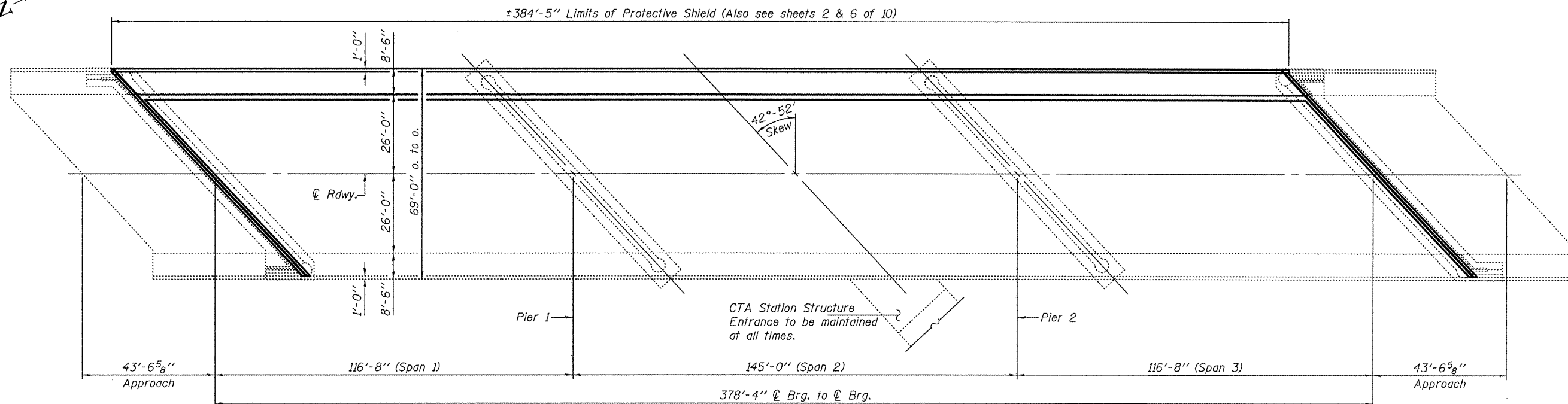


**ELEVATION**



**PLAN**

**DESIGN SPECIFICATIONS**

2002 AASHTO

**DESIGN STRESSES**

**FIELD UNITS**

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
 $f_y = 36,000$  psi (AASHTO M-270)

**LOADING HS20-44**

**GENERAL NOTES**

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Reinforcement bars designated (E) shall be epoxy coated. Prior to pouring the new concrete deck, all heavy or loose rust, loose 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.

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

Plan dimensions and details relative to existing plans are subject to nominal construction 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 at the unit price bid for the work.

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.

Removal of existing pedestrian fence which is located on top of the west parapet shall be included in the pay item Concrete Removal.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	145
Concrete Superstructure	Cu. Yd.	162
Preformed Joint Strip Seal	Foot	188
Reinforcement Bars, Epoxy Coated	Pound	36,750
Bar Splicers	Each	24
Bridge Fence Railing	Foot	379
Deck Slab Repair (Partial)	Sq. Yd.	1.8
Structural Repair of Concrete ≤ 5 inches	Sq. Ft.	47
Protective Shield	Sq. Yd.	530
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	7.4
Manhole, Special Frames and Lids, Special	Each	2
Conduit Support System	L.S.	1



Expires: November 30, 2012

DESIGNED - <i>[Signature]</i>	EXAMINED - <i>[Signature]</i>	DATE - MAY 9, 2012
CHECKED - <i>[Signature]</i>	PASSED - <i>[Signature]</i>	
DRAWN - Kyle M. Steffen		
CHECKED - <i>[Signature]</i>		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION  
OGDEN AVENUE OVER F.A.I. ROUTE 290  
SN 016-0235

SHEET NO. 1 OF 10 SHEETS

F.A.I. RTE. 290	SECTION 3-B-10BR(11)	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 10
CONTRACT NO. 60T39				
ILLINOIS FED. AID PROJECT				