

## **Quarterly Report** *(All fields required)*

**Date:** December 18, 2018

**Project Title:** Barker's Island Beach Restoration Project

**Grant Recipient:** City of Superior: Parks, Recreation and Forestry

**Report Prepared by:** AMI Consulting Engineers, PA

**Time period covered for this report:** 2018 – Q4  
(year and quarter, ex: 2015-Q2)

### **Activities completed/work accomplished this quarter:**

(For example: events held, description and outcomes including number of people, attending, amount of material collected at beach cleanup, etc. Include electronic copies of any materials developed using CAC support funds (including printed brochures and event announcements), number of meetings held, number of samples collected, lab results, progress made on deliverables)

Stack Brothers continued installing the berm and boardwalk on the western side of the site. The vault toilet, underground electrical utilities, and beach sand were installed on the eastern side of the site. Erosion and sediment control BMPs were maintained and repaired as required. AMI provided daily construction oversight and management of the project.

Bi-weekly progress meetings were held with representatives from the City of Superior, Wisconsin DNR, AMI, and Stack Brothers present. Construction progress, schedule, and any issues encountered were discussed. Two change orders were approved. One to add the alternate line item "Removal and Control of Invasive Species" to the contract price. The second change order allowed for the installation of a clay berm underneath the boardwalk instead of using a granular material in certain areas to reduce erosion from the high-water levels.

### **Budget:**

Amount of the funds expended to date-- this can be approximate if an invoice is not yet available

The City of Superior Parks, Recreation and Forestry Department was invoiced by AMI for \$6,279.50 on October 29<sup>th</sup>, 2018 and \$1,815.75 on December 4<sup>th</sup>, 2018. The total invoiced to date from AMI is \$91,375.50. \$11,189.00 remains on the contract between AMI and the City of Superior to provide project management and oversight through Spring 2019.

Stack Brothers submitted two pay applications this quarter. The first pay application was approved on October 16th, 2018 for \$64,391.95. The second pay request was approved for \$152,912.00. \$443,342.22 remains on the contract between Stack Brothers and the City of Superior to complete construction through Spring 2019.

QAPP (project plan) Status: N/A during this reporting period

Local services and/or products purchased this reporting period: N/A during this reporting period.

Number of jobs created this reporting period: AMI had four employees working on the project during the reporting period (no new employment).

**Schedule:**

Construction continued through November and is on hold for the winter. Construction is expected to resume upon snow melt in the Spring and will be completed by June 27<sup>th</sup>, 2019. During the Fall 2018 season, site grading, vaulted toilet installation and boardwalk installation on the western side of the site was completed. Work to be completed in Spring 2019 includes installing vegetation and seeding, installing porous pavement parking, curbing, sidewalk, storms-sewer utilities, bollards, cordwalk, remaining boardwalk, street lights, and all signage. The contractor is responsible for a two-year warranty period for all materials (including vegetation) and workmanship against defects after completion and final acceptance

**Grant End Date:**

The restoration is anticipated to be substantially completed during the 2019 construction season. The contractor is responsible for a two-year warranty period for all materials (including vegetation) and workmanship against defects after completion and final acceptance. A ten-year monitoring and maintenance plan for the restored beach area will be developed separately after the final restoration design is complete by the University of Wisconsin, Superior. This will be contracted directly through WDNR.

**Problems / Issues:**

Note any issues or concerns for completing project on time or within budget; problems encountered; other concerns.

Abnormally high-water levels have caused significant issues with shoreline erosion, material washout, and ground stabilization during construction. Therefore, a change order was approved to use clay for the berm underneath the boardwalk to reduce material washout in certain locations.

**Activities and work goals planned for next quarter:**

Construction is expected to resume in April or May of Spring 2019. The contractor will work to finish installing the boardwalk, complete final grading, and finish with seeding and planting vegetation.