

UTAH DIVISION OF WATER QUALITY

195 North 1950 West

PO Box 144870

Salt Lake City, Utah 84114-4870

Willard Bay Project Proposal Form

NOTE: Proposal must be no longer than 6 pages. Supplemental documents such as letters of support, information to demonstrate previous project implementation and other relative supportive documents may be submitted in addition to this form.

Applicant name: Willard Bay State Park

Co-Applicant Name (if applicable):

Project Title: Park Restroom Facility Refurbishing

Agency or Business Name (if applicable): Division of Parks and Recreation

Mailing Address: 900 West 650 North, #A City: Willard State: Utah Zip: 84340-9999

Phone: (435) 734-9494 Email: daveharris@utah.gov

Individual Non-Profit Govt. Agency Academic Commercial Other

1. Estimated Project Costs:

Labor:	\$9,932.79
Materials:	\$57,075.00
Equipment:	
Administration:	
Miscellaneous:	
TOTAL	\$67,007.79

Other sources of project funding:

Source: Utah State Parks and Recreation Amount: \$9,932.79
To be used for in-kind contribution as labor.

Total project cost including other sources of funding: \$67,007.79
(Please include bids for labor, equipment, rentals, etc.)

2. Describe the purpose and need of the project:

Due to budget and staffing issues the condition of the restrooms has been steadily decreasing over the years. The toilet and urinal fixtures have become stained and corroded, the walls have cracks and water stains, the doors have cracked and warped throughout the seasons, and the overall satisfaction of the public has diminished. The purpose of this project is to make the existing restroom facilities more appealing to the general public. This would include painting the interior and exterior as needed, replacing fixtures such as sinks, toilets, and urinals as needed. This would also include replacing broken or worn doors, windows, walkways, flooring or lighting systems.

3. Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018):

This project will have a completion goal of two years. Half the restrooms would be refurbished during the off peak season of 2015 and the other half would be taken care of in 2016. Total completion time would be by May of 2016.

4. Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project.

Willard Bay State Park, Willard, UT.

Currently there are 13 restroom facilities throughout the North and South Marinas of the park.

5. Describe how the project will specifically enhance and protect waterways affected by the Willard Bay diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response:

The enhancement to existing structures makes the park itself more appealing to the public when they come to visit or take advantage of what the area has to offer. While not directly related to habitat, vegetation or water quality itself, this project does provide the necessary facilities the public requires when spending time in nature enjoying those very things. This in turn ensures that the area is kept clean and in good repair. This also plays a key role in attracting visitors to return.

6. Describe project's connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response:

This project's connectivity to other natural area projects is simple. It provides a clean and safe restroom facility that area users can utilize. This in turn helps keep the environment free of litter and other waste products being disposed of in unapproved areas which can disrupt wildlife, habitat, natural vegetation and water quality.

Restroom Overhaul

Willow Creek Restrooms (2 Separate Facilities)

- Replace 12 Doors out of the 18
- Replace 10 Toilets out of the 15
- Paint Exterior and Interior

Cottonwood Restrooms (2 Separate Facilities)

- Replace 5 Doors out of the 12
- Replace 4 Toilets out of the 10
- Replace 0 Urinals out of the 2
- Paint Exterior and Interior

Eagle Beach Restroom

- Replace 3 Doors out of the 9
- Replace 9 Toilets out of the 15
- Replace 0 Urinals out of the 3
- Paint Exterior and Interior

Boat Slip Restroom

- Replace 0 Doors out of the 3
- Replace 2 Toilets out of the 2
- Paint Exterior and Interior

Pelican Beach Restroom

- Replace 1 Doors out of the 3
- Replace 1 Toilets out of the 5
- Replace 0 Urinals out of the 1

- Paint Exterior and Interior

Pelican Group Restroom

- Replace 4 Doors out of the 6
- Replace 0 Toilets out of the 5
- Replace 0 Urinals out of the 1

- Paint Exterior and Interior

South Marina Lower Restroom

- Replace 2 Doors out of the 6
- Replace 3 Toilets out of the 5
- Replace 0 Urinals out of the 1

- Paint Exterior and Interior

South Marina Upper Restroom

- Replace 2 Doors out of the 3
- Replace 2 Toilets out of the 5
- Replace 0 Urinals out of the 1

- Paint Exterior and Interior

TOTAL Recommendations for all 13 facilities:

- Replace 27 Doors**
- Replace 31 Toilets**
- Replace 4 Urinals**
- Paint Exterior and Interior on all 13**

Cost Analysis:

SUPPLIES

Doors are	\$425.00 each	Total to replace all: \$11,475.00
Toilets are	\$800.00 each	Total to replace all: \$24,800.00
Urinals are	\$800.00 each	Total to replace all: \$3,200.00
Paint	\$40.00 per gal	Total for 13 facilities \$15,600.00
Misc. Supplies (brushes, tape, drop clothes, etc.)		<u>\$2,000.00</u>
	TOTAL SUPPLIES	\$57,075.00

Paint per facility: 30 gal Requires 10 gal tan for exterior, 10 gal brown for roof, doors, and window trim, 5 gal white for interior, 5 gal gray for floor and showers

LABOR:

Painting: 520 hours @ \$16.31/hr. \$8,481.20

Plumbing: 62 hours @ \$16.31/hr. \$1,011.22

Doors: 27 hours @ \$16.31/hr. \$440.37

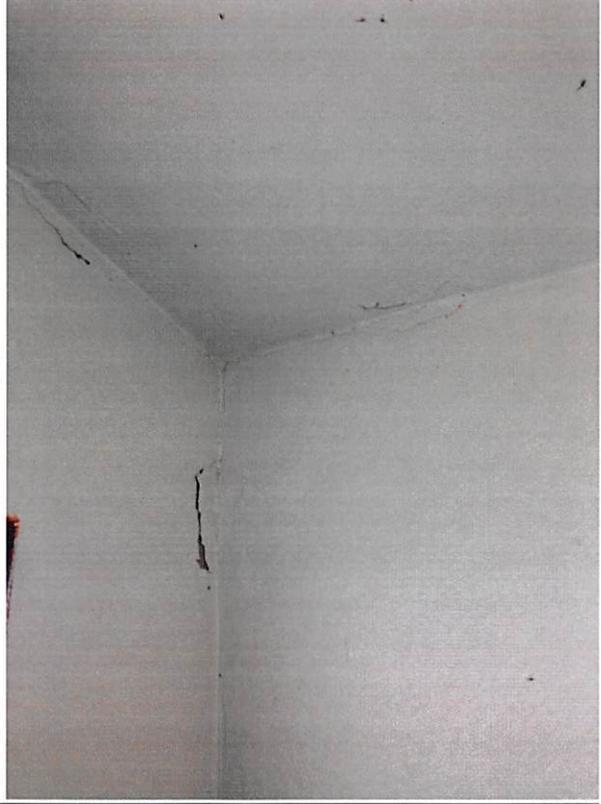
TOTAL LABOR \$9,932.79

Labor was calculated using the 2013 Independent Sector Value to determine volunteer worth of \$22.65/hr. and the normal pay scale for State Park seasonal employees of \$9.97. The two wages were then averaged to get \$16.31/hr. which is the wage used in the above calculations.

Total cost of supplies: \$57,075.00

Total cost of labor: \$9,932.79

Total cost of project: \$67,007.79







COTTONWOOD SOUTH

COTTONWOOD CAMPGROUND RULES

VEHICLES MUST REMAIN ON PAVEMENT
ALL PETS MUST BE ON A LEASH OR IN A VEHICLE
DO NOT EXCEED POSTED SITE CAPACITY
PARK QUIET HOURS ARE 10:00 P.M. TO 7:00 A.M.
DO NOT OCCUPY A SITE THAT IS RESERVED OR OCCUPIED BY OTHERS
NO SITE MAY BE OCCUPIED FOR MORE THAN ONE NIGHT WITHOUT A RESERVATION OR APPROVAL FROM PARK STAFF
FIRES ALLOWED IN DESIGNATED FIRE PITS ONLY



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Applicant name: Willard Bay State Park

Co-Applicant Name (if applicable):

Project Title: **Willard Bay Entrance Station / Office**

Agency or Business Name (if applicable): Division of Parks and Recreation

Mailing Address: 900 West 650 North, #A City: Willard State: Utah Zip: 84340-9999

Phone: (435) 734-9494 Email: daveharris@utah.gov

Individual Non-Profit Govt. Agency Academic Commercial Other

1. Estimated Project Costs:

Labor	\$75,000.00
Materials	\$300,000.00
Equipment	_____
Administration	_____
Miscellaneous	_____
TOTAL	<u>\$375,000.00</u>

Other sources of project funding:

Source: _____ Amount: \$ _____
 Source: _____ Amount: \$ _____

Total project cost including other sources of funding: **\$375,000.00**

(Please include bids for labor, equipment, rentals, etc.)

2. Describe the purpose and need of the project:

Create a highly visible and fully staffed entrance station at the main entrance to the park. This easily identifiable and accessible building would serve as the main point of contact for the public year round and office building for the park. This building would provide visitors with a staffed facility that they can receive the literature, direction, education, and interpretive information they are interested in. The current facility is outdated and not easy to find. It is currently located attached to the maintenance shop inside a fenced area away from the main entrance to the park.

3. Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018):

This would be a single phase project with a completion date of 2017.

4. Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project.

This project would be at the northern main entrance Willard Bay State Park west of Interstate 15 at exit 357.





5. Describe how the project will specifically enhance and protect waterways affected by the Willard Bay diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response:

Having a professional and appealing building invites area users to seek answers to whatever questions they might have. This building would provide access to the full time staff, law enforcement, emergency response and a wide variety of educational and interpretive materials. It provides a face to face contact rather than an automated answering machine or web site that is easy to find. It also makes law enforcement easier to locate if needed in an emergency.

6. Describe project's connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response:

As a visitor center and office building our full time management staff would be available to the public when needed. Visitors would have easy access to printed materials, interpretive signs, educational and informational documents and a friendly staff member to answer their questions or provide assistance.

7. Describe any additional social benefits of implementing this project:

This building would be highly visible and easily accessible when entering the park for the public. It will also allow us to separate the maintenance and office buildings and give additional space for other needs.

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NOTE: Proposal must be no longer than 6 pages. Supplemental documents such as letters of support, information to demonstrate previous project implementation and other relative supportive documents may be submitted in addition to this form.

Applicant name: Willard Bay State Park

Co-Applicant Name (if applicable):

Project Title: **Willard Bay Marina Dredging**

Agency or Business Name (if applicable): Division of Parks and Recreation

Mailing Address: 900 West 650 North, #A City: Willard State: Utah Zip: 84340-9999

Phone: (435) 734-9494 Email: daveharris@utah.gov

Individual Non-Profit Govt. Agency Academic Commercial Other

1. Estimated Project Costs:

Labor	\$200,000.00
Materials	\$2,380,100.00
Equipment	\$50,000.00
Administration	\$287,100.00
Miscellaneous	\$582,800.00
TOTAL	<u>\$3,500,000.00</u>

Other sources of project funding:

Source: Motor Boat Access Amount \$400,000.00
Source: Weber Basin Amount: \$200,000.00

Total project cost including other sources of funding: **\$3,500,000.00**

(Please include bids for labor, equipment, rentals, etc.)

2. Describe the purpose and need of the project:

Both the north and south marinas of Willard Bay are well over due for being dredged. It is estimated that the north marina needs to be dredged three (3) feet and that the south marina needs to be dredged approximately five (5) feet. With this much extra material in the marinas it makes it harder for boaters to launch and use our docks especially at the lower water levels. As it is we are forced to close down the ramps when the water gets extremely low. If we are able to dredge the marinas it would help to allow for better conditions for the public to recreate.

We would also like to dredge the inlet channel which Weber Basin Water Conservancy tries to dredge every few years. By having the inlet channel dredged it helps keep silt down in the marina as well. It is also crucial for the maintenance of the water in the bay.

3. Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018):

This will be a two phase project with the north marina being completed by November 2016 and the South Marina area being completed by October 2017.

4. Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project.

This project will be at Willard Bay State Parks north and south marinas.



5. Describe how the project will specifically enhance and protect waterways affected by the Willard Bay diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response:

Dredging the marinas of Willard Bay will help in several ways from providing a safer boating environment to helping the fishing habitat. We have courtesy docks and long term slips that are not usable in lower waters that would be able to be utilized longer if the dredging occurs. Additionally we are putting in fishing access opportunities that would be benefitted by the dredging.

6. Describe project's connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response:

Dredging would allow for better conditions in the marinas including where we keep our patrol vessels. With the current conditions when the water levels drop we are unable to keep our patrol vessels on the water. This means a slower response to emergencies than would be possible if we were able to dredge out the marina.

7. Describe any additional social benefits of implementing this project:

Dredging the marinas would allow for safer access to Willard Bay and provide more accommodations to the visitors of the park in the lower water levels.

8. Project plans and details, including rights to work on specified piece of land:

Permitting through Army Corps of Engineers will be acquired to perform the project after being awarded funding. B.O.R. is the property owner and is supportive of this project and will conduct an environmental impact for the area. Utah State Parks is the managing partner in these areas.

9. Describe your experience in implementing projects of similar scope and magnitude:

Utah State Park has had to dredge several bodies of water over the years. Additionally Weber Basin Water Conservancy routinely dredges the inlet channel by the south marina and will be partnering in our efforts.

