INDEX OF SHEETS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd	195.4		195.4
Concrete Superstructure	Cu Yd	208.0		208.0
* Concrete Sealer	Sq Yd	1186		1186
Furnishing and Erecting Structural Steel	Pound	20810		20810
Reinforcement Bars, Epoxy Coated	Pound	58050		58050
Preformed Joint Strip Seal	Foot	477		477
Polymerized Hot-Mix Asphalt Surface Course, Mix "E", N90	Tons	949		949
Bar Splicers	Each	112		112
Waterproofing Membrane System	Sq Yd	8452		8452
Protective Shield	Sq Yd	6830		6830
Stone Riprap, Class A3	Sq Yd		95	95
Filter Fabric	Sq Yd		95	95
Structural Steel Removal	Pound	2980		2980
Deck Slab Repair (Partial)	Sq Yd	8.1		8.1
Deck Slab Repair (Full Depth Type I)	Sq Yd	0.5		0.5
Deck Slab Repair (Full Depth Type II)	Sq Yd	177.3		177.3
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq Ft		64.0	64.0

* Concrete Sealer shall be applied to the top and inside vertical faces of the parapets and to both faces and top of Median barriers.

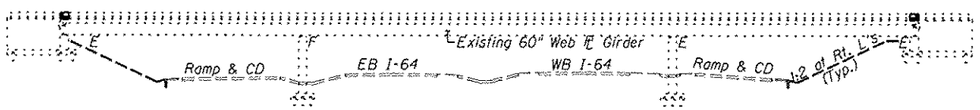
PROPOSED IMPROVEMENTS

1. Replace expansion joints at the abutments.
2. Elimination of existing longitudinal joints in deck of each structure
3. Partial and full depth deck repair each structure.
4. Install HMA overlay and waterproofing membrane on deck of each structure.
5. Replace existing end cross frames designated CF6 between girder lines 7 and 8 SB structure and girder lines 21 and 22 NB structure.
6. Install cross frames entire length of structures between girder lines 7 and 8 SB structure and girder lines 21 and 22 NB structure.
7. Seal existing parapets and concrete median.
8. Place riprap at south abutments adjacent to existing concrete slope walls.
9. Structural concrete repair at corners of each abutment.

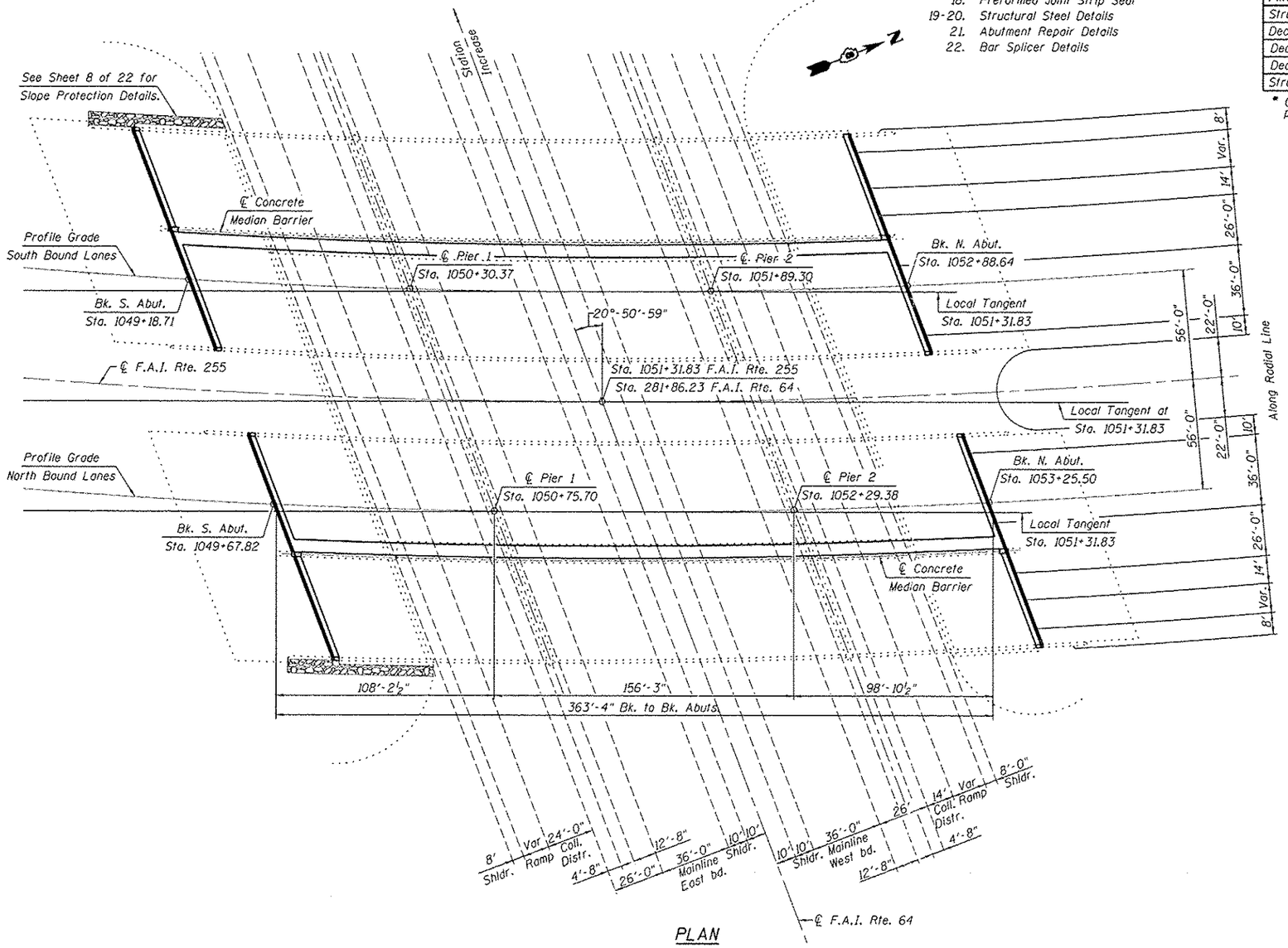
Note:
See Sheet 2 of 22 for Limits of Protective Shield.

DESIGN STRESSES

FIELD UNITS (NEW CONSTRUCTION)
f'c = 3,500 psi
fy = 60,000 psi (reinforcement)
fy = 36,000 psi (M 270 Grade 36)



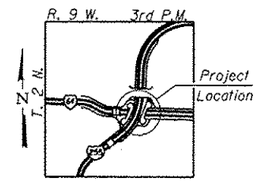
ELEVATION



PLAN

GERALD B. ROTHERHAM
081-005673
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

Gerald B. Rotherham
Expires 11/30/2014
Date: 2/20/2013



LOCATION SKETCH

GENERAL PLAN & ELEVATION
I-255 OVER I-64
F.A.I. ROUTE 255-SEC. 82-2HB-2-1
ST. CLAIR COUNTY
STA. 1051+31.83
S.N. 082-0241 (NB) & S.N. 082-0242 (SB)

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL.
62703 Phone: (217)544-8033 IL. Design Firm
No. 184-001907

GENERAL PLAN & ELEVATION

SHEET NO. 1 OF 22 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-2HB-2-1	ST. CLAIR	54	33

CONTRACT NO. 76B21

ILLINOIS FED. AID PROJECT