

**IOWA DEPARTMENT OF NATURAL RESOURCES  
NATURAL RESOURCE COMMISSION**

**Business Meeting Date:** Thursday, December 12, 2013

**Meeting Location:** Wallace Building-4<sup>th</sup> Floor, 502 E 9<sup>th</sup> Street, Des Moines, IA 50319

**BUSINESS MEETING AGENDA**

Meeting convenes at 9:30am

Public Participation begins at approximately 10:00a

Lunchtime Presentation: Water Trails Development

1.	Approval of Agenda Consent Agenda ( <i>*within agenda indicates proposed consent agenda item</i> ) *4 Contract Amendment-6 with Texas Veterinary Medical Diagnostic Laboratory *5 Contract Amendment-1 with Iowa State University *7.1 Public Land Management Project - Chapter 18 lease, Woodbury County, L.G. Everist, Inc.	Decision	Commission
2.	Approve Minutes of 11/14/13 NRC Public Meeting	Decision	Commission
3.	Director's Remarks	Information	Director
*4.	Contract Amendment-6 with Texas Veterinary Medical Diagnostic Laboratory	Decision	Dale Garner
*5.	Contract Amendment-1 with Iowa State University	Decision	Travis Baker
6.	Public Land Acquisition Projects		
6.1	Turtle Bend Wildlife Management Area, Louisa County, Marshall	Decision	Travis Baker
6.2	Barkley State Forest, Boone County, INHF	Decision	Travis Baker
6.3	Patterson Creek, Allamakee County, Howe	Decision	Travis Baker
6.4	Patterson Creek, Allamakee County, Howe	Decision	Travis Baker
7.	Public Land Management Project		
*7.1	Chapter 18 lease, Woodbury County, L.G. Everist, Inc.	Decision	Travis Baker
7.2	Management Agreement with City of Storm Lake	Decision	Travis Baker
8.	Construction – Hawkeye Water Quality and Wetland Project (Phase II)	Decision	Todd Bishop
9.	Construction - Runnells Wetland Project (Red Rock Reservoir)	Decision	Todd Bishop
10.	Construction – Rathbun Fish Hatchery Site Preparation and Erection of a Clear Span Building	Decision	Alan Johnson
11.	Construction – MiniWakan Entrance Roadway	Decision	Angela Corio
12.	Construction – Pleasant Creek State Recreation Area Entrance Portal Construction	Decision	Angela Corio
13.	Memorandums of Understanding with Department of Administrative Services for Construction Management	Decision	Chuck Corell
14.	Donations	Decision	Chuck Corell
15.	Division Administrator Comments	Information	Chuck Corell

For details on the NRC meeting schedule, visit:

<http://www.iowadnr.gov/InsideDNR/BoardsCommissions/NaturalResourceCommission.aspx>

Comments during the public participation period regarding proposed rules or notices of intended action are not included in the official comments for that rule package unless they are submitted as required in the Notice of Intended Action.

16.	<p>General Discussion</p> <ul style="list-style-type: none"> <li>• NRC Annual Report</li> <li>• Joint NRC/EPC Meeting on 01/22/14</li> </ul>
	<p>Upcoming NRC Meeting Dates:</p> <ul style="list-style-type: none"> <li>• 01/22/14 – Capitol Legislative Dining Room, 8:30a-10a (Legislative Open House)</li> <li>•       – Henry Wallace State Office Building, Des Moines, 12pm (Informational Meeting)</li> <li>• 01/23/14 – Henry Wallace State Office Building, Des Moines, 8:30am (Business Meeting)</li> <li>• 02/13/14 – Henry Wallace State Office Building, Des Moines, 9:30am (Business Meeting)</li> <li>• 03/14/14 – Henry Wallace State Office Building, Des Moines, 9:30am (Business Meeting)</li> </ul>

For details on the NRC meeting schedule, visit:  
<http://www.iowadnr.gov/InsideDNR/BoardsCommissions/NaturalResourceCommission.aspx>

**Iowa Department of Natural Resources  
Natural Resource Commission**

**\*#4** (*\*indicates proposed consent item*)

**Decision Item**

**Contract Amendment-6 with Texas Veterinary Medical Diagnostic Laboratory**

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Commission approval is requested for a service contract amendment with Texas Veterinary Medical Diagnostic Laboratory of College Station, Texas.

**Amendment-6 Terms:**

**Amendment Amount:** \$110,250

**Amendment Dates:** 01/01/2014-12/31/2014

**Funding Source(s):** Fish and Wildlife Trust Fund

**Amendment Purpose:** To provide the same Chronic Wasting Disease (CWD) testing services as last year for one year. The DNR may submit up to 4,900 samples for testing. The Texas Veterinary Medical Laboratory has tested over 13,000 samples over the past 3 years at lower cost than any other certified lab was willing to accept. The results have allowed the DNR to continue the surveillance work needed for CWD.

**Original Contract Purpose:** As a USDA Contract Chronic Wasting Disease (CWD) certified lab, Contractor shall test tissue samples (retropharyngeal lymph nodes or obex) from white-tailed deer collected for CWD surveillance. DNR may submit up to 4,900 samples for testing. The DNR will ship the samples to Contractor. Each sample jar will be uniquely identified on the outside and placed in flats of 25 jars. DNR will also provide a Microsoft Excel spreadsheet with all of the sample ID numbers and the date and county where the samples were collected. Contractor shall provide the results of each tissue sample electronically to the DNR's Wildlife Bureau Chief in a Microsoft Excel spreadsheet. The spreadsheet will list the ID of the sample, the type tissue sampled and the result of the test. Testing wild deer for Chronic Wasting Disease (CWD) is a critical part of the Iowa Department of Natural Resources surveillance and response plan.

**Original Selection Process:** In 2010, the DNR published a Request for Proposal (RFP) and reviewed bids for services requested. Texas Veterinary Medical Diagnostic Laboratory was awarded the bid due to their ability to meet the testing and surveillance requirements as well as being cost effective.

