



KISTNER CONCRETE PRODUCTS, INC.® SUPERIOR PRECAST PRODUCTS THROUGH ENGINEERING

MAIN SALES OFFICE: P.O. BOX 250, 8713 READ ROAD, EAST PEMBROKE, NEW YORK 14056
716/894-2267 BUFFALO LINE 716/762-8216 EAST PEMBROKE LINE 716/762-8315 FAX LINE

PRECAST ARCH BRIDGE - "KAST-ARCH"

CLASSIC AND ECONOMICAL

THE CONCEPT The Precast Concrete Arch Bridge, consisting of precast arches, spandrel walls, and wing walls, is set on poured in place footings, and then covered with soil and concrete.

The designed precast concrete elements create a highly efficient, cost effective, low maintenance, ie. life cycle cost, bridge and culvert crossing system. Truly a viable alternative to expensive steel and poured-in-place concrete bridge and culvert crossings.





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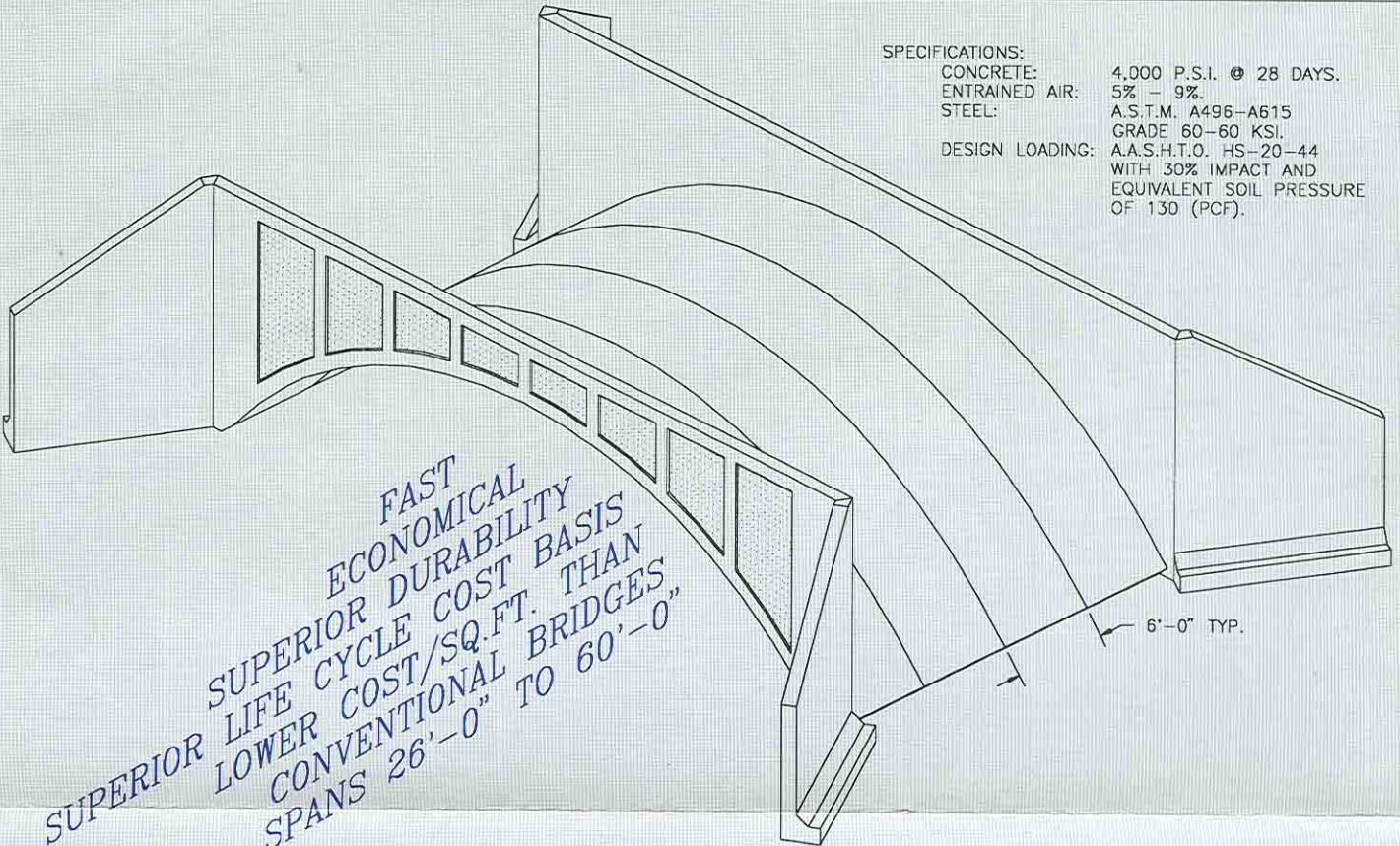
PRODUCT DESIGNATION

