STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

DATA FOR HIGH VOLTAGE CABLES ON BRIDGES

DS-M-0080 (NEW 11/2003)

1. NUMBER OF PHASE CONDUCTORS IN EACH CABLE	2. NUMBER OF CABLES IN EACH DUCT	
3. TOTAL DUCTS	4. DUCTS CARRYING HV LINES	5. DUCTS FOR FUTURE USE
6. LINE-TO-LINE VOLTAGE (KV)	7. MAXIMUM CONTINUOUS CURRENT PER CONDUCTOR (Amperes)	
8. MAXIMUM EMERGENCY CURRENT PER CONDUCTOR (Amperes)		
9. *CURRENT AVAILABLE TO SHORT CKT, GRD, FAULT AT BRIDGE (Amperes)	10. *CORRESPONDING FAULT CLEARING TIME (Seconds)	
11. CABLE SPECIFICATIONS — a. TYPE		
b. CONDUCTOR SIZE (KCMII)	c. CABLE O.D. (inches)	d. RATED TEMPERATURE (Degrees C)
12. ** DESIGN ENVIRONMENT TEMPERATURE (Degrees C)		

13. THE FOLLOWING INFORMATION MUST ALSO BE RETURNED WITH THIS FORM:

(a) Specifications for ducts (conduit and fittings).

(b) Size and location dimensions for duct array.

(c) Duct support details if duct is not cast in concrete.

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** This data is required only when the installation is on an existing bridge and the utility proposes to omit structure bonding.*

*** Temperature of environment (air in box girder cell, open air, or concrete of sidewalk) at which the cables, as installed, would reach rated temperature when carrying maximum continuous current (item 7).*