

SCOPE
THE PURPOSE OF THIS CONTRACT IS TO REPLACE CONVENTIONAL LIGHTING FIXTURES FROM HIGH PRESSURE SODIUM (HPS) TO LIGHT EMITTING DIODES (LEDs) DISTRICT WIDE. WORK ALSO INCLUDES REPLACING LIGHT TOWER COMPONENTS AND LUMINAIRES.

COOPERATION BETWEEN CONTRACTORS
THIS CONTRACT MAY BE ENTIRELY OR PARTIALLY WITHIN THE WORK LIMITS OF OTHER CONTRACTS.

THE CONTRACTOR SHALL COOPERATE WITH THE OTHER CONTRACTOR(S) IN ACCORDANCE WITH CMS 105.08 AND ARRANGE A MUTUALLY ACCEPTABLE WORK SCHEDULE, SUBJECT TO THE APPROVAL OF THE ENGINEER. ANY PROPOSED CHANGES TO THIS SCHEDULE SHALL MEET WITH THE APPROVAL OF THE ENGINEER. ANY CONFLICTS BETWEEN CONTRACTORS INVOLVING WORK SCHEDULES, WORK AREA, OR COOPERATION, WILL BE RESOLVED BY THE ENGINEER. THE CONTRACTOR SHALL NOTIFY OTHER CONTRACTORS ANY TIME A CIRCUIT MUST BE ENERGIZED. NO TWO CONTRACTORS MAY WORK ON ENERGIZED CIRCUITS AT THE SAME TIME.

COMPENSATION FOR THE ABOVE COOPERATION WILL BE INCIDENTAL TO THE VARIOUS PAY ITEMS INCLUDED WITH THIS PROJECT.

EQUIPMENT
THE CONTRACTOR SHALL PROVIDE ALL VEHICLES AND EQUIPMENT NEEDED TO PERFORM THE WORK AS DESCRIBED HEREIN. ALL VEHICLES WHICH ARE USED IN THE PERFORMANCE OF ANY WORK UNDER THIS CONTRACT SHALL BE IDENTIFIED WITH THE CONTRACTOR'S NAME WHENEVER SUCH VEHICLES ARE ON THE PROJECT. ALL PROJECT VEHICLES AND EQUIPMENT SHALL MEET THE REQUIREMENTS FOR WARNING LIGHTS AND MARKINGS AS DEFINED IN CMS 614.03.

RESTORATION AND CLEAN-UP
THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION EQUAL TO THE EXISTING CONDITION BEFORE THE WORK WAS STARTED, AS PER CMS 104.04.

BROKEN GLASSWARE FROM LIGHTING UNITS IN THE WORK AREA SHALL BE CLEANED UP BY THE CONTRACTOR. THE BROKEN GLASSWARE SHALL BE CLEANED BY SWEEPING UP THE AREA SO THAT IT IS FREE OF BROKEN GLASS. THE GLASS WHICH IS SWEEPED UP SHALL BE DISPOSED OF IN REGULAR RUBBISH DISPOSAL UNITS.

THE CONTRACTOR SHALL REPLACE SEEDED AND SODDED AREAS, PAVED SHOULDERS, AND ALL OTHER DISTURBED SURFACES TO A CONDITION EQUAL TO THAT EXISTING BEFORE WORK WAS STARTED (SEE CMS 107.10). ALL REPLACEMENTS SHALL BE DONE IN ACCORDANCE WITH THE PERTINENT SPECIFICATION ITEM AND AS DIRECTED BY THE ENGINEER.

FACILITIES
THE CONTRACTOR SHALL PROVIDE A STORAGE FACILITY AREA FOR STOCKING ALL LUMINAIRES. THIS FACILITY SHALL BE CENTRALLY LOCATED WITHIN THE PROJECT AREA.

SUBMITTALS
THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL AT THE PRE-CONSTRUCTION MEETING:

1. A COMPLETE SET OF ALL FORMS, SCHEDULES, AND PROCEDURES TO BE USED BY THE CONTRACTOR IN THE PERFORMANCE OF THIS CONTRACT.

