

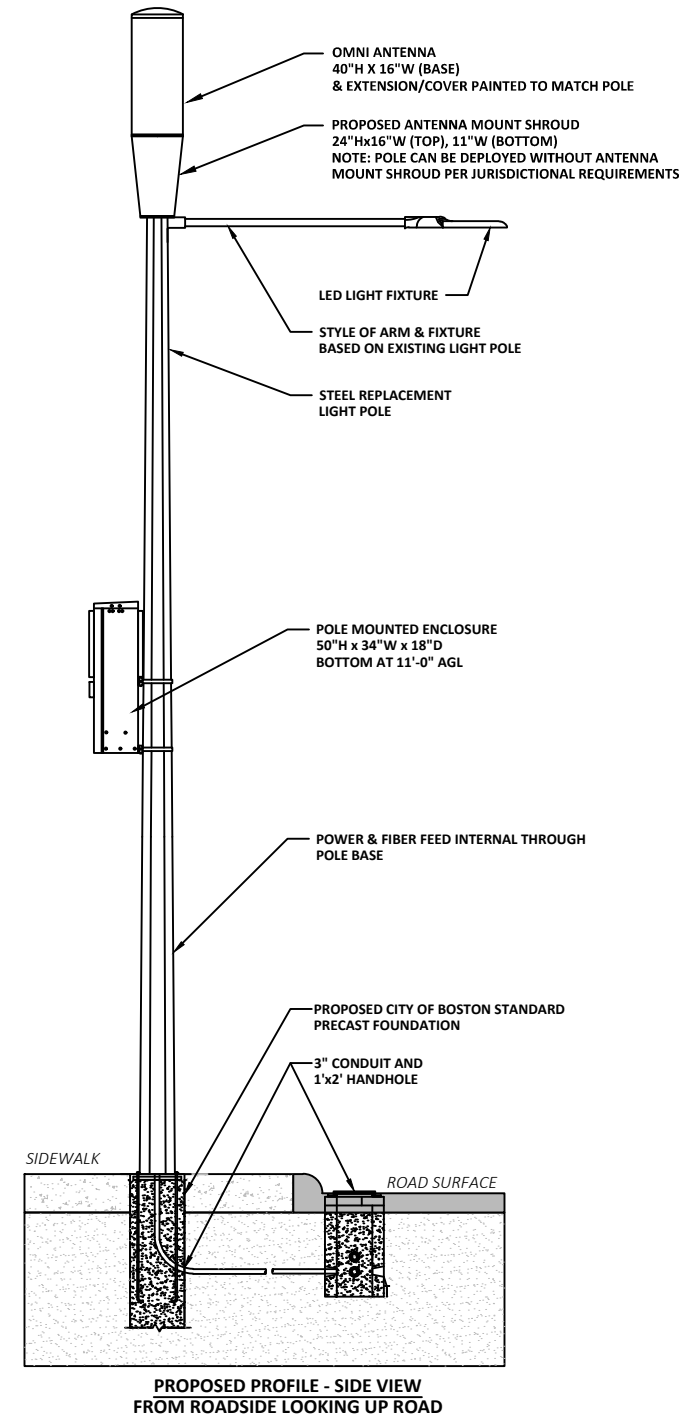
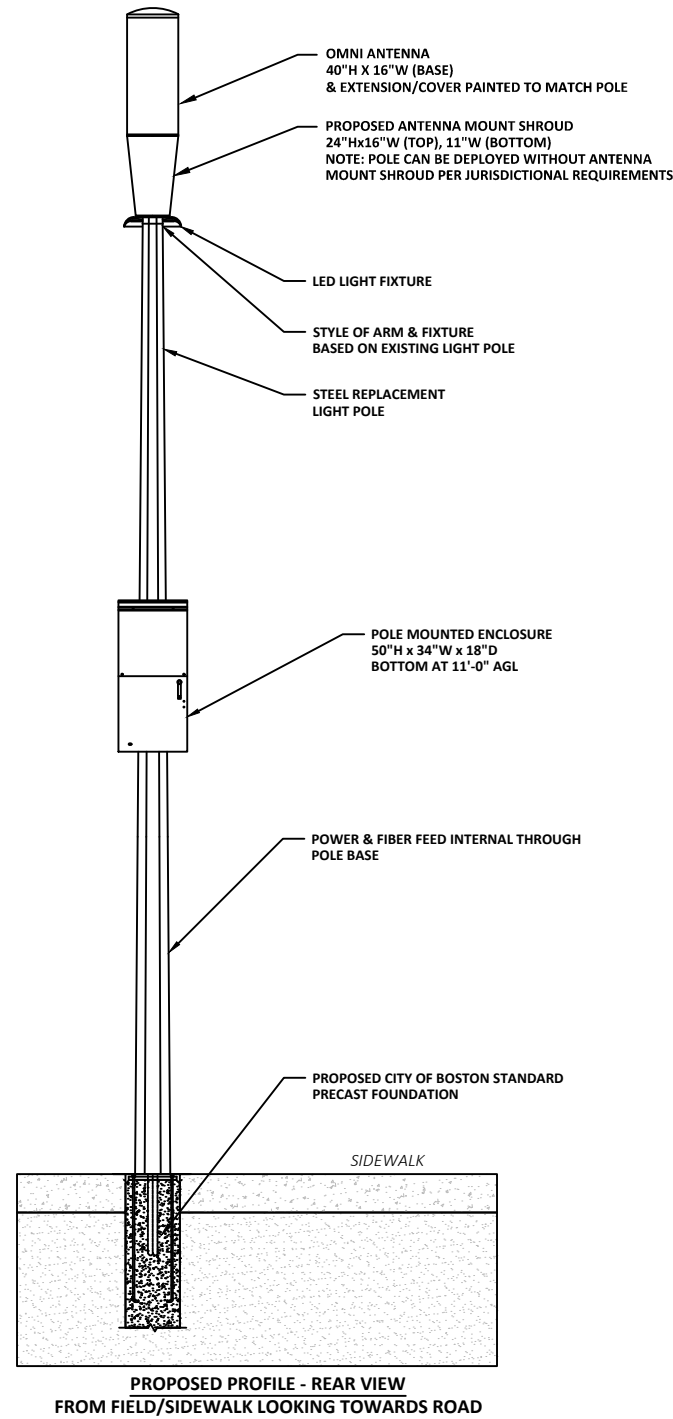
EXHIBIT X-18

