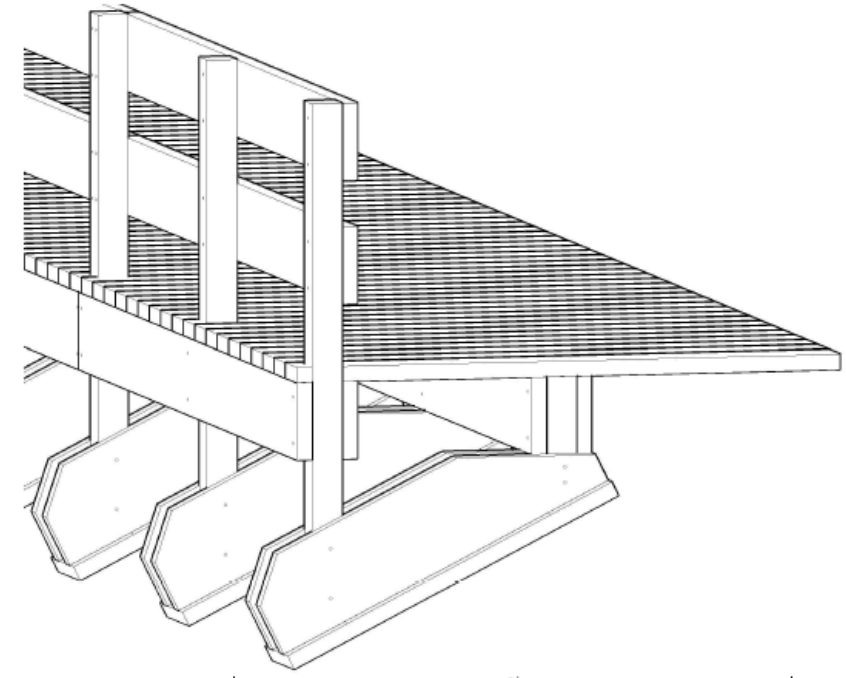
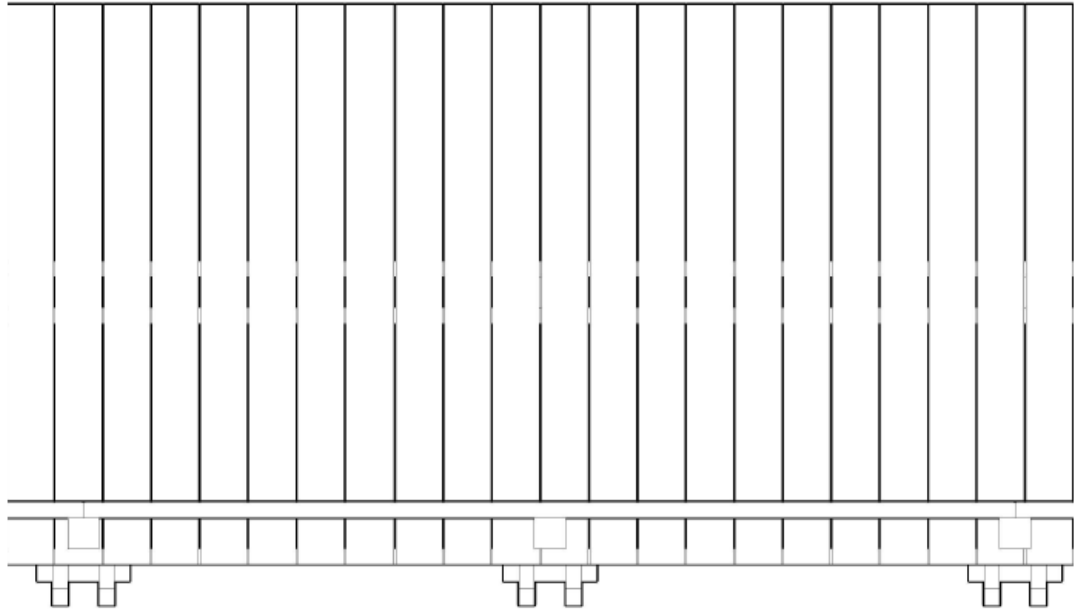


