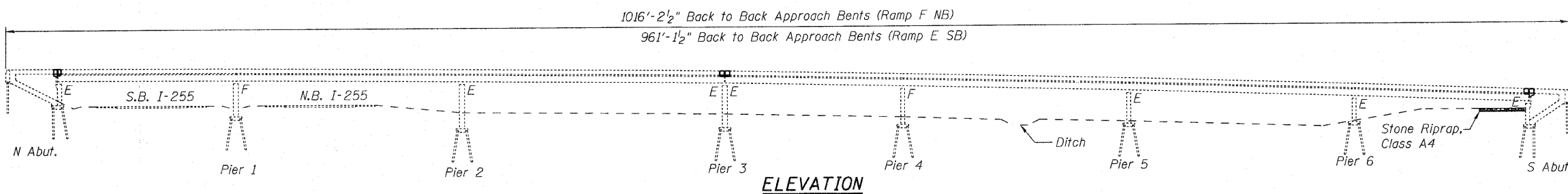


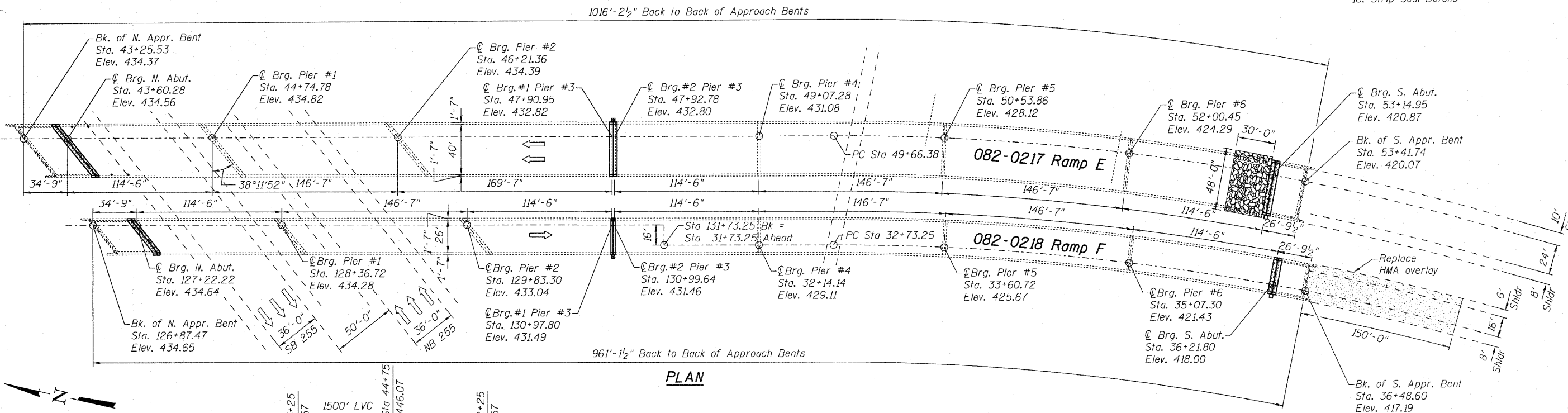
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET INDEX

1. General Plan & Elevation
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3. North Abutment Concrete Replacement - Ramp E
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13. South Abutment Finger Plate - Ramp F
14. South Abutment Elevation - Ramps E & F
15. South Abutment Finger Plate Details
16. Strip Seal Details



ELEVATION



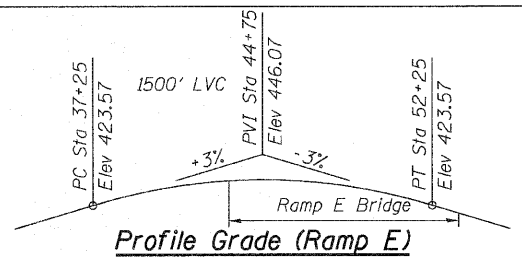
PLAN

CURVE DATA (Ramp E)

