

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: Newstate Inc. / Demetrios Skedros
Co-Applicant Name(s) (if applicable): Beau Clements
Project Title: Newstate 20 Lake Project
Agency or Business Name (if applicable): _____
Mailing Address: _____ City: _____ State: UT Zip: 84087
Phone: (801) 960 2020 E-mail: TSKED@AOL.COM
2500 W. 300 S. Wood Cross

Individual Non-Profit Govt. Agency Academic Commercial Other

1. Estimated Project Costs:

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

see attached

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.)

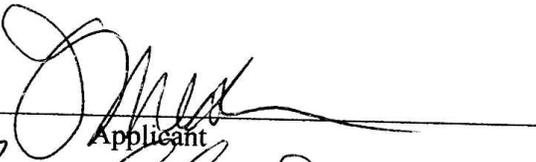
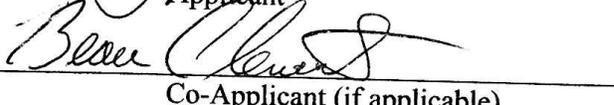
2. Describe the purpose and need of the project: see attached
3. Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018): see attached

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):

<u> </u> Name/Company	<u> </u> Address	<u> </u> Phone
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<u> </u> Name/Company	<u> </u> Address	<u> </u> Phone
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<u> </u> Name/Company	<u> </u> Address	<u> </u> Phone
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Signature		Date	<u>5/3/14</u>
	Applicant		
Signature		Date	<u>5/3/14</u>
	Co-Applicant (if applicable)		

Newstate 20 Lake Project Willard Bay Project Proposal

Project description

The Newstate Duck Club is a private management area in Farmington Bay. The club is managed as wetland habitat with over 4000 acres of marsh and upland terrain. The Newstate is unique in that the Jordan River ends within its boundaries. The Newstate is also unique in that during the migratory waterfowl hunting season it is only hunted three days a week providing an unmolested sanctuary for waterfowl during non-shooting days. As a waterfowl and shore bird management area it is a critical nesting, staging and wintering area for thousands of migratory birds. The Newstate along with Farmington Bay Bird Refuge form a large controlled wetlands ecosystem that benefits the entire flyway along the Wasatch Front. The nature of this project is to enhance currently unproductive areas of the club with water control structures and create wetland habitat accessible to migratory birds. The main goal of this project is to place two water control structures to seasonally flood mudflat playa and upland habitat to make them more desirable to migratory species. This project will also include cleaning out an existing water supply channel and creating several ponds in a phragmite dominated unit (Newstate – project overview).

Project timeframe

The anticipated project would commence next spring and should be completed in several months.

Project location

See attached

Project benefits

The primary enhancement afforded by this project is the creation of shorebird and waterfowl habitat that has previously not existed. With the encroachment of civilization along the shores of the Great Salt Lake, new migratory bird acreage has become scarce. This project will add productive habitat to an ecosystem that is already stressed with unfortunate events like the diesel release at Willard Bay. The close proximity of this wetlands project to Willard bay will allow migratory species key opportunities for food, staging and nesting that are currently not available (Newstate –Willard Bay). The mudflat playa and ponds proposed will allow shore birds such as Avocets, black necked Stilts, White faced Ibis and Egrets food and nesting opportunities as well as important staging areas for the plethora of waterfowl that visit the Great Salt Lake marshes each fall. The projects connectivity to other projects and management units is what makes it so desirable and important for the overall flyways health.

Project Connectivity

The Newstate Duck Club is strategically nestled in a critical nesting and staging area for migratory species (Newstate - connectivity). The club is immediately bordered by the State run Farmington Bay Waterfowl management area to the west and north, the Miller unit of Farmington Bay to the southwest, the crystal unit of Farmington bay and the North Point rest pond to the south and the Burnham Duck Club to the east. Farmington Bay and Willard Bay are part of the contiguous corridor that birds utilize in their annual migrations. This wetlands ecosystem hosts a variety of shorebirds and waterfowl throughout the year and is a critical component of the general flyway.

