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Public Works

City Transit
263-8152

MEMORANDUM

Equipment Maintenance
Roadway Maintenance
Collection & Drainage
Building & Grounds
Engineering

To: Gregg Mandsager, City Administrator
CC: Fran Donelson, Secretary
FROM: Randy Hill, Public Works Director
DATE: May 12, 2014
RE: Purchase Request – Changeable Message Boards

INTRODUCTION:

City staff would like to replace two rental message boards with a purchase of the same.

BACKGROUND:

In the Cedar Street Reconstruction Project there is a contract pay item for two (2) Changeable Message Signs, Portable for 365 calendar days) at a contract extended price of \$29,200.00. City staff has investigated the possibility of purchasing our own Changeable Message Boards instead of the “rental”.

RECOMMENDATION/RATIONALE:

Quotes were obtained for a Wanco Full Matrix Trailer Mounted Solar Message Board for \$16,933 each and for a Model Silent Messenger Solar Power Full Matrix Board for \$17,220 each. The Wanco Message Board meets our needs and is from the company we purchase our Arrow Boards. Total cost is \$33,866. This is \$4,666.00 more than the rental cost.

Project Manager Bill Haag checked with DOT regarding any special conditions or complications if it is decided to delete this pay item from the contract. There are none.

It is our recommendation to directly purchase the two Wanco Full Matrix Trailer Mounted Solar Message Boards from Advanced Traffic Control for \$33,866.00 using the fund balance in the Pavement management fund as the financial source.

BACKUP INFORMATION:

1. Memo April 30th on the Request To Purchase
2. Illustrations of the Message Board
- 3.
- 4.



Changeable Message Boards - Solar Powered

Hill, Randy <rhill@muscatineiowa.gov>

Wed, Apr 30, 2014 at 3:50 PM

Draft To: Gregg Mandsager <gmandsager@muscatineiowa.gov>, Nancy Lueck <nlueck@muscatineiowa.gov>

Cc: Randy Howell <rhowell@muscatineiowa.gov>, William Haag <bill@koalaconsultingservices.com>

Gregg & Nancy ---

In the Cedar Street Reconstruction Project there is a contract pay item (Two Changeable Message Signs, Portable for 365 calendar) at a contract extended price of \$29,200.00. This is equivalent to a rental for this equipment. City staff has investigated the possibility of purchasing our own Changeable Message Boards (CMB) instead of the "rental".

Randy Howell has received quotes from Advanced Traffic Control for two different types of CMB's:

1. Wanco Full Matrix Trailer Mounted Solar Message Board for \$16,933 each.
2. Model Silent Messenger Solar Power Full Matrix Board for \$17,220 each.

The Wanco Message Board meets our needs and is from the company we purchase our Arrow Boards. The cost is \$33,866.00. This is \$4,666.00 more than the rental cost.

I asked Bill Haag to check with DOT regarding any special conditions or complications if we decide to delete this pay item from the contract. Dale Harmon, IDOT District 5 Local Roads representative, said there should be no concerns if the City decided to not need the pay item for Two CMB's. Dale noted that it is important the purchase needs to be outside of the Cedar Street Reconstruction Project with purchase funds NOT going through the Prime Contractor (All American Concrete Inc.). He also stated that it was acceptable to deal with Advanced Traffic Control as a non-contract related cost.

