Appendix 700.1

Standard Drawing Blocks
** luminaire_att **
- LT (LUMINAIRE POLE)
- LTJB (LUMINAIRE POLE & J.B.)
- LTDD (DOUBLE DAVIT LUMINAIRE POLE)
- LTPR (MUNICIPAL LUMINAIRE POLE OR LEASE LIGHT)

** sign_post_att **
- SN (SIGN POLE)
- SNLT (SIGN POLE & LUMINAIRE)
- SNLN (LANE USE SIGN POLE)
- SNLNLT (LANE USE SIGN POLE & LUMINAIRE)

** jb_att **
- JB (JUNCTION BOX)
- CJB (CONCRETE JUNCTION BOX)

** controller_att **
- TYPE P6
- TYPE S

** commands_att **
- ADD:
- INSTALL:
- REMOVE:
- REV. A:
- REPLACE:

** signal_pole_att **
- SIG (SIGNAL POLE, DIMENSION TO SUIT ARM REACH)
- SIGLUM (SIGNAL POLE WITH LUM, DIMENSION TO SUIT ARM REACH)
- SIGPOST (SIGNAL POST)

- POLENO (SIGNAL POLE NUMBER)
- SIGNNO (SIGN POLE NUMBER)
- A1ARR (SIGNAL PHASE WITH TURN ARROW INDICATION)
- AR (TO INDICATE A TURN PHASE)
- AHEAD (SIGNAL HEAD)
- SNPT (SIGN ON POST)
- SLD (SIDEWALK LETDOWN)
- TO XXX TOL (DESTINATION INDICATORS)

** DENOTES BLOCK IS DYNAMIC
ALL EQUIPMENT IS NEW
EXCEPT WHERE NOTED

NEW
(Used when revision has
mostly new equipment being
added, included on all
sheets, if applicable)

ALL EQUIPMENT IS EXISTING
EXCEPT WHERE NOTED

EXIST
(Used when revision has
mostly existing equipment,
included on all sheets, if
applicable)

ALL DIMENSIONS ARE IN MILLIMETERS
EXCEPT WHERE NOTED

DIM
(Included on all sheets)

DO NOT USE THIS DRAWING FOR
PAVEMENT MARKING OR
SIGNING STANDARDS

PAINT
(Included on all site plan sheets)

POSTED SPEED LIMIT $X \text{ km/h}$

POST
(Included on all site plan sheets)

SEE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION”
FOR APPLICABLE STANDARD DRAWINGS

STAND
(Included on all sheets)

** DENOTES BLOCK IS DYNAMIC
FOR MINISTRY USE ONLY
REFER TO DRAWING SERIES TE−X
FOR CONTINUATION OF LIGHTING

CONTINUE
(USED IF LIGHTING CONTINUES ON ANOTHER MOTI ELECTRICAL DRAWING)

REFER TO SHEET X FOR ELEVATIONS
ELEV
(ON ALL SITE PLAN SHEETS)

X SIGNAL DISPLAYS ARE LED

LED

REFER TO SHEET 1 FOR LEGEND
REF1
(INCLUDED ON ALL SHEETS, EXCEPT SHEET 1)

REFER TO SHEET X FOR NOTES
REF1
(INCLUDED ON ALL SHEETS, EXCEPT THE ONE WITH THE STANDARD NOTE BLOCK)

FOR MINISTRY USE ONLY
THIS DRAWING SERIES SUPERSEDES DRAWING SERIES TE−X

SUPERSED
(USED WHEN THE PREVIOUS DRAWING SERIES IS COMPLETELY SUPERSEDED)

FOR MINISTRY USE ONLY
REFER TO DRAWING SERIES TE−XXX FOR PREVIOUS REVISION

REFREV
(USED WHEN THE PREVIOUS DRAWING SERIES IS ONLY PARTIALLY SUPERSEDED)

