

ATTACHMENT X-B: Approval of Fuel Management System

Suggested Motion: Move to approve the Fuel Management System

Recommended Action: Approve the motion.

Attached are four different quotes for fuel management systems. North Boone's current fuel management system only runs on Windows XP which Microsoft stopped supporting on April 8, 2014, and we no longer have access to install. Should this computer fail, we do not have a way to bring the system back to full functionality and will have to run the pumps in manual mode which removes the authorization requirement. This means we will not be able to tell who pumped gas. In addition, the hardware that runs the pumps only works with the version of TopKat we are currently using. It is not possible to purchase new software to work with our current hardware. During our search for a new fuel management system we looked for a product that would:

- give us the same durability as our current system,
- protect ourselves as much as possible against future upgrade cycles,
- allow us to recover quickly from disasters,
- give us increased flexibility in reporting,
- and provide as similar an end-user experience as possible to our current system to aid in the transition and adoption.

With these criteria in mind, it is our recommendation to purchase the FuelMaster 3505 fuel management system. This system gives us the greatest control and flexibility over the system as well as future-proofing us against possible industry trends to come. Among the 3505's many features, it allows us to program our own highly durable keys (durability/adoption), it gives us the capability of implementing the AIM 2.4 system which auto collects odometer readings, idle time, engine diagnostic data, etc. (future-proofing), it is a server based installation which will give us the capability of backing it up with the rest of our environment (disaster recovery), it allows us to install the client on as many workstations as we wish at no additional cost (reporting flexibility). We did not feel confident in recommending the CardMaster system as it uses cards very similar to a credit card which could easily be broken, were not easy to attach to a keychain, and would have to be programmed by Howard Lee & Sons should we require more. When the GasBoy Islander was quoted it was to install and configure the new system in the same way as the old, as a stand-alone. This does not allow us to backup the system and give use the disaster recovery capabilities that we were looking for. When asked to update the quote to meet the new requirements for a server/client configuration, Howard Lee & Sons stated that they could not install the GasBoy system in such a way as to guarantee the reliability of the system and would have to pull that quote from consideration. Additionally, Howard Lee stated that GasBoy was

purchased by a foreign company awhile back and that they have been experiencing trouble with getting quality service and support, as well as receiving parts. Howard Lee & Sons were actually looking for alternative vendors to fill the GasBoy space which is how they partnered with FuelMaster. Finally, we could not recommend the 2505 as it does not support the AIM 2.4 system and if we decided to move that direction in the future, would require us to purchase an entirely new pump and, according to the vendor, they do not provide a trade-in.

1. Howard Lee & Sons, Inc. – FuelMaster 3505 Plus – 4 hose - \$20,350.50. This includes Software, Deliberant Wireless Communication kit, 50 Prokee's, 1 Prokee encoder, Will take our TopKat trade in. Includes material, necessary electric, freight and mileage.
2. Howard Lee & Sons, Inc – FuelMaster 2500 Plus – 4 hose - \$18,350.50. This includes Software, Deliberant Wireless Communication kit, 50 Prokee's, 1 Prokee encoder, Will take our TopKat trade in. Includes material, necessary electric, freight and mileage.
3. Howard Lee & Sons, Inc. – Card Master – \$15,865. Host Software, cell Modem with splitter, Cellular signal Cable, Annual Cellular agreement, 50 encoded cards, Topkat Trade in. Includes material, necessary electric, freight and mileage.
4. Howard Lee & Sons, Inc – Gasboy Inlander Plus - \$21,793.00 – Mechanical Pump Interface, Fleet Head Office Software, annual software support, cat 5 cable, 50 Fobs, Topkat Trade in. Includes material, necessary electric, freight and mileage.

Randy,

I regret to inform you that we will have to pull the Gasboy Islander Plus bid. We cannot stand by this system as quoted for a few reasons. We quoted this equipment prior to doing a site evaluation. Upon the site evaluation, we realized the required CAT 5 cable run is over 350'. CAT 5 cable is only capable of transmitting data up to 325'. Gasboy does not offer any other communication options other than using CAT 5 cable. We can theoretically purchase a 3rd party system to attempt the communication with the computer / network. However, we have no working knowledge of a 3rd party system 100% compatible with how you are trying to communicate with the system. We could go down that route, but generally when a 3rd party option is installed, the manufacturer will void the warranty on the unit. At this time we do not feel like the Gasboy Islander is the system with the capabilities that you request or require. If you have any questions, please feel free to give me a call or shoot me an email.