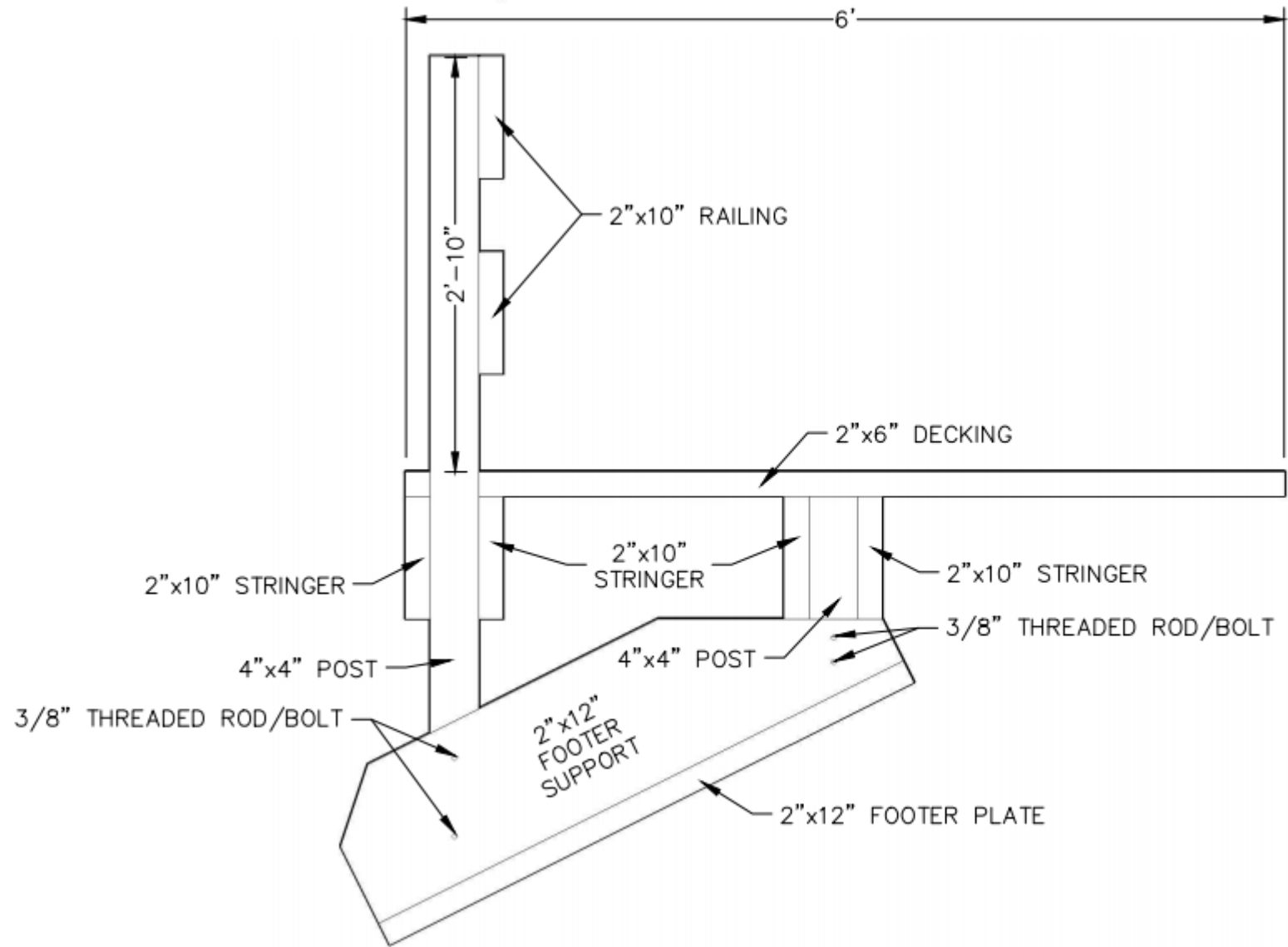
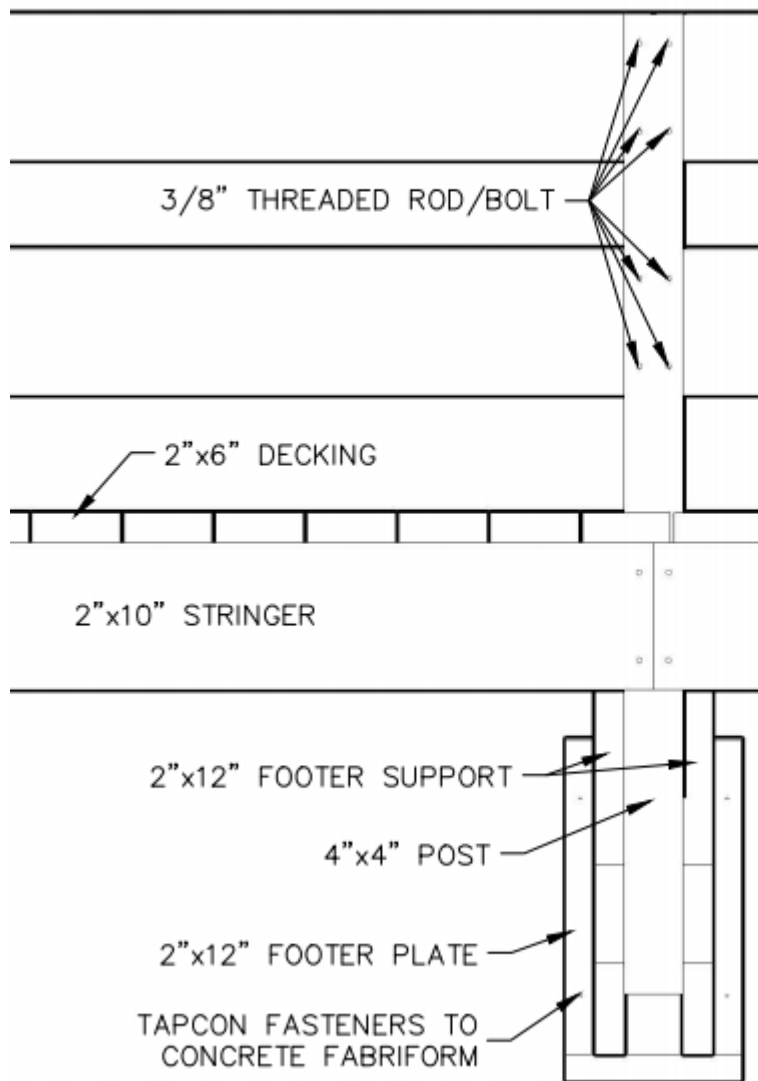


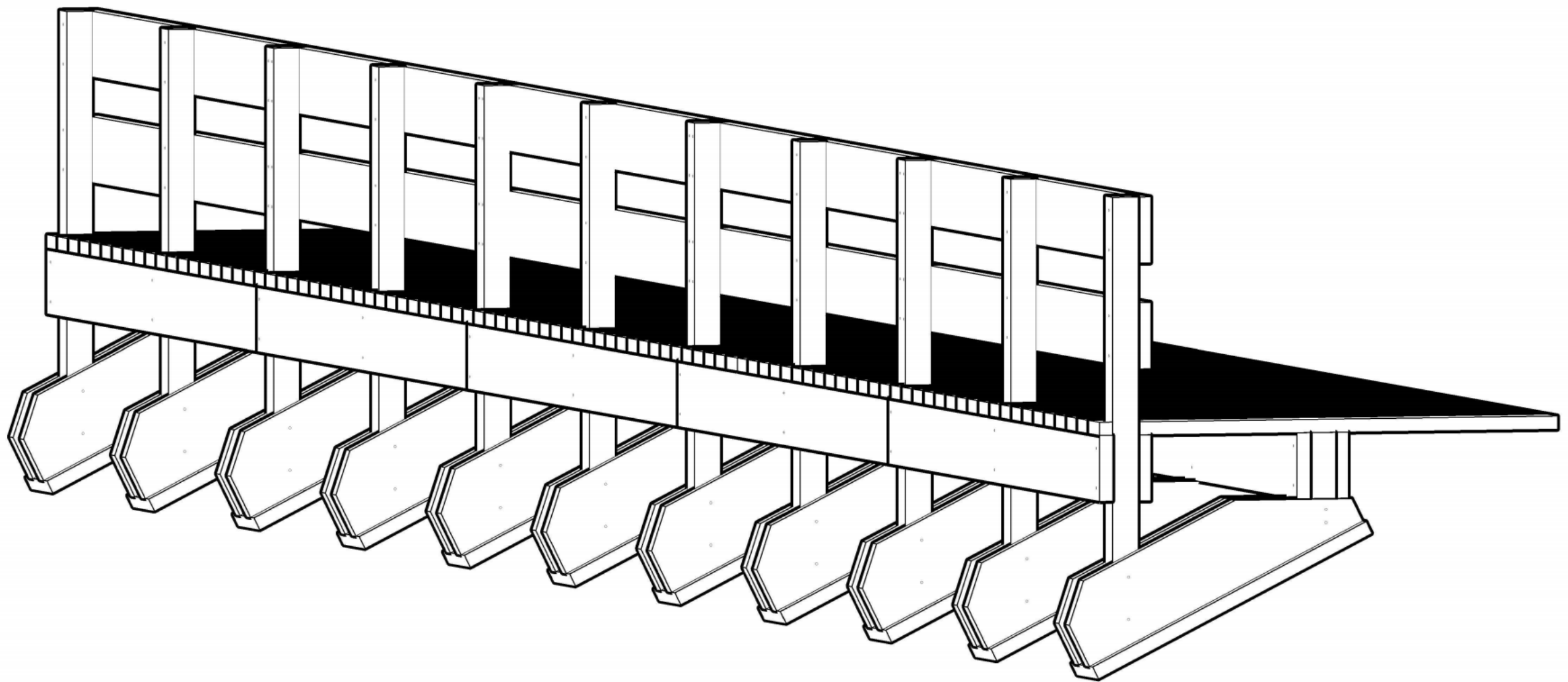
