ELEVATION OF OUTSIDE GIRDERS

SECTIONS THRU GIRDERS

SECTION THRU SHEAR KEY

ADJUSTMENT IN REINFORCING STEEL QUANTITIES

GENERAL NOTES:

CONCRETE SLAB & GIRDER MISCELLANEOUS DETAILS
DRAIN DETAILS
NOTE: All drain pipes and fittings to be 4" diameter (SCH 40 PVC), bend reinforcing pipe to keep it inside. Drain lengths and locations shall be as directed by the Engineer. No drain pipes shall be permitted over railway or roadways, or within 10'-0" of bent cap, except as required by the Engineer. No drain pipes shall be permitted over railway or roadways, or within 10'-0" of bent cap, except as required by the Engineer.

FORM LOWERING HOLE TREATMENT
NOTE: Form lowering holes shall be left open for high water venting purposes. C.I.P. drain details shall be plugged with grout (Usual procedure) when the contractor elects to use the latter method, the forming system will require modification to allow for a minimum of 1" space between the Pond girders and diaphragms and bent caps where the girders and diaphragms drop below the top of the bent cap.

PRE-1962 METAL FORM OPTION
NOTE: Circa 1962 the design of Pan girders was changed to increase the thickness of the top of the arch from 3 1/2" to 4 1/2". Pre-1962 metal forms may be used to construct the superstructure by drooping them down 1" with respect to the grade line and adding a 1" filler block of wood, metal, neoprene, styrofoam, or other material approved by the Engineer. The concrete quantity required will be about the same as with the newer form dimensions. If the contractor elects to use the latter method, the forming system will require modification to allow for a minimum of 1" space between the Pond girders and diaphragms and bent caps where the girders and diaphragms drop below the top of the bent cap.

CONCRETE SLAB & GIRDER MISCELLANEOUS DETAILS

C.I.P. DRAIN DETAIL
NOTE: Roughen outside of PVC with coarse rasp or equal to ensure bond with cast-in-place concrete. No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.