## Wharf to be sharpened up

By BOB SMITH "armored" steel bow when it's have asked the state rebuilt this spring.

Council last Thursday local costs. night approved plans that call for replacing uled to meet Tuesday the storm-destroyed tip morning in Sacramento of the wharf with heavy to hear the city prosteel pilings that will posal and Burrell was form a stub-shaped bow confident that the state - a shape that engi- board would approve neers believe will better the request. withstand the impact of the sea, logs and other debris in the water.

an estimated \$184,000.

state and city.

The Federal Emerthe wharf actually dam- 16-inch waves.

But damage to the wharf.

measures is the city's. an "A-frame. But the council was told

Capitola Wharf will and Public Works Director Craig French Wildlife Conservation The Capitola City Board to pay half of the

The board was sched-

Thursday night after the Rebuilding will cost council meeting, the city. "The problem in Financing will proba- an estimated 25-30 per- 12-inch square concrete bly come from three cent of the total cost -- federal, or approximately \$50,- per foot and handling a 000.

Marine structural require gency Management engineer Harold Ander-Agency will pay 75 per- son suggested rebuildcent of the cost to ing the missing 30-foot deck." rebuild the portion of end of the wharf, using diameter aged or destroyed by the wooden pilings. But then the wharf would be the federal extended another 20 feet agency won't pay any- and narrowed from 60 thing for the "mitiga- feet to 20 feet, with 14tion" measures which inch diameter steel pilare suppose to prevent ings. The vertical steel or minimize future pilings would be welded to second metal pilings Responsibility for driven at an angle those federally required behind them, forming

Steel pilings can sup-

Manager Steve Burrell column load of wooden pilings, are 3.5 times as strong in bending, and when two are welded together in an "Aframe" the combination can resist lateral loads at the deck level 40 times greater than a single timber pile.

The recommendation to substitute the steel piling for wood is a compromise, Anderson said. "The best selection would be pres-If so, said French tressed concrete." he said in a report to the city will end up paying our case is weight. A pile weighs 150 pounds 60-foot pile would equipment larger than can be supported by the Wharf

> The steel piles weigh 55 pounds per foot, making it possible to transport them onto the wharf and then drive them with equipment that the wharf can support.

Anderson estimates that it will cost 1.6 times as much to install steel pilings compared to wood.

last Thursday that City port 2.5 times the should be recognized effective a month later.

that if timber piles will fail under certain predictable wave loads. that they are simply not adequate and a pile of stronger materials is necessary, regardless of cost."

The reconstruction could be out for bid by the end of March, French said, if the city gets the go-ahead from the state, FEMA, and the state Coastal Commission.

When the wharf is reconstructed. there will be some new "don'ts" for its users.

The council tentatively approved amendments to the city ordinances, banning any sort of fires on the wharf, trespassing when the wharf is closed, and water skiing or the use of a boat to tow a water skier within 300 feet of the wharf.

The council banned the use of "jet skis" anywhere in the city, which includes water around the wharf out approximately one

The ordinance will be presented to the council for a second reading in two weeks and if But he adds: "It adopted, will become