

**GENERAL LIGHTING NOTES:**

ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE, THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND ANY APPLICABLE LOCAL CODES. IF DISCREPANCIES EXIST THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER TO DETERMINE THE PROPER COURSE OF ACTION.

ALL PAY ITEMS REFER TO IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123.

CONDUIT SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES.

CARE SHALL BE TAKEN NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, DETECTORS, AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUIT AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE COUNTY, STATE, OR VILLAGE.

ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THE WORK WILL NOT BE PAID FOR SEPARATELY, AND SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE PAY ITEM.

ALL PROPOSED LIGHT POLES SHALL SATISFY IDOT'S MINIMUM SETBACK REQUIREMENTS.

THE CONTRACTOR SHALL MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND CONTROLLERS FOR VERIFICATION AND APPROVAL BY THE ENGINEER, PRIOR TO STARTING WORK.

ALL MEASUREMENTS ARE APPROXIMATE, VERIFY IN FIELD. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.

IF LIGHTS ARE POSITIONED NEAR OVERHEAD UTILITIES, THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITY FOR LOCATION APPROVAL.

UNLESS OTHERWISE NOTED, ALL CONDUIT PROVIDED BY THIS CONTRACT SHALL BE EITHER 1 1/2" OR 2", GALVANIZED STEEL CONDUIT, CONFORMING TO SECTION 108B.01(a) OF IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

UNLESS OTHERWISE NOTED, ALL CONVENTIONAL POLES SHALL BE FRANGIBLE WITH BREAKAWAY TRANSFORMER BASES, AS SPECIFIED.

NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL A STORAGE LOCATION AND ALL PERTINENT SUBMITTALS HAVE BEEN APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS SHALL REMAIN WITH THE CONTRACTOR.

CONTRACTOR SHALL COORDINATE ALL SERVICE CONNECTIONS WITH THE LOCAL UTILITY COMPANY.

THE ELECTRICAL SUPPLY SHALL BE A PROPERLY GROUNDED AC SYSTEM.

ALL FOUNDATIONS SHALL BE EQUIPPED WITH A GROUNDING ROD, AS SPECIFIED, AND SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE PAY ITEM.

GROUNDING CONNECTIONS AT THE FOUNDATIONS SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO FRAMING LIGHT POLE.

THE GROUNDING CONDUCTOR SHALL BE INSULATED.

THE GROUNDING CONDUCTOR SHALL EXTEND CONTINUOUSLY WITH ALL CIRCUIT CONDUCTORS, IN THE SAME RACEWAY, AND SHALL BE BONDED TO THE SYSTEM GROUND AT THE SERVICE DISCONNECT.

THE GROUNDING CONDUCTOR SHALL BE SPLICED AND BONDED AT EACH POLE.

ALL CONDUCTORS AND EQUIPMENT SHALL HAVE PROPER OVERCURRENT PROTECTION. OVERCURRENT PROTECTION SHALL BE PROVIDED FOR EACH LUMINAIRE AND ITS ASSOCIATED BRANCH CIRCUIT THROUGH THE USE OF POLE BASE FUSING, OR OTHER MEANS AS APPROVED BY THE ENGINEER.

NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.

POLES WITH MAST ARMS SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES, AND THE PROPOSED LIGHT POLES WILL NOT BE CONSIDERED COMPLETE WITHOUT THE LUMINAIRES INSTALLED.

THE PROPOSED LIGHTING SYSTEM SHALL BE INSTALLED AND COMPLETELY OPERATIONAL, TO THE SATISFACTION OF THE ENGINEER, BEFORE THE TEMPORARY LIGHTING IS REMOVED.

UPON COMPLETION OF THE PERMANENT LIGHTING SYSTEM, THE CONTRACTOR SHALL REQUEST IN WRITING A PREFINAL INSPECTION. A MINIMUM OF THREE DAYS NOTICE SHALL BE GIVEN TO THE COUNTY. UPON COMPLETION OF INSPECTION AND APPROVAL OF WORK, THE COUNTY SHALL TAKE MAINTENANCE OF THE LIGHTING SYSTEM.

LUMINAIRE SCHEDULE	
Item:	Description:
F1	250W HPS luminaire Cobra Head Fixture 240V, 1 Phase, 2 Wire Type III Distribution
F2	310W HPS luminaire Cobra Head Fixture 240V, 1 Phase, 2 Wire Type III Distribution
F3	400W HPS luminaire Cobra Head Fixture 240V, 1 Phase, 2 Wire Type III Distribution

The contractor shall coordinate with the engineer prior to ordering material from the manufacturer. The complete product description and specifications shall be coordinated with the catalog number to determine the exact materials and accessories to be ordered.

Light Pole ID	Circuit		
	Existing	Temporary	Permanent
CA1	-	-	A
CA2	C	B	A
CA3	C	B	A
CA4	C	B	A
CA5	C	B	A
CB1	-	-	B
CB2	-	-	B
CB3	A	A	B
CB4	-	-	B
CB5	-	-	B
CB6	-	-	B
CB7	-	-	B
CB8	A	C	B
CB9	A	C	B
CB10	A	C	B
CC1	-	-	C
CC2	C	C	C
CC3	C	C	C
CC4	C	C	C
CC5	A	C	C
CC6	A	C	C
CC7	A	C	C
CD1	-	-	D
CD2	A	B	D
CD3	A	B	D
CD4	C	B	D
CD5	C	B	D
CD6	C	B	D
CD7	C	B	D
T1	-	A	-
T2	-	A	-
T3	-	A	-
T4	-	A	-
T5	-	A	-
T6	-	A	-
T7	-	B	-
T8	-	B	-
T9	-	C	-
T10	-	C	-