

TRAFFIC SIGNALS

GENERAL

Traffic Signal and Highway Safety Lighting Systems shall conform to the latest State of California Department of Transportation Standard Specifications, as shown hereon and in Special Provisions. Traffic Controller unit shall conform to the latest City of Burbank Traffic Signal Controller Type 170 Specification.

SPECIAL PROVISIONS

1. Locate all substructures prior to construction. Hand dig foundations until clear of obstructions. Coordinate pole installations with Overhead Utility or Substructure Owners.
2. Perform preliminary striping layout prior to loop detector layout.
3. Loop detectors shall be 6' Round with 10' spacing between adjacent loops in the same lane, except as noted. Loop lead-in cable shall be Caltrans Type B.
4. New pull boxes shall be Caltrans No. 6, unless otherwise specified.
5. All safety lighting shall be 100W, 120/240 Volt, LED, Type III, individual photocell controlled and unmetred.
6. Pedestrian signals, vehicle signal heads, and backplates are to be black, unless otherwise specified.
7. All signal heads shall be 12-inch, aluminum housing with full circle visors and louvered backplates. Minimum height shall be 10' from bottom of bracket to roadway sidewalk or median grade.
8. Signal controller and cabinet shall be delivered to the City of Burbank Traffic Signal Maintenance Yard at least 14 days prior to installation for shop testing.
9. Existing traffic signal and street lighting equipment, and foundations, shall be removed unless otherwise shown. Removed equipment except foundations shall be salvaged and delivered to the City Yard. Existing conduit not to be reused shall be abandoned. Contractor shall dispose of (preferably through recycling) foundations, conduit, and conductors.
10. Prior to working on service or lighting circuits contact Burbank Water and Power at (818) 238-3952 at least 48 hours in advance for daily safety circuit clearance.

CITY OF BURBANK – PUBLIC WORKS DEPARTMENT

REVIEW	INITIAL	DATE	TRAFFIC SIGNALS		STANDARD PLAN
<i>[Signature]</i>	JY	9/24/15	APPROVED BY: <u><i>[Signature]</i></u> PUBLIC WORKS DIRECTOR		BT-408-1
<i>[Signature]</i>	KS	9/28/15			9-29-15 DATE

11. All signal equipment shall be new, unless otherwise shown.
12. A minimum of 2-3" conduits shall be installed from the controller cabinet to the homerun pull box.
13. Conductor schedule is furnished as an installation guide only. 14/28-SBX87526 Caltrans Type, 28 conductor cable, shall be installed in lieu of individual conductors. It shall be the contractor's responsibility to provide more cables required for the intended operation.
14. All pedestrian heads shall be Type A, LED with countdown. Minimum height shall be 7' from bottom of housing to sidewalk grade.
15. Pedestrian push buttons shall be Type "B" with appropriate international symbol signs, to be installed 40" from sidewalk grade.
16. Traffic Controller assembly shall be State of California Department of Transportation Model 170E complete with Model 332 traffic signal cabinet, conforming to the latest City of Burbank Traffic Signal Controller, Type 170 Specification. Controller software shall be McCain 233 program.
17. Service Cabinet shall be Caltrans Type III-BF 120/240 volt signal and lighting service with 1-50A-1P circuit breaker (signals). 1-30A-2P circuit breaker (lighting), 1-30A-1P (spare), 1-15A-1P (spare). Position cabinet a minimum of 6' from controller cabinet. Cabinet shall not have a meter.
18. Controller cabinets shall be located in accordance with the following:
 - A. Traffic movement in the intersection shall be visible from the controller timing position.
 - B. The doors of the cabinet should open away from the curb or traveled way.
19. Conduit and conduit fittings shall be hot-dipped galvanized rigid steel, 3" diameter unless otherwise specified.
20. Locations of traffic signal cabinets and poles shall be approved by the Engineer to ensure compliance with the Americans with Disabilities Act.

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