**DART PROJECT**

**VERTICAL CLEARANCES OF WIRES ABOVE DART TRACKS**

**DART DESIGN CRITERIA**

**FILE: 6.3 DART CLEARANCES, WIRES**

**NOTE:**

For voltages exceeding 22,000 volts (up to 470,000 volts), the clearances shall be increased by 0.4" for each 100 volts or above 470,000. Refer to National Electrical Safety Code.

**TOP OF RAIL**

- **DART CONTACT WIRE (750 VOLT'S DC)**
- **DART MESSENGER WIRE (750 VOLT'S DC)**

- **4'-0"**
- **6'-0"**

**16'-0" NORMAL DEDICATED RIGHT-OF-WAY**

**18'-0" MINIMUM HIGHWAY CROSSINGS**

**22'-0" MINIMUM RAILROAD CROSSINGS**

**0 TO 750 VOLTS**

**750 TO 22,000 VOLTS**

**GREATER THAN 22,000 VOLTS:** See Note (1)

**OPEN SUPPLY LINE WIRES AND SERVICE DROPS**

**COMMUNICATION WIRES:**

- **GYLS, MESSENGERS, SPAN AND LIGHTING WIRES:** Effectively grounded continuously grounded sheath cables of all voltages.