

HISTORIC AND DESIGN REVIEW COMMISSION

April 20, 2022

HDRC CASE NO: 2022-225
ADDRESS: Various Downtown Locations within the Public Right of Way
LEGAL DESCRIPTION: Public ROW
ZONING: D, H, RIO-3
CITY COUNCIL DIST.: 1
DISTRICT: Alamo Plaza Historic District, Ursuline Historic District, Main/Military Plaza
APPLICANT: Kevin Bowyer/Modus LLC
TYPE OF WORK: Installation of additional communications equipment on downtown street light poles in new locations
APPLICATION RECEIVED: March 31, 2022
60-DAY REVIEW: Not applicable due to City Council Emergency Orders
CASE MANAGER: Edward Hall
REQUEST:

The applicant is requesting a Certificate of Appropriateness to install additional communications equipment (CBRS) on green fluted street light poles in seven (7) locations. The locations are noted below:

1. Stumberg Street at Dwyer Avenue, located on the east side of Dwyer Avenue.
2. Villita Street near the intersection of Villita and Main Plaza, located on the north side of Villita Street.
3. S St Mary's Avenue at the intersection of College Street and the San Antonio River, located on the east side of S St Mary's Avenue.
4. W Houston Street at N Laredo Street, located on the southeast corner of the intersection.
5. Augusta Street near the Augusta Street bridge, located on the west side of the street.
6. N St Mary's Street at the N St Mary's Street bridge, located on the west side of the street.
7. Montana Street near at the intersection of Montana Street and I-37 Access Road, located on the northwest corner of the intersection.

APPLICABLE CITATIONS:

City of San Antonio - Code of Ordinances - Sec. 37 - Appendix A. - Right-of-way Network Node Design Manual

DIVISION V. ADDITIONAL AESTHETIC REQUIREMENTS IN DESIGN DISTRICTS

a. Applicability.

1. The requirements of Division IV of this Manual shall apply to network node installations in the ROW within all city parks, as well as in the ROW within, or directly abutting property within, Design Districts as defined herein.
2. For purposes of Texas Local Government Code Chapter 284 and this manual, the following types of districts shall be considered Design Districts with Decorative Poles:

A. Downtown 'D'

B. Historic 'H', 'HS', 'HE' or 'HL', including properties within historic districts and individual properties designated as Historic Landmarks

C. River Improvement Overlay 'RIO'

D. Neighborhood Conservation 'NCD'

E. Corridor Improvement Overlay

F. Viewshed Protection 'VP' and Mission Protection 'MPOD'

G. Airport/Military Airport Overlay 'AHOD/MAHOD'

H. Form-Based Zoning District 'FBZD'

The above list is intended for information purposes only, is not intended to be exhaustive, and is subject to amendment.

3. The Design Districts listed above may be further subdivided by neighborhood, area, or other division. Where specific requirements apply within sub-districts, such requirements may be elaborated in this Manual.

4. Where conflicts exist between this Manual and other district-specific or sub-district-specific Design Manuals, the more stringent requirements shall control.

b. Design District Aesthetic Requirements.

In addition to the design requirements in Division III of this Manual, the following aesthetic requirements shall apply in Design Districts:

1. New node support poles in districts designated as Design Districts in this Manual shall be placed within ten feet of interior lot lines.

2. In no event shall new node support poles be placed in front of the front façade of primary structures on any property designated as Historic or within fifteen hundred (1500) feet of the brass monument viewshed marker in front of a structure designated by the United Nations as a UNESCO World Heritage site.

3. Network nodes, node support poles, and related equipment shall require camouflage or concealment measures to mitigate the impact or improve the aesthetics of the installation, as determined by the Historic Preservation Officer based on the unique circumstances of the design district or impacted property.

A. New network nodes mounted to existing poles shall be low profile and flush mounted to the greatest extent feasible. Network nodes must be painted to match the support pole or structure on which they are mounted.

B. The installation of new node support poles is discouraged in Historic Districts, Downtown "D", River Improvement Overlay Districts, Viewshed Protection and Mission Protection Overlay Districts. The Historic Preservation Officer may require concealment of the support pole in the form of aesthetically appropriate street lamps, site elements, district signage, or other stealth methods. The color of any new support pole or concealment solution shall be determined by the Historic Preservation Officer based on site specific conditions.

i. New node support poles must generally be located at commercial corners and intersections.

ii. New node support poles must be separated from other node support poles or existing poles by a distance of 250 feet.

iii. Where a separation requirement cannot be met, network nodes are preferred to be mounted to existing poles or installed with a stealth method.

iv. The height of new node support poles should not exceed the established predominant height of other poles and historic site elements located within 500 feet of the proposed installation.

v. New node support poles must be painted and not exceed 8" in diameter at the widest portion of the pole.

C. Ground-mounted equipment must be integrated into the overall design of an installation, camouflaged or concealed based on site specific conditions, and positioned to mitigate visual or physical obstructions to nearby historic features as recommended by the Historic Preservation Officer.

c. Decorative Poles.

In accordance with Chapter 284, installation or attachment of wireless communications equipment, including antennas, network nodes, transport facilities, and related equipment is prohibited on all decorative streetlight poles in Design Districts.

(Ord. No. 2017-08-31-0609 , § 1, 8-31-17)

FINDINGS:

a. The applicant is requesting a Certificate of Appropriateness for approval to install additional communication equipment (CBRS) on green fluted street light poles in seven (7) locations. The additional equipment will be located near the middle of the fluted street light poles.

b. MUNICIPAL PROVISIONS

i. Chapter 284 of the Texas Local Government Code, adopted in Senate Bill 1004 (2017), grants wireless service providers access to the public right-of-way (ROW) to install network nodes and related equipment (equipment), and node support poles; including the right to place equipment on electric distribution poles, streetlight poles, and traffic signal poles.

ii. Chapter 284 grants ROW access to all wireless service providers, and to companies that do not provide wireless services but build or install equipment on behalf of wireless service providers; and the City's management of and access to the ROW must be competitively neutral and not discriminatory, not favoring one company's equipment over another.

iii. The law sets out compensation the City receives for ROW access when equipment is installed on electric distribution poles, streetlight poles, and traffic signal poles; the City also receives additional compensation when equipment is installed on traffic signal poles.

iv. In historic or design districts with decorative poles, a municipality may require reasonable design standards or concealment measures for the equipment.

v. Due to the diversity of equipment used by different companies, CPS Energy, the City, and the wireless service providers worked together to develop a consensus street light pole design standard

that will accommodate all the interested companies' equipment. The standard will apply to streetlight poles located in the downtown area and is based on the already approved downtown decorative streetlight pole and decorative base.