NOTE:
EQUIPMENT SHOWN:
---------------------------- TO BE REMOVED
--------------------- TO BE ADDED

WDNOTES
(USED WHEN WIRING DIAGRAM IS MODIFIED)

** DENOTES BLOCK IS DYNAMIC
## INTERSECTION CRITERIA

### INTERSECTION LIGHTING DESIGN CRITERIA

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<thead>
<tr>
<th>INTERSECTION LOCATION</th>
<th>ROAD DESIGNATION</th>
<th>PEDESTRIAN CONFLICT</th>
<th>WATTAGE/TYPc/E LUMINAIRE MANUFACTURER/ MODEL NUMBER</th>
<th>RECOMMENDED ILLUMINANCE</th>
<th>ACHIEVED ILLUMINANCE</th>
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**NOTE:** BASED ON IESNA RP–8–14 (TABLE 9)

## ROADWAY CRITERIA

### ROADWAY LIGHTING DESIGN CRITERIA

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**NOTE:** BASED ON IESNA RP–8–14 (TABLE 2)

## LED LIST

### LED LUMINAIRE PRODUCT LIST

<table>
<thead>
<tr>
<th>MANUFACTURER</th>
<th>MODEL No.</th>
<th>WATTAGE</th>
<th>DISTRIBUTION TYPE</th>
<th>QUANTITY</th>
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<td>XXXX–X–XXX</td>
<td>XXXW</td>
<td>X</td>
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<td>XXXX–X–XXX</td>
<td>XXXW</td>
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**LED LUMINAIRE LEGEND**

- XXX ➔ LUMINAIRE NUMBERING
- XXXW ➔ WATTAGE
- LED ➔ LIGHT SOURCE
- (RX) ➔ DISTRIBUTION TYPE (OPTICS)

*ALL NEW LUMINAires SHALL BE LED*
** SIGNAL HEADS **

- **PLF0**  
  PLUMBIZER MOUNT  
  4 x 300mm WITH LED HEAD (YELLOW/GREEN ARROW)

- **PL4A**  
  PLUMBIZER MOUNT  
  4 x 300mm GREEN ARROW LENS

- **PL3A**  
  PLUMBIZER MOUNT  
  3 x 300mm GREEN ARROW LENS

- **PL3**  
  PLUMBIZER MOUNT  
  3 x 300mm (TYP.)

- **SCF0**  
  4 x 300mm WITH LED HEAD (YELLOW/GREEN ARROW)

- **SC4A**  
  4 x 300mm GREEN ARROW LENS

- **SC3A**  
  3 x 300mm GREEN ARROW LENS

- **SC3**  
  3 x 300mm (TYP.)

- **SCF02**  
  300mm LED HEAD (YELLOW/GREEN ARROW)

- **SCHWY**  
  300mm - 200mm FIRE SIGNAL HEAD

- **FIRESN**  
  2 x 300mm FIRE SIGNAL HEAD

- **PLFiresn**  
  300mm LED HEAD (YELLOW/GREEN ARROW)

** DENOTES BLOCK IS DYNAMIC
222_signal_head_att **

222F  222L  222LTN  ADJUST BRACKETS ACCORDINGLY

222F  222L  222LTN  ADJUST BRACKETS ACCORDINGLY

connecting_arm_att **

FRONT  SIDE
(SINGLE ARM BRACKETS)

ped_signal_head_att **

FRONT  SIDE

audible_att **

AUDIBLE SIGNAL  AUDIBLE SIGNAL
SIDE  FRONT

flasher_att **

SIDE*  FRONT*

wohfb_att **

300mm 3-WAY FLASHING BEACON
3WOHFB

300mm 4-WAY FLASHING BEACON
4WOHFB

ZSP-015-X
ppb-PX

ZSP-015-L
ppb-PX

ZSP-015-X
ppb-PX

ZSP-015-X (BEHIND)
ppb-PX (BEHIND)

