AGENDA

PARADISE IRRIGATION DISTRICT
PARADISE LAKE RECREATION COMMITTEE
6332 CLARK ROAD, PARADISE, CA 95969

TUESDAY, SEPTEMBER 19, 2017 ~ 9:00 AM

The Board of Directors is committed to making its meetings accessible to all citizens. Any persons requiring a special accommodation to participate, is requested to contact the District Secretary at 530-877-4971, extension 2039 at least 48 hours in advance of the meeting.

MEMBERS:
Directors Marc Sulik and Bill Kellogg (Chairperson)
Lake Patrol – Greg Dobbs
Staff Members – Kevin Phillips, Jim Passanisi
Sierra Pacific Industries – Kieran O’Leary
Upper Ridge Coordinating Council – Darrell Wilson
Paradise Recreation and Park District Representative – Steve Rodowick
Public Members – Roland Resendez, David Bermann, Sharon (Sue) Porter

1. Call to Order
   a. Invocation
   b. Pledge of Allegiance

2. Public Participation
   This is the time for members of the audience to present items not on the Agenda. No action can be taken on these items, but they may be placed on future agendas for consideration. Comments should be limited to a maximum of five minutes duration. If more time is needed, communication may be put in writing to committee members or placed on the agenda for a future committee meeting.

3. Project Updates – Informational items.
   a. Cooperative GIS Mapping Project between Paradise Irrigation District, Butte County Fire Safe Council and Butte County Resource Conservation District (Kevin Phillips)
   b. Kid’s Fishing Day Video (Cedar Creek)
   c. Ad Hoc Committee (Kevin Phillips): Discuss establishing an Ad Hoc Committee to review information from Legal Counsel and the Department of Boating and Waterways (DBW) concerning conditions outlined in the Grant Agreement between PID and DBW for the North Lake Boat Launch Facility Project.
   d. North Lake Boat Launch Facility Project (Kevin Phillips): Draft request to the Department of Boating and Waterways to relocate project location and move forward with a new planning concept.
   e. Construction projects at Paradise Lake (Greg Dobbs)
   f. Signage for loose gravel areas around Paradise Lake (Greg Dobbs)
   g. Discussion of the completed shaded fuel removal maintenance projects (Greg Dobbs / Director Sulik)
   h. Paradise Lake Recreation Activity and Project(s) Report (Greg Dobbs)
   i. Public Information Display (Greg Dobbs)
   j. 2017 Permit Sales and Lake Activity (Greg Dobbs)
4. Kid’s Fishing Day: Update on Board decision regarding proposal to expand the existing annual raffle fundraising program for Kid’s Fishing Day to twice a year (Kevin Phillips).

5. Considerations for developing a program for use of unmanned aircraft systems over PID property (David Bermann / PID Staff).

6. Consider Establishing Future Meeting Date

7. Adjournment
PARADISE IRRIGATION DISTRICT

“Paradise Irrigation District (PID) is dedicated to the business of producing and delivering a safe, dependable supply of quality water in an efficient, cost effective manner with service that meets or exceeds the expectation of our customers.”

Please consider how this agenda item relates to our mission.

TO: Board of Directors
FROM: Kevin Phillips, Interim District Manager
Jim Passanisi, Treatment Superintendent

DATE: August 16, 2017
RE: Division of Boating & Waterways – Request to Relocate the Grant Funded Boat Launch Facility to Boat Launch Ramp No. 1, and Move Forward with the Planning Concept

The Division of Boating and Waterways (DBW) has reviewed the attached letter requesting the following:

1. Relocate the North Lake Boat Launch (BLF) from the current location at the District’s Boat Launch No. 2 to the existing Boat Launch Ramp No. 1, and

2. Allow the District to move forward with the BLF improvement concept depicted in the Planning Exhibit (see attachment).

Originally, the District received a $670,000 grant for the North Lake Boat Launching Facility (BLF) from the State of California Natural Resources Agency; Department of Parks and Recreation, Division of Boating and Waterways (DBW). The District executed a Grant Agreement on June 3, 2015 for the Project at Boat Launch No. 2.

Requests for Proposal to construct the BLF at Boat Launch No. 2 were solicited to design consultants and construction companies. The results of the bidding indicated that the non-reimbursable costs were much greater than expected and moving forward with the grant funded project at Boat Launch No. 2 was too costly. Staff asked the DBW staff to consider an alternative site and move the project to Boat Launch Ramp No. 1.