Project plans and details

This project has two components in the same geographic area. The first component is to flood an upland/ mudflat playa area with 2 water control structures. Two separate

18 inch pipes will be placed through an existing dike to allow seasonal flooding of approximately 75 acres of existing mudflat playa (Newstate – mudflat playa). Approximately 40 feet of pipe will be necessary at each location. Both pipes will require concrete wing walls with Waterman type canal gates.

The second component of this project will involve the creation of two, 2-3 acre ponds in a phragmite infested unit (Newstate – phragmite ponds). The creation of both ponds will require bulldozer dirt movement to an existing dike. An overgrown, existing channel feeding this area will also need to be cleaned out to allow for unrestricted water flow to these new impoundments.

Experience in similar projects

The Newstate Duck Club has a long history of wetlands enhancement and maintenance. Many past grants have been successfully completed on this property.

Ongoing maintenance

The Newstate Duck Club has a full time marsh manager with an operating budget. Project management is incorporated in this budget and approved by the membership every year. The proposed project will fall within normal management allocations with no anticipated overages for the water control structures proposed.

Project cost-effectiveness

This project is designed for maximal acreage impact from a nominal cash outlay. Over 80 acres of habitat will be enhanced by the proposed project. With minimal resource allocation a significant phragmite choked off area and barren mudflat playa will once again support migratory birds.

Estimated Project Costs

Labor

Track hoe operator	178.00/hr – 16hrs	2848.00
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Dozer operator	50.00/hr – 80hrs	4000.00
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Materials

Pipe – 18inch x 40 feet (2)		1314.44
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Water control structures (2)		4000.00
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Equipment

Dozer D6K2 LGP		4334.00 (rental)
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		600.00 (delivery)
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		1800.00 (fuel)
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Track hoe		1000.00 (delivery)
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<i>Total</i>		19896.44
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▶ Mudflat playa

