



VILLAGE OF MUNDELEIN

TRANSPORTATION & INFRASTRUCTURE COMMITTEE REPORT

To: Mayor Kessler and Board of Trustees
From: Bill Emmerich, Village Engineer
For: Village Board Meeting of Jan 28, 2013
Subject: IDOT LED Upgrade of Traffic Signals Agreement - Amendment No. 1

Summary:

At the September 10, 2012, the Village Board approved the execution of an agreement with the Illinois Department of Transportation (IDOT) whereby Mundelein would contribute to the cost of the conversion (upgrade) from incandescent bulb to LED (with battery back-up) of various traffic signals along state highways in Mundelein. Amendment No. 1 changes the original agreement by allocating 25% (east leg) of the Midlothian Road at Hawley Street intersection to Mundelein from what had been a 50% split between IDOT and Lake County. Upon completion, the recurring maintenance and energy cost responsibilities will remain as exists under the current Master Agreement (executed July 1, 2011).

Recommendation:

Motion to approve Amendment No. 1 of the Intergovernmental Agreement for Light-Emitting-Diode (LED) Upgrade of Traffic Signals Agreement with the Illinois Department of Transportation and authorize the Mayor's signature on the Agreement.

Signature

Digitally signed by Bill Emmerich
DN: cn=Bill Emmerich, o=Village of
Mundelein, ou=Engineering,
email=bemmerich@mundelein.org, c=US
Date: 2013.01.18 11:50:46 -06'00'

Village Administrator Recommendation

Approve the Motion

Digitally signed by John
Lobaito
Date: 2013.01.23 10:26:20
-06'00'

**AMENDMENT NUMBER 01
INTERGOVERNMENTAL AGREEMENT FOR LIGHT-EMITTING-DIODE
(LED) UPGRADE OF TRAFFIC SIGNALS AGREEMENT**

The undersigned DEPARTMENT and GOVERNMENTAL BODY (the parties) agree that the following shall amend the AGREEMENT referenced herein. All terms and conditions set forth in the original AGREEMENT, not amended herein, shall remain in full force and effect as written. In the event of conflict, the terms of this amendment shall prevail. This AGREEMENT AMENDMENT is in the best interest of the State and authorized by law.

1. DESCRIPTION OF AGREEMENT: This is the upgrade the traffic signals on state highways with Light-Emitting-Diode (LED) modules. This program is meant to complete the transformation in the State from incandescent traffic signal optics to low energy consuming, reduced maintenance and enhanced visibility LED type signals located on State highway within or near the Local Agency.
2. EFFECTIVE DATE OF AMENDMENT: Upon execution till June 30, 2021.
3. DESCRIPTION OF AMENDMENT: Addition of split cost to intersection of Midlothian Road @ Hawley Street.
4. ATTACHMENTS AND INCORPORATIONS: The following Attachments are hereby incorporated and made part of this AMENDMENT.

Attachment A – Description of Amendment

Attachment B – LED Conversion Locations and the Cost Proportionment

IN WITNESS WHEREOF, the parties have caused this AGREEMENT AMENDMENT to be executed on the dates shown below by representatives authorized to bind the respective parties.

For The GOVERNMENTAL BODY:

Signature of Authorized Representative	Type or Print Name of Authorized Representative	Date
Title of Authorized Representative		
Governmental Body VILLAGE OF MUNDELEIN		
Legal Address 440 East Hawley Street		
City, State, Zip Mundelein, IL 60060		

For The DEPARTMENT:

Christine M. Reed, P.E., Director, Division of Highways	Ellen Schanzle-Haskins, Chief Counsel (Approved as to form)	Date
---	--	------

FOR STATE USE ONLY

Contract: _____ BoBS: _____

Source Selection:

<input type="checkbox"/> IFB (including Multi-step)	<input type="checkbox"/> RFP	<input type="checkbox"/> RFP/P&A
<input type="checkbox"/> Small	<input type="checkbox"/> Sole Source	<input type="checkbox"/> Emergency
<input type="checkbox"/> Exempt from Code	<input type="checkbox"/> Other (describe)	

By: _____

Ann L. Schneider, Director of Finance & Administration

By: _____

Gary Hannig, Secretary of Transportation

By: _____

_____ Date

_____ Date

Attachment A

Description of Amendment

The Department through the Governmental Body has initiated the retrofit of traffic signal incandescent lamps to LED modules. The cost of LED retrofit and UPS installation at the intersection is shared in proportion to the number of approaches maintained by each unit of government.

The split cost to the intersection Midlothian Road @ Hawley Street that was inadvertently omitted from the original agreement will be added for LED conversion, and shall be included to be made a part of the Original Agreement executed on the 10th day of September A. D. 2012, and that all other terms and conditions not in conflict with this AGREEMENT AMENDMET as enumerated in that Original Agreement remain applicable. A provision for this intersection of the Village jurisdiction of the east leg of Midlothian Road and share of cost responsibility is indicated in Attachment B.

