

3 02/26/18 Make change to CHART B column heading KAP

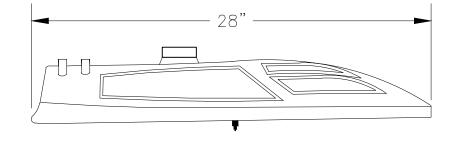
REVISION

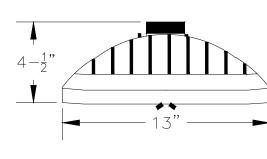
2 01/22/18 Add pole finish note

10/5/17 Updated Standard

APP'D BY: Kristi Ericksen

TLC





**FRONT** 

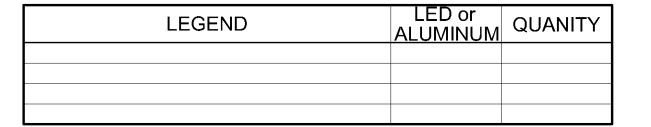
1. Shall have a white light color temperature minimum of 4000K - 70CRI.

- 2. Shall include standard AEL lineman—friendly features such as tool—less entry, 3 station terminal block and quick disconnects.
- 3. Shall have a bubble level located inside the electrical compartment for easy leveling at installation.
- 4. Shall have a 4 bolt clamping mechanism providing 3G vibration rating per ANSI C136. 5. Shall have premium solid state locking-style photocontrol - PCSS (10 year rated life).
- 6. Shall have onboard adjustable output module that allows the light output and input wattage to be modified to meet site specific requirements.

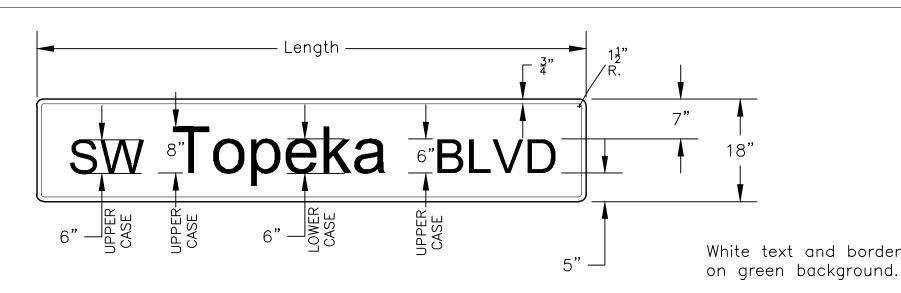
### **LED LUMINAIRE**

- The Contractor shall supply and install all necessary materials and equipment for the complete and satisfactory operation of the traffic signal system whether materials and equipment are specifically mentioned or not.
- The contractor shall be responsible for the complete wiring of intersection. All field wires shall be labeled.
- 3. PROJECT SIGN TYPE A: The Contractor will be required to install one type A sign at the intersection. The contractor may obtain the sign from a supplier (pre-approved by the City) for a set price. The bid will include the cost of material, installation & maintenance. See city detail sheet DT-019 for mounting details.
- 4. The Contractor connecting the power shall be a licensed electrical contractor of Topeka and shall obtain a "WILL CALL PERMIT" from the City of Topeka Building Inspection division prior to construction. A copy of the "WILL CALL PERMIT" shall be forwarded to the Engineer by the contractor. The Building Inspection Division may be reached at 368—3905. Request for electrical inspection shall be made one day before it is needed. A licensed journeyman electrician is required to perform the actual service connection and is required to be on the job site at the time of field inspection. An Excavation permit will be required from the Permit Section at 368-3704.
- 5. The established address for this project (and controller) is:

## MAST ARM MOUNTED **BILL OF STREET NAME SIGNS**

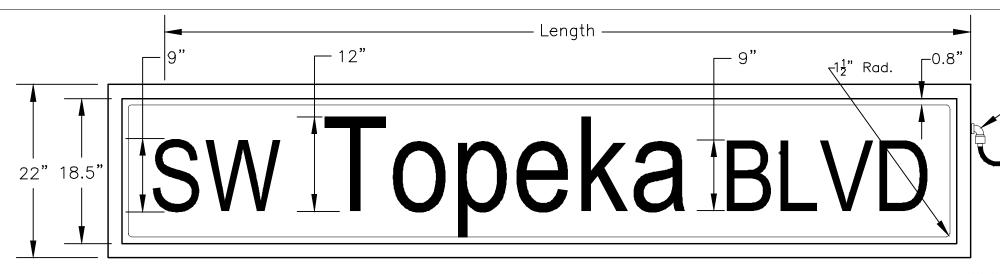


Length of sign to be determined by manufacturer and approved by Engineer.



# **ALUMINUM STREET NAME SIGN**

MAST ARM MOUNTED



Connect to street light circuit at pole terminal block

# **LED STREET NAME SIGN**

White text and border on green background.

connect

### BILL OF MATERIALS SYMBOLS

- to the controller. ++= Supplied by the city, installed by the
- contractor assisted by the supplier.  $\oplus$  = Supplied and installed by the City of Topeka.
- Pulled in after signal wire has been pulled.

 $\mathfrak{Z}=\mathsf{Cable}$  shall be continuous from each camera  $\mathfrak{B}\mathfrak{B}=\mathsf{When}$  Black Semi Gloss is indicated, all exposed surfaces of the traffic signal and it's appurtenances, including cabinets, brackets, banding, buckles, back-plates, sign backs, and fixtures shall have a finish color of BLACK (semi-gloss) Federal Standard 595 Color #27038 or approved equivalent. If fixtures or appurtenances such as detection cameras or radios are not standardly available with a black finish, they may be supplied with the manufacture's standard finish and delivered to the City for painting prior to installation. Poles, pedestals & cabinets shall be powder coated.



**STANDARD DETAILS DT - 101** 

**BILL OF MATERIALS,** STREET NAME SIGNS, **AND LED LUMINAIRES DETAILS** 

SHEET: \_\_\_\_\_ PROJ.:\_\_\_\_