

## **HIGHWAY 270 BOAT RAMP RENOVATION**

### **List of Improvements to be accomplished via the TPWD Grant**

(The statement "includes removal" means the existing, damaged material will be removed.)

#### **1. Repair Options**

##### **Bulkheads**

New timber sheeting and wales (includes removal)  
New geotextile (includes removal)  
Replace backfill (includes removal)  
Replace concrete sidewalk (includes removal)

##### **Walkways**

New timber decking/stringers & fasteners (includes removal)  
New plastic dock bumpers (includes removal)  
Reduce Deck EL - Cut 1 FT tops off of timber piles

##### **Ramps**

New conc ramp panels w/ curb stop (includes removal)

#### **2. Upgrade Options**

##### **Bulkheads**

Encase timber piles in FBG (protective fiber glass material)  
Install concrete wall (includes removing sheeting & wales)

##### **Walkways**

New composite decking/stringers & fasteners  
Encase timber piles in FBG  
Reduce Deck EL Walkway 1 - Cut 1 to 2 FT tops off of timber piles

##### **Ramps**

Reduce ramp angle - Remove top conc panel and fill under Ramp 1  
Extend Ramp 2

##### **Parking**

New Asphalt Parking Stalls for Kayak Launch  
Re-surface and New Asphalt at Parking Lot

#### **3. Expansion Options**

##### **Bulkheads**

Add a new Timber sheeting wall and Replace Timber Piles

##### **Walkways**

Composite extension of walkway 2  
Add a Composite walkway on west side  
New Concrete Sidewalk Path to Kayak Launch  
New ThruFlow surfaced boardwalk to Kayak Launch

##### **Kayak Launch**

Add ADA Kayak Launch