**Contract History:**

**Original Contract Terms:** Amount \$72,000; Timeframe: 3/2011-12/2011; Purpose: 2011 surveillance

**Amendment-1 Terms:** Amount \$8,697; Timeframe: 3/2011-12/2011; Purpose: increase up to 200 samples

**Amendment-2 Terms:** Amount \$83,250; Timeframe: 1/2012-12/2012; Purpose: extend contract for 1 year

**Amendment-3 Terms:** Amount \$7,400; Timeframe: 3/2012; Purpose: increase up to 400 samples

**Amendment-4 Terms:** Amount \$18,500; Timeframe: 8/2012; Purpose: increase up to 1,000 samples

**Amendment-5 Terms:** Amount \$110,250; Timeframe: 1/2013-12/2013; Purpose: 2013 surveillance

Dr. Dale Garner, Wildlife Bureau  
Conservation and Recreation Division  
December 12, 2013

**Iowa Department of Natural Resources  
Natural Resource Commission**

\*#5

**Decision Item**

**Contract Amendment-1 with Iowa State University**

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Commission approval is requested for a service contract amendment-1 with Iowa State University.

**Amendment-1 Terms:**

**Amendment Amount:** \$22,680

**Amendment Dates:** January 15, 2014 to September 1, 2016.

**Funding Source(s):** Federal Section 6 Endangered Species

**Amendment Purpose:** Increase the number of sites sampled from 10 to 26 to more accurately assess the range-wide genetic diversity, population structure, and historical connections between populations of the Iowa Pleistocene Snail, a federal and state endangered species.

**Original Contract Purpose:** Document the genetic diversity, population structure, extent of gene flow, and historical connections between populations of the snail. The information will be used to identify unique or genetically distinct populations and establish conservation priorities. It will also be used to determine the feasibility of reestablishing colonies on cold air slopes that are protected and provide suitable habitat.

**Original Selection Process Summary:** Intergovernmental contracting with Iowa State University is authorized under 11 IAC 106.4.

**Contract History:**

**Original Contract Terms:** Timeframe: 09/30/12-09/15/15, Amount \$22,954.50

**Amendment-1 Terms:** Timeframe: 01/15/14 – 09/01/16, Amount \$22,680.00

Travis Baker, Land & Waters Bureau Chief  
Conservation and Recreation Division  
December 12, 2013

**Iowa Department of Natural Resources  
Natural Resource Commission**

#6

**Decision Item**

**Public Land Acquisition Projects**

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**1. Turtle Bend Wildlife Management Area, Louisa County, Marshall**

The Natural Resource Commission is requested to approve the acquisition of a tract of land located a mile and a half east of Wapello in Louisa County, Iowa.

**Seller:** Larry and Sandra Kay Marshall

**Acreage:** 8.13-acre tract

**DNR Purchase Price:** \$4,100

**Property Description:** The property contains 4.1 acres encumbered by an EWP (Emergency Wetland Protection) easement, and 4.03 acres of road right-of-way (County Road X99 & 114th Avenue). The cover type is mostly timber. Ornate box turtles have been documented on adjacent tracts of land.

**Purpose:** The Department will manage the land in compliance with the EWP easement specifications as part of the larger wetland complex.

**DNR Property Manager:** Wildlife Bureau

**Funding Source(s):** Wildlife Habitat Stamp

**Incidental Costs:** The tract will remain on the property tax rolls. Incidental closing costs will be the responsibility of the Department.

**2. Barkley State Forest, Boone County, INHF**

The Natural Resource Commission's approval is requested to purchase a tract of land located in Boone County adjacent east of Barkley State Forest.

**Seller:** INHF

**Acreage:** 120-acre tract

**DNR Purchase Price:** \$270,000

**Appraised Value:** \$360,000

**Appraised By:** Brian Linnemeyer, Licensed Appraiser of Indianola, Iowa

**Property Description:** This irregular-shaped property is located seven (7) miles northwest of Boone in northwestern Boone County. An aesthetic stream runs from east to west through the central region of the property and empties into the Des Moines River located about 3/4 mile south of the west property line. Access is provided from the southeast by a dead-end county, gravel road (Mission Lane) along with an access agreement extending west upon a hard-surfaced lane. The steep, heavily forested tract is part of a former church camp. The former camp building improvements include an office, main lodge, restrooms, and garage. These improvements reflect substantial deferred maintenance and contribute no value as part of the appraised price. The buildings are under evaluation for their purpose and usefulness.

**Purpose:** This aesthetic tract will provide for wildlife habitat, forest management, improved water quality, and enhance public recreation to this area. In addition, this acquisition will now allow for improved public access to Barkley State Forest.

**DNR Property Manager:** Forestry Bureau

**Funding Source(s):** REAP Private/Public Grant

**Incidental Costs:** The property will remain on the property tax rolls. No survey or fencing costs is anticipated. Incidental closing costs will be the responsibility of the Department.

### **3. Patterson Creek, Allamakee County, Howe**

The Natural Resource Commission's approval is requested to purchase a permanent easement for angler access on a segment of trout stream on Patterson Creek located in northwestern Allamakee County.

**Seller:** Jason Howe

**Acreage:** 10.6-acre tract

**DNR Purchase Price:** \$26,500

**Property Description:** This primarily grassland region of the stream bank is located 13 miles northwest of Waukon. The stream segment consists of 10.3 acres, along with a 50 ft. wide access easement extending from Patterson Creek Drive (county road) to the stream. Patterson Creek at this location contains a population of wild brown trout, and is stocked by the Department with catchable rainbow trout managed as put-and-take. The DNR has made habitat improvements to this section of stream in the past, and will continue with additional improvements.

**Purpose:** In addition to public fishing, the easement allows DNR to stock and sample fish, install fish habitat, and conduct water quality/stream bank improvements. The total easement area is 150 foot wide by 2,990 foot in length (75 foot on each side of the centerline of Patterson Creek).

