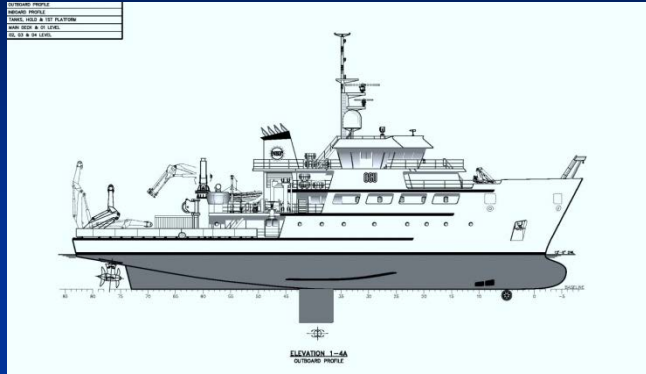




Regional Class Research Vessel (RCRV)

October 2014



- Phase I Award, Project Refresh (Oregon State University) – January 2013
- Conceptual Design Review (CDR) - December 3-5, 2013
- Preliminary Design Review (PDR) – August 5-7, 2014
- 2000 LWT, ~190 feet, twin azimuthing drives, dual bow thrusters, double-articulating A-frame, U-Tube stabilization, 18 scientist berths
- Info Item to NSB - November 19-20, 2014
- Final Design Review (FDR) – August 2016
- Input from UNOLS, science community, National Academy of Science on number of vessels required for Academic Research Fleet “right-sizing”
- If funded, up to three vessels, **construction 2017-21, delivery 2021-23**



HOV *Alvin*

October 2014

- Currently working off U.S. West Coast
- Re-certified by U.S. Navy for 3800-m operations
- Full operational rating of 4500-m expected January 2015 following deep certification dives
- Successful Science Verification and Pilot Training dives preceded first science cruise
- NSF-funded science cruises in Gulf of Mexico and East Pacific Rise well supported
- New interior ergonomics and vehicle performance meet or exceed Scientist and Pilot expectations

