



Strand Associates, Inc.[®]
910 West Wingra Drive
Madison, WI 53715
(P) 608-251-4843
(F) 608-251-8655

October 30, 2013

Ms. Deborah Lee
Wisconsin Department of Natural Resources
Water Permit
Central Intake-WT/3
P.O. Box 7185
Madison, WI 53707-7185

Re: Pedestrian Bridge Restoration at Tenney Park, City of Madison
Chapter 30 Permit Application

Dear Deborah,

Enclosed is the Chapter 30 permit application including supporting information for the Marston Avenue and Sherman Avenue Pedestrian Bridge Restoration Work at Tenney Park in the City of Madison, Wisconsin.

Project Description

Tenney Park is a 37-acre park located in Madison adjacent to the Yahara River. Most of the park is located between Sherman Avenue and East Johnson Street, west of the Yahara River. Within the park, there is a serpentine lagoon with a central 10-acre island that is accessed via multiple bridges. Two of the bridges that access the island are the Marston Avenue pedestrian bridge and the Sherman Avenue pedestrian bridge.

The Marston Avenue pedestrian bridge, constructed in 1912, is a reinforced concrete arch bridge. The bridge spans approximately 50 feet over the lagoon and has a total length of approximately 80 feet and total width of approximately 16 feet. The bridge includes integral concrete parapets. The bridge deck cross section consists of asphalt pavement and earth fill over a concrete arch. The bridge is used for pedestrian traffic only. Anticipated restoration work includes repair of concrete surfaces of the bridge that are exposed to view above the normal high water elevation. Additionally, new asphalt pavement will be installed on the bridge and 10 feet beyond the ends of the bridge. It is likely that temporary scaffolding will need to be erected over the water and footed on the bottom of the lagoon to facilitate concrete repairs. It is not expected that any fill will be added to or removed from the lagoon.

The Sherman Avenue pedestrian bridge, constructed in 1929, is a reinforced concrete arch bridge with a rock-faced random limestone ashlar veneer. The bridge spans approximately 50 feet over the lagoon and has a total length of approximately 70 feet and total width of approximately 12.5 feet. The bridge includes integral concrete parapets that are clad with limestone veneer. The bridge deck cross section consists of asphalt pavement and earth fill over a concrete arch. The bridge is used for pedestrian traffic only. Anticipated restoration work includes concrete surface repair of the underside of the concrete arch exposed to view above the normal high water elevation. Additional restoration work will include mortar joint repair of the surfaces of the bridge that are exposed to view and new asphalt pavement on the bridge and 10 feet beyond the ends of the bridge. It is likely that temporary scaffolding will need to

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be erected over the water and footed on the bottom of the lagoon to facilitate concrete and mortar joint repairs. It is not expected that any fill will be added to or removed from the lagoon.

It is expected the total land disturbance will be less than one acre for the restoration work of both bridges; therefore, we assume that a Notice of Intent for stormwater permit coverage will not be needed for the project. Erosion from construction activities is planned to be contained via the use of temporary silt fence. It is anticipated the contractor will be required to dewater into an appropriate sedimentation basin during all dewatering activities, if dewatering is necessary.

In summary, based on our interpretation of applicable Wisconsin Department of Natural Resources (WDNR) Chapter 30 regulations, the following proposed construction activities will require coverage under an individual Chapter 30 permit:

1. Marston Avenue pedestrian bridge: Restoration of an existing concrete arch bridge with 50-foot clear span, 80-foot overall length, and 16-foot overall width.
2. Sherman Avenue pedestrian bridge: Restoration of an existing stone-clad concrete arch bridge with 50-foot clear span, 70-foot overall length, and 12.5-foot overall width.

In support of each of these permit applications, we have included the following documents:

1. Completed Form 3500-53, Water Resources Application for Project Permits.
2. Project location map.
3. Proposed project construction drawings.
4. Photos of the existing project area.
5. Check for \$1,206 to WDNR to cover individual permit fee.

Please contact us if you have any questions or require additional information.

Sincerely,

STRAND ASSOCIATES, INC.®

Keith R. Behrend, P.E.

c/enc.: Thomas J. Maglio, City of Madison