

Hanson Pipe & Precast

Hanson Pipe & Precast Austin Plant has been producing concrete pipe at its current location for over 50 years. The process used to produce reinforced concrete pipe and box at the Austin Plant is called dry cast. Dry Cast uses negative to zero slump concrete mix and places it in forms using machinery. Since very little moisture is used in the dry cast mix, the mix sets up in a matter of minutes; thus allowing the form work to be stripped off and reused multiple times during the production cycle. This is totally opposite of the more familiar wet cast method, whereby the concrete mix is placed in a form and then allowed to cure over a number of days before the form may be removed.

The Austin Plant uses both packer-head and vibratory equipment to make pipe and box. Typical concrete mix design is 5000 psi and sometimes 7000 psi is not unheard of. The plant also makes bends and wyes from pipe and box and this process is demonstrated as well. Lastly, a three edge bearing test machine which measures concrete pipe strength is shown.