







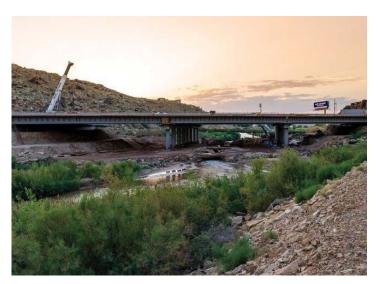
TRANSPORTATION. COMMERCIAL. RESIDENTIAL. CONTECH.

#### PRECAST/PRESTRESSED CONCRETE SOLUTIONS

#### Contech Precast/Prestressed Concrete Bridge Girders & Structures

Precast/Prestressed Concrete Structures have proven to be durable, economical and low-maintenance, providing a comprehensive material of choice for transportation, commercial and residential structures.

- Faster Installation Precast elements are manufactured off-site and installed quickly—typically in weeks, not months.
- Enhanced Safety Less on-site work means reduced exposure to hazards and a safer environment.
- Reduced Site Disruption Fewer on-site activities lead to less noise, congestion, and disruption.
- Quality Control Tight manufacturing standards ensure fewer errors and rework.
- Faster Project Completion Accelerated installation shortens project timelines and lowers costs.
- **Design Flexibility** Custom shapes, finishes, and colors support versatile design.



#### PCI Certifications: Groups, Categories

Manual for Quality Control for Plants and Production of Architectural Precast Concrete Products

MNL-116

Manual for Quality Control for Plants and Production of Precast & Prestressed Concrete Products





- AC Standard cladding architectural finish
- AB Complex textures, 3D Details
- AA Highest complexity, tight tolerances
- B1 Precast Bridge Products (no prestressed reinforced)
- B2 Prestressed Miscellaneous Bridge Products (non-superstructure)
- B3 Prestressed Straight-Strand Bridge Beams (superstructure)
- B4 Prestressed Deflected-Strand Bridge Beams (superstructure)
- C1 Precast Concrete Products (no prestressed reinforcement)
- C2 Prestressed HollowCore and Repetitively-Produced Products
- C3 Prestressed Straight-Strand Structural Members
- C4 Prestressed Deflected-Strand Structural Members

**ARCHITECTURAL** 

**BRIDGES** 

COMMERCIAL

Please contact your local Contech Representative for plant-specific certifications.

## PRECAST/PRESTRESSED CONCRETE SOLUTIONS

#### **Manufacturing Facilities**

Contech's 60-acre Salt Lake City, Utah facility includes over 100,000 square feet of quality-controlled indoor casting space. The Salt Lake City plant manufactures a variety of precast/ prestressed products for both commercial and residential customers throughout the west. In addition, the plant provides precast/prestressed bridge products for transportation projects to the Utah Department of Transportation and adjacent western states.

Contech's Caldwell, Idaho plant spans 38 acres of production space, supporting a wide range of precast concrete manufacturing capabilities. Similar to the Salt Lake City facility, it manufactures a variety of precast/prestressed products for both commercial and residential customers throughout the west. In addition, the plant provides prescast/prestressed bridge products for transportation projects to the Idaho Transportation Department and adjacent western states.



Contech's **Pelham, Alabama** plant is comprised of 43 acres with both outside and inside production facilities. It produces a variety of Prestressed as well as Precast Concrete Products, regularly supplying bridge products to both the Alabama and Georgia Departments of Transportation. Pelham also provides precast concrete products including Contech Arches and RED-E-DUCT® precast duct banks to municipalities and commercial customers throughout the Southeastern United States.

#### CAPABILITIES INCLUDE:

- Indoor Manufacturing for Quality Control
- Batch Plants
- In-House Engineering Services
- Independent Quality Control Lab
- Over 70 Years of Experience









### **TRANSPORTATION**

# Deliver Lasting Performance in Heavy-Load Transport Systems



UBT Girder



Voided Slabs



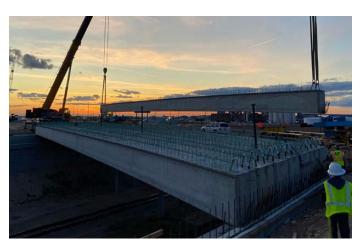
Bulb Tee



Deck Bulb Tee



**AASHTO** Girders



Box Beam

### **TRANSPORTATION**

# Enhance Infrastructure Delivery with Off-Site Prestressed Concrete







Full Depth Deck Panels

MEMBER TYPE		SPAN RANGE (FT)	HEIGHT (IN)	MEMBER TYPE		SPAN RANGE (FT)	HEIGHT (IN)
UBT Girder	I	50 - 200	34 - 98	AASHTO Girder		40 - 165	Type I - Type VI
Voided- Solid Slabs	00	20 - 80	15 - 26	Box Beam		Varies By	Project
Bulb Tee	I	40 - 140	32 - 78	Bridge Substructure	1	Varies By	Project
Deck Bulb Tee	T	40 - 140	34 - 74	Full Depth Deck Panels		Varies By	Project

