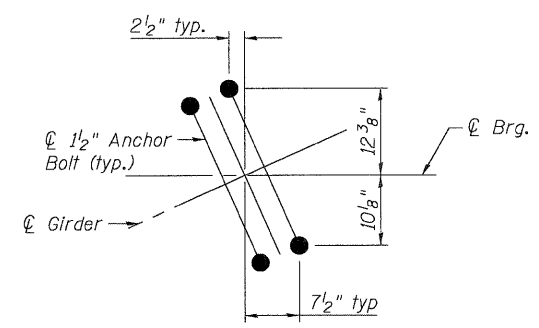
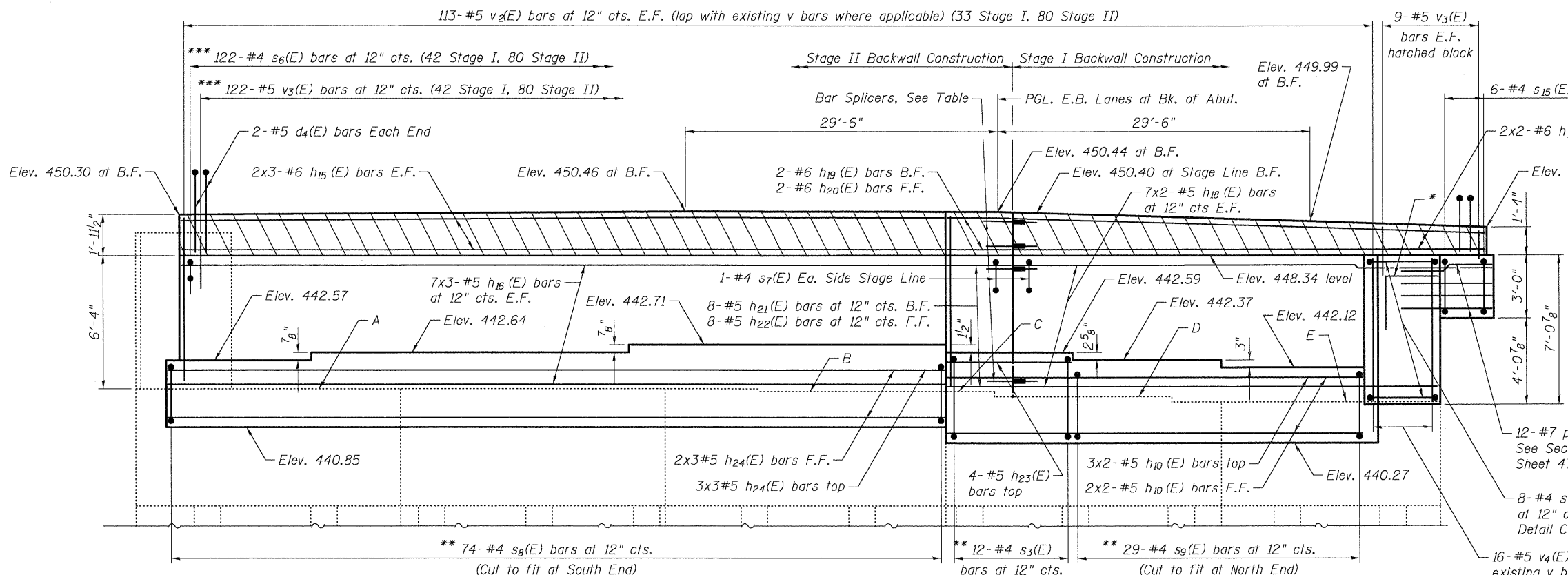


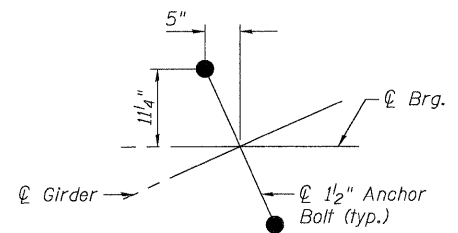
PLAN



DETAIL A
(typ. exterior girders)



ELEVATION
(Looking West)



DETAIL B
(typ. interior girders)

MIN. BAR LAPS

#4	2'-5"
#5	3'-0"
#6	3'-7"

TABLE OF EXISTING SEAT ELEVATIONS

A	442.01
B	441.85
C	441.76
D	441.46
E	441.27

TABLE OF BAR SPLICERS

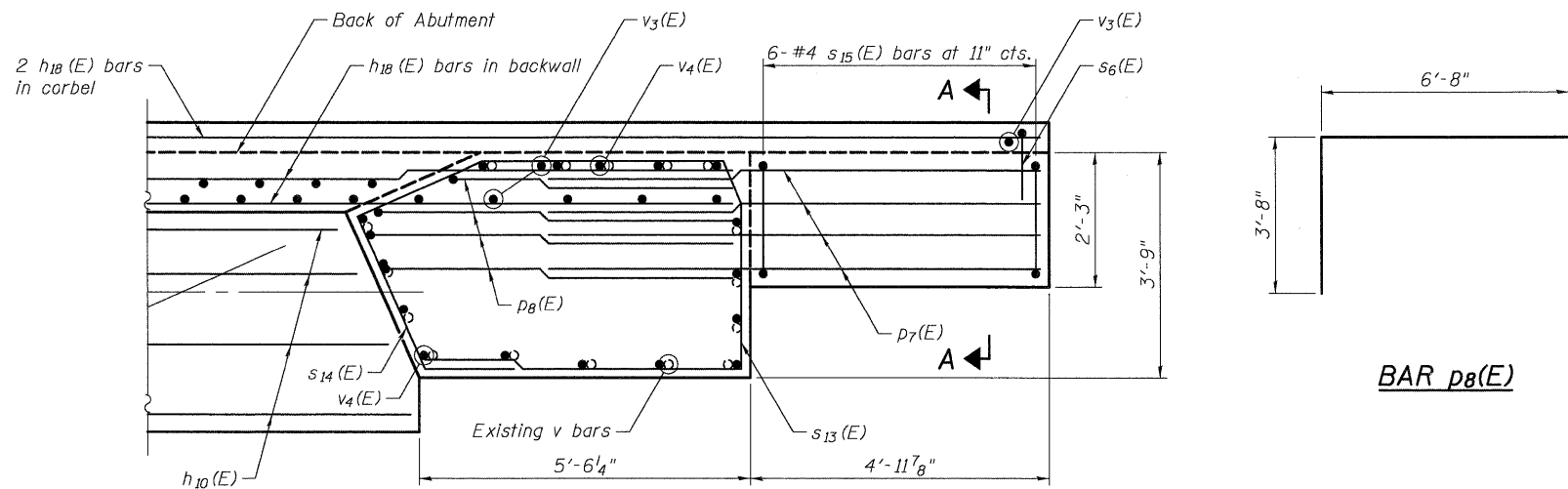
No.	Size	Bars Spliced
4	#6	h ₁₇ (E)
14	#5	h ₁₈ (E)
50	#5	Approach Pvmf.

* 4-#7 p₈(E) bars lapped with p₇(E) bars top. See Detail C.
 ** Epoxy grout #4 s₃(E), s₈(E) and s₉(E) bars into 3/4" φ x 9" drilled holes. The center of the holes shall be drilled a minimum of 9" from the top and 4" from the edge of existing concrete. See Section 584 of the Standard Specifications.
 *** See Section Thru Abutment Sheet 47 of 59

Note:
See Sheet 47 of 59 for additional details, notes and Bill of Material.

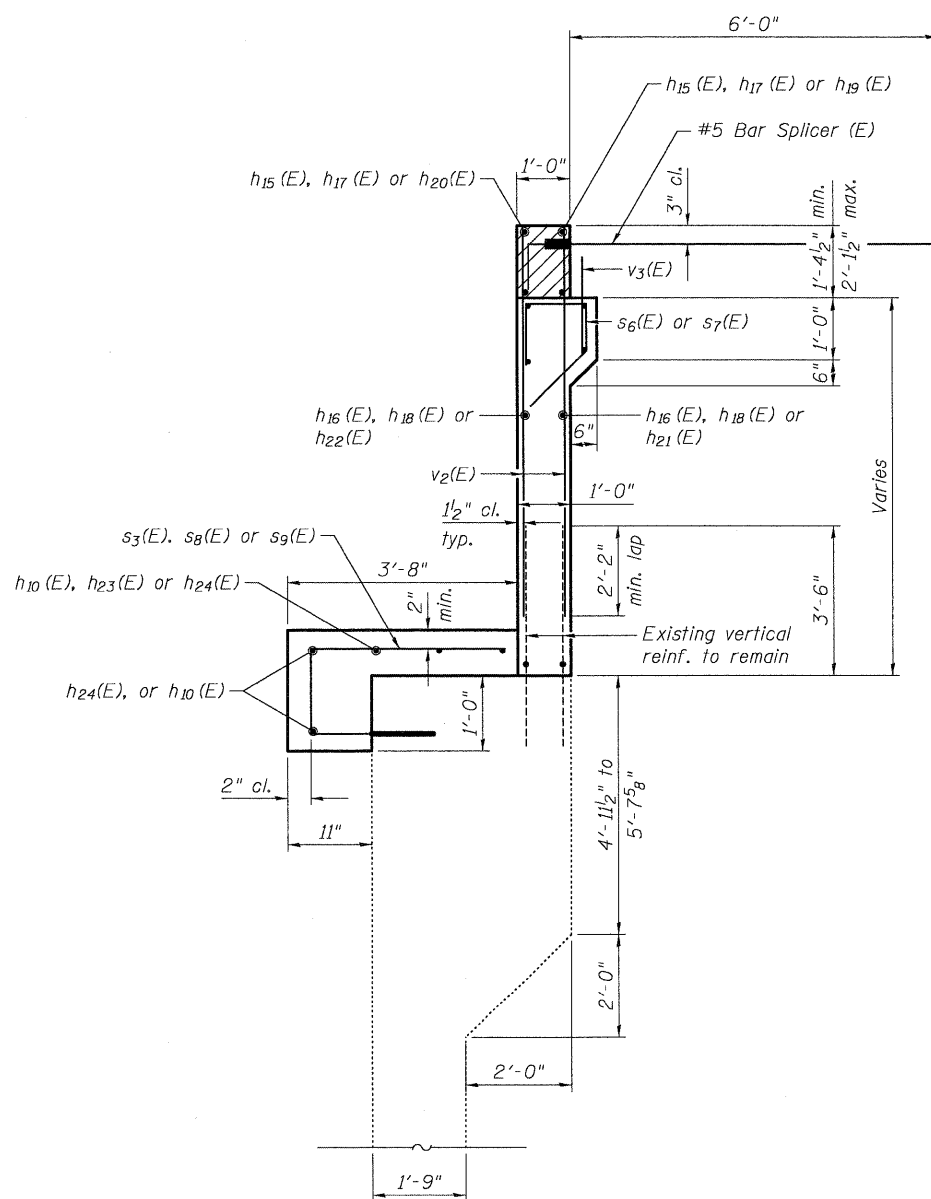
**WEST ABUTMENT EB
STRUCTURE NO 082-0162 (E.B.)
STRUCTURE NO 082-0163 (W.B.)**

COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004 SCALE DATE 1/08/09 DRAWN BY TFG CHECKED BY RM/MCB	SHEET NO. 64 59 SHEETS	F.A.I. RTE. 64 SECTION 82-2VB COUNTY ST. CLAIR CONTRACT NO. 76867	TOTAL SHEETS 153 SHEET NO. 101
	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			

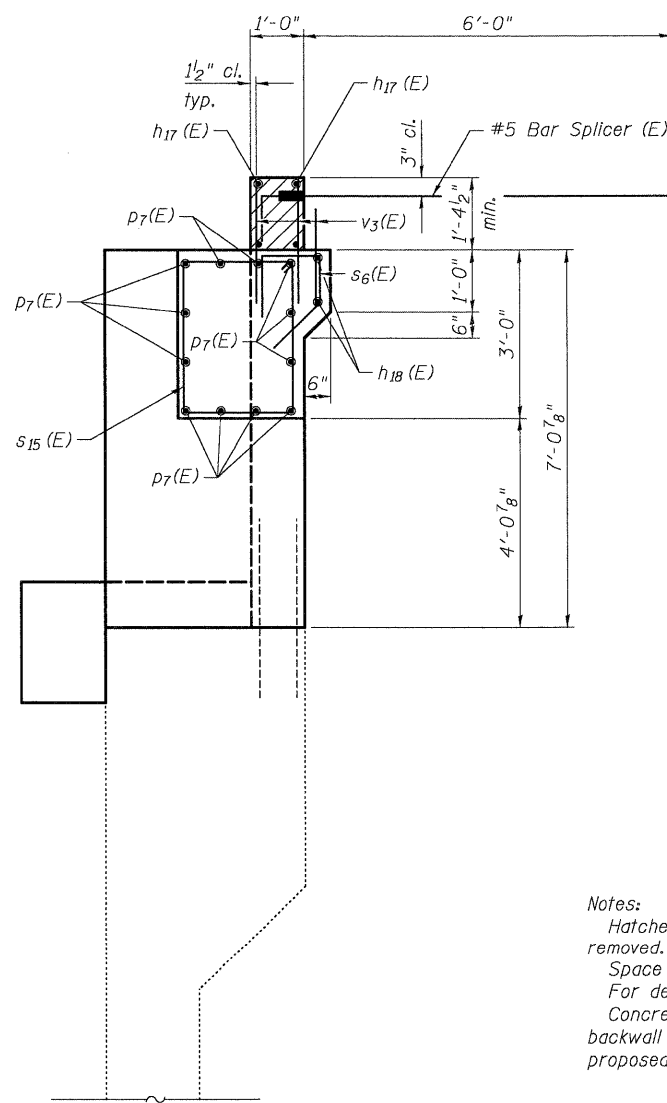


DETAIL C

West Abut. E.B. North End
(Hatched block not shown)

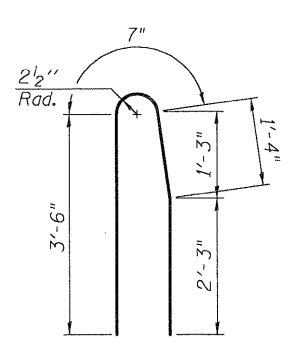


SECTION THRU ABUTMENT

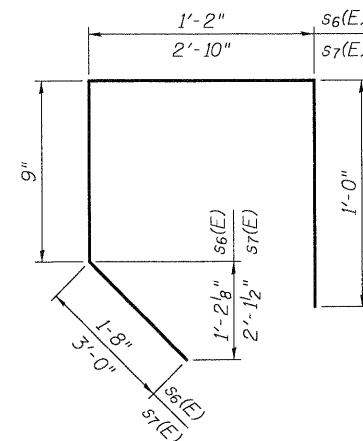


SECTION A-A

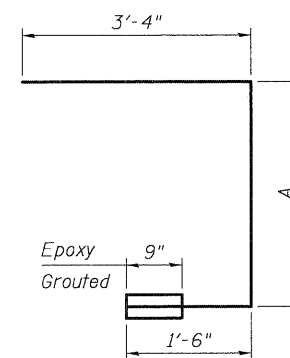
BAR p8(E)



BAR d4(E)

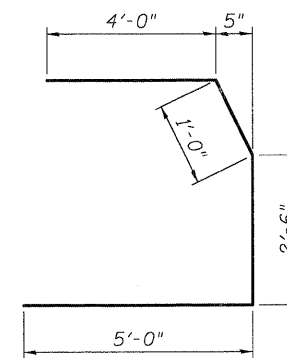


BAR s6(E) & s7(E)

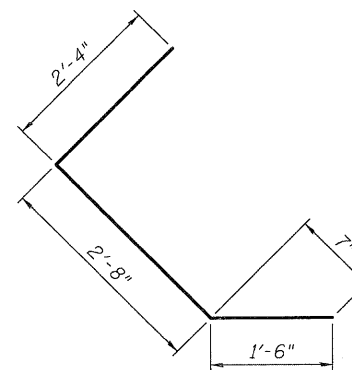


BAR s3(E), s8(E) & s9(E)

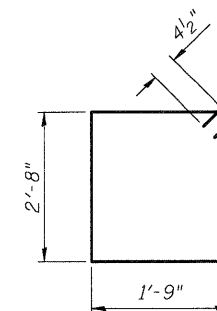
BAR	A
s3(E)	1'-11"
s8(E)	1'-4 1/2"
s9(E)	1'-5 1/2"



BAR s13(E)



BAR s14(E)



BAR s15(E)

BILL OF MATERIAL

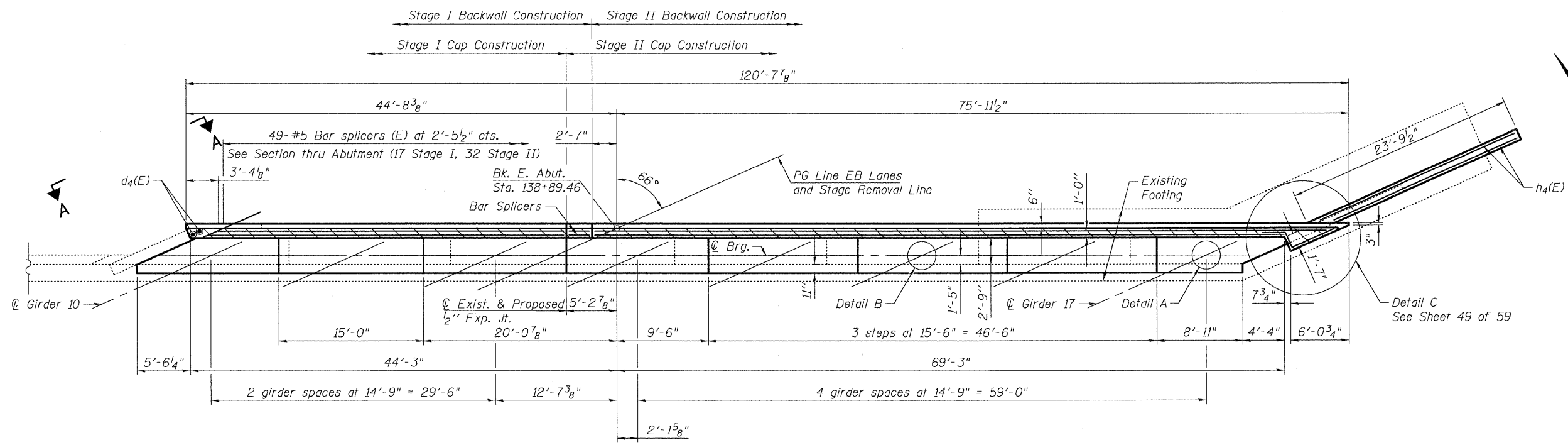
Bar	No.	Size	Length	Shape
d4(E)	4	#5	7'-8"	U
h10(E)	10	#5	22'-4"	—
h15(E)	12	#6	26'-5"	—
h16(E)	42	#5	26'-1"	—
h17(E)	8	#6	23'-4"	—
h18(E)	28	#5	22'-7"	—
h19(E)	2	#6	8'-6"	—
h20(E)	2	#6	6'-3"	—
h21(E)	8	#5	8'-6"	—
h22(E)	8	#5	6'-3"	—
h23(E)	4	#5	11'-7"	—
h24(E)	15	#5	26'-5"	—
p7(E)	12	#7	9'-8"	—
p8(E)	4	#7	10'-4"	—
s3(E)	12	#4	6'-9"	L
s6(E)	122	#4	4'-7"	—
s7(E)	2	#4	7'-7"	L
s8(E)	74	#4	6'-3"	L
s9(E)	29	#4	6'-4"	L
s13(E)	8	#4	12'-6"	L
s14(E)	8	#4	6'-6"	L
s15(E)	6	#4	9'-7"	L
v2(E)	226	#5	7'-11"	—
v3(E)	140	#5	2'-2"	—
v4(E)	16	#5	6'-8"	—
Concrete Structures	Cu. Yd.	53.1		
Reinforcement Bars, Epoxy Coated	Pound	7080		
Bar Splicers	Each	68		
Structure Excavation	Cu. Yd.	82		
Concrete Sealer	Sq. Ft.	1670		

Notes:

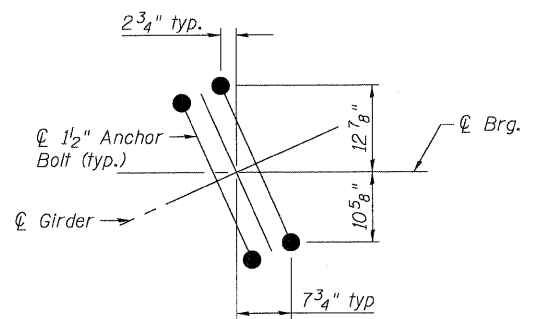
Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure. Space reinforcement in cap to miss anchor bolts. For details of Bar Splicers, See Sheet 59 of 59. Concrete sealer shall be applied to the front face of the proposed backwall and hatched area and to the top and front face of the proposed abutment cap.

**WEST ABUTMENT EB
STRUCTURE NO 082-0162 (E.B.)
STRUCTURE NO 082-0163 (W.B.)**

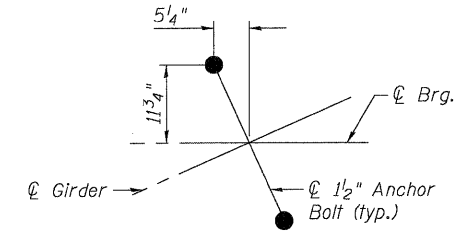
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004	SHEET NO. 47 59 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCALE 1/8" = 1'-0"		64	82-2VB	ST. CLAIR	153	102
	DATE 1/08/09		CONTRACT NO. 76867				
	DRAWN BY TFG		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
	CHECKED BY RM/MCB						



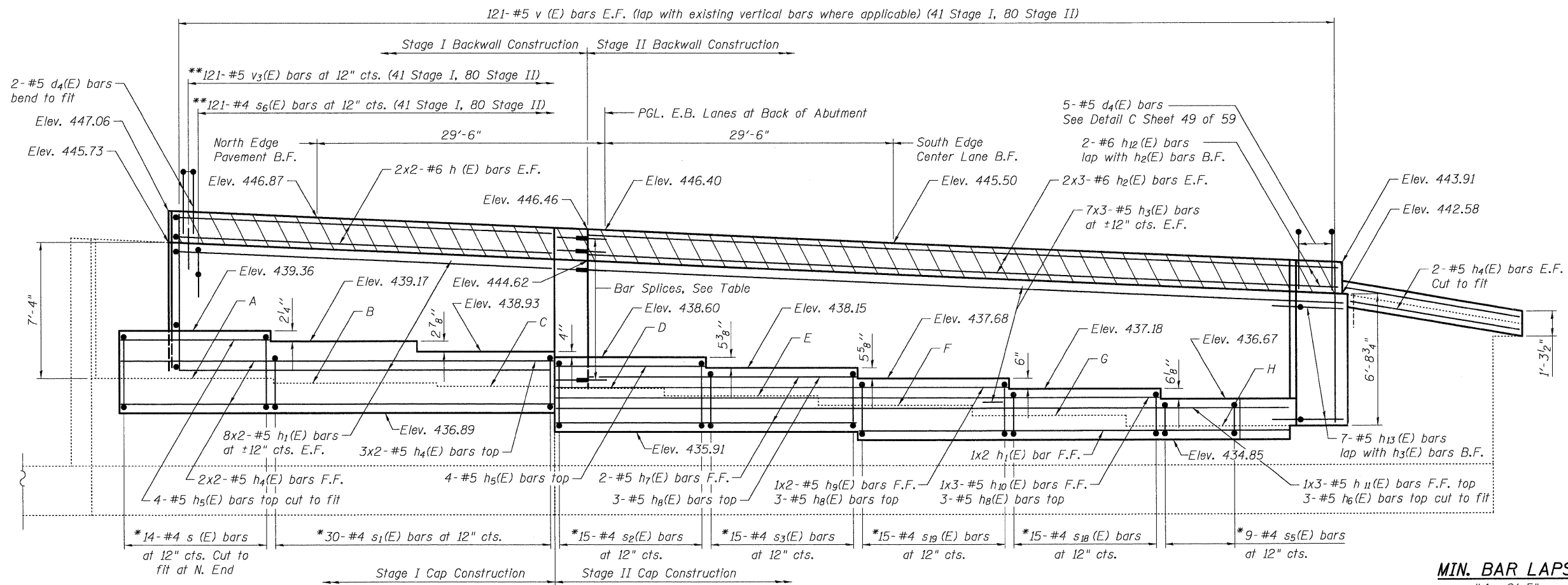
PLAN



DETAIL A
(typ Girders 10 and 17)



DETAIL B
(typ Girders 11 thru 16)



ELEVATION
(Looking East)

TABLE OF EXISTING SEAT ELEVATIONS

A	438.40
B	438.14
C	437.89
D	437.76
E	437.38
F	436.91
G	436.38
H	435.85

TABLE OF BAR SPLICERS

No.	Size	Bars Spliced
4	#6	Stands alone
14	#5	Stands alone
49	#5	Approach Pmnt.

Note: See sheet 49 of 59 for additional details, notes and Bill of Material

MIN. BAR LAPS

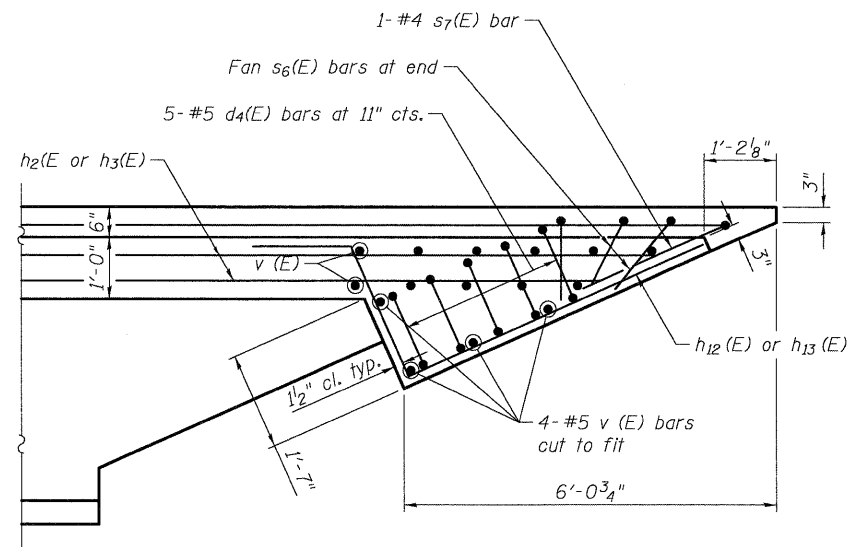
#4	2'-5"
#5	3'-0"
#6	3'-7"

EAST ABUTMENT EB
STRUCTURE NO. 082-0162 (EB)
STRUCTURE NO. 082-0163 (WB)

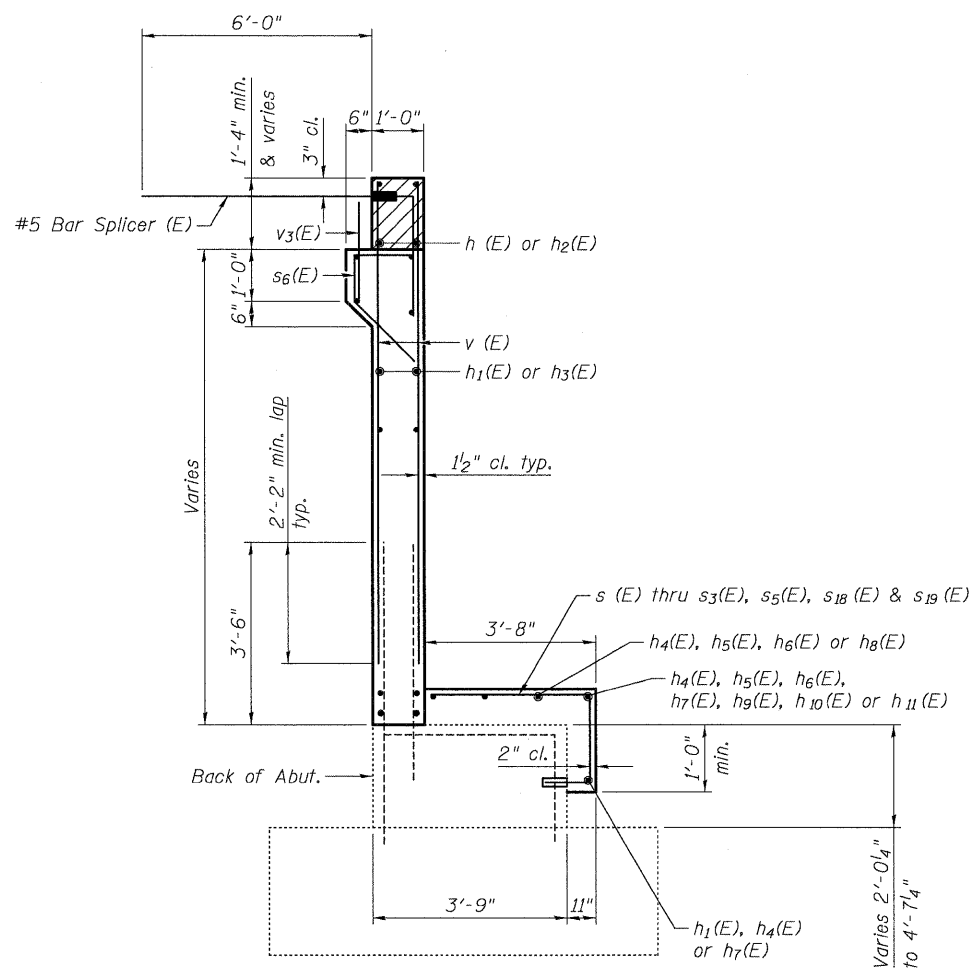
* Epoxy grout #4 s(E) thru s3(E), s5(E), s18(E) and s19(E) bars into 3/4" φ x 9" drilled holes. The center of the holes shall be drilled a minimum of 4" from the edge of existing concrete. See Section 584 of the Standard Specifications.