Attachment B

LED Conversion Location and the Cost Proportionment

Therefore, inconsideration of the mutual covenants contained herein, the parties hereto agree as follows:

Page 1, paragraph #3 to be revised to read as follows:

3. It is mutually agreed that the proportional participation for the construction costs and engineering costs of this improvement shall be as follows:

	Improvement Cost	State Cost	Village of Mundelein Cost	Lake County Cost	Motorola Cost	Thrivent Financial Cost
IL 176 at Hawley St. (East)	\$37,000.00 (Signal upgrades)	\$35,779.00 (90% +6.7%)	\$1,221.00 (3.3%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$5,366.85	\$183.15	\$0	\$0	\$0
IL 176 at Hawley St. (west)	\$37,000.00 (Signal upgrades)	\$35,779.00 (90% +6.7%)	\$0 (-%)	\$1,221.00 (3.3%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$5,366.85	\$0	\$183.15	\$0	\$0
IL 176 at Midlothian Rd.	\$20,000.00 (Signal upgrades)	\$19,500.00 (90% +7.5%)	\$0 (-%)	\$500.00 (2.5%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$2,925.00	\$0	\$75.00	\$0	\$0
IL 60 at Butterfield Rd.	\$20,000.00 (Signal upgrades)	\$19,000.00 (90% + 5%)	\$0 (-%)	\$1,000.00 (5%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$2,850.00	\$0	\$150.00	\$0	\$0
IL 60 at N.S. Connector /Main access	\$11,000.00 (Signal upgrades)	\$10,450.00 (90% + 5%)	\$550.00 (5%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$1,567.50	\$82.50	\$0	\$0	\$0
IL 60 at Oak Creek Plaza	\$18,000.00 (Signal upgrades)	\$17,100.00 (90% + 5%)	\$900.00 (5%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$2,565.00	\$135.00	\$0	\$0	\$0
IL 60/83 at Hawley Street	\$25,000.00 (Signal upgrades)	\$23,750.00 (90% +5%)	\$0 (-%)	\$1,250.00 (5%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$3,562.50	\$0	\$187.50	\$0	\$0
IL 60/83 at Midlothian Rd.	\$15,000.00 (Signal upgrades)	\$15,000.00 (90% +10%)	\$0 (-%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$2,250.00	\$0	\$0	\$0	\$0
IL 60/83 at Schanck Av (N.Junction)	\$10,000.00 (Signal upgrades)	\$10,000.00 (90% +10%)	\$0 (-%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$1,500.00	\$0	\$0	\$0	\$0
IL 60/83 at Willow Spring(So Junction)	\$22,000.00 (Signal upgrades)	\$21,450.00 (90% +7.5%)	\$550.00 (2.5%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$3,217.50	\$82.50	\$0	\$0	\$0
IL 60/83 at IL 176	\$20,000.00 (Signal upgrades)	\$20,000.00 (90% +10%)	\$0 (-%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$3,000.00	\$0	\$0	\$0	\$0

	Improvement Cost	State Cost	Village of Mundelein Cost	Lake County Cost	Motorola Cost	Thrivent Financial Cost
US 45 at Allanson Rd.	\$13,000.00 (Signal upgrades)	\$12,571.00 (90% +6.7%)	\$429.00 (3.3%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$1,885.65	\$64.35	\$0	\$0	\$0
US 45 at Courtland St.	\$22,000.00 (Signal upgrades)	\$20,900.00 (90% +5%)	\$1,100.00 (5%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$3,135.00	\$165.00	\$0	\$0	\$0
US 45 at Diamond Lake Rd.	\$17,000.00 (Signal upgrades)	\$16,150.00 (90% +5%)	\$850.00 (5%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$2,422.50	\$127.50	\$0	\$0	\$0
US 45 at Division Street	\$40,000.00 (Signal upgrades)	\$38,000.00 (90% +5%)	\$2,000.00 (5%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$5,700.00	\$300.00	\$0	\$0	\$0
US 45 at Motorola Pkwy	\$13,000.00 (Signal upgrades)	\$12,571.00 (90% +6.7%)	\$0 (-%)	\$0 (-%)	\$429.00 (3.3%)	\$0 (-%)
Engineering (15%)		\$1,885.65	\$0	\$0	\$64.35	\$0
US 45 at Townline Square S.C.	\$13,000.00 (Signal upgrades)	\$12,571.00 (90% +6.7%)	\$0 (-%)	\$0 (-%)	\$0 (-%)	\$429.00 (3.3%)
Engineering (15%)		\$1,885.65	\$0	\$0	\$0	\$64.35
US 45 at IL 60	\$26,000.00 (Signal upgrades)	\$26,000.00 (90% +10%)	\$0 (-%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$3,900.00	\$0	\$0	\$0	\$0
US 45 at IL 83	\$48,000.00 (Signal upgrades)	\$48,000.00 (90% +10%)	\$0 (-%)	\$0 (-%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$7,200.00	\$0	\$0	\$0	\$0
Midlothian Rd at Hawley St.	\$34,000.00 (Signal upgrades)	\$32,300.00 (90% +5%)	\$850.00 (2.5%)	\$850.00 (2.5%)	\$0 (-%)	\$0 (-%)
Engineering (15%)		\$4,845.00	\$127.50	\$127.50	\$0	\$0
TOTAL		\$513,901.65	\$9,717.50	\$5,544.15	\$493.35	\$493.35