



# R & E Grant Application 13 Biennium

**Project #:  
13-093**

## *Eastern Region Liberation Truck*

### ***Project Information***

**R&E Project Request:** \$145,475.00  
**Match Funding:** \$5,000.00  
**Total Project:** \$150,475.00  
**Start Date:** 9/1/2014  
**End Date:** 12/1/2014  
**Project Email:** Kurt.W.Cundiff@state.or.us  
**Project Biennium:** 13 Biennium  
**Organization:** ODFW- Eastern Region - Bend Office

### ***Applicant Information***

**Name:** Kurt Cundiff  
**Address:** 61374 Parrell RD.  
 Bend, OR 97702  
**Telephone:** 541-388-6363 x236  
**Telephone 2:** 541-771-2869  
**Fax:** 541-388-6281  
**Email:** Kurt.W.Cundiff@state.or.us

### ***Past Recommended or Completed Projects***

Number	Name	Status
05-127	Fall River Hatchery Trout Liberation Truck	Completed
07-066	Wizard Falls Hatchery Trout Liberation Truck	Completed
07-124	High Desert Winter Survey Equipment	Completed
09-002	2009 Little Deschutes River Boat Launch Project	Completed
09-272	Electrofishing raft - Deschutes redband monitoring	Completed
09-271	Camp Sherman Hatchery Property Enhancement	Completed
11-093	Pressure Washer for Desert Region Lib Trucks	Approved
11-092	Marker Buoys for Deschutes Lake Fishing Boundaries	Approved
13-074	Camp Sherman Hatchery Property Enhancement	Recommended

### ***Project Summary***

This project is part of ODFW's 25 Year Angling Plan.

**Activity Type:** Liberation - ODFW

**Summary:** We seek to replace the East Region's large fish liberation truck (Unit 100). This truck was built in 1990 as a tractor/trailer set up with a 2800 gallon tank. The tank

was built to haul fingerlings and legal (3 f/lb.) fish. The discharge outlet is 6 inches which prevents the release of larger fish. This truck has been a maintenance challenge from the beginning with routine servicing problems and break downs. The Unit 100 truck has been serviced this year for: trailer brakes, 6 broken belts, drive axle flange and gasket and air bags on the trailer suspension. The truck is also in need of new tires at a cost of over \$6,000. Thus far during the 2014 lib season, the truck has been to the repair shop 6 times for a total of over \$2,500 and 15 days. Consequently, loads and trips had to be shuffled around.

**Objectives:** The East Region liberation program seeks to more efficiently implement the Department's fish stocking goals and the 25 Year Angling Enhancement Plan. Many of the Region's more popular trout fisheries are dependent upon annual liberations of hatchery trout. Coordinating and implementing stocking schedules is increasingly problematic with Region's primary liberation truck regularly in need of servicing. Anglers are increasingly requesting larger fish to be a part of the Department's hatchery stocking program. Changing fish culture practices and an increase in illegal fish introductions, has led to the Department stocking larger fish. The current truck's 6" discharge pipe is not capable transporting larger fish (greater than 10"). The liberation program requests purchase of a new truck that will meet current and future needs.

**Fishery Benefits:** The benefits to the recreational fisherman would be fish that are stocked safer and faster, with a fish liberation unit designed to haul bigger fish. Currently, with our smaller capacity truck, we have to make multiple trips for a single stocking allocation. With a larger capacity truck we could stock a full allocation in one trip. This would be more time and cost effective, especially since some of our fish hauls are over 300 miles (for example, Klamath hatchery to Mann Lake or Fall River hatchery to Owyhee R.).

**Watershed Benefits:** This new truck will benefit the watershed by providing larger hauls of fish and hauling bigger fish (trophies etc). This means fewer stocking trips, which is cost effective for the Department, as well as less stress of fish in overcrowded hauls. This truck will also require a B CDL, and not a class A CDL, which means more certified drivers would be available to operate this truck. Currently they are only three region A CDL drivers, but many of the hatcheries have B CDL drivers. The new truck would be shared by the region and the hatcheries.

