FORT MILLER PRECAST

SPAAN SPAN™

A PRECAST CONCRETE THROUGH-GIRDER BRIDGE SYSTEM

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SPAANSPAN™ A PRECAST CONCRETE THROUGH-GIRDER BRIDGE SYSTEM

LOW PROFILE STRUCTURE INCREASES UNDER - CLEARANCE

- **Post-Tensioned Edge Girders**
- **Precast Drop-in Deck Panels**
- **Post-Tensioned in Longitudinal and Transverse Directions**
- **Deck-Mounted Safety Barrier**

The low profile of the SpaanSpanTM through-girder design increases under- clearance and minimizes bridge approach work. Post-tensioned edge gird- ers support drop-in precast deck panels. The depth of superstructure is limited to the thickness of the panels.

Hook Road over The New York State Thruway, Rochester, NY. Form liner finish on edge girders matches abutments and the pier.

Safety barrier protects edge beams on the Hook Road Bridge in Rochester, NY.

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ADVANTAGES

- **Improves under-clearance**
- **Minimizes approach work**
- **Can accommodate skews**
- **Variable deck widths possible**
- **Greater internal redundancy**
- **High resistance to impact**

Safety barrier protects edge beams on the Hook Road Bridge in Rochester, NY

SpaanSpan™ bridges are jointless and post-tensioned in transverse and longitudinal directions. Combining the strong performance of post-tensioning with quality precast concrete promises low, long-term maintenance costs.

SpaanSpan™ bridges are fabricated by The Fort Miller Co., Inc. in conjunction with design services provided by Janssen & Spaans Engineering, Inc. of Indianapolis, IN.

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NO FALSE WORK REQUIRED

Post-tensioned edge girders are shipped to the job site on special hauling equipment. Girder-mounted hangers support slabs until closure pours and post-tensioning are complete.

Because there is no extensive false work, traffic is maintained under the structure during construction except for brief periods when elements are erected. Structural depth is limited to the thickness of the slabs as seen below.

Post-tensioning ducts for transverse and longitudinal post-tensioning are visible above before edge and end closure pours are completed. Transverse post-tensioning is being performed on the Hook Road Bridge in the photo below.

STEPS FOR INSTALLATION

- **Erect edge girders**
- **Drop in deck panels**
- **Cast edge and end closure pours**
- **P.T. & grout edge girders and deck panels**
- **Install barrier**
- **Overlay deck panels**

NOTES

CUSTOMER SATISFACTION - NUMBER ONE

The Fort Miller Co., Inc. was founded on the belief that customer satisfaction and product quality were paramount to success. Over the years this philosophy has proven itself many times over, elevating The Fort Miller Co, Inc. to be the #1 choice for precast concrete products for local and regional markets. We endeavor to consistently improve our product line, explore new concepts and be the leader throughout the industry.

Most significantly, we at The Fort Miller Co., Inc. know our success is based on our success. Listening, designing, providing and servicing have never been taken lightly at our company. These are not only our roots, but also the embodiment of our entire business philosophy.

If you're new to The Fort Miller Co., Inc., Welcome Aboard! We're looking forward to working with you every step of the way on any project where we may be of service. If you're an existing customer of ours, we thank you for your support and will do our best to keep YOU number ONE.

CONTACT US

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YOUR IMAGINATION IS OUR ONLY LIMITATION.