** See Section thru Abutment Sheet 49 of 59

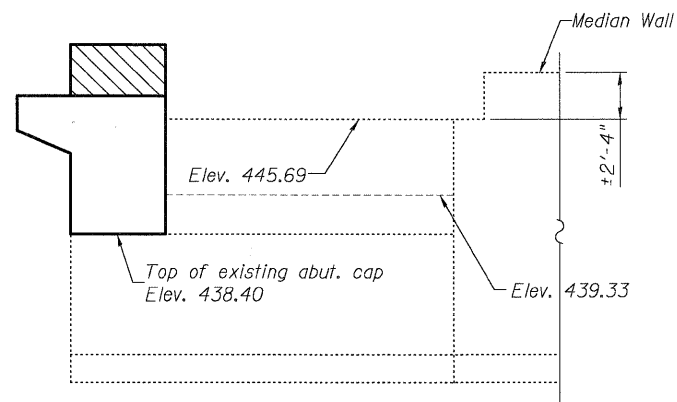
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004 SCALE DATE 1/08/09 DRAWN BY TFG CHECKED BY RM/MCB	SHEET NO. 48 59 SHEETS	F.A.I. RTE. 64 SECTION 82-2VB COUNTY ST. CLAIR TOTAL SHEETS 153 SHEET NO. 103	CONTRACT NO. 76867 FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT
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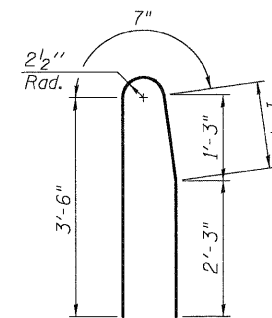
DETAIL C
East Abut. E.B. South End



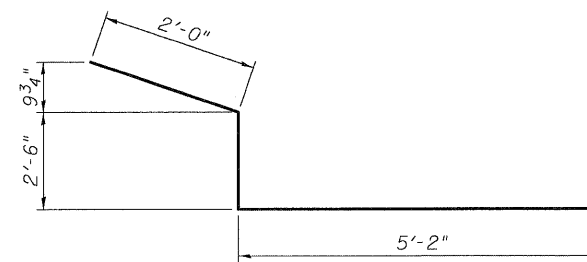
SECTION THRU ABUTMENT



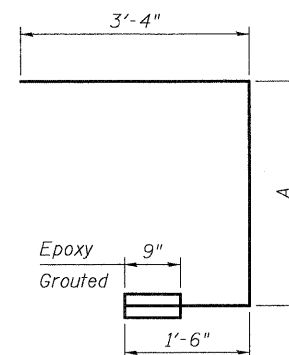
SECTION A-A



BAR d4(E)

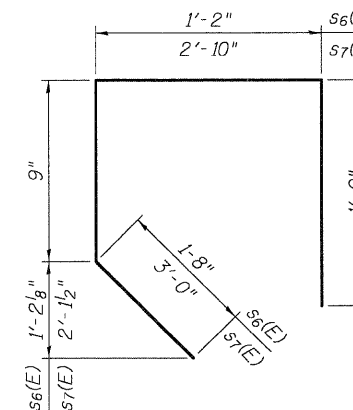


BARS h12(E) & h13(E)



BARS s(E) thru s3(E), s5(E), s18(E) & s19(E)

BAR	A
s(E)	2'-1"
s1(E)	1'-8"
s2(E)	2'-4"
s3(E)	1'-11"
s5(E)	1'-5"
s18(E)	2'-0"
s19(E)	2'-6"



BARS s6(E) & s7(E)

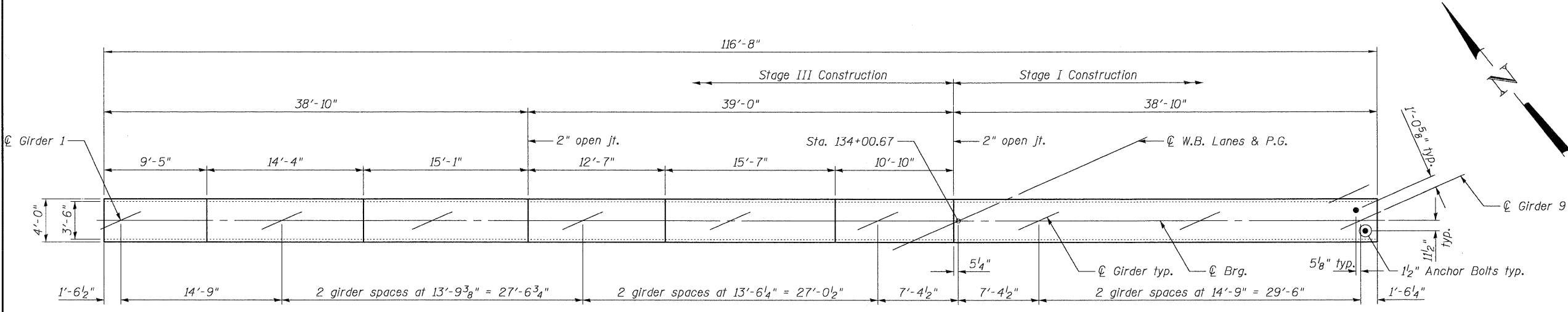
Notes:
Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure. Space reinforcement in cap to miss anchor bolts. For details of Bar Splicers, See Sheet 59 of 59. Concrete sealer shall be applied to the front face of the proposed backwall and hatched area and to the top and front face of the proposed abutment cap.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d4(E)	7	#5	7'-8"	U
h(E)	8	#6	21'-5"	—
h1(E)	34	#5	21'-1"	—
h2(E)	12	#6	28'-4"	—
h3(E)	42	#5	27'-11"	—
h4(E)	14	#5	23'-8"	—
h5(E)	8	#5	14'-4"	—
h6(E)	3	#5	15'-7"	—
h7(E)	2	#5	29'-10"	—
h8(E)	9	#5	18'-1"	—
h9(E)	2	#5	24'-2"	—
h10(E)	3	#5	22'-4"	—
h11(E)	3	#5	25'-3"	—
h12(E)	2	#6	9'-8"	U
h13(E)	7	#5	9'-8"	U
s(E)	14	#4	6'-11"	L
s1(E)	30	#4	6'-6"	L
s2(E)	15	#4	7'-2"	L
s3(E)	15	#4	6'-9"	L
s5(E)	9	#4	6'-3"	L
s6(E)	121	#4	4'-7"	L
s7(E)	1	#4	7'-7"	L
s18(E)	15	#4	6'-10"	L
s19(E)	15	#4	7'-4"	L
v(E)	246	#5	7'-9"	—
v3(E)	121	#5	2'-2"	—
Concrete Structures		Cu. Yd.	56.6	
Reinforcement Bars, Epoxy Coated		Pound	6,990	
Bar Splicers		Each	67	
Structure Excavation		Cu. Yd.	78	
Concrete Sealer		Sq. Ft.	1,750	

EAST ABUTMENT EB DETAILS
STRUCTURE NO. 082-0162 (EB)
STRUCTURE NO. 082-0163 (WB)

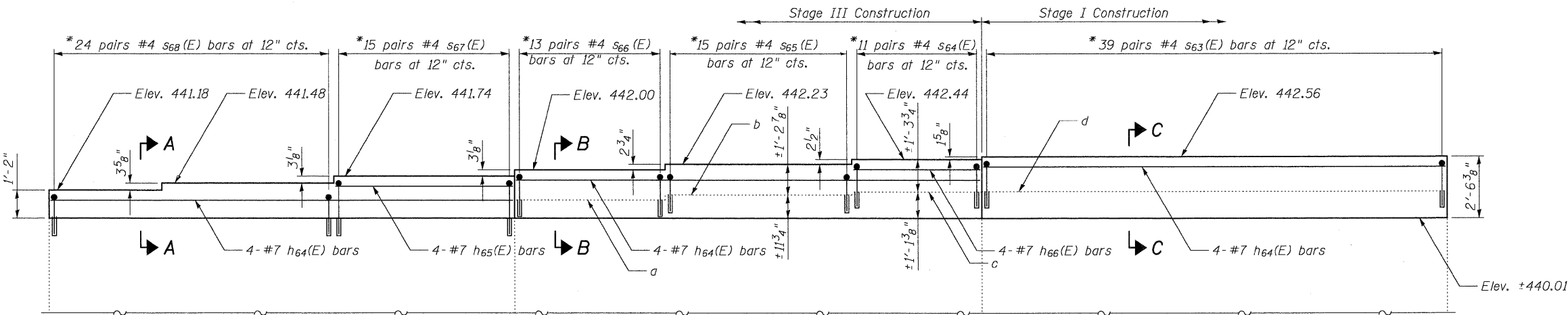
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004 SCALE DATE 1/08/09 DRAWN BY TFG CHECKED BY RM/MCB	SHEET NO. 49 59 SHEETS	F.A.I. RTE. 64	SECTION 82-2VB	COUNTY ST. CLAIR	TOTAL SHEETS 153	SHEET NO. 104
				CONTRACT NO. 76867			
				FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			



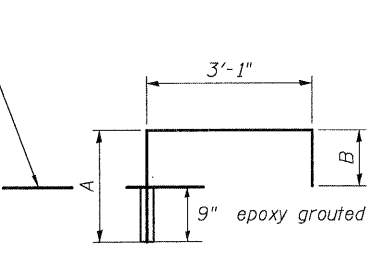
PLAN PIER 1

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h64(E)	12	#7	38'-6"	—
h65(E)	4	#7	14'-8"	—
h66(E)	4	#7	10'-5"	—
s63(E)	78	#4	7'-3"	□
s64(E)	22	#4	7'-1"	□
s65(E)	30	#4	6'-4"	□
s66(E)	26	#4	6'-6"	□
s67(E)	30	#4	6'-10"	□
s68(E)	48	#4	5'-8"	□
Concrete Structures		Cu. Yd.	26.9	
Reinforcement Bars, Epoxy Coated		Pound	2190	



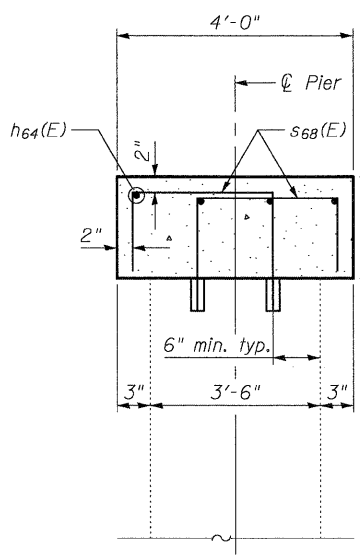
ELEVATION PIER 1
(Looking East)



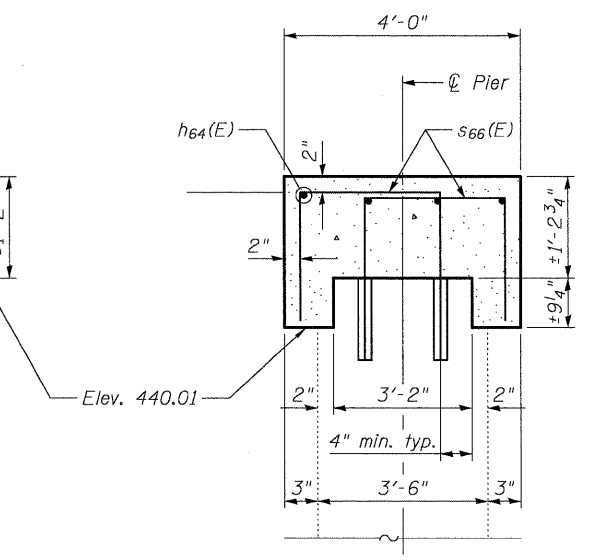
BAR s63(E) thru s68(E)

A & B DIMENSIONS

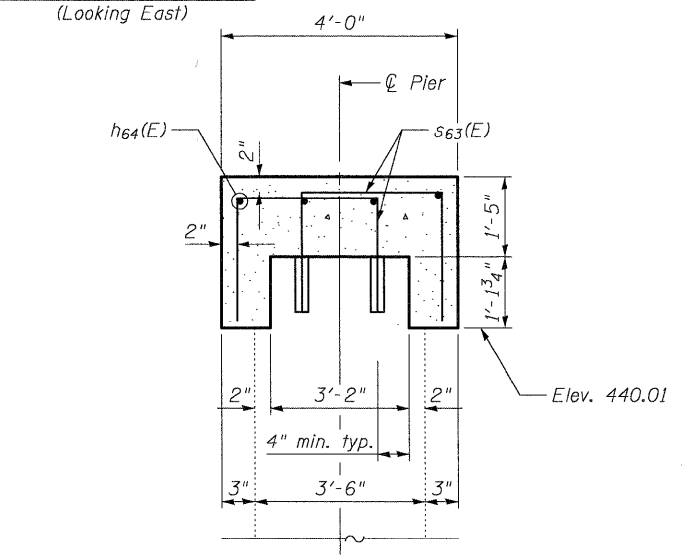
Bar	A	B
s63(E)	1'-11 1/2"	2'-2 1/2"
s64(E)	1'-11"	2'-1"
s65(E)	1'-7"	1'-8"
s66(E)	1'-9 1/2"	1'-7 1/2"
s67(E)	2'-4"	1'-5"
s68(E)	1'-9"	10"



SECTION A-A



SECTION B-B



SECTION C-C

* Epoxy grout s63 (E) bars thru s68 (E) into 3/4" x 9" min drilled holes.
The center of the hole shall be drilled a minimum of 4" (Sec B-B & Sec C-C) or 6" (Sec A-A) from the face of the remaining existing structure.
See Section 584 of the Standard Specifications.
Locate holes to miss existing cap reinforcement.
Offset holes for each pair of S63(E) thru S68(E) bars by 1/2".
See sheet 57 of 59 for concrete removal and repair details.

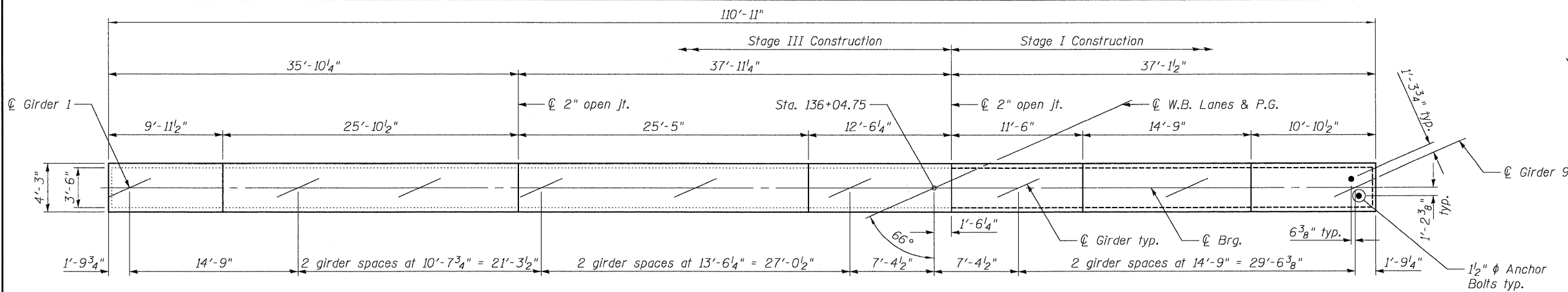
TABLE OF EXISTING SEAT ELVs.

a	440.78
b	441.00
c	441.13
d	441.16

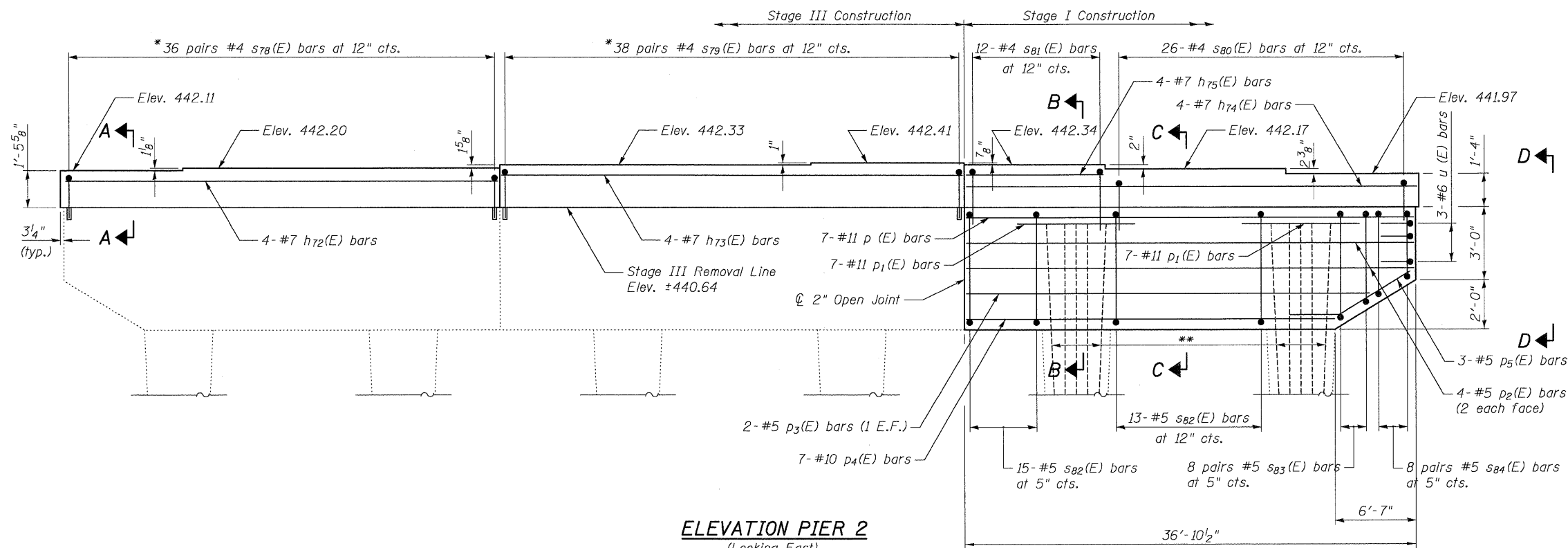
PIER 1 WB STRUCTURE
STRUCTURE NO. 082-0162 (E.B.)
STRUCTURE NO. 082-0163 (W.B.)

COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004 SCALE DATE 5/12/09 DESIGN BY MCB DRAWN BY CFC CHECKED BY MCB	SHEET NO. 50 59 SHEETS	F.A.I. RTE. 64 SECTION 82-2VB COUNTY ST. CLAIR CONTRACT NO. 76867	TOTAL SHEETS 153 SHEET NO. 105
	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			

USER NAME = CFC



PLAN PIER 2



ELEVATION PIER 2
(Looking East)

* Epoxy grout s78(E) and s79(E) bars into 3/4" x 9" drilled holes. The center of the hole shall be drilled a minimum of 4" from the face of the existing structure. See Section 584 of the Standard Specifications. Offset holes for each pair of s78(E) and s79(E) bars by 1/2". Locate holes to miss existing reinforcement. ** Existing vertical bars to remain.

MIN. BAR LAP
#5 bars = 1'-8"

Note:
See sheet 52 of 59 for additional details, notes and Bill of Material.

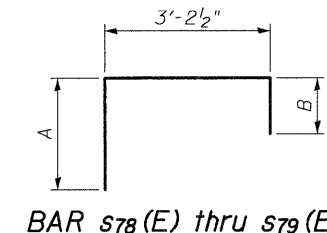
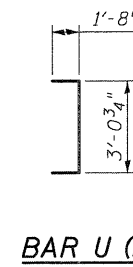
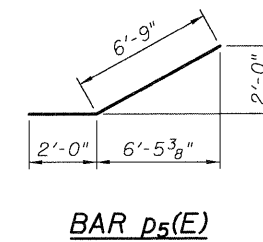
PIER 2 WB STRUCTURE
STRUCTURE NO. 082-0162 (E.B.)
STRUCTURE NO. 082-0163 (W.B.)

COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004 SCALE DATE / / DESIGN BY MCB DRAWN BY CFC CHECKED BY MCB	SHEET NO. 51 59 SHEETS	F.A.I. RTE. 64	SECTION 82-2VB	COUNTY ST. CLAIR	TOTAL SHEETS 153	SHEET NO. 106
				CONTRACT NO. 76867			
				FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			

USER NAME = CFC

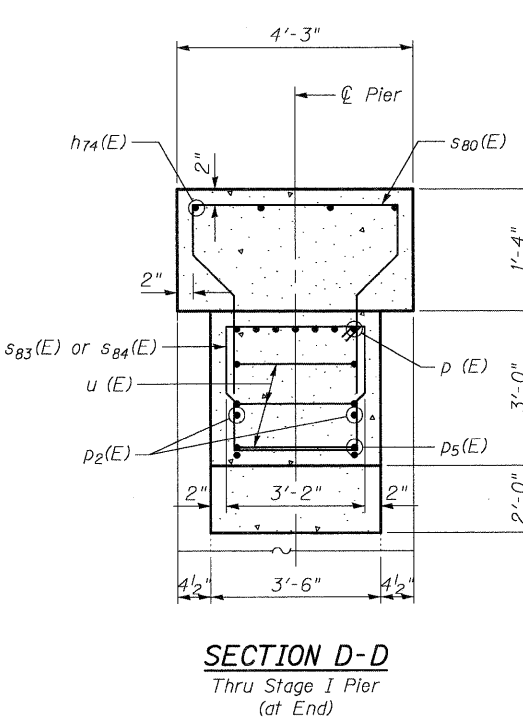
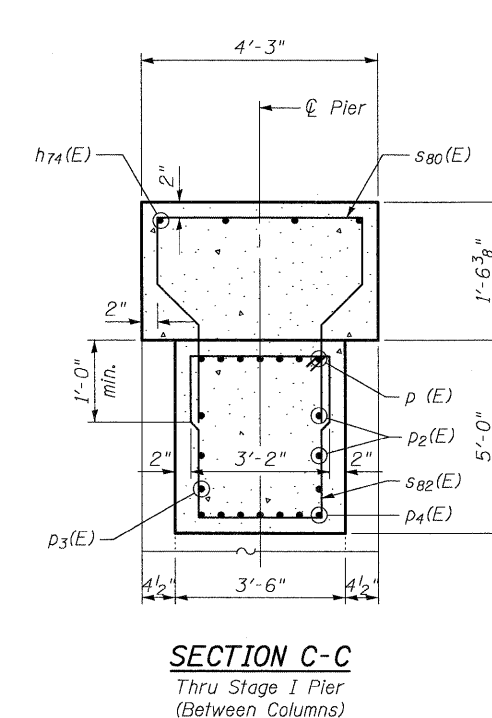
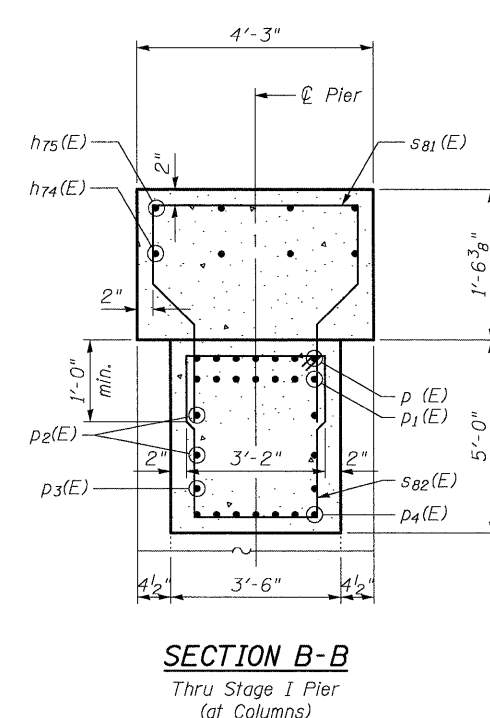
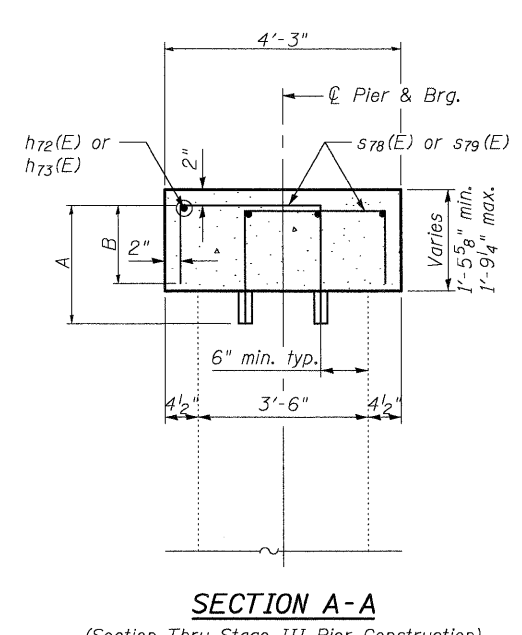
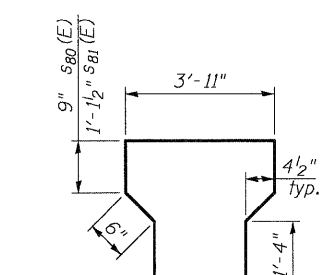
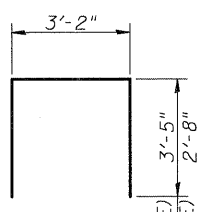
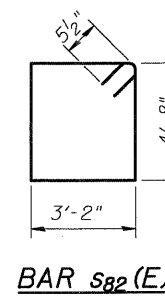
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h72(E)	4	#7	35'-6"	—
h73(E)	4	#7	37'-6"	—
h74(E)	4	#7	36'-8"	—
h75(E)	4	#7	11'-1"	—
p(E)	7	#11	36'-9"	—
p1(E)	14	#11	15'-0"	—
p2(E)	4	#5	36'-4"	—
p3(E)	2	#5	33'-9"	—
p4(E)	7	#10	29'-10"	—
p5(E)	3	#5	8'-9"	—
s78	72	#4	6'-5"	⌊
s79	76	#4	6'-9"	⌊
s80	26	#4	9'-1"	⌊
s81	12	#4	9'-10"	⌊
s82	28	#5	16'-7"	⌊
s83	16	#5	10'-0"	⌊
s84	16	#5	8'-6"	⌊
u(E)	3	#6	6'-5"	⌊
Concrete Structures			Cu. Yd.	50.8
Reinforcement Bars, Epoxy Coated			Pound	6330



A & B DIMENSIONS

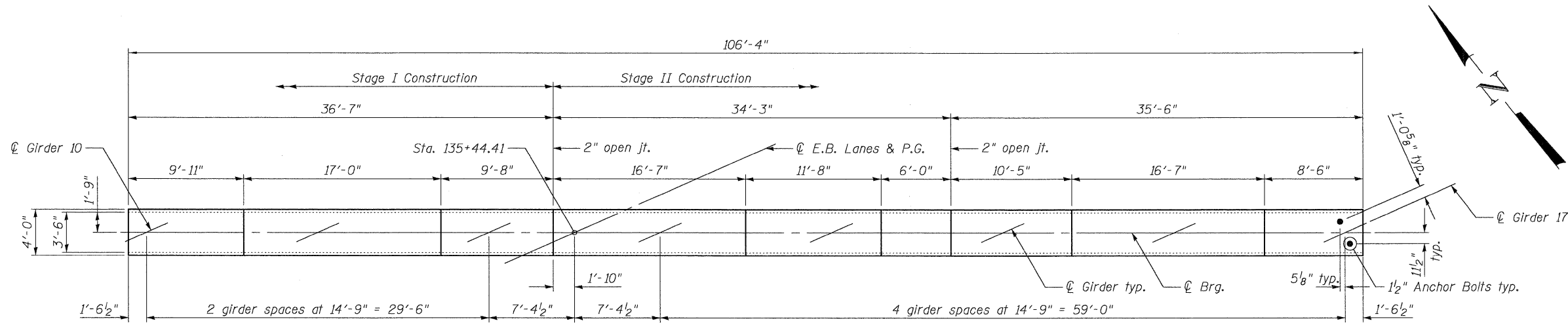
Bar	A	B
s78(E)	2'-0 1/2"	1'-1 1/2"
s79(E)	2'-3"	1'-4"



PIER 2 WB STRUCTURE
STRUCTURE NO. 082-0162 (E.B.)
STRUCTURE NO. 082-0163 (W.B.)

COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004 SCALE DATE / / DESIGN BY MCB DRAWN BY CFC CHECKED BY MCB	SHEET NO. 52 59 SHEETS	F.A.I. RTE. 64 SECTION 82-2VB COUNTY ST. CLAIR FEDERAL ROAD DIST. NO. 7 ILLINOIS	TOTAL SHEETS 153 SHEET NO. 107 CONTRACT NO. 76867 FED. AID PROJECT
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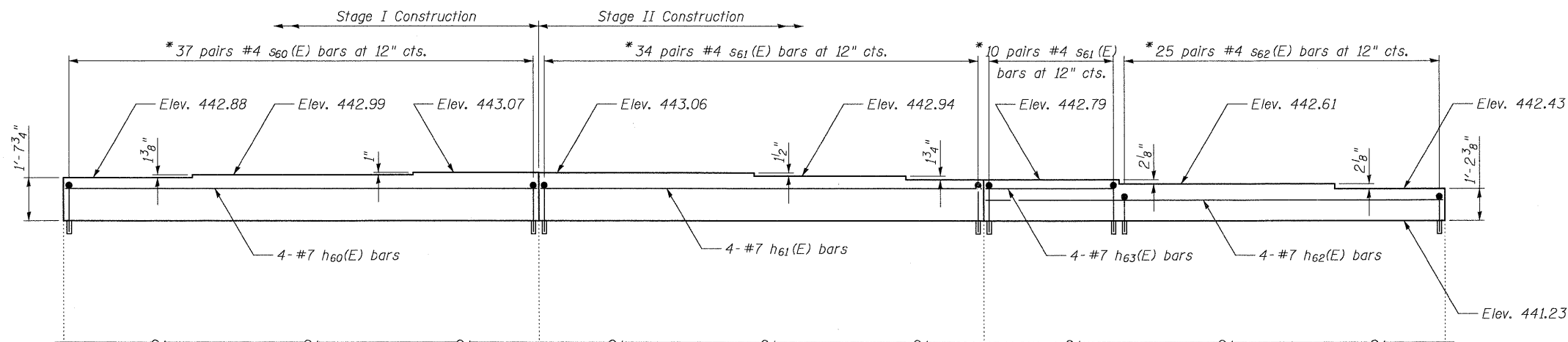
USER NAME = CFC



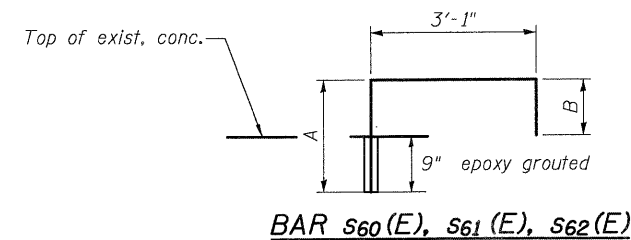
PLAN PIER 1

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h60(E)	4	#7	36'-2"	—
h61(E)	4	#7	33'-11"	—
h62(E)	4	#7	35'-1"	—
h63(E)	4	#7	10'-0"	—
s60(E)	74	#4	6'-7"	□
s61(E)	88	#4	6'-5"	□
s62(E)	50	#4	5'-9"	□
Concrete Structures		Cu. Yd.	26.0	
Reinforcement Bars, Epoxy Coated		Pound	1840	



ELEVATION PIER 1
(Looking East)

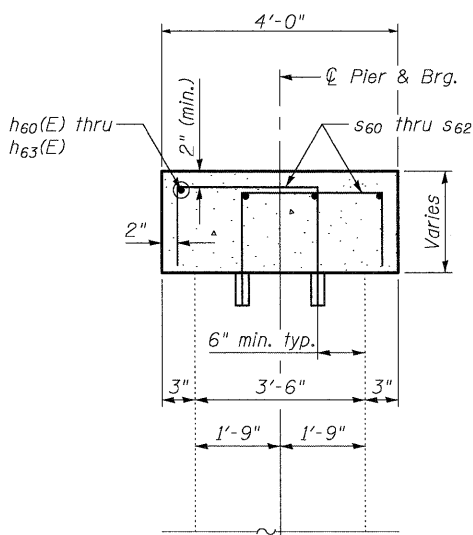


A & B DIMENSIONS

Bar	A	B
s60(E)	2'-2 1/2"	1'-3 1/2"
s61(E)	2'-1 1/2"	1'-2 1/2"
s62(E)	1'-9 1/2"	10 1/2"

* Epoxy grout s60(E) thru s62(E) bars into 3/4" x 9" min drilled holes.
The center of the hole shall be drilled a minimum of 6" from the face of the remaining existing structure. See Section 584 of the Standard Specifications. Locate holes to miss existing reinforcement in cap. Offset holes for each pair of s60(E) thru s62(E) bars by 1/2".

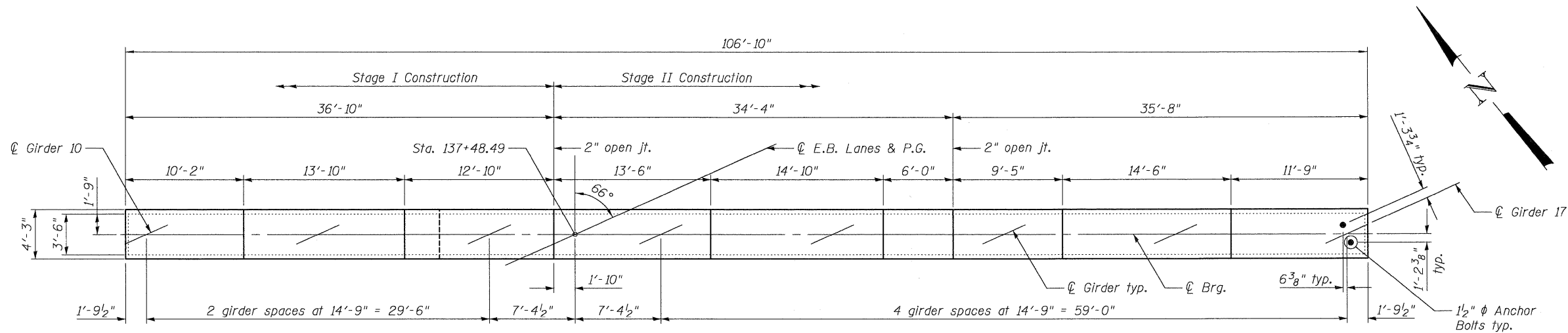
Note:
See sheet 58 of 59 for concrete removal and repair details.



SECTION THRU PIER

COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004 SCALE DATE 5/12/09 DESIGN BY MCB DRAWN BY CFC CHECKED BY MCB	SHEET NO. 53 59 SHEETS	F.A.I. RTE. 64 SECTION 82-2VB COUNTY ST. CLAIR FEDERAL ROAD DIST. NO. 7 ILLINOIS	TOTAL SHEETS 153 SHEET NO. 108 CONTRACT NO. 76867 FED. AID PROJECT
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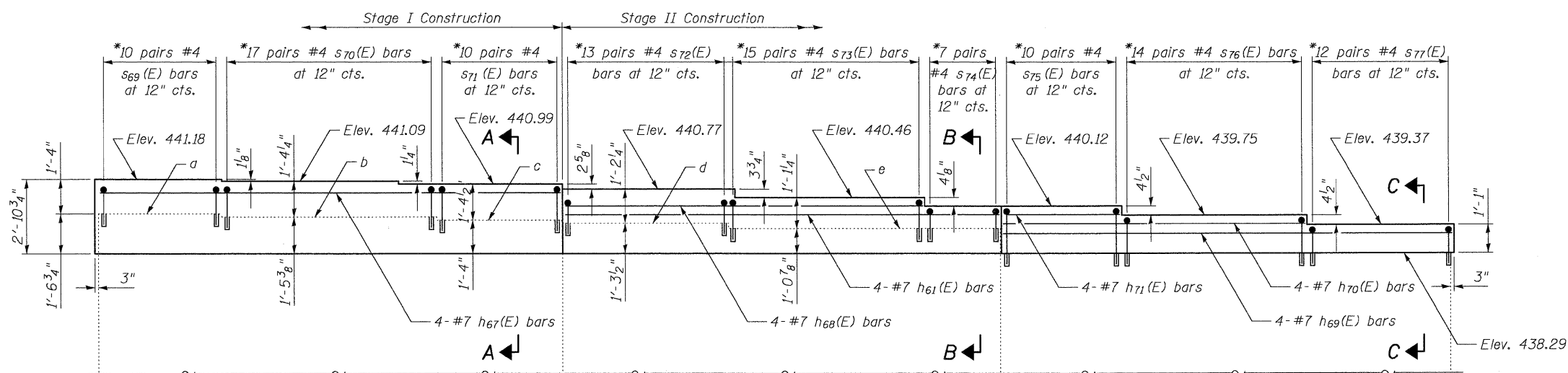
PIER 1 EB STRUCTURE
STRUCTURE NO. 082-0162 (E.B.)
STRUCTURE NO. 082-0163 (W.B.)



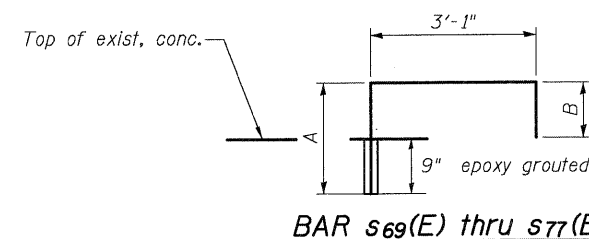
PLAN PIER 2

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h61(E)	4	#7	33'-10"	—
h67(E)	4	#7	36'-5"	—
h68(E)	4	#7	27'-10"	—
h69(E)	4	#7	35'-4"	—
h70(E)	4	#7	23'-7"	—
h71(E)	4	#7	9'-0"	—
s69(E)	20	#4	7'-3"	⌋
s70(E)	34	#4	7'-5"	⌋
s71(E)	20	#4	7'-6"	⌋
s72(E)	26	#4	6'-6"	⌋
s73(E)	30	#4	6'-9"	⌋
s74(E)	14	#4	6'-1"	⌋
s75(E)	20	#4	7'-2"	⌋
s76(E)	28	#4	6'-5"	⌋
s77(E)	24	#4	5'-8"	⌋
Concrete Structures	Cu. Yd.	25.4		
Reinforcement Bars, Epoxy Coated	Pound	2330		



ELEVATION PIER 2
(Looking East)



BAR s69(E) thru s77(E)

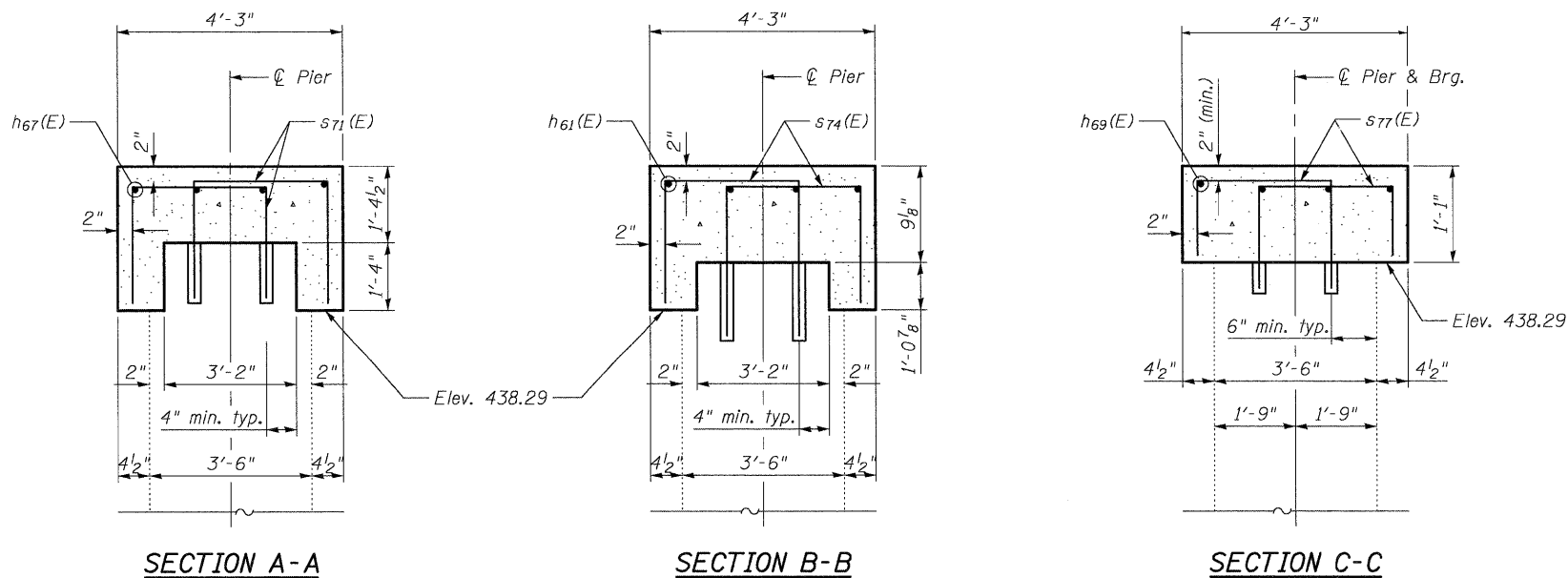
A & B DIMENSIONS

Bar	A	B
s69(E)	1'-8 1/2"	2'-4"
s70(E)	1'-10"	2'-4"
s71(E)	1'-11"	2'-4"
s72(E)	1'-5 1/2"	1'-10"
s73(E)	1'-8"	1'-10"
s74(E)	1'-4"	1'-6"
s75(E)	2'-5"	1'-6"
s76(E)	2'-0 1/2"	1'-1 1/2"
s77(E)	1'-8"	9"

TABLE OF EXISTING SEAT ELEVATIONS

a	439.85
b	439.74
c	439.62
d	439.58
e	439.36

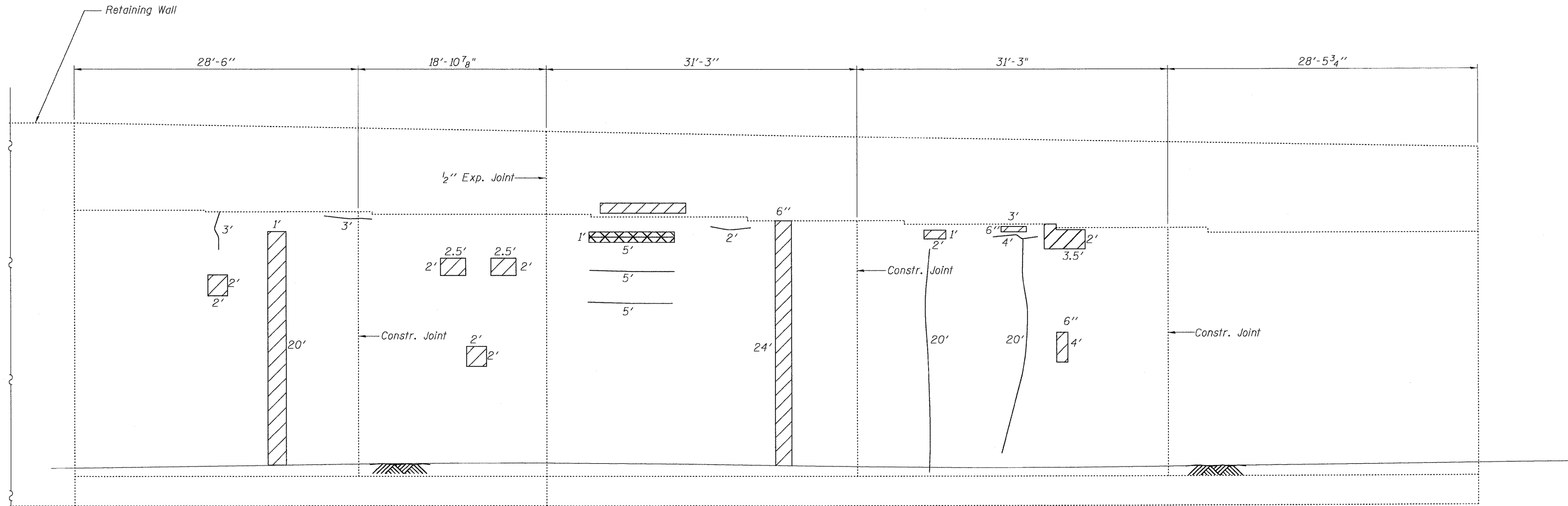
* Epoxy grout s69(E) thru s77(E) bars into 3/4" x 9" drilled holes. The center of the hole shall be drilled a minimum of 4" from the face of the existing structure. See Section 584 of the Standard Specifications. Locate holes to miss existing cap reinforcement. Offset holes for each pair of s69(E) thru s77(E) bars by 1/2".



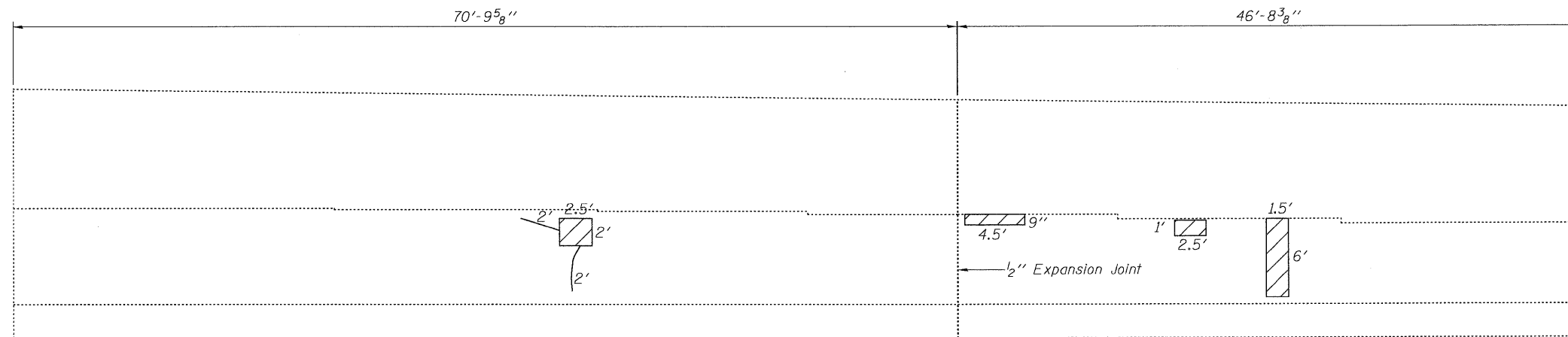
Note:
See sheet 58 of 59 for concrete removal and repair details.

PIER 2 EB STRUCTURE
STRUCTURE NO. 082-0162 (E.B.)
STRUCTURE NO. 082-0163 (W.B.)

COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004 SCALE DATE / / DESIGN BY MCB DRAWN BY CFC CHECKED BY MCB	SHEET NO. 54 59 SHEETS	F.A.I. RTE. 64 SECTION 82-2VB COUNTY ST. CLAIR CONTRACT NO. 76867	TOTAL SHEETS 153 SHEET NO. 109	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT
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WEST ABUTMENT-WB LANES
(Looking West)



EAST ABUTMENT-WB LANES
(Looking East)

LEGEND

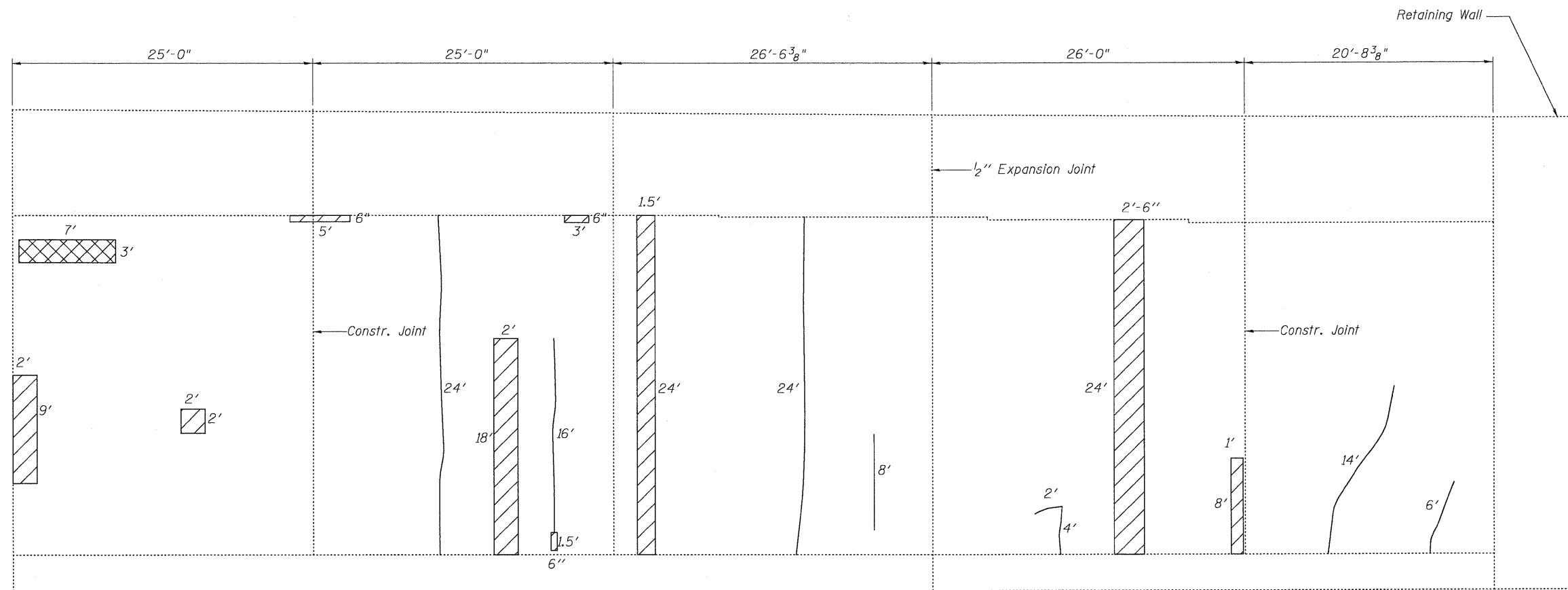
- Denotes Structural Repair of Concrete (Depth Equal to or Less Than 5")
- Denotes Structural Repair of Concrete (Depth Greater Than 5")
- Denotes Epoxy Crack Injection

BILL OF MATERIAL
TWO ABUTMENTS

Structural Repair of Concrete (Depth Equal to or Less Than 5 In.)	Sq. Ft.	82.5
Structural Repair of Concrete (Depth Greater Than 5 In.)	Sq. Ft.	5.0
Epoxy Crack Injection	Ft.	66

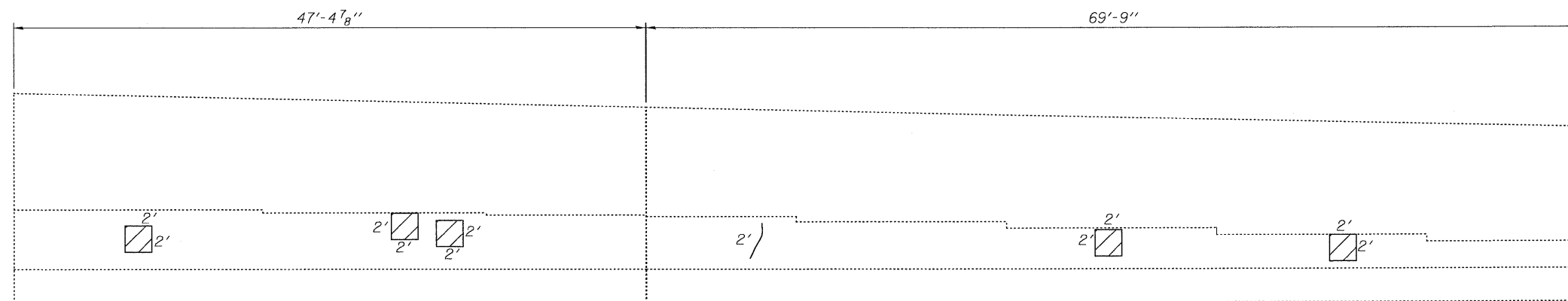
ABUTMENT REPAIR DETAILS WB LANES
STRUCTURE NO. 082-0162 (E.B.)
STRUCTURE NO. 082-0163 (W.B.)

COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004 SCALE DATE 1/09/09 DRAWN BY TFG CHECKED BY RM/MCB	SHEET NO. 55 59 SHEETS	F.A.I. RTE. 64	SECTION 82-2VB	COUNTY ST. CLAIR	TOTAL SHEETS 153	SHEET NO. 110
				CONTRACT NO. 76867		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT	



WEST ABUTMENT-EB LANES




(Looking West)



EAST ABUTMENT-EB LANES

(Looking East)

LEGEND

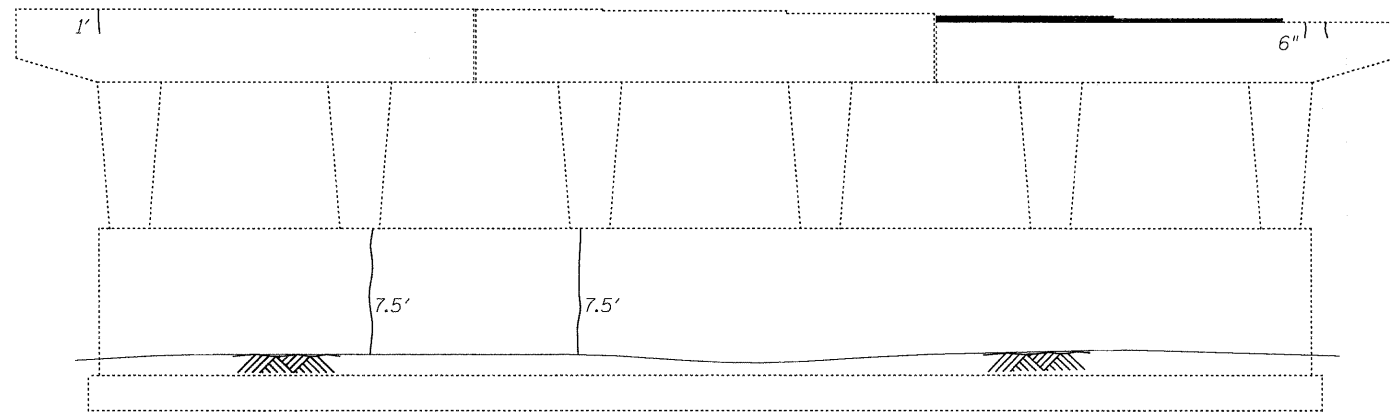
-  Denotes Structural Repair of Concrete (Depth Equal to or Less Than 5")
-  Denotes Structural Repair of Concrete (Depth Greater Than 5")
-  Denotes Epoxy Crack Injection

**BILL OF MATERIAL
TWO ABUTMENTS**

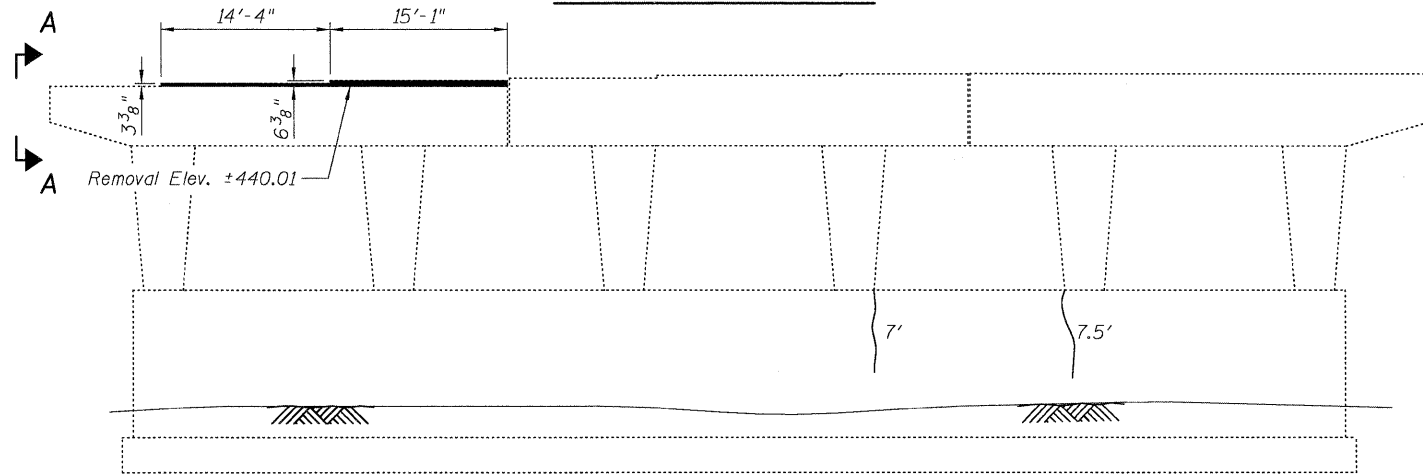
Structural Repair of Concrete (Depth Equal to or Less Than 5 In.)	Sq. Ft.	187.0
Structural Repair of Concrete (Depth Greater Than 5 In.)	Sq. Ft.	21.0
Epoxy Crack Injection	Ft.	100

**ABUTMENT REPAIR DETAILS EB LANES
STRUCTURE NO. 082-0162 (E.B.)
STRUCTURE NO. 082-0163 (W.B.)**

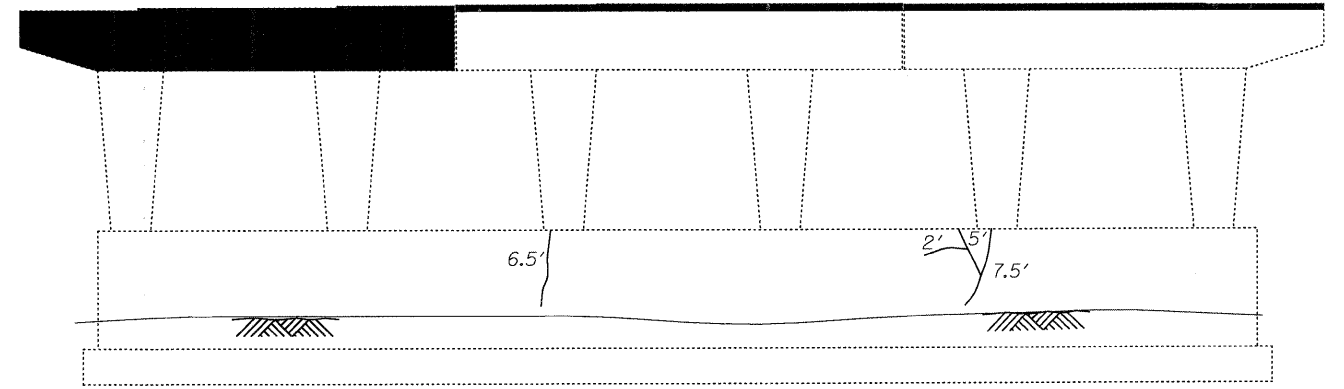
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004 SCALE DATE 1/09/09 DRAWN BY TFG CHECKED BY RM/MCB	SHEET NO. 56 59 SHEETS	F.A.I. RTE. 64 SECTION 82-2VB COUNTY ST. CLAIR FEDERAL ROAD DIST. NO. 7 ILLINOIS	TOTAL SHEETS 153 SHEET NO. 111 CONTRACT NO. 76867 FED. AID PROJECT
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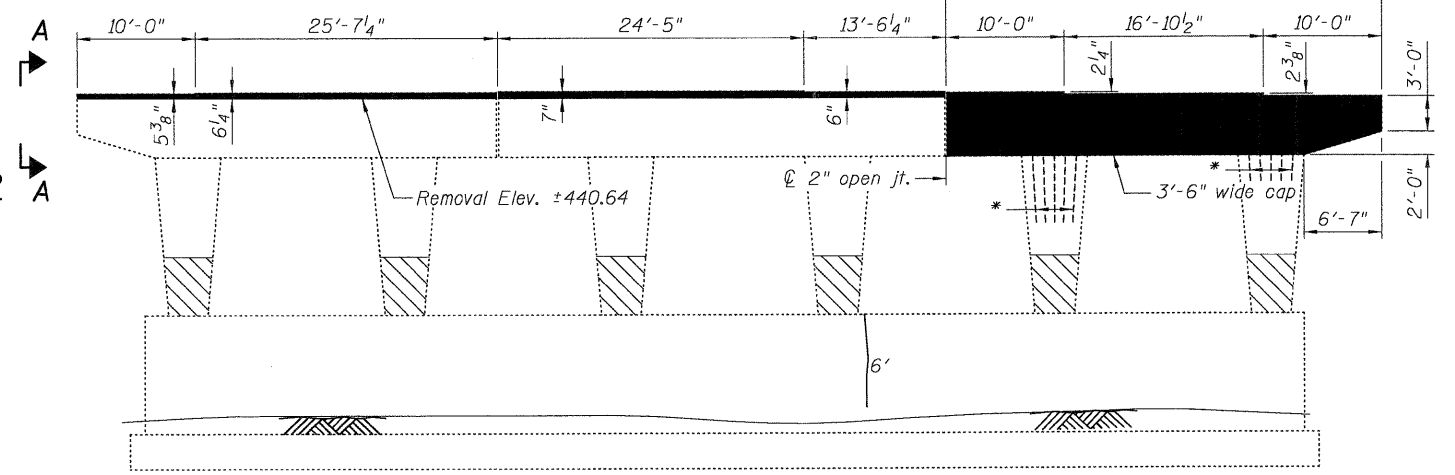
PIER 1 WB EAST FACE



PIER 1 WB WEST FACE

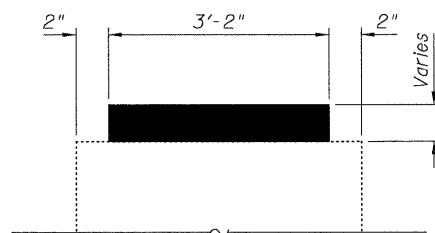


PIER 2 WB EAST FACE







PIER 2 WB WEST FACE

**S END CAP
PIER 1 WB**



VIEW A-A

LEGEND

-  Previous Wrap Repair
-  Denotes Structural Repair of Concrete (Depth Equal to or Less Than 5")
-  Denotes Concrete Removal
-  Denotes Epoxy Crack Injection

NOTES

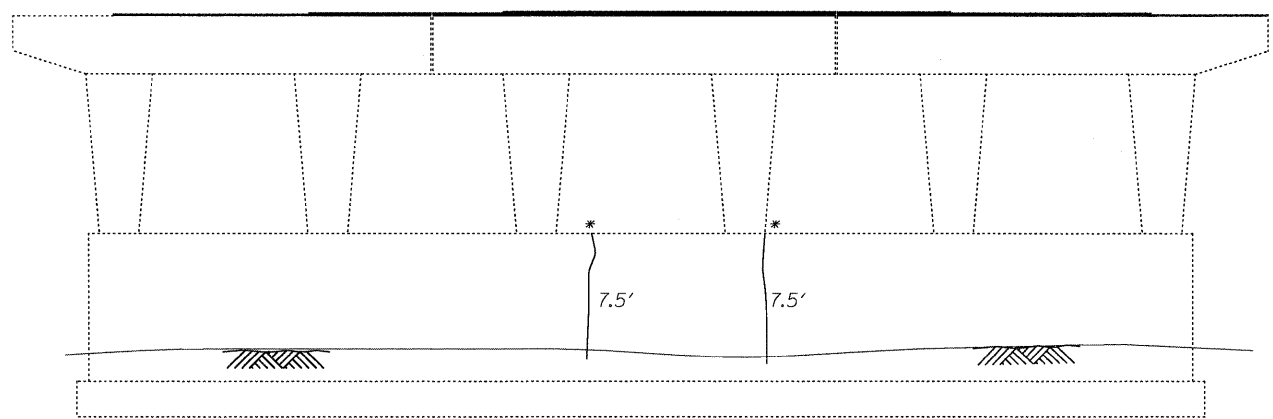
* Existing vertical reinforcement extending into the areas of new construction are to be cleaned, straightened and incorporated into the new construction. All reinforcement bars being reused that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

**BILL OF MATERIAL
TWO PIERS**

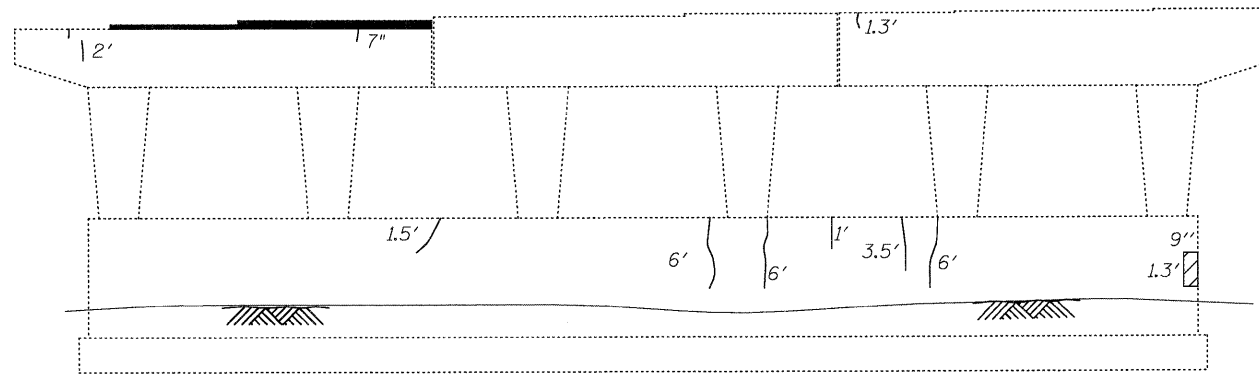
Material	Unit	Quantity
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	0.1
Epoxy Crack Injection	Ft.	59
Concrete Removal	Cu. Yd.	29.8

**PIER CONCRETE REMOVAL
AND REPAIR DETAILS WB LANES
STRUCTURE NO. 082-0162 (E.B.)
STRUCTURE NO. 082-0163 (W.B.)**

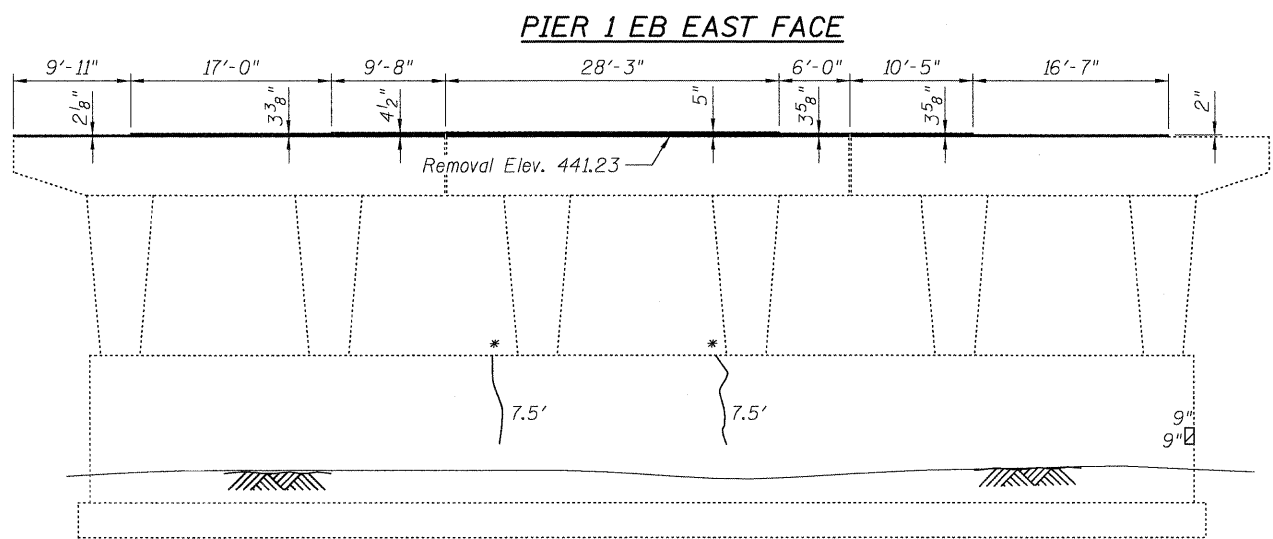
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004 SCALE DATE 1/09/09 DRAWN BY TFC CHECKED BY RM/MCB	SHEET NO. 57 59 SHEETS	F.A.I. RTE. 64 SECTION 82-2VB COUNTY ST. CLAIR CONTRACT NO. 76867	TOTAL SHEETS 153 SHEET NO. 112
	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			



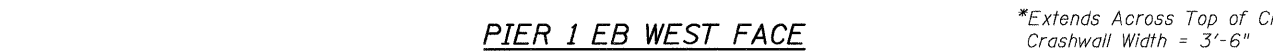
**N END CAP
PIER 1 EB**



PIER 2 EB EAST FACE

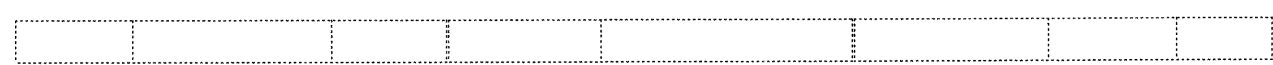


PIER 1 EB EAST FACE

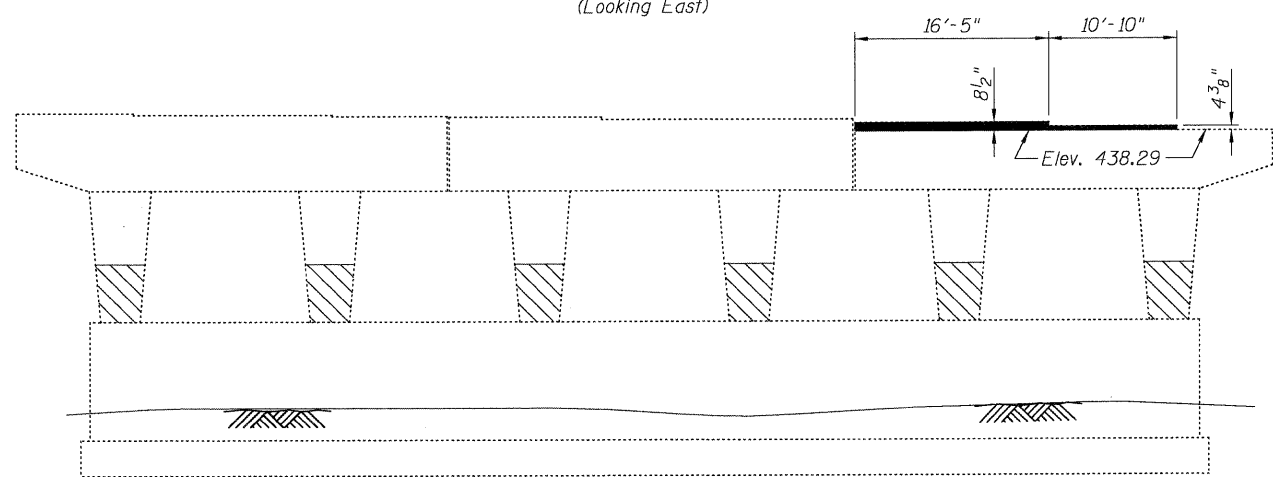


PIER 1 EB WEST FACE

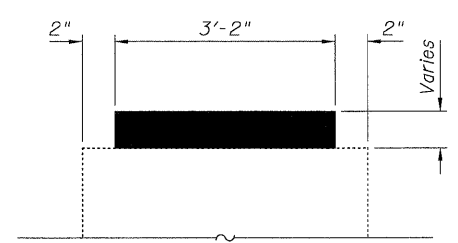
*Extends Across Top of Crashwall
Crashwall Width = 3'-6"



**TOP OF CAP
(Looking East)**








PIER 2 EB WEST FACE



VIEW A-A

LEGEND

-  Previous Wrap Repair
-  Denotes Structural Repair of Concrete (Depth Equal to or Less Than 5")
-  Denotes Structural Repair of Concrete (Depth Greater Than 5")
-  Denotes Concrete Removal
-  Denotes Epoxy Crack Injection

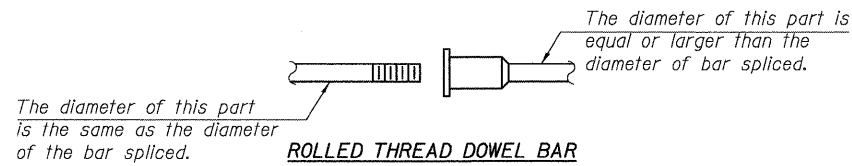
**BILL OF MATERIAL
TWO PIERS**

Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	1.8
Structural Repair of Concrete (Depth Greater Than 5")	Sq. Ft.	1.0
Epoxy Crack Injection	Ft.	65
Concrete Removal	Cu. Yd.	5.3

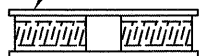
**PIER CONCRETE REMOVAL
AND REPAIR DETAILS EB LANES
STRUCTURE NO. 082-0162 (E.B.)
STRUCTURE NO. 082-0163 (W.B.)**

COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07004 SCALE DATE 1/09/09 DRAWN BY TFG CHECKED BY RM/MCB	SHEET NO. 58 59 SHEETS	F.A.I. RTE. 64 SECTION 82-2VB COUNTY ST. CLAIR CONTRACT NO. 76867	TOTAL SHEETS 153 SHEET NO. 113	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT
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USER NAME = CFC.

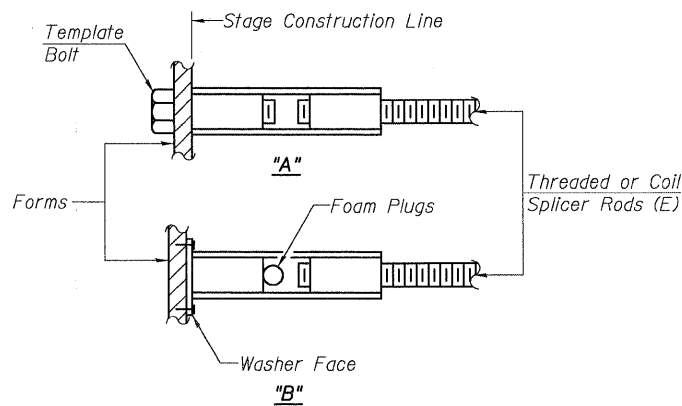


Wire Connector



BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

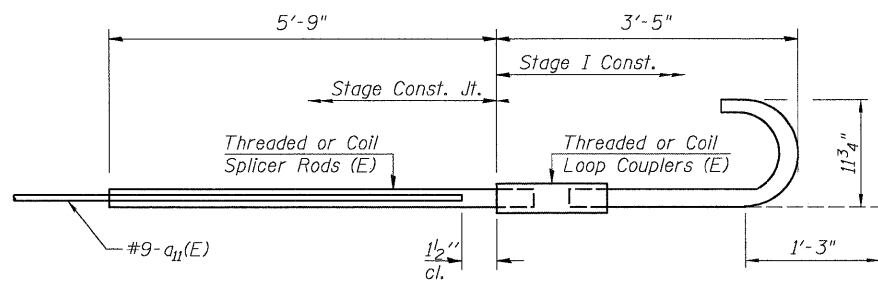
"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
 Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
 All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
 Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

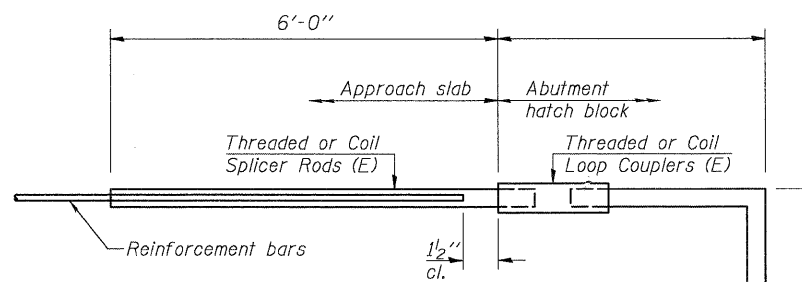
- ① Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_t$
 - ② Minimum *Pull-out Strength (Tension in kips) = $0.66 \times f_y \times A_t$
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_t = Tensile stress area of lapped reinforcement bars.
 * = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



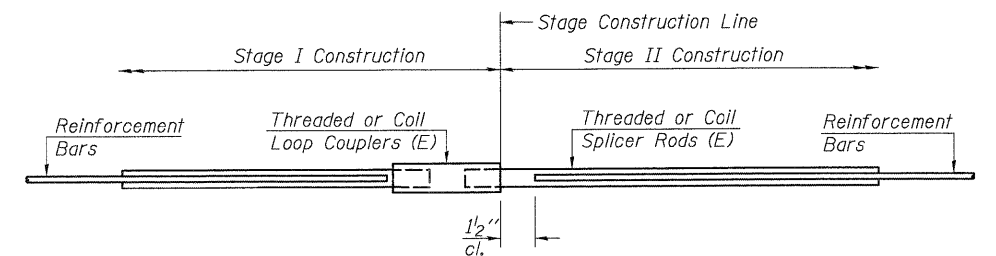
FOR STAGE I IN EDGE BEAM

Bar Splicer for #9 bar
Min. Capacity = 75.0 kips - tension
Min. Pull-out Strength = 39.6 kips - tension
No. Required = 12



FOR STUB ABUTMENTS

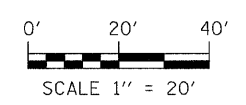
Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required = 99 (EB) 106 (WB)



STANDARD

Bar Size	No. Assemblies Required	Location
#5	1387	Deck (EB)
#5	1450	Deck (WB)
#9	10	Edge Beams (EB)
#9	10	Edge Beams (WB)
#5	28	Abuts (EB)
#6	8	Abuts (EB)
#5	32	Abuts (WB)
#6	8	Abuts (WB)

BAR SPLICER ASSEMBLY DETAILS
 STRUCTURE NO. 082-0162 (EB)
 STRUCTURE NO. 082-0163 (WB)

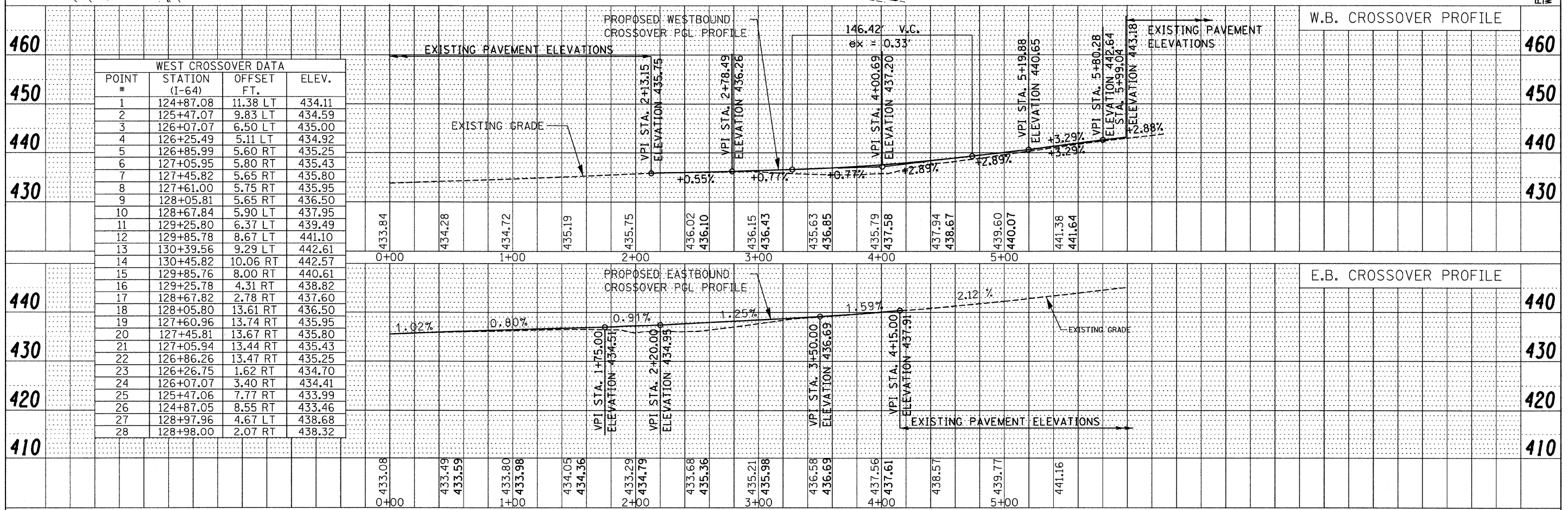
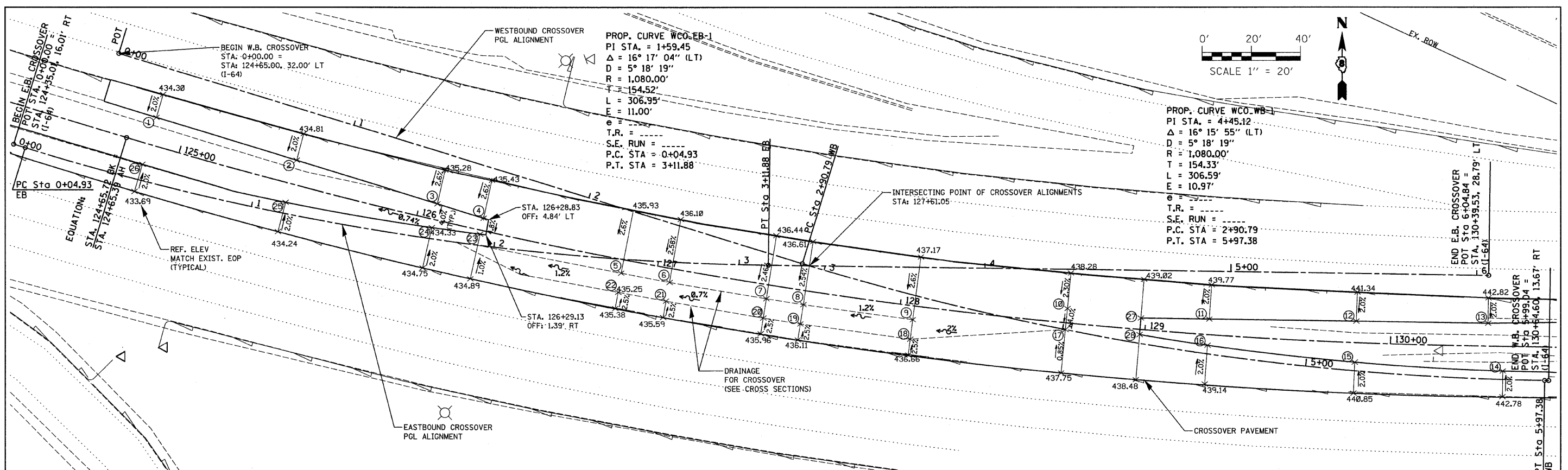


PROP. CURVE WCO-EB-1
 PI STA. = 1+59.45
 $\Delta = 16^\circ 17' 04''$ (LT)
 $D = 5^\circ 18' 19''$
 $R = 1,080.00'$
 $T = 154.52'$
 $L = 306.95'$
 $E = 11.00'$
 $\theta =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA = 0+04.93$
 $P.T. STA = 3+11.88$

PROP. CURVE WCO-WB-1
 PI STA. = 4+45.12
 $\Delta = 16^\circ 15' 55''$ (LT)
 $D = 5^\circ 18' 19''$
 $R = 1,080.00'$
 $T = 154.33'$
 $L = 306.59'$
 $E = 10.97'$
 $\theta =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA = 2+90.79$
 $P.T. STA = 5+97.38$

