SHOWING COLUMNS

**GENERAL NOTES:**
- Provide Grade 60 reinforcing steel.
- Provide Class C (HPC) concrete if shown elsewhere in the plans.
- Provide Class C concrete (f'c = 3,600 psi).
- Provide Grade 60 reinforcing steel.

**INTERIOR BENTS**

**DECKED SLAB BEAMS**

**30’ ROADWAY 15° SKEW**

**BENT DETAILS**

**HALF ELEVATION ~ 3 COLUMN BENT**

- Top of cap elevations are based on section depths shown on Span Details.
- Quantities shown are based on an "H" value of 30'. For each linear foot variation in "H" value, make the following adjustments:
  - Bars V length ~ 1'-0"
  - Bars Z length ~ 12'-0"
  - Reinforcing Steel ~ 90 CP
  - "H" value for column ~ 25 CP
- Foundation loads based on "H" = 30'.
- When (Pile load exceeding the values shown in the tables) in areas of very soft soils or scour is anticipated, allowable "H" heights or exposed pile heights must be evaluated by the Engineer prior to the use of this standard.
- Foundation loads based on "H" = 30'.
- When (Pile load exceeding the values shown in the tables) in areas of very soft soils or scour is anticipated, allowable "H" heights or exposed pile heights must be evaluated by the Engineer prior to the use of this standard.
- Provide bearing surface clean and free of all loose material before placing bearing pads.

**HALF ELEVATION ~ 5 PILE BENT**

- Provide Grade C concrete (f'c = 3,600 psi).

**TABLE OF MAXIMUM ALLOWABLE EXPOSED PILE HEIGHTS AND PILE LOADS (TYP)**

**TABLE OF ESTIMATED QUANTITIES FOR 3-COLUMN BENT**

**TABLE OF ESTIMATED QUANTITIES FOR 5-PILE BENT**

**Figure Legend:**
- Top of cap elevations are based on section depths shown on Span Details.
- Quantities shown are based on an "H" value of 30'.
- Provide Grade 60 reinforcing steel.
- Provide Class C (HPC) concrete if shown elsewhere in the plans.
- Provide Class C concrete (f'c = 3,600 psi).
- Provide Grade 60 reinforcing steel.

**Figure 30’ ROADWAY 15° SKEW**

- Half bent details may be used with standard SDBS-30-15 only.
- Steel dimensions are clear dimensions, unless noted otherwise.
- Reinforcing bar dimensions shown are out-to-out of bar.
- See Bridge Layout for actual skew.
- See Common Foundation Details (FD) standard sheet for all foundation details and notes.
- Foundation loads based on "H" = 30'.
- See Bridge Layout for actual skew.
- For pile bents supporting unequal spans, the shorter span cannot be less than 80 percent of the longer span.
- See Bridge Layout for actual skew.
- See Common Foundation Details (FD) standard sheet for all foundation details and notes.
- This standard does not support the use of multi-pile footing as shown on standard FD.
- Dimensions are shown on the actual skew detail.
- See Bridge Layout for actual skew detail.