▶ Upland

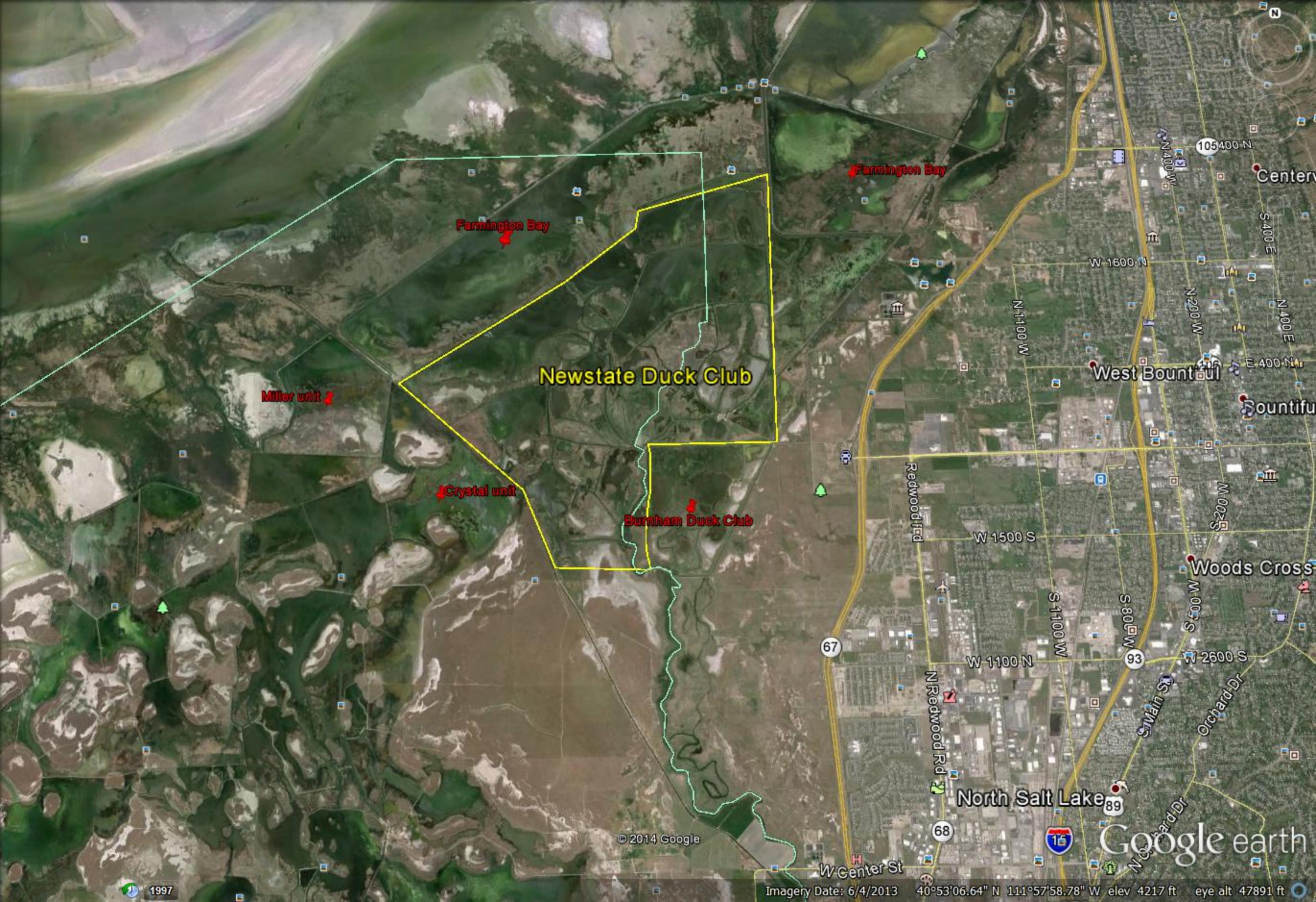
▶ Phragmite infested unit

© 2014 Google

Google earth

1997

Imagery Date: 6/4/2013 40°53'17.71" N 111°59'31.17" W elev 4219 ft eye alt 12944 ft



Newstate Duck Club

Farmington Bay

Miller unit

Crystal unit

Burnham Duck Club

Farmington Bay

West Bountiful

Woods Cross

North Salt Lake

© 2014 Google

Google earth

Imagery Date: 6/4/2013 40°53'06.64" N 111°57'58.78" W elev 4217 ft eye alt 47891 ft

1997



Willard Bay

Newstate

Image Landsat

Google earth

Imagery Date: 4/9/2013 41°03'35.30" N 112°01'50.78" W elev 4326 ft eye alt 69.35 mi



Seasonal flooded acreage

water control structure

water control structure

© 2014 Google

Google earth

1997

Imagery Date: 6/4/2013 40°53'23.73" N 111°59'39.29" W elev 4215 ft eye alt 7891 ft



Channel

Ponds

Phragmite

© 2014 Google

Google earth

1997

Imagery Date: 6/4/2013 40°53'09.30" N 111°59'30.23" W elev 4215 ft eye alt 8653 ft



EQUINOX ENGINEERING
Providing Balance For All Inhabitants of Planet Earth

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May 3, 2014

New State Duck Club

Re: Water Control Structures – GSL Wetlands

Beau,

Equinox Engineering proposes the following:

1. Two (2) Type A – 18-42 Stop log water control structure. 18” diameter outlet – 42” height. - \$2,000 Each

Total Cost all items - \$4,000

Proposal includes for each structure

1. Dual stoplog channels
2. Cast in place overflow weir
3. Removable safety grating
4. 2x4, 2x6 and 2x8 stoplogs in equal amounts.

Proposal does not include sales tax.

Delivery to the Project site is included. – Drop off location must be accessible to tractor trailer. Owner or Contractor must provide unload structures from transport.

Proposal is valid for 30 days from date presented.

Upon approval estimated delivery date is 21- 28 days.

Orders over \$12,500 require a \$2,500 or 20% down (whichever is larger).

If you have questions please contact Equinox Engineering @ 801-791-1661.