10. Describe how ongoing maintenance of the project will be funded and carried out:

Utah State Parks and Weber Basin Water Conservancy will be responsible for future management and maintenance of the dredged areas.

11. List consultants or agency partners that have participated in project development (below):

The Bureau of Reclamation and Weber Basin Water Conservancy District have been consulted on this project and are supportive of the improvements to the park.

Kerry Schwatz, BOR 302E 1860S Provo, UT 84606 801-379-1150
Name/Company: Address: Phone:

Mark Anderson, WBWCD 2837 Utah 193, Layton, UT 84040 (801) 771-1677
Name/Company: Address: Phone:

Signature  _____ Date 5-5-14
Applicant

Signature _____ Date _____
Co-Applicant (if applicable)

Willard Bay Settlement Request for Proposals

The Division of Water Quality is soliciting project proposals that will enhance and protect waterways and environmental areas that may have been affected or related to the March 2013 release of diesel in the Willard Bay State Park. Examples of acceptable mitigation projects include but are not limited to: environmental projects, infrastructure improvements, and studies or educational activities/events which serve the purpose of protecting or improving water quality and/or the ecology of natural systems. Proposals must include a detailed description of the mitigation project, a cost breakdown showing how the funds will be used, and a plan for implementation of the project. The implementation plan shall include a timeline for implementation, completion of the project, and submission of final document(s) verifying completion of the project.

A two phase process will be used to evaluate proposals and select projects for funding. The first phase will evaluate proposals submitted on the form included below and select projects for funding. Initial proposals should be limited to a six (6) page maximum. Supplemental documents such as letters of support, information to demonstrate previous project implementation and other relative supportive documents may be submitted in addition to the six (6) page application form. Successful applicants will then be notified to submit detailed project plans in the second phase. Upon approval of the detailed project implementation plans, funding will be authorized by the Director of the Utah Division of Water Quality.

The deadlines for proposal submission, detailed project plans and funding authorization are provided here:

- May 5, 2014, 5:00 p.m.: Submission Deadline for project proposals
- May 28, 2014: Projects selected, funds allocated, & Proposers notified (Accepted proposals will be posted on DWQ website.)
- January 1, 2018: Completion of project and final reports due

The following criteria must be met by each funded project:

1. Proposed project must enhance the natural environment by improving conditions for one or more of the following: wildlife, habitat, native vegetation, water quality or emergency response or provide scientific and/or educational enhancements to the citizens of Utah in the context of the above named environmental areas.
2. Proposed project must benefit Utah citizens by providing one or more of the following: enhancements of infrastructure, educational opportunity, environmental benefit or recreational opportunity.
3. Proposer must have either an interest in any land directly involved in the project (e.g., fee title, easement, or other legal agreement that gives all needed rights to enhance the land involved in the project) or written permission/contract to conduct project activity on property.
4. Proposed project must be capable of being completed within 4 years.
5. Proposer must be capable of implementing the proposed project.

Proposals will be scored based upon the following criteria:

Strength of the Project

1. Project benefits the area within Willard Bay State Park or the ecosystems in close proximity.
2. Project benefits the natural environment.
3. Project increases the ecosystem services being provided by the enhanced waterway.
4. Project has social benefits.
5. Project size – how large is the total area that will be directly enhanced by the proposed project?
6. Project connectivity – how does the proposed enhanced project area connect to other natural areas or projects.
7. Project proposer can leverage additional funds.
8. Project cost-effectiveness.
9. Administrative expenses.

Strength of the project team

10. The proposer has the ability to carry out the project as shown by successful past experience in carrying out similar projects.
11. The proposer can ensure, through contract or other written agreement, long term maintenance (if applicable) will sustain the project into the future.
12. The project has multi-agency support and collaboration.

A completed proposal form, no more than six (6) pages, plus supplemental documents, must be submitted in hard copy or emailed electronically (preferred) by May 5, 2014 to the Division of Water Quality to the attention of:

Emily Bartusek
Division of Water Quality
PO Box 144870
Salt Lake City, UT 84114
ebartusek@utah.gov

UTAH DIVISION OF WATER QUALITY

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Willard Bay Project Proposal Form

NOTE: Proposal must be no longer than 6 pages. Supplemental documents such as letters of support, information to demonstrate previous project implementation and other relative supportive documents may be submitted in addition to this form.

Applicant Name: _____

Co-Applicant Name(s) (if applicable): _____

Project Title: _____

Agency or Business Name (if applicable): _____

Mailing Address: _____ City: _____ State: _____ Zip: _____

Phone: (____) ____-____ E-mail: _____

Individual Non-Profit Govt. Agency Academic Commercial Other

1. Estimated Project Costs:

Labor	\$ _____
Materials	\$ _____
Equipment	\$ _____
Administration	\$ _____
Miscellaneous	\$ _____
TOTAL	\$ _____

Other sources of project funding:

_____	\$ _____	_____	\$ _____
Source	Amount	Source	Amount
_____	\$ _____	_____	\$ _____
Source	Amount	Source	Amount
_____	\$ _____	_____	\$ _____
Source	Amount	Source	Amount
_____	\$ _____	_____	\$ _____
Source	Amount	Source	Amount

Total project cost including other sources of funding: \$ _____
(please include bids for labor, equipment, rentals, etc.)

- Describe the purpose and need of the project: _____
- Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018): _____

4. Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project: _____
5. Describe how the project will specifically enhance and protect waterways affected by the Willard Bay diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response:
6. Describe project's connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response:
7. Describe any additional social benefits of implementing this project:
8. Project plans and details, including rights to work on specified piece of land:
9. Describe your experience in implementing projects of similar scope and magnitude:
10. Describe how ongoing maintenance of the project will be funded and carried out:
11. List consultants or agency partners that have participated in project development (below):

Name/Company	Address	Phone
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Name/Company	Address	Phone
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Name/Company	Address	Phone
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Signature _____	Date _____
Applicant	

Signature _____	Date _____
Co-Applicant (if applicable)	

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Applicant Name: Willard Bay State Park

Co-Applicant Name(s) (if applicable): Utah Division of Wildlife Resources

Project Title: Permanent Decontamination Station to Prevent Quagga Mussels Infestation at Willard Bay

Agency or Business Name (if applicable): Utah Division of Parks and Recreation

Mailing Address: 900 W. 650 N #A City: Willard State: UT Zip: 84340

Phone: (435)734-9494 E-mail: daveharris@utah.gov

Individual Non-Profit Govt. Agency Academic Commercial Other

1. **Estimated Project Costs:**

Labor	\$4,400.00
Materials	\$28,000.00
AIS Unit	\$226,000.00
Equipment	\$2,000.00
Administration	\$ _____
Miscellaneous	\$ _____
TOTAL	\$260,400.00

Other sources of project funding:

<u>DWR</u>	\$50,000	_____	\$ _____
Source	_____	Source	Amount
	Amount		
_____	\$ _____	_____	\$ _____
Source	Amount	Source	Amount
_____	\$ _____	_____	\$ _____
Source	Amount	Source	Amount
_____	\$ _____	_____	\$ _____
Source	Amount	Source	Amount

Total project cost including other sources of funding: \$ 310,000

(please include bids for labor, equipment, rentals, etc.)

2. Describe the purpose and need of the project:

Purpose: The purpose of this project is to establish a permanent Aquatic Invasive Species (AIS) decontamination facility at the Willard Bay State Park North Marina. This will enhance protection of Willard Bay and water bodies throughout Utah and neighboring states from AIS infestation by providing a convenient and efficient means to decontaminate boats. This project will also make it easier for Utah boaters to comply with the states invasive species laws.

Need: Willard Bay State Park is located close to the major population centers of Northern Utah and receives high levels of visitation. In the last five years, Willard Bay State Park was consistently one of the top five state parks in terms of annual visitation. For example, in 2012, Willard Bay State Park received 348,534 visitors – the third highest in the state. In addition, Willard Bay is continually among the top ten destination waters for boaters leaving Lake Powell, the only known water body in Utah infested with invasive quagga mussels. With the detection of quagga mussels in Lake Powell and other bodies of water in neighboring states, including Lake Mead in Nevada, decontamination requests at Willard Bay State Park increased by a factor of three in the 2012-2013 boating seasons. The increase in 2013 is especially striking because park visitation was 50% lower in 2013 than in 2012 due to the Chevron diesel pipeline spill and there was still a dramatic increase in decontamination requests. There is also evidence that boats encrusted with quagga mussels are leaving Lake Powell and arriving at water bodies in Utah and neighboring states. It is clear that quagga mussels pose an immediate threat to Willard Bay and Utah's other water bodies. A permanent decontamination station in close proximity to the I-15 corridor and Utah's major population center would provide an efficient and convenient decontamination option for boaters launching at Willard Bay State Park and for those travelling along the I-15 corridor destined for other regional waters.

It is important to protect Utah's water bodies from quagga mussel infestation because these small invaders can have devastating ecological and economic impacts. Quagga mussels reproduce quickly and can foul recreational equipment, infrastructure and pipes. The rapid filtration rates can also alter food webs, sequestering a large portion of primary production and making it unavailable for higher trophic levels, thus negatively impacting fish populations. Once established in a water body, it is nearly impossible to remove quagga mussels, so prevention is the best defense against these invaders.

The region's water supply systems are also at risk. Quagga mussels can clog pipes and interrupt the delivery of culinary and irrigation water supplies. The costs to keep these systems clear of mussels once they are established will likely be in the millions. In the Great Lakes, it costs approximately \$250 million annually to control Dreissenid mussels (quagga and related zebra mussels) in water intake pipes and similar costs can be expected anywhere these invaders become established. This cost will be passed on to consumers throughout the state and region.

Quagga mussels are spread from water to water through recreational boating. The planktonic larvae can be taken onboard recreational boats via water intake systems for the motor, livewells, ballast systems, etc. and adult mussels can attach to boats that are moored in infested waters.

Utah law requires boats to decontaminate, either by cleaning, draining and drying, or by a professional decontamination with 140°F water after boating on an infested water body. Willard Bay currently has a portable decontamination unit, but there are several drawbacks to the current system:

- A. Small water tank. The tank is easily emptied after only a single decontamination and must be refilled after each one, which limits the number of decontaminations that could be performed each day. It also means that a water source must be located nearby. Currently, the only suitable site for the decontamination unit at Willard Bay State Park is near the park office where there is a nearby water source, not at the boat ramp where it would be most convenient for boaters.

- B. Gravel site. The unit must be located away from the water body to avoid runoff contaminating the lake. Currently, the only suitable location is in a gravel/dirt parking lot, which gets very muddy during decontamination and dirties the boat, trailer, and towing vehicle. This frustrates the public and makes future compliance less likely. In addition, anytime mud is transferred into a water body on a boat or trailer it creates a bio-security concern, potentially introducing un-wanted organisms into the receiving water body.
- C. The decontamination process with the portable units is slow and not well-designed for high-traffic waters like Willard Bay. Only one boat can be decontaminated at a time and only one technician can work on a boat.

These concerns and the proximity of Willard Bay State Park to the main population center in Utah, to nearby waters, and to a Port of Entry makes Willard Bay State Park an ideal candidate for a permanent decontamination station. The proposed permanent station will have a direct water hookup, will be placed on a cement pad, will recycle water and will allow two technicians to work on a boat at once, with possible expansion to a second lane to allow two simultaneous boat decontaminations. It will therefore allow Willard Bay State Park to better protect itself from the increased threat of quagga mussels coming from Lake Powell or other infested waters. It will also strengthen state-wide protection from quagga mussels. The fight against quagga mussels requires state-wide and even region-wide coordination because data show that boaters do not stay in a single centralized location. Boaters move throughout a state and even among states. The high visitation rate of Willard Bay State Park, and the convenient proximity of the proposed decontamination station to the I-15 corridor, the border with Idaho and a major population center in Idaho means that the facility will have the potential to protect waters throughout the state and nation, not just Willard Bay and the immediately surrounding waters.

3. **Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018):**

If this proposal is funded, construction and installation of this project will be put out to bid in the summer of 2014, with construction beginning in fall of 2014. Final installation will occur spring 2015 and the unit will be operated daily, as needed, beginning spring 2015. Use of the decontamination unit will be monitored through September 30, 2017 to evaluate the impact of the project on the effort to prevent the spread of quagga mussels and other aquatic invasive species.

Milestones and anticipated completion dates:

- A. Contract bids solicited – June 2014
- B. Contract bids selected – August 2014
- C. Site plans developed – September 2014
- D. Construction begins – September 2014
- E. Construction and installation complete – May 2015
- F. Operation and monitoring begins – May 2015

4. **Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project:**

The proposed unit would be stationed at the North Marina of Willard Bay State Park, just north of the boat launch (41°24'38.68"N, 112° 3'8.63"W). This would allow boaters convenient access to the facility prior to launching their vessel. The proposed facility would also be in close proximity to I-15 and the Perry Port of Entry. This would provide convenient access for boaters entering from Idaho or those travelling on I-15 en route to another water body. Any watercraft stopped at the Port of Entry in need of decontamination would also have convenient access to the decontamination facility. The project will benefit the entire Willard Bay ecosystem by protecting it from invasive species, as well as aquatic ecosystems and water supply systems throughout Utah and neighboring states.