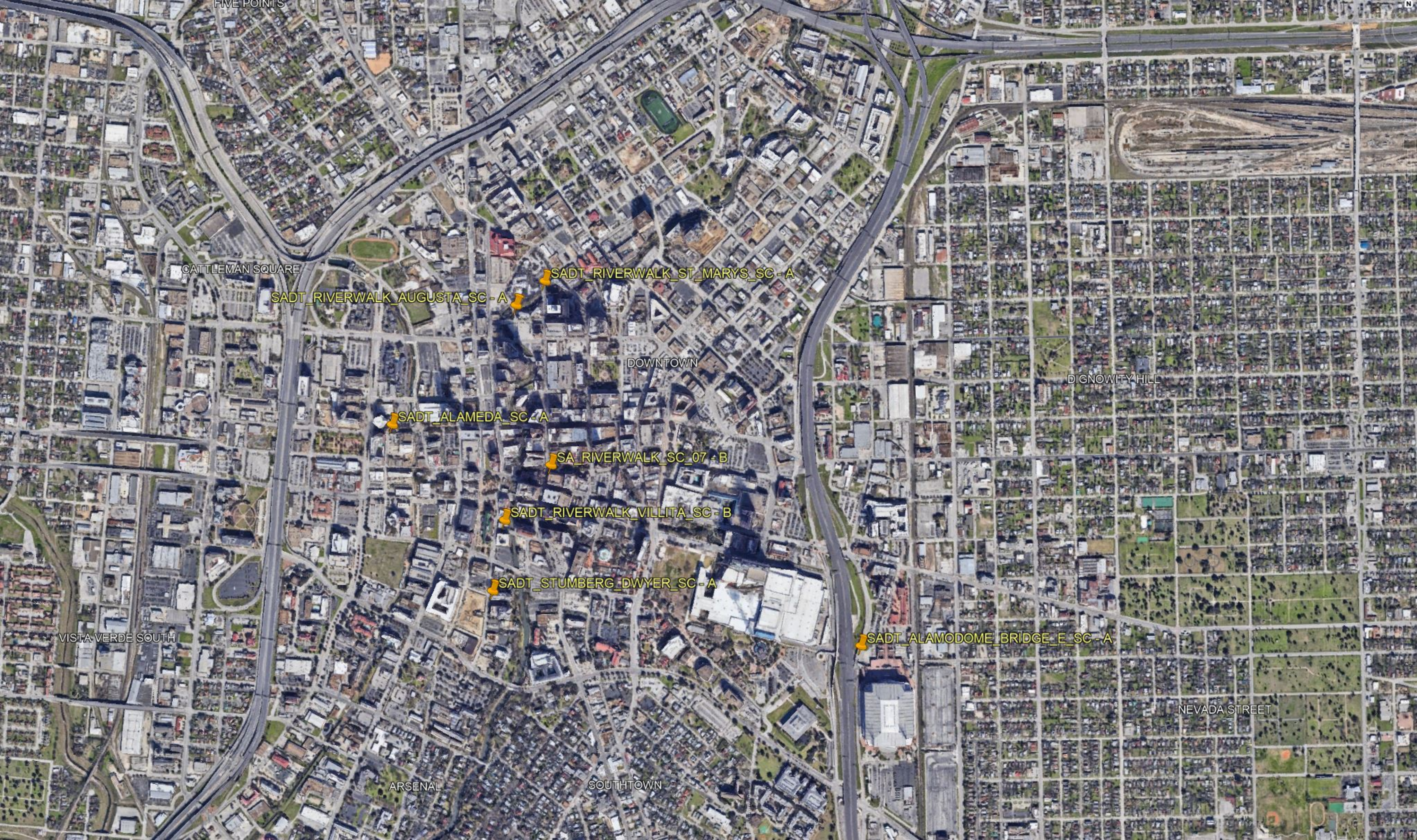
- c. HDRC PURVIEW - Modifying infrastructure and streetscapes in the Central Business District, zoned D (Downtown), among other overlays, requires review by the Historic and Design Review Commission and the issuance of a Certificate of Appropriateness. LOC GOV'T § 284.105 also notes "*As a condition for approval of new network nodes or new node support poles in a historic district or a design district with decorative poles, a municipality may require reasonable design or concealment measures for the new network nodes or new node support poles*". At this time, the only guiding document for municipal review of network node equipment in historic and design districts is *Code of Ordinances Sec. 37 - Appendix A. - Right-of-way Network Node Design Manual: Additional Aesthetic Requirements In Design Districts*. This manual mostly addresses the limitations of installing new poles with the requirement to feature a "stealth" aesthetic, which is not defined. At this time, staff has routinely recommended exhausting all options to attach onto existing utility poles, which is eligible for administrative approval. This request is being heard by the HDRC because unlike utility poles, streetlight replacement of this scope and context is not considered in-kind and may have outstanding implications on Downtown's streetscapes and related historic resources.
- d. PREVIOUS APPROVAL – At the August 21, 2019, and September 16, 2020, the Historic and Design Review Commission approved additional communication equipment to be installed on green, fluted CPS light poles throughout downtown. Between both approvals, approximately twenty-five (25) poles were approved to feature network node and communications equipment. The stipulations of these approvals regarding pole and equipment design are noted below:
- OVERALL DESIGN – Replacement poles should feature the same "Valmont Tapered 16 Flat Fluting" featuring a "Huntington" tapered base and a fluted pole no wider than 10 inches in diameter or 40 feet in total height. All attached equipment should be manufactured or painted "Tavern Green" and will not feature any branding, messaging, or outstanding utilitarian details. Conduit, if any, should be concealed within the pole or encased in manner that is minimally visible by running within a flute and painted to match.
 - BASE – METER AND DISCONNECT – The base should be located at ground level, featuring a tapered "Huntington" base no larger than 24 inches in diameter at the widest portion, and may include a riser no taller than 16.5 inches before tapering and is flush with the round bottom of the base and features a flush access door.
 - MID-POLE – 4G RADIO - The mid-pole allotment should be located above 14 feet from grade, featuring side-mounted equipment smaller than 18 inches in depth, 18 inches in width, and 36 inches in total height, a single simple rectangular shroud or individual exposed 4g equipment of simple geometries.
 - UPPER-POLE – 5G ANTENNA – The upper-pole allotment should be located above 17 feet from grade, featuring radial-mounted 5g equipment smaller than 12 inches radiating from the center of the pole, and 24 inch in total height, and simple geometries.
 - TOP-POLE – 4G ANTENNA – The top-pole allotment located on the top of the pole effectively extending the height of the pole, featuring cylindrical 4g equipment smaller than 12 inches in diameter and 6.5 feet in height.
 - MAINTENANCE – In addition to operational maintenance, the applicant is responsible for the visual upkeep of streetlight poles and attached equipment. Poles and equipment should maintain their Tavern Green finish and be repainted as necessary. Attached equipment that is found to be no longer in use should be removed.
 - ARCHEALOGY- The project shall comply with all other applicable federal, state, and local laws, rules, and regulations regarding archaeology.
 - PERMITTING - Subsequent applicants (providers in coordination with CPS) are responsible for obtaining all required permits and regulatory approval including but not limited to coordination with TCI, ITSD, OHP, and DSD prior to actual implementation.
- e. NEW LOCATIONS – The applicant has proposed locations that are located within local historic districts, the River Improvement Overlay, the Downtown Design Guide area, and a National Register of Historic Places District. Each of these zoning overlays feature cultural and historical elements that should not be negatively impacted by installations. Generally, staff finds the proposed replacement poles noted in request items 1, 2, 4, and 7 are proposed in locations that are appropriate. Staff finds these installation to be appropriate, provided they follow the standards of the previously approved design that has been successfully installed.