KAST-ARCH BRIDGE SYSTEM

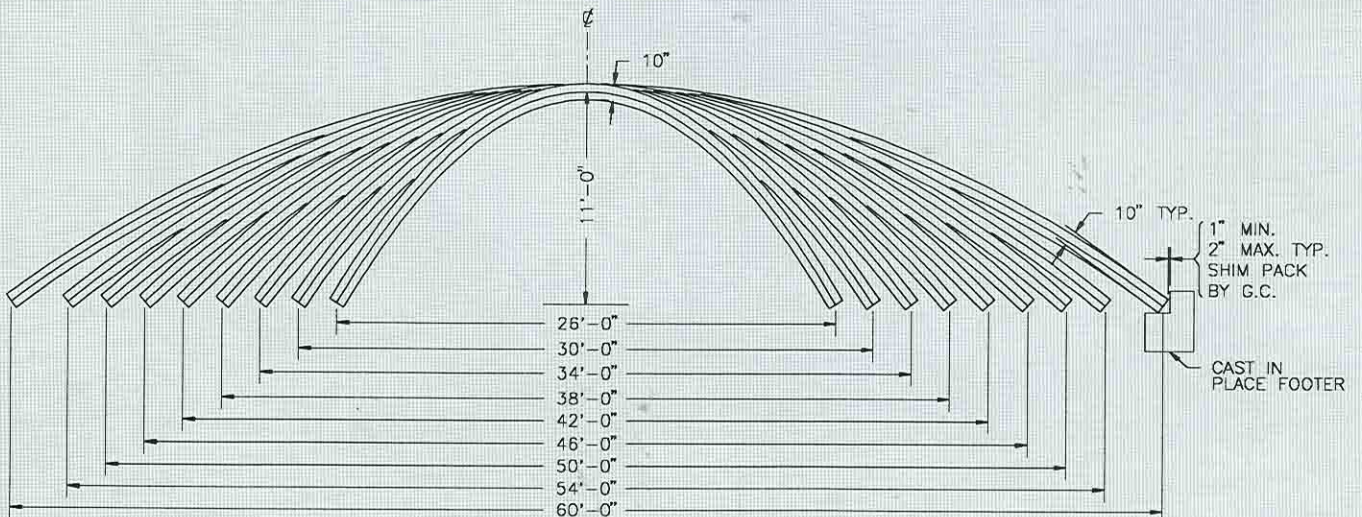
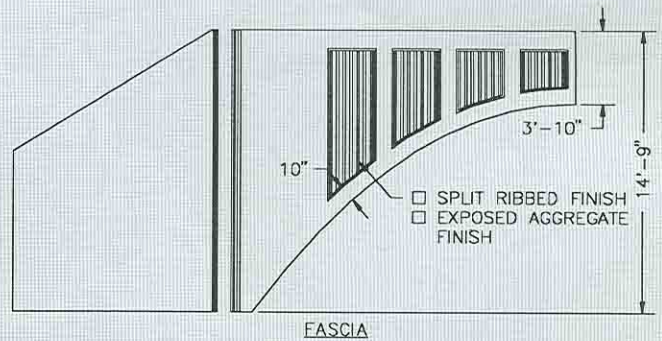
DWG. NO.