5. **Describe how the project will specifically enhance and protect waterways affected by the Willard Bay diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response:**

Installing a permanent decontamination station will protect Willard Bay from becoming infested with quagga mussels. Therefore, it will provide protection for wildlife, habitat, natural vegetation, and water quality. Quagga mussels can disrupt the food chain and negatively affect fish populations. In addition, they have been linked to botulism outbreaks in birds and to blooms of potentially toxic blue-green algae in the Great Lakes. Quagga mussels can filter large quantities of water, increasing light penetration and benthic plant and algae growth in shallow waters. They also cover benthic substrates, rendering them unsuitable for fish, especially for fish spawning. The proposed decontamination station will protect Willard Bay and the surrounding waters and their fish populations from these impacts of quagga mussel invasion.

The proposed decontamination station will also protect waterways and water supply systems from disruption due to quagga mussel infestation. Quagga mussels reproduce and grow quickly, forming thick colonies that can clog pipes and foul infrastructure. Preventing quagga mussel invasion will protect Utah's water supply systems and save industry and consumers millions of dollars.

6. **Describe project's connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response:**

The project will improve and protect waters nearby, including popular boating and fishing destinations in Northern Utah. The convenient location of Willard Bay State Park near the Perry Port of Entry and I-15 and near a population center means that this decontamination station will be used to decontaminate boats destined for waters other than Willard Bay as well those intending to launch at Willard Bay. In addition, keeping Willard Bay mussel-free will reduce the risk of surrounding waters becoming infested.

7. **Describe any additional social benefits of implementing this project:**

This project will have substantial social benefits. Boaters coming from mussel-infested waters are required to decontaminate their boats before launching at another water. This project would make it more convenient for boaters to fulfill this requirement and would reduce the time required to conduct a professional decontamination, thus increasing time spent recreating for boaters who need decontamination. As park visitation rates increase, this permanent decontamination station will allow Willard Bay State Park to keep pace with increased demand for decontaminations while providing a good experience to visitors. The station will also serve as a permanent reminder for the park clientele of the importance of protecting Utah's waters and the importance to always clean, drain, and dry their boats.

In addition, protecting waters in Northern Utah from quagga mussel infestation will keep water supply systems free of mussels. If water supply systems become infested, the costs of controlling invasive mussels will likely be in the millions and will be passed on to the consumer. Even non-boaters will benefit from increased protection at area waters.

8. **Project plans and details, including rights to work on specified piece of land:**

A 40' permanent decontamination facility (example schematic attached, Appendix A) will be installed at the Willard Bay State Park North Marina. The land is owned by the B.O.R. and managed by Utah State Parks. The decontamination facility will include two pressure decontamination sprayers capable of delivering at least five gallons of water per minute each. A thermostat controlled water heating system will be integrated into the decontamination system to achieve consistent 140°F water needed to kill aquatic invasive species. The water heater and sprayers will be housed in a permanent, insulated modular building capable of expanding to four decontamination sprayers. Also housed within the modular building will be a water reclamation and filtration system to further reduce the risk of spreading AIS through the run off of boat decontaminations and to reduce water waste. To collect the waste water for reclamation, a single lane collection pad will be installed on the site. The decontamination facility will have the capacity to be expanded to a second lane if future demand makes it necessary.

The decontamination system requires a permanent 200 amp electrical service to provide power and a water line to provide enough water to replace any lost to splash or over-spray. In addition, the paved parking area at the North Marina will be expanded to maintain parking availability. The new pavement and power and water lines will be installed by Utah State Parks and Recreation and by a licensed contractor as needed, under the guidance of Utah State Parks and Recreation maintenance personnel. Environmental impact analysis is being conducted by the B.O.R. for the project.

9. **Describe your experience in implementing projects of similar scope and magnitude:**

Utah State Parks and Recreation has been directly involved in hundreds of projects, ranging from large to small scale, large to small budgets, and complex to simple construction. Projects include building infrastructure such as restrooms, shops, visitor centers and concession buildings, as well as recreational areas, managing natural resources and facilities. The Utah Division of Wildlife Resources (UDWR) has also been directly involved in hundreds of similar projects.

10. **Describe how ongoing maintenance of the project will be funded and carried out:**
 Funding for ongoing maintenance of the decontamination facility will be provided by the UDWR AIS program. The UDWR has a contractual agreement with Willard Bay State Park to implement the AIS program at the park. Willard Bay State Park staff will use these funds to maintain and operate the decontamination facility.
11. **List consultants or agency partners that have participated in project development (below):**
 The Bureau of Reclamation and Weber Basin Water Conservancy District have been consulted on this project and are supportive of the improvements to the park.

<u>Hydro Engineering Inc.</u>	<u>865 W. 2600 S. Salt Lake City 84119</u>	<u>(801) 972-1181</u>
Name/Company	Address	Phone
<u>Division of Wildlife Resources</u>	<u>515 E. 5300 S. Ogden, UT 84405</u>	<u>(801) 476-2740</u>
Name/Company	Address	Phone
<u>Kerry Schwatz, BOR</u>	<u>302E 1860S Provo, UT 84606</u>	<u>801-379-1150</u>
Name/Company	Address	Phone
<u>Mark Anderson, WBWCD</u>	<u>2837 Utah 193, Layton, UT 84040</u>	<u>(801) 771-1677</u>
Name/Company	Address	Phone

Signature  Date 5/5/14
 Applicant

Signature _____ Date _____
 Co-Applicant (if applicable)

UTAH DIVISION OF WATER QUALITY

195 North 1950 West
PO Box 144870
Salt Lake City, Utah 84114-4870

Willard Bay Project Proposal Form

NOTE: Proposal must be no longer than 6 pages. Supplemental documents such as letters of support, information to demonstrate previous project implementation and other relative supportive documents may be submitted in addition to this form.

Applicant name: Willard Bay State Park

Co-Applicant Name (if applicable):

Project Title: South Marina Courtesy Dock

Agency or Business Name (if applicable): Division of Parks and Recreation

Mailing Address: 900 West 650 North, #A City: Willard State: Utah Zip: 84340-9999

Phone: (435) 734-9494 Email: daveharris@utah.gov

Individual Non-Profit Govt. Agency Academic Commercial Other

1. Estimated Project Costs:

Labor	\$32,073.00
Materials	\$127,877.00
Equipment	_____
Administration	\$17,806.00
Miscellaneous	<u>\$50,000.00</u>
TOTAL	\$227,756.00

Other sources of project funding:

Source: Utah State Parks In kind labor and equipment Amount: \$10,000.00
Source: _____ Amount: \$ _____

Total project cost including other sources of funding: **\$227,756.00**
(Please include bids for labor, equipment, rentals, etc.)

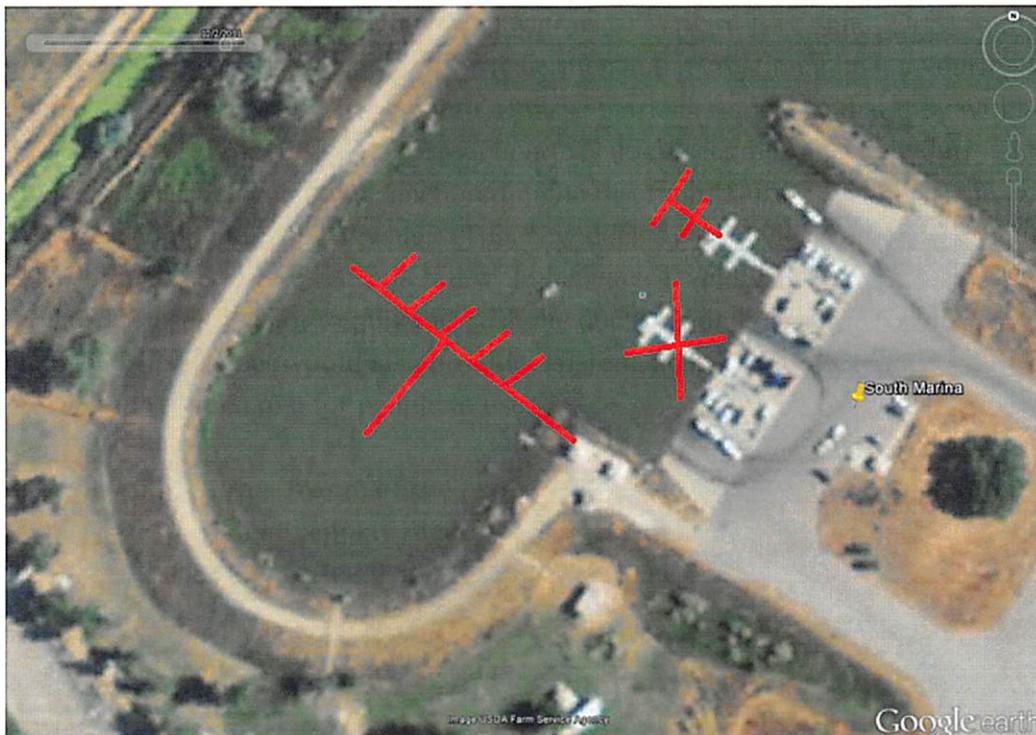
2. Describe the purpose and need of the project:

This project is two parts; the first will be to combine the two current courtesy docks at the south marina of Willard Bay State Park to make one larger dock that sticks out further in the water. We will put a larger gangway and spud poles on the docks so that it will remain in place without having to move the docks in and out with the rise and fall of the water. This should allow for better access to the area. Next will be to purchase and install a new courtesy dock to be located at the southern most ramp of the South Marina of Willard Bay State Park. Both of these will be used to provide courtesy mooring for fishermen and recreational boaters during the launching or retrieval of their vessels. The benefit of these particular docks is that they will be able to be used even at low water levels. The current courtesy dock becomes unusable during low water due to the way it was designed to be anchored in the reservoir. During low water the existing dock system is completely out of water. This new dock system will stretch further out into the reservoir and be able to rise and fall with the water level by using spud poles. This will eliminate the need to use a tractor to pull and push the docks up and down the banks as water levels change. This project would also provide a fishing access point by having a fishing dock extend to the south in the cove for people to use.

3. Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018):

Project will be installed and completed no later than November 2017.

4. Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project.



5. Describe how the project will specifically enhance and protect waterways affected by the Willard Bay diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response:

When the diesel spill happened at the north marina of Willard Bay it pushed more people to recreate at the south marina. With the increase in visitation and popularity of the area combined with receding water levels there are increasing issues with people being able to safely launch their boats and use a dock. This dock will make it possible to moor a boat even at extreme low water levels. This will allow more fishermen and recreational boaters to continue to use the water even at these extreme low water levels. There will be a clear barrier for a non-motorized beach area that can be utilized by fishermen and recreationalists who want a safer or less disturbed area free of boats. It will also be able to accommodate more boats and people than the current system and for high and low water levels.

In addition, emergency response vessels will be able to moor here and mid-water samples can be taken from here during low water.

6. Describe project's connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response:

Currently there is a big push from the Department of Wildlife to increase fishermen access points. This will provide a unique access point that can accommodate fishing in more places with minimal impact to the local vegetation. There will also be garbage and restroom facilities conveniently located near the area which will help to cut down on the litter.

7. Describe any additional social benefits of implementing this project:

First and foremost this dock system will allow people easier access to the reservoir at lower water levels. In addition, it will provide a barrier that will keep motorized vessels out of a small beach area. This area can be used for swimming, fishing, paddle boarding, or any other water activity that would benefit from an area free of motorboats.

8. Project plans and details, including rights to work on specified piece of land:

Proper permits and documentation is being coordinated through the park manager and the Division of State Parks and Recreation construction staff. Permit process is already underway with the Bureau of Reclamation. \$50,000 in miscellaneous is for estimated cost to increase dock size from 6' to 8'.

9. Describe your experience in implementing projects of similar scope and magnitude:

State Parks have been directly involved in hundreds of projects ranging from large to small scale, large to small budgets, and complex to simple construction. Projects include building infrastructure such as restrooms, shops, visitor centers and concession buildings, as well as

recreational areas, managing natural resources, and facilities. There have also been several large and small dock systems that have been installed throughout the State at all boating parks.

10. Describe how ongoing maintenance of the project will be funded and carried out:
Once installed, the Division of Parks and Recreation will be responsible for future routine maintenance.

