

MORENO VALLEY STANDARD NO. MVEU-732B-0
SUPPORTS FOR CONDUITS ON BRIDGES

I. CONDUIT

- A. FOR EXPOSED INSTALLATIONS-SCHEDULE 80 PVC OR STANDARD HDG STEEL.
- B. FOR ENCLOSED INSTALLATIONS-PVC, OR HDG STEEL.
- C. CONDUIT CONFIGURATION TO BE SHOWN ON WORKING DRAWING.
- D. FOLLOWING ARE THE DIMENSIONS OF THE MINIMUM OPENING IN BRIDGE ABUTMENTS FOR CONDUIT BANK ENTRANCE AND EXIT. ALL FIGURES ARE BASED ON 5-INCH PLASTIC CONDUIT, VERTICAL CONFIGURATION, AND SPACED.
 - 4 CONDUIT BANK 18" WIDE BY 18" HIGH
 - 6 CONDUIT BANK 18" WIDE BY 26" HIGH
 - 8 CONDUIT BANK 18" WIDE BY 33" HIGH
 - 10 CONDUIT BANK 18" WIDE BY 41" HIGH

II. EXPANSION JOINTS

EXPANSION JOINT SHOULD BE INSTALLED AS FOLLOWS:

- 1. HDG STEEL-AT EACH BRIDGE EXPANSION JOINT.
- 2. PLASTIC-AT 200' MAXIMUM INTERVALS OR, IF BRIDGE IS SHORTER THAN 200',ONE JOINT.
- 3. CONDUIT TO BE ANCHORED AT EACH EXPANSION JOINT BY SOLVENT WELDING COLLARS ON CONDUIT AT EACH SIDE OF HANGER SUPPORT.

III. HANGER SUPPORT

- A. 10' MAXIMUM SPACING FOR SCHEDULE 80 PLASTIC CONDUIT.
- B. SUPPORTS TO BE HOT DIPPED GALVANIZED AFTER FABRICATION. (ALL BOLTS, STUDS, NUTS, ETC., TO BE STAINLESS STEEL.
- C. SUPPORTS SHOULD BE LOOSE ENOUGH TO ALLOW CONDUIT TO EXPAND AND CONTRACT WITH TEMPERATURE CHANGES.
- D. SQUARES THAT ENCLOSE CONDUIT IN SUPPORTS SHOULD BE APPROXIMATELY 1/2" LARGER THAN THE O.D. OF THE CONDUIT.

WEIGHTS FOR MATERIALS:	BOLTS:
SCH 80 PVC	1/2" Ø = 0.7 # FT
2.8 # FT	5/8" Ø = 1.1 # FT
3.9 # FT	3/4" Ø = 1.5 # FT
5.3 # FT	
3" x 3" x 3/8 STEEL ANGLE = 7.2 # FT	
1-1/2" x 3/4" STEEL CHANNEL = 2.5 # FT	
2' x 4" WOOD = 1.6 # FT	
CONCRETE BASE = 40 #	

NOT TO SCALE

	RECOMMENDED:  DIVISION MANAGER / DATE	CITY OF MORENO VALLEY PUBLIC WORKS DEPARTMENT - ELECTRIC UTILITY DIVISION	STANDARD PLAN MVEU-732B-0
	APPROVED:  PUBLIC WORKS DIRECTOR / CITY ENGINEER / DATE		ALTERNATE SUPPORTS FOR CONDUITS ON BRIDGES