

STATE OF ALABAMA            )  
  :  
COUNTY OF BALDWIN        )(

The Harbor Board met in a Special Called Meeting at 4:30 p.m.  
Fairhope Public Library, Board Room, 501 Fairhope Ave  
Fairhope, Alabama 36532 on Wednesday, August 3, 2016

Present were Chairman Bob Riggs, members Tom Yeager, Margaret Meyers, John Henry, Jr, Skip Jones, Councilmember Kevin Boone and James Gillespie. Scott Douglas and Tony Chavers were absent. Cynthia A Boothe took the minutes.

Subject: Multi-phase Program for the Renovation and Upgrading of the City's Fly Creek Marina

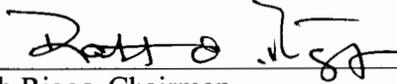
Chairman Bob Riggs called the meeting to order and stated that at the July 11, 2016 City Council Meeting that the Council passed a resolution to renovate the north end of the sea wall at the harbor for \$149,000.00. After further discussion it was decided to rescind that resolution and ask the Harbor Board to present a proposal for the sea wall repair as well as other needed repairs and to prioritize them. Mr Riggs then turned the meeting over to Skip Jones to go over the list of recommendations for repairs to the harbor that he had prepared.

Skip Jones stated that he, Bob Riggs, Tommy Yeager, and John Henry walked the harbor from the fuel dock to the north end and decided what was needed to secure adequate safe tie-up at each slip and the repairs that needed to be done to accomplish it. He then went over the spread sheet he had prepared which listed what work is needed for each slip repair as well as bulkhead repairs and fuel dock refurbishment. Paving, pothole repairs, dredging and drainage issues were included also. The estimated total listed for all of the repairs is \$108,977.00 which Skip stated was a high estimate which should come in at a lower cost when it is actually let out for bids.

Skip Jones made a motion for the list of prioritized repairs and the drawings prepared by Tommy Yeager be brought to the City Council for approval, and the motion was seconded by Tommy Yeager.

Tommy Yeager then went over the drawings he had prepared to help illustrate what the repairs would look like and how they would be constructed. After a group discussion of the list and drawings the motion was passed unanimously.

There being no further business the meeting was duly adjourned at 5:15PM.