SP10F*

SP10L*

SP10R*

SP10B*

NOTE TO DRAFTER:
* INSERTION POINT = BASE OF POLE

** DENOTES BLOCK IS DYNAMIC
** DENOTES BLOCK IS DYNAMIC

CONCRETE BASES (1 of 2)
**NOTE TO DRAFTER: NECK HEIGHT VARIES**

TYPE H1 CONCRETE SPREAD FOOTING BASE

XXX

TYPE H2 CONCRETE BASE

3200

TYPE H1

TYPE L1 CONCRETE SPREAD FOOTING BASE

XXX

NOTE TO DRAFTER: NECK HEIGHT VARIES

TYPE L1

TYPE L2 CONCRETE BASE

2300

TYPE H2

TYPE L2

TYPE L3 CONCRETE BASE

2200

TYPE L3

TYPE M1 CONCRETE SPREAD FOOTING BASE

XXX

NOTE TO DRAFTER: NECK HEIGHT VARIES

TYPE M1

TYPE S1 CONCRETE SPREAD FOOTING BASE

XXX

NOTE TO DRAFTER: NECK HEIGHT VARIES

TYPE S1

TYPE M2 CONCRETE BASE

2700

TYPE M2

TYPE S2 CONCRETE BASE

2100

TYPE S2

**DENOTES BLOCK IS DYNAMIC**
### CONDUCTOR COLOUR CODE

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<th>ITEM</th>
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<th>CONDUCTOR COLOUR</th>
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<td>LUMINARIA CCT. A</td>
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</tr>
<tr>
<td>LUMINARIA CCT. B</td>
<td>BLACK</td>
<td>ORANGE</td>
</tr>
<tr>
<td>ISLAND FLASHER</td>
<td>ORANGE</td>
<td>BLACK</td>
</tr>
<tr>
<td>FLASHING BEACON</td>
<td>BLACK/RED/YELLOW</td>
<td>WHITE</td>
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</table>

**NOTE**: T.T. DENOTES TAPE TRACER.

### CONDUCTOR COLOUR CODE

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<th>CONDUCTOR COLOUR</th>
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</thead>
<tbody>
<tr>
<td>PB</td>
<td>DON'T WALK</td>
<td>PURPLE/PURPLE (BROWN T.T.)</td>
</tr>
<tr>
<td>PB1</td>
<td>WALK PUSH BUTTON</td>
<td></td>
</tr>
<tr>
<td>PB2</td>
<td>WALK PUSH BUTTON</td>
<td></td>
</tr>
<tr>
<td>CONTROLLER POWER</td>
<td>BLACK</td>
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</tr>
<tr>
<td>LUMINARIA CCT. A</td>
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<tr>
<td>LUMINARIA CCT. B</td>
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</tr>
<tr>
<td>NEUTRAL</td>
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<td></td>
</tr>
<tr>
<td>GROUND/BOND</td>
<td>GREEN</td>
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</tr>
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</table>

**NOTE**: T.T. DENOTES TAPE TRACER.

### CONDUCTOR COLOUR CODE

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<td>GREEN</td>
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<tr>
<td>B1</td>
<td>RED</td>
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<td>PA2</td>
<td>DON'T WALK</td>
<td>BLUE</td>
</tr>
<tr>
<td>PB1</td>
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<td>DON'T WALK</td>
<td>BLUE</td>
</tr>
<tr>
<td>CONTROLLER POWER</td>
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<tr>
<td>LUMINARIA CCTS. A&amp;B</td>
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<tr>
<td>LUMINARIA CCTS. B&amp;D</td>
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<td></td>
</tr>
<tr>
<td>NEUTRAL</td>
<td>WHITE</td>
<td></td>
</tr>
<tr>
<td>GROUND/BOND</td>
<td>GREEN</td>
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</tbody>
</table>

