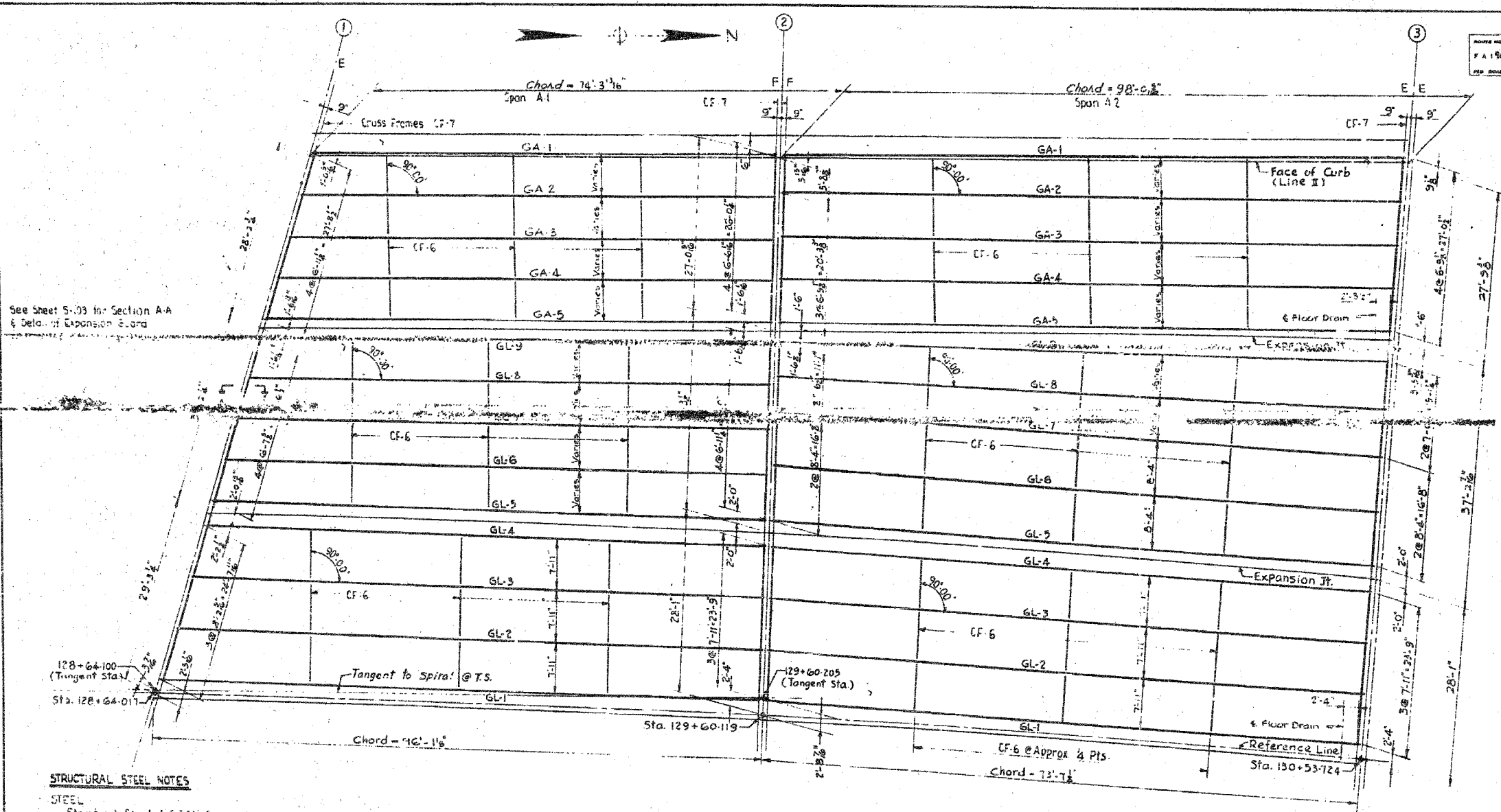


F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-0291	COOK	344	310
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62581				

ADDITIONAL SHEETS	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 94/90	COOK	152	06



See Sheet S-03 for Section A-A & Det. of Expansion Guard

**STRUCTURAL STEEL NOTES**

**STEEL**  
Structural Steel A 57M, Designation A 373 shall be used throughout except as noted below.

A 57M, Designation A 7 Steel to be used for cross frames, expansion plates, anchor bolts, field splice plates, expansion guards, channel shear connectors & floor drain brackets.

**FIELD CONNECTIONS**  
Cross Frames - 3/4 High Strength Bolts A 57M, A 325  
Girder Splices - 1/4 High Strength Bolts A 57M, A 325  
Expansion Guard Brackets - 3/4 R Bolts  
Floor Drain Brackets - 3/4 High Strength Bolts. See Sheet S

**SPICES (Continuous Girders)**  
Field splices may be vertical or normal to the girders at the option of the fabricator. Holes for field splices shall bereamed with the girders assembled in position, in accordance with the blocking diagrams.  
Shop web splices shall be made vertical.

**PLAN - SPANS 1 & 2 - LEFT**

(Continued)

**FLANGE PLATE WELDS**  
Weld flanges to web with continuous fillet weld each side of web.  
Size of weld Flange Thickness  
3/8 up to & including 3/4  
3/8 up to & including 1 1/4  
3/8 up to & including 1 3/4  
1/2 greater than 2 1/4

**PAINTING**  
The Contractor for Section 5-2424.3-1HF shall furnish & apply one shop coat of red lead paint & two field coats of paint to all structural steel, except as noted below.  
The tops of girder top flanges will not be painted except for a distance of five feet each way from piers.

**EXPANSION GUARDS**  
See Structure Plan & Elevation Drawings for locations of expansion guards.  
See Expansion Guard Drawings for dimensions & details.

(Continued)

**ROCKERS**  
See Rocker Drawings & Schedule for dimensions & details.

**SIMPLE SPAN GIRDERS**  
See Simple span Girder Details & Simple Span Girder Schedules for girder dimensions, shear connector spacings, web stiffener spacings, plate sizes, angles with piers, and lengths.

**CONTINUOUS GIRDERS**  
See Continuous Girder Details for dimensions, shear connectors, web stiffeners, plate sizes & lengths.

**CROSS FRAMES**  
Intermediate Cross Frames to be located at approximate 1/4 etc points as shown on plans. Maximum spacing to be 25'-0"

CITY OF CHICAGO  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF ENGINEERING  
SOUTH ROUTE SUPERHIGHWAY  
SECTION NO. 5-2424.3-1H  
SECTION NO. 5-2424.3-1HF  
CHICAGO RIVER TO W. CERMAK RD.  
**FRAMING PLAN**  
CONSOER, TOWNSEND & ASSOCIATES  
CONSULTING ENGINEERS  
CHICAGO, ILLINOIS  
DESIGNED BY R.L.F. CHECKED BY H.S.M.  
DRAWN BY IN CHARGE OF DATE: SEP 1961  
SCALE: 1/8" = 1'-0" SHEET NO. S-76 OF 152

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
SB DAN RYAN ELEVATED BRIDGE  
REPAIR FROM 15TH TO 28TH STREETS  
EXISTING PLAN INFORMATION  
SN 016-1113  
SCALE: NTS DRAWN BY: MTR  
DATE: 5/25/2006 CHECKED BY: BLU

5/23/2006 4:32:35 PM