

## GENERAL CONSTRUCTION NOTES ROADWAY AND AREA LIGHTING

### SPECIFICATIONS

THE LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND THE "NATIONAL ELECTRIC CODE" SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT.

### CARE IN EXCAVATION

CARE SHALL BE EXERCISED BY THE CONTRACTOR IN CARRYING OUT EARTH AND/OR TRENCHING OPERATIONS SO THAT LOCAL UTILITY SERVICES, WATER VALVES, MANHOLES, CATCH BASINS, INLETS, BUFFALO BOXES, AND OTHER STRUCTURES ARE NOT DAMAGED OR REMOVED. ANY DAMAGE DONE BY THE CONTRACTOR, WHETHER THE STRUCTURE OR SERVICE IS VISIBLE AT THE GROUND SURFACE OR NOT, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 105.07 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

### EXCAVATED MATERIALS

THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL SURPLUS TRENCH SPOIL MATERIALS OFF THE SITE AS WORK PROGRESSES. THE TEMPORARY STOCKPILING OF THIS MATERIAL ON THE PROJECT SITE WILL NOT BE ALLOWED.

### NOTIFICATION OF PUBLIC UTILITIES

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OFFICIALS OF THE PUBLIC WORKS DEPARTMENT OF THE LOCAL MUNICIPALITY, J.U.L.I.E. AT 1-800-892-0123 OR 811, AND OTHER PUBLIC AND PRIVATE UTILITIES SO THAT ARRANGEMENTS CAN BE MADE TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AS WELL AS TO PROVIDE ADEQUATE PROTECTION AND INSPECTION THERETO. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.

### TRAFFIC CONTROL DEVICES

BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

### PROTECTION OF SIGNS AND PROPERTY

ALL TRAFFIC SIGNS, STREET SIGNS, ETC., THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND PLACED AT NEW LOCATIONS AS DESIGNATED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED AT NO ADDITIONAL COST IN ACCORDANCE WITH ARTICLES 107.20 AND 107.21 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

### SUPERINTENDENCE

SPECIAL ATTENTION IS DRAWN TO ARTICLE 105.06 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WHICH REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVING CONTROL OF ALL THE WORK AS THE AGENT OF THE GENERAL CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.

### SCHEDULE OF OPERATIONS

THE CONTRACTOR SHALL SUBMIT IN WRITING A "SCHEDULE OF OPERATIONS" SHOWING APPROXIMATE DATES FOR COMMENCING AND COMPLETING VARIOUS PHASES OF CONSTRUCTION INCLUDED IN THE CONTRACT. PRIOR TO COMMENCING ANY CONSTRUCTION UNDER THIS CONTRACT, THE SCHEDULE SHALL HAVE THE APPROVAL OF THE ENGINEER AND THE DATE FOR STARTING SHALL BE MUTUALLY AGREED UPON BETWEEN THE CONTRACTOR AND THE ENGINEER.

### SAWING EXISTING IMPROVEMENTS

ALL PERMANENT TYPE PAVEMENTS OR OTHER PERMANENT IMPROVEMENTS WHICH ABOUT THE PROPOSED IMPROVEMENT AND MUST BE REMOVED, SHALL BE SAWED AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST FOR THE REMOVAL OF EACH ITEM, AND REPLACEMENT WILL BE PAID FOR UNDER THE RESPECTIVE ITEMS IN THE CONTRACT UNLESS OTHERWISE INDICATED. SAW CUTTING FOR PATCHES WILL BE INCLUDED IN THE COST OF TO THE PATCHING ITEM. EXISTING DRIVEWAY PAVEMENT AND SIDEWALK TO REMAIN IN PLACE SHALL BE SAWCUT TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND THE EXISTING, AND SUCH COST SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

### TREES AND BRANCHES

WHERE OVERHANGING BRANCHES INTERFERE WITH OPERATIONS OF CONSTRUCTION, SAID BRANCHES SHALL BE TRIMMED AND SEALED IN ACCORDANCE WITH SECTION 253.09 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE COST OF SAME SHALL BE INCLUDED IN THE COST OF THE CONTRACT. IF TREES OR SHRUBS MUST BE REMOVED, THEY WILL BE PAID FOR IN ACCORDANCE WITH THE SPECIFICATIONS.

