

LIGHTING GENERAL NOTES

- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC.
- UNIT DUCT SHALL BE SCH 40 HDPE WITH XLP-TYPE USE CABLES, SIZES AS SHOWN ON PLANS.
- LUMINAIRES SHALL BE LEVEL & BE SECURED ON MAST OR TENON ARMS TO THE OWNER'S SATISFACTION. THIS WORK SHALL INCLUDE FIELD ADJUSTING OF THE LUMINAIRE WHICH WILL BE INCLUDED IN THE "LUMINAIRE" OR "ORNAMENTAL LIGHT UNIT COMPLETE" PAY ITEMS.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT FROM THE CITY OF WYOMING OR STARK COUNTY BEFORE THE START OF WORK, ANY COST FOR PERMIT SHALL BE INCLUDED IN THE TOTAL COST OF THE CONTRACT.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", AS PREPARED BY IDOT.
 - "THE NATIONAL ELECTRICAL CODE".
 - MUNICIPAL CODES & STANDARDS.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DRAWINGS AND SPECIFICATIONS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS, BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.
- NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH OR WITHOUT MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES. THE CONTRACTOR SHALL NOT BE PAID FOR POLES UNTIL LUMINAIRES ARE INSTALLED.
- NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE OWNER'S REPRESENTATIVE.
- THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND LIGHTING CONTROLLERS FOR EXAMINATION AND CONFIRMATION WITH THE OWNER'S REPRESENTATIVE. ALL UTILITIES SHALL BE LOCATED PRIOR TO MARKING PROPOSED LOCATIONS.
- GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE MECHANICAL TYPE UL LISTED FOR DIRECT BURIAL USE, AS SPECIFIED, AND SHALL BE REVIEWED BY THE OWNER'S REPRESENTATIVE PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE.
- THE INSTALLATION OF BURIED WARNING TAPE, SHALL BE REVIEWED BY THE RESIDENT ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY FOR TIMELY NOTIFICATION AND COORDINATION WITH THE ELECTRICAL UTILITY COMPANY FOR SERVICE TO THE PROPOSED LIGHTING SYSTEM(S).
- THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPLICE/CONNECTION POINT. WIRE MARKERS SHALL BE MECHANICALLY FASTENED WHITE PLASTIC, TYPE "PLM" AS MANUFACTURED BY PANDUIT OR EQUAL.
- EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT PER ARTICLE 806 OF THE STANDARD SPECIFICATIONS.
- THE LIGHTING CONTROLLER TOGETHER WITH ALL OF ITS COMPONENTS SHALL BE UL LISTED AS AN "INDUSTRIAL CONTROL PANEL" UNDER UL508A.
- ALL DISTURBED AREA WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. THE WORK WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS INCLUDING ALL ABOVE AND BELOW GRADE APPURTENANCES. THE CONTRACTOR SHALL REPAIR ALL DAMAGE TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT NO ADDITIONAL COST TO THE OWNER. THE COST ASSOCIATED FOR THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE CONTRACT.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE OWNER'S REPRESENTATIVE UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES & CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL PROVIDE A GUARANTEE FOR ALL MATERIAL AND WORKMANSHIP FOR ONE YEAR AFTER THE DATE OF ACCEPTANCE.
- THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. THE ELECTRICAL TESTING SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

SIDEWALK REMOVAL AND REPLACEMENT		
STATION	REMOVE	REPLACE
SEVENTH ST.	SF	SF
9+78 TO 10+13 R	0	143
12+25 TO 12+45 R	0	90
9+79 L	75	75
9+79 R	75	75
10+45 L	75	75
10+45 R	75	75
11+09 L	75	75
11+08 R	75	75
11+62 R	75	75
11+66 L	75	75
12+35 R	75	75
12+72 L	75	75
14+05 R	75	75
14+08 L	75	75
14+64 L	75	75
14+64 R	75	75
15+09 L	75	75
15+09 R	75	75
15+49 L	75	75
15+49 R	75	75
WILLIAMS ST.	SF	SF
21+80 L	75	75
21+98 R	75	75
22+56 L	75	75
22+56 R	75	75
23+24 R	75	75
23+32 L	75	75
23+93 R	75	75
30+39 L	75	75
31+14 L	75	75
31+24 R	75	75
31+27 TO 33+83 L	2112	2435
31+90 R	75	75
32+65 R	75	75
33+40 TO 33+70 R	108	108
TOTAL	4470	5026

SOILS				
STATION	TOPSOIL SY	SEEDING ACRE	FERTILIZER* LB	EROSION CONTROL BLANKET SY
22+56 L	25	0.005	0.5	25
23+32 L	25	0.005	0.5	25
TOTAL	50	0.1	1	50

