

PUBLIC LIGHTING AUTHORITY OF DETROIT
SPECIAL PROVISION
FOR
LIGHTING STANDARD COMPLETE ASSEMBLIES AND MATERIALS

CEAWT

Page 1 of 2

18 June 2019

a. Description. Install lighting standard with 139W and 101W luminaires as called for on the plans.

b. Material. Materials for lighting standard with 139W and 101W luminaires are listed on sheets DT-01, DT-02, DT-05, DT-06, DT-07, DT-08 and DT-12 in this project. All extra PLA stock items and all salvaged material to be delivered to the PLA Yard.

PLA Yard Information:

Location: 1135 Beaufait Street, Detroit, Michigan 48207
Contact: Melanie Steele (Stateline) at 313-909-7509 and
John Vernon (PLA) at 313-324-8290
Hours: Monday – Friday 9:30 A.M. to 3:30 P.M. (Must provide 48 hours notice)

c. Measurement and Payment. The work as described will be measured and paid for using the following contract items:

Contract Item (Pay Item)	Pay Unit
_ Bracket Arm, Bolt On, Install.....	Ea
_ Bracket Arm, Bolt On, Rem	Ea
_ Bracket Arm, Clamp On, Install.....	Ea
_ Light Std Fdn, Modified.....	Ea
_ Light Std, Tapered Aluminum	Ea
_ Light Std, Tapered Aluminum, Install	Ea
_ Luminaire, 101W	Ea
_ Luminaire, 101W, Install	Ea
_ Luminaire, 139W	Ea
_ Luminaire, 139W, Install	Ea
_ Tag, Pole.....	Ea

_Bracket Arm, Bolt On, Install will be measured as a unit. The unit shall be as indicated on the plans. The contract unit price each shall be payment in full for furnishing, installing the complete clamp-on bracket arms as indicated on the plans.

_Bracket Arm, Bolt On, Rem will be measured as a unit. The contract unit price each shall be payment in full for removing the bracket arm and rendering the pole in an operating condition.

_Bracket Arm, Clamp On, Install will be measured as a unit. The unit shall be as indicated on the plans. The contract unit price each shall be payment in full for furnishing, installing the complete clamp-on bracket arms as indicated on the plans.

PUBLIC LIGHTING AUTHORITY OF DETROIT
SPECIAL PROVISION
FOR
LIGHTING STANDARD COMPLETE ASSEMBLIES AND MATERIALS

CEAWT

Page 2 of 2

18 June 2019

Light Std Fdn, Modified will be measured as a unit. The contract unit price each shall be payment in full for constructing the foundation and furnishing and installing grounding and ground rods. Pavement, sod, curb and sidewalk removal and replacement, granular material backfill and disposal of waste excavated material are also included. Hand dig entire dept of foundation if there are any underground utilities within 3 feet of the proposed foundation location.

Light Std, Tapered Aluminum will be measured as a unit. The contract unit price each shall be payment in full for purchasing the street light standard and bracket arm along with delivering them to the PLA yard. Contractor is to purchase the additional Public Lighting Authority (PLA) stock items and the PLA will reimburse the contractor for the required stock items.

Light Std, Tapered Aluminum, Install will be measured as a unit. The contract unit price each shall be payment in full for furnishing and installing the street light standard and bracket arms on the foundation; tagging, grounding, cable bonding, fusing, and street lighting circuit connections to provide a complete and operating unit as shown on the plans.

Luminaire, 101W will be measured as a unit. The contract unit price each shall be payment in full for purchasing the luminaire along with delivering it to the PLA yard. Contractor is to purchase the additional Public Lighting Authority (PLA) stock items and the PLA will reimburse the contractor for the required stock items.

Luminaire, 101W, Install will be measured as a unit. The contract unit price each shall be payment in full for furnishing, installing and leveling the luminaire and LED driver; furnishing and installing the lamp cord cable and making all connections to LED driver and luminaire; and furnishing and installing light standard luminaire ID tags as indicated on the plans.

Luminaire, 139W will be measured as a unit. The contract unit price each shall be payment in full for purchasing the luminaire along with delivering it to the PLA yard. Contractor is to purchase the additional Public Lighting Authority (PLA) stock items and the PLA will reimburse the contractor for the required stock items.

Luminaire, 139W, Install will be measured as a unit. The contract unit price each shall be payment in full for furnishing, installing and leveling the luminaire and LED driver; furnishing and installing the lamp cord cable and making all connections to LED driver and luminaire; and furnishing and installing light standard luminaire ID tags as indicated on the plans.

Tag, Pole will be measured as a unit. The contract unit price each shall be payment in full for furnishing and installing a wood pole luminaire ID tag on pole, removing existing tags as necessary, with a luminaire ID tag as indicated on the plans.

PUBLIC LIGHTING AUTHORITY OF DETROIT

SPECIAL PROVISION
FOR
STREET LIGHTING CABLES

CEAWT

Page 1 of 2

17 June 2019

- a. Description.** Install street lighting cables as called for on plans and details.
- b. Material.** Materials for underground street lighting cables are listed on sheets DT-03, DT-04, DT-05, DT-08 and DT-11 in this project.
- c. Measurement and Payment.** The work as described will be measured and paid for using the following contract items:

Contract Item (Pay Item)	Pay Unit
_Cable, Sec, Quadruplex, Aluminum, 4 AWG.....	Ft
_Cable, Sec, Triplex, Aluminum, 4 AWG	Ft
_Cable, Equipment Ground Wire, 1/C#4, Modified	Ft
_Cable, Sec, 600V, 2, 1/C#4, Modified	Ft
_Cable, Sec, 600V, 3, 1/C#4, Modified	Ft
_Cable, Sec, 600V, 4, 1/C#4, Modified	Ft

_Cable, Sec, Quadruplex, Aluminum 4 AWG will be measured in linear feet. The contract unit price per linear foot shall be payment in full for furnishing and installing cable, crossarms, pins, insulators, guys, anchors and pole line hardware; and for making all connections. The length of cable installed will be measured pole-to-pole on the ground with no allowance for sag or trainers.

