**PARTIAL PLAN - SKEWED**

**REVISIONS**
- PARTIAL PLAN - SKEW
- PARTIAL PLAN - SEEPED

**BEARING PLACEMENT DETAILS**

**DESIGNER NOTES**
- Bearing plate must be completely embedded into beam with 5" minimum cover above 2" minimum cover to the side of the box beam.
- Bearing plate must clear the skew angle.
- If dimensional restrictions limit the longitudinal placement of elements shown in bearing anchorage plan above, then a special plate must be placed with expansion into slab pour only. See Section A-A.
- For additional joint system information see appropriate BD sheets.
- A plan view of the railing anchorage shall be shown for each railing at bearing level. The ends of all beams shall follow the skew. The anchor dowel shall consist of a #4 bar with bars grade 60. Anchor dowels are not necessary when using integral abutments.

**SEQUENCE OF CONSTRUCTION**

Single Stage Adjacent Box Beams or Slab Units
1. Place bearings as shown on the contract plans.
2. Place the box beams or slab units on the bearings.
3. Drill and clean dowel holes in the bridge seat.
4. Install anchor dowels.
5. File shear keys thoroughly to remove any foreign material. Install backing rods in the shear keys.
6. Close and close the shear keys with an approved key material.
7. After installation, all shear keys shall be completely filled.
8. Tension the transverse tendons to 20 kips/linear ft. and then grout the shear keys with a pre-mixed resin designed for shear keys. The shear keys shall be grouted within 24 hours after placement of closure in the last shear key.
9. Clean and pre-wet the top surfaces of the beams prior to placing concrete in neat pour. Cure the slab using appropriate approved methods.

**NOTES**
- The contractor shall be responsible for the design of the form seat and weld.
- The contractor is responsible for the complete joint system.
- For joint system, see appropriate BD sheets.

**SUGGESTED FORM SUPPORT DETAIL FOR SPREAD BEAMS**

**NOTES**
- The contractor shall be responsible for the design of the form seat and weld.

**TYPICAL SPREAD BEAM HAUNCH DETAIL**

**NOTES**
- The anchor plate must be completely embedded into the beam with 3" minimum embedment into slab pour only. See Section A-A.
- The ends of all beams shall follow the skew. The anchor dowel shall consist of a #4 bar, with bars grade 60.
- Anchor dowels are not necessary when using integral abutments.

**REINFORCEMENT**

**NOTES**
- The anchorage plate must be completely embedded into the beam with 3" minimum embedment into slab pour only. See Section A-A.
- The ends of all beams shall follow the skew. The anchor dowel shall consist of a #4 bar, with bars grade 60.
- Anchor dowels are not necessary when using integral abutments.

**REINFORCEMENT**

**NOTES**
- The anchorage plate must be completely embedded into the beam with 3" minimum embedment into slab pour only. See Section A-A.
- The ends of all beams shall follow the skew. The anchor dowel shall consist of a #4 bar, with bars grade 60.
- Anchor dowels are not necessary when using integral abutments.