Proposal Acceptance:

Authorized Signature: _____

Printed Signature: _____

Title or Position: _____

Date: _____



MOUNTAIN STATES
Supply Co
MOUNTAIN STATES SUPPLY
184 West 3300 South
Salt Lake City, UT 84115
801-484-8885
Fax 801-484-8954



Quotation

EXPIRATION DATE	QUOTE NUMBER	PAGE NO.
05/09/2014	S100989768	
REMIT TO: MOUNTAIN STATES SUPPLY P.O. BOX 127 OREM, UT 84059-0127		1 of 1

QUOTE TO:

Beau Clements
184w 3300s
SOUTH SALT LAKE, UT 84115

SHIP TO:

Beau Clements
184w 3300s
SOUTH SALT LAKE, UT 84115

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON	
62097			HOUSE ACCOUNT MT	
WRITER	SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
MAX FREESTONE	BID		05/02/2014	No
ORDER QTY	DESCRIPTION		UNIT PRICE	EXT PRICE
80ft	18 N12 ULTRA 65S ADS WT PIPE		16.431/ft	1314.44
Bid Total does not include tax or freight. All prices herein supercede all prior quotes and are subject to change without prior notice. No guarantee is made as to the accuracy of the quantities listed. *** NOTE- All Special Order Material is Non-Returnable ***			Bid Total	1314.44

As of July 1, 2013 we will no longer accept returns of brass faucets and fittings containing lead.

ASK US ABOUT THE JAN. 2014 "NO LEAD LAW"

TRACK-TYPE TRACTORS

		DAY	WEEK	4-WEEK
D3K2	17,544 lbs., Dozer (6-way) / Ripper	\$308	\$1,233	\$3,700
D4K2	18,080 lbs., Dozer (6-way) / Ripper	\$358	\$1,433	\$4,300
D5K2	20,534 lbs., Dozer (6-way) / Ripper	\$408	\$1,633	\$4,900
D5K2 LGP	21,266 lbs., Dozer (6-way) / LGP	\$408	\$1,633	\$4,900
D6K2	29,346 lbs., Dozer (6-way) / Ripper	\$542	\$2,167	\$6,500
D6K2 LGP	30,144 lbs., Dozer (6-way) / LGP	\$542	\$2,167	\$6,500
D6N	36,392 lbs., Dozer (6-way) / Ripper	\$708	\$2,833	\$8,500
D6N LGP	39,895 lbs., Dozer (6-way) / LGP	\$708	\$2,833	\$8,500
D6T	46,158 lbs., SU Dozer / Ripper	\$875	\$3,500	\$10,500
D6T LGP	49,489 lbs., SU Dozer / LGP	\$875	\$3,500	\$10,500
D7E	57,441 lbs., SU Dozer / Ripper	\$1,778	\$5,333	\$16,000
D8T	87,733 lbs., SU Dozer / Ripper	\$2,222	\$6,667	\$20,000
D8T Cable Plow	87,733 lbs., Cable System	\$2,667	\$8,000	\$24,000
D9T	117,103 lbs., SU Dozer / Ripper	\$3,222	\$9,667	\$29,000
D10T	161,915 lbs., SU Dozer / Ripper	\$4,444	\$13,333	\$40,000
D11T	251,100 lbs., SU Dozer / Ripper	\$6,889	\$20,667	\$62,000



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Track -Type Tractors	Under 25 Miles	25 to 60 miles	60+ miles (\$ per mile)
D3, D4, D5	\$150	\$250	\$5.20
D6K	\$300	\$460	\$6.00
D6*, D7*	\$600	\$825	\$8.15
D8*	\$650	\$900	\$9.60
D9*	\$760	\$1,000	\$12.00
D10**	Call for Quote	Call for Quote	Call for Quote
D11**	Call for Quote	Call for Quote	Call for Quote

PIPE LAYERS

	DAY	WEEK	4-WEEK
PL61	37,480 lbs., 40,000 lb. lifting capacity	\$1,111	\$3,333 \$10,000

Pipelayers	Under 25 Miles	25 to 60 miles	60+ miles (\$ per mile)
561M	\$460	\$670	\$6.70

2 weeks \$ 4,334 machine
 \$150 per hr = \$ 600 Delivery cost
 = \$ 4000 operator
 \$ 8934 plus Fuel
 \$1,800
 \$10,734

* Additional charges for permits and pilots may apply.

**Additional charges for permits, pilot, assembly & disassembly may apply.