The change in location is more practical because this is the regularly used launch site at the lake, and a less costly BLF grant funded project. The District has already acquired the land (3 acres) from Sierra Pacific Industries (SPI) for an expanded and District owned parking area (30 spaces), completed the land surveying, and secured a road easement. Examples of cost reductions include the following:

1. The bid cost to construct the paved access road (1,300 feet) to Boat Launch No. 2 was $340,795. The estimated cost for the paved access road to Launch Ramp No. 1 (300 Feet) is $25,000.
2. The cost for the SPI access road easement to Boat launch No. 2 was $50,000. The easement for the access road to Boat Launch Ramp No. 1 was included in the $50,000 purchase of the land from SPI.

3. The Boat Launch No. 2 site did not have adequate parking area (14 spaces), so an additional easement adjacent to the site was needed along with additional non-reimbursable construction costs for easement improvements.

District staff is in agreement with the Planning Exhibit (drawing), and the Probable Construction Cost Details prepared by the DBW staff that represent the general concept and estimated grant funded cost for the proposed BLF.

The District understands that there will be non-reimbursable project costs that include the following:

1. California Environmental Quality Act documents (CEQA);
2. Paved road at the south end of Northlake Road to the BLF parking area;
3. Clearing and rough grading of the land designated for parking; and
4. Potential engineering costs above the DBW grant funded limits, unless they are justifiable unforeseen costs.

The final Board actions needed to construct the grant funded BLF improvements occur when the CEQA document is completed and the Board considers the award of a construction contract.

The following motion is recommended:

"I move approval to authorize the Interim District Manager to send the formal request to the Division of Boating and Waterways to relocate the grant funded site and move forward with the project as generally depicted in the Planning Exhibit."
August 17, 2017

Leo LaMattina, Project Manager  
Boating Facilities Development and Financing Unit  
Department of Parks and Recreation  
Division of Boating and Waterways  
One Capitol Mall, Suite 500  
Sacramento, CA 95814

RE: Request to Relocate Project Location and Move Forward with a New Planning Concept - Contract C4123010, North Lake Boat Launch Project 1083

Dear Mr. LaMattina:

The Paradise Irrigation District (District) requests that the Division of Boating and Waterways (DBW) consider the following:

1. Relocate the North Lake Boat Launch (BLF) site from the current location at the Boat Launch No. 2 to Boat Launch Ramp No. 1, and

2. Move forward with the BLF improvement concept depicted in the Planning Exhibit.

The change in location is more practical because this is the regularly used launch site at the lake, and a less costly BLF grant funded project. The District has already acquired the land (3 acres) from Sierra Pacific Industries (SPI) for an expanded and District owned parking area (30 spaces), completed the land surveying, and secured an access road easement. Examples of cost reductions include the following:

1. The bid cost to construct the paved access road (1,300 feet) to Boat Launch No. 2 was $340,795. The estimated cost for the paved access road to Launch Ramp No. 1 (300 Feet) is $25,000.

2. The cost for the SPI access road easement to Boat launch No. 2 was $50,000. The easement for the access road to Boat Launch Ramp No. 1 was included in the $50,000 purchase of the land from SPI.
3. The Boat Launch No. 2 site did not have adequate parking area (14 spaces), so an additional easement adjacent to the site was needed along with additional non-reimbursable construction costs for easement improvements.

The District is in agreement with the Planning Exhibit (drawing), and the Probable Construction Cost Details prepared by the DBW staff that represent the general concept and estimated grant funded cost for the proposed BLF.

The District understands that there will be non-reimbursable project costs that include the following:

1. California Environmental Quality Act documents (CEQA);
2. Paved access road at the south end of Northlake Road to the BLF parking area;
3. Clearing and rough grading of the land designated for parking; and
4. Potential engineering costs above the DBW grant funded limits, unless they are justifiable unforeseen costs.

Thank you for considering the District’s request. Should you have any questions, please contact Jim Passanisi at 530-876-2067, or at jpassanisi@paradiseirrigation.com.

Sincerely,

Kevin Phillips
Interim District Manager

Attachments:
Planning Exhibit
Probable Construction Cost Details
### PROBABLE CONSTRUCTION COST DETAILS

**UNIT:** Engineering  
**ESTIMATE DATE:** 7/20/2017  
**PROJECT:** Lake Paradise BLF  
**LOCATION:** Paradise, CA  
**FUNDING:** Local Assistance Grant  
**PREPARED BY:** waller  
**BUILDING SQ FT:** na  
**CONST. DURATION:** na