**Current Situation:** The current tractor and tanker liberation truck was built in 1990 and designed to haul fingerling fish. The truck has presented maintenance and servicing issues for years. It continues to break down and is getting old and outdated. The current tractor tanker design calls for a class "A" CDL that is only held by a few drivers in the region. Most drivers have a class "B" CDL that will not allow them to use this unit. The tank for this truck was also built in 1990 and was designed to haul fingerlings and legal size fish 3 to the pound. We cannot haul fish any bigger because they cannot get out of the truck due to a 6" discharge pipe. The tank is also developing problems. Seams were recently in need of welding to repair leaks. The current truck is only available for use by drivers with a class A CDL license. The new truck and tank will be available for any driver with ANY CDL to drive and

will be able to haul any size fish.

**Alternatives:**

The alternatives that we considered were:

1. Keep the unit as is and just keep putting good money into a bad truck.
2. Keep the truck and get a flat bed and tank made for this truck, but again it came down to putting a lot of money into a truck that just does not work well for this design.
3. Get a new truck and tilt bed made and try to fit our tank on it. This would cost about 10,000.00 to re fit our old tank on a flat bed and we still could not haul fish bigger than 3 to the pound "Legal" fish.
4. The last option we came up with was to re do it all and make a truck and tank that will serve the current and future needs of ODFW.

**Designer:** Kurt Cundiff, High Desert Region Services Coordinator along with some help from Philip McKee, Wizard falls and Fall River Hatchery manager. Brett Hodgson, Deschutes District fish Bio.

**Methods:** The procedures went through were:

1. The old truck is not reliable, and is no longer cost effective to operate.
2. The old truck is becoming a safety concern. We had a problem with the brakes just after it came out of the shop from its safety inspection.
3. Fish Liberation staff, District fish Bio's and High Desert Regional managers met and discussed options. (Kurt Cundiff, Chip Dale and Bob Hooton .)
4. It was decided that getting a new flatbed truck and tank would allow us to keep up with current production needs.
5. The Fish Liberation manager solicited bids for the equipment.
6. Restoration and Enhancement grant submitted

**Inspector:** Kurt Cundiff, High Desert Region Services Coordinator and Philip McKee, Fall River and Wizard Falls Hatchery Manager.

**Funding Elements:** R&E funds will be used to offset the costs of the truck tank and tilt bed.

**Partners:** Yes

ODFW has one Volunteer hosts at Fall River Hatchery who spent about 300 hours Working on their new fish liberation truck. The Fall River Hatchery and wizard Falls Hatchery Manager and I have estimated the time necessary for planning and Fabrication of the truck. The Hatchery Manager will spend about 80 hours working on the planning and fabrication. In addition the High Desert Region Fish Liberation Coordinator will spend about 100 hours working on the truck. This work will entail Writing the grant, getting bids, awarding bids and some other time spent on Planning and fabrication.

**Existing Plan:** No

**Affected Contacted:** Yes

**Affected Supportive:** Yes

**Affected Comments:** The High Desert Region Services Coordinator has talked with Lyle Curtis and John Schmitz Oak Springs manager and assistant manager. Jack Palmer and Shaun Montgomery Round Butte Hatchery manager and assistant manager. Phil McKee and Doug Curtis Wizard falls Hatchery manager and assistant manager. Greg Lipsiea and Gayle Mitchell manager and Hatchery truck driver.

***Project Schedule/Participants/Funding***

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This project has no Schedule/Participants/Funding.

**Affected Species:** Brook Trout  
Brown Trout  
Chinook Salmon  
Kokanee  
Rainbow Trout  
Steelhead

***Project Permits***

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This project has no permits.

***Project Monitoring***

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Organization	Address	Activity	Frequency
ODFW	61374 Parrell Rd Bend, OR 97702	Monitoring the truck to keep in top performance.	After each trip.

***Project Maintenance***

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Organization	Address	Activity	Frequency
ODFW	61374 Parrell RD Bend, OR 97702	Maintenance	Before each trip out.