_Cable, Sec, Triplex, Aluminum 4 AWG will be measured in linear feet. The contract unit price per linear foot shall be payment in full for furnishing and installing cable, crossarms, pins, insulators, guys, anchors and pole line hardware; and for making all connections. The length of cable installed will be measured pole-to-pole on the ground with no allowance for sag or trainers.

_Cable, Equipment Ground Wire, 1/C#4, Modified will be measured in linear feet. The contract unit price per linear foot shall be payment in full for furnishing and installing cable in conduit, racking the cable in manholes and handholes, bonding, and tagging.

_Cable, Sec, 600V, 2, 1/C#4, Modified will be measured in linear feet. The contract unit price per linear foot shall be payment in full for furnishing and installing cable in conduit, racking the cable in manholes and handholes, bonding, and tagging.

_Cable, Sec, 600V, 3, 1/C#4, Modified will be measured in linear feet. The contract unit price per linear foot shall be payment in full for furnishing and installing cable in conduit, racking the cable in manholes and handholes, bonding, and tagging.

PUBLIC LIGHTING AUTHORITY OF DETROIT

SPECIAL PROVISION
FOR
STREET LIGHTING CABLES

CEAWT

Page 2 of 2

17 June 2019

Cable, Sec, 600V, 4, 1/C#4, Modified will be measured in linear feet. The contract unit price per linear foot shall be payment in full for furnishing and installing cable in conduit, racking the cable in manholes and handholes, bonding, and tagging.

PUBLIC LIGHTING AUTHORITY OF DETROIT

SPECIAL PROVISION
FOR
STREET LIGHTING PHOTO CONTROL

CEAWT

Page 1 of 1

18 June 2019

a. Description. Install street lighting photo control and photocell as called for on the plans.

b. Material. Material for street lighting photo control is listed on DT-10 in this project.

c. Measurement and Payment. The work as described will be measured and paid for using the following contract items:

Contract Item (Pay Item)	Pay Unit
_Photo Control, Lighting	Ea
_Photocell, Lighting	Ea

_Photo Control, Lighting will be measured as a unit. The contract unit price each shall be payment in full for furnishing and installing the photo control unit and any additional hardware, cable, grounding and such other material as required to provide a complete job as specified herein and as shown on the plans.

Photocell, Lighting will be measured as a unit. The contract unit price each shall be payment in full for furnishing and installing the photocell and any such other material as required to provide a complete job as specified herein and as shown on the plans.

The locking-type photocell shall be an electronic control based on a solid-state photo sensor and relay switch circuit. Switch operation shall have a rating of 1000 Watts tungsten and 1800 Watts ballast at 105-305 VAC. For high in-rush LED type fixtures, the photocell switch operation shall have an 8 Amp Electronic Ballast rating at 105-305 VAC. The photocell should fail in an ON state. The photocell operating voltage shall be clearly identified on the control housing. The photocell shall be equipped with a 2-5 second delay action eliminating activation by light flashes. The photocell shall be equipped with standard 3-prong twist and locking-type plug connection. The plug connection terminals shall be solid brass. The photocell shall consist of industrial grade electronic components, 510 Joule MOV, solid state light sensor, and silver alloy relay contacts. The photocell shall be 100% factory tested and function within specified light levels. The photocell shall be agency certified and tested accordingly. The photocell shall meet agency standards for locking-type devices and all other requirements of ANSI C136.10-2010. The photocell shall operate over a temperature range of -40°F to 158°F (-40°C to 70°C). The photocell should have a manufactures limited warranty of 12 years minimum. The photocell shall be the electronic dusk-to-dawn type.

PUBLIC LIGHTING AUTHORITY OF DETROIT

SPECIAL PROVISION
FOR
UNDERGROUND STRUCTURES

CEAWT

Page 1 of 1

15 May 2019

a. Description. Install underground structures as called for on the plans.

b. Material. Materials for underground structures are listed under MDOT Section 918.01 and on DT-08, DT-12, DT-13 and DT-14 in this project.

c. Measurement and Payment. The work as described will be measured and paid for using the following contract items:

Contract Item (Pay Item)	Pay Unit
_Conduit, Directional Bored, 2, 3 inch.....	Ft
_Hh, Polymer Conc, Modified	Ea
_Hh, Round, Modified	Ea

_Conduit, Directional Bored, 2, 3 inch per MDOT Specification 819.02.

_Hh, Polymer Conc, Modified will be measured as a unit. The contract unit price each shall be payment in full for furnishing and installing the complete structure as shown on the drawings and as specified herein. Provide covers marked with a logo imprint of "Lighting". The polymer concrete structure must be installed level with the final grade and parallel to the curb. Tag all cables in handhole.

_Hh, Round, Modified will be measured as a unit. The contract unit price each shall be payment in full for furnishing and installing the complete structure as shown on the drawings and as specified herein. Provide covers marked with "PUBLIC LIGHTING AUTHORITY". The frame and cover must be installed level with the final grade. Tag all cables in handhole.