ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
FAI 90/94	*	COOK	344	253	8 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-			

* 2003-029 I
Contract #62581

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER NO. 26 LOCATION
(SN 016-1116)
(SN 016-1117)
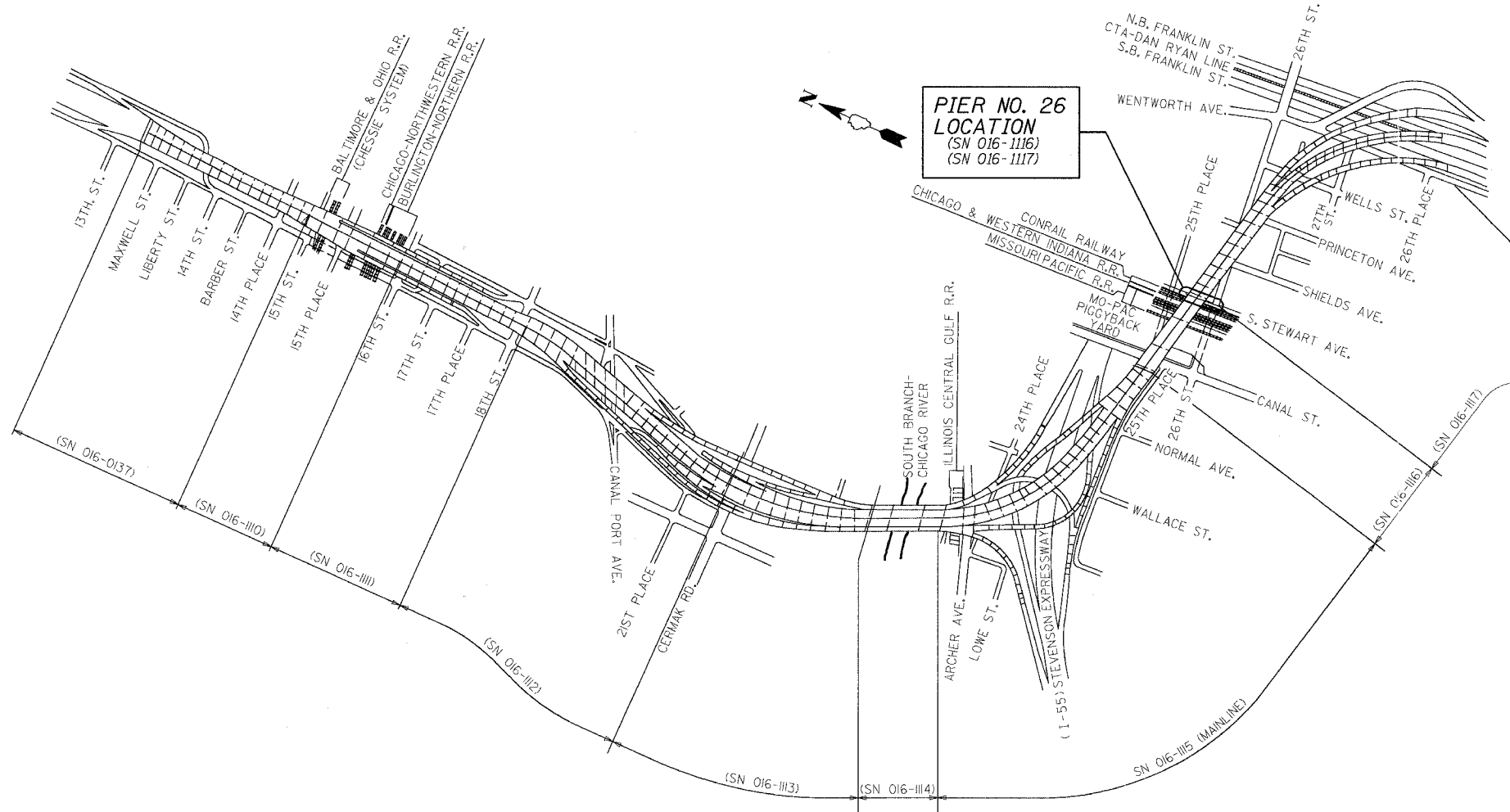
KEY PLAN
DAN RYAN EXPRESSWAY (I-90/I-94) VIADUCT
COOK COUNTY, ILLINOIS

GENERAL NOTES

Fasteners shall be high strength bolts. Bolts $^3/_4$" ϕ, open holes $^{13}/_{16}$" ϕ, unless otherwise noted.

Finger Plate Expansion Joints shall be assembled in the proper position with the ends in place and shall be left assembled for shop inspection.

The finger plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.

Field welding of construction accessories will not be permitted to beams or girders.

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

Prior to pouring the new concrete deck, all loose rust, loose mill scale, and other loose potentially detrimental foreign material shall be removed from the surfaces of the beams or girders in contact with concrete. The cost of this work will be included in the pay item covering removal of the existing concrete. All heavy rust and other tightly adhered potentially detrimental foreign matter shall also be removed from the surfaces of the beams or girders in contact with concrete. Tightly adhered paint may remain unless otherwise noted. This removal shall be accomplished by methods that will not damage the steel. The cost of this work will be paid for according to Article 109.04.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

All Construction joints shall be bonded.

Tapered shims shall be added under the stools as required by the Engineer to make a smooth finger joint. Cost included in "Furnishing and Erecting Structural Steel".

Joint openings shall be adjusted according to Article 503.10(c) of the standard specifications when the deck is poured at an ambient temperature other than 50°F.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

All new structural steel shall be shop painted with an inorganic zinc rich primer per AASHTO M 300, Type I. Cost included with "Furnishing and Erecting Structural Steel".

Traffic to be maintained during construction, see Roadway Plans for Stage Construction Details.

Field measurements are required to verify the proper dimensions of the finger plates and stools. See special provision "Field Measurements".

Existing design and fabrication plans are available upon request.

All structural steel shall be AASHTO M270 Grade 50 unless noted otherwise. Calculated weight of structural steel = 34,050 lbs.

DESIGN STRESSES

f'c = 3500 psi
fy = 60,000 psi (Reinf)
fy = 50,000 psi (M270 Grade 50)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu Yd	14.6
Concrete Superstructure	Cu Yd	17.5
Furnishing and Erecting Structural Steel	L.S.	0.14
Reinforcement Bars, Epoxy Coated	Pound	2,490
Fabric Reinforced Elastomeric Trough	Foot	68
Mechanical Splice	Each	126
Bar Splicers	Each	24
Field Measurements	L. Sum	0.14
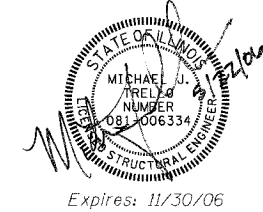
Expires: 11/30/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
KEY PLAN
F.A.I. ROUTE 90/94 SOUTHBOUND (DAN RYAN EXPRESSWAY) OVER 28th ST. TO S. STEWART ST.
COOK COUNTY
S.N. 016-1117 - PIER 26

REVISIONS	
NAME	DATE

SCALE: VERT. HORIZ.
DATE: 4/7/05

DRAWN BY: HEBERLING
DESIGNED BY: SANFORD
CHECKED BY: MATHUR

GREENE & BRADFORD, INC. OF SPRINGFIELD

COMPUTER FILE NO.
04286-W03-SB-KEY

PROJECT 04286-W03
5/22/06-MML