**DNR Property Manager:** Fisheries Bureau

**Funding Source(s):** Fish & Wildlife Trust Fund

**Incidental Costs:** No survey or fencing costs are anticipated. Incidental closing costs will be the responsibility of the Department.

### **4. Patterson Creek, Allamakee County, Howe**

The Natural Resource Commission's approval is requested to purchase a permanent easement for angler access on a segment of trout stream on Patterson Creek located in northwestern Allamakee County.

**Seller:** Elizabeth Howe Revocable Trust & Jason Howe

**Acreage:** 14.8-acre tract

**DNR Purchase Price:** \$37,000

**Property Description:** This grassland and forested region of the stream bank is located 12 miles northwest of Waukon. The stream segment consists of 14 acres, along with two, 50 ft. wide access easements extending from Patterson Creek Drive (county road) to the stream. Patterson Creek, at this location, contains a population of wild brown trout and is stocked by the Department with catchable rainbow trout managed as put-and-take. The DNR has made habitat improvements to this section of stream in the past, and will continue with additional improvements.

**Purpose:** In addition to public fishing, the easement allows DNR to stock and sample fish, install fish habitat, and conduct water quality/stream bank improvements. The total easement area is 150 foot wide by 4,065 foot in length (75 foot on each side of the centerline of Patterson Creek).

**DNR Property Manager:** Fisheries Bureau

**Funding Source(s):** Fish & Wildlife Trust Fund

**Incidental Costs:** No survey or fencing costs are anticipated. Incidental closing costs will be the responsibility of the Department.

Travis Baker, Land & Waters Bureau Chief  
Conservation and Recreation Division  
December 12, 2013

**Iowa Department of Natural Resources  
Natural Resource Commission**

#7 (\*indicates proposed consent item)

**Decision Items**

**Public Land Management Projects**

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**\*1. Chapter 18 lease, Woodbury County, L.G. Everist, Inc.**

The Natural Resource Commission is requested to approve a Chapter 18 lease renewal with L.G. Everist, Inc.

**Location:** The lease covers an area less than 500 square feet located 1.5 miles south of the 1-29 bridge at Missouri River mile 727.3 in Woodbury County.

**Site Purpose:** The site contains four timber dolphin pilings and a conveyor for the purpose of unloading and loading construction aggregates.

**Lease History:** The location has been under lease since 1993.

**Lease Fee and Term:** The annual fee is \$300.00 with a condition that the fee may be adjusted to comply with adopted administrative rule changes that affect lease fees. The term of the lease will be five years.

**2. Management Agreement – Storm Lake Marina – City of Storm Lake**

The Natural Resource Commission is requested to approve the management agreement with City of Storm Lake for Storm Lake Marina.

**Location:** Storm Lake Marina in the City of Storm Lake, Iowa

**Site Purpose:** This area provides marina operations on Storm Lake. The site contains the marina concession building and shoreline, courtesy docks in front of the marina concession building, large parking lot, land surrounding the large parking lot, two marina entrance roads, gas service dock, gas storage tank and pumps, boat ramps, two fishing piers, an 80-slip docking system and personal watercraft (PWC) docking system, including the bed of Storm Lake under these facilities, the roadway and parking alongside the docking system, the turnaround located close to the fisheries building, and a 20-foot strip of land on the eastern edge of the road leading from the turnaround to the end of the east marina entrance for the purpose of operating a marina.

With the conclusion of the current marina concession contract, the Department has been evaluating the value and use of the facility. In review, as a non-profit governmental agency, the City of Storm Lake has the resources and shared goal of attracting more visitors to Storm Lake. The management agreement is modeled after the agreements we have with county conservation boards to manage small isolated state parks.

**Management History:** The Department had been managing the marina through a contract with a concessionaire since 2008. That contract ends 12/31/13.

**Management Agreement Term:** This Agreement authorizes the City of Storm Lake to manage the Storm Lake Marina through 2038.

Travis Baker, Land & Waters Bureau Chief  
Conservation and Recreation Division  
December 12, 2013

**Iowa Department of Natural Resources  
Natural Resource Commission**

#8

**Decision Item**

**Construction – Hawkeye WMA Water Quality and Wetland Project (Phase II)**

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The Department requests Commission approval of the following construction project:

**Project Summary:** Phase II will complete the construction of the 9,400 foot impoundment berm that was initiated in Phase I which started in the spring of 2013. Phase 1, approved by the NRC on 01/16/13, included excavation, dike construction, compaction, seeding, and mulching on the west end of the project site (Hawkeye WMA – Knapp Creek). The intent of the project is to create a 238 acre impoundment that will contribute to improved water quality, increase aquatic plant and animal diversity, and allow for increased recreational opportunities for birders and waterfowl hunters.

The 13,500-acre Hawkeye WMA is the upper half of Coralville Reservoir and lies between the two major cities of Cedar Rapids and Iowa City. The area receives high public use especially from waterfowl hunters. The area is also a major birding area hosting a large variety of shorebirds and other migrants. Hawkeye WMA has been the host site to the Pelican Festival the last two years.

The primary purpose of the DNR's lease from the Corps of Engineers is to manage Hawkeye for waterfowl habitat. As a flood pool reservoir, managing aquatic vegetation for waterfowl is challenging. This sub-impoundment was designed to allow better conditions to develop good, aquatic vegetation with appropriate water levels for migrating waterfowl. With water control inlets and outlets, water levels can be managed to create optimal conditions for fall migration and waterfowl hunters. The first three large sub-impoundments were developed in the early 1980s. Others were planned but funding was not available until after 2001. Two sub-impoundments were proposed to the west of Plum Creek Marsh in 2002. Archaeology surveys negated one of these. The remaining one, Knapp Creek went forward in 2006. Flooding of 2008, 2009 and 2010 and subsequent wet conditions caused delays; although some work had already been completed before the 2008 flood. The project was redesigned to accommodate the necessary changes and new conditions. Phase II will complete the remaining work.

