Cost Effective Precast Structures –

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Selected Precast Products Available

- Round Pipe (RCP)
- Elliptical Pipe
- Box Culvert
- Three Sided Ridged Frame
- Manhole
- Pump Station
- Curb / Drain Inlet
- Vault
- Utility Structure
- Grease Interceptor
- Retaining Wall
- Sound Wall
- Barrier Wall
- Bridge Components, etc…
Modern Pipe Manufacturing Facilities
Modern Admixtures/ Materials
Live Loads
Precast Reinforced Concrete Pipe
Precast Reinforced Concrete Pipe
Precast Reinforced Concrete Pipe
Precast Reinforced Concrete Structures
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DI-1

DI-5
Precast Reinforced Concrete Structures

DI-7
Precast Reinforced Concrete Structures

- DI-2
- DI-3, 4
Precast Reinforced Concrete Box Culverts

Maximize Hydraulic Capacity
Minimal Earth Cover Required
Competitive Alternative to Cast-in-Place
Longer Lasting Alternative vs. Metal Arch Applications
Precast Reinforced Concrete Box Culverts -
Precast Reinforced Concrete Box Culverts

Single Cell Options
Precast Reinforced Concrete Box Culverts
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Multiple Barrel Culvert
Precast Reinforced Concrete Box Culverts
Precast Reinforced Concrete Box Culverts
Precast Concrete Box Culverts with Safety Sign
Precast Reinforced Concrete Three Sided Rigid Frame

- Per AASHTO LRFD with VDOT Modifications
- ASTM C-1504
- Span * Rise – Typically in 1’ Increments
Precast Reinforced Concrete Rigid Frame

- Shipped as Installed
- Removed from Trucks Using Crane
- Placed in Keyway/Footing
- Keyway Grouted
Precast Reinforced Concrete Rigid Frame
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Precast Reinforced Concrete Rigid Frame
Precast Reinforced Concrete Rigid Frame
Precast Reinforced Concrete Bridge Systems
Precast Reinforced Concrete Bridge Systems
Precast Reinforced Concrete End Treatments
Precast Reinforced Concrete End Treatments
Precast Reinforced Concrete End Treatments
Questions?