Cost Effective Precast Structures –

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Virginia Concrete Conference
March 2012

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…

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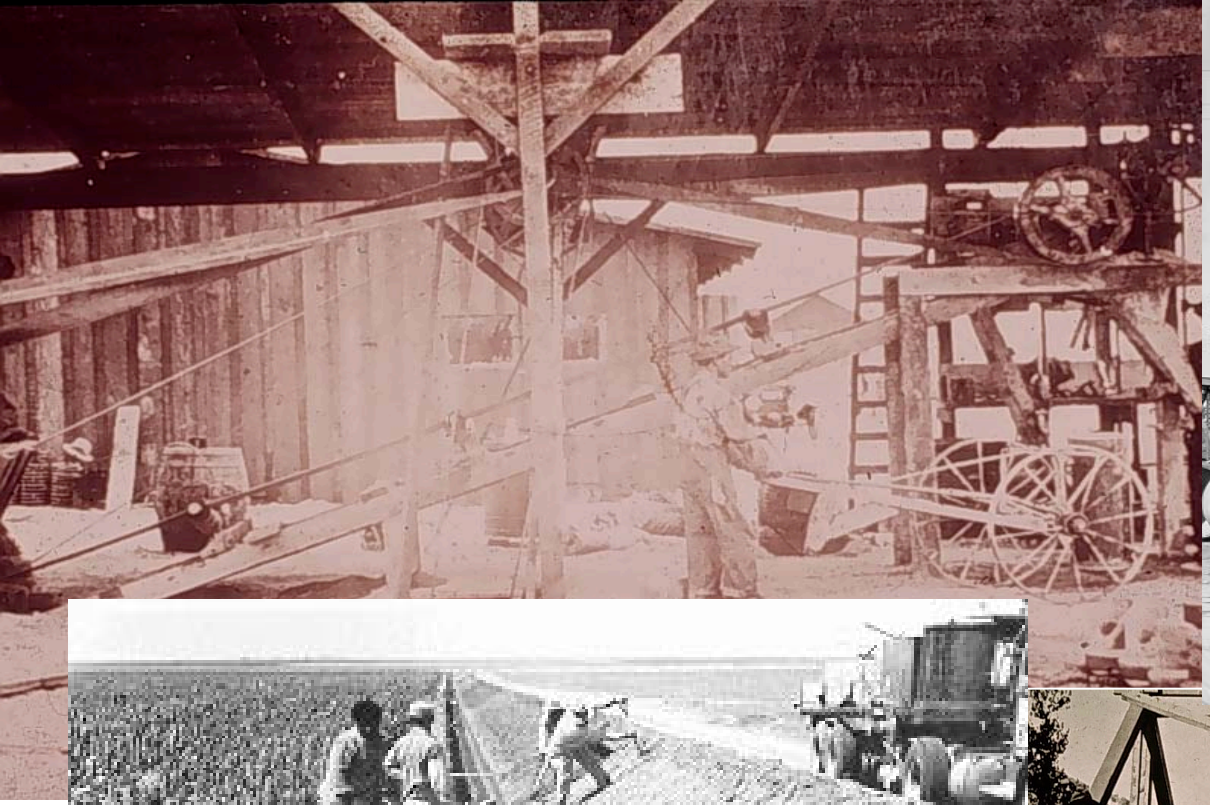

