

**MEMORANDUM**

**TO:** President and Members of the Town Council

**FROM:** Clay Johnson, Assistant Town Manager *CJ*

**MEETING**

**DATE:** September 8, 2014

**RE:** **Updating Intersection Traffic Signals**

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The back-up batteries on our intersection traffic signals have a five year life span which, for many of our intersections is coming to their end. Just like with batteries in everyday use, when one goes out, they all are ineffective. We have asked Midwest Electric to go through the process of replacing all of our traffic signals' batteries. Additionally, while Midwestern is at each intersection, they will add an external plug to the signal controls that will allow for the Town to install a generator to run the lights if power is interrupted and the batteries fail.

Midwestern Electric has quoted the Town a price to do all this work for \$33,118. This amount will be paid from the 2012 G.O. Bond.

**Recommendation: Confirm the quote of \$33,118 to Midwestern Electric to replace back-up traffic signal batteries and to install generator plugs for emergency power supply.**



# MIDWESTERN ELECTRIC, Inc.

1620 EAST CHICAGO AVENUE - EAST CHICAGO, IN 46312

ELECTRICAL CONTRACTOR

PHONE  
(219) 397-4444

FAX  
(219) 397-8888

August 28, 2014

Mr. Chris Spolnick  
Public Works  
Town of Munster  
1005 Ridge Road  
Munster, IN 46321

Re: Traffic Signal Battery Back Up

Dear Mr. Spolnick:

The batteries that are installed in the UPS on the traffic signal controllers in Munster are all a minimum of over six years old. We have already replaced the batteries at two intersections recently and anticipate more replacements occurring as these older batteries fail to operate when called upon. Midwestern Electric is proposing that the Town replace all those existing batteries to ensure proper operation when needed.

Each Battery back up system will require 4 Batteries.

There are 29 UPS requiring Batteries

Total cost for each battery back up system up installed and tested.

Labor and Equipment	\$	89.00
Material:	\$	832.00
<b>Total:</b>	<b>\$</b>	<b>921.00</b>

In addition we are quoting the installation of electrical outlets on the Traffic Signal Cabinets; to facilitate the intersections being run on generators, in the event of extended power outages. We will install a weatherproof receptacle and cover on the outside of the cabinets and make the wiring connections and install a switch.

All work will conform to NECA codes and standards. The cost below is for one intersection.

Labor and Equipment	\$	126.00
Material:	\$	95.00
<b>Total:</b>	<b>\$</b>	<b>221.00</b>

**This would be a grand Total of \$33,118.00**

Please advise this office if you want us to proceed and complete the work required.

Respectfully submitted,

**TOWN OF MUNSTER**

Raymond Russell  
General Manager

By: \_\_\_\_\_

Its: \_\_\_\_\_

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