**Construction Needed:** Approximately 39,126 cubic yards will be placed for berm construction with 8:1 sideslopes. A concrete and sheet pile water control structure will be installed to allow water level fluctuation as proposed in the water level management plan for this site, and a 400 foot concrete and rip-rap spillway will be constructed in the dike system to allow for rapid inflows and outflows in flood events. This will allow for rapid equalization of water pressure on both sides of the berm which will prevent blow-outs.

**Green Features:** Upon completion of both phases of this project, a wetland will be completed, in turn enhancing wildlife and waterfowl for years to come. The sub-impoundment was designed to be filled and drawn down without pumping. Water will be diverted from Knapp Creek on the northwest side. Water will gravity flow into the marsh and it will be released at the east outlet when draw downs occur. Project will improve water quality, increase aquatic plant and animal diversity of the Hawkeye WMA.

**Engineering Project #:** 12-06-52-07  
**Project County:** Johnson  
**DNR Project Manager:** Butch Doorenbos, PE; Engineering Bureau

**Designer:** McClure Engineering Company  
**DNR Inspector:** Bruce Flippin, PE; Engineering Bureau  
**Operating Bureau:** Wildlife  
**Funding Source:** Federal-Other 100% (Corps of Engineers lease funds)  
**Engineering Cost Estimate:** \$574,937.00  
**Plans Issue Date:** 10/29/13  
**Bid Letting Date:** 11/21/13

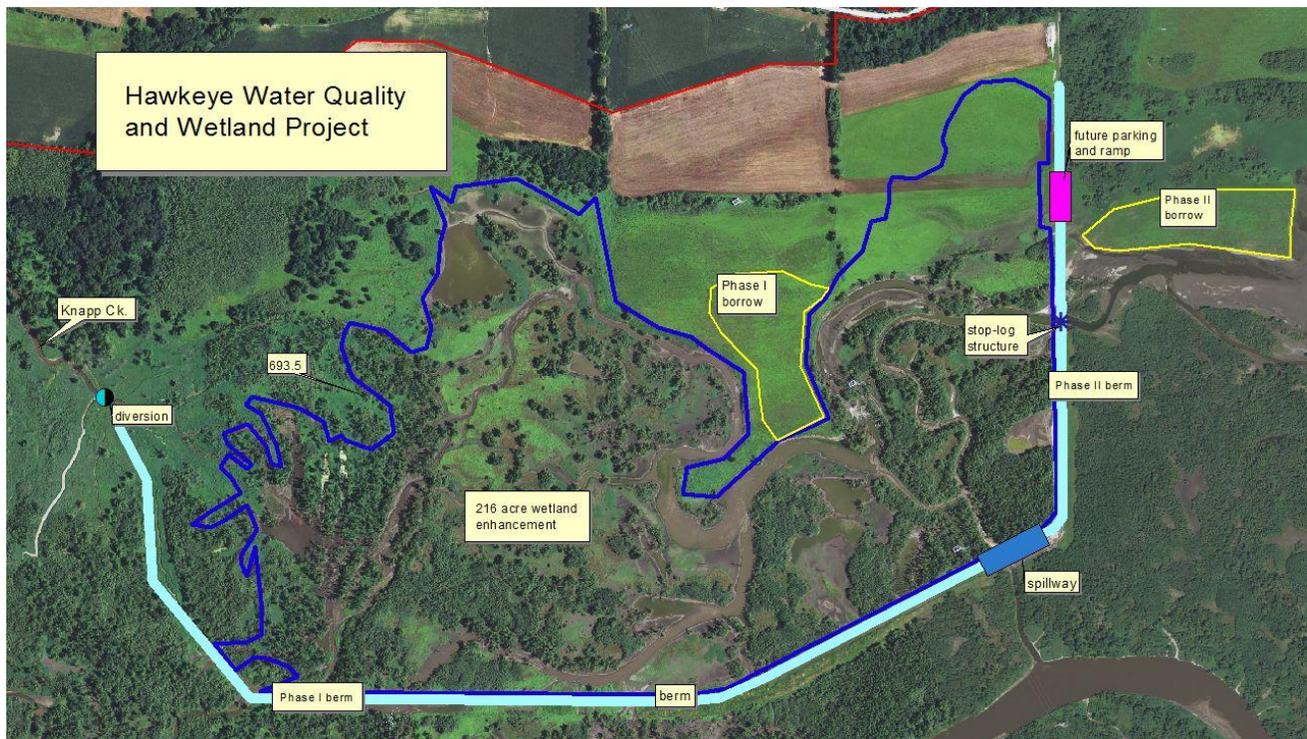
**Plan Holders:** 19  
**Number of Bids Received:** 8

**Bidders**

Cole Construction Company Inc	Keosauqua, IA	\$559,831.95
DeLong Construction Inc	Washington, IA	\$595,234.60
Ricklefs Excavating Ltd	Anamosa, IA	\$608,166.60
Connolly Construction Inc	Peosta, IA	\$634,161.80
Taylor Construction Inc	New Vienna, IA	\$637,756.00
Smith Seeding Inc	Eldridge, IA	\$639,217.58
Miller Trucking & Excav	Silvis, IL	\$727,091.00
Peterson Contractors Inc (PCI-Reinbeck)	Reinbeck, IA	\$907,514.00

**Upon Engineering's review of bids, IDNR recommends awarding the bid to Cole Construction Company, Inc.**

Todd Bishop, Executive Officer, Wildlife Bureau  
 Conservation and Recreation Division  
 December 12, 2013



**Iowa Department of Natural Resources  
Natural Resource Commission**

#9

**Decision Item**

**Construction – Red Rock WMA Water Quality and Wetland Project (Red Rock Reservoir)**

The Department requests Commission approval of the following construction project:

**Project Summary:** The intent of the project is to create a 440 acre impoundment that will contribute to improved water quality, increase aquatic plant and animal diversity, and allow for increased recreational opportunities for birders and waterfowl hunters. The site is located on U.S. Army Corps of Engineer lands immediately south of Runnells and immediately west of Highway 316 in extreme southeastern Polk County. The Iowa Department of Natural Resources manages the site which is within the Red Rock Reservoir flood pool and part of the Red Rock Wildlife Management Area. This project will impound water diverted from Mud Creek below its approximate 25,000 acre watershed.

