



LUMINAIRE MAST ARM DATA

PROJECTED LENGTH	N RISE	MOUNTING HEIGHT AT POLE	NOMINAL THICKNESS	TYPE 15		TYPE 21	
				TYPE 15	TYPE 21	TYPE 15	TYPE 21
6'-0"	2'-0"	31/4"	0.1198"	31'-6"	36'-6"	37'-0"	37'-0"
8'-0"	2'-6"	31/2"	0.1198"	32'-0"	37'-0"	37'-9"	37'-9"
10'-0"	3'-5"	37/8"	0.1198"	32'-9"	37'-9"	38'-9"	38'-9"
15'-0"	4'-9"	41/4"	0.1198"	34'-3"	38'-3"	39'-3"	39'-3"

POLE DATA

POLE TYPE	HEIGHT	BASE	MIN. OD	OPG	WALL THICKNESS	BASE PLATE DATA		ANCHOR BOLT SIZE
						BC = BOLT CIRCLE	THICKNESS	
15	35'-0"	31/8"	31/8"	0.1793"	1'-0"	2"	1" A x 3'-0"	
21	35'-0"	39/16"	39/16"	0.1793"	1'-0"	2"	1 1/4" A x 3'-0"	

\* FOR BARRIER RAIL BOLTS, SEE STANDARD PLAN ES-6B.

- NOTES:
- Indicates mast arm length to be used unless otherwise noted on the plans.
  - For Type 15-21, use Type 15 standard with Type 30 slip base plate details, see Standard Plan ES-6B.
  - Handhole shall be located on the downstream side of traffic.
  - For additional notes and details, see Standard Plans ES-7M and ES-7N.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
ELECTRICAL SYSTEMS  
(LIGHTING STANDARD,  
TYPES 15 AND 21)  
NO SCALE

ES-6A

DRAWN BY:	BRL
DATE:	06/2018
SCALE:	NONE
FIELD NOTES:	

CHECKED BY:	SEC
APPROVED BY:	JRL
DRAWING NO.	E-3