LAKE CHAMPLAIN BRIDGE RECONSTRUCTION PROJECT (PIN # 1805.81.101)
Lake Champlain Bridge Historic Preservation Monitoring Report #13 (August 2011)
Lake Champlain Bridge/Crown Point Historic Site

Historic Preservation Monitoring Reports (HPMR) will be distributed monthly and will incorporate summary information provided by archaeological monitor(s). Questions regarding the HPMR reports can be directed to: Christina B. Rieth, Historic Preservation Monitor, New York State Museum, Cultural Resource Survey Program, Albany, New York; crieth@mail.nysed.gov; 518-402-5975

**Historic Preservation Report Contents:**

I. General Summary of Historic Preservation Monitoring Activities
- overview of site visits and summary of meetings relating to the Lake Champlain Bridge/Crown Point Historic Site

II. Site Plans and Summary of Future Work
- summary of Flatiron plans/schedules for work; action items related to Crown Point Historic Site

III. Archaeological Monitoring Summary
- summary to be provided in conjunction with Aaron Gore, Archaeology Monitor

IV. Issues and Remediation related to Crown Point Historic Site

V. Issues and Recommendations
- List of concerns from all parties; Recommendations from HPM and NYSDOT CRC

VI. Contacts

VII. Photographs (if relevant to above items)

I. **GENERAL SUMMARY OF HISTORIC PRESERVATION MONITORING ACTIVITIES**

August 1-2, 2011—Archaeological survey of two small parcels slated for drainage work on the south side of the DEC Campground Road. Small areas measure approximately 60 feet in length and 50 feet wide. Testing of areas with shovel test pits reveals only small pieces of brick. No further work is recommended within the project limits.

August 11, 2011—Walkover of the Crown Point Historic Site completed by the Historic Preservation Monitor. Examination of the walls of Fort St. Frederic, the tollhouse, and Redoubt completed. No change in the structure of the fort is evident although some mortar and stones have come loose along the fort’s northern wall.

August 17, 2011-Historic Preservation Monitor talks with Jake Oronzio of Flatiron regarding construction work related to installation of sidewalks in front of Visitor center and footpath leading to Crown Point Historic Site. Flatiron will contact Historic Preservation Monitor so archaeological monitors can be on-site during work.

August 26, 2011—Historic Preservation Monitor is present for placement of Lake Champlain Bridge Arch. Floating of arch from Velez Marine in Port Henry to Crown Point along with placement and lifting of arch photo documented by Historic Preservation Monitor.

II. **SITE PLANS AND SUMMARY OF FUTURE WORK**

Work on the construction of the deck of the new bridge is continuing into late August and September. Sidewalk work in front of tollhouse and near foot bridge to Crown Point Historic Site approved and expected to be scheduled for early fall.
III. ARCHAEOLOGICAL MONITORING SUMMARY

During the first week of August, archaeologists completed excavations in advance of work for several drainage ditches within the NYS DEC Campground. Ten shovel test pits were excavated within the current project limits. Four shovel test pits were excavated in the western portion of the project area while six shovel test pits were excavated in the eastern portion of the project area. The average depth of the shovel test pits was 65 centimeters (25 inches) below the ground surface and the majority of the shovel test pits intersected the natural A- and B-horizons. The A-horizon largely consists of a grey brown silt clay loam soil that extends to a depth of 0-28 centimeters (0-21 inches) below the ground surface. Underneath was a B-horizon that was often identified as a grey yellow brown loam that extended to a depth of 75 centimeters (29 inches) below ground surface.

Nineteen artifacts were recovered from these ten shovel test pits. Two modern and 17 historic artifacts were recovered within the project limits. Included among these were 1 piece of iron/steel and 16 pieces of brick. Given the absence of any association of these artifacts with any map documented structure, no sites were identified and no further work is recommended.

IV. ISSUES AND REMEDIATION IN RELATIONSHIP TO CROWN POINT HISTORIC SITE

Issue 1. Heavy equipment impacts and road surface wear (No Change)
-Heavy impacts to the existing road surface will be caused by the current construction project.
Remediation: This issue remains unchanged and the existing roadway will be repaired and restored as needed.

Issue 2. Pedestrian Access to Crown Point Historic Site from New York State Department of Environmental Conservation Campground (No Change)
-Access to walkways between the campground and state historic site will be needed so that pedestrian traffic will not be required to walk through construction area and/or cross highway at non-walkway locations.
Remediation: Flatiron/Reale Construction has moved storage areas to roadway so that access way between walkways isn’t blocked. The walkway is currently closed due to heavy machinery and construction equipment. Walkway expected to opened.

Issue 3. Develop Notification System to inform Monitors when/where impacts to historic/cultural resources will occur. (No change)
-Monitors will need to have advanced notice of construction activities so that decisions can be made as to the extent of monitoring activities needed and number of personnel needed to carry out these activities.
Remediation: Issues related to communication and advance notification between EIC, Flatiron, Reale Construction and Monitors, have been resolved to the satisfaction of all parties.

Issue 4. Bracing of Walls of Fort St. Frederic (No change)
-As per the programmatic agreement, the contractor will be responsible for bracing two sections of wall along Fort St. Frederic to limit vibration impacts during construction.
Remediation: The Historic Preservation Monitor has been working with NYS DOT, the CPHS manager, the Saratoga Regional Office of OPRHP, and SHPO to develop a plan for the installation of the bracing. Currently, Ryan-Biggs is developing a set of drawings of the bracing for approval. To date, these drawings have not been delivered to the New York State Department of Transportation, the Historic Preservation Monitor, or the Manager of the Crown Point Historic Site.
-Flatiron determines that bracing around fort is not needed. (See January Historic Preservation Monitoring Report)

V. ISSUES AND RECOMMENDATIONS (Crown Point Historic Site and DEC Campground)

Issue 1. Vibration Impacts to Tollhouse, Fort St. Frederic, Lighthouse, Grenedier’s Redoubt, and CPHS Museum
-Each of these structures will need to be protected during construction. Extensive vibration
impacts may lead to additional cracks in structures.

Recommendation: Regular inspection of building walls by site manager, agency preservation coordinator, and historic preservation monitor to insure that new cracks don’t occur as a result of construction. Photographs of cracks will be taken as described above.
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VII. PHOTOGRAPHS OF HISTORIC PRESERVATION ACTIVITIES WITHIN THE PROJECT AREA

Photograph 1. Looking toward Lake Champlain Bridge from Fort St. Frederic.

Photograph 2. Looking along the wall of Fort St. Frederic toward construction zone.
Photograph 3. Looking across pedestrian foot path toward Crown Point Historic Site.

Photograph 4. Looking toward newly repaired sidewalk in front of tollhouse.