**NOTE**: T.T. DENOTES TAPE TRACER.

**DENOTES BLOCK IS DYNAMIC**
### Conductor Color Code

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<th>SIGNAL SECTION</th>
<th>CONDUCTOR COLOR</th>
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<tr>
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<td>RED YELLOW BLUE</td>
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<tr>
<td>A2</td>
<td>RED YELLOW GREEN</td>
<td>RED YELLOW (RED T.T.) BLUE</td>
</tr>
<tr>
<td>B</td>
<td>RED YELLOW GREEN</td>
<td>RED BROWN BLUE (WHITE T.T.)</td>
</tr>
<tr>
<td>C</td>
<td>RED YELLOW GREEN ARROW</td>
<td>RED ORANGE BLUE (WHITE T.T.)</td>
</tr>
<tr>
<td>PA1</td>
<td>DON'T WALK PUSH BUTTON</td>
<td>YELLOW BLUE PURPLE/PURPLE (YELLOW T.T.)</td>
</tr>
<tr>
<td>PA2</td>
<td>DON'T WALK PUSH BUTTON</td>
<td>YELLOW (RED T.T.) BLUE PURPLE/PURPLE (RED T.T.)</td>
</tr>
<tr>
<td>PB</td>
<td>DON'T WALK PUSH BUTTON</td>
<td>BROWN BLUE PURPLE/PURPLE (BROWN T.T.)</td>
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<tr>
<td>PC</td>
<td>DON'T WALK PUSH BUTTON</td>
<td>BROWN (ORANGE T.T.) BLUE PURPLE/PURPLE (ORANGE T.T.)</td>
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</table>

**NOTE:** T.T. DENOTES TAPE TRACER

### Conductor Color Code for CC5

- **CONTROLLER POWER:** BLACK
- **LUMINAIRE CCTS. A & B:** RED BLACK
- **LUMINAIRE CCTS. B & D:** RED BLACK
- **NEUTRAL:** WHITE
- **GROUND/BOND:** GREEN

**NOTE:** T.T. DENOTES TAPE TRACER

### Emergency Pre-emption Conductor Labelling

<table>
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<tr>
<th>ITEM</th>
<th>LABEL</th>
<th>COLOUR</th>
<th>CONDUCTOR TYPE</th>
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<tr>
<td>EMERG. PRE-EMPT. SENSOR #A2</td>
<td>S2</td>
<td>N/A</td>
<td>BELDEN 8770</td>
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<tr>
<td>EMERG. PRE-EMPT. SENSOR #B1</td>
<td>S3</td>
<td>N/A</td>
<td>BELDEN 8770</td>
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<tr>
<td>EMERG. PRE-EMPT. SENSOR #B2</td>
<td>S4</td>
<td>N/A</td>
<td>BELDEN 8770</td>
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<tr>
<td>WHITE EMERG. INDICATION LIGHT #A1</td>
<td>PE-41-WH PE-41-BL</td>
<td>RED (WHITE T.T.)</td>
<td>RW90</td>
</tr>
<tr>
<td>BLUE EMERG. INDICATION LIGHT #A1</td>
<td>PE-41-WH PE-41-BL</td>
<td>RED (WHITE T.T.)</td>
<td>RW90</td>
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<tr>
<td>WHITE EMERG. INDICATION LIGHT #A2</td>
<td>PE-42-WH PE-42-BL</td>
<td>RED (WHITE T.T.)</td>
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<tr>
<td>BLUE EMERG. INDICATION LIGHT #A2</td>
<td>PE-42-WH PE-42-BL</td>
<td>RED (WHITE T.T.)</td>
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<td>EMERG. PRE-EMPT. INTERIE #A1</td>
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**NOTE:** T.T. DENOTES TAPE TRACER

RENDER TO SP635-2.5.7 FOR NOTES ON CONDUCTOR LABELLING.