The primary purpose of the DNR's lease from the Corps of Engineers is to manage Red Rock for waterfowl habitat. As a flood pool reservoir, managing aquatic vegetation for waterfowl is challenging. This impoundment was designed to allow better conditions to develop good, aquatic vegetation with appropriate water levels for migrating waterfowl. With water control inlets and outlets, water levels can be managed to create optimal conditions for fall migration and waterfowl hunters.

This project was first designed in 2006 with construction scheduled for 2007. The contractor was unable to initiate dirt work due to continuous annual flooding of the area so the Department and contractor agreed to cancel the contract. In 2012-2013, DNR staff reviewed the plans and project for completion and deemed its viability to initiate construction efforts again. The DNR has a partnership agreement with Ducks Unlimited (DU) and collaborated with their specialized staff in hydrological modeling to redesign parts of the project. DU completed the redesign this year. They will also be assisting with on-site staking and construction supervision.

**Construction Needed:** At the inlet to the impoundment a diversion structure will be incorporated into Mud Creek. The project utilizes old berms that have been in place for many years and which run parallel to Mud Creek. These berms will be repaired and 3 spillways will be incorporated into this berm system to help equalize water pressure on the dike during flood events. Another berm will be constructed at the outflow end of the impoundment to help hold the diverted waters. A water control structure and emergency spillway are incorporated in this berm. The concrete and sheetpile structure will allow for water level management as detailed in the wetland management plan for this site. At the inlet to the impoundment a diversion structure will be incorporated into Mud Creek. Development of diversion and drawdown channels will complete the project. Quantities include excavation of 25,000 cubic yards for channels and spillways, placement of 11,000 cubic yards for the outflow embankment, and 4,140 square feet of sheetpile, a diversion structure, and a water control structure.

**Green Features:** Upon completion of this project, a diverse wetland will be completed, in turn enhancing wildlife and waterfowl for years to come. The impoundment was designed to be filled and drawn down without pumping. Water will be diverted from Mud Creek on the northwest side. Water will gravity flow into the marsh and it will be released at the south outlet when draw downs occur. Run-off from a 25,000 acre watershed will be filtered through this wetland, improving water quality downstream.

**Engineering Project #:** 13-05-77-07  
**Project County:** Polk

**DNR Project Manager:** Butch Doorenbos, PE; Engineering Bureau  
**Designer:** Ducks Unlimited  
**DNR Inspector:** Jason Kruse, PE; Engineering Bureau

**Operating Bureau:** Wildlife  
**Funding Source:** 29% NAWCA, 71% Federal –Other (Corps of Engineers lease funds)  
**Engineering Cost Estimate:** \$752,213.00  
**Plans Issue Date:** 10/07/13  
**Bid Letting Date:** 11/21/13

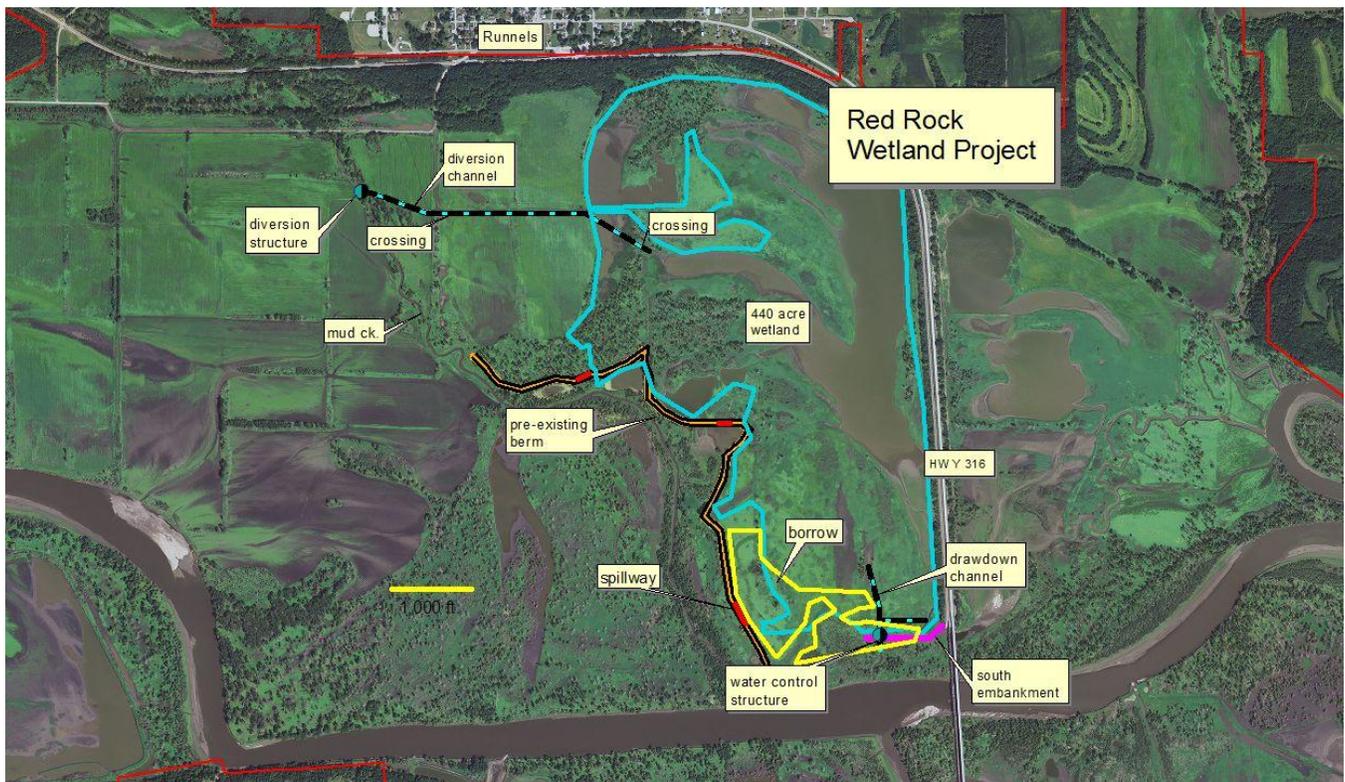
**Plan Holders:** 15  
**Number of Bids Received:** 2

