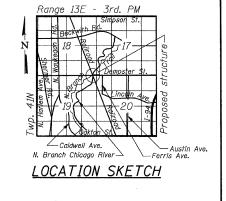
STATE OF ILLINOIS Existing Structure: DEPARTMENT OF TRANSPORTATION The existing structure is a single span Precast Girder Bridge with a 7 inch reinforced concrete deck. The original structure was built 1966 and reconstructed in 1981. 71-0" Face to Face Abutments Staged construction shall be utilized to maintain traffic during construction. No salvage. Classification Line El. 606.2 -Creosated Piles -Stream Bed El. 605.2 El. 603.2 Creosated Piles —ЕІ 601**.**25 El. 600.9 -Creosated Piles --Creosated Piles ELEVATION 47'-6" Bridge Approach Slab Replace Elastomeric Remove existing Expansion Joint Bearings at West and replace with Preformed Joint Strip Seal Abutment, 16 total (Typ. Ea. Abut.) $\langle \Box$ -Staged Construction Line Back of W Abutment - $\langle \Box$ -Ç IL 58 (Dempster St) —Back of E Abutment 90°00′00" Bridge — $\qquad \qquad \Box >$ -Staged Construction Line ₽ Brg. W Abut. - € Brg. E Abut. 74'-0" Back to Back Abutments Bridge Approach Slab PLAN



SCOPE OF WORK

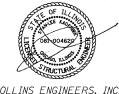
- 1. Bridge deck hydro-scarification, 3 inch
- 2. Reconstruction of all transverse expansion joints
- 3. Latex concrete overlay, 3 inch
- 4. Patch and Overlay approaches
- 5. Clean and reseal pavement relief joints
- 6. Replace Elastomeric Bearings at West Abutment
- 7. Clean Deck Drains
- 8. Structural Repairs of Concrete to parapets and curbs.

DESIGN SPECIFICATION

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

DESIGN STRESSES

 $f'c = 3,500 \ psi$ $fy = 60,000 \ psi$



COLLINS ENGINEERS, INC. STAN-LEE KADERBEK NO. 081-004620 EXPIRES 11-30-2010 GENERAL PLAN AND ELEVATION

DEMPSTER ST AT

NORTH BRANCH CHICAGO RIVER

COOK COUNTY

STRUCTURE NO. 016-0942

SHEET NO.S1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OF	377	2009-117I	COOK	15	5 .
S9 SHEETS			CONTRACT	NO. 60	J50
	ILLINOIS FED. AID PROJECT				

DESIGNED A. Seiber
CHECKED J. Hamelka

2010

ENGINEER OF STRUCTURAL SERVICES

NGINEER OF BRIDGES AND STRUCTURES

EXAMINED

PASSED

DRAWN A. Seiber

CHECKED J. Hamelka