SCHEDULE OF APPROVED WIRELESS FACILITIES

Facility Number	X-18 Standard Concrete Light Pole with Pole Mounted Equipment
Attachment Types <i>(check all that apply and provide detail below)</i>	<input checked="" type="checkbox"/> Replacement City Pole (streetlight) <input checked="" type="checkbox"/> Replacement City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (streetlight) <input type="checkbox"/> Attach to existing City Property Pole (streetlight) <input type="checkbox"/> Attach to existing City Pole (traffic signal) <input type="checkbox"/> Attach to existing City Property Pole (traffic signal) <input type="checkbox"/> Attach to existing City Pole (street furniture) <input type="checkbox"/> Attach to existing City Property Pole (street furniture) <input type="checkbox"/> Attach to Non-City Pole
Attachment Type Detail	Standard Concrete Light Pole with Pole Mounted Equipment
Physical Description	<p>Omni antenna (not to exceed 40”H x 16”W) and antenna mount shroud (not to exceed 24”H x 16”W – top and 11”W – bottom) will be installed pole top and will be painted to match the steel replacement pole. Pole can be deployed without antenna mount shroud per jurisdictional requirement. Replacement cobra luminaire will be installed at the same height as the existing pole. Remote radio head(s), power, and fiber equipment will be concealed and ventilated within a pole mounted enclosure (not to exceed 50”H x 34”W x 18”D) with the bottom of the enclosure installed at a minimum of 11’ above ground level. The enclosure will be painted to match the steel replacement pole and antenna equipment.</p> <p><i>Pole Replacement information for all standard light poles:</i></p> <ul style="list-style-type: none"> • 14’ existing pole to be replaced with new pole and a max height of 16.8’ • 19’ existing pole to be replaced with new pole and a max height of 22.8’ • 24’ existing pole to be replaced with new pole and a max height of 28.8’ • 29’ existing pole to be replaced with new pole and a max height of 34.8’
Concealment	The pole top antenna and related cabling will be contained within a concealed structure as detailed above. Cabling will be routed within the replacement pole structure and will connect to the equipment housed within the pole mounted enclosure. The antenna, pole, and equipment enclosure will be painted to match. The replacement cobra

