

PERFORMANCE PROGRESS REPORT SF-PPR

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1. Federal Agency and Organization Element to Which Report is Submitted National Institute of Standards and Technology (NIST)		2. Federal Grant or Other Identifying Number Assigned by Federal Agency 60NANB10D031	
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4. Recipient Organization (Name and complete address including zip code) Woods Hole Oceanographic Institution 183 Oyster Pond Road Woods Hole, MA 02543		5. Recipient Identifying Number or Account Number 2519883 490031SP	
6. Project/Grant Period Start Date: (Month, Day, Year) End Date: (Month, Day, Year) 02/01/2010 12/31/2012		7. Reporting Period End Date (Month, Day, Year) 09/30/2011	
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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) October 5, 2011	
		13. Agency use only	

NIST Grant # 60NANB10D031
WHOI Project Number 49003100
Laboratory of Ocean Sensors and Observing Systems (LOSOS)
Progress Report 7 – 3rd Quarter 2011
Date: October 5, 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

In July, the construction manager (CM) Columbia Construction Company (CCCI) began the site work for the project which included removal of stumps, stripping topsoil for storage and processing off site, redistribution of subsoils with cuts and fills as needed, soil compaction on fill areas and compaction testing by an independent engineering firm. The installation of site utilities was begun with the placement of underground piping including sanitary waste water systems, process waste water systems and site drainage systems. In August, work began on the cast in place concrete for building footings and foundation walls and the installation of underground piping systems for domestic water service, fire sprinkler service as well as the underground high voltage electrical service. The concrete pit for the elevator was constructed and the elevator jack hole was installed. The completed foundation walls were coated with waterproofing material and then insulated. In early September, preparations were made on the construction site to mitigate the effects of Hurricane Irene. There were no consequences to the project as a result of the storm. The concrete work and site utility work continued throughout the month with the installation of the under slab utilities including the plumbing drains, process waste drain piping and the roof drain leaders as well as the installation of telephone/data service conduits. The erection of the structural steel started on 9/13 and the last beam was installed at a "topping out" ceremony on 9/23. The CM continues to finalize the remaining trades bid packages to complete the guaranteed maximum price (GMP) process. The requests for information, submittals and other project document details continue to be processed as required to keep the project moving forward. The internal construction web site is continues to be updated regularly with information on progress and construction photos.

Milestones

Please see attached updated milestones chart 10.5.11 (Project Schedule).

Technical Progress - Summary

- The construction manager began the site work for the project.
- The installation of the various site utilities was undertaken and continues to date.
- The cast in place concrete footings and foundations were installed, waterproofed and insulated.
- WHOI and the construction manager prepared for and successfully mitigated the effects of a hurricane in the region.
- The under slab utilities were installed.
- The erection of the structural steel began on September 13 and concluded with a topping out ceremony on September 23.
- The CM is currently soliciting all remaining quotations to finalize the GMP for the project.
- WHOI continues to provide regular communication updates through the use of a website dedicated to the construction project.

Technical Progress - Implications

The construction is underway and progress is being made.

Technical Progress – Current Status

The construction phase of the project is underway and reasonable, steady progress is being realized by the construction team. The desired occupancy date for the building is June 2012. The construction duration is estimated at 57 weeks from 6/7 making the expected occupancy date July 2012.

Technical Progress – Mitigation of Risks

The construction activities include weekly construction meetings with the construction manager, architect and members of the design team as appropriate and the owner. The results of such meetings including daily communications of needs and expectations by all team members will continue to prove very beneficial in mitigating risks throughout the project.

Summary of Proposed Changes

There are no proposed changes to the scope of the project since the last report.

Problems and Opportunities

Problems – Kawneer, one of the preferred manufactures for the building stairwell window sections, declared a “force majeure” as a consequence of damages to their factory from Hurricane Irene which required us to find a substitute vendor. Working collaboratively, the team found a suitable alternate without impacting cost or schedule.

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

Organizational Issues

(None)

Upcoming Meetings and Project Events

Meetings

We will hold weekly construction meeting throughout the duration of the project.

Project events – (None)

Respectfully submitted

Ernest G. Charette

WHOI LOSOS Project Schedule