**Project Match Funding**

Funding Source	Cash	In-Kind	Other	Description	Total	Secured?	Conditions?	Comments
R&E Request	\$142,975.00	\$0.00	\$0.00	Truck	\$142,975.00	No	No	
Trade in Value of old truck & trailer.	\$0.00	\$0.00	\$7,500.00		\$7,500.00	No	No	
				Total Match Funding:	\$150,475.00			

## Project Budget

Item	Item Type	Units	Unit Cost	R&E Funds	Match Funds	Total
Tank put on new truck.	Equipment	1	\$4,000.00	\$4,000.00	\$0.00	\$4,000.00
Tilt bed for truck	Equipment	1	\$25,000.00	\$25,000.00	\$0.00	\$25,000.00
Truck	Equipment	1	\$121,475.00	\$116,475.00	\$5,000.00	\$121,475.00
					Total Budget:	\$150,475.00

## Project Map

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## Additional Files

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Click a link to view that particular file.

[example of new truck](#)

[New truck bid](#)

[New truck bid 2](#)

[Newtank bid](#)

[Pictures of existing truck](#)

[Sig Page](#)

# East Region Fish Liberation Truck



# Some of the problems with the old tank.



6" outflow running under all the tanks.



It needs new tires



Little brother to what  
I am going to do.





Good Morning Kurt,

I have worked with other regions on their tankers and the attached spec is one I sold last year to Hal Boldt in Clackamas for his region. It should be typical of chassis specs for this application. He chose the optional extended cab so they had more interior storage specs to work with. I also have a very similar chassis in my inventory with a regular cab 2-door that also has the Allison, aluminum wheels, 475 HP, and quite a few other options if you wanted something for a quicker build. In addition we have had tanks built locally for this application if you are looking for additional quotes on the tanks. The Lynch Company built one for Hal a few years ago. I should mention the stock unit we have would be more like the low \$120k range due to transporting and/or other changes we may need to make to for it to work.

Thank you,

**Barney Newman**  
New Truck Sales Manager  
Brattain International Trucks, Inc.  
Portland, OR  
T: 503.595-4606 | F: 503.595.4657

Hi Kurt,

Cart before the horse-sorry. The estimated cost would be \$ 121,475 to be safe with these specs. Likely less upon actual sale.

Thanks,

Barney Newman

Good Morning Kurt,

Budget value offered by our Used Truck Manager for the "package" of tractor and trailer is \$ 7500.

Thank You,

Barney

# Quotation



7960 Stromesa Court  
San Diego, CA 92126 USA  
SINCE 1984 www.aquaneering.com  
858-578-2028 Fax 858-689-9326

Date 4/3/2014  
Quotation # Q62795

## Prepared For:

Kurt Cundiff  
Oregon DFW  
kurt.w.cundiff@state.or.us

SO Clerk Outside Rep Project #  
BMB MSF 62795

Qty	Item Code	Description	Price Each	Total
1	QT3000D2	Aluminum Live Haul Transport Tank, Single Sided Dump Style 84 x 240 x 48" tall 2 Compartments 1,600 gallons each Rear Discharge Double Wall Aluminum Construction with: • 2" Thick Polyurethane Foam Insulation • 3/16" 5052 Aluminum Inner Tank • 1/8" 5052 Aluminum Outer Skin Inner Tanks: 2" Sloped Bottom • 12" Ringlock Dump Gate w/Aluminum Slide and 1/8" UHMW Seal • Recessed T-Handle Pull • (4) Aerator Brackets each compartment • Overflow (2") Baffles (1 per compartment) Lids: (4) Lids with heavy duty Freezer-style Latches Displacement Gage, each compartment  Weight: 3.200 lbs. Capacity: 3,200 gallons (2,800 gallons with 4" FreeBoard)	48,500.00	48,500.00
8	QTAAF12F	Aerator - Fresh Flow TT-12 Freshwater 12V, 75 GPM, with 20' Tube and 9' Bracket	495.00	3,960.00
1	Shipping	Shipping - prepay & bill	1,800.00	1,800.00
			<b>Subtotal</b>	\$54,260.00
			<b>Sales Tax (0.0%)</b>	\$0.00
			<b>Total</b>	\$54,260.00