	luminaire will be installed at the same height as the existing pole to conform to the local streetscape.
Included Documents	The following documents: A. Replacement Pole Profile including fixture type, equipment specifications, and foundation and ground connection details. B. Photo mock-up showing existing and proposed pole views.
RF Compliance Information	<input checked="" type="checkbox"/> Facility conforms to information already on file <input checked="" type="checkbox"/> RF information attached Crown Castle will attach FCC signage appropriate to the installed equipment.
Comments	

STANDARD CONCRETE REPLACEMENT LIGHT POLE



NOTES:

1. ALL DISTANCES, DIMENSIONS, LOCATIONS, EQUIPMENT DESIGNATIONS AND SPECIFICATIONS ARE APPROXIMATE.
2. ALL MATERIAL, COLOR & STYLE WILL MATCH CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY RF FRIENDLY MATERIAL WILL BE PAINTED TO MATCH.
3. IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
4. THE PURPOSE OF THE DESIGN IS TO SHOW A CONCEPTUAL DESIGN FOR THE REPLACEMENT/MODIFICATIONS OF EXISTING LIGHT POLE. THEREFORE, THESE DESIGNS ARE INHERENTLY APPROXIMATE IN NATURE AND SHOULD NOT BE USED AS AN EXACT, SCALED ENGINEERING DRAWING.
5. POLE REPLACEMENT SPECIFICATIONS AND DIMENSIONS, INCLUDING STRUCTURAL FOUNDATIONS, WILL VARY BASED ON REQUIRED ANTENNA HEIGHTS REQUESTED BY CROWN CASTLE.
6. EQUIPMENT ENCLOSURE TO BE NO LARGER THAN (4'-2"Hx2'-10"Wx1'-6"D).
7. ANTENNA TO BE NO LARGER THAN 16"Øx40"H.
8. POLE REPLACEMENT INFORMATION FOR ALL STANDARD LIGHT POLES:
- 14' EXISTING POLE TO BE REPLACED WITH NEW POLE AND A MAX HEIGHT OF 16.8'
- 19' EXISTING POLE TO BE REPLACED WITH NEW POLE AND A MAX HEIGHT OF 22.8'
- 24' EXISTING POLE TO BE REPLACED WITH NEW POLE AND A MAX HEIGHT OF 28.8'
- 29' EXISTING POLE TO BE REPLACED WITH NEW POLE AND A MAX HEIGHT OF 34.8'
9. CROWN CASTLE WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
10. LED LIGHT & LUMINAIRE ARM STYLE WILL MATCH EXISTING & WILL BE AT SAME HEIGHT AS SHOWN IN PHOTOSIMS.
11. PROPOSED LIGHTING WILL CONFORM TO THE CITY OF BOSTON'S LIGHTING STANDARDS.
12. ORNAMENTAL & DECORATIVE FEATURES & LUMINAIRES WILL MATCH THE EXISTING FIXTURE UNLESS THE EXISTING FIXTURE IS A METAL HALIDE OR HIGH PRESSURE SODIUM FIXTURE. IN THESE SCENARIOS, THE FIXTURE WILL BE UPGRADED TO A CITY OF BOSTON APPROVED LED FIXTURE.