- f. NEW LOCATIONS (Riverwalk) – The applicant has proposed three replacement poles that are located within direct view of the San Antonio Riverwalk, identified as request items 3, 5, and 6. Staff finds that if poles are installed to match the previously approved design that has been successfully installed, the communications equipment will not create a negative impact on the pedestrian experience at the Riverwalk level.
- g. NEW EQUIPMENT – The applicant has proposed to install one additional radio above the middle location of equipment. Generally, staff finds this to be appropriate.
- h. APPEARANCE – All panels, radios, antennas and associated shall match the street light pole in color. Additionally, no wires or other conduit shall be visible.
- i. ARCHAEOLOGY – The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology, as applicable.

RECOMMENDATION:

Staff recommends approval based on findings a through g with the following stipulations:

- i. That all stipulations of the Pilot Program and past approvals apply. These stipulations are outlined in finding d.
- ii. That all panels, radios, antennas and associated shall match the street light pole in color. Additionally, no wires or other conduit shall be visible.
- iii. Archaeology – The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology, as applicable.



FIVE POINTS

CATTLEMAN SQUARE

SADT_RIVERWALK_AUGUSTA_SC - A

SADT_RIVERWALK_ST_MARYS_SC - A

DOWNTOWN

DIGNOWITY HILL

SADT_ALAMEDA_SC - A

SA_RIVERWALK_SC_07 - B

SADT_RIVERWALK_VILLITA_SC - B

SADT_STUMBERG_DWYER_SC - A

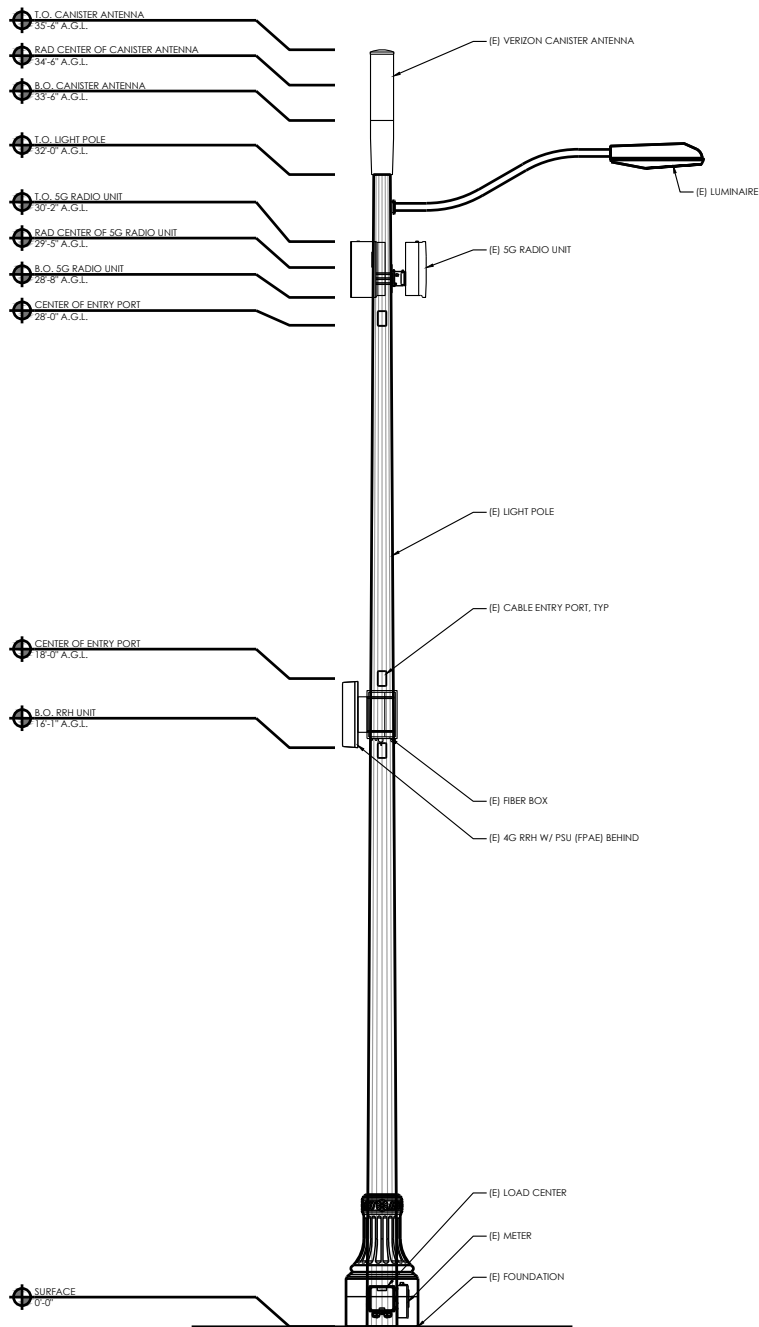
VISTA VERDE SOUTH

SADT_ALAMODOME_BRIDGE_E_SC - A

NEVADA STREET

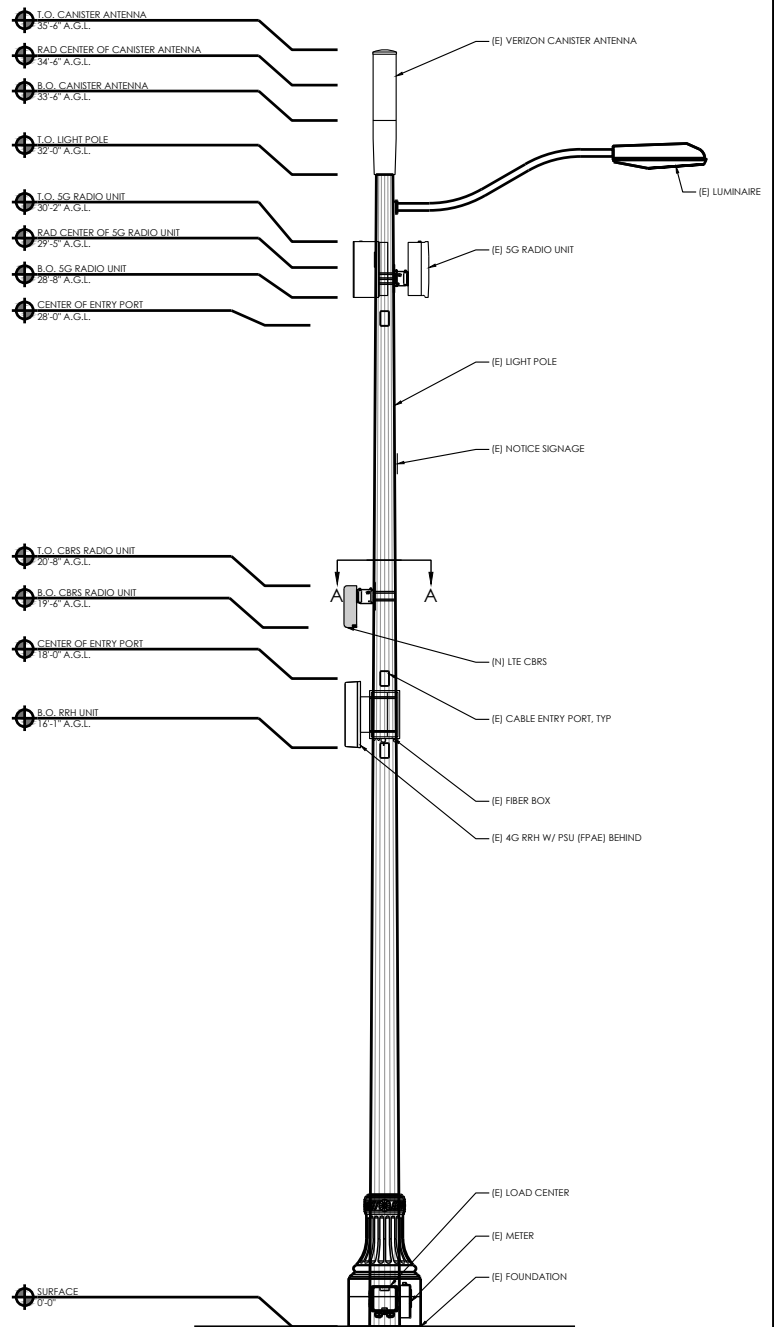
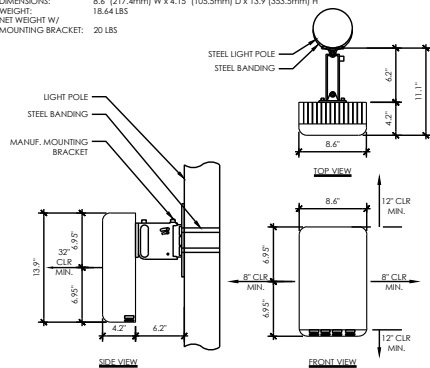
ARSENAL

SOUTHTOWN

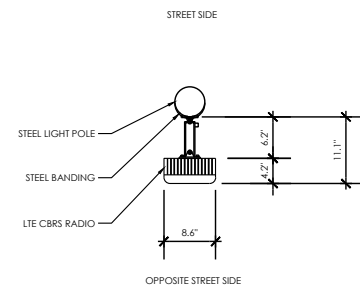


EXISTING SIDE VIEW

SAMSUNG LTE CBRs RT 4401-48A
 ANTENNA COLOR: LIGHT GRAY
 DIMENSIONS: 8.6\"/>



PROPOSED SIDE VIEW



A-A

PROJECT OWNER:

PROJECT CONSULTANT:

PROJECT INFO:

CURRENT ISSUE DATE & FOR:

SHEET NUMBER:



VERIZON WIRELESS
 6696 TRI COUNTY PARKWAY SUITE #100
 SCHERTZ, TX 78154



MODUS, LLC
 1601 HOLLY STREET
 AUSTIN, TX 78702

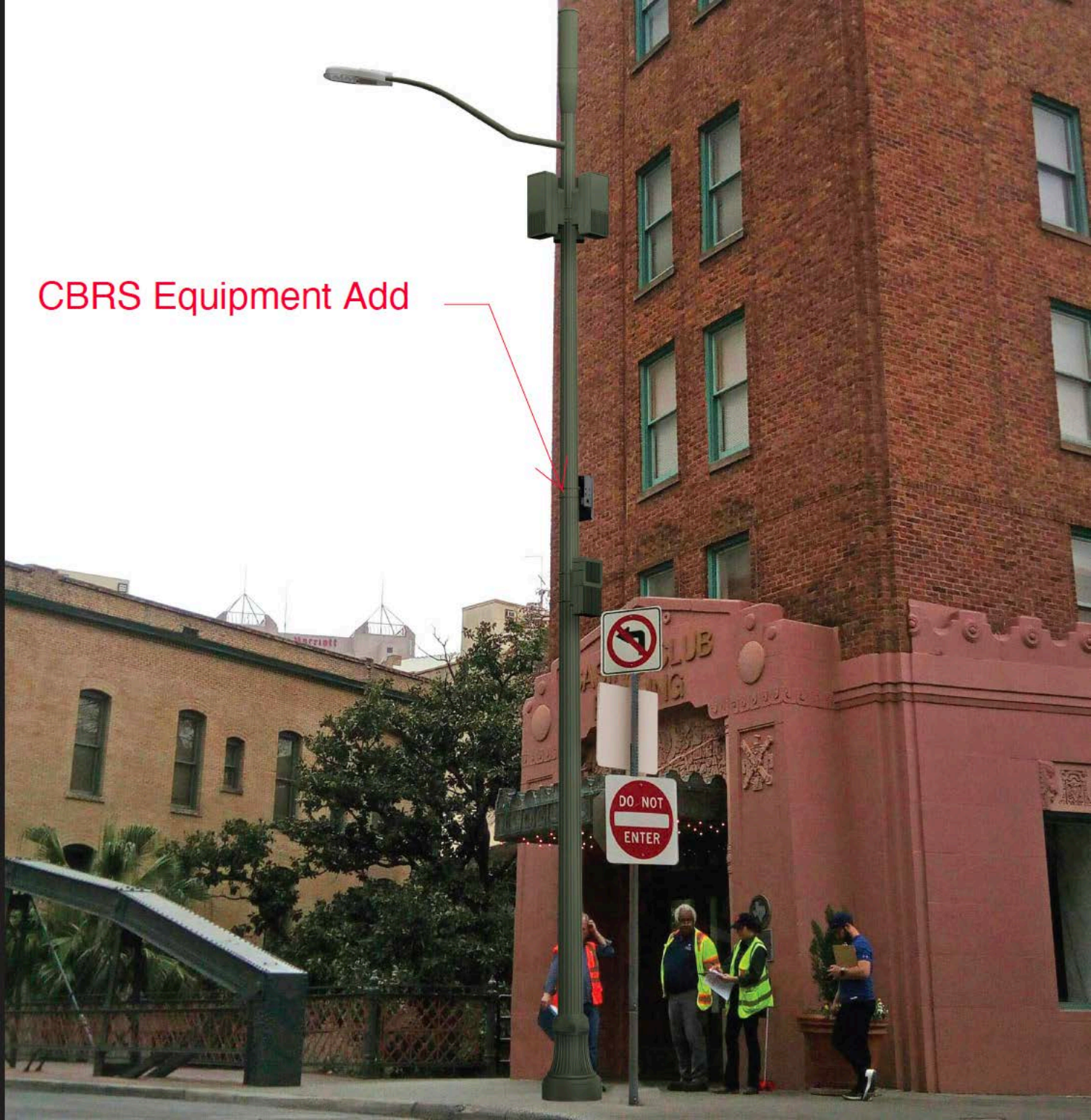
CPS FLUTED STEEL POLE

02/14/2022

ZD

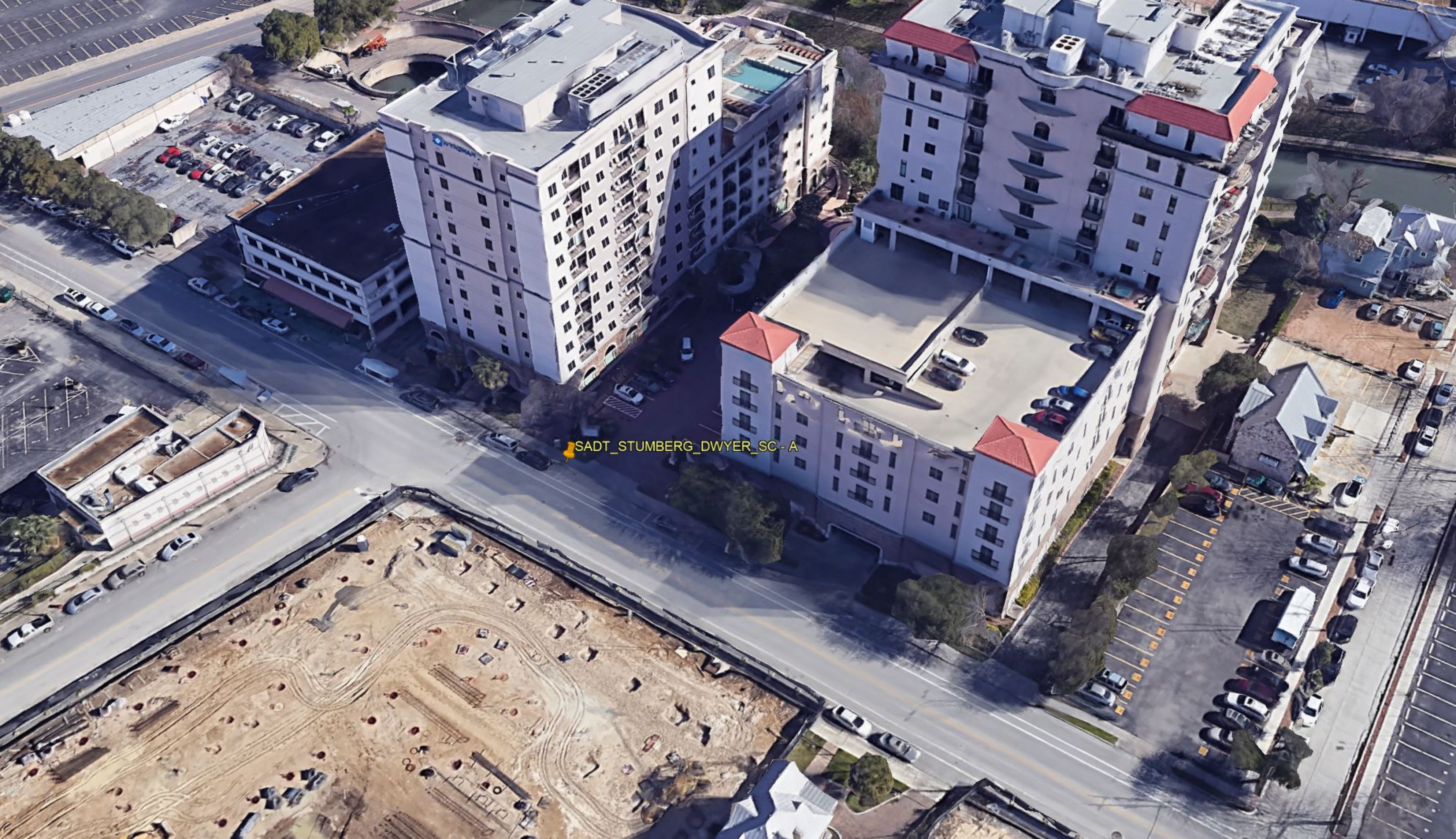
ZD-1

CBRS Equipment Add





CBRS Equipment Add



SADT_STUMBERG_DWYER_SC - A





SADT_RIVERWALK_VILLITA_SC-B





SA_RIVERWALK_SC_07 - B





SADT_ALAMEDA_SC - A





SADT_RIVERWALK_AUGUSTA_SC - A

SADT_RIVERWALK_ST_MARYS_SC - A



Augusta St





SADT_ALAMODOME_BRIDGE_E_SC - A



Jul 20, 2020 at 12:48:09 PM
123 Alamo Plaza
San Antonio TX 78205
United States



Jul 29, 2020 at 12:43:25 PM

123 Alamo Plaza

San Antonio TX 78205

United States



Jul 29, 2020 at 12:48:40 PM
123 Alamo Plaza
San Antonio TX 78205
United States



Jul 29, 2020 at 12:48:53 PM
211 Alamo Plaza
San Antonio TX 78205
United States



Jul 29, 2020 at 12:48:58 PM

211 Alamo Plaza

San Antonio TX 78205

United States



Jul 29, 2020 at 12:49:12 PM

211 Alamo Plaza

San Antonio TX 78205

United States



Jul 29, 2020 at 12:49:27 PM
211 Alamo Plaza
San Antonio TX 78205
United States



Jul 29, 2020 at 12:49:38 PM
849 E Commerce St
San Antonio TX 78205
United States
Shops at Rivercenter





EXAMPLE OF INAPPROPRIATE INSTALLATION



CITY OF SAN ANTONIO OFFICE OF HISTORIC PRESERVATION

HISTORIC AND DESIGN REVIEW COMMISSION CERTIFICATE OF APPROPRIATENESS RE-ISSUE

August 21, 2019

HDRC CASE NO: 2019-364

COMMON NAME: CPS Energy: Downtown Street Light Replacement Pilot Program

ADDRESS: 145 NAVARRO ST

LEGAL DESCRIPTION: NCB 986 BLK LOT 11- 12-13

PUBLIC PROPERTY: No

APPLICANT: Jesse Lopez/CPS Energy - 145 Navarro

OWNER: CITY PUBLIC SERVICE BOARD - PO BOX 1771

TYPE OF WORK: Antenna/satellite, Right-of-Way, Utility Work

REQUEST:

The applicant is requesting a Certificate of Appropriateness for approval to replace up to 12 existing streetlight poles with new streetlight poles that can accommodate network node equipment in the Downtown area, as a 6-month pilot program.

FINDINGS:

a. REQUEST - The applicant, CPS Energy in coordination with four network providers, AT&T, Sprint, T-Mobile, Verizon Wireless and their respective engineering consultants, has proposed to replace existing streetlight poles in the Downtown area with new streetlight poles that can accommodate and will feature 4g and 5g telecommunication equipment. The request is to begin as a pilot program for CPS and the City of San Antonio to troubleshoot actual implementation. CPS will return to the commission for final approval of a standard network-node compatible streetlight pole standard that may be then approved administratively on a case-by-case installation. b. INITIATIVE - Per Texas Local Government Code Chapter 284, adopted in Senate Bill 1004, effective on September 1, 2017, "network providers' access to the public right-of-way and the ability to attach network nodes to poles and structures in the public right-of-way allow network providers to densify their network and provide next-generation services (LOC GOV'T § 284.101(4))." Network providers have previously coordinated with the City of San Antonio and related departments to attach onto existing utility or traffic poles or to install new poles where no poles exist. At this time, streetlight poles have not been accessed by providers, primarily because current structural standards cannot accommodate the additional loads of newly attached equipment nor conceal the meter and disconnect without increasing the riser height. c. MUNICIPAL PROVISIONS – i. Chapter 284 of the Texas Local Government Code, adopted in Senate Bill 1004 (2017), grants wireless service providers access to the public right-of-way (ROW) to install network nodes and related equipment (equipment), and node support poles; including the right to place equipment on electric distribution poles, streetlight poles, and traffic signal poles. ii. Chapter 284 grants ROW access to all wireless service providers, and to companies that do not provide wireless services but build or install equipment on behalf of wireless service providers; and the City's management of and access to the ROW must be competitively neutral and not discriminatory, not favoring one company's equipment over another. iii. The law sets out compensation the City receives for ROW access when equipment is installed on electric distribution poles, streetlight poles, and traffic signal poles; the City also receives additional compensation when equipment is installed on traffic signal poles. iv. In historic or design districts with decorative poles, a municipality may require