<table>
<thead>
<tr>
<th>CSI</th>
<th>ITEM DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
<th>UNIT COST</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mobilization</td>
<td>LS</td>
<td>1</td>
<td>$25,000.00</td>
<td>$25,000</td>
</tr>
<tr>
<td></td>
<td>DEMO</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grading</td>
<td>SF</td>
<td>50,000</td>
<td>na</td>
<td>na</td>
</tr>
<tr>
<td></td>
<td>tree removal</td>
<td>LS</td>
<td>1</td>
<td>na</td>
<td>na</td>
</tr>
<tr>
<td></td>
<td>NEW WORK</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3&quot; HMA over 4&quot; AB</td>
<td>SF</td>
<td>44,000</td>
<td>$4.00</td>
<td>$176,000</td>
</tr>
<tr>
<td></td>
<td>6&quot; Concrete over 6&quot; AB</td>
<td>SF</td>
<td>1,500</td>
<td>$15.00</td>
<td>$22,500</td>
</tr>
<tr>
<td></td>
<td>Cast-in-place boat ramp - 6&quot; thick Concrete</td>
<td>SF</td>
<td>2,280</td>
<td>$20.00</td>
<td>$45,600</td>
</tr>
<tr>
<td></td>
<td>Push slab boat ramp - 8&quot; thick concrete</td>
<td>SF</td>
<td>1,200</td>
<td>$25.00</td>
<td>$30,000</td>
</tr>
<tr>
<td></td>
<td>Riprap</td>
<td>CY</td>
<td>100</td>
<td>$150.00</td>
<td>$15,000</td>
</tr>
<tr>
<td></td>
<td>Boarding Float</td>
<td>SF</td>
<td>480</td>
<td>$100.00</td>
<td>$48,000</td>
</tr>
<tr>
<td></td>
<td>Concrete Credit Sign</td>
<td>LS</td>
<td>1</td>
<td>$8,000.00</td>
<td>$8,000</td>
</tr>
<tr>
<td></td>
<td>Parking lot Striping</td>
<td>LS</td>
<td>1</td>
<td>$5,000.00</td>
<td>$5,000</td>
</tr>
<tr>
<td></td>
<td>Solar Light</td>
<td>EA</td>
<td>1</td>
<td>$12,000.00</td>
<td>$12,000</td>
</tr>
</tbody>
</table>

**SUBTOTAL, Hard Costs**  
$387,100

**General Conditions**  
$387,100

**Subtotal**  
$387,100

**Subtotal PW Contract**  
$387,100

**Construction Contingency**  
$387,100

**ESTIMATED CURRENT COST**  
$387,100

**Non Construction Costs**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contingency (10%)</td>
<td>$38,710</td>
</tr>
<tr>
<td>Escalation 2 yrs (6.2%)</td>
<td>$24,000</td>
</tr>
<tr>
<td>Engineering (12%)</td>
<td>$46,452</td>
</tr>
<tr>
<td>Inspection (5%)</td>
<td>$19,355</td>
</tr>
<tr>
<td>Permits (3%)</td>
<td>$11,613</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$140,130</strong></td>
</tr>
</tbody>
</table>

**Total Construction & Non-construction**  
$527,230

Current Grant = $670,000
<table>
<thead>
<tr>
<th></th>
<th>Recreation</th>
<th></th>
<th>Boating</th>
<th></th>
<th></th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Annual</td>
<td>Daily</td>
<td>Season</td>
<td>Daily</td>
<td></td>
<td></td>
</tr>
<tr>
<td>January</td>
<td>64 $965.00</td>
<td>158 $472.71</td>
<td>49 $1,960.00</td>
<td>13 $133.00</td>
<td>$3,530.71</td>
<td></td>
</tr>
<tr>
<td>February</td>
<td>28 $420.00</td>
<td>88 $263.05</td>
<td>28 $1,100.00</td>
<td>7 $70.00</td>
<td>$1,853.05</td>
<td></td>
</tr>
<tr>
<td>March</td>
<td>31 $465.00</td>
<td>342 $1,026.43</td>
<td>67 $2,660.00</td>
<td>30 $300.00</td>
<td>$4,451.43</td>
<td></td>
</tr>
<tr>
<td>April</td>
<td>34 $505.00</td>
<td>280 $840.94</td>
<td>86 $3,420.00</td>
<td>26 $255.00</td>
<td>$5,020.94</td>
<td></td>
</tr>
<tr>
<td>May</td>
<td>49 $730.00</td>
<td>602 $1,806.13</td>
<td>134 $5,360.00</td>
<td>112 $1,115.00</td>
<td>$9,011.13</td>
<td></td>
</tr>
<tr>
<td>June</td>
<td>37 $552.15</td>
<td>351 $1,052.15</td>
<td>59 $2,340.00</td>
<td>97 $970.00</td>
<td>$4,914.30</td>
<td></td>
</tr>
<tr>
<td>July</td>
<td>16 $235.00</td>
<td>417 $1,249.54</td>
<td>44 $1,760.00</td>
<td>82 $820.00</td>
<td>$4,064.54</td>
<td></td>
</tr>
<tr>
<td>August</td>
<td>21 $310.00</td>
<td>373 $1,118.14</td>
<td>17 $660.00</td>
<td>140 $1,395.00</td>
<td>$3,483.14</td>
<td></td>
</tr>
<tr>
<td>September</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>October</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>November</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>December</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Totals</td>
<td>279 $4,182.15</td>
<td>2,610 $7,829.09</td>
<td>482 $19,260.00</td>
<td>506 $5,058.00</td>
<td>$36,329.24</td>
<td></td>
</tr>
</tbody>
</table>
TO:        Board of Directors
FROM:      Kevin Phillips, Interim District Manager
           Jim Passanisi, Treatment Superintendent
DATE:      August 16, 2017
RE:        Paradise Lake Recreation Committee Proposal to Expand Kid’s Fishing Day Fundraising – Annual Fall Sporting Goods Raffle
           Regular Board Meeting 8-16-2017