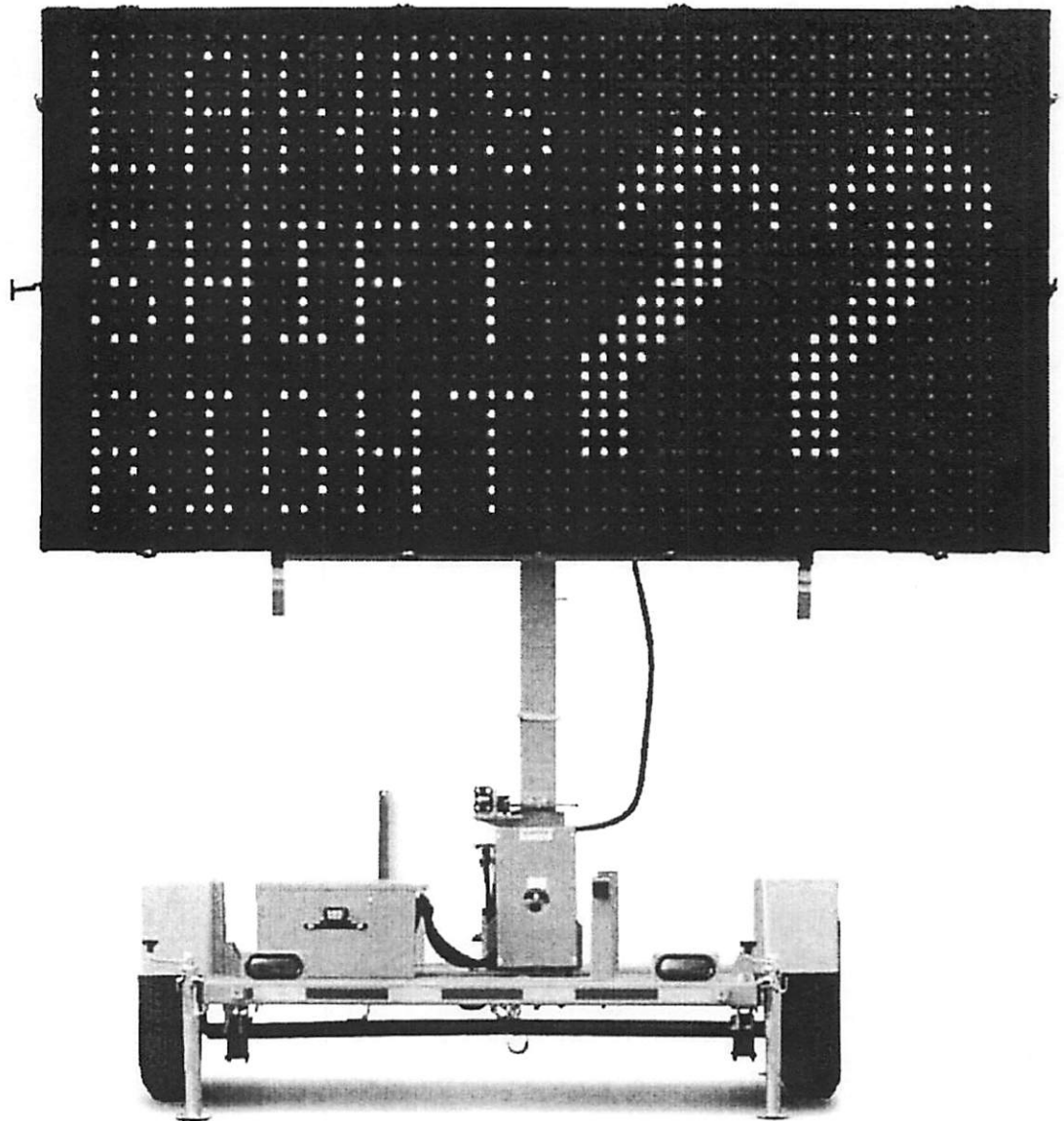
It is my recommendation to directly purchase the two Wanco Full Matrix Trailer Mounted Solar Message Boards from Advanced Traffic Control for \$33,866.00 using the fund balance in the Pavement Management fund as the financial source. This will reduce the cost of the Cedar Street Project by \$29,200 and give the City ownership of two message boards for an additional cost of \$4,666.00 rather than paying for rental. The message boards will be used on the Cedar Street project at this time and future overlay projects or other places where detours, work zones, or other informational messages are needed.

