

# ENGINEERING NEWSLETTER

JANUARY 2019  
VOL. 3 ISSUE 2

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## THE ENVIRONMENTAL ROLE OF KAST SPAN

Kast Span bridge systems have little impact on existing waterways, which helps to protect the environment and preserve natural streambeds and aquatic ecosystems.

## KAST SPAN - 45 DEGREE SKEW

**PROJECT:** Iroquois Ave. over Scajaquada Creek

**LOCATION:** Lancaster, NY

**OWNER:** Town of Lancaster

**ENGINEER:** Foit Albert Associates

**PRODUCTION DESIGNATION:** KAST-SPAN 19.8' x 6'

w/ 45 degree Skew



# KAST SPAN BRIDGE-SKEWED RIGID FRAME

**PRODUCT:** Niagara Rd. over Bergholtz Creek - Kast Span 33' x 8.5' Skewed Rigid Frame Bridge System – PIN # 5762-19

**LOCATION:** Niagara Rd. over Bergholtz Creek

**OWNER:** Niagara Co., New York

**SPECIFICATION:** Per NYSDOT – Design loading : HL-93

**ENGINEER:** Mott MacDonald, 438 Main St – suite 300 Buffalo, NY 14202

**CONTRACTOR:** CATCO Contracting Inc. – Peter Healy – Project Mgr.

**PRECAST MANUFACTURER:** Kistner Concrete Product Inc. – Lockport Facility

**PRODUCT DESIGNATION:** 3 Sided Ridged Frame System



- Units installed 7-16-18 – Start at 8:30 am. - Final pc. set at 2:30 PM.
- Kistner Supplied Heavy Lift & HD Block for pick & Roll Rigging complete with Spreader beam for safe & proper handling of Frame system wide legs for vertical lift. Preventing pinching of legs during setting procedure.



## 3 SIDED FLAT TOP CULVERT SYSTEM

**PROJECT:** Lockport Rd. Bridge Replacement - 20 Span x 8'-10" Tall

**LOCATION:** Lockport Rd., Over Bull Creek, Town of Cambria & Pendleton, NY

**ENGINEER:** Bergmann Associates - Joel P. Astyk, P.E.

**CONTRACTOR:** CATCO

**PRODUCT DESIGNATION:** Kast-Span - 3 Sided Flat-Top Culvert System

What made this project a creative use of precast: 3 Sided Kast Span w/ 30 Degree Skewed ends & Keyway w/ Epoxy Rebar Couplers for CIP Approach Slabs.

Testing requirements for the project met the NYSDOT Precast Standards.

Project size Est. \$100,000.00 w/4 Precast & Wing Walls.



## KAST SPAN - 16 DEGREE SKEW



**PROJECT:** Goodrich Rd. BR. 216-3 Replacement

**LOCATION:** Clarence, NY

**OWNER:** Erie County Division of Highways

**ENGINEER:** C & S Engineers

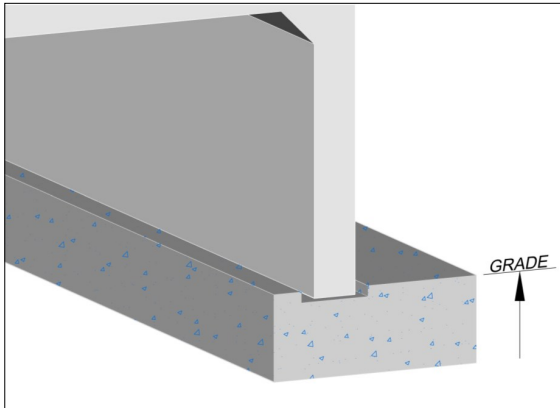
**CONTRACTOR:** CATCO

**BID DATE:** 04-10-14

**PRODUCT DESIGNATION:** Kast-Span: 37'-0" Span x 8.5 Rise w/ 16 Degree Skew to Road. (6 Sec.)

+ 4 Precast Concrete Earth Anchor Wing Walls (8 Sections)

# PRECAST SEGMENTAL FOOTER SYSTEM AVAILABLE!



## Advantages of precast Concrete Footer Systems:

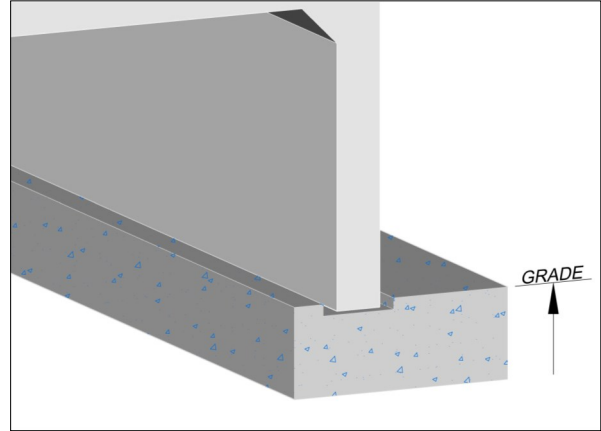
- **GiGo - Get-in, Get-out Bridge Construction**
- **ABC - Accelerated Bridge Construction**
- **Delivered Quality for our Manufacturing Facilities**
- **Set-in-place Bridge Components**

**Kistner Concrete Products Inc. manufactures a wide range of precast concrete bridge products. The products include, but are not limited to; precast deck panels, precast concrete abutments, precast concrete approach slabs, retaining walls, precast concrete footings, precast concrete bridge deck sections, etc.**

**The benefits of using precast concrete elements in bridge construction, are reduced installation time, and the quality of the product that is manufactured in the controlled conditions of our facilities. Accelerated Bridge Construction (ABC) is quickly becoming the only way that the NYSDOT can reduce the backlog of structures that need rehabilitation or replacement.**



# Contact Kistner with any and all of your precast concrete bridge element needs!



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