**DENOTES BLOCK IS DYNAMIC**
RNDLOOP (ROUND DETECTOR LOOP)

DLOOP (DIAMOND DETECTOR LOOP)

PLOOP (PRE-FORMED DETECTOR LOOP)

QUADLOOP (QUADRAPOLE DETECTOR LOOP; OBSOLETE)

RECLOOP (RECTANGULAR DETECTOR LOOP; STRETCH TO SUIT LANE)

DLL (DETECTOR LOOP LEAD)

NOTE TO DRAFTER:
INSERT SYMBOLS AT HALF SCALE FOR 1:500 SITE PLANS

CNTPOST (COUNT STATION POST)

CNTLOOP (COUNT LOOP)
### DETECTOR LOOP TABLE

<table>
<thead>
<tr>
<th>LOOP No.</th>
<th>SIZE</th>
<th>TURN</th>
<th>LOOP (μH)</th>
<th>LEAD (μH)</th>
<th>TOTAL (μH)</th>
<th>PHASE</th>
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<tbody>
<tr>
<td>L1</td>
<td>1.8 x 1.8</td>
<td>4</td>
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<td>1.8 x 1.8</td>
<td>4</td>
<td>120</td>
<td></td>
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<td>X</td>
</tr>
<tr>
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<td>4</td>
<td>120</td>
<td></td>
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<td>X</td>
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<tr>
<td>L23</td>
<td>1.8 x 1.8</td>
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<td>120</td>
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<tr>
<td>L24</td>
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<td>4</td>
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<tr>
<td>PL X</td>
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<td>4</td>
<td>120</td>
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<td>X</td>
</tr>
<tr>
<td>L X</td>
<td>1.8 DIA.</td>
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</tr>
<tr>
<td>FL X</td>
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<td></td>
<td></td>
<td></td>
<td>FUTURE</td>
<td></td>
</tr>
<tr>
<td>L X</td>
<td>1.8 x 1.8</td>
<td>4</td>
<td>120</td>
<td></td>
<td>COUNT</td>
<td></td>
</tr>
<tr>
<td>L X</td>
<td>1.8 x 1.8</td>
<td>4</td>
<td>120</td>
<td></td>
<td>X</td>
<td>COUNT</td>
</tr>
<tr>
<td>L X</td>
<td>1.8 x 7.6</td>
<td>2</td>
<td>207</td>
<td></td>
<td>X un</td>
<td>X</td>
</tr>
</tbody>
</table>

**NOTE:**
- ROUND LOOPS MAY BE USED IN PLACE OF DIAMOND LOOPS AT THE DISCRETION OF THE CONTRACTOR
- PL DENOTES PREFORMED LOOP
- FL DENOTES FUTURE INSTALLATION

**NOTE TO DRAFTER:**
The first 24 loops are for a typical installation of diamond loops for an actuated signal. The remaining are examples of situations that may also be encountered.
NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE ELECTRICAL SPECIAL PROVISIONS ISSUED WITH THIS CONTRACT.

2. CONDUCTORS FROM JUNCTION BOX TO LUMINAIRE POLE SHALL BE:
   2 No.10 RW90
   1 No.12 RW90 __________ 50mm RPVC (UNLESS OTHERWISE NOTED)

3. ALL CONDUITS FROM JUNCTION BOXES TO BASES ARE TO BE 50mm RPVC.

4. JUNCTION BOXES SHALL BE POSITIONED BEHIND OR, AS AN ALTERNATIVE, TO THE SIDE, BUT NOT IN FRONT OF POLES.

5. EACH SHIELDED CABLE SHALL RUN CONTINUOUS WITH NO SPLICES, FROM THE CONTROLLER TO THE RESPECTIVE LOOP.

6. ALL SIGNAL HEAD SECTIONS SHALL BE WIRED SEPARATELY FROM THE HANDHOLE OF THE POLE TO EACH HEAD INCLUDING A SEPARATE NEUTRAL AND BONDING CONDUCTOR FOR EACH HEAD.

