

**CITY STREET LIGHTS**

CITY STREET LIGHTS USED IN RESIDENTIAL AREAS ARE TO BE MANUFACTURED BY HOLOPHANE. THEY ARE TO HAVE THE GRANVILLE SERIES LUMINARIES LEAF STYLE HOUSING TYPE B WITH THE CHESAPEAKE SERIES CAST ALUMINUM TYPE A POST CP 12C/18, 12' HIGH, CA/DG CAST ALUMINUM, BLACK. SPACING IS TO BE AT 100' ALTERNATING SIDES OF THE STREET (200' SPACING ON EACH SIDE) USING A CREE, 65 WATT, 4000K COLOR TEMPERATURE LED SYSTEM WITH A VOLTAGE RANGE OF 120-277V (BXRAAA33-UD7). A TYPE III LIGHT DISTRIBUTION IS DESIRED IN THIS CASE.

CITY STREET LIGHTS USED IN THE URBANA CORRIDOR OVERLAY DISTRICT AND HERITAGE OVERLAY DISTRICT ARE TO BE MANUFACTURED BY HOLOPHANE. THEY ARE TO HAVE THE GRANVILLE SERIES LUMINARIES LEAF STYLE HOUSING TYPE B WITH THE CHESAPEAKE SERIES CAST ALUMINUM TYPE A POST CP 12C/18, 12' HIGH, CA/DG CAST ALUMINUM, BLACK. SPACING IS TO BE AT 75' ALTERNATING SIDES OF THE STREET (150' SPACING ON EACH SIDE) USING A CREE, 65 WATT, 4000K COLOR TEMPERATURE LED SYSTEM WITH A VOLTAGE RANGE OF 120-277V (BXRAAA53-UD7) AND RS/GFI/WPC, WET-WHILE-IN-USE COVERED RECEPTACLE LOCATED TOWARDS THE TOP OF THE POST. A TYPE V LIGHT DISTRIBUTION PATTERN SHALL BE USED IN THIS CASE.

AN ACCEPTABLE ALTERNATIVE TO HOLOPHANE IS MAIN STREET LIGHTING. THEY ARE TO HAVE THE SERIES 4 GLASS GLOBE TYPE E LEAF STYLE HOUSING WITH THE OLD NORFOLK III SERIES CAST ALUMINUM BASE AND EXTRUDED ALUMINUM, FLUTED SHAFT, 12' HIGH, 13 3/4" BASE DIAMETER, BLACK. SPACING AND LIGHT DISTRIBUTION PATTERN ARE TO BE AS DESCRIBED ABOVE USING A MATECH, D4, 60 WATT, 4000K COLOR TEMPERATURE LED SYSTEM WITH A VOLTAGE RANGE OF 120-277V AND RS/GFI/WPC, WET-WHILE-IN-USE COVERED RECEPTACLE LOCATED TOWARDS THE TOP OF THE POST (NO RECEPTACLE IN RESIDENTIAL AREAS).

**CITY MAST ARM SUPPORTS**

ALL NEW TRAFFIC SIGNALS SHALL BE SUPPORTED USING ODOT TC-81.20 STANDARD MAST ARMS, DESIGNED BY SIZE, AND PAINTED WITH THE INTERIOR AIR SPRAYED WITH A RUST INHIBITIVE WAX BASE COATING. THE OUTSIDE SHALL BE SANDBLASTED TO SSPC-SP6 COMMERCIAL BLAST CLEANING AND PRIMED WITH A HI-BUILD PRIMER AT 3-4 MILS DRY FILM. THE OUTSIDE SHALL HAVE A FINISH COAT OF POWDER COAT SYSTEM 1-2 MILS DRY FILM. COLOR IS TO BE JET BLACK MANUFACTURED BY TIGER DRYLAC, SUPER DURABLE CATALOG #38/80020..

**CITY TRAFFIC SIGNAL AND PEDESTRIAN HEADS**

ALL NEW SIGNAL HEADS SHALL BE YELLOW PLASTIC HOUSING WITH 12" LED AND GLASS LENS AS MANUFACTURED BY GELCORE. SIGNAL HEADS SHALL HAVE BLACK ALUMINUM BACK PLATES WITH A FLUORESCENT YELLOW REFLECTIVE BORDER. ALL NEW PEDESTRIAN SIGNAL HEADS ARE TO BE TYPE A2 BLACK ALUMINUM HOUSING USING INTERNATIONAL SYMBOLS. ALL BRACKET ARMS AND MOUNTING MATERIALS ARE TO BE PAINTED WITH TIGER DRYLAC, SUPER DURABLE CATALOG #38/80020, JET BLACK TO MATCH THE MAST ARMS AS DESCRIBED ABOVE.

**CITY TRAFFIC SIGNAL CONTROLLER AND CONFLICT MONITOR**

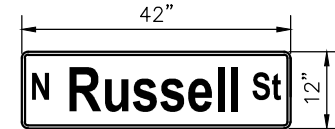
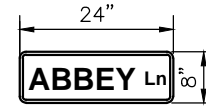
ALL NEW TRAFFIC SIGNAL CONTROLLERS ARE TO BE ASC/25-1000 NEMA 2, TYPE 1 CONTROLLERS AS MANUFACTURED BY ECONOLITE. ALL CONFLICT MONITORS ARE TO BE EDI MMU-16E.

**LOOP DETECTOR UNITS**

ALL NEW LOOP DETECTOR UNITS SHALL BE POWERHEAD TWO CHANNEL, DELAY AND EXTENSION TYPE.

**TRAFFIC CONTROL DEVICES, STREET SIGNS, AND POSTS**

ALL NEW TRAFFIC CONTROL DEVICES SHALL BE PER THE LATEST REVISION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION. ALL SIGN POSTS SHALL BE STANDARD STEEL POSTS UNLESS OTHERWISE APPROVED BY THE CITY. STREET NAME SIGNS SHALL HAVE A WHITE BACKGROUND WITH A BLACK BORDER AND BLACK, D SERIES, LETTERING. THE SIGN SHALL HAVE A THICKNESS OF 0.08" AND BE DOUBLE SIDED. THE BLADE MUST BE 8" TALL WITH 4" UPPERCASE AND LOWERCASE LETTERS FOR SIGNS ALONG SIDE STREETS AND 12" TALL WITH 6" UPPERCASE AND LOWERCASE LETTERS FOR SIGNS ALONG STATE AND U.S. ROUTES. THE PREFIXES AND SUFFIXES SHALL BE 3" FOR SIGNS WITH 4" UPPERCASE LETTERING AND 4" FOR SIGNS WITH 6" UPPERCASE LETTERING.



**CITY BENCHES**

CITY BENCHES ARE TO BE MANUFACTURED BY DUMOR, INC., TYPE #119-60, 6' BENCH, COLOR BLACK.

**CITY TRASH RECEPTACLES**

CITY TRASH RECEPTACLES ARE TO MANUFACTURED BY DUMOR, INC., #84-32, 32 GALLON, COLOR BLACK.

**DEMOLITION PERMIT REGULATIONS**

DEMOLITION PERMIT SHALL BE OBTAINED FROM THE CHAMPAIGN COUNTY BUILDING REGULATIONS.