

CITY OF TRAVERSE CITY BID TABULATION

Clinch Marina

PROJECT: Electrical Upgrade

DUE DATE: 11-28-11

TIME: 2 PM

LOCATION: 2nd fl. conf. room

Julie Dalton, Barry Smith + Ken Gregory

VENDOR	TOTAL								
Windemuller	\$63,080. ⁰⁰	- Total Cost							
Waggener Electric	\$75,650	w/no conductor protection							
	\$89,650	w/all conductor protection							
		} Total Cost							

see Bid Pages
attached for
comparisons

BID PAGE

TERMS: Payment to be made as soon as possible after satisfactory acceptance of equipment. Price quoted shall include all requested items including shipping and handling costs.

WORK WILL BEGAIN IMMEDIATELY & BE COMPLETED BEFORE 4/15/2012

Timeframe for completing work after Contract issued: _____

Cost of Raceway/Feeder Upgrade: \$ 44,850.00

Cost of Ground Bar Upgrade: \$ 11,000.00

Cost of Conductor Protection: \$ 175.00 PER BOX AS NEEDED.

Cost of AC Ground Fault Monitoring System: \$ 19,800.00

Total Cost of Clinch Marina Electrical Upgrade: \$ 75,650.00 - W/NO CONDUCTOR PROTECTION

* SEE ATTACHED LETTER FOR CLARIFICATIONS & BIDDING DESCRIPTIONS. 89,650.00 - W/ALL 80 BOXES PROTECTED

BY: BILL WAGGENER DATE: 11/28/11

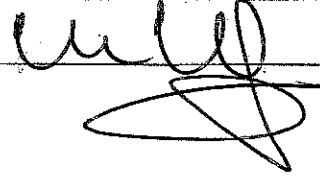
TITLE: OWNER

COMPANY: WAGGENER ELECTRIC

ADDRESS: 776 W. BLUE STAR DR. TRAVERSE CITY, MI 49684

PHONE: 231 929-9330

883-9321

SIGNATURE: 

WAGGENER ELECTRIC

Since 1981

776 W Blue Star Dr., Traverse City, MI 49684.....wellc@freeway.net

November 28, 2011

City of Traverse City
Julie Dalton, Purchasing Agent
City Managers Office
Second Floor, 400 Boardman Ave.
Traverse City, MI 49684

Re: Clinch Marina Electrical Upgrade Project

Julie Dalton,

We are pleased to offer a proposal in the form of this bid to address the requirements as outlined in the RFP for the Upgrade Project as follows.

Dock A: Remove the damaged flexible (sealtite) conduit that currently feed the main section of the dock.

These sealtites extend from the PVC sleeves attached below the aluminum gangway to a junction box located in the floating ramp section to the north. The feeders south of this point are not damaged and are being left intact.

The feeder conductors will be shortened to this same point.

At this location, beneath the gangway, we will install a fabricated aluminum junction box of sufficient size to accommodate splicing of these conductors to new "G" Cable jumpers.

These jumpers will replace the feeders that were housed in the damaged sealtites.

This box will be accessed from above, thru the decking that covers the gangway in the same manner as the junction boxes in the floating dock sections are accessed.

From this box we will extend the appropriate number and size of "G" Cable jumpers to the existing junction box located in the floating ramp to the north. The jumpers will be spliced to the existing feeders in the junction boxes.

The "G" Cable will allow for substantial movement at this location.

Dock F: Remove the feeders beneath Dock "F" gangway and floating ramp. These feeders will be removed from the in-ground "Quazite" box completely thru to the splice box located in the 1st floating dock section. We will replace these feeders with appropriate sized "G" Cables from point to point. The "G" Cables will be suspended beneath the aluminum gangway, pulled thru the floating ramp and spliced to the existing feeders at each end. Again, the "G" Cable will allow for substantial movement at this location.

A drawing detailing these installations has been included with this proposal.

Ground Bar Upgrades: The cost for this upgrade is \$137.50 per box. This work will be performed at all locations. There are eighty boxes totaling \$11,000.00 as appears on bid sheet. At each junction box located within the floating docks, we will remove the existing ground bars, install a new multi-pole ground bar of sufficient size to accommodate the grounds that are currently in place and re-terminate the grounds. These new ground bars will be mounted to the sides of the boxes and fastened with bronze or stainless hardware to prevent corrosion. We will also isolate each junction box from the sheet metal within the dock by installing treated lumber slats between the sheet metal and the junction box. The boxes will be fastened to the slats and the slats fastened to the sheet metal.

Conductor Protection: The cost for this protection is \$175.00 per box as appears on the bid sheet. This work will be determined during the grounding upgrades to the junction boxes described above and therefore there is no total amount known at this time. While the boxes are opened, the feeder conductors will be inspected to determine which ones need to be protected. If

any chaffing is found, the protection will be provided as follows.

Protection will be accomplished by securing a 1/4" sheet of rubber on the bottom and any side where chaffing is found.

If chaffing is found in and around the conductors, we will take steps to correct the reason for this and add isolating materials to help prevent it in the future.

Ground Fault Monitoring: This will be provided at the four main distribution panels by a "Marina Guard" system.

Each circuit at each location will be monitored individually.

There will be a "Marina Guard" control panel installed at each of the four locations.

Dock "A" will have the panel located at the entrance to the dock rather than the distribution panel. This is because of the location of that panel in a locked room out of view of the docks.

This system will monitor all the circuits and announce a fault via a flashing strobe light at each control panel. It will not provide a shut down of power, only a visual notification.

See the included literature for more detailed information.

Engineering: Electrical Engineering will be provided for by Nealis Engineering as an allowance.

A base cost of \$3500.00 has been included with the bid.

See attached proposal from Nealis for more detail.

Tax has been included.

Permit and inspections are included.

Best Regards,

Bill Waggener...231-883-9321

A handwritten signature in black ink, appearing to read "Bill Waggener". The signature is stylized with a large, sweeping loop at the bottom.

BID PAGE

TERMS: Payment to be made as soon as possible after satisfactory acceptance of equipment.
Price quoted shall include all requested items including shipping and handling costs.

Timeframe for completing work after Contract issued: April 15, 2012 ⁽¹⁾

Cost of Raceway/Feeder Upgrade: \$ 24,030.00 ⁽²⁾

Cost of Ground Bar Upgrade: \$ 17,400.00 ⁽²⁾

Cost of Conductor Protection: \$ 6,050.00 ⁽²⁾

Cost of AC Ground Fault Monitoring System: \$ 15,600.00 ⁽²⁾

Total Cost of Clinch Marina Electrical Upgrade: \$ 63,080.00 ^(2,3,4,5)

(1) It is our intent to complete this project well in advance of April 15, 2010 however with winter quickly approaching we cannot guarantee all the work can be completed this year. We will ensure power is available for de-icing equipment this winter.

(2) See detailed scope of work attached for clarification and add alternate information.

(3) We have included \$473.00 for performance bonding in this number. Please advise if bonding is not required.

(4) We have included \$2,096.00 in taxes for this project. It has been our experience that the materials we are furnishing do not fall under the "Tax Exempt" clause. If the city is willing to note in the contract that in the event we are audited and taxes for this project are due the city will reimburse us for all costs incurred this amount can be deducted from total cost of the project.

(5) Monthly progress payments are expected for this project.

BY: Patrick Masiewicz DATE: November 28, 2011

TITLE: Electrical Account Manager

COMPANY: Windemuller Electric Inc.

ADDRESS: 1714 Northern Star Drive, Traverse City, MI 49686

PHONE: 231-935-4800

SIGNATURE: 