  
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Bob Riggs, Chairman



New Finger Pier



Reset outside  
Piling making  
6 slips 16' wide  
3 finger piers

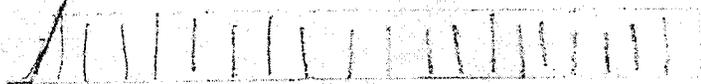
New Bulkhead



New Finger  
Pier



Reset  
Piling

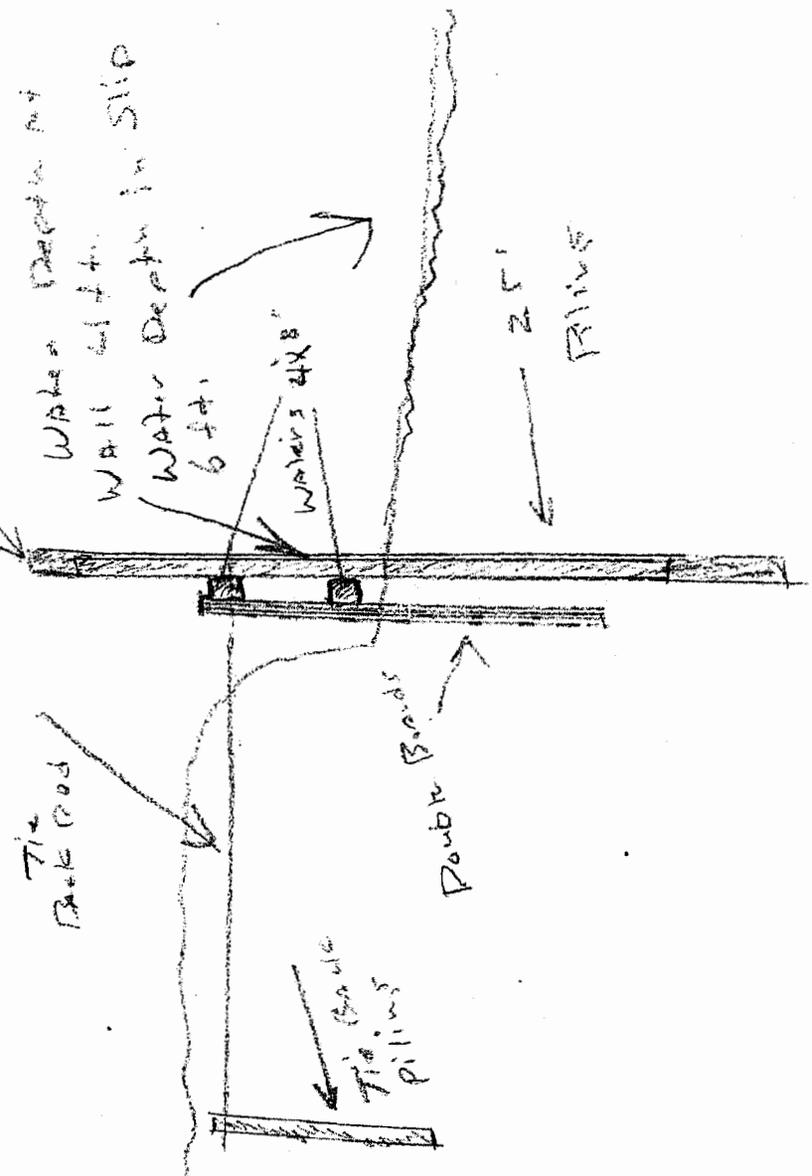


Existing Finger Pier

Fly Creek

Spec. for Treated wood Bulkhead (see 5 sheet.)

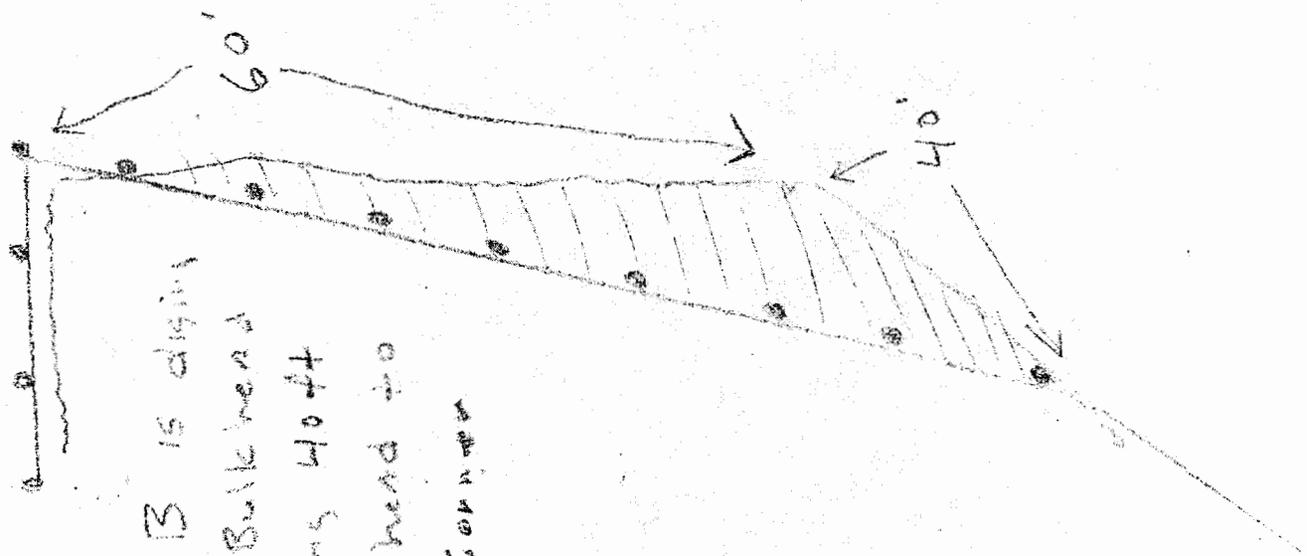
Piling 4 1/2" x 8" Bulkhead and Back members



- Pilings 2 1/2' 10" x 12" Bats
- Water's 4" x 8" (Two water's)
- Bulkhead Boards 1 1/2" x 8"
- 2" x 8"
- Tie Back Piling 10'-12'
- Solid Tie Back Rods
- Filter cloths and Back Fill

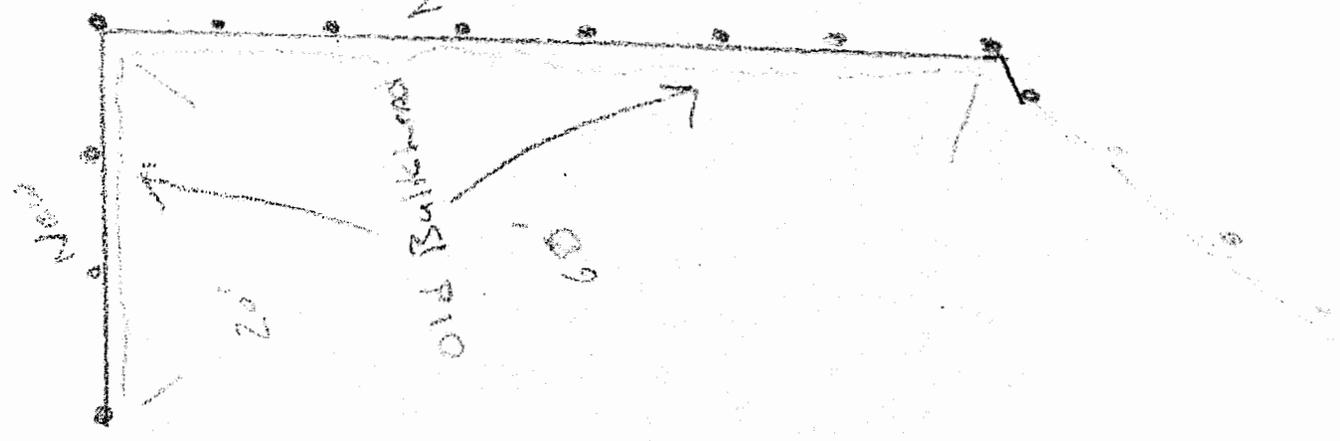
Plan 'B'