#### **COMMERCIAL**

## Designing for Commercial Spaces with High Structural Efficiency



Commercial Office Buildings



Data Centers/Semiconductor Manufacturing



Institutions



Food Processing Centers



Retail & Department Stores



Parking Structures

### **COMMERCIAL**

# Accelerating Deadlines through Off-Site Prestressed Precasting







Stadiums

ME/	MBER TYPE	DIMENSIONS	APPLICATIONS
Insulated Wall Panel		8' - 12' Wide 20' - 60' Tall Variable Thicknesses	Data Centers, Retail, Office, Food Processing Centers
Solid Wall		8' - 12' Wide 20' - 60' Tall Variable Thicknesses	Data Centers, Retaill, Office, Food Processing Centers
HollowCore		8' Wide 8" & 12" Deep	Office, Residential, Hospitality
Double Tee	44	10' Wide 12", 18", 24", 28", 32", 36" Deep	Parking Structures, Office,

MEMBER TYPE		APPLICATION		
Risers		Stadiums, Arenas, Auditoriums		
Beams		Parking Structures, Office		
Column		Parking Structures, Office		
Architectural		Office, Religious Centers		

#### **RESIDENTIAL**

#### **HollowCore**



Contech Engineered Solutions' hollow core panel system offers a cost-effective way to expand your home's usable space. The precast panels are lifted into place on your garage's foundation walls, then topped with a concrete slab to lock them securely. This creates an instant, durable floor system—transforming the space beneath your garage into a home theater, gym, sports court, storage area, or whatever fits your vision for a dream home.

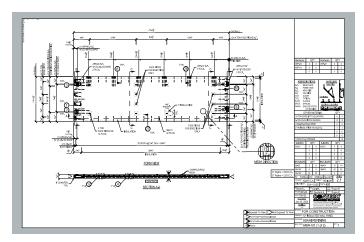






## PROCESS - DESIGN SUPPORT. PRESTRESSING INSTALL.

## **Prestressed/Precast Design Process**



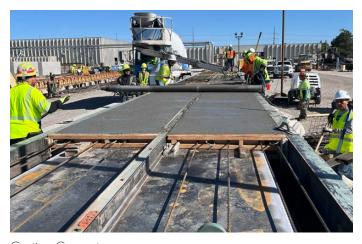
Design/Shop Drawings



Placement of Reinforcing



Embedded Items & Form Work



Casting Concrete



Applying Finishes



Erecting Precast Member

#### **MARKETS**

## Spanning the West since 1955

Contech Engineered Solutions offers a comprehensive range of architectural and structural precast/prestressed concrete products designed to serve diverse markets. Our solutions deliver proven advantages in quality, speed, cost-efficiency, durability, and design flexibility-meeting the evolving demands of today's construction industry. Backed by decades of experience and a commitment to excellence, Contech partners with owners, architects, and engineers to build long-lasting, high-performance structures.

#### **Markets**

























### PROJECT PARTNER. CONTECH.

## **Options & Support Specific to Your Project Needs**



## CONSIDERATIONS FOR **ENGINEER OF RECORD** Site Design Soil Borings Soil Bearing Recommendations Seismic / Lateral Loads Permitting Inspections

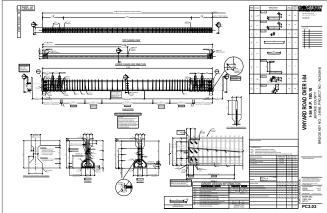
INSTALLATION SUPPORT			
Preco			
Logist			
Structure Onsite Installation Assistance			
	Contech Support Available		

Engineer of Record May

Provide

SOLUTION DEVELOPMENT & DESIGN SUPPORT			
Structure Selection		V	
Structure Siting and Layout		V	
Engineer's Estimate			
Photo Simulation		V	
Proposal Drawings		V	
Contract Drawings		V	
Specifications		V	
Approval Assistance		V	
Fabrication Drawings			

**DRAWINGS & TECHNICAL SUPPORT** 





#### FOR MORE INFORMATION, PLEASE CALL ONE OF CONTECH'S PRESTRESSED CONCRETE TEAMS:

#### **Prestressed Concrete Bridge Girders:**

Lee Wegner - UT, WY, CO, ID, NV - lee.wegner@conteches.com 801-330-3960

#### **Contech Prestressed Commercial:**

Lee Wegner - UT, WY, CO, ID, NV - lee.wegner@conteches.com 801-330-3960 Aaron Simpson - UT, Las Vegas, Eastern ID - aaron.simpson@conteches.com 801-514-4633 Jay Fiorentini - Western ID, MT, OR, WA - jason.fiorentini@conteches.com 986-266-1740

#### **Contech Prestressed Residential:**

LV Hayes - UT, NV, ID - lavina.hayes@conteches.com 385-302-0720

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