If you concur with this I will submit for City Council consideration at the May 15, 2014 meeting.

rhill

Variable Message Signs

Full-Matrix and Three-Line



WANCO[®] Driving traffic safety.

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www.wanco.com

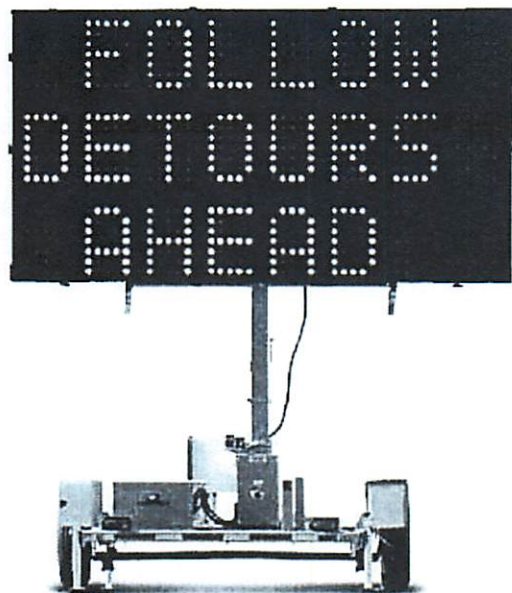
The safest means for notifying motorists of changes in traffic patterns and road conditions.

Unsurpassed quality, engineering and value, paired with a multitude of functions and options, make these signs perfect for a wide variety of applications.

- Onboard controller
- Easiest programming in the industry
- Solar charging
- Low power consumption and more uptime
- Meets MUTCD and is NTCIP-compliant

Wanco full-matrix message signs are an ideal choice when you need to get information to the public. The full matrix allows the greatest flexibility for displaying any type of message—large or small letters, symbols and graphics.

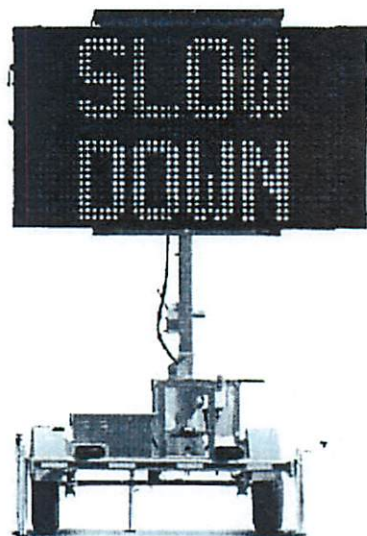
Wanco three-line message signs are capable of displaying three rows of alphanumeric characters. The three-line's highly legible, ultra-bright LEDs display your message clearly.



Three-Line Sign

WTLMB-(A) Hydraulic lift

WTLMB-(B) Manual winch



Mini Matrix Sign

WVTM(A) Hydraulic lift

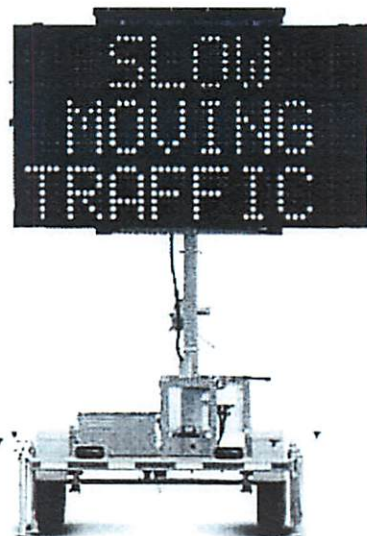
WVTM(B) Manual winch

Full-Matrix Sign

(shown on front cover)

WTMMB-(A) Hydraulic lift

WTMMB-(B) Manual winch



Mini Three-Line Sign

WVT3(A) Hydraulic lift

WVT3(B) Manual winch

Signs are also available in truck-mount versions. Optional accessories include radar-based speed detection and traffic data collection, remote communications, Ethernet connection, GPS and more. For details, visit www.wanco.com.