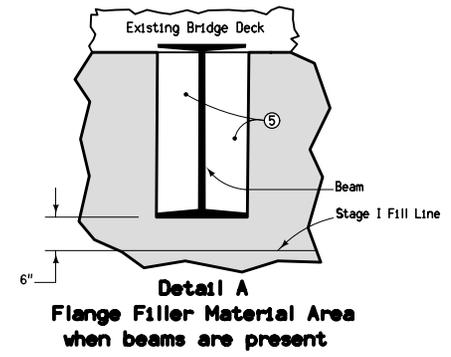
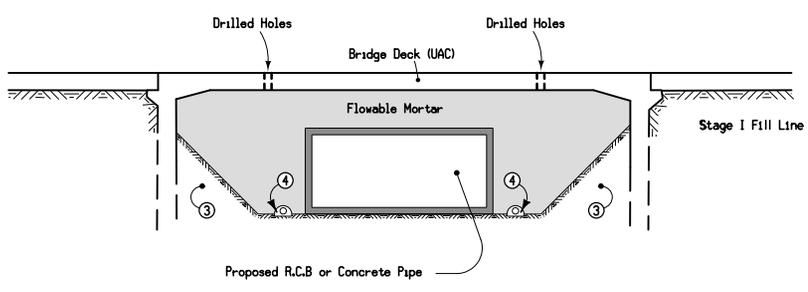


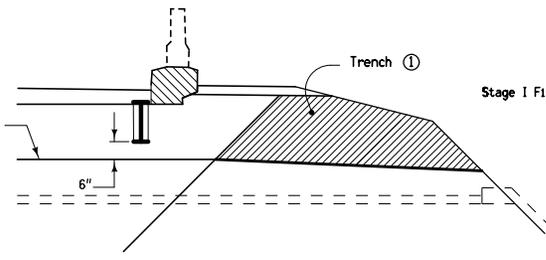
**End View**



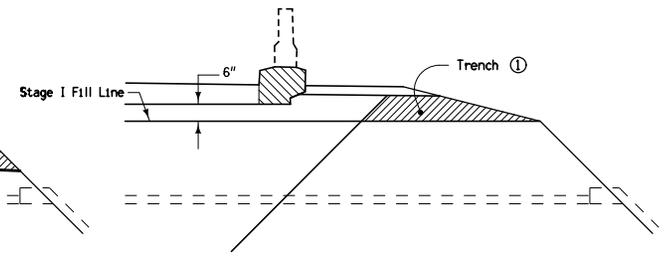
**Detail A  
Flange Filler Material Area  
when beams are present**



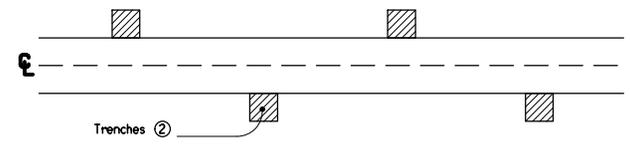
**Section at Centerline**



**Detail B (Beam Bridge)**



**Detail B (Slab Bridge)**



**Trench Layout**

- ① Cut trenches in the soil plug to provide drainage for the flowable mortar. Backfill the trenches with open graded crushed stone, gravel, or recycled PCC to allow water to drain. Backfill material is incidental to flowable mortar.
- ② Place trenches at 20' spacing with a minimum of two trenches on each side of the roadway.
- ③ Existing embankment.
- ④ 4" Subdrain with 4" cover of porous backfill at flowline elevation of culvert.
- ⑤ Place Flange Filler Material to fill pocket area between flanges to prevent flowable mortar from building up. Flange Filler Material is incidental to flowable mortar.

**FILL FOR CULVERT USED  
IN BRIDGE REPLACEMENTS  
WITH RESTRICTED HEIGHT**