

October 19, 2007

MBARI

Moss Landing, CA

Attn: Brett Hobson, Mechanical Engineer
Ref: Western Flyer ROV LARS Upgrade for Tiburon II
Allied Quote # 3661

Mr. Hobson,

Thank you for allowing Allied Systems Company to be a part of your crane up-grade project for the R/V: Western Flyer. We feel that we can provide a superior product, that is a true marine duty crane, which is custom designed for your specific application. The model we have designed for you will be Allied **TK22-25** and will have the following features:

- 1) (1) Telescoping knuckle boom marine crane system custom designed to handle the Tiburon ROV on board R/V Western Flyer with a design load of 22000lbs (this is actual load plus DLF 1.52)
- 2) Allied CT 22 constant tension winch, final gear ratio to be determined.
- 3) Crane to mount to existing foundation.
- 4) A basic operators platform with crane controls.
- 5) Stainless steel hose ends & fittings up #20 and non-critical hardware.
- 6) Marine epoxy coating system (white)
- 7) Crane to use customer supplied HPU.
- 8) Crane to be suitable for interfacing with existing Dynacon ROV Docking Head with modifications to the Docking Head adaptor.
- 9) Crane to be designed to meet deck layout with regards to walk paths.

- A) Price for one unit (Ex-Works, Sherwood, OR) \$ 225,800.00
- B) Shipment would be April/May 2008.
- D) Preferred payment terms are: 30% down with order
70% at completion of factory test
- E) Service representative is available for installation and start-up assistance and would be under separate contract.

Allied Systems Company appreciates the opportunity to work with you on this project and I ask you to contact me if you have questions concerning this quotation.

John Adams

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Allied Systems Company
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