SHOW-ARCHSYS

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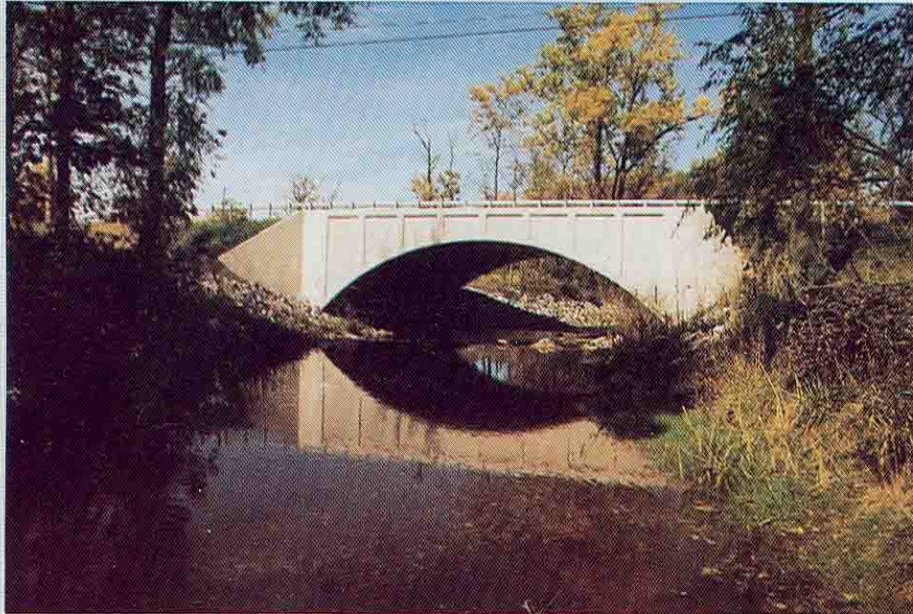
ARCH SPAN (ft.)	WATER DEPTH / AVERAGE WATERWAY AREA (ft.)	
26	2/46	4/88 6/123 8/155 10/176
30	2/54	4/103 6/145 8/180 10/204
34	2/61	4/117 6/165 8/205 10/233
38	2/69	4/131 6/186 8/230 10/262
42	2/76	4/146 6/206 8/256 10/291
46	2/84	4/161 6/226 8/281 10/319
50	2/92	4/175 6/247 8/307 10/348
54	2/98	4/188 6/266 8/330 10/375
60	2/104	4/203 6/287 8/330 10/402





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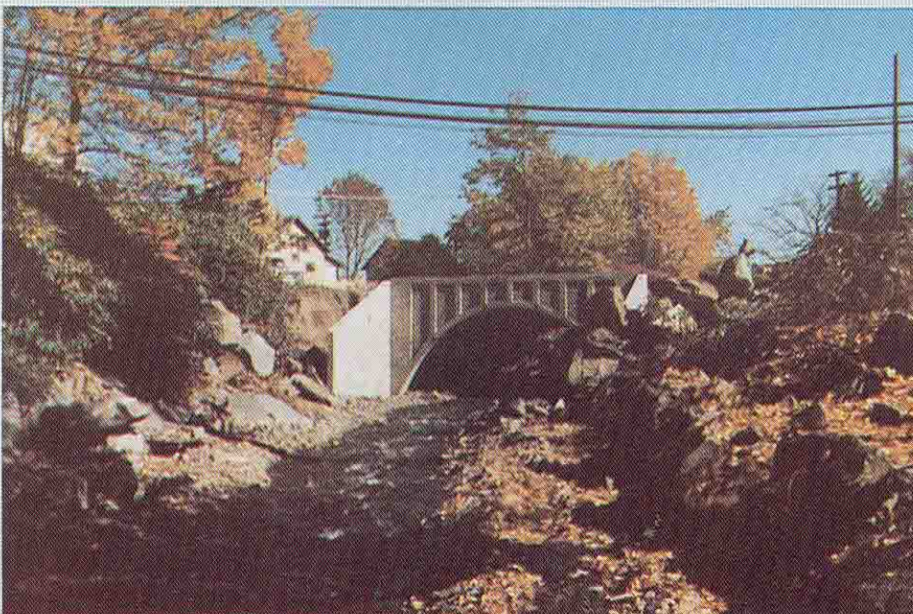


FAST AND EASY TO ERECT After the footings are cast in place, a four lane bridge can be erected in as little as one day's time, utilizing existing mobile crane equipment. When compared with conventional bridge and culvert techniques, the arch bridge system can save up to 30% in time and expenses.

LONG TERM SAVINGS/POSITIVE LIFE CYCLE COSTS Savings continue even after the arches are in place and have been covered with soil and roadbed. Maintenance costs are almost eliminated. Precast arches are protected from the corrosion of road salts by the overfill.

In addition, the overfill also serves to insulate the road from potentially hazardous frost glazing because of road continuity and uninhibited snow removal.

ATTRACTIVE AND ENVIRONMENTALLY COMPATIBLE The grace and beauty of the arch and the ability to architecturally treat the spandrel walls' surface make precast arch structures both compatible and beautifying to the surrounding environment. Because precast arch stream crossings can be built with a minimum of stream bed disturbance, they minimize environmental impact on waterfowl, fish and other wildlife.