### ENGINEER ADJUSTMENTS

THE ENGINEER RESERVES THE RIGHT TO ADJUST THE LOCATIONS OF LIGHT POLES, CONDUIT PUSHES, TRENCH LINES, AND OTHER APPURTENANCES TO NEW LOCATIONS DEPENDING UPON THE LOCATION OF OTHER FACILITIES THAT MAY CONFLICT WITH THE NEW LIGHTING SYSTEM.

### PROJECT SAFETY

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

THE CONTRACTOR SHALL COMPLY WITH AND OBSERVE THE RULES AND REGULATIONS OF O.S.H.A. AND APPROPRIATE AUTHORITIES REGARDING SAFETY PROVISIONS. THE CONTRACTOR, ENGINEER, AND OWNER SHALL EACH BE RESPONSIBLE FOR THEIR OWN RESPECTIVE AGENTS AND EMPLOYEES.

THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS, OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE DOCUMENTS AND SPECIFICATIONS.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

## PROJECT CONSTRUCTION NOTES

- 1) THE EXISTING LIGHTS ARE TO BE REMOVED, NO SALVAGE, UPON COMPLETION OF THE PROJECT.
- 2) ALL TRENCHING FOR PLACEMENT OF CABLE OF CONDUIT SHALL BE AS DIRECTED BY THE ENGINEER, AND SHALL BE PLACED AT A MINIMUM OF THIRTY (30) INCHES BELOW GRADE.
- 3) POLE LOCATIONS SHALL BE SETBACK 4.5' FROM THE BACK OF CURB TO THE FACE OF THE POLE, AND TWO (2) INCHES ABOVE THE NATURAL GRADE OF THE GROUND AT THE LOCATION OF THE FOUNDATION, UNLESS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 4) ALL PROPOSED POLES WILL BE CONNECTED TO NEW BREAKERS ON EXISTING CONTROLLERS IN THE CITY OF BERWYN.
- 5) THE CONTRACTOR SHALL REMOVE ALL WEED GROWTH IN THE TOPSOIL AREAS AND DISTURBED PARKWAY AREAS PRIOR TO PLACEMENT OF SOD. ANY GROWTH OVER EIGHT INCHES (8") IN HEIGHT MUST BE TEMPORARILY MOWED PRIOR TO REMOVAL.
- 6) THE ENGINEER SHALL APPROVE THE TIME OF EACH OF THE SEVEN (7) OR TWENTY (20) FREE WATERINGS THAT ARE INCLUDED IN THE SOD PLACEMENT ITEM. WATERINGS SHALL NOT BE "BACK-TO-BACK", UNLESS SOD SHOWS SEVERE LEVELS OF STRESS.
- 7) TRAFFIC CONTROL PROVISIONS OF SECTION 700, 701 AND 702 WILL BE STRICTLY ENFORCED. THE CONTRACTOR SHALL BE ALERT TO POST ALL NECESSARY SIGNAGE, HAVE FLAGGERS AT LOCATIONS OF RESTRICTED LANE OPERATIONS, AND TAKE DOWN THE SIGNAGE WHEN THE WORK IS COMPLETED.
- 8) FOR PURPOSES OF WATER SOD OR SUPPLEMENTAL WATERING, THE CITY OF BERWYN WILL FURNISH THE WATER AT NO COST, BUT THE CONTRACTOR MUST USE A WATER TRUCK FOR PLACEMENT OF WATER AND FILL UP AT THE PUBLIC WORKS YARD ON NEW AVE. WATERING DIRECTLY FROM A HYDRANT WILL NOT BE ALLOWED. THE CONTRACTOR MAY NOT OPEN ANY VALVES.
- 9) THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR WITH THE UTILITY COMPANY.
- 10) SAW CUTTING AND REPLACEMENT OF CONCRETE SIDEWALKS WHERE DIRECTED BY THE ENGINEER SHALL BE PAID FOR UNDER THE ITEM "P.C. CONCRETE SIDEWALK" AND "SIDEWALK REMOVAL".

### HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE	PERCENT AIR VOIDS
<b>PATCHING</b> PAVEMENT REMOVAL AND REPLACEMENT (HMA SURFACE, MIX D, N50, 1 1/2" IL-9.5mm) (LEVELING BINDER (HAND METHOD), N50, 1 1/2" IL-9.5mm)	PG 64-22	4% @ 50 GYR

THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

FILE NAME = FAU 2775 (OAK PARK AVENUE) FAP 0311 (OGDEN AVENUE) TO FAU 3734 (34TH STREET) FAU 1468 (31ST STREET TO FAU 1453 (CERMAK ROAD) OAK PARK AVENUE ARTERIAL STREET LIGHTING	USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED -- BAH DRAWN -- BAH CHECKED -- JEF DATE -- 5-31-11	REVISED -- BAH 7-11-11 REVISED -- BAH 10-14-11 REVISED -- REVISED --
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

### GENERAL AND PROJECT CONSTRUCTION NOTES STANDARD SYMBOLS

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

## OTHER SYMBOLS (FOR USE ON PLAN SHEETS)

⚡	PROPOSED UNDERPASS LUMINAIRE, RED CIRCUIT
⚡	PROPOSED UNDERPASS LUMINAIRE, BLACK CIRCUIT
●—○	PROPOSED LIGHTING UNIT, OVERHEAD = RED CIRCUIT, ORNAMENTAL = BLACK CIRCUIT
○—●	PROPOSED LIGHTING UNIT, OVERHEAD = BLACK CIRCUIT, ORNAMENTAL = RED CIRCUIT
(RE)	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE
△ M	MODIFY EXISTING COMBINATION POLE
◇ P	PARKING LANE
←	TRAVEL LANE
↩	LEFT-TURN LANE
—W-6"	WATER MAIN
—G-6"	GAS MAIN
COMB. 15"	COMBINED SEWER
---	EXISTING ELECTRICAL
----	PROPOSED ELECTRICAL

## PROPOSED LUMINAIRE LEGEND (FOR USE ON PLAN SHEETS)

- Ⓐ LP = 33' MH, 6' MA, LUMINAIRE = 100W, HPS, MC III, 240V (PHASE TO NEUTRAL) W/ 1 MID-MOUNT ORNAMENTAL AT 16.5' MH, LUMINAIRE = 50W, HPS, MC III, 240V (PHASE TO NEUTRAL)
- Ⓑ LP = 33' MH, 6' MA, LUMINAIRE = 150W, HPS, MC III, 240V (PHASE TO NEUTRAL) W/ 1 MID-MOUNT ORNAMENTAL AT 16.5' MH, LUMINAIRE = 50W, HPS, MC III, 240V (PHASE TO NEUTRAL)
- Ⓒ LP = 33' MH, 6' MA, LUMINAIRE = 250W, HPS, MC III, 240V (PHASE TO NEUTRAL) W/ 1 MID-MOUNT ORNAMENTAL AT 16.5' MH, LUMINAIRE = 50W, HPS, MC III, 240V (PHASE TO NEUTRAL)
- Ⓓ UNDERPASS LUMINAIRE = 10' MH, WALL MOUNTED = 50W, HPS, MC IV, 240V (PHASE TO NEUTRAL)
- Ⓔ UNDERPASS LUMINAIRE = 11' MH, WALL MOUNTED = 70W, HPS, MC IV, 240V (PHASE TO NEUTRAL)

## EXISTING LUMINAIRE LEGEND (FOR USE ON PLAN SHEETS)

- ① LP = 16'6" MH, NO MA, LUMINAIRE = 150W, HPS, MC III, 240V
- ② LP = 16'6" MH, NO MA, LUMINAIRE = 150W, HPS, MC V, 240V
- ⑥ LP = 33' MH, 10' MA, LUMINAIRE = 250W, HPS, MC III, 240V
- ⑦ LP = 34' MH, 6' MA, LUMINAIRE = 400W, HPS, MC II, 240V
- ⑧ LP = 33' MH, 6' MA, LUMINAIRE = 250W, HPS, MC III, 240V
- ⒸⒶ LP = 15' MH, 1' MA, LUMINAIRE = 50W, HPS, MC V, 240V (ORNAMENTAL)

## PROPOSED CABLE LEGEND (FOR USE ON PLAN SHEETS)

UNLESS NOTED	UNIT DUCT, 600V, 3-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1-1/4" DIA. POLYETHYLENE
△ 2	UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 2 GROUND, (XLP-TYPE USE), 1-1/2" DIA. POLYETHYLENE
75' 2" DIA. G.S. P.	PROPOSED CONDUIT PUSHED, LENGTH & DIAMETER AS LISTED

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2775	05-00162-00-LS	COOK	25	2
CONTRACT NO. 63628				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-3465(002)				