- Lead Time:** Twelve weeks after receipt of written purchase order. Any delays incurred due to drawing approvals and/or customer changes may affect quoted completion times.
- Terms:** Net 30
- Valid:** 30 days from the date here of, subject to change upon written notice.
- Ships From:** San Diego, CA (Prepay & Add)
- Freight :** Freight prices are estimates based on conditions at time of quote. Aquaneering reserves the right to adjust the freight charge at time of shipment. Charge will not exceed cost plus 10%. Shipping price includes delivery of equipment from Aquaneering warehouse to customer loading dock unless otherwise specified in quote. Offloading of equipment and transport to final destination is responsibility of consignee unless otherwise specified. Storage fees may apply if equipment cannot be delivered to customer within 15 days of agreed upon delivery schedule due to facility delays or room readiness delays. Storage fees will be quoted on a case by case basis. Special freight requirements for unloading such as lift gate, pallet jack, off loading onto special size truck for dock requirements, etc. must be specified upon placement of order. All associated charges related to these special conditions will be added to freight costs previously quoted unless known at time of quotation and will be sole responsibility of consignee.
- Freight Incoterms:** As specified in Quotation.
- Disclaimer:** All electrical junctions (including outlets) are the responsibility of the purchaser and are to be installed by a licensed electrician in accordance with local and national safety codes
- Other Fees:** Import/export Duties, local or other applicable taxes and broker or any other fees not expressly included in quotation are sole responsibility of customer.
- Sales Tax:** We are required to collect sales tax for sales in the states of California, Virginia, Arizona and New York. Please provide the sales tax rate on each Purchase Order submitted. Tax-exempt institutions will need to indicate such on their purchase order and provide a copy of the tax exempt status form.

*The information contained in this proposal , including attachments, is confidential, proprietary or privileged and may be subject to protection under law. This message is intended for the sole use of the individual or entity to which it is addressed. If you are not the intended recipient, you are notified that any use, distribution or copying of the message is strictly prohibited and may subject you to criminal or civil penalties. If you received this transmission in error, please contact the sender immediately.*

# Quotation Date

4/3/2014

Quotation #

Q62795

## Prepared For:

Kurt Cundiff

Oregon DFW

kurt.w.cundiff@state.or.us

Outside Rep

MSF

SO Clerk

BMB

Project #

62795

## Total

### Subtotal

### Sales Tax (0.0%)

7960 Stromesa Court

San Diego, CA 92126 USA

SINCE 1984 [www.aquaneering.com](http://www.aquaneering.com)

858-578-2028 Fax 858-689-9326

Qty Item Code Description Price Each Total

QT3000D2

Aluminum Live Haul Transport Tank, Single Sided

Dump Style

84 x 240 x 48" tall

1 48,500.00 48,500.00

2 Compartments 1,600 gallons each

Rear Discharge

Double Wall Aluminum Construction with:

- 2" Thick Polyurethane Foam Insulation
- 3/16" 5052 Aluminum Inner Tank
- 1/8" 5052 Aluminum Outer Skin

Inner Tanks:

2" Sloped Bottom

- 12" Ringlock Dump Gate w/Aluminum Slide and 1/8"

UHMW Seal

- Recessed T-Handle Pull
- (4) Aerator Brackets each compartment
- Overflow (2")

Baffles (1 per compartment)

Lids:

(4) Lids with heavy duty Freezer-style Latches

Displacement Gage, each compartment

Weight: 3,200 lbs.

