

IFB 17-29
Technical Specifications

Project Scope: Perform LED conversion of 1,386 existing T8 Vapor Tight Fixtures throughout the parking decks of three municipal parking facilities in downtown Lowell, listed below. Work should be bid with a unit price of installation per fixture, resulting in a not to exceed amount of 1,386 units. Work will be billed at the completion of each garage of actual units installed. Work must be started as soon as possible, and completed at all facilities no later than May 31, 2017. Work must be performed during off hours, M-F 3pm to 11pm, or on Saturdays 7am to 11pm. Overtime or shift differentials will not be paid. This project is subject to prevailing wage. Permit fees will be waived; however, all necessary permits must be obtained.

Phasing: Only one facility may be worked on at a time. Once work at a facility has begun the contractor may not begin the next facility until the one currently being worked on is complete. The parking department will provide at least ½ of a parking deck at a time as a work area, and up to an entire floor. Contractor must maintain a travel lane during working hours, especially important on the lower levels. This work area will result in approximately 50-100 fixtures per work area.

Edward J. Early Parking Facility – 135 Middlesex Street

- Work to be performed by Massachusetts Licensed Electricians
- Disconnect and dispose 571 overhead light ballast
- Remove and dispose existing overhead lamps/bulbs
- Install 571 Remphos LED bar kits, part # RPT-LEDBARKIT-48IN-3000K-2L (product specifications provided in Attachment A), supplied by the City
- All other material needed to install the LED lamps is to be supplied by the contractor
- Contractor to use own tools and ladder to perform work
 - 20ft scissor lift required for 1st floor of the garage, approximately 100 fixtures

Joseph Downes Sr. Parking Facility – 75 John Street

- Work to be performed by Massachusetts Licensed Electricians
- Disconnect and dispose 471 overhead light ballast
- Remove and dispose existing overhead lamps/bulbs
- Install 471 Remphos LED bar kits, Part # RPT-LEDBARKIT-48IN-3000K-2L (product specifications provided in Attachment A), supplied by the City
 - 46 of these 471 fixtures will also require the installation of an emergency backup accessory, part # RPT-ACCESSORY-EMGKIT-HS1-500LM (product specifications provided in Attachment B)
- All other material needed to install the LED lamps is to be supplied by the contractor
- Contractor to use own tools and ladder to perform work

Lower Locks Parking Facility – 90 Warren Street

- Work to be performed by Massachusetts Licensed Electricians
- Disconnect and dispose 344 overhead light ballast
- Remove and dispose existing overhead lamps/bulbs
- Install 344 Remphos LED bar kits, part # RPT-LEDBARKIT-48IN-3000K-2L (product specifications provided in Attachment A), supplied by the City
- All other material needed to install the LED lamps is to be supplied by the contractor
- Contractor to use own tools and ladder to perform work