**Bridge Cross Sections**

TRUNKLINE, COUNTY & CITY BRIDGES

**Parapet Tube**

- Aesthetic
- Bridge railing 4 tube shown

**Concrete Barrier Shown**

- 42" min. height railing required
- 54" preferred

**VARIABLE**

- Shoulder + 2'
- Lane width x no. of lanes
- Shoulder + 2'

**Maximum Posted Speed 40 MPH**

Pedestrian facility required for curbed approaches

- 4' chain link fence with 6" concrete brush block (typ. over rivers)
- OR
- 10' curved top chain link fence (typ. over freeways)

**POSTED SPEEDS GREATER THAN 40 MPH**

Pedestrian facility required

- Concrete barrier (typ.)
- Shoulder + 2'
- Lane width x no. of lanes
- Shoulder + 2'

**ANY POSTED SPEED**

No pedestrian facility required

- For county & city bridges only
- For trunkline bridges without pedestrian facility
- See bridge design guide 6.05.01

**Notes**

- *5'-2" to toe of curb, 5'-0" to bevel point*
- **When a sidewalk width of less than 5'-0" exists for a length of 200' or more (including approaches) a passing space, 5'-0" x 5'-0" (inclusive of the sidewalk), shall be present every 200' or less or a 5'-0" sidewalk shall be used throughout.**
- ***For width refer to AASHTO "Guide for the Development of Bicycle Facilities".**
- **2'-0" min. for curb approach. For minimum approach shoulder widths see bridge design manual chapter 7 and AASHTO "A Policy on Geometric Design of Highways and Streets". 2' additional offset applies to bridges over most jurisdictional facility/roadway.**
  - Where an auxiliary lane on the structure is a continuation of a ramp, match the ramp shoulder as the lateral clearance to the bridge rail. Use 4' (total) max on left and 8' (total) max. on right.