

Iowa Department of Natural Resources  
Natural Resource Commission

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ITEM

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DECISION

TOPIC

Lake Darling State Park - Consultant Contract Amendment for the redesign of the Dam and Spillways

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The Natural Resource Commission's approval is requested for the additional scope of work and design fees that have been negotiated for professional services for the Lake Darling State Park Dam and Spillway project.

French-Reneker-Associates, Inc. entered into a contract to execute the preliminary investigation, design and engineering of the Lake Darling dam and spillway in February of 2007. Several factors contributed to the need to amend the original contract. One factor was the Department decision to raise the normal pool elevation of the lake by two feet, which will have significant water quality benefits. This decision caused the original design to be expanded. Additionally, geotechnical exploration that occurred during the preliminary investigation discovered unanticipated fractured bedrock under the existing spillway. This discovery caused a need to shift the centerline of the dam away from the undesirable soils. The original scope of work did not include the relocation of the dam. The more complex design requires additional engineering and specialized geotechnical inspection during construction.

The original contracted amount is \$122,198 and Commission approved the negotiation of a contract with Reneker-Associates, Inc. with a not-to-exceed amount of \$130,000 on December 14, 2006. The Department amended the contract on July 25, 2008. This amendment authorized additional geotechnical exploration and increased the contract amount by \$19,600. Since, this amendment was less than \$25,000 approval by the NRC was not requested.

Staff recommends approving a second contract amendment. The firm has proposed a fee for services at their scheduled billable rates of \$13,140, which includes \$10,000 for construction administration and \$3,140 for additional design. The construction administration is required due to the complexity of the project. Because the sum of both amendments is greater than \$25,000, Commission approval is required. Funding will be provided by the Lake Restoration Fund (Capital Link #98).

Don Labate, Bureau Chief  
Engineering Services Bureau  
May 14, 2009