

PERFORMANCE PROGRESS REPORT SF-PPR

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10. Performance Narrative <i>(attach performance narrative as instructed by the awarding Federal Agency)</i> (Please see attached documents)			
11. Other Attachments <i>(attach other documents as needed or as instructed by the awarding Federal Agency)</i>			
12. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.			
12a. Typed or Printed Name and Title of Authorized Certifying Official Ernest G. Charette Director of Construction Projects		12c. Telephone (area code, number and extension) 1.508.289.2702	
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12b. Signature of Authorized Certifying Official		12e. Date Report Submitted (Month, Day, Year) January 10, 2011	
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NIST Grant # 60NANB10D031

WHOI Project Number 49003100

Laboratory of Ocean Sensors and Observing Systems (LOSOS)

Progress Report 4 – 4th Quarter 2010

Date: January 7, 2011.

Overall Project Baseline

The Woods Hole Oceanographic Institution (WHOI) received funding from NIST to construct a Laboratory for Ocean Sensors and Observing Systems (LOSOS). LOSOS will be an interdisciplinary center for scientists and engineers developing the next generation of sensors and supporting technology for ocean observation. It will specifically support the Ocean Observatories Initiative (OOI), the Martha's Vineyard Coastal Observatory (MVCO), the Ocean Bottom Seismometer Instrument Pool (OBSIP) and the Environmental Sample Processor (ESP) lab. The current planning provides for a 26,600 sq. ft. building on the WHOI Quissett Campus which will incorporate all of the scientific disciplines noted above. All aspects of the building function and operation, including sustainability and green construction will be thoroughly reviewed and updated throughout the project.

Update of Significant Results in Period

The corrected Covenant of Purpose, Use and Ownership is complete and was re-recorded at the local registry of deeds. The Davis Bacon compliance procedures were submitted to NIST who reviewed and accepted them. The contract documents with the architectural firm (Ellenzweig) and with the construction management firm (Columbia Construction Company) are complete and fully executed. The Environmental Questionnaire and Checklist (NEPA Documents) have been reviewed and were accepted by NIST. We completed another round of meetings with the proposed building occupants to further develop the design of the individual building spaces. As a direct result, the Design Development documents including all drawings and specifications for the project were completed on December 3, 2010. The Design Development documents were submitted to the construction manager and to an independent cost estimating firm (Vermeulens Cost Consultants) to provide updated costs estimates for the construction of the building. The updated cost estimates will be reviewed by the design team and the owner and will be reconciled in the next quarter. We are collecting all the documentation required for a formal regulatory filing with the Cape Cod Commission and this process is substantially complete. The formal filing will be made on January 4, 2011. The project was registered with the U.S. Green Building Council to obtain a LEED certification for the project. The target certification is LEED Silver. To assist with the required documentation of this effort, we have engaged the services of a LEED consultant (Richard Moore Environmental Consulting) and other design professionals (Ellenzweig; SMRT, Inc) knowledgeable in obtaining LEED certification for building projects. The design team provided a review of the design development documents with interested NIST officials using a webinar format on December 16, 2010.

Milestones

Please see attached milestones chart (Work Breakdown Structure)

Technical Progress - Summary

- Re-recorded corrected Covenant of Purpose, Use and Ownership at the local registry of deeds.
- The Davis Bacon compliance procedures were submitted and accepted.
- The contract documents with the architectural firm and construction management firm were completed and fully executed.
- The Environmental Questionnaire and Checklist (NEPA Documents) have been reviewed and accepted.
- Completed another round of meetings with the proposed occupants to further develop the building office and laboratory space design.
- The design development documents including plans and specifications were completed on December 3, 2010.
- The design development documents were submitted to Columbia and Vermeulens to provide updated costs for building construction.
- Notified the local electrical utility of our plans and have completed the work order application.
- Further developed the architectural expression of the building.
- Continued collecting all the documentation required for a formal regulatory filing with the Cape Cod Commission
- The project was registered with the U.S. Green Building Council to obtain a LEED certification for the project.
- Several LEED consultants were engaged to assist with LEED documentation requirements.
- The design team provided a review of the design development documents with interested NIST officials on December 16, 2010.

Technical Progress - Implications

We have completed the initial NIST legal documentation requirements for the project. Our focus continued on compiling the documentation required to address the local and regional regulatory issues for the project to ensure a swift completion of the regional regulatory process. The process has taken longer than originally estimated and the formal filing will be delayed until January of 2011.

Technical Progress – Current Status

The design development aspects of the project continue and reasonable, steady progress is being realized. Although we desired to complete a formal filing with the Cape Cod Commission, the regional regulatory agency, in November 2010, the process was delayed to allow time to gather additional documentation. The desired occupancy date for the building is June 2012. We have ample time to meet that date.

Technical Progress – Mitigation of Risks

The pre-construction activities including reviewing design development estimates and identifying value engineering opportunities providing the cost implications of program requirements will prove very beneficial in mitigating risks throughout the project. We have compiled a thorough document package which we believe will effectively address any regulatory concerns from the Cape Cod Commission. This may reduce the review period to less than the expected 90 days.

Summary of Proposed Changes

There are no proposed changes since the last report.

Problems and Opportunities

Problems – None

Opportunities – We will continue to pursue opportunities to add value or scope to the overall project.

Organizational Issues

None. The design team now includes professional consultants to assist with LEED documentation requirements.

Upcoming Meetings and Project Events

Meetings

We expect programming meetings with each of the user groups to continue over the next few weeks.

The design team will meet to reconcile the estimates from the cost consultant and from the construction manager in January 2011.

Project events - None.

Respectfully submitted

Ernest G. Charette

Project Schedule