**Bidders**

Jensen Construction Co	Des Moines, IA	\$718,918.75
S M Hentges & Sons Inc	Jordan, MN	\$836,554.00

**Upon Engineering’s review of bids, IDNR recommends awarding the bid to Jensen Construction Co.**

Todd Bishop, Executive Officer, Wildlife Bureau  
Conservation and Recreation Division  
December 12, 2013



**Iowa Department of Natural Resources  
Natural Resource Commission**

**#10**

**Decision Item**

**Construction – Rathbun Fish Hatchery Site Preparation and Erection of Clear Span Building**

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The Department requests Commission approval of the following construction project:

**Project Summary:** Site preparation and erection of a Clear Span building at Rathbun Fish Research is the first phase for developing a facility dependant on culturing fish using a water recirculation system. The Freshwater Institute has proven that aquaculture recirculation technology is an effective means to produce farm raised species and that technology has been transferred to some sport fish species. The DNR Fisheries Bureau wants to extend this technology to culturing walleye from the egg stage to a 10” stocking size. A water recirculation system uses a fraction of the water compared to a conventional single-pass system like that currently used at Rathbun. The system is comprised of several components that remove metabolic waste, oxygenate, and disinfect the water before it is returned to the fish tank. Advantages of this type of system are the prevention of the introduction of aquatic invasive species, minimization of disease outbreaks and associated mortality, and the ability to culture fish at higher densities. The water source to feed the system will come from Rathbun Rural Water Association.

The expected completion date for site preparation and building erection is April 30, 2014, with remaining components designed, installed, and functional by June 30, 2014. Rathbun Fish Research staff will work with the Freshwater Institute to design the specialized water recirculation aquaculture system negating the need to hire an outside consultant. Remaining phases following clear span building erection include the purchase and installation of electrical needs, reinforced fiberglass components (culture tanks and biofilter), pumps, and other water processing equipment. The system components will be installed and plumbed by Rathbun Fish Research staff.

Fish culture using recirculation systems is proven technology and Fisheries Bureau staff believes this technology is the future in culturing fish to establish and maintain sport fishing opportunities. The expectation of what is learned from this system will be implemented in new fish hatcheries and existing hatchery retrofits.

**Construction Needed:** The scope of this contract includes site grading, preparing a gravel base; pouring concrete; connecting fresh and waste water utilities to the new structure; and erecting a 35’ x 60’ Clear Span freestanding building. Clear Span is an architectural term to describe the distance between the two inside surfaces of the span supports (i.e. the distance that is unsupported). A clear span design is one that does not have supporting pillars such as those found in typical buildings. This building design offers the most usable space and provides maximum floor space for the changing needs of aquaculture research. The building specified for this project is constructed of fabric and steel frame. The snow and wind bearing capacities are 30 lbs/ft<sup>2</sup> and 90 lbs/ft<sup>2</sup>, respectively.

**Green Features:** A water recirculation system reconditions about 95% of the water, which will reduce the daily addition of fresh water from an estimated 504,000 gallons of water per day into one tank to approximately 1,000 gallons per day. In addition, the steel building frame is recyclable upon the end of the building’s useful life.

**Engineering Project #:** 14-05-04-04

**Project County:** Appanoose

**DNR Project Manager:** Jason Kruse, PE; Engineering Bureau

**Designer:** Jason Kruse, PE; Engineering Bureau

**DNR Inspector:** Jason Kruse, PE; Engineering Bureau

**Operating Bureau:** Fisheries

**Funding Source:** 100% Trust Fund

**Engineering Cost Estimate:** \$102,000

**Plans Issue Date:** 10/30/13

**Bid Letting Date:** 11/21/13

**Plan Holders:** 5

**Number of Bids Received: 3**

**Bidders**

C L Carroll Company Inc  
Edge Commercial  
TK Concrete Inc

Des Moines, IA	\$107,877.00
Grimes, IA	\$141,200.00
Pella, IA	\$175,356.00

**Upon Engineering's review of bids, IDNR recommends awarding the bid to CL Carroll Company, Inc.**

Alan Johnson, Biologist, Fisheries Bureau  
Conservation and Recreation Division  
December 12, 2013



Example of Clear Span Building



**Iowa Department of Natural Resources  
Natural Resource Commission**

#11

**Decision Item**

**Construction – MiniWakan Entrance Roadway**

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The Department requests Commission approval of the following construction project:

**Project Summary:** MiniWakan is a 20-acre area in Dickinson County on the north end of Spirit Lake that opened to the public in 1934. A very popular boat ramp is located there as well as a CCC lodge which was restored and reopened to the public last year. The existing asphalt road is badly deteriorated and is in need of replacement.

**Construction Needed:** Replace the existing entrance roadway, lodge cul-de-sac drop off, and small boat ramp gravel parking area with new portland cement concrete paving. This project consists of constructing ¼ mile of 20-foot wide portland cement concrete roadway with granular sub-base along with the paving of the adjacent parking areas and an accessible sidewalk that links the parking lot to the lodge. This will require demolition, clearing, grading, culvert pipes, seeding/fertilizing/mulching disturbed areas, and paving.

**Green Features:** Minimization of disturbed areas is paramount due to archaeological sensitivity, erosion control measures will be utilized, and the use of portland cement concrete will minimize the heat island effect of the pavement.