CLEARING AND GRUBBING
ALTHOUGH THERE ARE NOT TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THIS PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

EXISTING LED LUMINAIRES OR FIXTURES UNABLE TO REPLACE
IF THE CONTRACTOR ENCOUNTERS LIGHT POLES WITH EXISTING LED LUMINAIRES OR POLES INADVERTENTLY LOCATED INSIDE ANOTHER ACTIVE CONSTRUCTION SITE, THE SITUATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND DISTRICT LIGHTING PERSONNEL BEFORE REPLACING ANY LUMINAIRES. IF THE DISTRICT ELECTS TO NOT REPLACE, THE LED LUMINAIRE SHALL BE TURNED OVER TO THE DISTRICT AS "FURNISHED ONLY".

THE FOLLOWING PAY ITEMS SHALL BE USED FOR WORK AS DESCRIBED ABOVE.

ITEM 625, LUMINAIRE MISC: CONVENTIONAL SOLID STATE (LED) (FURNISH ONLY) 50 EACH.
ITEM 625, LUMINAIRE MISC: UNDERPASS, SOLID STATE (LED) (FURNISH ONLY) 20 EACH.

ITEM 625 - POWER SERVICE, AS PER PLAN
THIS WORK SHALL CONSIST OF REPLACING AN EXISTING POWER SERVICE AS SPECIFIED ON SHEET 12 WITH A NEW METERED POWER SERVICE OF THE SAME VOLTAGE AND 2 OR 3 WIRE STYLE.

POWER SERVICE SHALL BE AS PER SPECIFICATION 625 AND STANDARD CONSTRUCTION DRAWING HL-40.20 WITH THE FOLLOWING EXCEPTIONS:

1. THE METER BASE MOUNTING HEIGHT SHALL BE NO MORE THAN FIVE (5) FEET HIGH TO THE CENTER OF THE METER BASE FROM THE GROUND.
2. THE CONTRACTOR SHALL SUPPLY THE NECESSARY METER BASES.
3. ALL POWER SERVICES SHALL BE METERED. THE METER SHALL HAVE A LEVER OPERATED BYPASS.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL AN ADDRESS STICKER WITH 4-INCH LETTERING TO THE CABINET. ADDRESS MUST BE VISIBLE FROM THE STREET.

DISCONNECT SWITCH ENCLOSURES FURNISHED SHALL INCLUDE A PADLOCK EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNON 660, WITH LOCK BODY OF BRONZE OR BRASS AND KEYING SHALL BE TO THE STATE MASTER.

THE CONTRACTOR SHALL CONTACT THE METER SECTION OF THE POWER COMPANY FOR INFORMATION REGARDING THE METER BASE INSTALLATION PRIOR TO ORDERING POLES. THE CONTRACTOR WILL BE RESPONSIBLE FOR REQUESTING AND SCHEDULING ANY INSPECTIONS THE POWER COMPANY MAY REQUIRE FOR THE POWER SERVICE HOOK UP. THE CONTRACTOR SHALL CONTACT ODOT DISTRICT 8 TRAFFIC OPERATIONS TO OBTAIN THE POWER SERVICE ADDRESS TO BE USED FOR ON ALL INSPECTIONS. THE CONTRACTOR SHALL CONTACT TERI SCANLON AT Teri.Scanlon@dot.ohio.gov AT LEAST 60 DAYS PRIOR TO ACTIVATING A NEW POWER SERVICE FOR ASSISTANCE WITH COORDINATING A POWER SERVICE ADDRESS AND THE APPLICATIONS FOR POWER. ONCE THE INSTALLATION HAS PASSED INSPECTION, THE CONTRACTOR WILL NOTIFY THE PROJECT ENGINEER WHO WILL IN TURN NOTIFY ODOT DISTRICT 8 TRAFFIC OPERATIONS. ODOT DISTRICT 8 TRAFFIC OPERATIONS WILL THEN MAKE APPLICATION FOR POWER FROM THE UTILITY.

UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR SPLICE POWER CABLE INTO THE POWER COMPANY'S CIRCUITS. THE VOLTAGE SUPPLIED SHALL BE NOMINALLY 480 VOLTS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS AND THE PAYING OF ALL FEES. THE EXISTING METER, IF APPLICABLE, IS THE PROPERTY OF THE POWER COMPANY AND SHALL NOT BE REMOVED BY THE CONTRACTOR. PRIOR TO THE EXISTING POWER SERVICE REMOVAL, ODOT DISTRICT 8 TRAFFIC OPERATIONS WILL REQUEST THE REMOVAL OF THE METER AND CLOSURE OF THE ACCOUNT.