7. LUMINAIRE NUMBERING EXAMPLE: 1A2
   SERVICE No. = 1   C.C.T. LETTER = A   LUM. No. = 2

8. WHERE POSSIBLE, POLES SHALL BE POSITIONED WITH THE HANDHOLE IN THE BACK OR IF NOT POSSIBLE, ON THE DOWNSTREAM TRAFFIC SIDE.

9. ALL CONCRETE BASES AND JUNCTION BOX SYMBOLS ARE NOT TO SCALE.

10. THE CONTRACTOR SHALL NOT PRE-DRILL HOLES IN A SIGNAL POLE UNTIL AFTER THE BASE FOR THAT POLE HAS BEEN INSTALLED. THE CONTRACTOR SHALL ADVISE THE MINISTRY REPRESENTATIVE OF ANY ADJUSTMENTS MADE TO THE BASE LOCATION WHICH WILL AFFECT THE LOCATIONS OF HARDWARE TO BE MOUNTED ON THAT POLE PRIOR TO DRILLING.

11. WHERE THREE OR MORE SECONDARY/PEDESTRIAN HEADS ARE BEING MOUNTED ON THE POLE SHAFT, ORIENT THE PEDESTRIAN HEAD MOUNTING BRACKETS WITH THE WIREWAY ON TOP.

12. WHERE TWO OR MORE SECONDARY HEADS ARE BEING MOUNTED IN THE SAME SHAFT, ALL SECONDARY HEADS SHALL HAVE TUNNELS.

13. ALL NEW JUNCTION BOXES SHALL HAVE STEEL LIDS.

14. ALL CONDUCTORS SHALL BE RW90 STRANDED COPPER UNLESS SHOWN OTHERWISE.

NOTES1 (FOR SIGNAL & LIGHTING INSTALLATIONS)

** DENOTES BLOCK IS DYNAMIC
NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE ELECTRICAL SPECIAL PROVISIONS ISSUED WITH THIS CONTRACT.

2. CONDUCTORS FROM JUNCTION BOX TO LUMINAIRE POLE SHALL BE:
   - 2 No.10 RW90 50mm RPVC (UNLESS OTHERWISE NOTED)
   - 1 No.12 RW90 50mm RPVC

3. ALL CONDUITS FROM JUNCTION BOXES TO BASES ARE TO BE 50mm RPVC.

4. JUNCTION BOXES SHALL BE POSITIONED BEHIND OR, AS AN ALTERNATIVE, TO THE SIDE, BUT NOT IN FRONT OF POLES.

5. LUMINAIRE NUMBERING EXAMPLE: 1A2
   - SERVICE No. – 1
   - CCT. LETTER – A
   - LUM. No. – 2

6. WHERE POSSIBLE, POLES SHALL BE POSITIONED WITH THE HANDHOLE IN THE BACK OR IF NOT POSSIBLE, ON THE DOWNSTREAM TRAFFIC SIDE.

7. ALL CONCRETE BASES AND JUNCTION BOX SYMBOLS ARE NOT TO SCALE.

8. ALL NEW JUNCTION BOXES SHALL HAVE STEEL LIDS.

9. ALL CONDUCTORS SHALL BE RW90 STRANDED COPPER UNLESS SHOWN OTHERWISE.

NOTES 2 (FOR LIGHTING INSTALLATIONS)

NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE ELECTRICAL SPECIAL PROVISIONS ISSUED WITH THIS CONTRACT.