*1/3 NITROGEN 1/3 PHOSPHOROUS 1/3 POTASSIUM

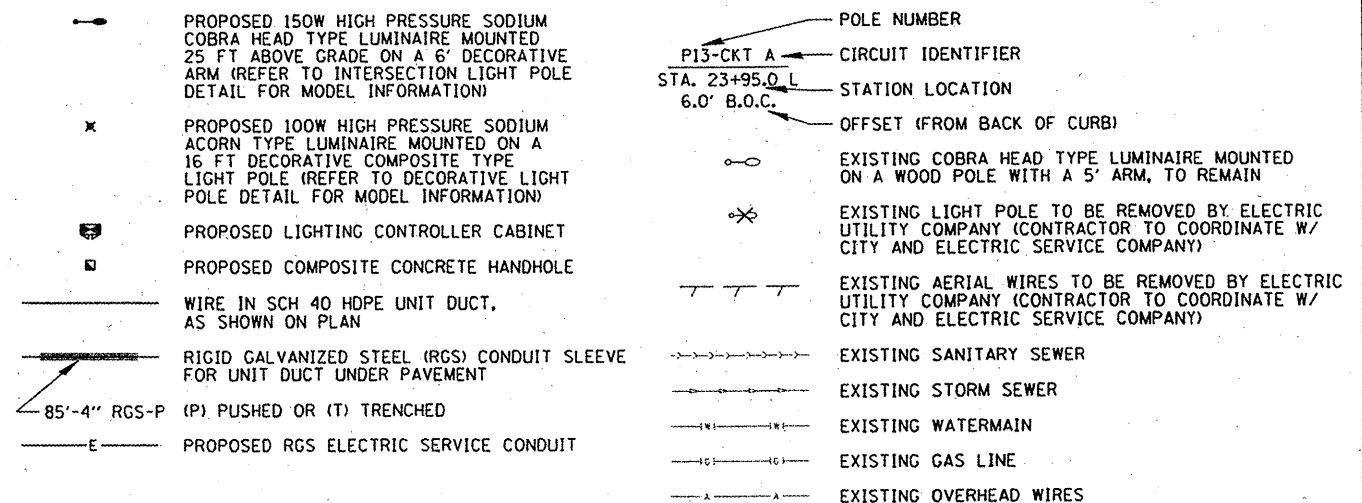
DETECTABLE WARNINGS	
STATION	SF
32+24 L	10

CLASS D PATCHES SCHEDULE	
STATION	SY
10+80 R	3.9
11+35 R	3.9
12+48 CROSS	4.7
13+98 CROSS	5.5
31+06 R	2.3
33+65 CROSS	4.7
TOTAL	25

CODE NO.	DESCRIPTION	UNIT	QUANTITY
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	50
25000210	SEEDING, CLASS 2A	ACRE	0.01
25000400	NITROGEN FERTILIZER NUTRIENT	LB	1
25000500	PHOSPHORUS FERTILIZER NUTRIENT	LB	1
25000600	POTASSIUM FERTILIZER NUTRIENT	LB	1
25100630	EROSION CONTROL BLANKET	SO YD	50
Δ 42400420	PORTLAND CEMENT CONCRETE SIDEWALK, 4" SPECIAL	SO FT	5026
Δ 42400800	DETECTABLE WARNINGS	SO FT	10
Δ 44000600	SIDEWALK REMOVAL	SO FT	4470
Δ 44201785	CLASS D PATCHES, TYPE 1, 12 INCH	SO YD	25
67100100	MOBILIZATION	L SUM	1
*70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
72000100	SIGN PANEL - TYPE 1	SO FT	2
72900110	METAL POST - TYPE A	EACH	1
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81018600	CONDUIT PUSHED, 2 1/2" DIA. GALV. STEEL	FOOT	130
81018900	CONDUIT PUSHED, 4" DIA. GALV. STEEL	FOOT	190
81028030	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 1"	FOOT	50
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	5
82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	6
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	228
*X0326654	ORNAMENTAL LIGHT UNIT COMPLETE	EACH	28
*X0321766	LIGHT POLE, SPECIAL (DECORATIVE ORNAMENTAL)	EACH	28
*XX005560	LIGHT POLE, ALUMINUM, 25 FT. M.H., 6 FT. MAST ARM	EACH	6
81603800	UNIT DUCT, 600V, 8-1/4 NO. 8, 1/4 NO. 8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	800
81603600	UNIT DUCT, 600V, 6-1/4 NO. 8, 1/4 NO. 8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	2,550
82500335	LIGHTING CONTROLLER PEDESTAL MOUNTED 240 VOLT 100 AMP	EACH	1

• INDICATES SPECIAL PROVISION
 ** INDICATES THAT ALL UNIT DUCT SHALL BE DIRECTIONALLY BORED AND PULLED. THE COST OF THE DIRECTIONAL BORING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EACH OF THE UNIT DUCT PAY ITEMS. SEE SHEET #3 OF 7 AND SHEET #6 OF 7 FOR CONDUIT SCHEDULES
 Δ SPECIALTY ITEMS

LIGHTING LEGEND



FILE NAME : P:\09519\Civil\DOT_090519_02.SHT	USER NAME : DWright	DESIGNED : GAH	REVISED : -
	PLOT SCALE : 40'	DRAWN : KB	REVISED : -
	PLOT DATE : 2/1/2010	CHECKED : AJD	REVISED : -
		DATE : 11-06-2009	REVISED : -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DOWNTOWN LIGHTING PROJECT
GENERAL NOTES SCHEDULES AND SUMMARY OF QUANTITIES

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