**Engineering Project #:** 12-01-30-15

**Project County:** Dickinson

**DNR Project Manager:** Brett Johnson, PE; Engineering Bureau

**Designer:** Brett Johnson, PE; Engineering Bureau

**DNR Inspector:** Jeff Felts, PE; Engineering Bureau

**Operating Bureau:** Parks

**Funding Source:** 90% P&I, 10% MFT

**Engineering Cost Estimate:** \$281,439.00

**Plans Issue Date:** 10/30/2013

**Bid Letting Date:** 11/21/2013

**Plan Holders:** 12

**Number of Bids Received:** 7

**Bidders**

Beck Excavating Inc.	Spirit Lake, IA	\$179,387.25
Diamond Concrete & Construction Inc	Spirit Lake, IA	\$183,785.87
Christensen Construction & Design Company	Estherville, IA	\$194,253.68
T R Harris Construction	Homer, NE	\$195,952.00
Cedar Valley Corp	Waterloo, IA	\$209,272.62

Tug Helmers Construction  
Allied Manatts Group LLC

Estherville, IA  
Charles City, IA

\$221,618.15  
\$228,097.85

Upon Engineering's review of bids, IDNR recommends awarding the bid to Beck Excavating, Inc.

Angela Corio, State Park Planner  
Conservation and Recreation Division  
December 12, 2013

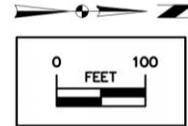


Figure 1 – Aerial view of project

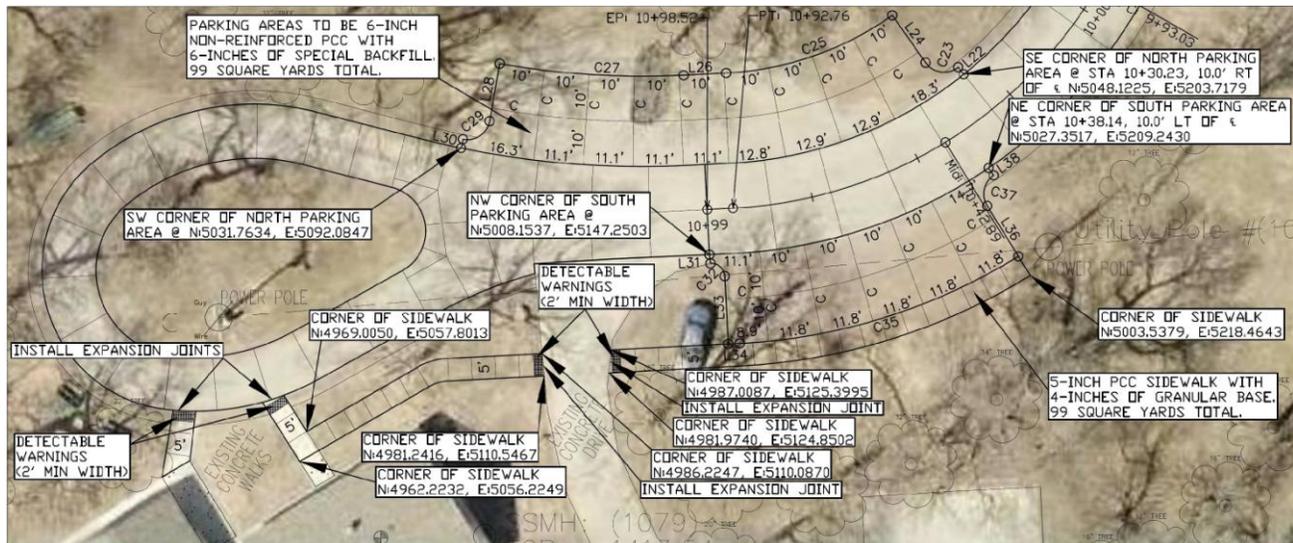


Figure 2 - Aerial view of parking areas and ADA walkway

**Iowa Department of Natural Resources  
Natural Resource Commission**

#12

**Decision Item**

**Construction – Pleasant Creek Recreation Area – Entrance Portal Construction**

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The Department requests Commission approval of the following construction project:

**Project Summary:** Pleasant Creek is a 1,927-acre area in Linn County which opened to the public in 1973. The existing entrance sign is a typical wood state park entrance sign which is diminutive in scale compared to traditional CCC entrance features and the current prescribed Design Guide entrance portal.

**Construction Needed:** Pleasant Creek State Park will be receiving an Iowa Department of Natural Resources Design Guide entrance portal. It will have real stone bricking, steel bracketing and Glulam timber supports as well as limestone capstones. Glulam or glued laminated timber is a type of structural timber product comprising a number of layers of dimensioned timber bonded together with durable, moisture-resistant structural adhesives. By laminating a number of smaller pieces of timber, a single large, strong, structural member is manufactured from smaller pieces. These structural members are used as vertical columns or horizontal beams, as well as curved, arched shapes. Construction includes site grading, excavating, foundation pouring, masonry

**Green Features:** A Glulam beam requires less frequent replacement since it has a longer life than a typical timber beam. The beam has the dimensions of 12-in x6.75-in x 19.5-ft; a sizable tree would have to be harvested to replace a non-Glulam beam.

**Engineering Project #:** 14-06-57-01

**Project County:** Linn

**DNR Project Manager:** Ryan Richey; Engineering Bureau

**Designer:** Ryan Richey; Engineering Bureau

**DNR Inspector:** Bruce Flippin, PE; Engineering Bureau

**Operating Bureau:** Parks

**Funding Source:** Infrastructure 2014

**Engineering Cost Estimate:** \$75,000.00

**Plans Issue Date:** 10/30/13

**Bid Letting Date:** 11/21/13

**Plan Holders:** 12

**Number of Bids Received:** 5

**Bidders**

Ricklefs Excavating Ltd	Anamosa, IA	\$55,896.00
Tricon General Construction	Cedar Rapids, IA	\$64,600.00
Triple B Construction	Wilton, IA	\$86,200.00
Ecinc	Nichols, IA	\$103,547.00
Taylor Construction Inc	New Vienna, IA	\$111,480.00

Upon Engineering's review of bids, IDNR recommends awarding the bid to Ricklefs Excavating, Ltd.