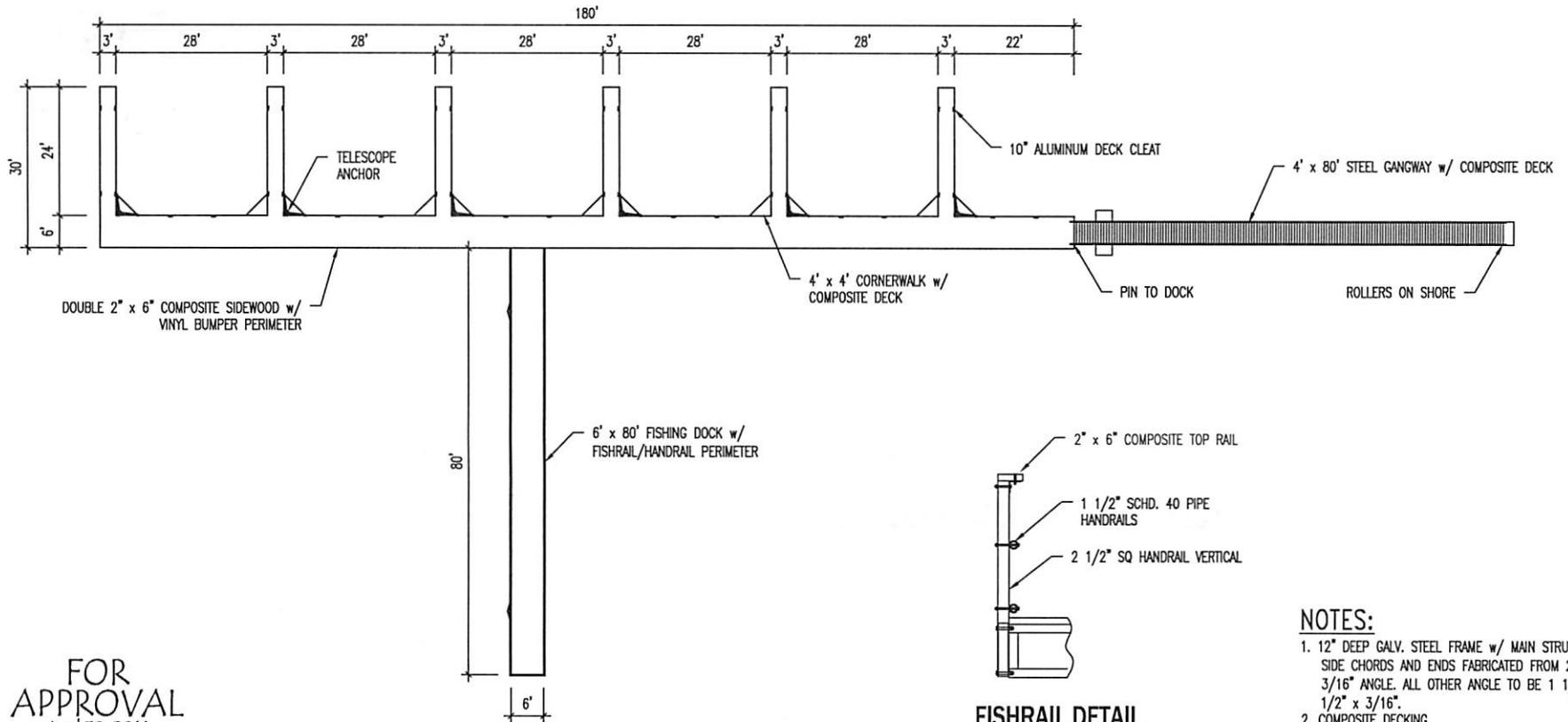
11. List consultants or agency partners that have participated in project development (below):

The Bureau of Reclamation and Weber Basin Water Conservancy District have been consulted on this project and are supportive of the improvements to the park.

Kerry Schwatz, BOR	302E 1860S Provo, UT 84606	801-379-1150
_____ Name/Company	_____ Address	_____ Phone
Mark Anderson, WBWCD	2837 Utah 193, Layton, UT 84040	(801) 771-1677
_____ Name/Company	_____ Address	_____ Phone
_____ Name/Company	_____ Address	_____ Phone

Signature  Date 5/15/14
Applicant

Signature _____ Date _____
Co-Applicant (if applicable)



NOTES:

1. 12" DEEP GALV. STEEL FRAME w/ MAIN STRUCTURAL SIDE CHORDS AND ENDS FABRICATED FROM 2" x 2" x 3/16" ANGLE. ALL OTHER ANGLE TO BE 1 1/2" x 1 1/2" x 3/16".
2. COMPOSITE DECKING.
3. POLYETHYLENE FLOAT w/ POLYSTYRENE FLOTATION MOLDED INSIDE. (NOMINAL .150" WALL)
4. TELESCOPE ANCHORAGE - DESIGNED FOR A MAX. WATER DEPTH OF 35'-0"
5. ALL DOCK STRUCTURES & GANGWAY TO BE HOT-DIP GALVANIZED AFTER FABRICATION.
6. VINYL BUMPER COLOR TO BE BLACK
7. DECK FLOTATION LEVELLOAD - ~25 P.S.F.

FOR APPROVAL
 April 30, 2014
 NOT FOR CONSTRUCTION
Atlantic Meeco
 THE MARINA COMPANY

PLAN VIEW

FISHRAIL DETAIL

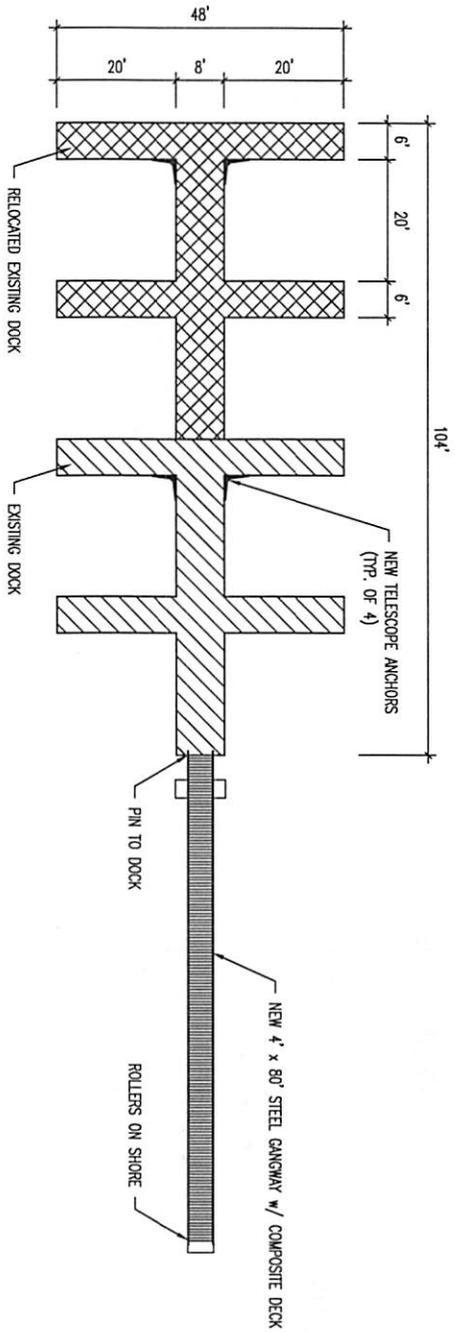
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 McALESTER, OKLAHOMA, USA 74501 Fax: (918) 423-3215

DRAWN BY: D.E.B.	FILE NAME: 7983-1	
CHECKED BY:	JOB #	PLAN # 7983
SCALE: 1"=20'	DATE: 4/30/14	SHEET 1

STATE OF UTAH - WILLARD BAY
 WILLARD, UTAH



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April 30, 2014

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PLAN VIEW

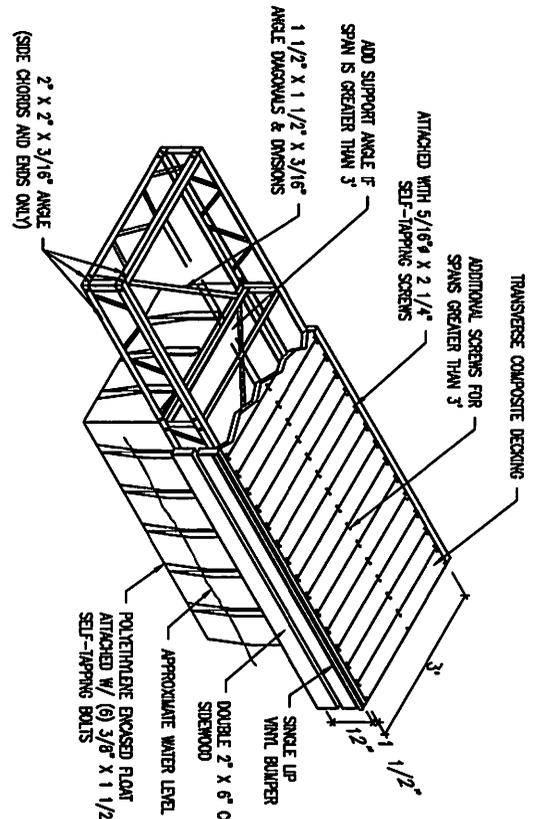
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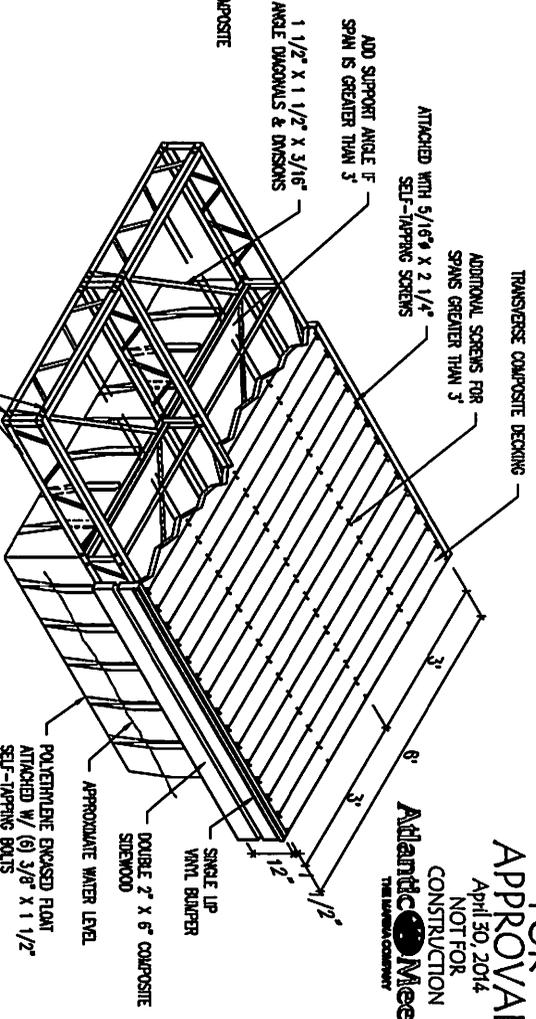
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		MAULSTER, OKLAHOMA, USA 74501	Fax: (918) 423-3215