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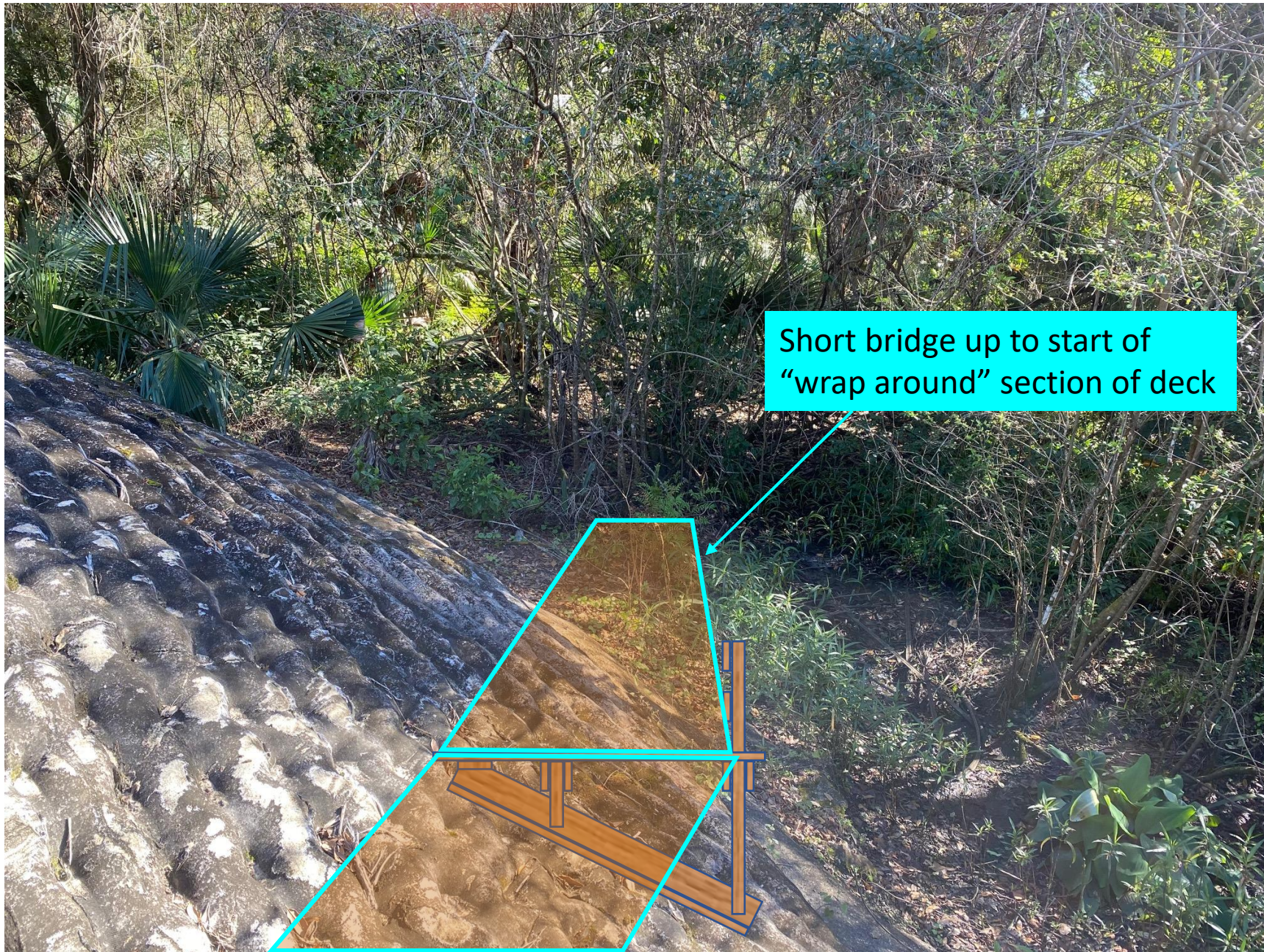


# Development By Professional Civil Designer









Short bridge up to start of "wrap around" section of deck