

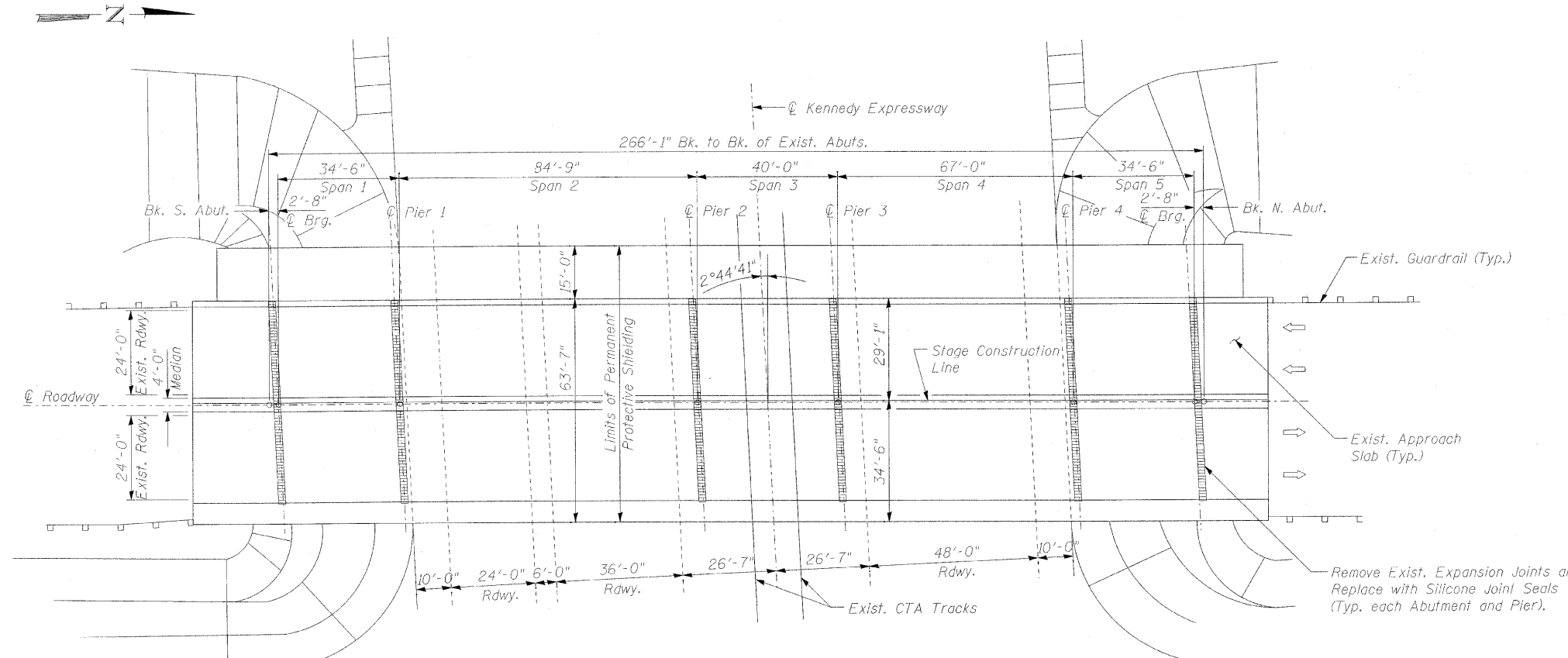
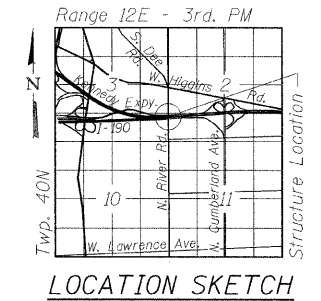
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Existing Structure:

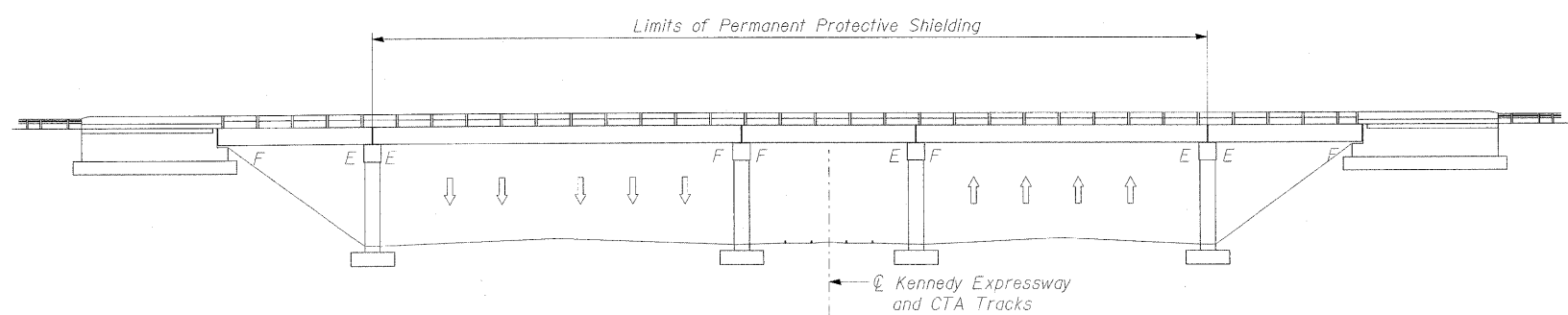
The existing structure is a five span prestressed concrete beam bridge with a 7.5 inch reinforced concrete deck with no overlay. The original structure was built in 1958 as Section 267-1617-15D. In 1981 the structure was widened and deck repairs were performed.

Staged construction shall be utilized to maintain traffic during construction.

No salvage.



PLAN



ELEVATION

DESIGN SPECIFICATIONS

AASHTO Standard Specifications for Highway Bridges, 17th Edition

DESIGN STRESSES

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi

SCOPE OF WORK

1. Repair bridge deck.
2. Reconstruct deck joints at each abutment and pier with silicone seals and polymer concrete.
3. Permanent protective shielding.

NOTES:

1. Permanent Protective Shield shall be installed according to the details contained herein and according to the Special Provisions. For limits of Protective Shield see General Plan and Elevation sheet.
2. Contractor is advised that a portion of the Permanent Protective Shielding is to be installed over tracks operated by the Chicago Transit Authority (CTA).
3. The Contractor shall be responsible for coordinating the installation of the Permanent Protective Shield with the CTA. All cost for coordination shall be included in the pay item for "Permanent Protective Shield."



COLLINS ENGINEERS, INC.
JAMES M. HAMELKA
NO. 81-6116
EXPIRES 11-30-2010

GENERAL PLAN AND ELEVATION
F.A.U. ROUTE 2729 SEC. 1617-I-1
EAST RIVER ROAD AT
I-90 KENNEDY EXPRESSWAY
COOK COUNTY
STATION 73+75.00
STRUCTURE NO. 016-2124

DESIGNED	JWK
CHECKED	JMH
DRAWN	DR
CHECKED	JWK

EXAMINED	January, 2010
PASSED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO. S1 OF S6 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2729	1617-I-1	COOK	13	5
CONTRACT NO. 60J69					
ILLINOIS FED. AID PROJECT					