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	SHEET # 2

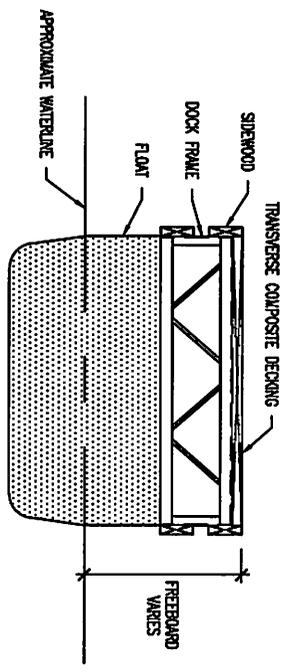
STATE OF UTAH - WILLARD BAY
WILLARD, UTAH



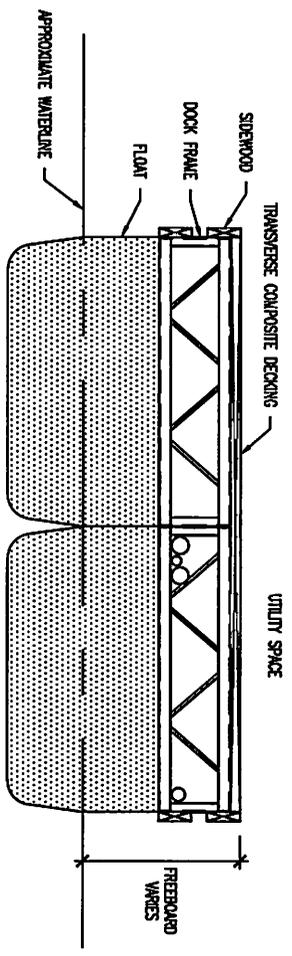
FLOTATION UNIT



FLOTATION UNIT



SECTION VIEW



SECTION VIEW

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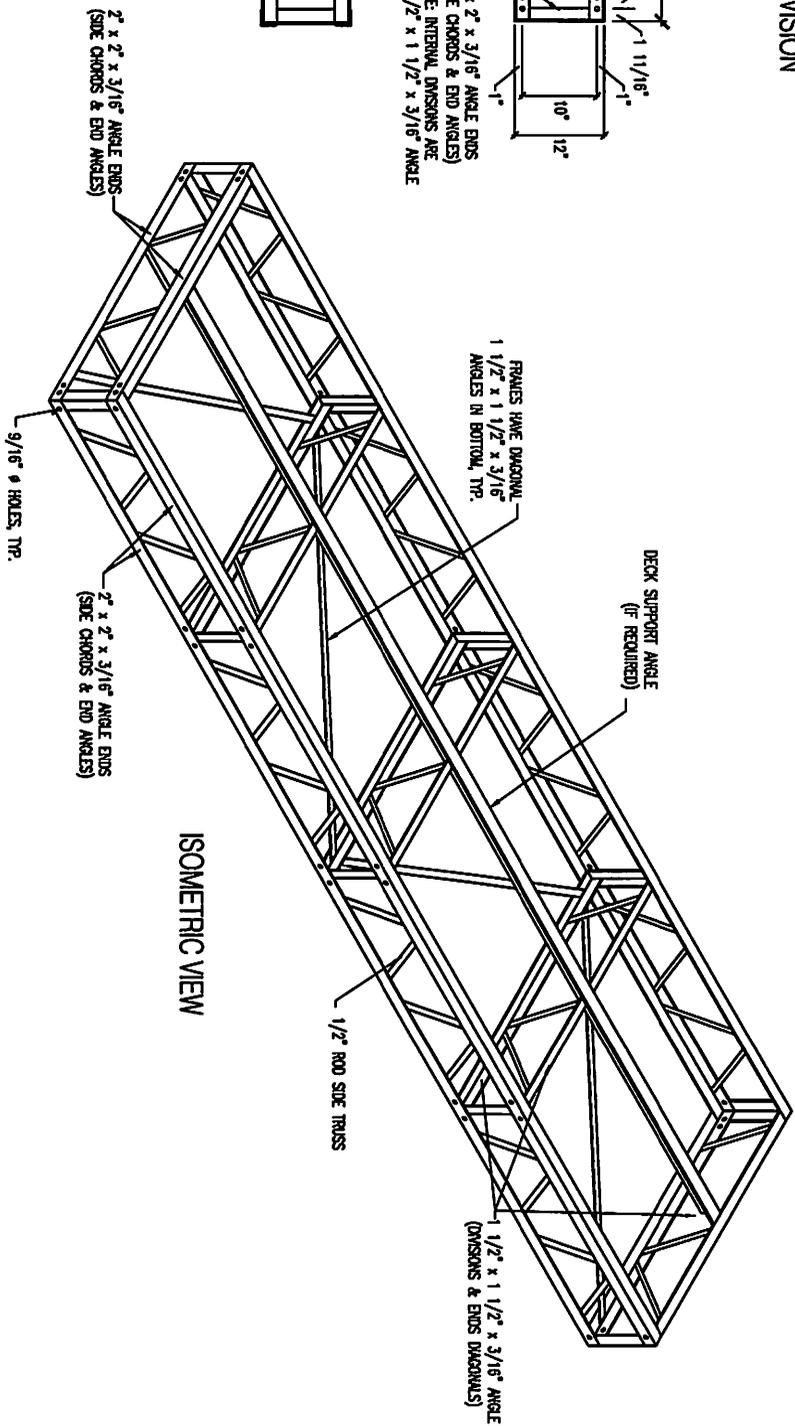
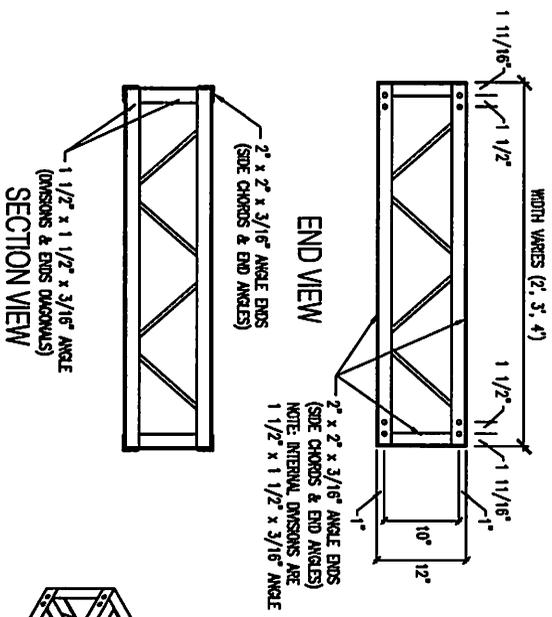
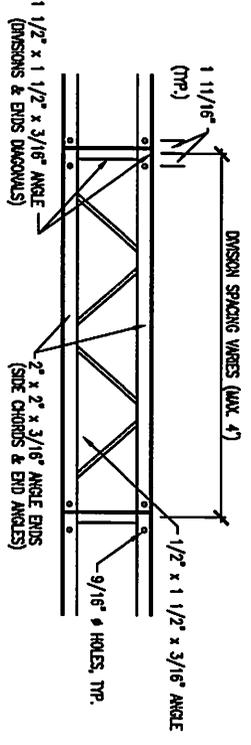
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CHECKED BY:	JOB #
SCALE: 8" = 1'	DATE: 4/24/14
	SHEET 3

STATE OF UTAH - WILLARD BAY
 WILLARD, UT

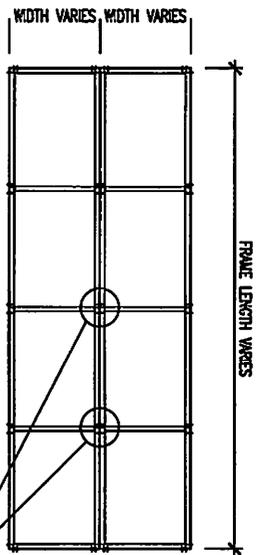
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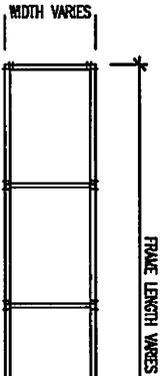
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STANDARD FRAME DETAIL

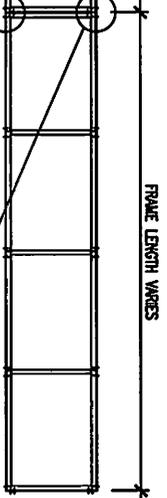
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Atlantic Mecco THE MARINA COMPANY 1501 E. ELECTRIC AVE. Phone: (919) 423-8833 WAKEFELD, NORTH CAROLINA, USA 74501 Fax: (919) 423-3215				DRAWN BY: O.E.B. CHECKED BY: SCALE: 3/8" = 1' FILE NAME: 7983-DETAILS JOB # DATE: 4/24/14 PLAN # 7983 SHEET 4
STATE OF UTAH - WILLARD BAY WILLARD, UT				



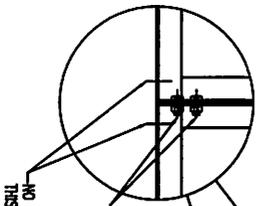
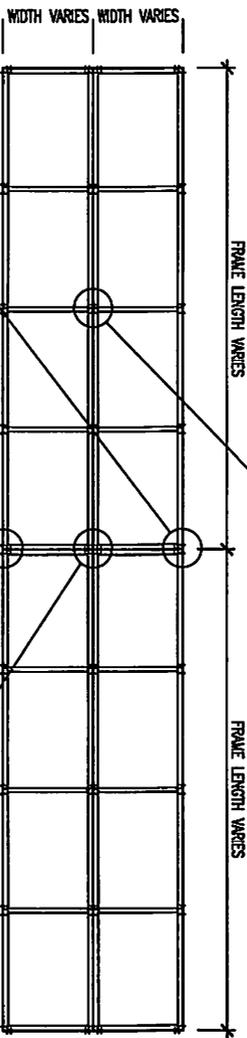
DOUBLE WIDE FRAME SIDE TO SIDE
(2) FRAMES SHOWN BOLTED SIDE TO SIDE



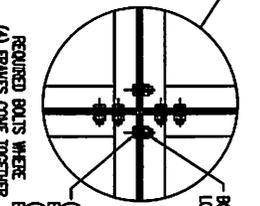
SINGLE WIDE FRAME END TO END
(2) FRAMES SHOWN BOLTED END TO END



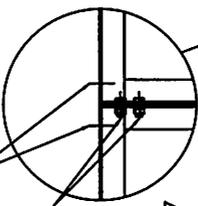
DESIGN CRITERIA:
FRAMES ARE DESIGNED WITH PRE-PUNCHED HOLES FOR CONNECTING FRAMES END TO END AND SIDE TO SIDE FOR VARIOUS DOCK CONFIGURATIONS. THE MIN. REQUIRED BOLTS FOR THE STIPED DESIGN ARE INDICATED. ADDITIONAL HOLES NOT USED ARE FOR DESIGN UNIFORMITY AND TO ALLOW FOR FUTURE RECONFIGURATION AND OR ACCESSORY CONNECTIONS. ALL BOLTS ARE (A325) 1/2" DIA. x 1 1/4" GALV. HEX. HD. WITH GALV. HEX NUTS AND LOCK WASHERS.



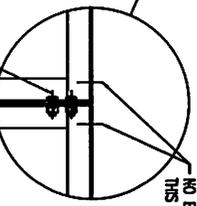
DOUBLE WIDE FRAME END TO END
(4) FRAMES SHOWN BOLTED SIDE TO SIDE AND END TO END
(4) 1/2" x 1 1/4" GALV. (A325) HH BOLTS REQUIRED PER FRAME JUNCTION
(2) AT TOP FRAME ANGLE & (2) AT BOTTOM FRAME ANGLE
NO BOLT REQUIRED THIS HOLE LOCATION



DOUBLE WIDE FRAME END TO END
(4) FRAMES SHOWN BOLTED SIDE TO SIDE AND END TO END
(4) 1/2" x 1 1/4" GALV. (A325) HH BOLTS REQUIRED PER FRAME JUNCTION
(2) AT TOP FRAME ANGLE & (2) AT BOTTOM FRAME ANGLE
NO BOLT REQUIRED THIS HOLE LOCATION

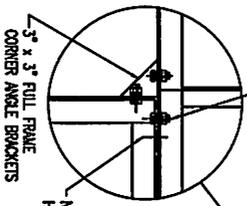


DOUBLE WIDE FRAME END TO END
(4) 1/2" x 1 1/4" GALV. (A325) HH BOLTS REQUIRED PER FRAME JUNCTION
(2) AT TOP FRAME ANGLE & (2) AT BOTTOM FRAME ANGLE
NO BOLT REQUIRED THIS HOLE LOCATION



DOUBLE WIDE FRAME END TO END
(4) 1/2" x 1 1/4" GALV. (A325) HH BOLTS REQUIRED PER FRAME JUNCTION
(2) AT TOP FRAME ANGLE & (2) AT BOTTOM FRAME ANGLE
NO BOLT REQUIRED THIS HOLE LOCATION

(9) TOTAL BOLTS REQUIRED
(3) AT TOP FRAME JUNCTIONS
(3) AT BOTTOM FRAME JUNCTIONS
1/2" x 1 1/4" GALV. NUTS & LOCK WASHERS



FINGER TO HEADPIER CONNECTION
3" x 3" FULL FRAME CORNER ANGLE BRACKETS
NO BOLT REQUIRED THIS HOLE LOCATION
FINGER
HEADPIER WIDTH VARIES

NO.	REVISION DESCRIPTION	BY	DATE

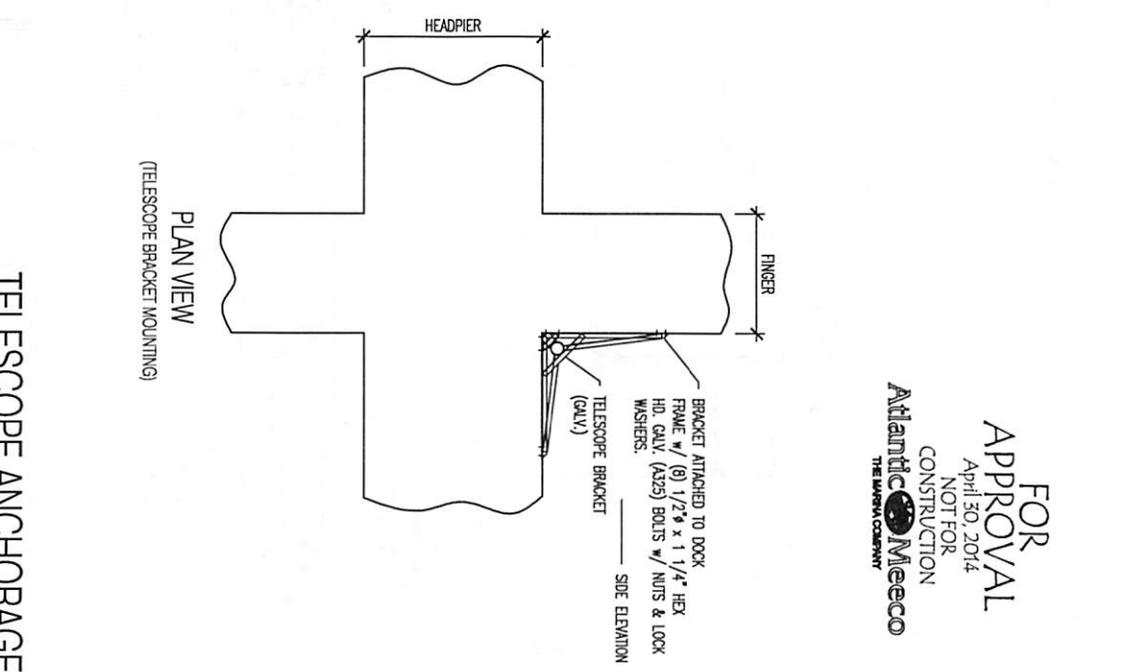
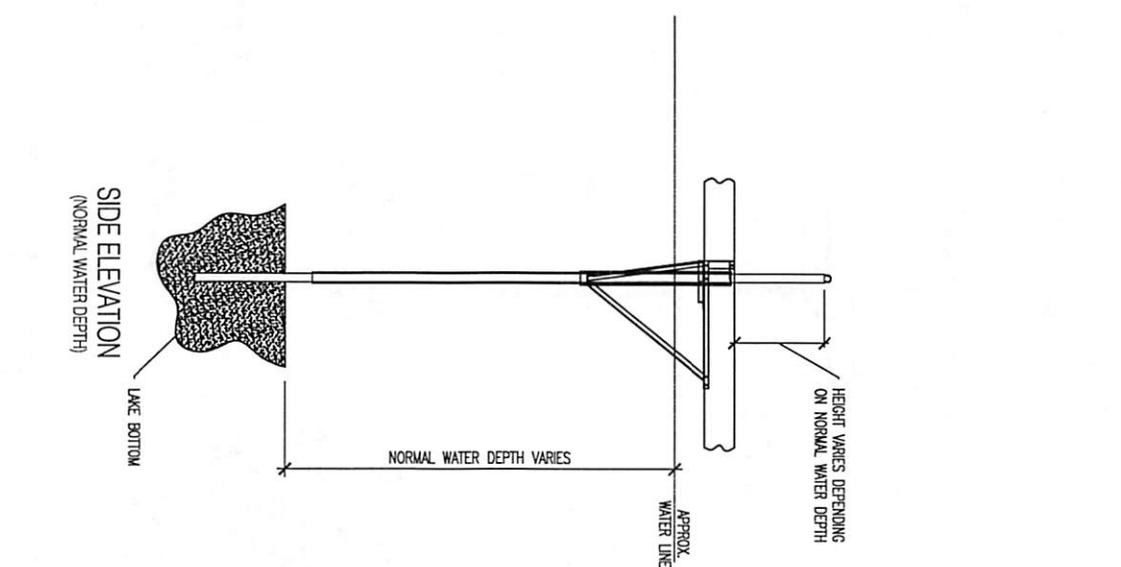
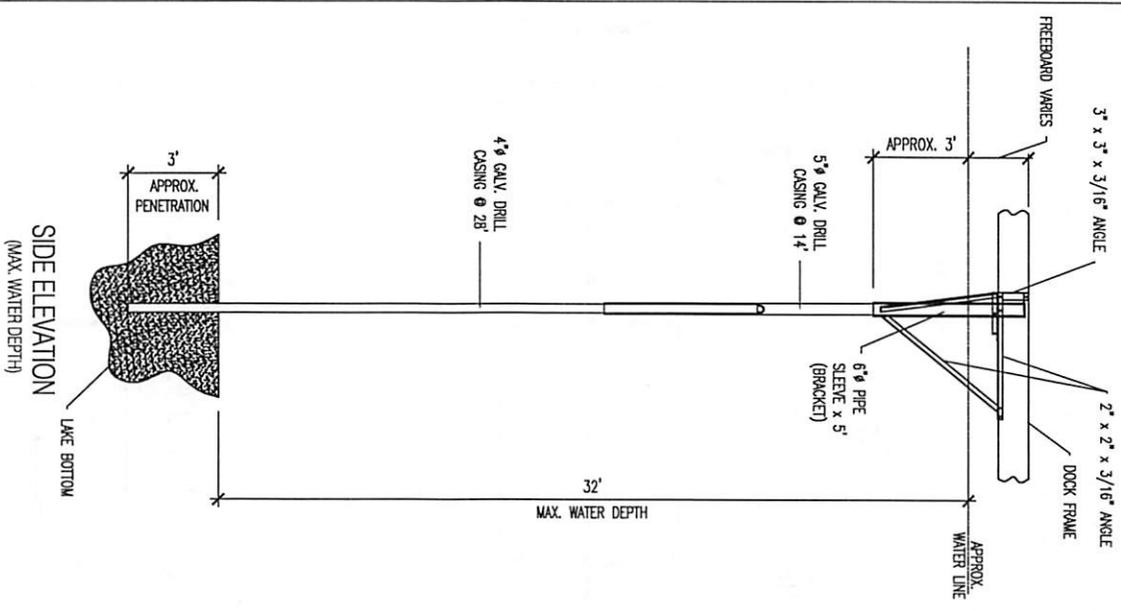
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Atlantic Mecco
 1501 E. BOSTON AVE.
 HOUSTON, OKLAHOMA, USA 74501
 Phone: (918) 423-4833
 Fax: (918) 423-2315

