# Exhibit X-1A

## Schedule of Approved Wireless Facilities

<table>
<thead>
<tr>
<th>Facility Number</th>
<th>X-1A - Standard Concrete Light Pole with RRH Concealment / Aeriata, Cobra, Shoebox, Double Cobra, Curved, Double Curved, Straight, Double Straight</th>
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</thead>
</table>
| Attachment Types | _X_ Replacement City Pole (streetlight)  
_X_ Replacement City Property Pole (streetlight)  
_X_ Attach to existing City Pole (streetlight)  
_X_ Attach to existing City Property Pole (streetlight)  
___ Attach to existing City Pole (traffic signal)  
___ Attach to existing City Property Pole (traffic signal)  
___ Attach to existing City Pole (street furniture)  
___ Attach to existing City Property Pole (street furniture)  
___ Attach to Non-City Pole |
| Attachment Type Detail | Standard Concrete Replacement Light Pole with RRH |
| Physical Description | Antenna array (no more than 42" diameter and no more than 30" height) of up to three antennas mounted to exterior of pole above and below the light fixture with a previously approved X-1 antenna or as a stand-alone system. Remote radio head(s), power, and fiber equipment will be concealed and ventilated within a stealth, expanded, base (not to exceed 49"H x 30"W x 30"D) The base will be painted to match the steel replacement pole and antenna equipment. GPS Antenna to be installed on the pole (not to exceed 4"H x 3"W). |
| 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 luminaire |
will be installed at the same height as the existing pole to conform to the local streetscape.

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<tr>
<th>Included Documents</th>
<th>The following documents:</th>
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<tr>
<td></td>
<td>A. Replacement Pole Profile including fixture type, equipment specifications, and foundation and ground connection details.</td>
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<td>B. Photo mock-up showing existing and proposed pole views.</td>
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<tr>
<th>RF Compliance Information</th>
<th>Facility conforms to information already on file</th>
<th>RF information attached</th>
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<tr>
<td>Crown Castle will attach FCC signage appropriate to the installed equipment.</td>
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| Comments | |
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EXHIBIT X-20D

REVISIONS

REV DESCRIPTION DATE

STANDARD CONCRETE REPLACEMENT LIGHT POLE WITH BASE CABINET, ANTENNA ARRAY AND POLE TOP ANTENNA

PROPOSED CHAIN ANTENNA 40’H x 18’W (MAX)

PROPOSED POLE TOP CONCEALMENT ENCLOSURE (OPTIONAL)

LEAD LIGHT FIXTURE

STYLE OF ARM & FIXTURE BASED ON EXISTING LIGHT POLE

PROPOSED ANTENNA ARRAY (30’H x 42”W) ARRAY TO INCLUDE MAXIMUM OF THREE ANTENNAS

PROPOSED GPS ANTENNA

VENTILATED EQUIPMENT ENCLOSURE 49”H x 30”W x 30”D WITH VENTED DOOR OPENINGS

TAPERED POLE BASE

POWER & FIBER FEED INTERNAL THROUGH POLE BASE

CONCRETE REPLACEMENT LIGHT POLE

CONCRETE REPLACEMENT LIGHT POLE

POT & FIBER FEED INTERNAL THROUGH POLE BASE

TAPERED POLE BASE

VENTILATED EQUIPMENT ENCLOSURE 49”H x 30”W x 30”D WITH VENTED DOOR OPENINGS

PROPOSED PRECAST FOUNDATION

PROPOSED PRECAST FOUNDATION (OPTIONAL)

PROPOSED GPS ANTENNA

PROPOSED POLE TOP CONCEALMENT ENCLOSURE (OPTIONAL)

PROPOSED CHAIN ANTENNA 40’H x 18’W (MAX)

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 (49”H x 30”W x 30”D).