Capacity: 3,200 gallons (2,800 gallons with 4"

FreeBoard)

QTAAF12F Aerator - Fresh Flow TT-12 Freshwater

12V, 75 GPM, with 20' Tube and 9' Bracket

8 495.00 3,960.00

1 Shipping Shipping - prepay & bill 1,800.00 1,800.00

\$54,260.00

\$54,260.00

\$0.00

7960 Stromesa Court \_ San Diego, CA 92126 \_ USA **858-578-2028** \_ Fax 858-689-9326

Email: [info@aquaneering.com](mailto:info@aquaneering.com)

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to adjust the freight charge at time of shipment. Charge will not exceed cost plus 10%. Shipping price includes delivery of equipment from Aquaneering warehouse to customer loading dock unless otherwise specified in quote. Offloading of equipment and transport to final destination is responsibility of consignee unless otherwise specified. Storage fees may apply if equipment cannot be delivered to customer within 15 days of agreed upon delivery schedule due to facility delays or room readiness delays. Storage fees will be quoted on a case by case basis. Special freight requirements for unloading such as lift gate, pallet jack, off loading onto special size truck for dock requirements, etc. must be specified upon placement of order. All associated charges related to these special conditions will be added to freight costs previously quoted unless known at time of quotation and will be sole responsibility of consignee.

**Freight**

**Incoterms:**

As specified in Quotation.

**Disclaimer:** All electrical junctions (including outlets) are the responsibility of the purchaser and are to be installed by a licensed electrician in accordance with local and national safety codes

**Other Fees:** Import/export Duties, local or other applicable taxes and broker or any other fees not expressly included in quotation are sole responsibility of customer.

**Sales Tax:** We are required to collect sales tax for sales in the states of California, Virginia, Arizona and New York. Please provide the sales tax rate on each Purchase Order submitted. Tax-exempt institutions will need to indicate such on their purchase order and provide a copy of the tax exempt status form.

*The information contained in this proposal , including attachments, is confidential, proprietary or privileged and may be*

*subject to protection under law. This message is intended for the sole use of the individual or entity to which it is addressed. If*

*you are not the intended recipient, you are notified that any use, distribution or copying of the message is strictly prohibited*

*and may subject you to criminal or civil penalties. If you received this transmission inerror, please contact the sender immediately.*

**Applicant Signature Page**  
**Fish Restoration and Enhancement Program**  
(Oregon Department of Fish and Wildlife Applicants)

I hereby make an application for financial assistance under the terms and conditions of the Fish Restoration and Enhancement Program as described in my project application. I acknowledge that:

- This proposal is an identified priority at the  district,  region, and/or  state level and has been identified as such in the application (check box for appropriate level).
- This proposal is consistent with any applicable goals, policies, rules, species or basin management plans adopted by the F&W Commission and this has been explained in the application.
- This proposal will not be used to cover, back fill, or fund shift elements that have been cut or defunded as part of agency budget reductions. Approved deferred maintenance or projects with division approval are exceptions.

I understand that if my project proposal is approved for Restoration and Enhancement (R&E) Program funding, the following will apply:

- Applicants must sign an agreement containing the terms and conditions for the project implementation, release of funds, and documentation of completion. Non-compliance may impact future funding opportunities.
- The R&E Program will not pay for expenses which occur before the approved start date or after the end date.
- Funding is available one biennium only without prior authorization by the R&E Board.
- Applicant agrees to notify the R&E Program of all funds not needed for the project upon determination.
- Any inappropriate expenses using R&E funds will be corrected by the applicant immediately. By the close of the biennium any expenses exceeding, or not identified in, the grant approval will be reverted to a local cost code.
- Copies of all landowner, monitoring and maintenance agreements must be submitted to the R&E Program.
- Educational products resulting from projects are public domain.
- Information collected is subject to Oregon Public Records Law.
- As applicable, the project will be consistent with all federal, state, and local regulations, including the State Land Use Planning Goals & Local Land Use Plans, prior to any on the ground work.

By signing this application, I certify to the best of my knowledge that the information contained in the application are true, complete and accurate. If awarded funding the applicant agrees to follow all terms and conditions outlined in the agreement.

Project Title: High Desert Region Liberation Truck  
Applicant Name: Kurt Cundiff Title: Tech. Services Coordinator  
Applicant Signature:  Date: 8-11-2014

**Manager Certification:**

To be completed by Watershed Manger, Hatchery Coordinator, Program Manager, or higher level manager.

- I concur with the statements above and the applicant has permission to request these funds.

Manger Name: Scott D. Patterson Title: Fish Propagation Program Manager  
Manager Signature:  Date: 7-14-2014