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 SCALE: 1/4" = 1'
 FILE NAME: 7883-DETAILS
 JOB # []
 PLAN # 7883
 DATE: 4/24/14
 SHEET 5

STATE OF UTAH - WILLARD BAY
 WILLARD, UT



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TELESCOPE ANCHORAGE

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 MOLESTER, OKLAHOMA, USA 74801 Fax: (918) 423-3215

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CHECKED BY:	JOB #
SCALE: 1/4" = 1'	DATE: 4/24/14
	PLAN # 7983
	SHEET 6

STATE OF UTAH - WILLARD BAY
 WILLARD, UT

Atlantic Meeco

THE MARINA COMPANY

April 30, 2014

Via Email: danc Clark@utah.gov

Mr. Dan Clark
Utah Division of State Parks and Recreation
1594 North West Temple
Salt Lake City, UT 84114

Re: Willard Bay South

Dear Mr. Clark:

We are pleased to provide the following quotation per Atlantic-Meeco Plan # 7983 dated April 30, 2014.

Description of Design

- (11) 24' open slips with telescope anchors
- (1) 6' x 80' fishing dock with fishrail
- (2) 4' x 80' galvanized steel gangways with composite deck
- (1) relocate (2) existing courtesy docks and re-anchor with (4) telescope anchors

Description of Materials

Galvanized Steel Frames - manufactured by Atlantic-Meeco
12" deep galvanized steel frame - proven, strong, low maintenance
Unique box truss frame design - creates 100% full load transfer
Main structural frame members shall be a minimum of 2" x 2" x 3/16" angle - superior system performance
Bolted connection in horizontal plane - added strength for vertical/wave movement

Composite Decking

Wood Polymer composite 2" x 6" - low maintenance, long life
Recycled wood and plastics - environmentally sound
Attached to frame on 2' maximum spans.

Polyethylene Floats

Shell: Roto-molded polyethylene, resistant to marine life and petroleum.
Core: Expanded polystyrene block is molded inside the shell.
Shell thickness shall be .150 inches ARM STD +/-20%
Firmly bolted to the frame

Telescope Anchor System

Maximum water depth of 32'
Galvanized telescope frame
Galvanized anchor pipes

Gangway
Galvanized steel gangway with composite decking

Warranties

Two Year Material Limited Warranty
Ten Year Flotation Limited Warranty

Material	\$ 127,877
Installation	32,073
Freight	<u>17,806</u>
Total	\$ 177,756

Items Not Included

Utilities, permits, or fees

This quotation is subject to review after 30 days.

Please call us at 800-627-4621 if we may be of further assistance.

Sincerely,

Steve Shelton

Steve Shelton
Regional Sales Manager
(801) 830-4826 Cell
sshelton@atlantic-meeco.com

UTAH DIVISION OF WATER QUALITY

195 North 1950 West

PO Box 144870

Salt Lake City, Utah 84114-4870

Willard Bay Project Proposal Form

NOTE: Proposal must be no longer than 6 pages. Supplemental documents such as letters of support, information to demonstrate previous project implementation and other relative supportive documents may be submitted in addition to this form.

Applicant name: Willard Bay State Park

Co-Applicant Name (if applicable):

Project Title: **Willard Bay Maintenance Area Paving**

Agency or Business Name (if applicable): Division of Parks and Recreation

Mailing Address: 900 West 650 North, #A City: Willard State: Utah Zip: 84340-9999

Phone: (435) 734-9494 Email: daveharris@utah.gov

Individual Non-Profit Govt. Agency Academic Commercial Other

1. Estimated Project Costs:

Labor	\$20,000.00
Materials	\$60,000.00
Equipment	_____
Administration	_____
Miscellaneous	\$20,000.00
TOTAL	<u>\$100,000.00</u>

Other sources of project funding:

Source: _____ Amount: \$ _____

Source: _____ Amount: \$ _____

Total project cost including other sources of funding: **\$100,000.00**

(Please include bids for labor, equipment, rentals, etc.)

2. Describe the purpose and need of the project:

The purpose of this project is to change our gravel based maintenance parking area into a paved parking area. The current area has ruts and uneven areas that cause increased damage and cause problems seasonally with puddles, ice, and snow removal. Vehicles sustain more wear and tear than usual and because of the gravel, weeds grow throughout causing additional maintenance on the area. If we are able to pave the area we would reduce the general maintenance needed for the parking area and also reduce some of the wear and tear on the equipment in the area.

3. Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018):

This would be a single phase project with a completion date of 2017.

4. Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project.

This project would be located around our maintenance building area where our equipment is kept and maintained. See attached map from prior to spill.

5. Describe how the project will specifically enhance and protect waterways affected by the Willard Bay diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response:

Our maintenance area was used by Chevron during the clean up for storing of equipment as needed and repeated daily trips through with heavy equipment to fill water tanks from our hydrant. It caused damage to the gravel parking area including rutting. This maintenance area is our main base of operation and where we store and maintain all of our equipment for the park including our emergency response equipment. We have issues because of the current gravel base with equipment getting stuck and damaged; this can delay our response time in an emergency situation.

6. Describe project's connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response:

This area is our base of operation and where equipment is kept and maintained that is used to maintain Willard Bay State Park including the natural resources. Without a good base of operations we are unable to provide the best services possible for the areas we manage.

7. Describe any additional social benefits of implementing this project:

The current condition of our parking area is not inviting to the public that have reason to come into our maintenance area.



© 2014 Google

Google earth

Imagery: Da19938/11/2011 41°25'14.89" N 112°03'23.99" W elev 4240 ft eye alt 4452 ft

UTAH DIVISION OF WATER QUALITY

195 North 1950 West
PO Box 144870
Salt Lake City, Utah 84114-4870

Willard Bay Project Proposal Form

NOTE: Proposal must be no longer than 6 pages. Supplemental documents such as letters of support, information to demonstrate previous project implementation and other relative supportive documents may be submitted in addition to this form.

Applicant name: Willard Bay State Park

Co-Applicant Name (if applicable):

Project Title: Boat launch ramp extension, North Marina

Agency or Business Name (if applicable): Division of Parks and Recreation

Mailing Address: 900 West 650 North, #A City: Willard State: Utah Zip: 84340-9999

Phone: (435) 734-9494 Email: daveharris@utah.gov

Individual Non-Profit Govt. Agency Academic Commercial Other

1. Estimated Project Costs:

Labor	<u>48 hours @ \$35.94=\$1,725.12 (Provided by State Parks)</u>
Materials	<u>Concrete 4000 psi, 6 bag concrete, \$10,000 (72 yards)</u>
	<u>Gravel \$1000 (18 yrd)</u>
	<u>Fiber Mesh (rebar) \$600</u>
	<u>Wood for forms \$500</u>
Equipment	<u>Supplied by State Parks</u>
Administration	_____
Miscellaneous	_____
TOTAL	<u>\$ 13,825.12</u>

Other sources of project funding:

Source: _____	Amount: \$ _____
Source: _____	Amount: \$ _____

Total project cost including other sources of funding: \$ \$13,825.12

(Please include bids for labor, equipment, rentals, etc.)

Rate of \$35.94 was calculated from the average wage for a full-time employee working for State Parks. Hours were estimated from needs to complete the project.

2. Describe the purpose and need of the project:

This projects purpose is to extend two parts of the Willard Bay North Marina boat launch. There are three lanes for boats to launch. During a low water year two of the three lanes are not able to be used because the water level drops below the lowest point on the ramp.

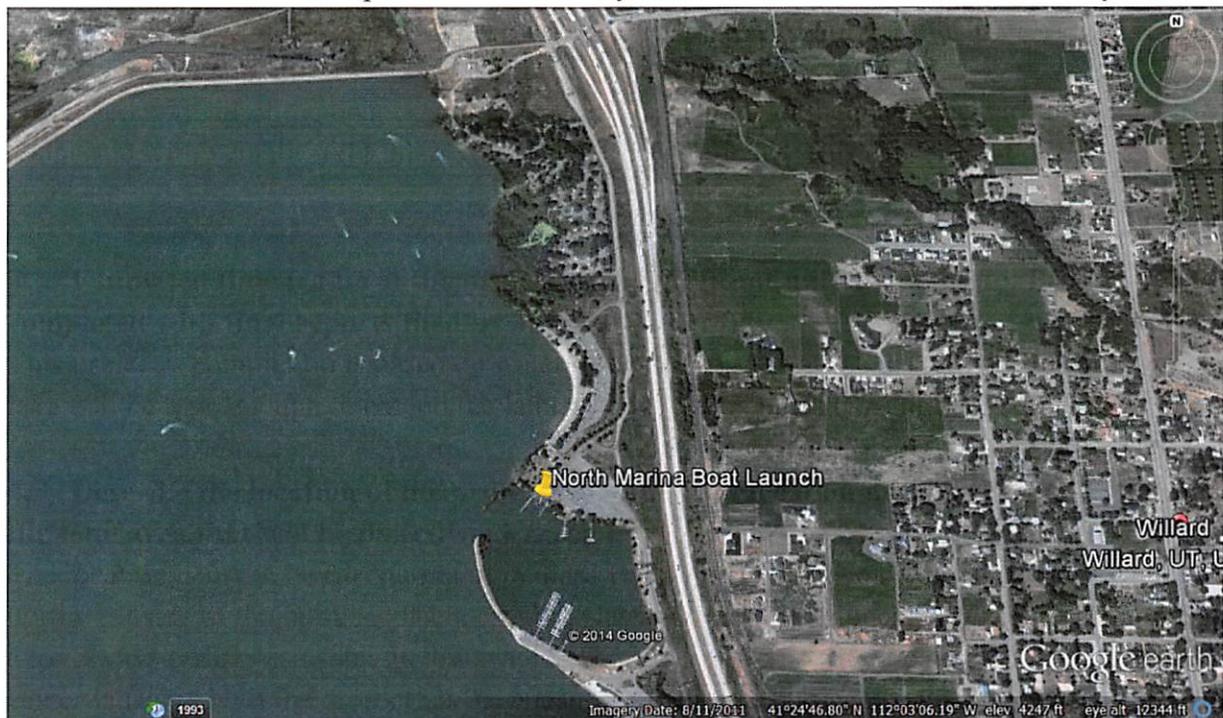
This makes launching and loading a huge problem. The marina gets congested with all of the boats waiting for trailers to come get them and the parking lot gets congested with vehicle and trailers waiting to launch or load. This causes a lot of traffic problems.

3. Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018):

This project's completion is based on water levels. Current water level predictions indicate the lake will be low enough to extend the launches either this fall (2014) or next spring (2015).

4. Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project.

The location is in the North Marina of Willard Bay State Park. The boat launch is located on the northwest side of the marina. There are three lanes for boats to launch. The center lane extends a long ways out and is usable in low water. The left lane and right lane are not as long as the center lane and with the drop off at the ends they are not able to be used in low water years.





5. Describe how the project will specifically enhance and protect waterways affected by the Willard Bay diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response:

This project will greatly enhance the waterways of Willard Bay State Park. It will provide greater access to launching and loading vessels and will help the flow of traffic and vessels waiting to launch and load. It will improve water and air quality because vessels and vehicles will not have to idle as long as they wait to get on and off the water. This will decrease emissions greatly and improve water quality. This will also improve emergency response as well. It will decrease congestion in the marina with vessels, allowing emergency vessels to easily navigate the marina and channels. This will also decrease traffic congestion on the boat launch and parking area making emergency response quicker and more efficient.

6. Describe project's connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response:

The Governor and Legislature have initiatives and new laws that aim at reducing air pollution and improving air quality. This project will improve water and air quality because vessels and vehicles will not have to idle as long as they wait to get on and off the water. This will decrease emissions greatly and improve water quality.

7. Describe any additional social benefits of implementing this project:

During low water times with the launch being so limited pertaining to how many vessels can launch and load at one time our visitation will decrease because the public doesn't want to wait in line for a long time to launch or load a vessel. This project will allow a smoother traffic flow at the boat launch and make it easier and quicker for people to get on and off the water. This in turn will increase visitation to the park and its revenue during years where water is low.

8. Project plans and details, including rights to work on specified piece of land:

The project area is located within the boundaries of Willard Bay State Park on land owned by the Bureau of Reclamation and managed by Utah State Parks and Recreation. Permits with Bureau of Reclamation are being coordinated with Willard Bay State Park staff.

9. Describe your experience in implementing projects of similar scope and magnitude:

The Division of Parks and Recreation manages 43 state parks in the state of Utah with over 20 having boating access. Utah State Parks is constantly upgrading and maintaining most public boat launches in the state. This is something that is dealt with on a yearly basis both on large and small scale boat launches.

10. Describe how ongoing maintenance of the project will be funded and carried out:

After the project is completed there is not much maintenance needed for the boat launch. If any maintenance is needed it will be carried out by Utah Parks and Recreation.

11. List consultants or agency partners that have participated in project development (below):

The Bureau of Reclamation and Weber Basin Water Conservancy District have been consulted on this project and are supportive of the improvements to the park.

Kerry Schwatz, BOR	302E 1860S Provo, UT 84606	801-379-1150
_____ Name/Company	_____ Address	_____ Phone
Mark Anderson, WBWCD	2837 Utah 193, Layton, UT 84040	(801) 771-1677
_____ Name/Company	_____ Address	_____ Phone

Name/Company

Address

Phone

Signature *[Handwritten Signature]*
Applicant

Date 5/5/14

Signature _____
Co-Applicant (if applicable)

Date _____



195 North 1950 West
PO Box 144870
Salt Lake City, Utah 84114-4870

Willard Bay Project Proposal Form

NOTE: Proposal must be no longer than 6 pages. Supplemental documents such as letters of support, information to demonstrate previous project implementation and other relative supportive documents may be submitted in addition to this form.

Applicant name: Willard Bay State Park

Co-Applicant Name (if applicable):

Project Title: CXT Vault Toilets

Agency or Business Name (if applicable): Division of Parks and Recreation

Mailing Address: 900 West 650 North, #A City: Willard State: Utah Zip: 84340-9999

Phone: (435) 734-9494 Email: daveharris@utah.gov

Individual Non-Profit Govt. Agency Academic Commercial Other

1. Estimated Project Costs:

Labor	<u>240hours @ \$35.94=\$8,625.60 (Provided by Park)</u>
Materials	<u>6 prebuilt CXT restrooms @ \$32,000 a piece</u>
Equipment	_____
Administration	_____
Miscellaneous	<u>\$30,000 (1 ADA accessible parking spot per CXT)</u>
TOTAL	<u>\$230,625.60</u>

Other sources of project funding:

Source: _____ Amount: \$ _____
Source: _____ Amount: \$ _____

Total project cost including other sources of funding: \$ \$230,625.60

(Please include bids for labor, equipment, rentals, etc.)

Rate of \$35.94 was calculated from the average wage for a full-time employee working for State Parks. Hours were estimated from needs to complete the project.

2. Describe the purpose and need of the project:

The purpose for this project is to supply the public with better and more bathroom facilities within Willard Bay State Park. The need is three fold. First, this will supply Willard Bay State Park with a greater number of restroom facilities for our peak season. During peak season the park is extremely busy and the CXT's will allow the public more and closer access to a restroom facility. There are areas that are heavily used and need more facilities. Second, when the weather gets cold the park has to shut down and winterize its other restrooms because of the fear that the water lines will freeze. Consequently, the park has to rent temporary outhouses so the public has access to a restroom. The CXT vault toilets would eliminate the need for renting other restrooms and give the park permanent restroom facilities year round. Third, the additional CXT restrooms will be a great asset when the power goes out or for some reason the sewer system is temporarily down. This will allow the park to stay open instead of having to close it until all the utilities are fixed.

3. Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018):

This project will include two phases. Phase one will include one CXT in Cottonwood campground, one in Willow Creek campground and one at Eagle Beach. Phase one will be completed by fall of 2015. Phase two will consist of an additional CXT to the Cottonwood campground, Willow Creek campground and one at Pelican Beach. Phase two will be completed by fall of 2016.

4. Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project.

Locations for this project vary throughout the north marina of Willard Bay State Park. One would go near Pelican beach, one near Eagle Beach, two in our Cottonwood campground area and two in our Willow Creek campground area. We also have plans for additional facilities to follow.



5. Describe how the project will specifically enhance and protect waterways affected by the Willard Bay diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response:

This project will benefit a variety of factors within Willard Bay State Park. Wildlife will benefit because there will be more restroom facilities which will give the public better opportunities to be close to and use a restroom instead of using the outdoors as a restroom. This will also benefit habitat and natural vegetation in being able to keep contaminants out and keep the natural environment without as much human waste as well. Also, restrooms have garbage cans in them which will give more opportunity for the public to throw their garbage in a garbage can as opposed to throwing garbage on the ground. Water quality will be enhanced because of the same reasons, less people using the outdoors as restroom and more using the facilities. This in turn will result in less waste products getting into the water.

6. Describe project's connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response:

This project is connected on a big scale to all the natural resources around Willard Bay State Park. The beaches, campground's, marina's, group sites and fisherman accesses will all benefit from this project and will aid in enhancing the whole outdoor experience. It will keep the natural vegetation, water, habitat and wildlife as close to the outdoor experience as possible. Willard Bay State Park is in the process of phasing in vault toilets throughout all of Willard Bay north and south marinas. Willard Bay State Park currently has funding for two vault toilets and has applied for grants for three additional facilities right now.

7. Describe any additional social benefits of implementing this project:

Willard Bay State Park is famous for its Christmas and Halloween light shows. These events occur in the cold season when the other restrooms will be shut down. These restrooms will give all visitors to these events and other events a more comfortable and clean environment than a temporary outhouse. These restrooms will save the park funding that it has to use to rent temporary outhouses for the whole cold season. The CXT's will also help save the park funding through reducing maintenance costs.

8. Project plans and details, including rights to work on specified piece of land:

The project area is located within the boundaries of Willard Bay State Park on land owned by the Bureau of Reclamation and managed by Utah State Parks and Recreation. Permits through the Bureau of Reclamation are currently being handled by Willard Bay park staff.

9. Describe your experience in implementing projects of similar scope and magnitude:

Utah State Parks and Recreation runs 43 state parks in Utah. Restroom facilities are essential for an outdoor recreation environment. Willard Bay State Park currently has 13 permanent restroom facilities. These have all been placed and maintained by Parks and Recreation. Restroom facilities are an essential part to any state park and projects of this scope and magnitude are handled on a yearly basis. Willard Bay State Park also manages the Monte Cristo snowmobile complex where there are three CXT's already installed. Willard bay State Park already has experience managing and maintaining these facilities.

10. Describe how ongoing maintenance of the project will be funded and carried out:

Maintenance of this project will be coordinated by Willard Bay State Park's staff and budget.

UTAH DIVISION OF WATER QUALITY

195 North 1950 West
PO Box 144870
Salt Lake City, Utah 84114-4870

Willard Bay Project Proposal Form

NOTE: Proposal must be no longer than 6 pages. Supplemental documents such as letters of support, information to demonstrate previous project implementation and other relative supportive documents may be submitted in addition to this form.

Applicant name: Willard Bay State Park

Co-Applicant Name (if applicable):

Project Title: Concessionaire Building

Agency or Business Name (if applicable): Division of Parks and Recreation

Mailing Address: 900 West 650 North, #A City: Willard State: Utah Zip: 84340-9999

Phone: (435) 734-9494 Email: daveharris@utah.gov

Individual Non-Profit Govt. Agency Academic Commercial Other

1. Estimated Project Costs:

Table with 2 columns: Item, Amount. Rows include Labor (\$35,000), Materials (\$32,020), Equipment Building (\$300,000), and TOTAL (\$402,943.24).

Other sources of project funding:

Source: Amount:
Source: Amount:

Total project cost including other sources of funding: \$ 402,943.24

2. Describe the purpose and need of the project:

Willard Bay State Park is located close to the major population centers of Northern Utah and is consistently one of the top visited state parks in Utah. For example, in 2012, Willard Bay State Park received 348,534 visitors – the third highest in the state. As visitation increases, current facilities become unable to accommodate sufficiently demand. It also hinders State Parks from completing its mission to “Provide opportunities to improve the quality of life in Utah through parks, programs and employees serving the public”. The Division’s mission statement lists “providing adequate, safe and well maintained facilities”. Having a modern and updated concessionaire facility will assist Willard Bay in complying with and promoting this message to our families that come out to State Parks. A 12’X40’ pre-engineered building will be designed housing our new concessionaire along with ability to sell goods, merchandise, hot food and facilitate 1 restroom.

3. Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018):

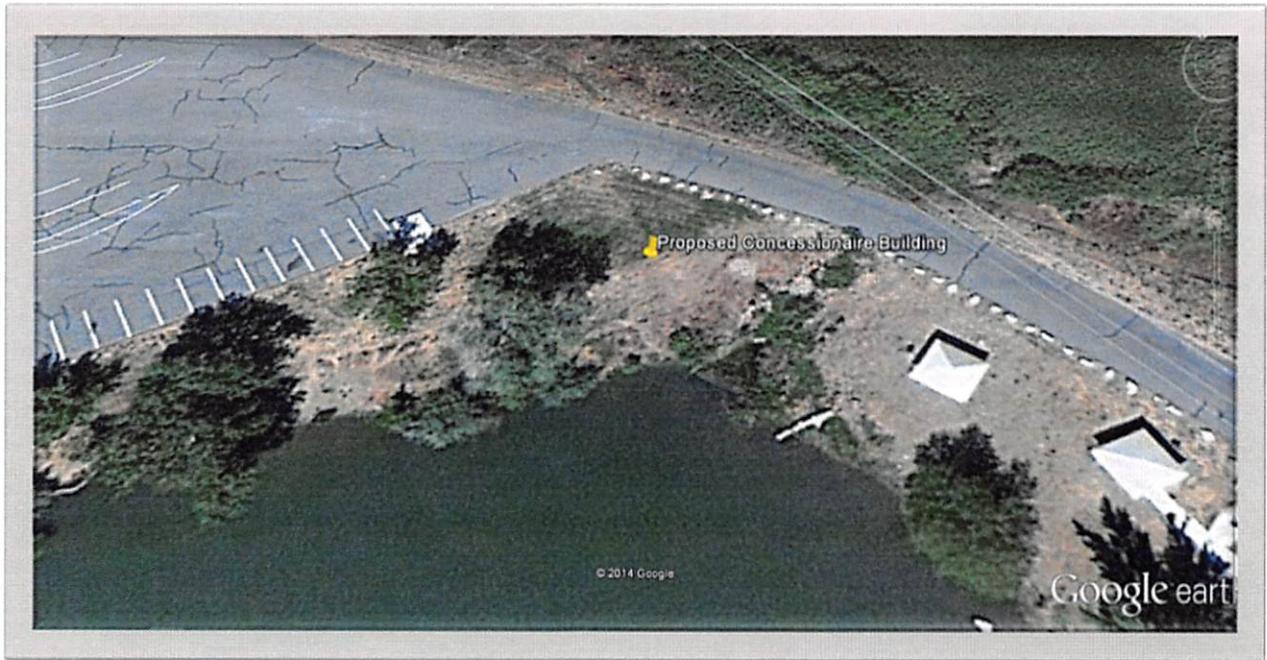
If funded, construction of this project will be put out to bid in the summer-fall of 2014, with construction beginning in spring of 2015. Final installation will occur fall 2015. Time-frame will permit pre-engineered building to be fabricated and delivered along with necessary site-work to be completed. It will also provide us with sufficient time to construct and float courtesy docks into place.

