



**Marine Accident Report: Allision of Hong Kong-Registered Containership M/V Cosco Busan with the Delta Tower of the San Francisco-Oakland Bay Bridge San Francisco, California November 7, 2007**

*National Transportation Safety Board*

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On November 7, 2007, the Hong Kong-registered, 901-foot-long containership M/V Cosco Busan allided with the fendering system at the base of the Delta tower of the San Francisco–Oakland Bay Bridge. Contact with the bridge tower created a 212-foot-long by 10-foot-high by 8-foot-deep gash in the forward port side of the ship and breached the Nos. 3 and 4 port fuel tanks and the No. 2 port ballast tank. As a result of the breached fuel tanks, about 53,500 gallons of fuel oil were released into San Francisco Bay. No injuries or fatalities resulted from the accident, but the fuel spill contaminated about 26 miles of shoreline, killed more than 2,500 birds of about 50 species, temporarily closed a fishery on the bay, and delayed the start of the crab-fishing season. Total monetary damages were estimated to be \$2.1 million for the ship, \$1.5 million for the bridge, and more than \$70 million for environmental cleanup.

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**From reader reviews:**

**George Hardy:**

The knowledge that you get from Marine Accident Report: Allision of Hong Kong-Registered Containership M/V Cosco Busan with the Delta Tower of the San Francisco?Oakland Bay Bridge San Francisco, California November 7, 2007 is the more deep you rooting the information that hide within the words the more you get thinking about reading it. It doesn't mean that this book is hard to understand but Marine Accident Report: Allision of Hong Kong-Registered Containership M/V Cosco Busan with the Delta Tower of the San Francisco?Oakland Bay Bridge San Francisco, California November 7, 2007 giving you enjoyment feeling of reading. The writer conveys their point in certain way that can be understood simply by anyone who read it because the author of this book is well-known enough. That book also makes your current vocabulary increase well. It is therefore easy to understand then can go with you, both in printed or e-book style are available. We advise you for having that Marine Accident Report: Allision of Hong Kong-Registered Containership M/V Cosco Busan with the Delta Tower of the San Francisco?Oakland Bay Bridge San Francisco, California November 7, 2007 instantly.

**Steven Thomas:**

People live in this new day of lifestyle always try to and must have the free time or they will get large amount of stress from both lifestyle and work. So , when we ask do people have extra time, we will say absolutely without a doubt. People is human not only a robot. Then we ask again, what kind of activity do you have when the spare time coming to you actually of course your answer will certainly unlimited right. Then do you ever try this one, reading publications. It can be your alternative with spending your spare time, the particular book you have read is definitely Marine Accident Report: Allision of Hong Kong-Registered Containership M/V Cosco Busan with the Delta Tower of the San Francisco?Oakland Bay Bridge San Francisco, California November 7, 2007.

**Scott Rochelle:**

Playing with family in the park, coming to see the coastal world or hanging out with buddies is thing that usually you may have done when you have spare time, and then why you don't try matter that really opposite from that. Just one activity that make you not sense tired but still relaxing, trilling like on roller coaster you already been ride on and with addition associated with. Even you love Marine Accident Report: Allision of Hong Kong-Registered Containership M/V Cosco Busan with the Delta Tower of the San Francisco?Oakland Bay Bridge San Francisco, California November 7, 2007, you may enjoy both. It is very good combination right, you still wish to miss it? What kind of hangout type is it? Oh come on its mind hangout men. What? Still don't buy it, oh come on its named reading friends.

**Thomas Williamson:**

The book untitled Marine Accident Report: Allision of Hong Kong-Registered Containership M/V Cosco Busan with the Delta Tower of the San Francisco?Oakland Bay Bridge San Francisco, California November 7, 2007 contain a lot of information on the item. The writer explains her idea with easy technique. The language is very straightforward all the people, so do not necessarily worry, you can easy to read this. The book was written by famous author. The author brings you in the new period of literary works. You can read this book because you can please read on your smart phone, or product, so you can read the book inside anywhere and anytime. If you want to buy the e-book, you can start their official web-site as well as order it. Have a nice study.

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