THE DEPARTMENT WILL MEASURE ITEM 625, POWER SERVICE, AS PER PLAN, BY THE NUMBER OF COMPLETE UNITS AND WILL INCLUDE: NECESSARY HARDWARE, INSTALLATION OF METER BASE, GROUND WIRE CONNECTIONS, DISCONNECT SWITCH WITH ENCLOSURE, AND COORDINATION WORK WITH UTILITIES.

ANY ADDITIONAL CABLE OR WOOD POLES NECESSARY TO ESTABLISH A POWER SERVICE WITH THE UTILITY COMPANY SHALL BE COVERED UNDER SEPARATE PAY ITEMS.

ITEM 625, LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN
THE CONTRACTOR SHALL FURNISH AND INSTALL CONVENTIONAL LED LUMINAIRES AS SPECIFIED BELOW AND PER SHEET 12. FURNISH ACCEPTABLE FIXTURES MEETING SS 813 PER ODOT'S OFFICE OF ROADWAY ENGINEERING APPROVED MATERIALS LIST DATED 5/13/26 AND AS SPECIFIED BELOW FOR HIGH PRESSURE SODIUM (HPS) FIXTURES SHOWN ON SHEET 12. ALL FIXTURES SHALL HAVE I.E.S. TYPE III DISTRIBUTION.

Conventional HPS Fixture Wattage	200 Watt		
Equivalent LED Fixture Lumens Range	10,000-11,000 Lumens		
LED Fixture 1	Current Evolve Product Family		
LED Fixture 2	AEL Autobahn Product Family		
LED Fixture 3	Signify/Lumec RoadFocus LED Family		
Fixture Voltage	480 Volt	240 Volt	
Total Quantity	791	10	

Conventional HPS Fixture Wattage	310 Watt		
Equivalent LED Fixture Lumens Range	15,000-18,000 Lumens		
LED Fixture 1	Current Evolve Product Family		
LED Fixture 2	AEL Autobahn Product Family		
LED Fixture 3	Signify/Lumec RoadFocus LED Family		
Fixture Voltage	480 Volt		
Total Quantity	186		

Conventional HPS Fixture Wattage	400 Watt		
Equivalent LED Fixture Lumens Range	20,000-24,000 Lumens		
LED Fixture 1	Current Evolve Product Family		
LED Fixture 2	AEL Autobahn Product Family		
LED Fixture 3	Signify/Lumec RoadFocus LED Family		
Fixture Voltage	480 Volt		
Total Quantity	54		

ITEM 625, LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN
THE CONTRACTOR SHALL FURNISH AND INSTALL UNDERPASS LED LUMINAIRES AS SPECIFIED BELOW AND PER SHEET 13. FURNISH ACCEPTABLE FIXTURES MEETING SS 813 PER ODOT'S OFFICE OF ROADWAY ENGINEERING APPROVED MATERIALS LIST DATED 5/13/26 AND AS SPECIFIED BELOW FOR HIGH PRESSURE SODIUM (HPS) FIXTURES SHOWN ON SHEET 13.

Conventional HPS Fixture Wattage	70 Watt		
Equivalent LED Fixture Lumens Range	2,320-2,610 Lumens		
LED Fixture 1	Current Evolve Product Family		
LED Fixture 2	Holophane WallConnect LED Product Family		
LED Fixture 3	Cooper Lighting WKP LED Product Family		
Fixture Voltage	480 Volt		
Total Quantity	127		

Conventional HPS Fixture Wattage	100 Watt		
Equivalent LED Fixture Lumens Range	3,800-4,275 Lumens		
LED Fixture 1	Current Evolve Product Family		
LED Fixture 2	Holophane WallConnect LED Product Family		
LED Fixture 3	Cooper Lighting WKP LED Product Family		
Fixture Voltage	480 Volt	240 Volt	
Total Quantity	32	15	

Conventional HPS Fixture Wattage	150 Watt		
Equivalent LED Fixture Lumens Range	6,400-7,200 Lumens		
LED Fixture 1	Current Evolve Product Family		
LED Fixture 2	Holophane WallConnect LED Product Family		
LED Fixture 3	Cooper Lighting WKP LED Product Family		
Fixture Voltage	480 Volt		
Total Quantity	14		

DESIGN AGENCY



DESIGNER

PMM

REVIEWER

TCS 05/01/26

PROJECT ID

123561

SHEET

P.8

TOTAL

23