Angela Corio, State Park Planner  
Conservation and Recreation Division  
December 12, 2013

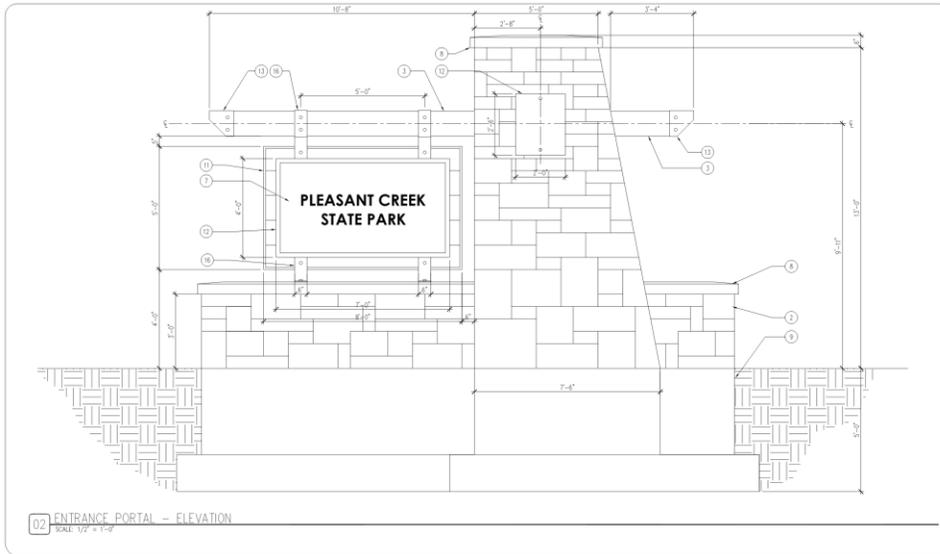


Figure 1 – Front view of entrance portal



Figure 2 – Picture showing typical Glulam beams

Iowa State Parks Design Guide  
long-term vision for state park architecture



Pleasant Creek currently has an entrance sign similar to this



**Iowa Department of Natural Resources  
Natural Resource Commission**

#13

**Decision Item**

**Memorandums of Understanding with Department of Administrative Services for Construction Management**

Commission approval is requested for a series of memorandums of understanding (MOUs) with the Department of Administrative Services, State Design & Construction Resources Bureau.

**MOU Terms**

**Total for Projects:** Not to exceed \$2,036,000

**Funding Source(s):** Federal - U.S. Coast Guard; State - Marine Fuel Tax

**MOU Purpose:** The parties propose to enter into a series of MOUs for the purpose of retaining Department of Administrative Service's State Design & Construction Resources Bureau to provide construction management services on projects that are in need of outside design services. Each MOU will define a specific project (listed below) and will allow for the transfer of funds for project oversight, design, and construction costs for which the State Design & Construction Resources Bureau is responsible.

Due to the large number of Marine Fuel Tax (MFT) projects, the DNR's Engineering Bureau, alone, does not have the capacity to complete these projects. Along with using engineering resources under the MOUs, field staff will be working to prioritize completion of MFT projects, also. It is the Department's goal to have backlogged projects that utilize MFT funds completed or under construction by June 30, 2014.

Location	Description	Construction Costs		Contingency	Design and Engineering	Total
		Federal Funds	State/DNR Funds			
Black Hawk State Park	Modern Boat Ramp Restroom & Utilities	\$47,500	\$47,500	\$9,500	\$28,500	\$133,000
Elk Rock State Park	Boat Ramp Road Parking and Paving	\$400,000	\$400,000	\$80,000	\$240,000	\$1,120,000
Honey Creek Resort State Park	Marina Reconfiguration Design Only	NA	NA	NA	\$50,000	\$50,000
Little Sioux Boat Ramp	Boat Ramp Renovation	\$50,000	\$50,000	\$1,000	\$30,000	\$131,000
Nobles Island	Pit Toilet Restroom Upgrade	\$60,000	\$60,000	\$12,000	\$36,000	168,000
Red Rock Wildlife Area	Richard's Dike Repairs	NA	\$60,000	\$6,000	\$18,000	\$84,000
Wilson Island State Park	Boat Ramp Parking Replacement	\$125,000	\$125,000	\$25,000	\$75,000	\$350,000
<b>Totals</b>		\$682,500	\$742,500	\$133,500	\$477,500	<b>\$2,036,000</b>

Chuck Corell, Division Administrator  
Conservation and Recreation Division  
December 12, 2013

**Iowa Department of Natural Resources  
Natural Resource Commission**

**#14**

**Decision Item**

**Donations**

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The Natural Resource Commission is requested to approve the following donations:

Donation to:	Amount	Description	Donation Provided by:
Furharvester Education Program	\$75.00	Snares, Koozies, and catalogs	Jeromy and Lisa Sommerfeld, The Snare Shop
Furharvester Education Program	\$91.00	Coon lure and coon bait	Steve Griebel, Mill Creek Supply
Lacey-Keosauqua State Park	\$170.00	Repair wheel, bracket, hydrant, boat dock hinge	David McQuoid, McQuoid Welding
Law Enforcement	\$279.44	Two trail cameras	John Haberl, Whitetail Unlimited
Volga River Rec. Area	\$400.00	Light fixtures for the Fort Atkinson museum	Rick Trotter
McIntosh Woods State Park	\$800.00	Recycled plastic bench wwith cement pad	Max and Lori Smith
Lake Macbride State Park	\$818.00	Funds toward a memorial bench on Osprey Trail	Bill and Susan Hanken
Lake Anita State Park	\$18,329.93	Funds from the Dean Cooper Estate to support a playground at Lake Anita State Park	Dean Cooper Estate

Chuck Corell, Administrator  
Conservation and Recreation Division  
December 12, 2013