Thanks.

Brandon Buhl

Sales Manager

Howard Lee and Sons, Inc.



4093 Perryville Rd
Cherry Valley, IL 61016
Phone: 815-332-4966
Fax: 815-332-4769

BBuhl@HLeeSons.com
www.HowardLeeSons.com

Quotation

To: North Boone School District 200
6248 North Boone School Rd.
Poplar Grove, IL 61065

Date: March 1, 2016
Quotation #: 20160301.5BB

Attn: Randy Porter

Phone: 815-765-3322 Fax: 815-765-2053

Email: RPorter@NBCUSD.org

We hereby submit specifications and estimates for: Labor and material to remove existing fuel management system, furnish and install the system described below. We will run necessary electric, pull communication cable, mount antennas on building and unit, tie into existing pumping systems; start up and train customer on system operation.

1 – FuelMaster 2500 Plus – 4 hose

1 – FuelMaster software

1 – Deliberant wireless communication kit

50 – Prokee's

1 – Prokee encoder

TopKat trade in

Labor, material, necessary electric, freight and mileage

Total \$17,635.00

Options:

To add Prox reader to system at initial order...Add \$715.50

(We will need to send in functioning prox fob for Fuelmaster to configure the reader to)

- Pricing meets **NJPA** requirements – 10% off list
- Does not include sales tax (if applicable)
- Price providing we can reuse existing electrical to tank pad.
- If a scissor lift is needed, customer to provide or will be charged additional
- Price is providing existing system is traded in, otherwise customer to be charged an additional \$1500.00.
- Price is providing existing pump systems are fully operational. Any repairs would be charged on time and material basis.
- In the event of abnormal weather conditions or hazardous job site due to weather, additional charges may apply.
- Equipment subject to manufacturers lead time.
- Includes Prevailing Wages.

Payment to be made as follows: 50% down payment; balance upon completion of our job.

If payment is made by credit card, an additional 3% will be charged.

In case we hit rock, water, running sand, or any underground obstruction, we will go on a time and material basis.

All material is guaranteed to be as specified. All work is to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon accidents or delays beyond our control. Owner to carry fire and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized Signature: _____ *Brandon Buhl* _____

Brandon Buhl

Note: This proposal may be withdrawn by us if not accepted within 30 days.

Acceptance of Proposal – The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date: _____ Signature: _____



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Quotation

To: North Boone School District 200
 6248 North Boone School Rd.
 Poplar Grove, IL 61065

Date: March 1, 2016
 Quotation #: 20160301.6BB

Attn: Randy Porter

Phone: 815-765-3322 Fax: 815-765-2053

Email: RPorter@NBCUSD.org

We hereby submit specifications and estimates for: Labor and material to remove existing fuel management system, furnish and install the system described below. We will run necessary electric, pull communication cable, mount antennas on building and unit, tie into existing pumping systems; start up and train customer on system operation.

- 1 – FuelMaster 3505 Plus – 4 hose
- 1 – FuelMaster software
- 1 – Deliberant wireless communication kit
- 50 – Prokee’s
- 1 – Prokee encoder
- TopKat trade in
- Labor, material, necessary electric, freight and mileage **Total \$ 19,635.00**

Options:

To add Prox reader to system at initial order...Add \$715.50
 (We will need to send in functioning prox fob for Fuelmaster to configure the reader to)

AIM 2.4 options

50 – Aim 2.4 module assembly kit with internal antenna (\$225.00 each)	\$ 11,250.00
4 – Aim nozzle tags (\$61.20 each)	\$ 244.80
Installation and training by manufacturer’s representative (Training is 2.5 days or installing Aim modules in 10 vehicles)	\$ 2,995.00
Total	\$ 14,489.80

- Pricing meets **NJPA** requirements – 10% off list
- Does not include sales tax (if applicable)
- Price providing we can reuse existing electrical to tank pad.
- If a scissor lift is needed, customer to provide or will be charged additional
- Price is providing existing system is traded in, otherwise customer to be charged an additional \$1500.00.
- Price is providing existing pump systems are fully operational. Any repairs would be charged on time and material basis.