PLAN	SURVEYED	BY	DATE
	DESIGNED		
	CHECKED		
	NO. OF WAYS CHECKED		
	PAID FILE NAME		

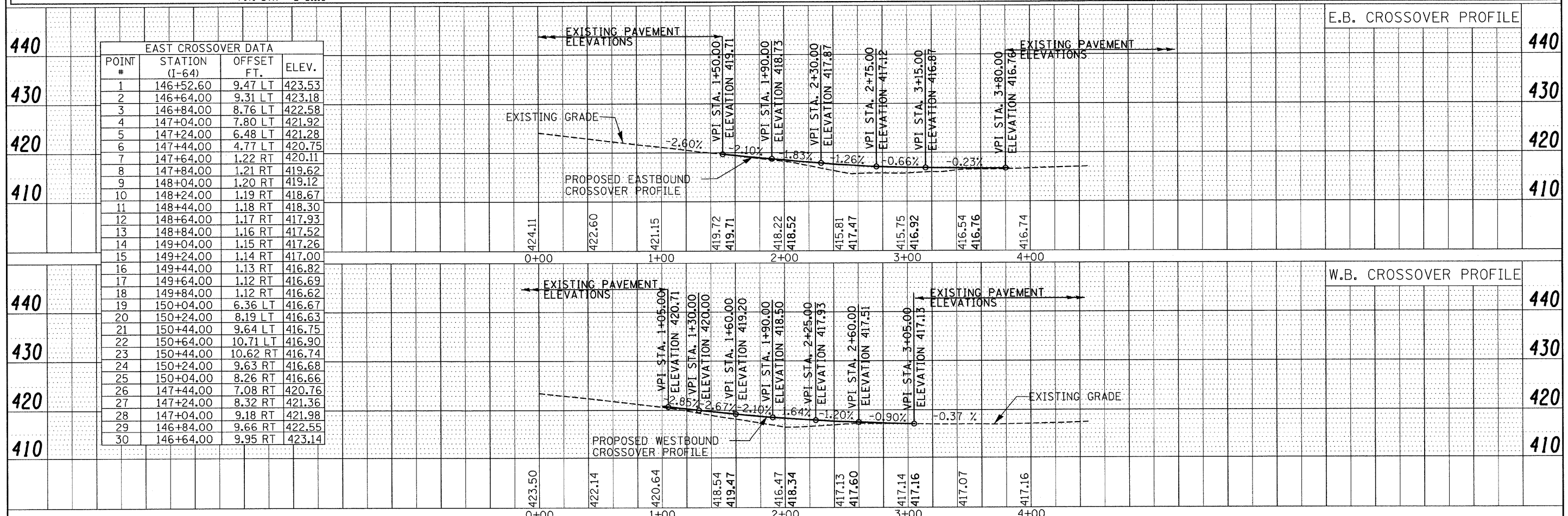
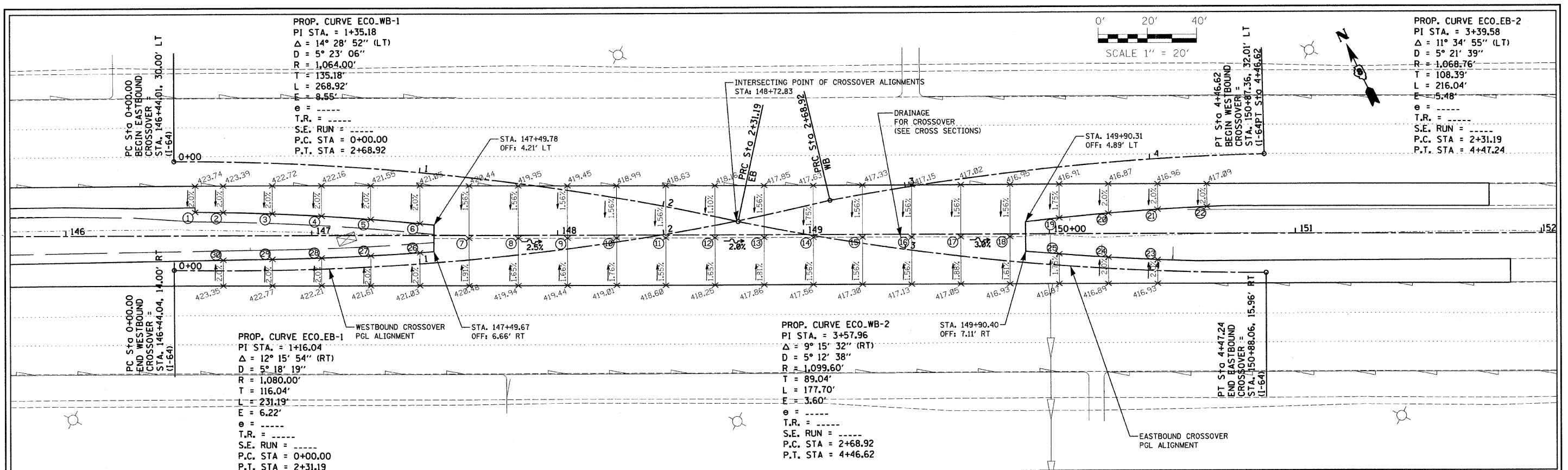
PROFILE	SURVEYED	BY	DATE
	DESIGNED		
	CHECKED		
	NO. OF WAYS CHECKED		
	STRUCTURE NOTATIONS CHRD		



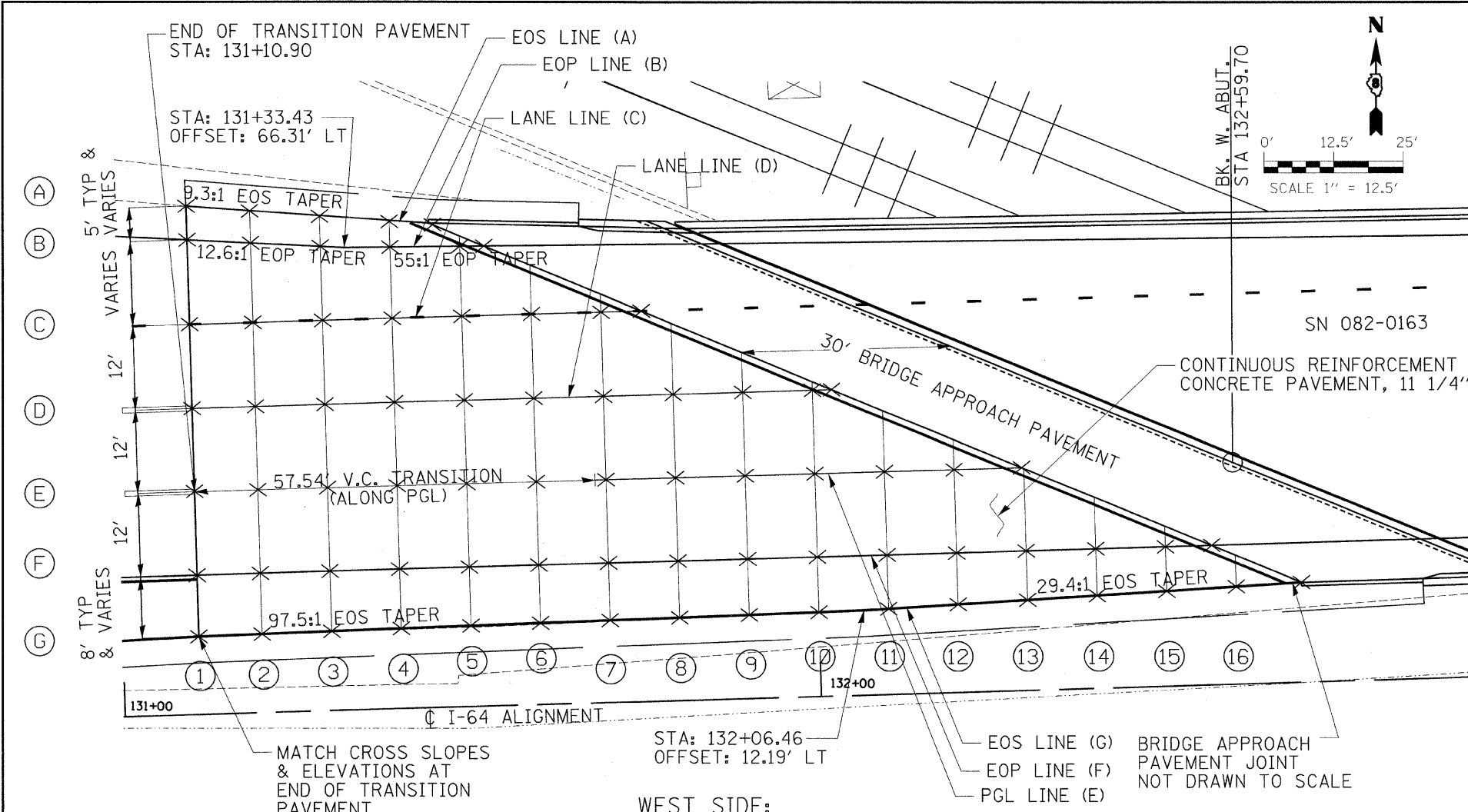
WEST CROSSOVER DATA			
POINT #	STATION (I-64)	OFFSET FT.	ELEV.
1	124+87.08	11.38 LT	434.11
2	125+47.07	9.83 LT	434.59
3	126+07.07	6.50 LT	435.00
4	126+25.49	5.11 LT	434.92
5	126+85.99	5.60 RT	435.25
6	127+05.95	5.80 RT	435.43
7	127+45.82	5.65 RT	435.80
8	127+61.00	5.75 RT	435.95
9	128+05.81	5.65 RT	436.50
10	128+67.84	5.90 LT	437.95
11	129+25.80	6.37 LT	439.49
12	129+85.78	8.67 LT	441.10
13	130+39.56	9.29 LT	442.61
14	130+45.82	10.06 RT	442.57
15	129+85.76	8.00 RT	440.61
16	129+25.78	4.31 RT	438.82
17	128+67.82	2.78 RT	437.60
18	128+05.80	13.61 RT	436.50
19	127+60.96	13.74 RT	435.95
20	127+45.81	13.67 RT	435.80
21	127+05.94	13.44 RT	435.43
22	126+86.26	13.47 RT	435.25
23	126+26.75	1.62 RT	434.70
24	126+07.07	3.40 RT	434.41
25	125+47.06	7.77 RT	433.99
26	124+87.05	8.55 RT	433.46
27	128+97.96	4.67 LT	438.68
28	128+98.00	2.07 RT	438.32

DATE: _____ BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 RT. OF WAY CHECKED: _____
 NO. _____
 CADD FILE NAME: _____

DATE: _____ BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 RT. OF WAY CHECKED: _____
 NO. _____
 STRUCTURE NOTATION: DRKD



EAST CROSSOVER DATA			
POINT #	STATION (I-64)	OFFSET FT.	ELEV.
1	146+52.60	9.47 LT	423.53
2	146+64.00	8.31 LT	423.18
3	146+84.00	7.76 LT	422.58
4	147+04.00	7.80 LT	421.92
5	147+24.00	6.48 LT	421.28
6	147+44.00	4.77 LT	420.75
7	147+64.00	1.22 RT	420.11
8	147+84.00	1.21 RT	419.62
9	148+04.00	1.20 RT	419.12
10	148+24.00	1.19 RT	418.67
11	148+44.00	1.18 RT	418.30
12	148+64.00	1.17 RT	417.93
13	148+84.00	1.16 RT	417.52
14	149+04.00	1.15 RT	417.26
15	149+24.00	1.14 RT	417.00
16	149+44.00	1.13 RT	416.82
17	149+64.00	1.12 RT	416.69
18	149+84.00	1.12 RT	416.62
19	150+04.00	6.36 LT	416.67
20	150+24.00	8.19 LT	416.63
21	150+44.00	9.64 LT	416.75
22	150+64.00	10.71 LT	416.90
23	150+84.00	10.62 RT	416.74
24	150+24.00	9.63 RT	416.68
25	150+04.00	8.26 RT	416.66
26	147+44.00	7.08 RT	420.76
27	147+24.00	8.32 RT	421.36
28	147+04.00	9.18 RT	421.98
29	146+84.00	9.66 RT	422.55
30	146+64.00	9.95 RT	423.14



WEST SIDE: WB TRANSITION PAVT EOS LINE (A)

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	131+10.90	72.98' LT	443.94
2	131+20.00	72.00' LT	444.50
3	131+30.00	70.92' LT	444.77
4	131+40.00	69.84' LT	445.05
*	131+46.20	69.17' LT	445.22

WEST SIDE: WB TRANSITION PAVT EOP LINE (B)

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	131+10.90	68.10' LT	444.33
2	131+20.00	67.38' LT	444.60
3	131+30.00	66.58' LT	444.87
4	131+40.00	66.19' LT	445.12
5	131+50.00	66.00' LT	445.37
*	131+53.47	65.94' LT	445.46

WEST SIDE: WB TRANSITION PAVT LANE LINE (C)

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	131+10.90	56.00' LT	444.57
2	131+20.00	56.00' LT	444.84
3	131+30.00	56.00' LT	445.09
4	131+40.00	56.00' LT	445.33
5	131+50.00	56.00' LT	445.58
6	131+60.00	56.00' LT	445.81
7	131+70.00	56.00' LT	446.05
*	131+75.79	56.00' LT	446.20

WEST SIDE: WB TRANSITION PAVT PGL LINE (D)

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	131+10.90	44.00' LT	444.78
2	131+20.00	44.00' LT	445.03
3	131+30.00	44.00' LT	445.30
4	131+40.00	44.00' LT	445.55
5	131+50.00	44.00' LT	445.80
6	131+60.00	44.00' LT	446.05
7	131+70.00	44.00' LT	446.29
8	131+80.00	44.00' LT	446.54
9	131+90.00	44.00' LT	446.78
10	132+00.00	44.00' LT	447.01
*	132+02.74	44.00' LT	447.07

WEST SIDE: WB TRANSITION PAVT LANE LINE (E)

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	131+10.90	32.00' LT	444.92
2	131+20.00	32.00' LT	445.18
3	131+30.00	32.00' LT	445.45
4	131+40.00	32.00' LT	445.71
5	131+50.00	32.00' LT	445.97
6	131+60.00	32.00' LT	446.22
7	131+70.00	32.00' LT	446.47
8	131+80.00	32.00' LT	446.72
9	131+90.00	32.00' LT	446.96
10	132+00.00	32.00' LT	447.19
11	132+10.00	32.00' LT	447.42
12	132+20.00	32.00' LT	447.64
*	132+29.70	32.00' LT	447.85

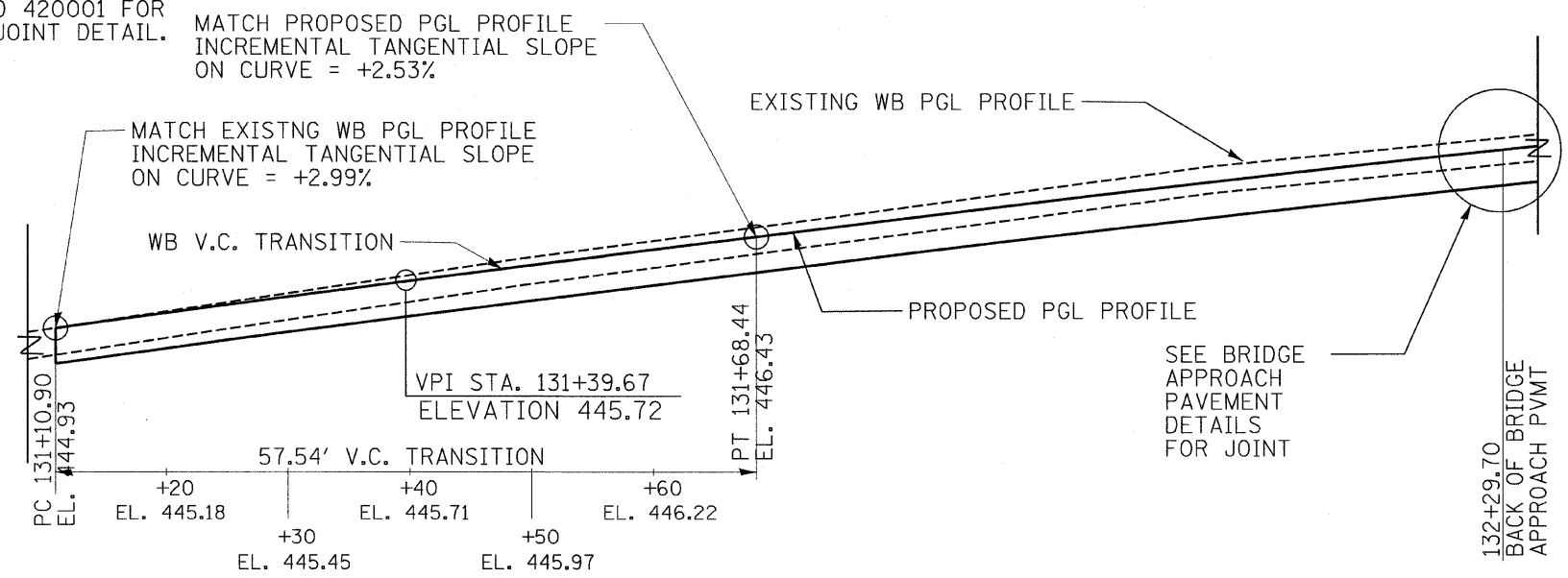
WEST SIDE: WB TRANSITION PAVT EOP LINE (F)

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	131+10.90	20.00' LT	444.79
2	131+20.00	20.00' LT	445.02
3	131+30.00	20.00' LT	445.29
4	131+40.00	20.00' LT	445.55
5	131+50.00	20.00' LT	445.80
6	131+60.00	20.00' LT	446.05
7	131+70.00	20.00' LT	446.29
8	131+80.00	20.00' LT	446.54
9	131+90.00	20.00' LT	446.78
10	132+00.00	20.00' LT	447.01
11	132+10.00	20.00' LT	447.24
12	132+20.00	20.00' LT	447.46
13	132+30.00	20.00' LT	447.67
14	132+40.00	20.00' LT	447.88
15	132+50.00	20.00' LT	448.08
*	132+56.65	20.00' LT	448.20

WEST SIDE: WB TRANSITION PAVT EOS LINE (G)

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	131+10.90	11.21' LT	444.54
2	131+20.00	11.30' LT	444.85
3	131+30.00	11.41' LT	445.11
4	131+40.00	11.51' LT	445.38
5	131+50.00	11.61' LT	445.63
6	131+60.00	11.71' LT	445.88
7	131+70.00	11.82' LT	446.12
8	131+80.00	11.92' LT	446.38
9	131+90.00	12.02' LT	446.62
10	132+00.00	12.12' LT	446.85
11	132+10.00	12.31' LT	447.09
12	132+20.00	12.65' LT	447.31
13	132+30.00	12.99' LT	447.53
14	132+40.00	13.33' LT	447.75
15	132+50.00	13.67' LT	447.96
16	132+60.00	14.01' LT	448.15
*	132+69.38	14.33' LT	448.33

NOTE: SEE STANDARD 420001 FOR TRANSVERSE JOINT DETAIL. MATCH PROPOSED PGL PROFILE INCREMENTAL TANGENTIAL SLOPE ON CURVE = +2.53%.



WEST SIDE: W.B. TRANSITION PAVEMENT PROFILE

PROFILE: NOT TO SCALE

* BACK OF BRIDGE APPROACH PAVEMENT

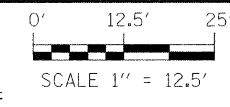
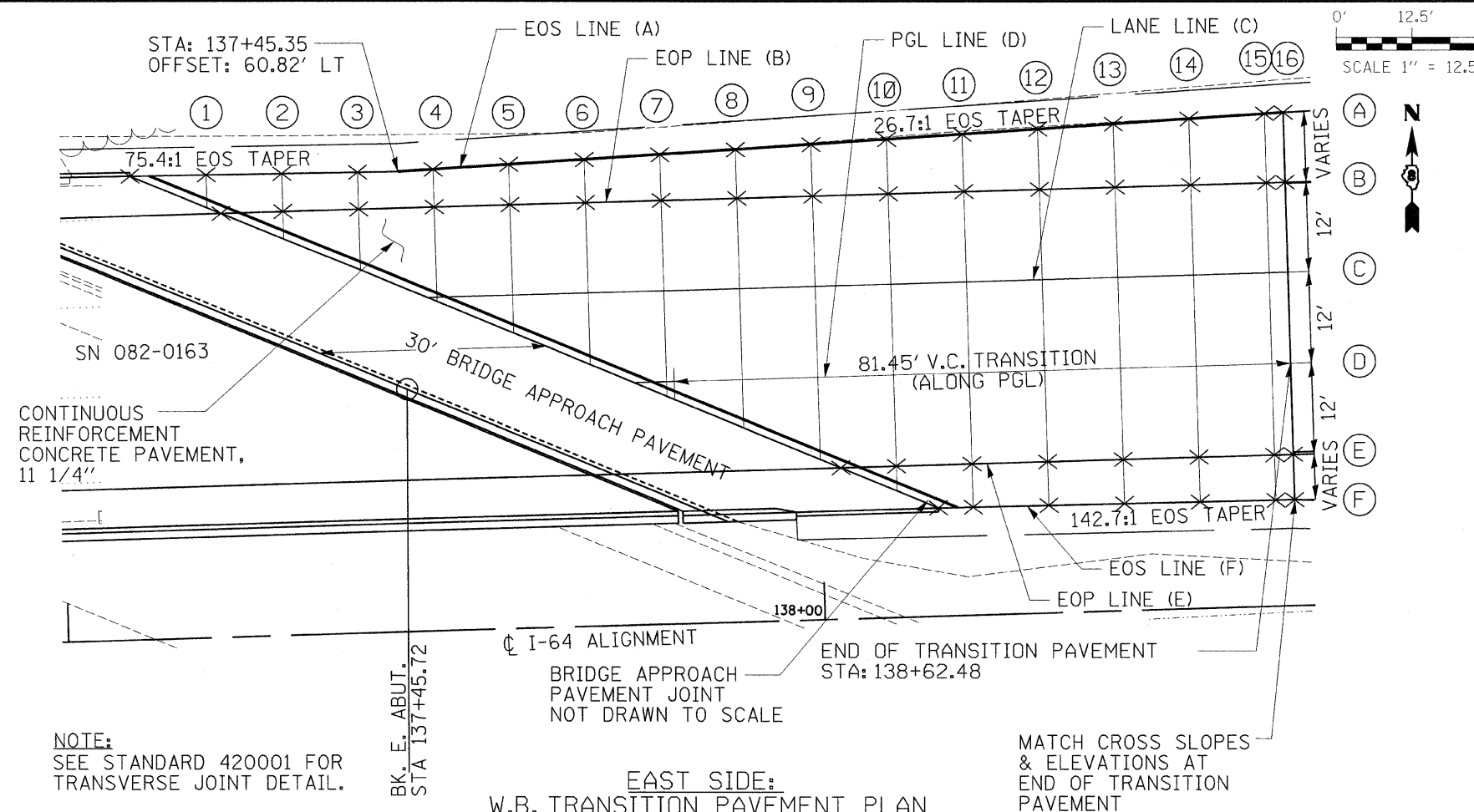
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PLOT SCALE = 50.0000' / IN.		CHECKED - SJK	REVISED -
PLOT DATE = 8/6/2009		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAIL
WESTBOUND TRANSITION PAVEMENT PROFILE A

SCALE: 1:25	SHEET NO. 1 OF 4 SHEETS	STA. 131+10.90 TO STA. 132+69.01
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F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	117
CONTRACT NO. 76867				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				



EAST SIDE: WB TRANSITION PAVT EOS LINE (A)

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
*	137+09.46	61.29' LT	449.31
1	137+20.00	61.16' LT	449.18
2	137+30.00	61.03' LT	449.04
3	137+40.00	60.89' LT	448.89
4	137+50.00	61.00' LT	448.74
5	137+60.00	61.37' LT	448.58
6	137+70.00	61.75' LT	448.4
7	137+80.00	62.12' LT	448.22
8	137+90.00	62.49' LT	448.05
9	138+00.00	62.87' LT	447.9
10	138+10.00	63.24' LT	447.72
11	138+20.00	63.61' LT	447.54
12	138+30.00	63.99' LT	447.36
13	138+40.00	64.36' LT	447.16
14	138+50.00	64.73' LT	446.96
15	138+60.00	65.11' LT	446.76
16	138+62.48	65.20' LT	446.54

EAST SIDE: WB TRANSITION PAVT EOP LINE (B)

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
*	137+21.81	56.00' LT	449.26
2	137+30.00	56.00' LT	449.14
3	137+40.00	56.00' LT	448.99
4	137+50.00	56.00' LT	448.84
5	137+60.00	56.00' LT	448.68
6	137+70.00	56.00' LT	448.52
7	137+80.00	56.00' LT	448.34
8	137+90.00	56.00' LT	448.18
9	138+00.00	56.00' LT	448.03
10	138+10.00	56.00' LT	447.86
11	138+20.00	56.00' LT	447.69
12	138+30.00	56.00' LT	447.52
13	138+40.00	56.00' LT	447.33
14	138+50.00	56.00' LT	447.14
15	138+60.00	56.00' LT	446.94
16	138+62.48	56.00' LT	446.89

EAST SIDE: WB TRANSITION PAVT LANE LINE (C)

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
*	137+48.76	44.00' LT	449.10
4	137+50.00	44.00' LT	449.08
5	137+60.00	44.00' LT	448.92
6	137+70.00	44.00' LT	448.76
7	137+80.00	44.00' LT	448.58
8	137+90.00	44.00' LT	448.42
9	138+00.00	44.00' LT	448.25
10	138+10.00	44.00' LT	448.07
11	138+20.00	44.00' LT	447.89
12	138+30.00	44.00' LT	447.7
13	138+40.00	44.00' LT	447.5
14	138+50.00	44.00' LT	447.3
15	138+60.00	44.00' LT	447.08
16	138+62.48	44.00' LT	447.03

EAST SIDE: WB TRANSITION PAVT PGL LINE (D)

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
*	137+75.72	32.00' LT	448.83
7	137+80.00	32.00' LT	448.76
8	137+90.00	32.00' LT	448.57
9	138+00.00	32.00' LT	448.36
10	138+10.00	32.00' LT	448.15
11	138+20.00	32.00' LT	447.93
12	138+30.00	32.00' LT	447.71
13	138+40.00	32.00' LT	447.47
14	138+50.00	32.00' LT	447.24
15	138+60.00	32.00' LT	446.99
16	138+62.48	32.00' LT	446.92

EAST SIDE: WB TRANSITION PAVT EOP LINE (E)

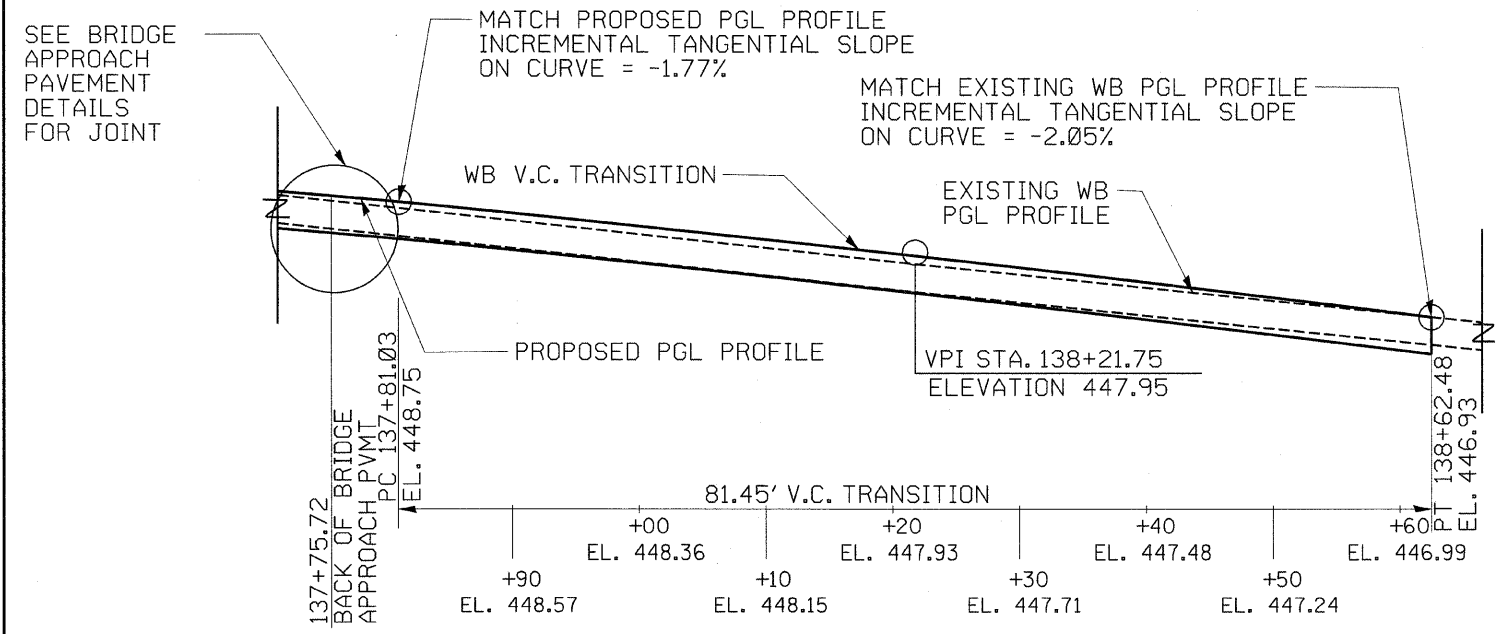
POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
*	138+02.67	20.00' LT	448.09
10	138+10.00	20.00' LT	447.92
11	138+20.00	20.00' LT	447.69
12	138+30.00	20.00' LT	447.45
13	138+40.00	20.00' LT	447.20
14	138+50.00	20.00' LT	446.95
15	138+60.00	20.00' LT	446.69
16	138+62.48	20.00' LT	446.63

EAST SIDE: WB TRANSITION PAVT EOS LINE (F)

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
*	138+15.40	14.33' LT	447.69
11	138+20.00	14.30' LT	447.58
12	138+30.00	14.23' LT	447.34
13	138+40.00	14.16' LT	447.09
14	138+50.00	14.09' LT	446.83
15	138+60.00	14.02' LT	446.57
16	138+62.48	14.00' LT	446.30

NOTE:
SEE STANDARD 420001 FOR TRANSVERSE JOINT DETAIL.