2. ALL CONDUITS FROM JUNCTION BOXES TO BASES ARE TO BE 50mm RPVC.

3. JUNCTION BOXES SHALL BE POSITIONED BEHIND OR, AS AN ALTERNATIVE, TO THE SIDE, BUT NOT IN FRONT OF POLES.

4. ALL CONCRETE BASES AND JUNCTION BOX SYMBOLS ARE NOT TO SCALE.

5. ALL NEW JUNCTION BOXES SHALL HAVE STEEL LIDS.

NOTES 3 (FOR PRE-DUCTING INSTALLATIONS)

** DENOTES BLOCK IS DYNAMIC
** DENOTES BLOCK IS DYNAMIC
l_arm_att **

L. ARM CAN VARY FROM 3000 TO 11000 IN
1000 INCREMENTS

lb_arm_att**

LB ARM CAN VARY FROM 1000, 2000 TO 2200

type2_arm_att **

2A_ARM_SIDE_LED

2A_ARM_FRONT_LED

2C_ARM_FRONT_LED

type3_arm_att

3000 (3A ARM)

1800 (3C ARM)

4300 (3D ARM)

3F_ARM

(LENGTH VARIES FROM 0.3m TO 3.0m)

5500 (3E ARM)

3000 (LS SIGN ARM)

3LS_ARM

** DENOTES BLOCK IS DYNAMIC

ARMS

2018

DRAFTING STANDARD DRAWING NUMBER

700.1-DS-18
hx_arm_att **

HX ARM CAN VARY FROM 3000 TO 11000 IN 1000 INCREMENTS
HX ARM CAN BE EITHER H1 OR H2

lx_arm_att **

LX ARM CAN VARY FROM 3000 TO 11000 IN 1000 INCREMENTS

mx_arm_att **

MX ARM CAN VARY FROM 3000 TO 11000 IN 1000 INCREMENTS
MX ARM CAN BE EITHER M1 OR M2

ss_arm_att **

3000 (S SIGN ARM)

4000 (S SIGN ARM)

5000 (S SIGN ARM)

3000

4000

5000

** DENOTES BLOCK IS DYNAMIC
pole_shaft_att (CONTINUED FROM PREVIOUS PAGE) **

** DENOTES BLOCK IS DYNAMIC

POLE SHAFTS (2 of 2)
WIRING DIAGRAM - SERVICE PANEL No. 1

N.T.S.

WD1

** DENOTES BLOCK IS DYNAMIC
WIRING DIAGRAM - DISTRIBUTION PANEL No. X
N.T.S. 

** DENOTES BLOCK IS DYNAMIC
WIRING DIAGRAM – SERVICE PANEL No. #
N.T.S.
WD5

** DENOTES BLOCK IS DYNAMIC

MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
2018
DRAFTING STANDARD DRAWING NUMBER
700.1–DS–27
WIRING DIAGRAM - SERVICE PANEL No. X
N.T.S.

** DENOTES BLOCK IS DYNAMIC
WIRING DIAGRAM - SERVICE PANEL No. X
N.T.S.
WD9

** DENOTES BLOCK IS DYNAMIC
** DENOTES BLOCK IS DYNAMIC
**signal_display_att (CONTINUED ON NEXT PAGE) **

** SD1 **

** SD2 ** (2 PHASE) ** SD3 ** (2 PHASE WITH AUDIBLES) ** SD4 ** (T-INTERSECTION) ** SD5 ** (ADVANCE LEFT TURN) ** SD6 ** (ADVANCE LEFT TURN) ** SD7 ** (B/C PHASE SPLIT) ** SD8 **

** ** DENOTES BLOCK IS DYNAMIC

** SIGNAL DISPLAYS (1 of 3) **
**信号显示 (CONTINUED FROM PREVIOUS PAGE)**

**SIGNAL DISPLAY**

SD12

- "NO LEFT TURN SIGN" ACTIVATED DURING THESE PHASES

SD13

- LEAD/LAG PHASING ON CROSS STREET DUE TO GEOMETRIC RESTRICTION.
- LEAD/LAG ROUTE X IS CO-ORDINATION BASED.

**SIGNAL DISPLAY (EMERGENCY PRE-EMPTION)**

SD14

- PRE-EMPTION A1, A4
- PRE-EMPTION A2, A4
- PRE-EMPTION B1
- PRE-EMPTION B2

**DENOTES BLOCK IS DYNAMIC**