



## TechSpan®

is a three-pin, two-piece, funicular curve shaped precast arch. The design methodology utilizes finite element analysis and funicular curve theory, resulting in minimum use of materials, maximum arch durability, and a cost effective total solution that is simple and efficient to install.

Each TechSpan arch is carefully tailored and optimized, structurally and geometrically, to meet the individual needs of the project. The system can be designed to accommodate high fills, heavy live loads, and altering loading conditions. TechSpan arches can be installed over existing roads and waterways, live rail or other service, with minimal disruption.





- ◀ Durability of precast concrete gives long service life with low maintenance
- ◀ No maintenance of bearings or joints
- ◀ High quality control standards
- ◀ Shape minimizes bending moments
- ◀ Designed to clearance box dimensions



- ◀ Precast concrete elements shipped to site
- ◀ Uninterrupted traffic flow
- ◀ Construct with a 3-4 man crew and one crane (two cranes required first half day)
- ◀ Rapid, simple and predictable installation
- ◀ No falsework or scaffolding
- ◀ No post tensioning necessary



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