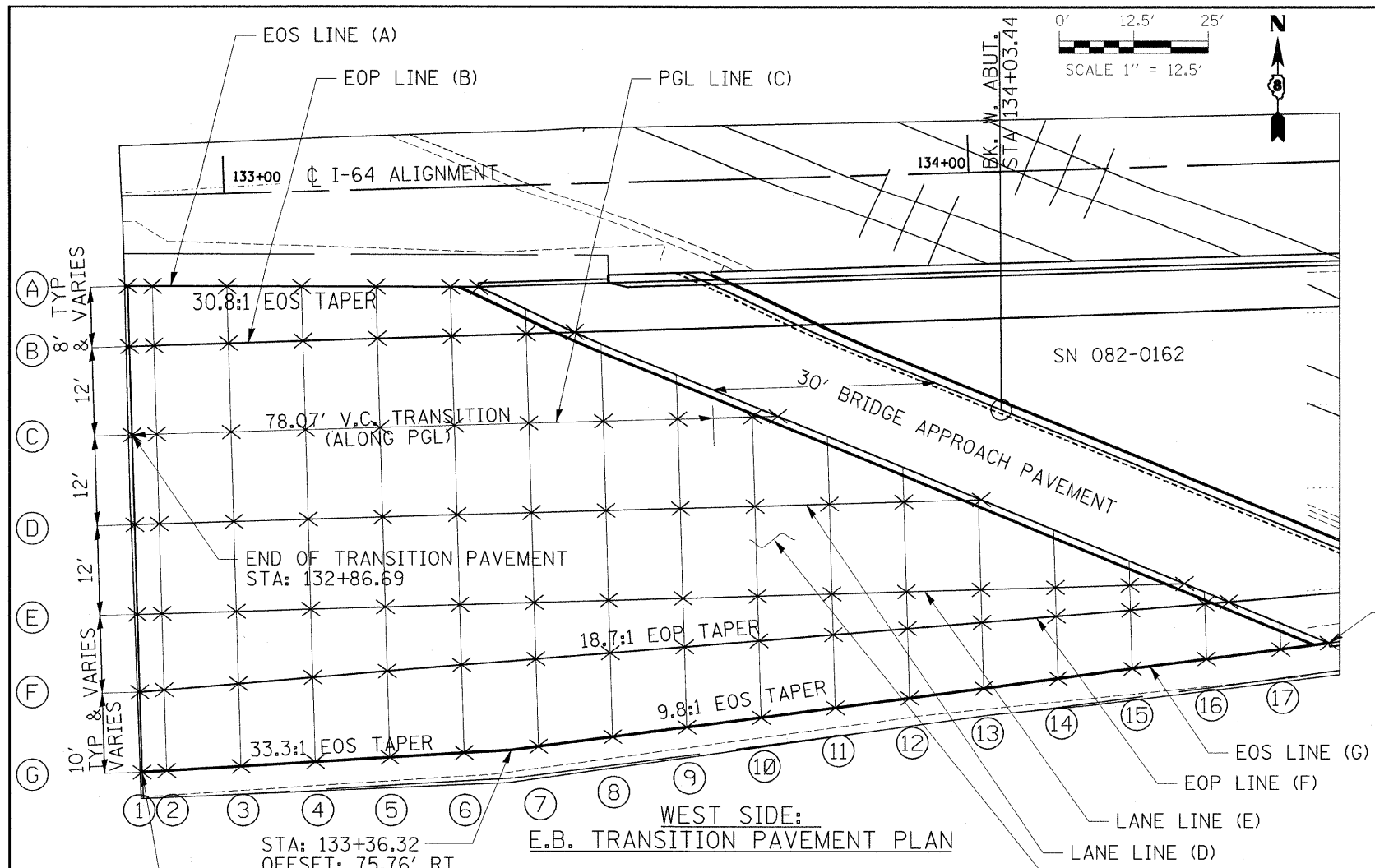
EAST SIDE: W.B. TRANSITION PAVEMENT PLAN



EAST SIDE: W.B. TRANSITION PAVEMENT PROFILE

PROFILE: NOT TO SCALE

*BACK OF BRIDGE APPROACH PAVEMENT



WEST SIDE: EB TRANSITION PAVT EOS LINE (A)			
POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	132+86.69	12.80' RT	448.35
2	132+90.00	12.90' RT	448.73
3	133+00.00	13.23' RT	448.89
4	133+10.00	13.56' RT	449.04
5	133+20.00	13.88' RT	449.19
6	133+30.00	14.21' RT	449.33
*	133+33.76	14.33' RT	449.38

WEST SIDE: EB TRANSITION PAVT EOP LINE (B)			
POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	132+86.69	20.00' RT	448.81
2	132+90.00	20.00' RT	448.87
3	133+00.00	20.00' RT	449.03
4	133+10.00	20.00' RT	449.17
5	133+20.00	20.00' RT	449.31
6	133+30.00	20.00' RT	449.45
7	133+40.00	20.00' RT	449.58
*	133+46.49	20.00' RT	449.66

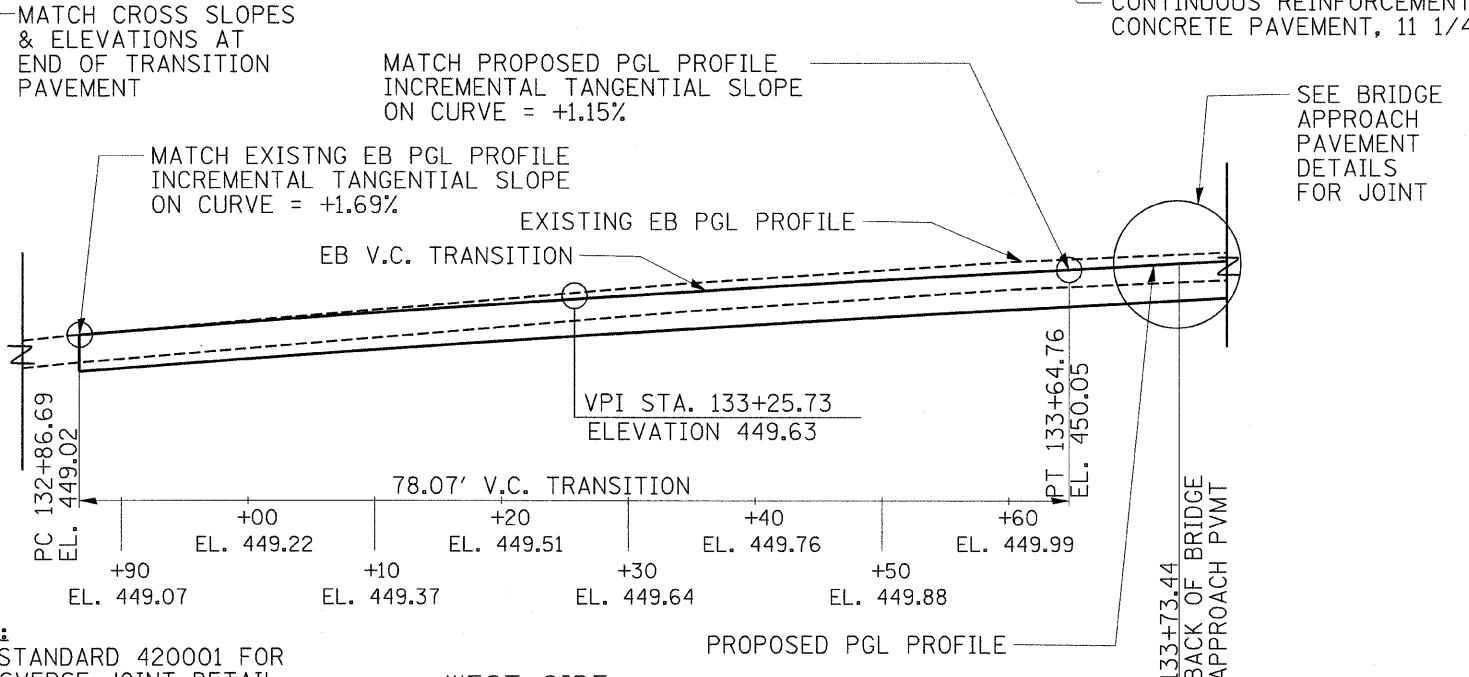
WEST SIDE: EB TRANSITION PAVT PGL LINE (C)			
POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	132+86.69	32.00' RT	449.01
2	132+90.00	32.00' RT	449.05
3	133+00.00	32.00' RT	449.23
4	133+10.00	32.00' RT	449.37
5	133+20.00	32.00' RT	449.51
6	133+30.00	32.00' RT	449.64
7	133+40.00	32.00' RT	449.76
8	133+50.00	32.00' RT	449.88
9	133+60.00	32.00' RT	449.99
10	133+70.00	32.00' RT	450.10
*	133+73.44	32.00' RT	450.14

WEST SIDE: EB TRANSITION PAVT LANE LINE (D)			
POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	132+86.69	44.00' RT	448.87
2	132+90.00	44.00' RT	448.90
3	133+00.00	44.00' RT	449.07
4	133+10.00	44.00' RT	449.21
5	133+20.00	44.00' RT	449.35
6	133+30.00	44.00' RT	449.47
7	133+40.00	44.00' RT	449.59
8	133+50.00	44.00' RT	449.71
9	133+60.00	44.00' RT	449.82
10	133+70.00	44.00' RT	449.92
11	133+80.00	44.00' RT	450.03
12	133+90.00	44.00' RT	450.13
*	134+00.40	44.00' RT	450.23

WEST SIDE: EB TRANSITION PAVT LANE LINE (E)			
POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	132+86.69	56.00' RT	448.71
2	132+90.00	56.00' RT	448.74
3	133+00.00	56.00' RT	448.90
4	133+10.00	56.00' RT	449.03
5	133+20.00	56.00' RT	449.15
6	133+30.00	56.00' RT	449.27
7	133+40.00	56.00' RT	449.38
8	133+50.00	56.00' RT	449.48
9	133+60.00	56.00' RT	449.58
10	133+70.00	56.00' RT	449.68
11	133+80.00	56.00' RT	449.79
12	133+90.00	56.00' RT	449.89
13	134+00.00	56.00' RT	449.98
14	134+10.00	56.00' RT	450.07
15	134+20.00	56.00' RT	450.15
*	134+27.35	56.00' RT	450.21

WEST SIDE: EB TRANSITION PAVT EOP LINE (F)			
POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	132+86.69	66.46' RT	448.47
2	132+90.00	66.28' RT	448.54
3	133+00.00	65.75' RT	448.75
4	133+10.00	65.21' RT	448.88
5	133+20.00	64.68' RT	449.01
6	133+30.00	64.14' RT	449.13
7	133+40.00	63.60' RT	449.24
8	133+50.00	63.07' RT	449.35
9	133+60.00	62.53' RT	449.46
10	133+70.00	62.00' RT	449.56
11	133+80.00	61.46' RT	449.68
12	133+90.00	60.93' RT	449.79
13	134+00.00	60.39' RT	449.89
14	134+10.00	59.86' RT	450.00
15	134+20.00	59.32' RT	450.09
16	134+30.00	58.79' RT	450.17
*	134+33.22	58.61' RT	450.20

WEST SIDE: EB TRANSITION PAVT EOS LINE (G)							
POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.	POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
1	132+86.69	77.25' RT	448.41	10	133+70.00	72.32' RT	449.35
2	132+90.00	77.15' RT	448.45	11	133+80.00	71.31' RT	449.48
3	133+00.00	76.85' RT	448.58	12	133+90.00	70.29' RT	449.61
4	133+10.00	76.55' RT	448.69	13	134+00.00	69.27' RT	449.72
5	133+20.00	76.25' RT	448.81	14	134+10.00	68.25' RT	449.83
6	133+30.00	75.95' RT	448.92	15	134+20.00	67.23' RT	449.93
7	133+40.00	75.38' RT	449.03	16	134+30.00	66.21' RT	450.02
8	133+50.00	74.36' RT	449.13	17	134+40.00	65.19' RT	450.11
9	133+60.00	73.34' RT	449.24	*	134+46.51	64.53' RT	450.16

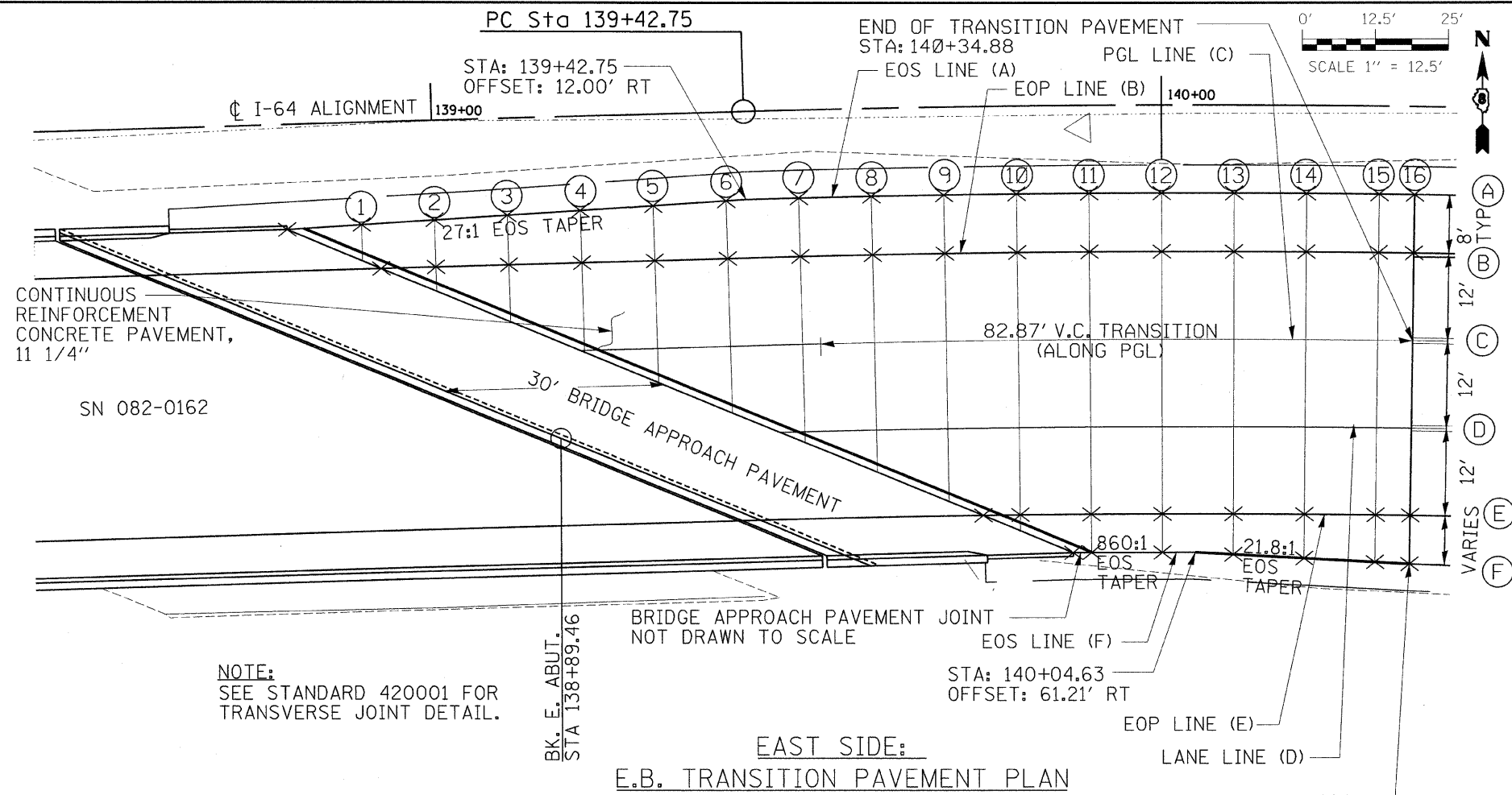


NOTE:
SEE STANDARD 420001 FOR TRANSVERSE JOINT DETAIL.

WEST SIDE:
E.B. TRANSITION PAVEMENT PROFILE

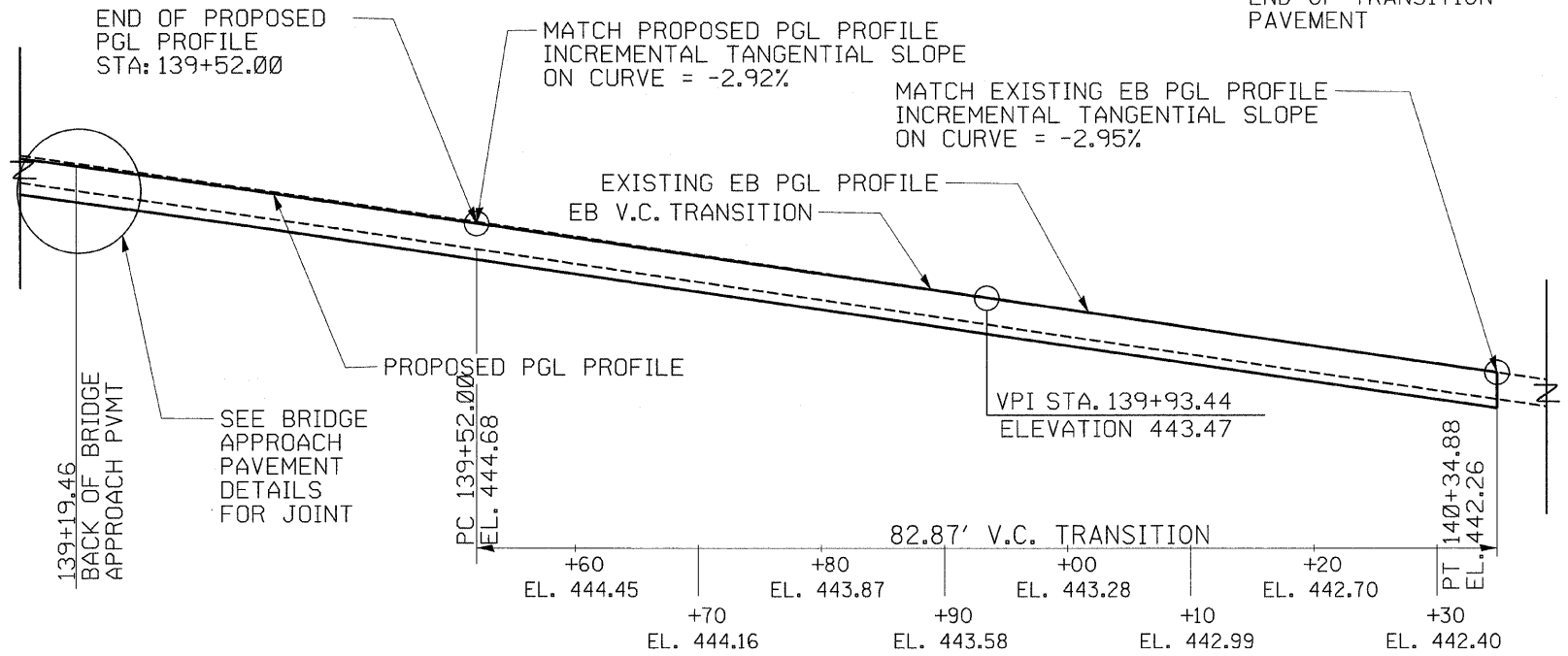
PROFILE: NOT TO SCALE

*BACK OF BRIDGE APPROACH PAVEMENT



NOTE:
SEE STANDARD 420001 FOR
TRANSVERSE JOINT DETAIL.

EAST SIDE:
E.B. TRANSITION PAVEMENT PLAN



EAST SIDE:
E.B. TRANSITION PAVEMENT PROFILE

PROFILE: NOT TO SCALE

*BACK OF BRIDGE APPROACH PAVEMENT

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
*	138+79.78	14.33' RT	446.35
1	138+90.00	13.95' RT	446.17
2	139+00.00	13.58' RT	445.90
3	139+10.00	13.21' RT	445.61
4	139+20.00	12.84' RT	445.33
5	139+30.00	12.47' RT	445.03
6	139+40.00	12.10' RT	444.70
7	139+50.00	12.00' RT	444.43
8	139+60.00	12.00' RT	444.16
9	139+70.00	12.00' RT	443.88
10	139+80.00	12.00' RT	443.63
11	139+90.00	12.00' RT	443.38
12	140+00.00	12.00' RT	443.15
13	140+10.00	12.00' RT	442.90
14	140+20.00	12.00' RT	442.61
15	140+30.00	12.00' RT	442.34
16	140+34.88	12.00' RT	442.21

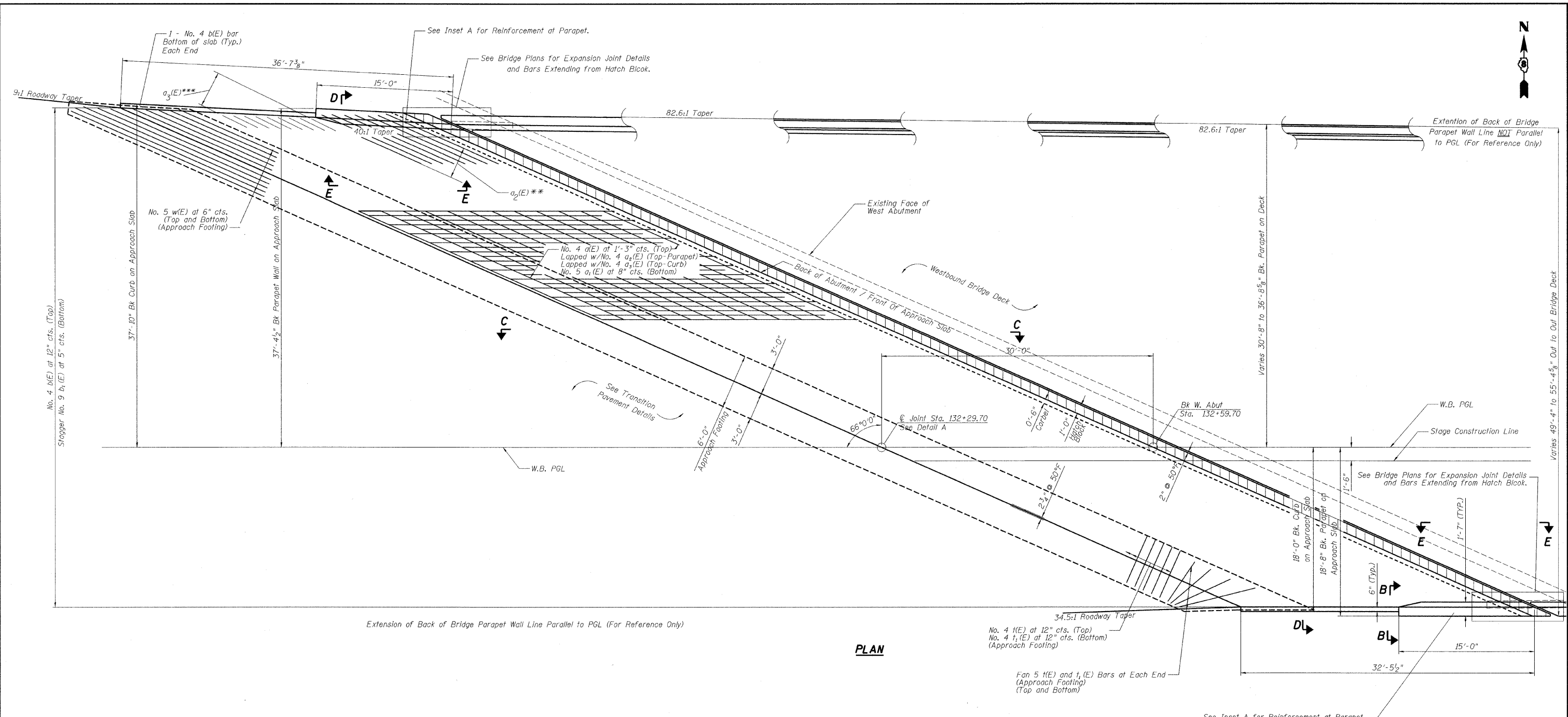
POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
*	138+92.51	20.00' RT	446.15
2	139+00.00	20.00' RT	445.95
3	139+10.00	20.00' RT	445.69
4	139+20.00	20.00' RT	445.42
5	139+30.00	20.00' RT	445.14
6	139+40.00	20.00' RT	444.86
7	139+50.00	20.00' RT	444.56
8	139+60.00	20.00' RT	444.30
9	139+70.00	20.00' RT	444.05
10	139+80.00	20.00' RT	443.81
11	139+90.00	20.00' RT	443.56
12	140+00.00	20.00' RT	443.31
13	140+10.00	20.00' RT	443.06
14	140+20.00	20.00' RT	442.81
15	140+30.00	20.00' RT	442.56
16	140+34.88	20.00' RT	442.44

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
*	139+19.46	32.00' RT	445.61
4	139+20.00	32.00' RT	445.60
5	139+30.00	32.00' RT	445.32
6	139+40.00	32.00' RT	445.04
7	139+50.00	32.00' RT	444.74
8	139+60.00	32.00' RT	444.45
9	139+70.00	32.00' RT	444.16
10	139+80.00	32.00' RT	443.87
11	139+90.00	32.00' RT	443.58
12	140+00.00	32.00' RT	443.29
13	140+10.00	32.00' RT	442.99
14	140+20.00	32.00' RT	442.70
15	140+30.00	32.00' RT	442.41
16	140+34.88	32.00' RT	442.27

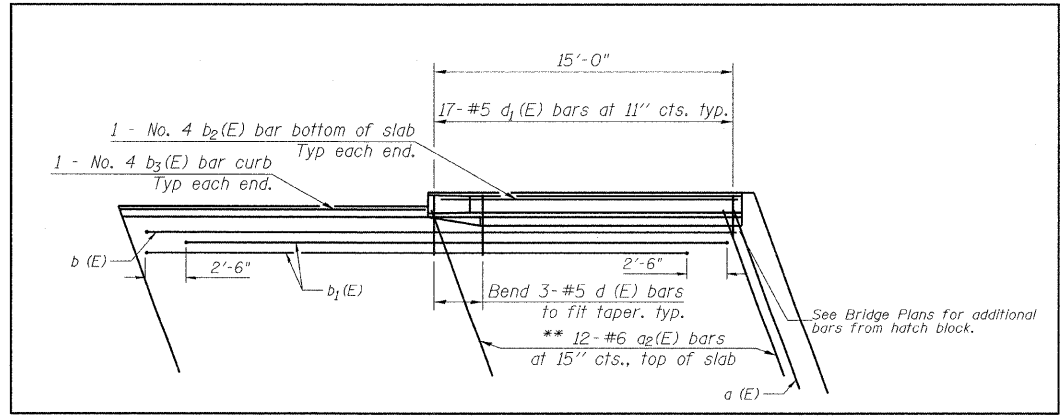
POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
*	139+46.50	44.00' RT	444.66
7	139+50.00	44.00' RT	444.56
8	139+60.00	44.00' RT	444.27
9	139+70.00	44.00' RT	443.97
10	139+80.00	44.00' RT	443.67
11	139+90.00	44.00' RT	443.37
12	140+00.00	44.00' RT	443.07
13	140+10.00	44.00' RT	442.77
14	140+20.00	44.00' RT	442.47
15	140+30.00	44.00' RT	442.17
16	140+34.88	44.00' RT	442.02

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
*	139+74.79	56.00' RT	443.59
10	139+80.00	56.00' RT	443.44
11	139+90.00	56.00' RT	443.14
12	140+00.00	56.00' RT	442.85
13	140+10.00	56.00' RT	442.55
14	140+20.00	56.00' RT	442.26
15	140+30.00	56.00' RT	441.96
16	140+34.88	56.00' RT	441.82

POINT #	STATION (I-64)	OFFSET FT. (LT/RT)	ELEV.
*	139+87.43	61.19' RT	443.11
11	139+90.00	61.21' RT	442.97
12	140+00.00	61.22' RT	442.71
13	140+10.00	61.49' RT	442.44
14	140+20.00	61.97' RT	442.14
15	140+30.00	62.42' RT	441.83
16	140+34.88	62.60' RT	441.20