reasonable design standards or concealment measures for the equipment. v. Due to the diversity of equipment used by different companies, CPS Energy, the City, and the wireless service providers worked together to develop a consensus street light pole design standard that will accommodate all the interested companies' equipment. vi. The standard will apply to streetlight poles located in the downtown area and is based on the already approved downtown decorative streetlight pole and decorative base. d. HDRC PURVIEW - Modifying infrastructure and streetscapes in the Central Business District, zoned D (Downtown), among other overlays, requires review by the Historic and Design Review Commission and the issuance of a Certificate of Appropriateness. LOC GOV'T § 284.105 also notes "As a condition for approval of new network nodes or new node support poles in a historic district or a design district with decorative poles, a municipality may require reasonable design or concealment measures for the new network nodes or new node support poles". At this time, the only guiding document for municipal review of network node equipment in historic and design districts is Code of Ordinances Sec. 37 - Appendix A. - Right-of-way Network Node Design Manual: Additional Aesthetic Requirements In Design Districts. This manual mostly addresses the limitations of installing new poles with the requirement to feature a "stealth" aesthetic, which is not defined. At this time, staff has routinely recommended exhausting all options to attach onto existing utility poles, which is eligible for administrative approval. This request is being heard by the HDRC because unlike utility poles, streetlight replacement of this scope and context is not considered in-kind and may have outstanding implications on Downtown's streetscapes and related historic resources. e. DESIGN REVIEW COMMITTEE – The applicant met the Design Review Committee on June 26, 2019. DRC members advised against increasing the base size above 24 inches in diameter and against allowing more than one provider's equipment per pole. DRC members also asked about how new street light pole locations are determined and the feasibility of stipulating standalone network-only pole to feature a luminaire arm, to which the applicant responded that it would be a case-by-case basis and that the commission should encourage providers coordinate with CPS in that regard. The applicant forwarded the feedback to the network providers while updating and finalizing the specifications for the August 21, 2019, HDRC hearing. f. PILOT PROGRAM – The applicant has provided the following description: "CPS Energy (including these providers: AT&T, Sprint, T-Mobile, Verizon Wireless) is requesting a Certificate of Appropriateness for approval to replace up to twelve (12) existing streetlight poles with new light poles for network node attachments for a pilot program in the Downtown District. The pilot program would allow each provider to replace up to three (3) existing light poles to mount their network node equipment. Each provider would deploy the selected design, which will involve streetlight pole replacement, potential new foundation construction, and trenching for communication and power. The proposed timeline of the pilot period is 6 months from the date of approval. Within that period, providers are responsible for obtaining related permits and installing the new equipment, in coordination with CPS. If all involved parties are generally satisfied with findings from the pilot period, then CPS in coordination with providers may be eligible for indefinite administrative approval for replacing remaining Downtown streetlights to accommodate network node equipment." g. PILOT AREA – The pilot area is at the center of the Central Business District (Downtown), within the primary boundaries of E Pecan, N Alamo, E Commerce, E Market, and E Houston. The applicant intends to utilize the concise pilot area for troubleshooting implementation prior to expanding an approved standard design for all of the Downtown District. The pilot area and the expanded Downtown area feature a number of assets under the purview of the Historic and Design Review Commission: the Central Business District, RIO-3, the Riverwalk, ten (10) local historic districts, and hundreds of local historic sites. h. EXISTING POLES – The applicant has proposed to replace existing streetlight poles that feature an extending luminaire arm and a height generally above thirty-feet (30'), which excludes decorative pedestrian lamps. Existing streetlamps primarily feature two designs: (a) approximately 200 simple smooth poles with a faded neutral color installed throughout the last few decades and (b) approximately 50 "Valmont Tapered 16 Flat Fluting or similar" streetlights with tapered "Huntington" bases, fluted poles, and painted "Tavern Green" installed after 2014, as part of right-of-way improvements under the Downtown Design Guide and RIO-3. i. PROPOSED POLES – At this time, the current standard of Valmont poles, featuring 8 inches in pole diameter, 24 inches in base diameter with a 6-inch tall riser before tapering and approximately 31.5-feet in height, cannot accommodate the additional loads and equipment for network nodes. The applicant has proposed to replace existing poles by updating the current standard to instead feature: 10 inches in pole diameter, 24 inches in base diameter with an 14.5-inch tall riser before tapering, and equipment mounted at mid-pole, upper-pole, and pole-top. Poles are to still feature a Valmont design which includes fluting and a "Tavern Green" finish. Staff finds that the dimensions of the proposed replacement poles, excluding the equipment (reviewed in the following findings), is a minimal departure from the current standard and is generally appropriate. j. NETWORK NODE EQUIPMENT – The applicant, in coordination with network providers is requesting to install both concealed and exposed equipment when replacing existing poles with new compatible poles. At this time, the applicant, CPS will manage the distribution of streetlights to be claimed by one provider each, and there are no plans to collocate more than one provider's equipment per pole. There are up to four types of equipment, each allocated to a portion of the streetlight and guided by manufacturing limitations and

current or proposed design standards: (a) the meter and disconnect are located inside the tapered base, (b) the 4g radio is located at mid-pole, (c) the 5g antenna/radio is located at upper-pole, and (d) the 4g antenna/radio is located on pole-top. Minor deviations may occur between providers and manufacturers. Each equipment type is further reviewed in following findings.

k. BASE - METER AND DISCONNECT – The applicant has proposed to conceal all providers’ meters and disconnects inside the tapered base. At this time, utilizing a “smart puck” meter, the diameter of the base has been reduced to a maximum of 24 inches, rather than 48 inches with a traditional meter as originally considered. Additionally, concealing the meter and disconnect also requires increasing the height of the riser from approximately 6 inches as existing to 16.5 inches as proposed (adding 10.5 inches). Staff finds that the following base specifications to be appropriate: that the proposed base be located a ground level, featuring a tapered “Huntington” base no larger than 24 inches in diameter at the widest portion, and may include a riser no taller than 16.5 inches before tapering and is flush with the round bottom of the base and features a flush access door, and that manufactured or painted “Tavern Green” and will not feature any branding, messaging, or outstanding utilitarian details.

l. MID-POLE - 4G RADIO – The applicant has proposed to allocate a mid-pole portion to feature exposed 4g radio equipment. Mid-pole is defined as above fourteen-feet (14’) from grade. This equipment features multiple smaller parts and conduit and can be encased inside a cabinet or “shroud”. Sprint and T-Mobile have confirmed that their shrouded 4g radio equipment can fit into a cabinet that is no more than 18 inches in depth, 18 inches in width, and 36 inches in height, placed above 14 feet from grade. Verizon would require a shroud that is 22 inches in depth, 23 inches in width, and 36 inches in height. Verizon has also proposed that their exposed equipment without a shroud would only require an allotted maximum space of 12.2 inches in width, 11 inches in depth, and 6 feet in total height for three separate parts. At this time, AT&T can incorporate their 4g radio into the design of their 4g antenna on the pole-top and will not the utilize mid-pole portion. Staff finds following mid-pole specifications to be appropriate. The mid-pole specifications are as follows: located above 14 feet from grade, featuring side-mounted equipment no more than 18 inches in depth, 18 inches in width, and 36 inches in total height, a single simple rectangular shroud or individual exposed 4g equipment that is manufactured or painted “Tavern Green” and will not feature any branding, messaging, or outstanding utilitarian details. Conduit, if any, should be concealed within the pole or encased in manner that is minimally visible by running within a flute and painted to match.