REVISIONS

REV	DESCRIPTION	DATE
1	UPDATE ANTENNA/CALLOUTS	08/22/17

SCALE IN FEET



PREPARED BY:
UC SYNERGETIC
Innovative Thinking. Engineered Solutions.
21 OXFORD RD
MANSFIELD, MA 02048
www.ucseeng.com 1-508-337-7600

TITLE: **EXHIBIT X-18**
PROPOSED
BOSTON, MA

POLE INFO: STEEL POLE

PREPARED FOR:



SURVEYED BY: UCS

PRINT NO: 1 OF 5

DRAWN BY: AW

SCALE:

ISSUE DATE: 4/28/17

AS BUILT: AS SHOWN

STANDARD CONCRETE REPLACEMENT LIGHT POLE (COBRA)





EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

09/21/2017 N:\Engineering\Crown Castle\EXHIBIT EXAMPLES FOR CITY OF BOSTON\AA - AUTOCAD\EXHIBIT X-18.dwg

REVISIONS		
REV	DESCRIPTION	DATE

PREPARED BY:  21 OXFORD RD MANSFIELD, MA 02048 www.ucseeng.com 1-508-337-7600		TITLE: EXHIBIT X-18 PROPOSED BOSTON, MA	
PREPARED FOR: 		POLE INFO: STEEL POLE	
SURVEYED BY: UCS		PRINT NO: 2 OF 5	
DRAWN BY: AW		SCALE:	
ISSUE DATE: 4/28/17		AS BUILT: AS SHOWN	

STANDARD CONCRETE REPLACEMENT LIGHT POLE (SHOE BOX)