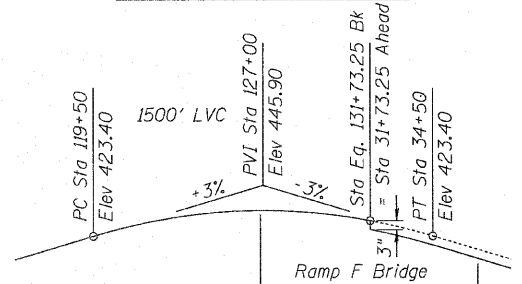
$\Delta = 53^{\circ}00'00''$
 $D = 3^{\circ}00'00''$
 $T = 952.22'$
 $E = 224.22'$
 $R = 1909.86'$
 $L = 1766.67'$
 $S.E. = 5.2\%$ attained
 Sta 48+58.38 to 50+20.38 (162')
 $P.C. = \text{Sta. } 49+66.38$
 $P.I. = \text{Sta. } 59+18.60$

CURVE DATA (Ramp F)

$\Delta = 12^{\circ}00'00''$
 $D = 3^{\circ}00'00''$
 $T = 200.73'$
 $E = 10.52'$
 $R = 1909.86'$
 $L = 400.00'$
 $S.E. = 5.2\%$ attained
 Sta 131+73.25 to 33+23.25 (150')
 $P.C. = \text{Sta. } 32+73.25$
 $P.I. = \text{Sta. } 34+73.98$



Profile Grade (Ramp E)



Profile Grade (Ramp F)

(PG shifts 16' right & drops 0.25' at the Sta Eq.)

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Stone Riprap, Class A4	Sq. Yd.	164
Filter Fabric	Sq. Yd.	164
Joint or Crack Filling	Pound	70
Concrete Removal	Cu. Yd.	60.7
Floor Drains	Each	4
Concrete Superstructure	Cu. Yd.	57.6
Reinforcement Bars, Epoxy Coated	Pound	6,930
Preformed Joint Strip Seal	Foot	97.0
Finger Plate Expansion Joint, 5"	Foot	132.0
Fabric Reinforced Elastomeric Trough	Foot	140.5
Concrete Sealer	Sq. Ft.	80,151
Structural Repair of Concrete (Depth <= 5")	Sq. Ft.	400
Mechanical Splicers	Each	280
Deck Slab Repair-Full Depth Type II	Sq. Yd.	100
Deck Slab Repair (Partial)	Sq. Yd.	100
Drainage System	L. Sum	1
Temporary Slab Support System	Each	4

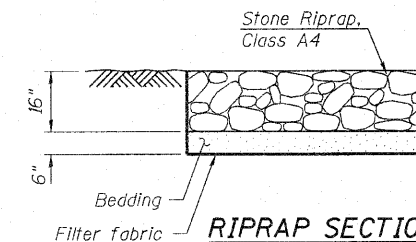
DESIGN SPECIFICATIONS

2007 AASHTO LRFD Bridge Design Specifications
with 2008 and 2009 Interims

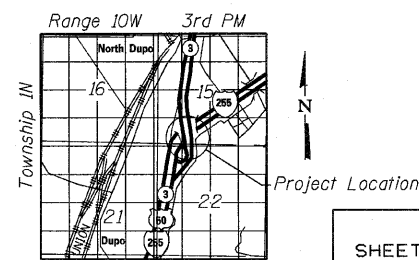
DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi}$ (Reinforcement)
 $f_y = 50,000 \text{ psi}$ (M270 Grade 50)



RIPRAP SECTION



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
SN 082-0217 & 0218

DESIGNED	J. Uehle
CHECKED	A. Hallway
DRAWN	J. Uehle
CHECKED	A. Hallway

November 5, 2010
 EXAMINED *[Signature]*
 ENGINEER OF STRUCTURAL SERVICES
 PASSED *[Signature]*
 ENGINEER OF BRIDGES AND STRUCTURES



Expires Nov. 30, 2012

SHEET NO. 1 16 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	255	82-7HB-I	ST. CLAIR	43	8
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76C33					