**GENERAL NOTES:**

- Designed according to AASHTO LRFD Bridge Design Specifications.
- All items (reinforcing steel, drains, joint formers, etc.) shown on this sheet are subsidiary to other bid items.
- Designed and constructed to Texas Department of Transportation Bridge Design Specifications, Section 2020.
- Provide Grade 60 reinforcing steel.
- Cover dimensions are clear dimensions, unless noted otherwise.
- Reinforcing bar dimensions shown are out-of-bar.

**REINFORCEMENT OVER INV-T BENTS**

1. See layout for joint type.
2. Owners (I-D) spaced at 3'-0" Max. See Inv-T bents for quantity and location.
3. Space Bars Y (#4) at 12'-0" Max. Use 2" end cover. Number of Bars Y must satisfy spacing limit. Place parallel to bent.
4. Space Bars W at 12'-0" (2' from end of cap). Fill if necessary to maintain cover requirements. Place parallel to longitudinal slab reinforcement.
5. Drain entrance formed in rail or sidewalk.

**C-1-P DRAIN DETAIL**

- Note: Roughen outside of PVC with coarse rasp or equal to ensure bond with cast-in-place concrete.
- Drain entrance formed in rail or sidewalk.
- DA (#5) Spa at 6" Max. Place parallel to beams and provide 1 ½" end cover.
- DD (#4) Spa at longitudinal slab reinforcement.
- End ditch or cross-frame.

**SECTION AT SLAB ENDS**

- Showing additional required slab reinforcement when thicken slab ends, shown on standard SOTs, are not indicated on the span details.
- Chamfer overhang from top of slab to edge of beam, or all construction joints (Typ).
- Chamfer perpendicular to cross-frame (For skewed girder ends, shown on the standard SOTs).

**CHAMFER LIMITS DETAILS**

- Note: See span details for joint locations.
- ** Durant Controls joint former (Stress Lock, or equal as approved by the Engineer) **
- See Chamfer Limits Details (Stem width minus 4")
- ** Constant joint at face of stem **
- ** Controlled joint **

**DRAIN DETAILS**

- Note: All drain pipe and fittings to be 4" diameter (Sch 40) PVC. See Item 481 "Pipe for Drains" for pipe, connections and solvent welding. Bend reinforcing steel to clear PVC "V". Drain length and location are as directed by the Engineer.
- Drains are not permitted over roadways or railways, or within 10'-0" of bent caps. Drain pipe or fittings are not permitted over roadway, or railroad, or within 10'-0" of bent caps. Drainage outlets or extensions are to be added up to water back. Colder than cool with any surface tension material as used for girtier girtier detail. Variation in directions and not continuous. Insoluble materials on the structure, may be installed with the approval and direction of the Engineer. Water may not be discharged onto girders.

**REVISIONS**

- Sheet dated April 2019.
- File: CTxDOT-11-19.dgn
- AES:

**MISCELLANEOUS**

**SLAB DETAILS**

**STEEL GIRDERS AND BEAMS**

**CELL 1**

**CELL 2**

**CELL 3**

**CELL 4**

**CELL 5**

**CELL 6**

**CELL 7**

**CELL 8**

**CELL 9**

**CELL 10**