- In the event of abnormal weather conditions or hazardous job site due to weather, additional charges may apply.
- Equipment subject to manufacturers lead time.
- Includes Prevailing Wages.

Payment to be made as follows: 50% down payment; balance upon completion of our job.

If payment is made by credit card, an additional 3% will be charged.

In case we hit rock, water, running sand, or any underground obstruction, we will go on a time and material basis.

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Authorized Signature: _____ *Brandon Buhl*

Brandon Buhl

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Quotation

To: North Boone School District 200
6248 North Boone School Rd.
Poplar Grove, IL 61065

Date: April 19, 2016
Quotation #: 20160419.388

Attn: Randy Porter

Phone: 815-765-3322 Fax: 815-765-2053

Email: RPorter@NBCUSD.org

We hereby submit specifications and estimates for: Labor and material to remove existing fuel management system, furnish and install the system described below. We will run necessary electric, tie into existing pumping systems; start up and train customer on system operation.

2 – Cardmaster units with pedestals

1 – Host software

1 – Cell modem with splitter

1 – Cellular signal cable

1 – Annual cellular agreement

50 – encoded cards

TopKat trade in

Labor, material, necessary electric, freight and mileage

Total \$15,865.00

Options: 1 – Data backup module and reader add \$950.00

Cards 1-25 = \$3.65 each, 26-49 = \$2.95 each, 50-99 = \$2.35 each and 100+ = \$2.15 each

- Does not include sales tax (if applicable)
- Price providing we can reuse existing electrical to tank pad.
- Price is providing existing system is traded in, otherwise customer to be charged an additional \$1500.00.
- Price is providing existing pump systems are fully operational. Any repairs would be charged on time and material basis.
- In the event of extreme weather conditions or hazardous job site due to weather, additional charges may apply.
- Equipment subject to manufacturers lead time.
- System is wireless and can be accessed from any computer with software on it and tied to the internet.
- Cards must be encoded by manufacturer or Howard Lee & Sons, Inc.
- ~~Does not include prevailing wages.~~
- Customer to be charged \$200 annually for cell service.

Payment to be made as follows: 50% down payment; balance upon completion of our job.

If payment is made by credit card, an additional 3% will be charged.

In case we hit rock, water, running sand, or any underground obstruction, we will go on a time and material basis.

All material is guaranteed to be as specified. All work is to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon accidents or delays beyond our control. Owner to carry fire and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized Signature: _____ *Brandon Buhl* _____
Brandon Buhl

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Quotation

To: North Boone School District 200
6248 North Boone School Rd.
Poplar Grove, IL 61065

Date: February 2, 2016
Quotation #: 20160202.1BB

Attn: Randy Porter

Phone: 815-765-3322 Fax: 815-765-2053

Email: RPorter@NBCUSD.org

We hereby submit specifications and estimates for: Labor and material to remove existing fuel management system, furnish and install the system described below. We will run necessary electric, pull communication cable, tie into existing pumping systems; start up and train customer on system operation.

1 – Gasboy Islander Plus

1 – Mechanical pump interface

1 – Fleet Head Office Software

1 – Annual software support

1 – Cat 5 cable

50 – Mifare tags (Fobs)

TopKat trade in

Labor, material, necessary electric, freight and mileage

Total \$21,793.00

- Does not include sales tax (if applicable)
- Price providing we can reuse existing electrical to tank pad.
- Price is providing we can reuse existing communication cable conduit into building and it is free and clear of obstructions, (ice, debris, etc.).
- Price is providing existing system is traded in, otherwise customer to be charged an additional \$1500.00.
- Price is providing existing pump systems are fully operational. Any repairs would be charged on time and material basis.
- In the event of abnormal weather conditions or hazardous job site due to weather, additional charges may apply.
- Equipment subject to manufacturers lead time.
- Mifare tags are encoded at unit.
- Includes prevailing wages.

Payment to be made as follows: 50% down payment; balance upon completion of our job.

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