m. UPPER-POLE – 5G ANTENNA/RADIO – The applicant has proposed to allocate an upper-pole portion to feature exposed 5g antennas. Upper-pole is defined above seventeen-feet (17’) from grade. At this time, only AT&T and Verizon have submitted and pursued the installation of 5g equipment. AT&T will feature two (2) half-cylinder antennas flanking both side of the pole, up to 10 inches in depth and width, and 14 to 24 inches in height. Verizon will feature three (3) rectangular antennas angled equidistantly, 12 inches in depth, 12 inches wide, and up to 24 inches in height. Staff finds following upper-pole specifications to be appropriate. The specifications are as follows: located above 17 feet from grade, featuring radial-mounted 5g equipment no more than 12 inches in depth, 12 inch in width, and 24 inch in total height, that may feature a single simple geometries and that is manufactured or painted “Tavern Green” and will note feature any branding, messaging, or outstanding utilitarian details. Conduit, if any, should be concealed within the pole or encased in manner that is minimally visible by running within a flute and painted to match.

n. POLE-TOP – 4G ANTENNA/RADIO – The applicant has proposed to allocate a top-pole portion to feature an exposed 4g antenna. Top-pole is defined as on top of the pole, effectively extending the pole in total height. All four providers have submitted to install 4g antennas, including AT&T whose 4g radio was will be excluded from the mid-pole portion to be incorporated with their 4g antennas at top-pole Each provider’s 4g antennas can be manufactured in a cylindrical shape to extend the existing general form of the pole and can each be within 12 inches in diameter and between 3 to 6.5 feet in height. Staff finds the following top-pole specifications to be appropriate: located on the top of the pole effectively extending the height of the pole, featuring cylindrical 4g equipment no more than 12 inches in diameter and 6.5 feet in height and that is manufactured or painted “Tavern Green” and will note feature any branding, messaging, or outstanding utilitarian details. Conduit, if any, should be concealed within the pole or encased in manner that is minimally visible by running within a flute and painted to match.

RECOMMENDATION:

Staff recommends approval of the pilot program and streetlight pole design based on findings b through n with the following stipulations: i. PILOT SCOPE – No more than 3 streetlights per provider or 12 streetlights total are subjected to replacement. ii. PILOT AREA - The pilot area is limited to the center of Downtown within the primary boundaries of E Pecan, N Alamo, E Commerce, E Market, and E Houston. iii. PILOT PERIOD – The 6 month pilot period shall begin the day after approval by the HDRC. Each provider is responsible for installing their equipment within the pilot period, which includes: coordinating with CPS to claim individual pole locations, obtaining each location’s respective permits and administrative Certificates of Appropriateness, and coordinating with CPS on the physical removal of the existing pole and installation of the new pole with network node equipment. If all involved

parties are generally satisfied with findings from the pilot period, then CPS in coordination with providers may be eligible for indefinite administrative approval for replacing remaining Downtown streetlights to accommodate network node equipment. If the pilot design is found to be aesthetically or operationally unsatisfactory to associated parties by the end of the pilot period, compliance which may include the removal of the network node equipment must be achieved within 6 months within the end of the pilot period, effectively a year from the date of the pilot approval. iv. OVERALL DESIGN – Replacement poles should feature the same “Valmont Tapered 16 Flat Fluting” featuring a “Huntington” tapered base and a fluted pole no wider than 10 inches in diameter or 40 feet in total height. All attached equipment should be manufactured or painted “Tavern Green” and will not feature any branding, messaging, or outstanding utilitarian details. Conduit, if any, should be concealed within the pole or encased in manner that is minimally visible by running within a flute and painted to match. v. BASE – METER AND DISCONNECT – The base should be located at ground level, featuring a tapered “Huntington” base no larger than 24 inches in diameter at the widest portion, and may include a riser no taller than 16.5 inches before tapering and is flush with the round bottom of the base and features a flush access door. vi. MID-POLE – 4G RADIO - The mid-pole allotment should be located above 14 feet from grade, featuring side-mounted equipment no more than 18 inches in depth, 18 inches in width, and 36 inches in total height, in a single simple rectangular shroud or individual exposed 4g equipment of simple geometries. vii. UPPER-POLE – 5G ANTENNA – The upper-pole allotment should be located above 17 feet from grade, featuring radial-mounted 5g equipment no more than 12 inches radiating from the center of the pole, and 24 inch in total height, and simple geometries. viii. TOP-POLE – 4G ANTENNA – The top-pole allotment should be located on the top of the pole effectively extending the height of the pole, featuring cylindrical 4g equipment no more than 12 inches in diameter and 6.5 feet in height. ix. MAINTENANCE – In addition to operational maintenance, the applicant is responsible for the visual upkeep of streetlight poles and attached equipment. Poles and equipment should maintain their Tavern Green finish and be repainted as necessary. Attached equipment that is found to be no longer in use should be removed. x. ARCHEALOGY- The project shall comply with all other applicable federal, state, and local laws, rules, and regulations regarding archaeology. xi. PERMITTING - Subsequent applicants (providers in coordination with CPS) are responsible for obtaining all required permits and regulatory approval including but not limited to coordination with TCI, ITSD, OHP, and DSD prior to actual implementation.

COMMISSION ACTION:

Approved with stipulations noted in staff's recommendation in the above section.

RE-ISSUE REASON:

VERIZON/MODUS has satisfied the terms of the pilot program and are ELIGIBLE for administrative approval of attaching to or replacing streetlight poles in Downtown for network node equipment.

Poles installed by VERIZON/MODUS must adhere to the approved 'final product' design, including cable concealment, associated with the submitted case file.

Any deviation from the approved 'final product' design may require additional review.

While streetlight replacements in Downtown are ELIGIBLE for administrative approval, the Historic Preservation Officer may require any request to be heard by the Historic and Design Review Commission if the proposed location poses a potential adverse effect to nearby historic landmarks or within historic districts.

RE-ISSUE DATE: 8/4/2020

RE-ISSUED BY: Huy Pham



Shanon Shea Miller
Historic Preservation Officer

A Certificate of Appropriateness (COA) serves as a record of design approval and is valid for 180 days. Work that is not completed in accordance with this certificate may be subject to correction orders and other penalties.

A COA does not take the place of any required building permits nor does it authorize the use of a property beyond what is allowed by the Unified Development Code. Prior to beginning your construction project, please contact the Development Services Department at (210) 207-1111 to ensure that all requirements have been met.

This Certificate must remain posted on the job site for the duration of your project. Modifications to an approved design or an expired approval will require a re-issue of your Certificate of Appropriateness by OHP staff. Please contact OHP Staff at (210) 207-0035 with any questions.