



February 6, 2019

Mr. John Ingram/Mr. Rich Rittenbacher  
Public Works Director/Streets Operation Manager  
Village of Orland Park  
15655 Ravinia Avenue  
Orland Park, IL 60464

Re: Orland Park LED Street Lighting Upgrade

Mr. Ingram & Mr. Rittenbacher,

Per our conversation, CTS has provided the following proposal for assisting the Village of Orland Park with additional LED Street Lighting Upgrades:

**Option #1: La Grange Road – LED Street Lighting Upgrade Proposal:**

- CTS will provide the following:
  - o Purchase of 265 GE Evolve Cobra Heads LED Replacement Fixtures. Village will provide installation.
    - Two hundred sixty-five (265) @ 120 Watts each
    - 4000K, 7-pin receptacle, 120-277V, 10 Year warranty
    - OPTIONS: internal bubble level, IP66 optical, tool-less entry, secondary enhanced surge protection (10kV/5kA)
  - o IDOT Permitting Documentation
  - o Grant Submittal through Com-ed
  - o Note: Utilized \$330/fixture, which is subject to Will Group current pricing and IDOT final approval.
  - o Items excluded: Installation

|                            |              |
|----------------------------|--------------|
| Annual Energy Savings      | \$ 29,953.00 |
| Annual Maintenance Savings | \$ 8,036.00  |
| Total Annual Savings       | \$ 37,989.00 |

|                                   |              |
|-----------------------------------|--------------|
| Total Estimated Com-ed Incentives | \$ 45,712.00 |
|-----------------------------------|--------------|

|                                     |              |
|-------------------------------------|--------------|
| CTS Equipment Costs with 10% markup | \$ 96,195.00 |
| CTS Grant & Permitting Assistance   | \$ 12,600.00 |

|                                        |                     |
|----------------------------------------|---------------------|
| <b>Total CTS Change Order Add Cost</b> | <b>\$108,795.00</b> |
| Simple Payback                         | \$ 1.66             |

### **Option #2: 159<sup>th</sup> Street – LED Street Lighting Upgrade Proposal:**

- CTS will provide the following:
  - o Purchase of 129 GE Evolve Cobra Heads LED Replacement Fixtures. Village will provide installation.
    - One hundred twenty-nine (129) @ 120 Watts each
    - 4000K, 7-pin receptacle, 120-277V, 10 Year warranty
    - OPTIONS: internal bubble level, IP66 optical, tool-less entry, secondary enhanced surge protection (10kV/5kA)
  - o IDOT Permitting Documentation
  - o Coordination meetings with Orland Park, Orland Hills, and Tinley Park as needed.
  - o Grant Submittal through Com-ed
  - o Note: Utilized \$330/fixture, which is subject to Will Group current pricing and IDOT final approval.
  - o Items Excluded: Installation

|                            |             |
|----------------------------|-------------|
| Annual Energy Savings      | \$14,580.00 |
| Annual Maintenance Savings | \$ 3,912.00 |
| Total Annual Savings       | \$18,492.00 |

|                                   |             |
|-----------------------------------|-------------|
| Total Estimated Com-ed Incentives | \$22,252.00 |
|-----------------------------------|-------------|

|                                        |                    |
|----------------------------------------|--------------------|
| CTS Grant & Permitting Assistance      | \$ 7,200.00        |
| <b>Total CTS Change Order Add Cost</b> | <b>\$ 7,200.00</b> |

### **Option #3: 179<sup>th</sup> Street – LED Street Lighting Upgrade Proposal:**

- CTS will provide the following:
  - o Purchase of 14 GE Evolve Cobra Heads LED Replacement Fixtures. Village will provide installation.
    - Fourteen (14) @ 120 Watts each
    - 4000K, 7-pin receptacle, 120-277V, 10 Year warranty
    - OPTIONS: internal bubble level, IP66 optical, tool-less entry, secondary enhanced surge protection (10kV/5kA)
  - o IDOT Permitting Documentation
  - o Grant Submittal through Com-ed
  - o Note: Utilized \$330/fixture, which is subject to Will Group current pricing and IDOT final approval.
  - o Items Excluded: Installation

|                                         |                    |
|-----------------------------------------|--------------------|
| Annual Energy Savings                   | \$ 1,582.00        |
| Annual Maintenance Savings              | \$ 424.00          |
| Total Annual Savings                    | \$ 2,006.00        |
| <br>Total Estimated Com-ed Incentives   | <br>\$ 2,415.00    |
| <br>CTS Equipment Costs with 10% markup | <br>\$ 5,082.00    |
| CTS Grant & Permitting Assistance       | \$ 1,400.00        |
| <b>Total CTS Change Order Add Cost</b>  | <b>\$ 6,482.00</b> |
| Simple Payback                          | \$ 2.03            |

Please contact me if you have any questions or need additional information. Thanks again.

Sincerely,

Michele A. James  
CTS Account Manager  
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