

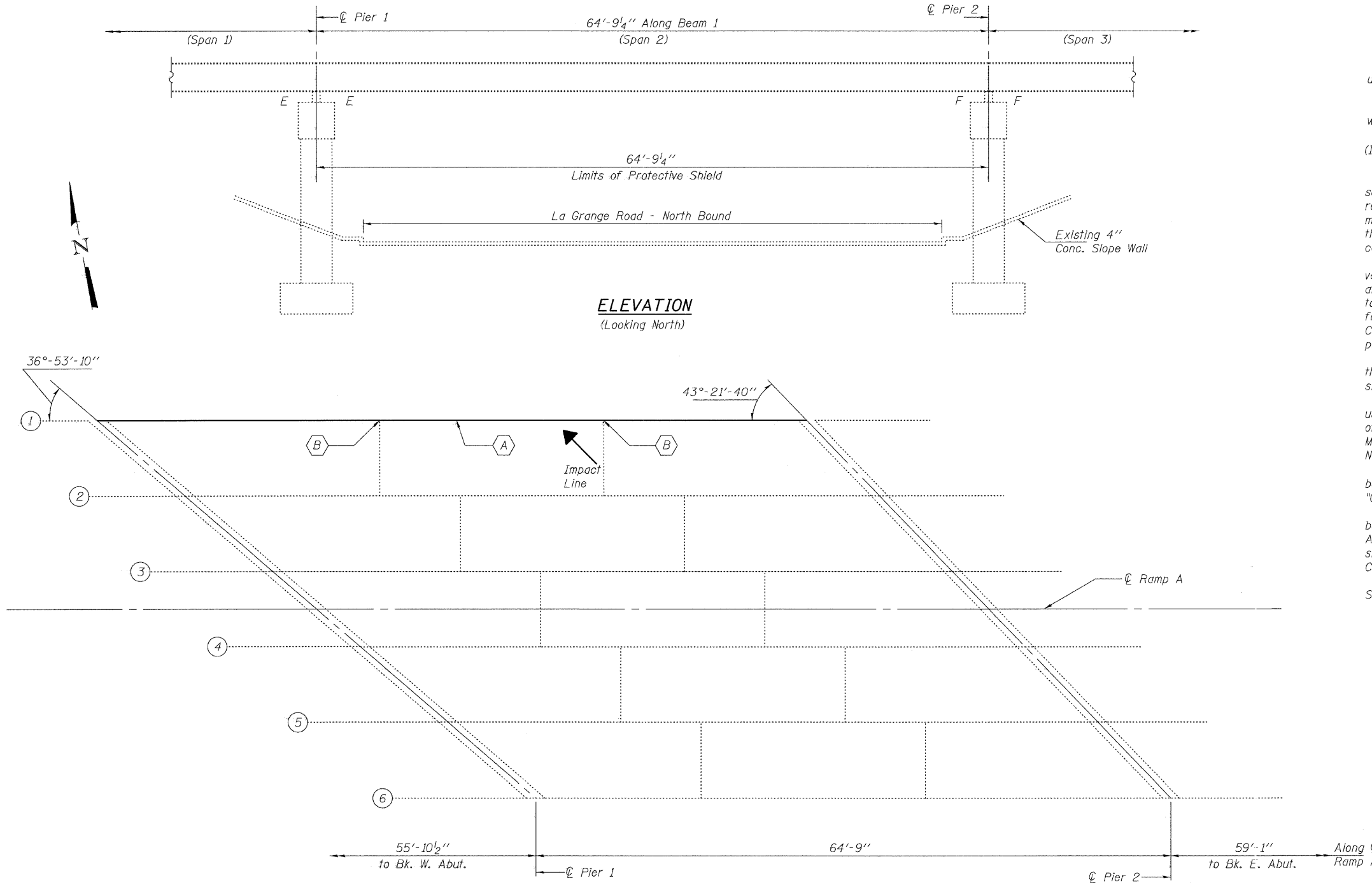
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1 6 SHEETS
FAP 330		COOK	14	7	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract Number:

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
Fasteners shall be high strength bolts.
Diaphragm connection holes shall be $\frac{15}{16}$ " ϕ for $\frac{3}{4}$ " ϕ bolts. Two hardened washers shall be required at diaphragm connections.
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.
Reinforcement bars designated (E) shall be epoxy coated.
Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Furnishing and Erecting Structural Steel.
The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat shall be Reddish Brown, Munsell No. 2.5G 4/8. See Special Provision "Cleaning and Painting New Metal Structures".
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".
Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
No field welding permitted except as specified in the contract documents.



ELEVATION
(Looking North)

PARTIAL FRAMING PLAN

- (A) - Remove and Replace Beam
- (B) - Top & Bottom Clip Angles to be replaced.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	22.8
Concrete Superstructures	Cu. Yd.	22.8
Furnishing and Erecting Structural Steel	Pound	11,050
Reinforcement Bars, Epoxy Coated	Pound	3050
Stud Shear Connectors	Each	76
Removing and Re-erecting Existing Railing	Foot	67
Mechanical Splice	Each	226
Structural Steel Removal	Pound	11,050
Protective Shield	Sq. Ft.	432
Protective Coat	Sq. Yd.	63.3

DESIGNED	<i>[Signature]</i>
CHECKED	<i>Vicki H. Voliz</i>
DRAWN	<i>Steffen</i>
CHECKED	<i>AJB VHV</i>

JANUARY 28, 2008
EXAMINED *[Signature]*
ENGINEER OF STRUCTURAL SERVICES
PASSED *[Signature]*
ENGINEER OF BRIDGES AND STRUCTURES



EXPIRES 11-30-2008

PLAN AND ELEVATION
FAP 330 (E.B. 79th St.)
COOK COUNTY
SN 016-0518