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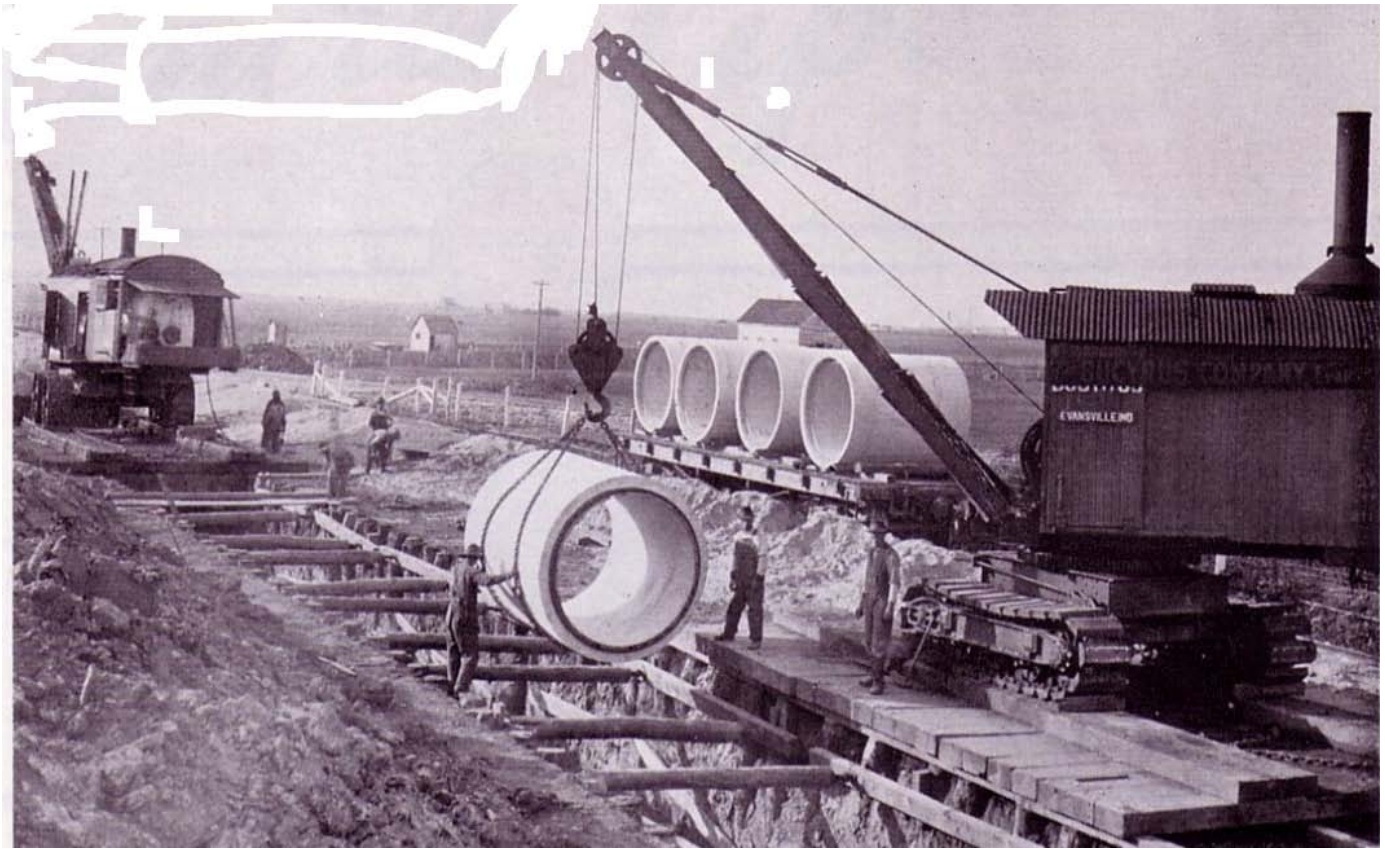

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Modern Pipe Manufacturing Facilities

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Modern Admixtures/ Materials

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Live Loads

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9311
914
9311
JP/2010 Cordele GA.
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WEST
26083

AIR FRANCE

Precast Reinforced Concrete Pipe

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Elliptical Pipe

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Precast Reinforced Concrete Structures

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- DI-1 DI-5

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- **DI-7**

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- DI-2

- DI-3, 4

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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

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Precast Reinforced Concrete Box Culverts -

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Precast Reinforced Concrete Box Culverts

Single Cell Options

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Multiple Barrel Culvert

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Precast Reinforced Concrete Box Culverts

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Precast Reinforced Concrete Box Culverts

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- **Fittings/Structures**

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Precast Concrete Box Culverts with Safety Sign

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Precast Reinforced Concrete Three Sided Rigid Frame

- Per AASHTO LRFD with VDOT Modifications
- ASTM C-1504
- Span * Rise – Typically in 1’ Increments

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Precast Reinforced Concrete Rigid Frame

- Shipped as Installed
- Removed from Trucks Using Crane
- Placed in Keyway/ Footing
- Keyway Grouted

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Precast Reinforced Concrete Rigid Frame

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Precast Reinforced Concrete Rigid Frame

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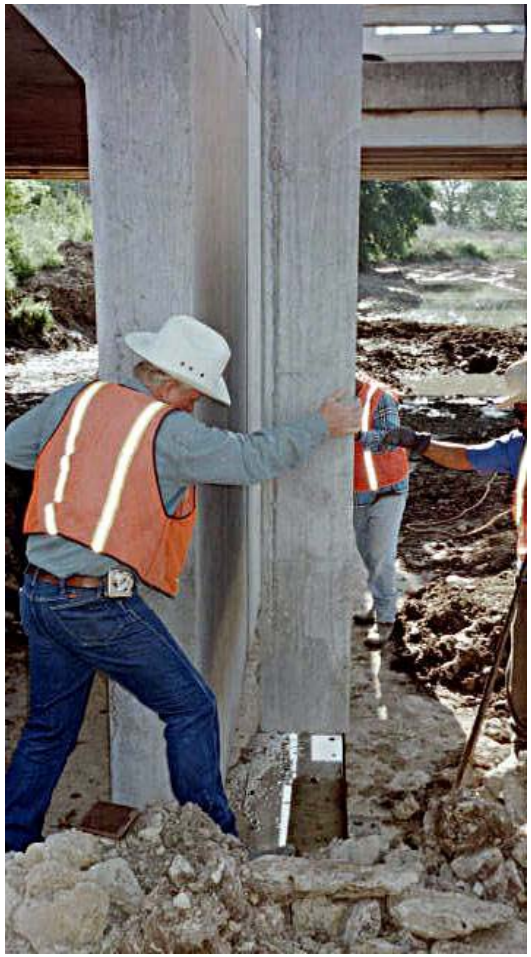

TWO

THREE

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Precast Reinforced Concrete Rigid Frame

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Precast Reinforced Concrete Bridge Systems

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Precast Reinforced Concrete End Treatments

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Precast Specialty

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Questions?

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