Plan B is digging  
out Old Bulkhead  
and Adding 40 ft  
Mini Bulkhead to  
Sewer Conner



Plan 'A'

Leaves old  
Bulkhead pieces  
New in front of  
old.  
(80') covered  
New plus 60' on  
Creek



## Fairhope Harbor Board

### Recommendations for repairs to City of Fairhope Fly Creek Marina

August 3, 2016

	Estimated Cost (See notes below)			
	New piling	Move piling	Repair Pier	Other
Beginning at the south end (Slip 1):				
1. Replace 3 piling on south side of Slip 1 and reconfigure walkway to square-off Slip. Re-set outboard two piling and cross-brace.	\$1,230	\$900	\$500	
2. Finger pier at Slip 6. Outboard pair of piling to be re-set and cross-braced.		900	200	
3. At Slip 6, section of old bulkhead (approx. 6 ft) and 2 damaged piling to be removed to gain full use of Slip 6.			1,000	
4. Finger pier at Slips 8/9 to be re-decked and one piling replaced. Outboard piling on north side of Slip 9 to be repositioned.	410	450	300	
5. Finger pier at Slips 11/12 to be repaired and reconnected to outboard pilings.			300	
6. At Slip 11, mooring piling (8' above water) added at bulkhead. Outboard piling on north side of Slip repositioned east 10'.	410	450		
7. Additional piling for mooring at Slip 12 at bulkhead.	410			
8. At Slip 14, two mooring piling at bulkhead.	820			
9. At Slip 16, one mooring piling at bulkhead and one midway out toward creek.	820			
10. At Slip 18, one low piling at bulkhead and two mooring piling. Finger pier repaired, including one piling replaced and damaged piling cut off.	1,640		500	
11. At Slip 19, replace one mooring piling at bulkhead.	410			
12. At Slip 20, cut off two damaged piling.			300	
13. At Slip 21, remove piling on south side.			200	
14. At Slips 21/22, finger pier decking to be repaired.			500	

15. Upgrade electrical connections at each Slip to include one 30 amp plug and one 20 amp plug for each Slip, all enclosed in weather-proof covers.					\$6,327
16. Provide water service at each Slip.					1,000
17. Provide water and electrical service on north fence at two locations.					1,000
18. Remove and replace bulkhead from north end of City property approximately 100 feet. New bulkhead to be marine-treated timber with 10" butt piling (length as determined) and double-planked wall (2x8 backed by 1x8), with filter cloth and galvanized tie-backs (length as determined). Grade behind new bulkhead to be established approximately 12" above existing.					63,000
19. All Slips to be dredged to 6' (at mean low tide).					25,000
20. Any electrical fixtures installed by slip lessees to be upgraded to meet city code				Lessee responsibility	
21. Repair transition of paving at Sea Cliff Drive/harbor entrance and correct drainage to prevent erosion. Fill potholes and manage drainage into creek at slips 12 to 5.				City and/or County resources	
22. Refurbish fuel dock, including mooring fixtures and new decking. (Safety issue)				Lessee responsibility & obligation	
Total of estimated cost by type	<u>\$6,150</u>	<u>\$2,700</u>	<u>\$3,800</u>		<u>\$96,327</u>
Grand total estimated cost					<u><u>\$108,977</u></u>

Notes:

Cost of new 25', 10" butt piling estimated at \$110 for piling and \$12.00/lin ft to drive.  
 Cost of moving existing piling to be \$6.00/lin ft to remove and \$12.00/lin ft to re-drive.  
 Cost of repairing deck at approximately \$20.00/sq ft  
 Bulkhead: 100 lin ft at \$590.00/lin ft. & \$40.00/lin ft for removal of existing. Cost based on work being done on east side of Fly Creek (Our bulkhead should be considerably less, due to height and tie-back requirements, but this is a known, firm price in comparable conditions. Appropriate for estimating purposes.)  
 Cost of dredging estimated at approximately 200% of prior bid.  
 Item 15 priced with commercial marina power panels.