Milestones and anticipated completion dates:

- A. Contract bids solicited – June-August 2014
- B. Contract bids selected – August 2014
- C. Site plans developed – September 2014
- D. Construction begins – April 2015
- E. Construction and installation complete – September 2015

4. Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project.

The proposed concessionaire building will be located at the North Marina of Willard Bay State Park, just east of the boat launch known as Wiper Cove (41°24'33.74"N, 112° 3'4.89"W). This would allow us to place a new pre-engineered structure overlooking the marina. A gangway leading down to courtesy docks will provide a more readily assessable facility for our expanding clientele while leaving less carbon footprints.



5. Describe how the project will specifically enhance and protect waterways affected by the Willard Bay diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response:

Current facilities are deteriorating and outdated. Individuals entering the Park often are unaware of a concessionaire at Willard Bay. Current concessionaires utilize heavy equipment in order to transport rental equipment and fuel out to the Bay. Frequent daily trips are made throughout the summer months. Vegetation has become impacted and continues to be impacted by failing to allow sufficient time for re-growth. Failing to have sufficient re-growth of vegetation has a direct impact on the local wildlife and ecology as food sources become depleted and wildlife must seek other areas otherwise not inhabited by wildlife in order to thrive. It also deters visitors from continued visitation to the Park failing to enhance visitor's experience. This project will not only enhance the visitor's experience, but provide protection for plant and wildlife.

6. Describe project's connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response:

As visitors utilize modern and updated facilities, less "carbon footprints" are being left behind. Visitors will access rental equipment from gangway's and courtesy docks as opposed to beach fronts where vegetation and wildlife make their home. Water quality will become less impacted as heavy machinery will no longer be necessary in order bring fuel to equipment several times a day nor retrieve or launch equipment. By providing individuals with opportunities to recreate with minimal costs to the natural environment, will ensure that continued visitation can be sustained and thrive.

7. Describe any additional social benefits of implementing this project:

Willard Bay State Park is a great success story for the Division of State Parks and Recreation system. The local communities and county rely on the Park and benefit greatly – economically and recreationally. Yet, its potential is much greater. With improvements to the park, visitation will increase, area businesses will flourish, other area attractions will benefit and the Division of State Parks and Recreation will grow.

8. Project plans and details, including rights to work on specified piece of land:

Proper permits and documentation are being coordinated through the park manager and the Division of State Parks and Recreation construction staff. The permit process will follow State and Federal guidelines. In support of Utah Division of State Parks and Recreation's Mission Statement, "Provide opportunities to improve the quality of life in Utah through parks, programs and employees serving the public", the Division's mission statement lists "providing adequate, safe and well maintained facilities". In addition, the Strategic Boating Plan identifies "To provide adequate facilities to meet the needs of boaters and enhance their experiences" as one of its main goals. The proposed project would achieve these goals by ensuring the quality and safety of facilities at Willard Bay State Park's boating access sites.

9. Describe your experience in implementing projects of similar scope and magnitude:

Utah State Parks and Recreation has been directly involved in hundreds of projects, ranging from large to small scale, large to small budgets, and complex to simple construction. Projects include building infrastructure such as restrooms, shops, visitor centers and concession buildings, as well as recreational areas, managing natural resources and facilities.

10. Describe how ongoing maintenance of the project will be funded and carried out:

Once installed, the Division of Parks and Recreation will be responsible for future routine maintenance through Willard Bay State Parks annual budget.

11. List consultants or agency partners that have participated in project development (below):

The Bureau of Reclamation and Weber Basin Water Conservancy District have been consulted on this project and are supportive of the improvements to the park.

Kerry Schwatz, BOR	302E 1860S Provo, UT 84606	801-379-1150
_____ Name/Company	_____ Address	_____ Phone
Mark Anderson, WBWCD	2837 Utah 193, Layton, UT 84040	(801) 771-1677
_____ Name/Company	_____ Address	_____ Phone
_____ Name/Company	_____ Address	_____ Phone

Signature  _____ Date 5/5/14

Applicant

Signature _____ Date _____

Co-Applicant (if applicable)

UTAH DIVISION OF WATER QUALITY

195 North 1950 West

PO Box 144870

Salt Lake City, Utah 84114-4870

Willard Bay Project Proposal Form

NOTE: Proposal must be no longer than 6 pages. Supplemental documents such as letters of support, information to demonstrate previous project implementation and other relative supportive documents may be submitted in addition to this form.

Applicant Name: Willard Bay State Park

Co-Applicant Name(s) (if applicable):

Project Title: Pavilions for Willow and South Marina Campgrounds

Agency or Business Name (if applicable): Utah State Parks

Mailing Address: 900 West 650 North City: Willard State: UT Zip: 84340

Phone: (435) 734 - 9494 E-mail: daveharris@utah.gov

Individual Non-Profit Govt. Agency Academic Commercial Other

1. Estimated Project Costs:

Labor	<u>\$24,500</u>
Materials	<u>\$428,750</u> (49 pavilions @\$4,500 ea w/ \$3,500 ea. concrete, 1 lrg pavilion @\$25,500 w/ \$24,000 concrete)
Equipment	<u>\$0</u>
Administration	<u>\$0</u>
Miscellaneous	<u>\$0</u>
TOTAL	<u>\$453,250</u>

Other sources of project funding:

Source:	Amount: \$	Source:	Amount: \$
Source:	Amount: \$	Source:	Amount: \$
Source:	Amount: \$	Source:	Amount: \$

Total project cost including other sources of funding: \$ _____
(please include bids for labor, equipment, rentals, etc.)

2. Describe the purpose and need of the project:

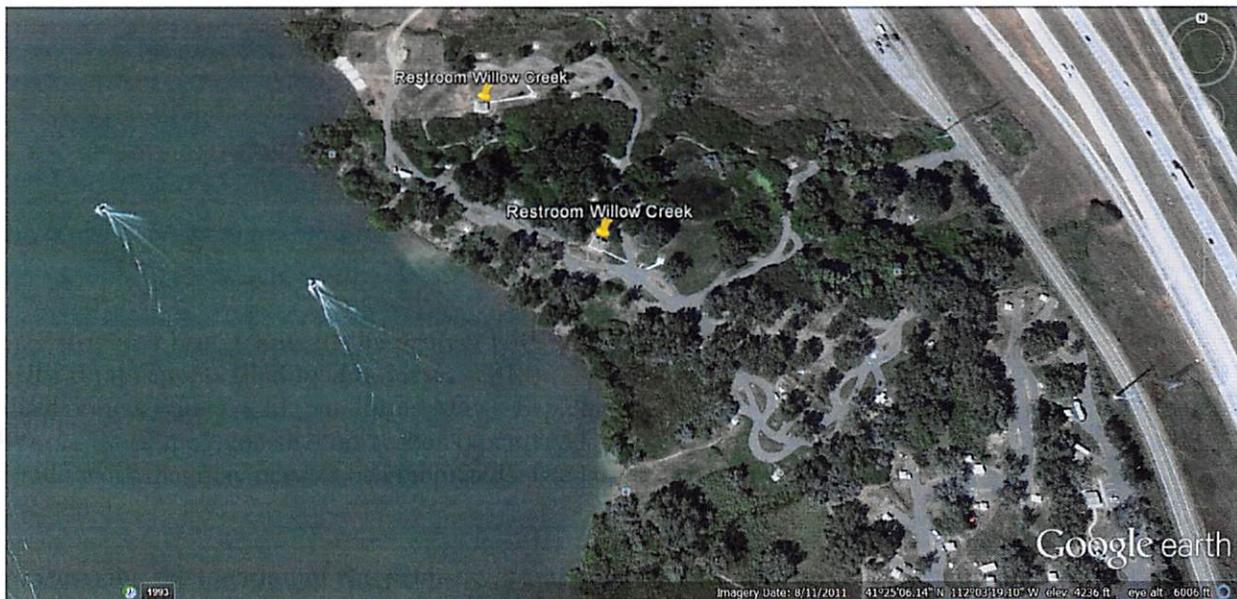
Willard Bay State Park lacks pavilions at both the Willow Creek Campgrounds and the South Marina Campgrounds. This basic amenity is needed, especially in the rainy season and the hot summer season, not only to enhance the visitor experience, but to provide basic shelter – an expectation most park visitors expect.

3. Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018):

This project will be built out during May – September 2015 and May – September 2016. Approximately two 12'X 12' polygon shelters (cabana) per day can be erected. This is contingent upon weather and grade work that may need to be completed. The larger 24' X 44' polygon shelter (Pavilion) can be erected in 4-6 days.

4. Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project:

Thirty-Nine of the polygon shelter (cabanas) 12'X12' will be located at the Willow Creek Campgrounds located at the North Marina of Willard Bay State Park. (Lat: 41°25'7.38"N, Long: 112° 3'17.69"W)



The remaining ten (cabanas) 12'X12' including the larger pavilion 24'X44' will be located at the South Marina Campgrounds of Willard Bay State Park. (Lat: 41°21'9.12"N, Long: 112° 4'39.84"W)



5. Describe how the project will specifically enhance and protect waterways affected by the Willard Bay diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response:

Providing pavilions deters the visitor from utilizing the fields, beach area, and other park areas that wildlife and plant habitat rely on. Visitors tend to stay in a specific “gathering place” if one is provided. This project will not only enhance the visitor’s experience, but provide protection for plants and wildlife.

6. Describe project’s connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response:

As visitors gather at these shelters, there is a decreased impact on the habitat. This will allow the visitors to enjoy the park while participating in a “Leave No Trace” practice.

7. Describe any additional social benefits of implementing this project:

Willard Bay State Park is a great success story for the Division of State Parks and Recreation system. The local communities and county rely on the Park and benefit greatly – economically and recreationally. Yet, its potential is much greater. With improvements to the park, visitation will increase, area businesses will flourish, other area attractions will benefit and the Division of State Parks and Recreation will grow.

8. Project plans and details, including rights to work on specified piece of land:

The area is completely inside of the Willard Bay State Park boundaries and within the management responsibilities of park management. Environmental impacts are being approved through the B.O.R.

9. Describe your experience in implementing projects of similar scope and magnitude:

State Parks has been directly involved in hundreds of projects ranging from large to small scale, large to small budgets and complex to simple construction. Projects include building infrastructure such as restrooms, shops, visitor’s centers and concession buildings, as well as recreational areas, managing natural resources and facilities including the campgrounds where the pavilions will be located.

10. Describe how ongoing maintenance of the project will be funded and carried out:

Once installed, the Division of Parks and Recreation will be responsible for future routine maintenance.

11. List consultants or agency partners that have participated in project development (below):

The Bureau of Reclamation and Weber Basin Water Conservancy District have been consulted on this project and are supportive of the improvements to the park.

Kerry Schwatz, BOR 302E 1860S Provo, UT 84606 801-379-1150
Name/Company: Address: Phone:

Mark Anderson, WBWCD 2837 Utah 193, Layton, UT 84040 (801) 771-1677
Name/Company: Address: Phone:

Name/Company: Address: Phone:

Signature  Date 5/5/14
Applicant

Signature _____ Date _____
Co-Applicant (if applicable)



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Parks and Recreation

FRED HAYES
Division Director

Dear Mr. Whitehead,

It has been a pleasure working with you, Director Walt Baker and your staff during the response, clean up and penalty phases of the Willard Bay Diesel Spill incident. The dedication and professionalism of DWQ staff has been exceptional. We realize that you are not staffed to handle the extra work associated with emergency situations and the extra time and effort everyone put into this incident has been greatly appreciated. Because of your efforts, we are confident that the park is clean, ready for the recreating public and in better shape than before the incident.

We are looking forward to working with you and your agency through the next phase of this project. We anticipate that the Supplemental Environmental Projects that are approved, whether submitted by Utah State Parks or others interested in the Willard Bay area, will greatly enhance environmental and recreational opportunities around Willard Bay.

Below you will find a list of proposals that Utah State Parks is submitting as Supplemental Environmental Projects. It is prioritized in order of overall importance to the operations of Willard Bay State Park. Each of the listed projects is very important to the park, so we don't want the list to limit the ability of the panel approving the projects, but thought it may be helpful for them to know our thoughts on priority. We would be happy to receive approval for any or all of the projects, regardless of the listed priority!

If the amount of funding does not allow for the full funding of projects submitted, there is flexibility to "phase" several of the projects we have submitted. If not fully funded with mitigation funds, we could seek other funding for projects with the potential for "phasing". These include; North and South Marina Dredging, CXT Vault Toilets around park, Park Restroom Refurbishing and Pavilions for Willow and South Marina Campgrounds.

Included on the list are several other projects put forward by the Division of Wildlife Resources. We support those projects and believe they too would provide great benefits to the recreating public.

Utah State Parks Submitted Projects

- 1) Willard Bay Entrance Station / Office
- 2) Willard Bay Marina Dredging
- 3) Permanent AIS Decontamination Station to Prevent Quagga Mussel Infestation
- 4) South Marina Courtesy Dock
- 5) Willard Bay Maintenance area paving
- 6) Boat launch extension, North Marina
- 7) CXT Vault Toilets around park
- 8) Park Restroom Facility Refurbishing
- 9) Concessionaire Building
- 10) Pavilions for Willow and South Marina Campgrounds

Utah Wildlife Resources Submitted Projects

- *Angler Access Enhancements at South Marina and Airboat Access Area
- *North Marina ADA fishing access Pier
- *Wiper stocking and research

Let us know if you need any additional information and thanks again for all your help.

Jeff Rasmussen
Utah State Parks