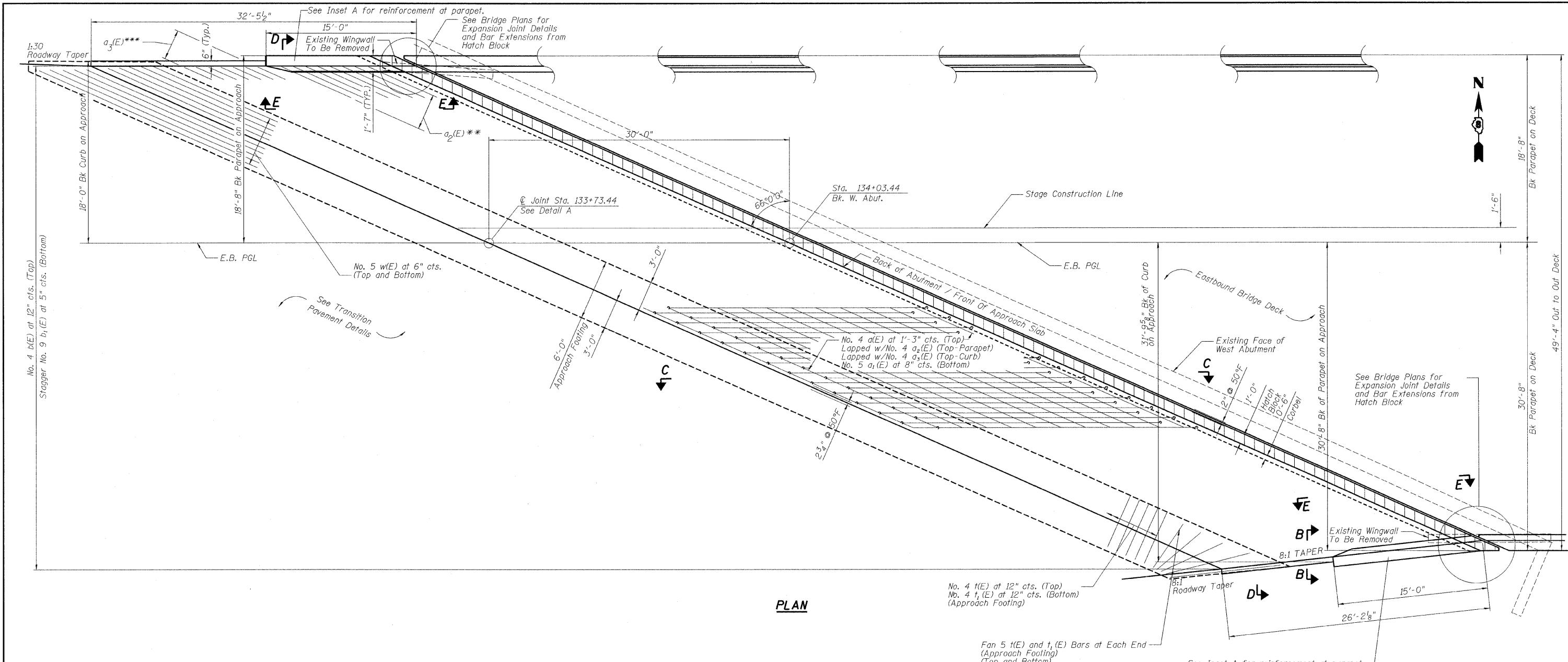
PLAN



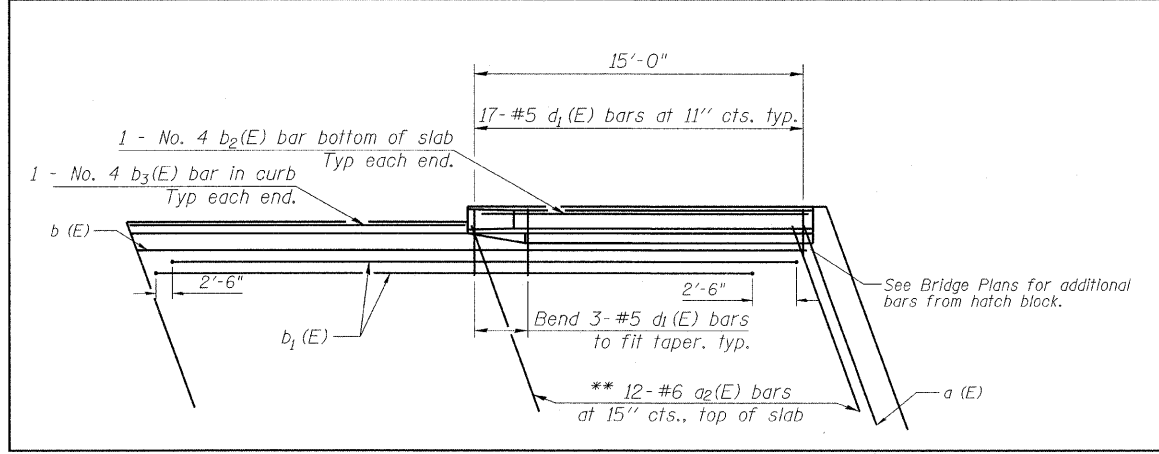
INSET A

Notes:
 See Sheet 5 of 5 for Sections B-B, C-C, D-D, and E-E.
 See Sheet 11 of 59 of Bridge Plans for Top of Slab Elevations.
 See Sheet 38 of 59 of Bridge Plans for Wingwall Removal.
 * Till #9 b1(E) bars as required to maintain clearance.
 ** Alternate with a(E) bars, typ. each parapet.
 *** Alternate with a(E) bars, typ. each curb.

FILE NAME = P:\060601B\vdgn\CADD Sheets\0876876-sht	USER NAME = mschwarz-john	DESIGNED - DRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS - BRIDGE APPROACH PAVEMENT (SPECIAL) WESTBOUND WEST SIDE - STRUCTURE NO. 082-0163	F.A.I. RTE. 64	SECTION 82-2VB-2	COUNTY ST. CLAIR	TOTAL SHEETS 153	SHEET NO. 121	
PLOT SCALE = 5.1944 ' / IN.	CHECKED - SJK	REVISED -	REVISED -			SCALE:	SHEET NO. 1 OF 5 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 8	ILLINOIS FED. AID PROJECT
PLOT DATE = 8/6/2009	DATE -	REVISED -	REVISED -								



PLAN



INSET A

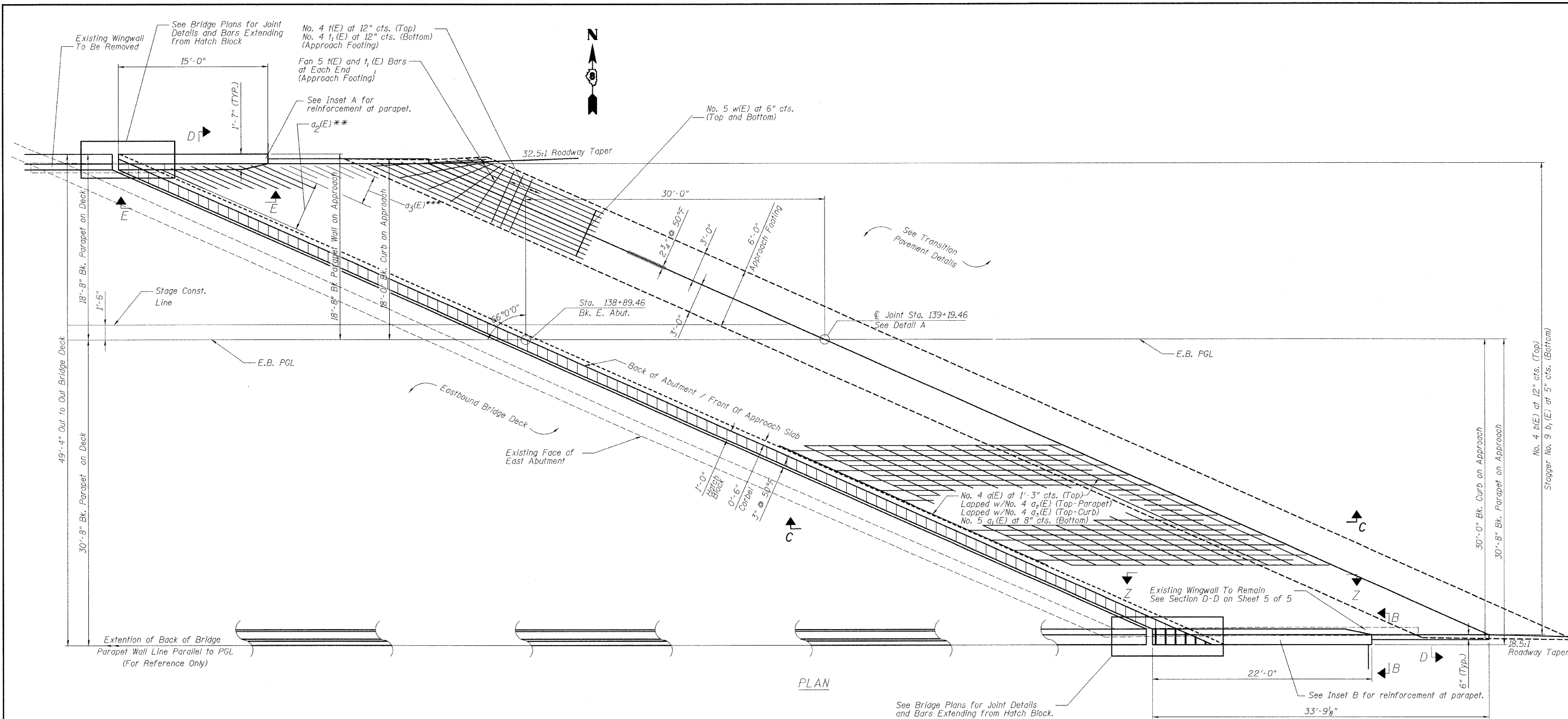
Notes:
 See Sheet 5 of 5 for Sections B-B, C-C, D-D, and E-E.
 See Sheet 18 of 59 of Bridge Plans for Top of Slab Elevations.
 See Sheet 40 of 59 of Bridge Plans for Wingwall Removal.
 * Tilt #9 b₁(E) bars as required to maintain clearance.
 ** Alternate with a(E) bars, typ. each parapet.
 *** Alternate with a(E) bars, typ. each curb.

FILE NAME =	USER NAME = mschwierjohn	DESIGNED - DRB	REVISED -
PA\0606018\dgn\CADD Sheets\0876876-sht-Details.approach pvmt (special)-003.dgn		DRAWN - DRB	REVISED -
PLOT SCALE = 4.7222' / IN.		CHECKED - SJK	REVISED -
PLOT DATE = 8/6/2009		DATE -	REVISED -

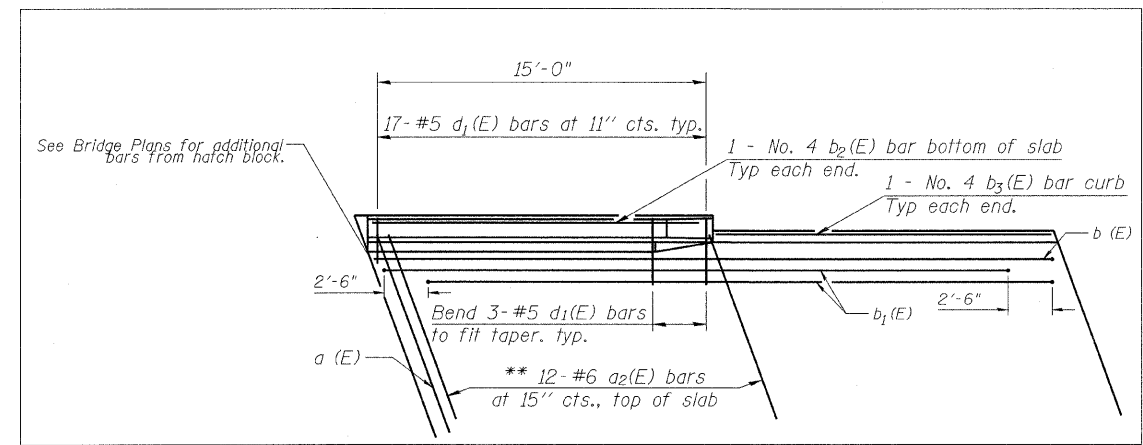
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS DETAILS - BRIDGE APPROACH PAVEMENT (SPECIAL)
 EASTBOUND WEST SIDE - STRUCTURE NO. 082-0162**

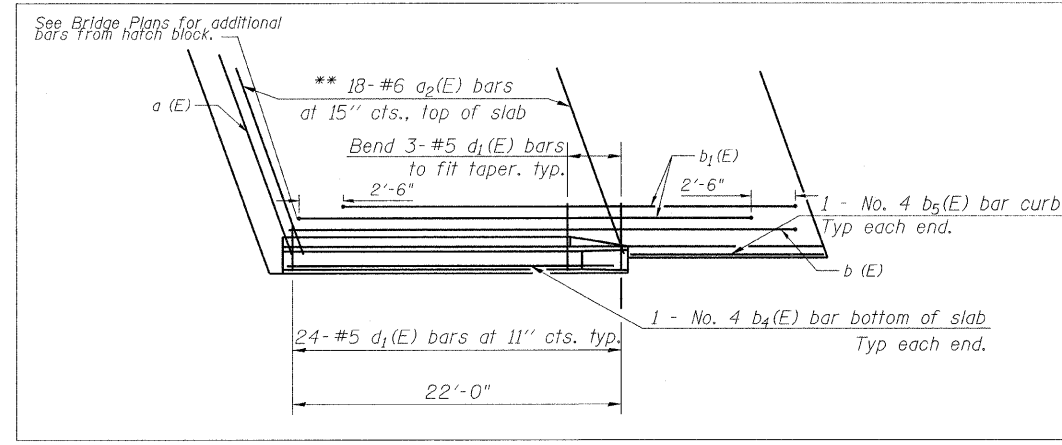
F.A.I. RTE. 64	SECTION 82-2VB-2	COUNTY ST. CLAIR	TOTAL SHEETS 153	SHEET NO. 123
CONTRACT NO. 76867				
SCALE: SHEET NO. 3 OF 5 SHEETS STA. TO STA. FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				



PLAN



INSET A



INSET B

Notes:
 See Sheet 5 of 5 for Sections B-B, C-C, D-D, and E-E.
 See Sheet 19 of 59 of Bridge Plans for Top of Slab Elevations.
 See Sheet 41 of 59 of Bridge Plans for Wingwall Removal.
 * Tilt #9 b₁(E) bars as required to maintain clearance.
 ** Alternate with a(E) bars, typ. each parapet.
 *** Alternate with a(E) bars, typ. each curb.

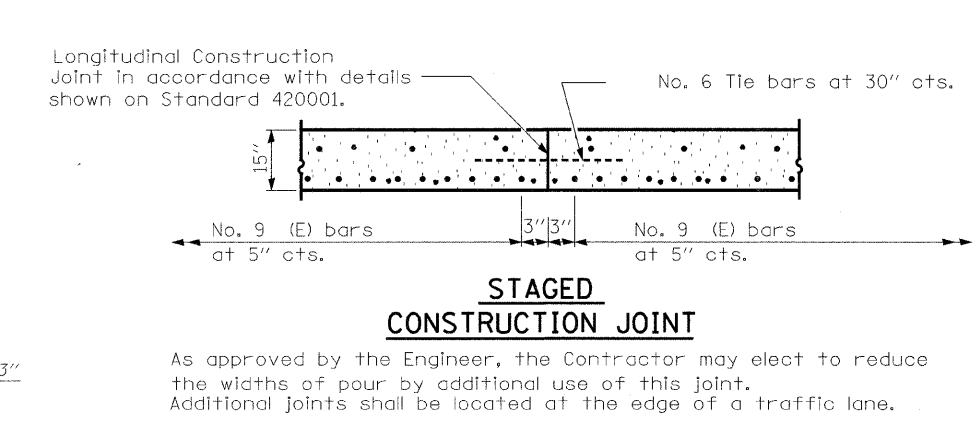
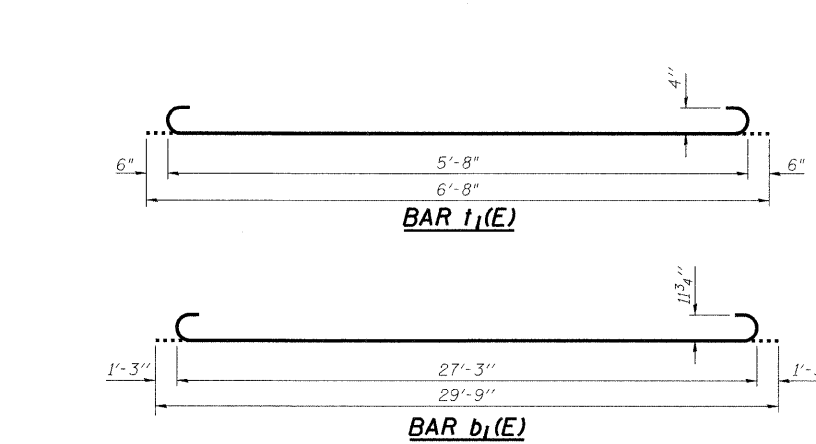
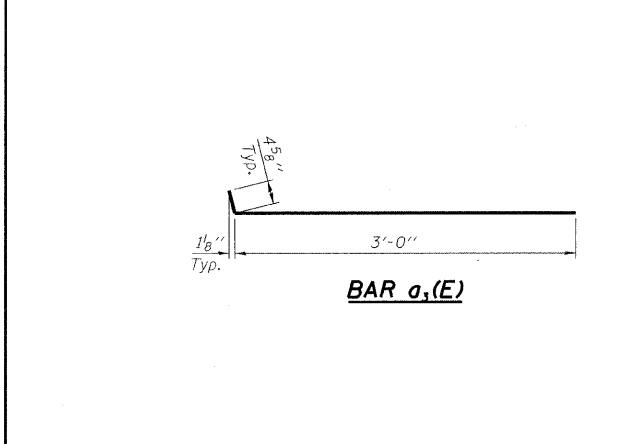
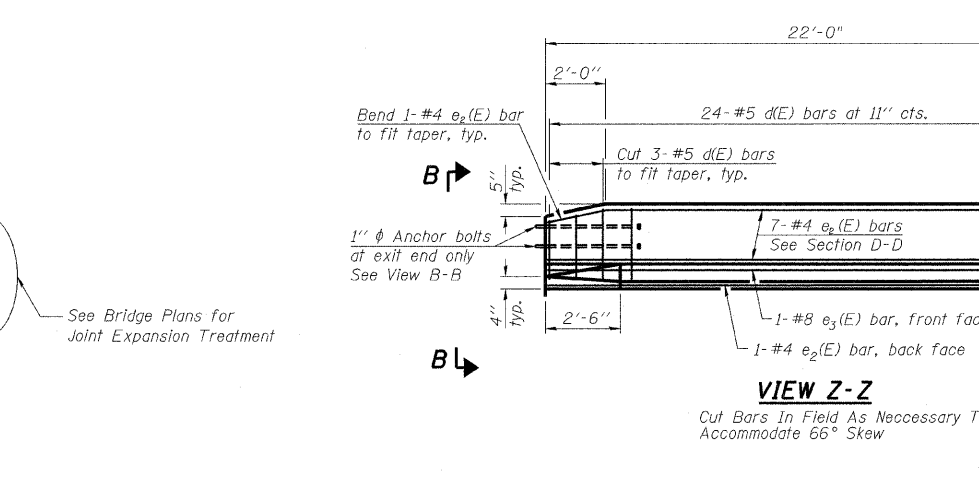
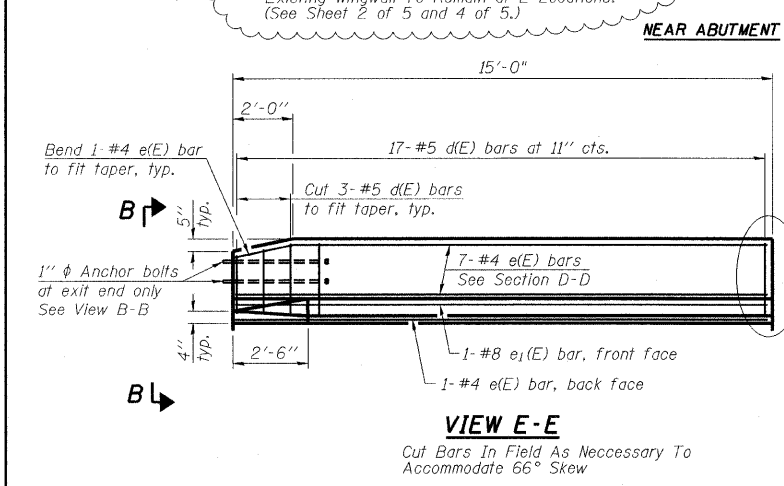
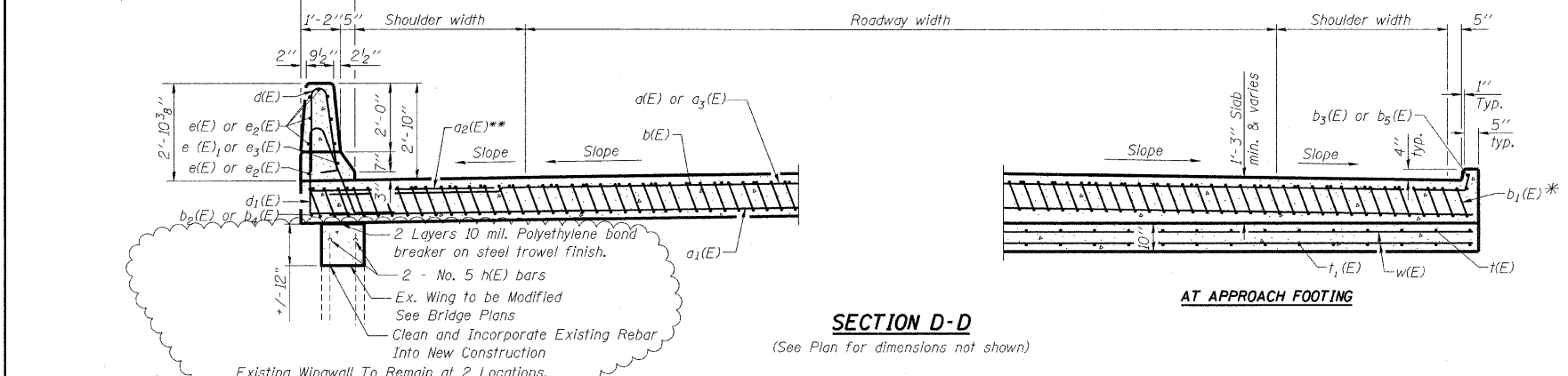
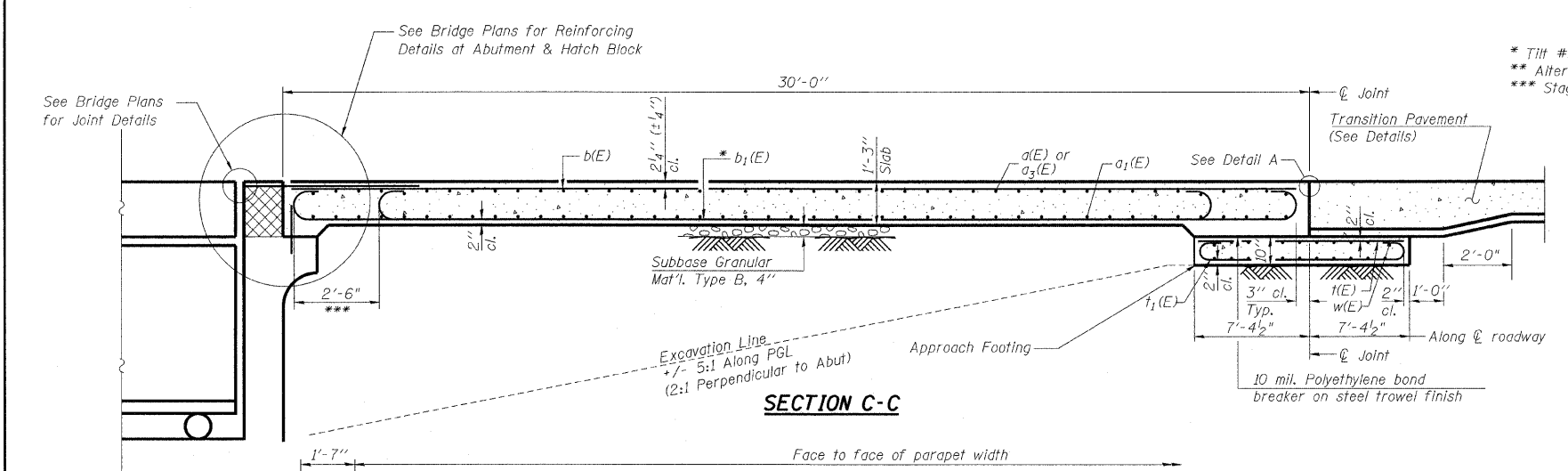
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PLOT SCALE = 4.7222' / IN.	CHECKED - SJK	REVISED -	REVISED -
PLOT DATE = 8/6/2009	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

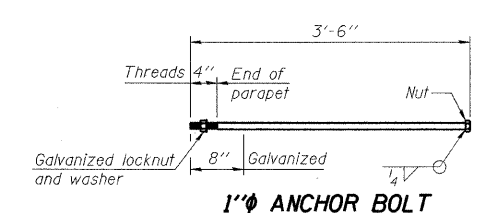
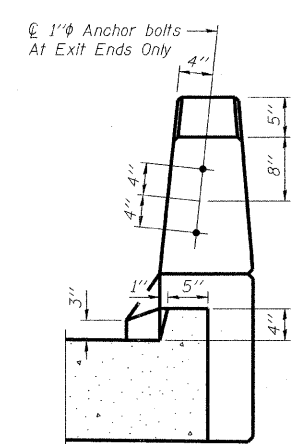
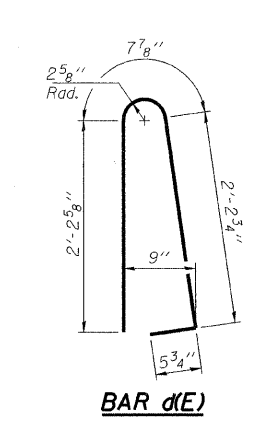
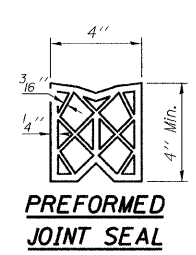
MISCELLANEOUS DETAILS - BRIDGE APPROACH PAVEMENT (SPECIAL)
EASTBOUND EAST SIDE - STRUCTURE NO. 082-0162

SCALE: SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE. 64	SECTION 82-2VB-2	COUNTY ST. CLAIR	TOTAL SHEETS 153	SHEET NO. 124
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			CONTRACT NO. 76867	