EXISTING PHOTOGRAPHIC VIEW



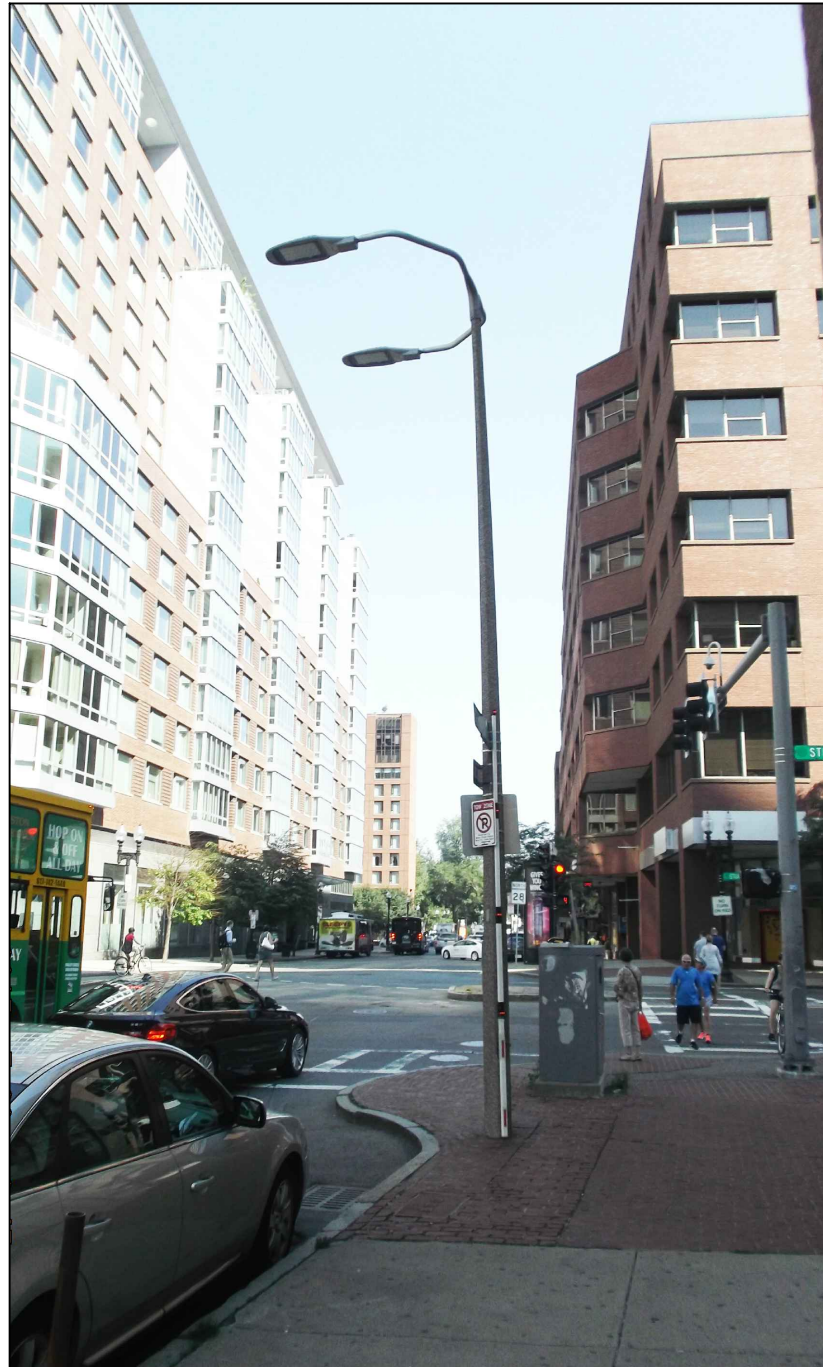
PROPOSED PHOTOGRAPHIC SIMULATION

09/21/2017 N:\Engineering\Crown Castle\EXHIBIT EXAMPLES FOR CITY OF BOSTON\AA - AUTOCAD\EXHIBIT X-18.dwg

REVISIONS		
REV	DESCRIPTION	DATE

PREPARED BY:  21 OXFORD RD MANSFIELD, MA 02048 www.ucseeng.com 1-508-337-7600	TITLE: EXHIBIT X-18 PROPOSED BOSTON, MA
PREPARED FOR: 	POLE INFO: STEEL POLE
SURVEYED BY: UCS	PRINT NO: 3 OF 5
DRAWN BY: AW	SCALE:
ISSUE DATE: 4/28/17	AS BUILT: AS SHOWN

STANDARD CONCRETE REPLACEMENT LIGHT POLE (DOUBLE COBRA)





EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

09/21/2017 N:\Engineering\Crown Castle\EXHIBIT EXAMPLES FOR CITY OF BOSTON\AA - AUTOCAD\EXHIBIT X-18.dwg

REVISIONS		
REV	DESCRIPTION	DATE

PREPARED BY:  21 OXFORD RD MANSFIELD, MA 02048 www.ucseeng.com 1-508-337-7600	TITLE: EXHIBIT X-18 PROPOSED BOSTON, MA
PREPARED FOR: 	POLE INFO: STEEL POLE
SURVEYED BY: UCS	PRINT NO: 4 OF 5
DRAWN BY: AW	SCALE:
ISSUE DATE: 4/28/17	AS BUILT: AS SHOWN

STANDARD CONCRETE REPLACEMENT LIGHT POLE (TRIPLE COBRA)





EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

09/21/2017 N:\Engineering\Crown Castle\EXHIBIT EXAMPLES FOR CITY OF BOSTON\AA - AUTOCAD\EXHIBIT X-18.dwg

REVISIONS		
REV	DESCRIPTION	DATE

PREPARED BY:  21 OXFORD RD MANSFIELD, MA 02048 www.ucseeng.com 1-508-337-7600		TITLE: EXHIBIT X-18 PROPOSED BOSTON, MA	
PREPARED FOR: 		POLE INFO: STEEL POLE	
SURVEYED BY: UCS		PRINT NO: 5 OF 5	
DRAWN BY: AW		SCALE:	
ISSUE DATE: 4/28/17		AS BUILT: AS SHOWN	