



DATE REVISED	10/06/2021	CITY OF MANHATTAN BEACH DEPARTMENT OF PUBLIC WORKS	
		ARTERIAL HIGHWAY MEDIAN LIGHTING	
APPROVED BY		11/02/2021	STANDARD PLAN NUMBER
	PREM KUMAR, P.E., CITY ENGINEER	DATE	MBLT-400C-0
			SHEET 1 OF 2

LIGHT FIXTURE:

LED (LIGHT EMITTING DIODE) SHALL BE GENERAL ELECTRIC 120/240 V, EVOLVE LED MEDIUM COBRA HEAD WITH AN EVOLVE LIGHT ENGINE CONSISTING OF REFLECTIVE TECHNOLOGY, AN IP 65 RATED OPTICAL ENCLOSURE, AND AN INJECTION MOLDED HID ACRYLIC LENS. ADJUSTABLE LUMINAIR, REDUCED GLARE, SHIELD, OR OTHER SPECIAL MATERIALS FOR RESIDENTIAL NEIGHBORHOOD CONSIDERATION SHALL BE INSTALLED AS DIRECTED BY THE CITY ENGINEER.

FOR ARTERIAL ROADWAYS LESS THAN 75 FT WIDE:

COLOR TEMPERATURE: 3000K LUMENS: 7,800 WATTS: 71 W ERL1008B330AGRAY
FOR AREAS WITHIN 1 MILE OF COAST WITH MARINE COATING, ERL1008B330AGRAYY TO BE USED.

FOR ARTERIAL ROADWAYS 75 FEET AND ABOVE:

COLOR TEMPERATURE: 3000K LUMENS: 9,600 WATTS: 82 W ERLH010B330AGRAY
FOR AREAS WITHIN 1 MILE OF COAST WITH MARINE COATING, ERLH010B330AGRAYY TO BE USED.

POLE NOTES:

1. POLE TYPE SHALL BE MARBELITE, AMERON 1C1-28 (01N) W/CF6D ARM ASSEMBLY (AMERON DWG NO. 040-35408) OR APPROVED EQUAL.
2. POLE SHALL BE OCTAGONAL IN SHAPE, SYMMETRICALLY TAPERED, MADE OF PRECAST/PRESTRESSED CONCRETE, NATURAL GRAY IN COLOR WITH BLACK AND WHITE AGGREGATE, AND ENTIRELY COATED WITH AMERSHIELD ANTI-GRAFFITI COATING.
3. POLE SHALL BE BASE MOUNTED, DIRECT BURIAL IS NOT ALLOWED.
4. POLE SHALL BE PLUMB, MAXIMUM VARIANCE 0.08"/FT.
5. LOCATION (TO POLE CENTER) SHALL BE 2'-0" MINIMUM FROM FACE OF CURB, 5' FROM BCR/ECR, 5' FROM UTILITY TRANSFORMER AND OTHER OBSTRUCTIONS.
6. BOLT CIRCLE DIAMETER, 12" AMERON.
7. MATERIALS SHALL BE FROM SAME MANUFACTURER ALONG SAME STREET AND IN THE SAME TRACT UNLESS APPROVED BY THE ENGINEER.
8. CONDUCTORS SHALL BE TWO NO. 8 THW WIRES WITHIN THE POLE BETWEEN THE SPLICE POINT AND THE FIXTURE OR PER SCE STD.

GENERAL NOTES:

1. SUBMIT CALIFORNIA LICENSED STRUCTURAL ENGINEER CALCULATIONS, STAMP, AND SIGNATURE PROVIDING ANALYSIS OF FOUNDATION DESIGN, POLE, AND ALL SUPPORTED EQUIPMENT. CONCRETE SHALL BE CLASS 560-C-3250 PER STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK). ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CALTRANS STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION, AND SUPPLEMENTS THERETO AND TO THE SATISFACTION OF THE ENGINEER.
2. THIS STANDARD SHALL APPLY TO STREET CLASSIFICATIONS OF INDUSTRIAL COLLECTOR AND ABOVE.
3. ALL EXCAVATION AND SHORING SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 6 OF THE STATE OF CALIFORNIA OSHA. TRENCHES EXCEEDING MORE THAN 5 FEET BELOW GRADE OR WHERE UNSTABLE SOIL IS PRESENT SHALL BE PROPERLY SHORED.



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