Last year, during the Kid’s Fishing Day (KFD) planning meetings, the topic came up regarding additional ways to raise money for the event. At the August 9th Paradise Lake Recreation Committee meeting, members discussed a fundraising idea proposed by Greg Dobbs, Senior Lake Patrol Officer, which is a fall raffle event.

The KFD planning already incorporates this method of fundraising in the spring, just prior to the event. The raffle limits the number of tickets sold to 150 @ $10 each, raising $1,500. The cost for the raffle item, a shotgun, was $475; therefore, the net revenue was $1,025. The Fins, Furs and Feathers Sports Company assisted the District with the purchase of the item and selling the raffle tickets at their store. Other items raffled last spring included a donated bike and kayak, and a “Fishing Day on the Lake” before the lake reopens after the annual trout stocking.

In order to maximize the benefit of a fall raffle, planning would start in the summer to ensure that the raffle could be publicized during the District’s participation at the Party in the Park events and Johnny Appleseed Days. The development of a flyer, poster, and press release could be used to promote the raffle.

A portion of proceeds from the raffle reimburses the cost for the sporting goods item, and the remaining amount is the District’s revenue as described above. Only minimal staff time and assistance from a sporting goods company are needed to implement the proposed fall raffle.

Requested Action:

Authorize the Interim District Manager to expand the existing annual sporting goods raffle fundraising program for Kid’s Fishing Day to twice a year.

Please consider how this agenda item relates to our mission.
An increasing number of people purchase and fly personal size Unmanned Aircraft Systems (UAS), also called drones or quad-copters, for recreational and commercial use. Commercial purposes might include surveying or photography services, or inspection of real estate. The use of UAS has at times been abused when they have flown over or into private property, invading the privacy of individuals or groups. One way or another, their use is rapidly increasing.

Whether flying for recreation or work purposes, the Federal Aviation Agency has developed specific rules for use of UAS. The rules vary, based on the purpose "fly for fun" or "fly for work", and include aircraft requirements, operational requirements, and who can fly them. Following is a summary of those rules taken from <https://www.faa.gov/uas/getting_started/>:

**Pilot Requirements**
Fly for Fun: No pilot requirements
Fly for Work: Must have Remote Pilot Airman Certificate, be at least 16 years old and pass TSA vetting.

**Aircraft Requirements**
Fly for Fun: Unless under special model aircraft rules, aircraft must be registered if over 0.55 pounds
Fly for Work: Must be less than 55 pounds, registered if over 0.55 pounds, have pre-flight check to ensure aircraft is in condition for safe operation

**Location Requirements**
Fly for Fun: No flying within 5 miles of an airport without prior notification to airport/air traffic control
Fly for Work: Class G Airspace (uncontrolled airspace from ground level up to next Class of airspace which typically requires some sort of FAA flight rules such as IFR or VFR)

**Operating Rules**
Fly for Fun: Must yield right of way to manned aircraft, keep aircraft in visual line of sight, be under 55 pounds, follow community-based safety guidelines, notify airport/air traffic control if flying within 5 miles of airport
Fly for Work: Must be in visual line of sight, fly under 400 feet above ground, fly during the day, fly at or below 100 mph, yield right of way to manned aircraft, must NOT fly over people or from a moving vehicle

**Recommendation**
As more and more drones are being used to fly recreationally, capturing videos and photos of public and private property, it is likely that the use of UAS will increase over areas such as Paradise Lake, already being used by the public for outdoor recreation. I recommend that PID pursue and adopt a set of "Rules for Use of Unmanned Aircraft Systems" for flights over the lake or other District property for Fun or Work, other than those hired or commissioned by PID to survey or photograph the lake for official District operational purposes.