7. GPS ANTENNA TO BE NO LARGER THAN 4”H x 3”W.

8. OWN ANTENNA TO BE NO LARGER THAN 18”Ø x 48”H.

9. EACH ANTENNA ARMS TO BE NO LARGER THAN 30”Ø x 48”W.

10. POLE REPLACEMENT INFORMATION FOR ALL STANDARD LIGHT POLES:
- 14’ EXISTING POLE TO BE REPLACED WITH NEW POLE AND A MAX HEIGHT OF 20’
- 19’ EXISTING POLE TO BE REPLACED WITH NEW POLE AND A MAX HEIGHT OF 25’
- 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’

11. CROWN CASTLE WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.

12. LED LIGHT & LUMINAIRE ARM STYLE WILL MATCH EXISTING & WILL BE AT SAME HEIGHT AS SHOWN IN PHOTOSIMS.

13. PROPOSED LIGHTING WILL COMFORM TO THE CITY OF BOSTON’S LIGHTING STANDARDS.

14. PROPOSED INSTALLATION WILL BE PERFORMED IN ACCORDANCE WITH APPLICABLE SAFETY CODES, MAINTAINING APPROPRIATE CLEARANCES FROM EXISTING UTILITIES.

15. PROPOSED INSTALLATION WILL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE STRUCTURAL ENGINEERING DESIGN STANDARDS. ANY ADDITIONS OR MODIFICATIONS TO THE EXISTING INSTALLATION WILL INCLUDE MODIFICATIONS TO ENSURE THE STRUCTURE IS SOUND AND COMPLIANT WITH CURRENT APPLICABLE STANDARDS.

16. 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.
STANDARD CONCRETE REPLACEMENT LIGHT POLE WITH BASE
CABINET, ANTENNA ARRAY AND POLE TOP ANTENNA
(COBRA)

EXISTING PHOTOGRAPHIC VIEW

PROPOSED PHOTOGRAPHIC SIMULATION
STANDARD CONCRETE REPLACEMENT LIGHT POLE WITH BASE CABINET, ANTENNA ARRAY AND POLE TOP ANTENNA (SHOE BOX)

EXISTING PHOTOGRAPHIC VIEW

PROPOSED PHOTOGRAPHIC SIMULATION
### EXHIBIT X-20D

**STANDARD CONCRETE REPLACEMENT LIGHT POLE WITH BASE CABINET, ANTENNA ARRAY AND POLE TOP ANTENNA (DOUBLE COBRA)**

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<tr>
<td>1</td>
<td>EXISTING PHOTOGRAPHIC VIEW</td>
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<td>PROPOSED PHOTOGRAPHIC SIMULATION</td>
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STANDARD CONCRETE REPLACEMENT LIGHT POLE WITH BASE CABINET, ANTENNA ARRAY AND POLE TOP ANTENNA (TRIPLE COBRA)

EXISTING PHOTOGRAPHIC VIEW

PROPOSED PHOTOGRAPHIC SIMULATION
STANDARD CONCRETE REPLACEMENT LIGHT POLE WITH BASE CABINET, ANTENNA ARRAY AND POLE TOP ANTENNA

NOTES:

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2. ALL MATERIAL, COLOR & STYLE WILL MATCH CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY RF FRIENDLY MATERIAL WILL BE PAINTED TO MATCH.

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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 4'9"x3'x3'.

7. GPS ANTENNA TO BE NO LARGER THAN 28"x48"x48".

8. EACH ANTENNA ARRAY TO BE NO LARGER THAN 30"x42"x30".

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### STANDARD CONCRETE REPLACEMENT LIGHT POLE WITH BASE CABINET, ANTENNA ARRAY AND POLE TOP ANTENNA (COBRA)

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#### EXISTING PHOTOGRAPHIC VIEW

![Existing Photographic View](image1)

#### PROPOSED PHOTOGRAPHIC SIMULATION

![Proposed Photographic Simulation](image2)

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[Crown Castle](www.crown-castle.com)  
Innovative Thinking. Engineered Solutions.
STANDARD CONCRETE REPLACEMENT LIGHT POLE WITH BASE CABINET, ANTENNA ARRAY AND POLE TOP ANTENNA (SHOE BOX)

EXISTING PHOTOGRAPHIC VIEW

PROPOSED PHOTOGRAPHIC SIMULATION
STANDARD CONCRETE REPLACEMENT LIGHT POLE WITH BASE CABINET, ANTENNA ARRAY AND POLE TOP ANTENNA (DOUBLE COBRA)

EXISTING PHOTOGRAPHIC VIEW

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**EXISTING PHOTOGRAPHIC VIEW**

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STANDARD CONCRETE REPLACEMENT LIGHT POLE WITH BASE CABINET, ANTENNA ARRAY AND POLE TOP ANTENNA (TRIPLE COBRA)