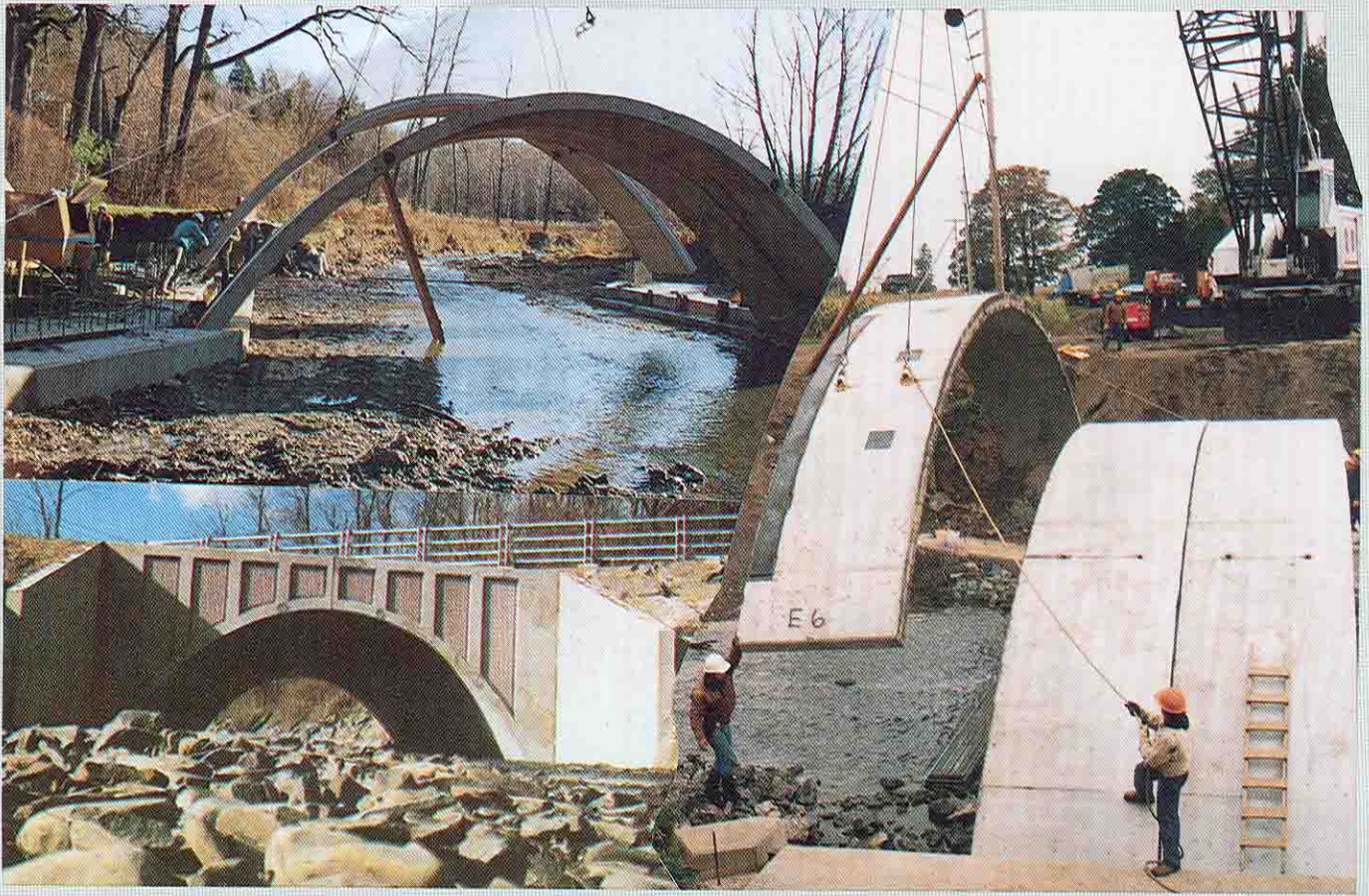
ARCH BRIDGES EXPENSIVE? NOT!

AVERAGE OF 5 PREVIOUS PROJECTS

MATERIAL TO SITE \$ 59.00* PER SQ. FT.
(*TWO JOBS INCLUDED INSTALLATION)

WHEN EVALUATED WITH LIFE CYCLE COSTS,

20% - 30% MORE ECONOMICAL!



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Bulk Rate
US Postage
PAID
East Pembroke, NY
Permit No. 6



SUPERIOR PRECAST PRODUCTS THROUGH ENGINEERING

SHOW-KAMAILER