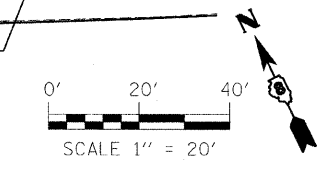
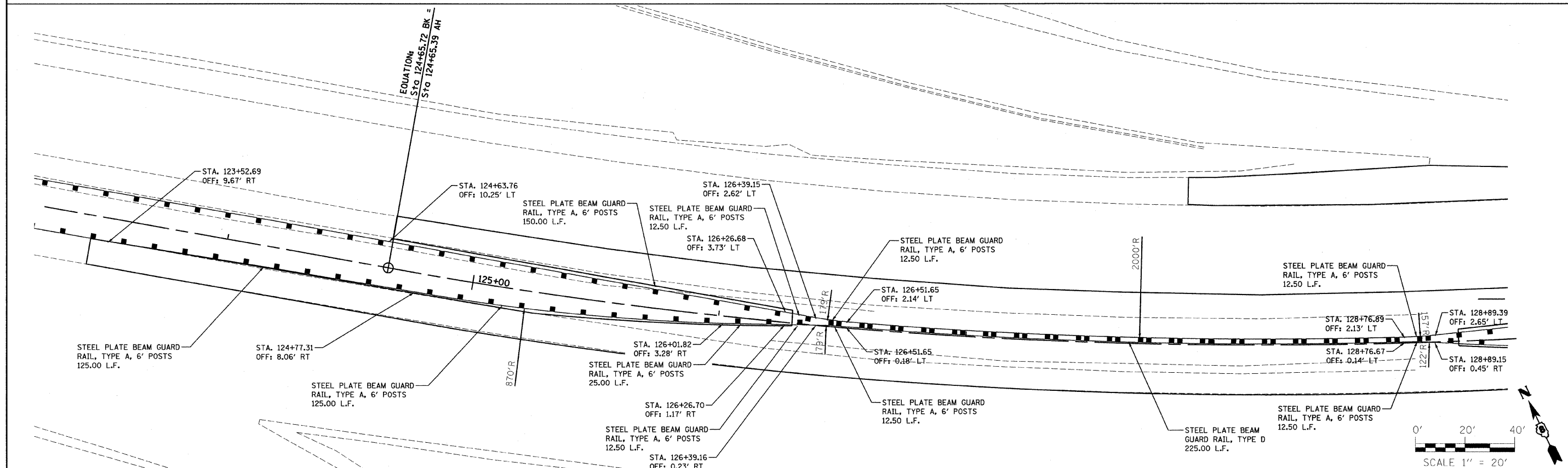
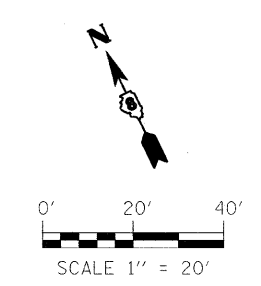
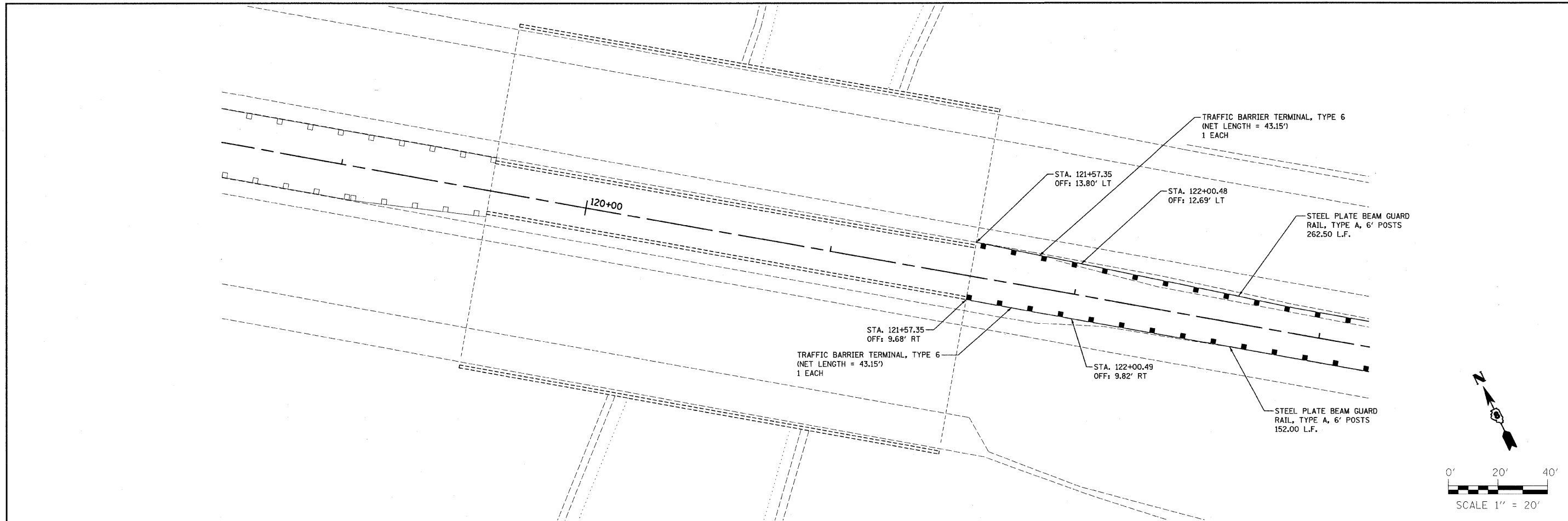


Lap Lengths
 No. 4 1'-8"
 No. 5 2'-0"

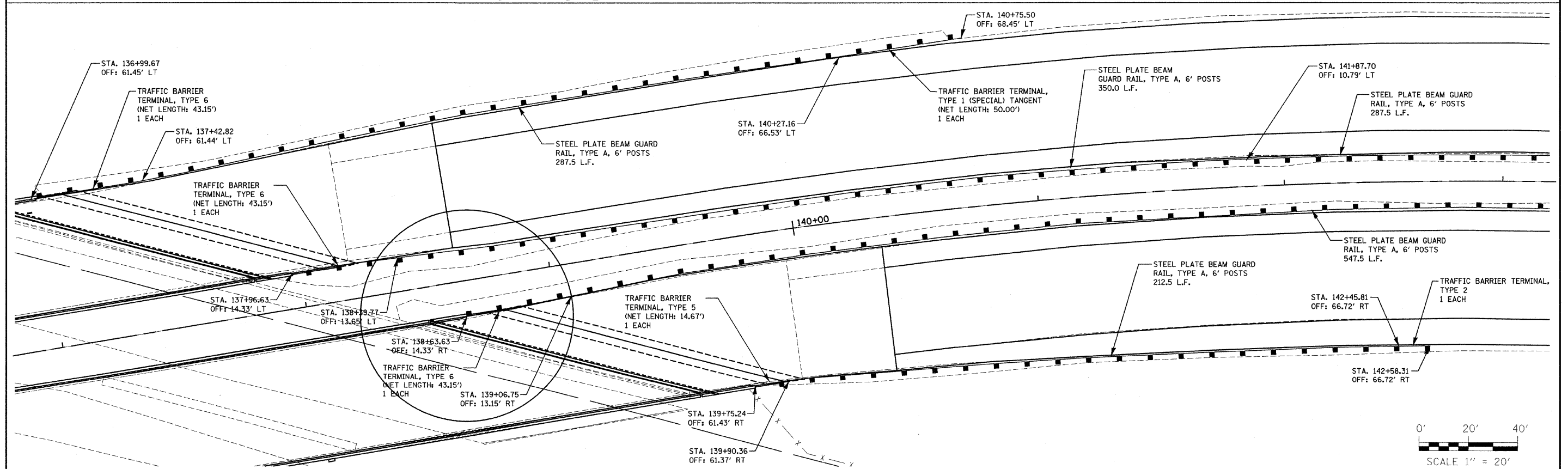
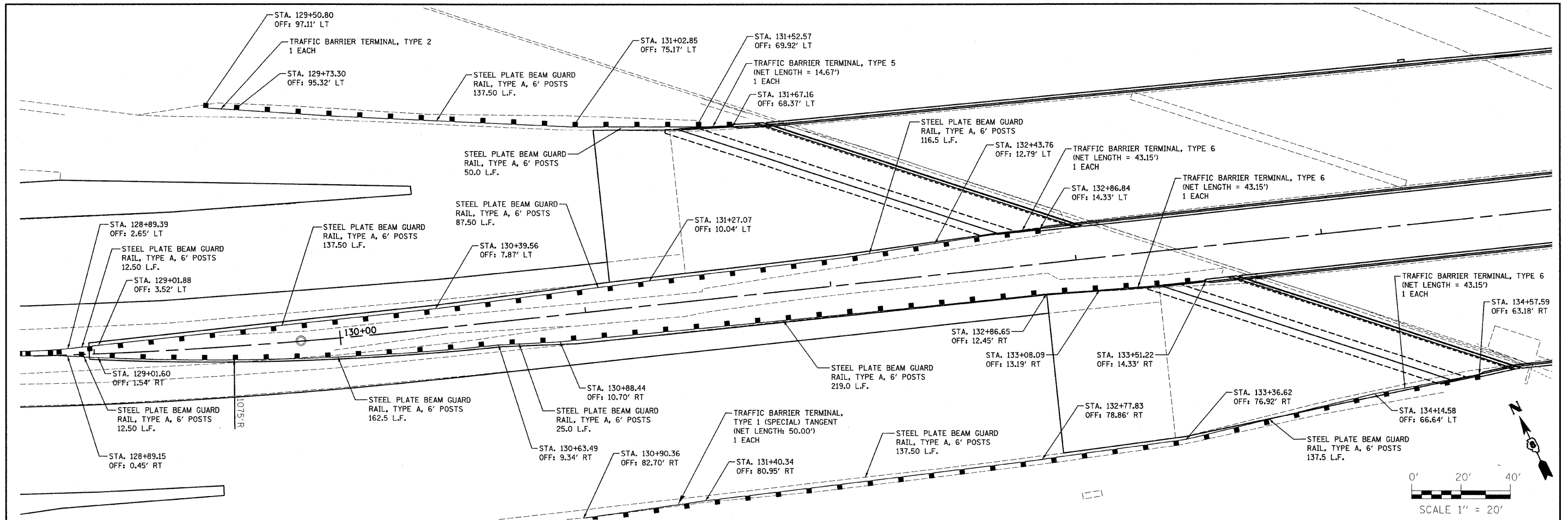


DESIGN STRESSES
 f_y = 60,000 psi
 f'_c = 3,500 psi
 n = 8.5

FILE NAME =	USER NAME = mschwier-john	DESIGNED - DRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS - BRIDGE APPROACH PAVEMENT DETAILS	F.A.I. RTE. 64	SECTION 82-2VB-2	COUNTY ST. CLAIR	TOTAL SHEETS 153	SHEET NO. 125	
P:\060601B\jgdn\CADD Sheets\0876876-shd	details.approach pvmt (special)-005.dgn	DRAWN - DRB	REVISED -			SCALE:	SHEET NO. 5 OF 5 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 8	ILLINOIS FED. AID PROJECT
	PLOT SCALE = 4.7222' / IN.	CHECKED - SJK	REVISED -								
	PLOT DATE = 8/6/2009	DATE -	REVISED -								CONTRACT NO. 76867

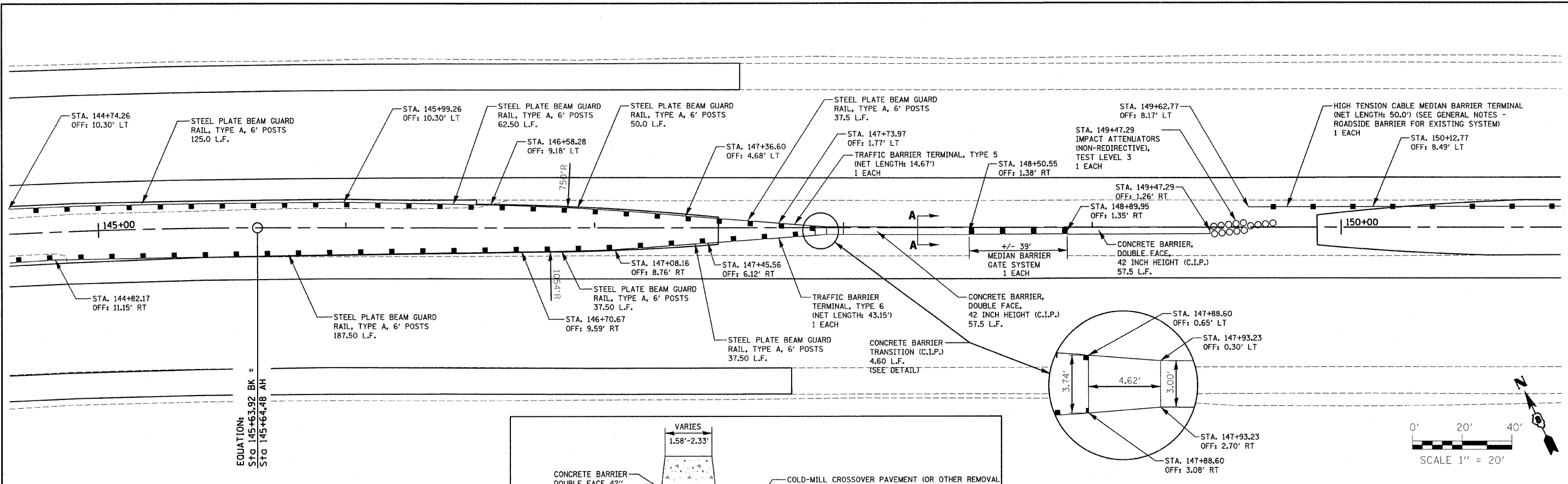


FILE NAME = P:\269601B\dgn\CADD Sheets\0876876-sh-t	USER NAME = mschwier.john	DESIGNED - DRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS GUARDRAIL DETAILS			F.A.I. RTE. 64	SECTION 82-2VB-2	COUNTY ST. CLAIR	TOTAL SHEETS 153	SHEET NO. 126
	detail_guardrail.dgn	DRAWN - JWS	REVISED -		SCALE: 1" = 20'	SHEET NO. 1 OF 3 SHEETS	STA. 121+57.35 TO STA. 128+50.00	CONTRACT NO. 76867				
	PLOT SCALE = 20.0000' / IN.	CHECKED - SJK	REVISED -		FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT							
	PLOT DATE = 8/6/2009	DATE -	REVISED -									

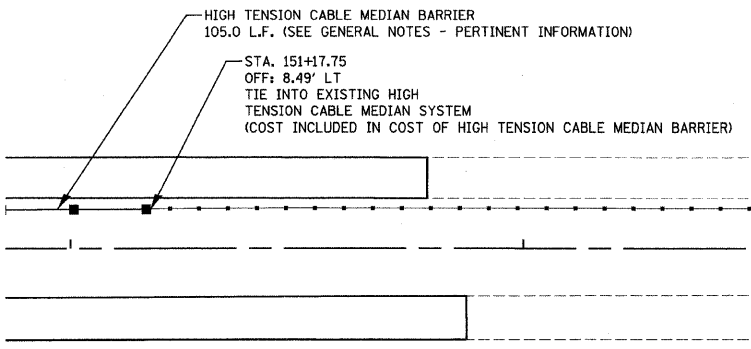
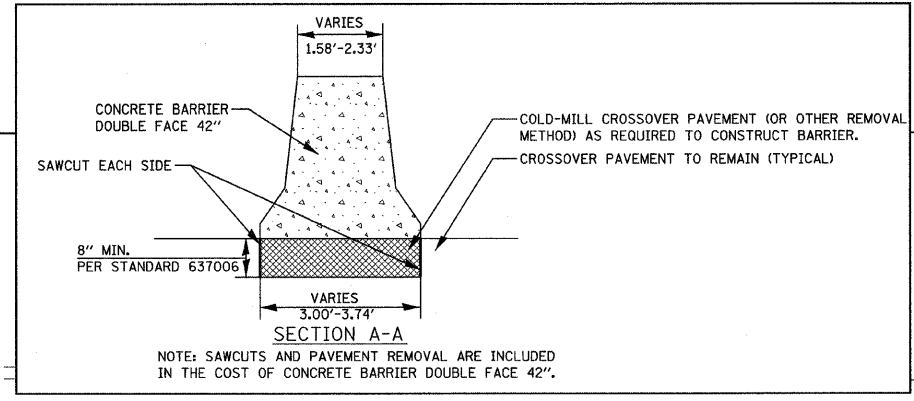


FILE NAME =	USER NAME = mschwier.john	DESIGNED - DRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS GUARDRAIL DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\062601B\1\CAD\Sheets\0876876-shd	detail_guardrail_2.dgn	DRAWN - JWS	REVISED -			64	82-2VB-2	ST. CLAIR	153	127	
PLOT SCALE = 20.0000' / IN.		CHECKED - SJK	REVISED -			CONTRACT NO. 76867					
PLOT DATE = 8/6/2009		DATE -	REVISED -			FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT					

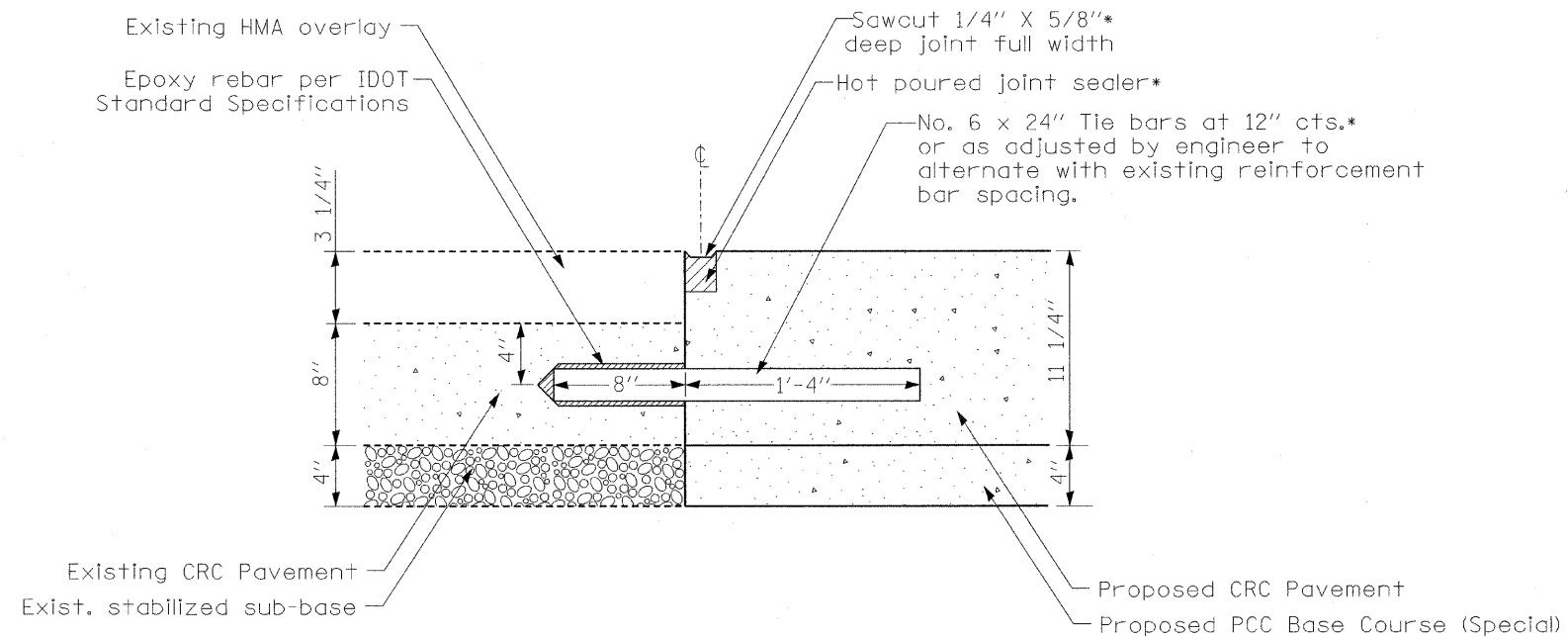
SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 128+50.00 TO STA. 143+00.00



EQUATION:
 Sta 145+63.92 BK =
 Sta 145+64.18 AH



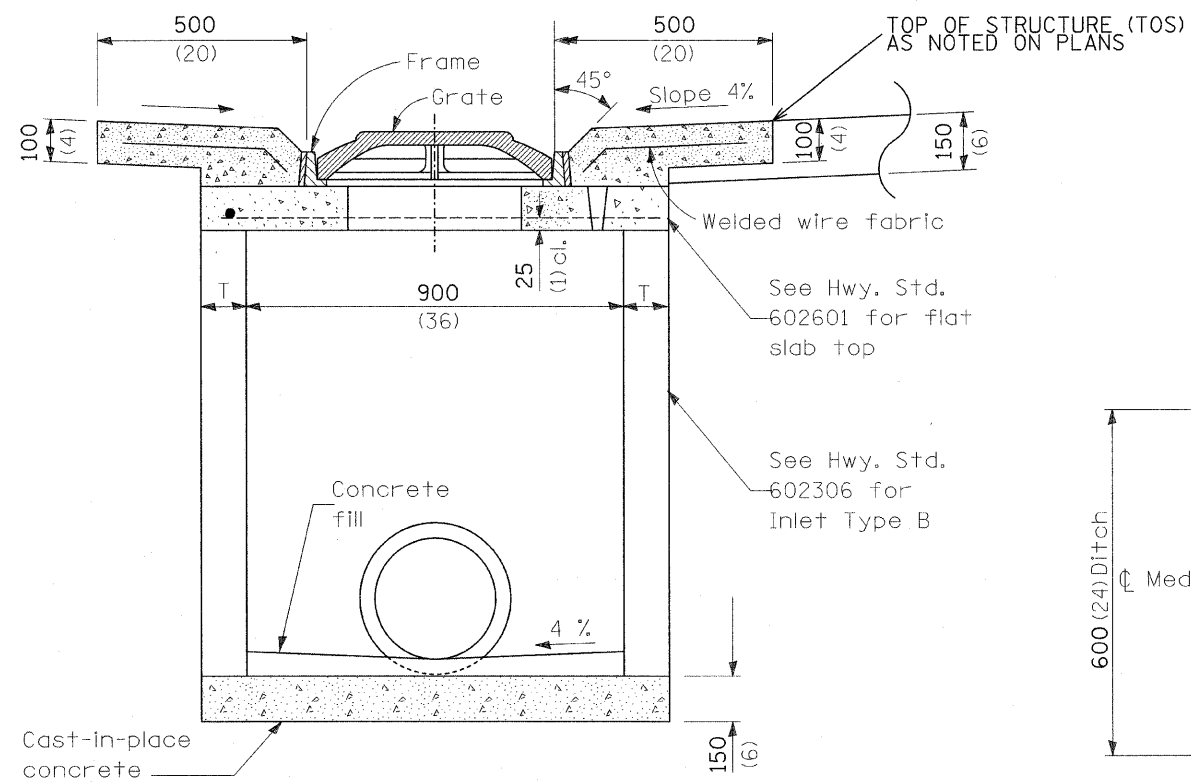
FILE NAME =	USER NAME = mschwier.john	DESIGNED - DRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS GUARDRAIL DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\060801B\ dgn\CA00 Sheets\0876876-shd-detail_guardrail.3.dgn	DRAWN - JWS	REVISED -	64			82-2VB-2	ST. CLAIR	153	128	
PLOT SCALE = 20.0000' / IN.	CHECKED - SJK	REVISED -	CONTRACT NO. 76867							
PLOT DATE = 8/6/2009	DATE -	REVISED -	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT							
					SCALE: 1" = 20'	SHEET NO. 3 OF 3 SHEETS		STA. 137+00.00 TO STA. 150+85.00		



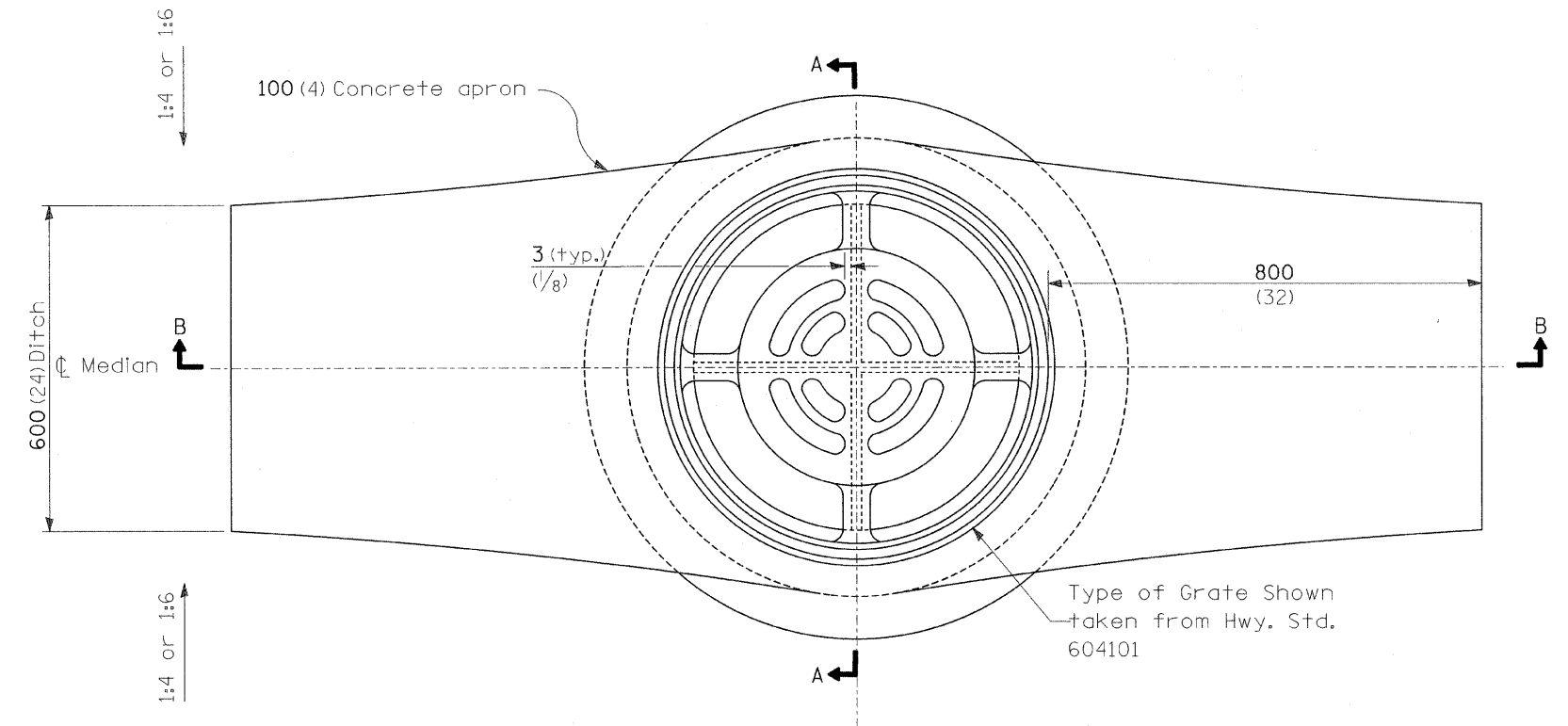
TRANSVERSE CONSTRUCTION JOINT

(TIE BAR GROUTED IN PLACE)
 * Cost included in cost of CRC Pavement

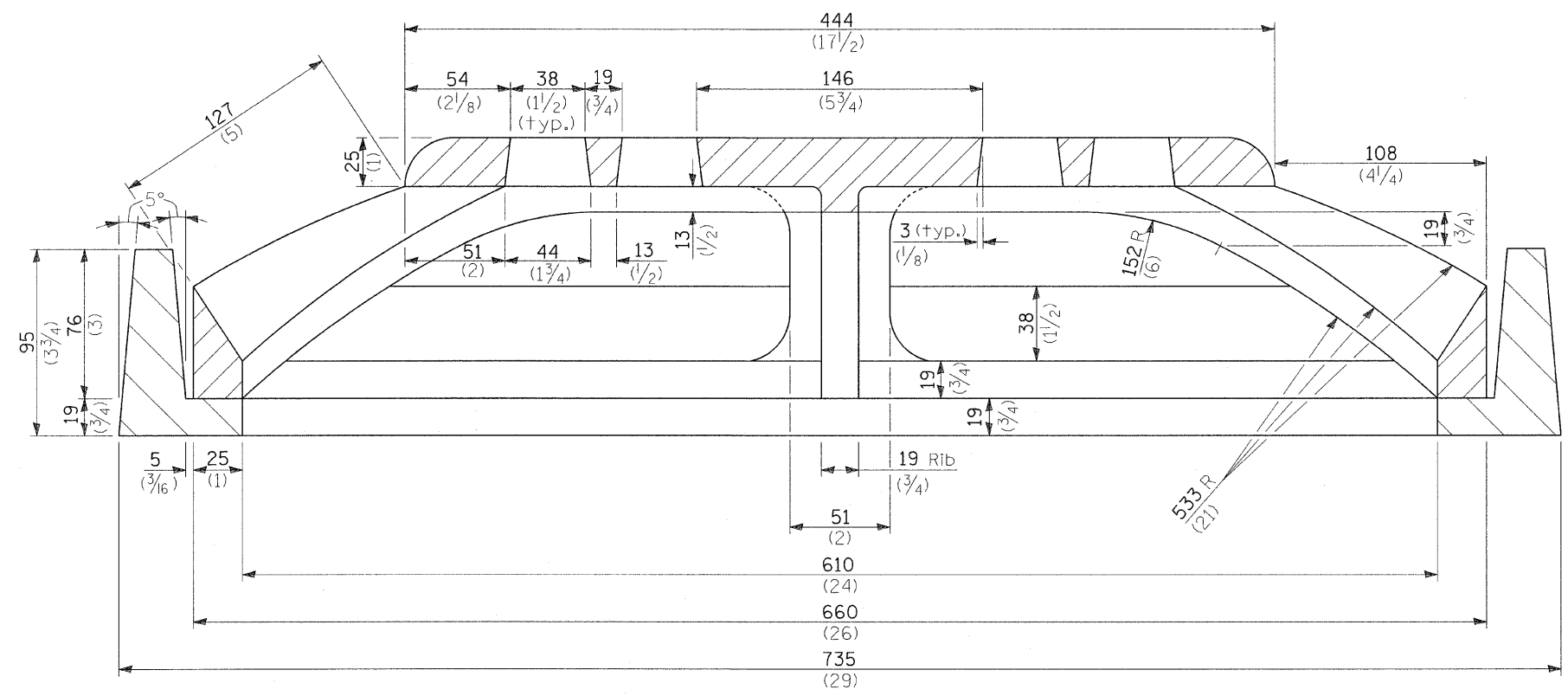
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P:\060601B\dgn\CADD Sheets\0676867-sht-misc details-001.dgn	DRAWN -	REVISED -	64				82-2VB-2	ST. CLAIR	153	129	
PLOT SCALE = 0:12.000 in / IN.	CHECKED - SJK	REVISED -	CONTRACT NO. 76867								
PLOT DATE = 8/6/2009	DATE -	REVISED -	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT								
				SCALE:		SHEET NO. 1 OF 1 SHEETS		STA.		TO STA.	



SECTION B-B



LOCATION SKETCH - PLAN



SECTION A-A

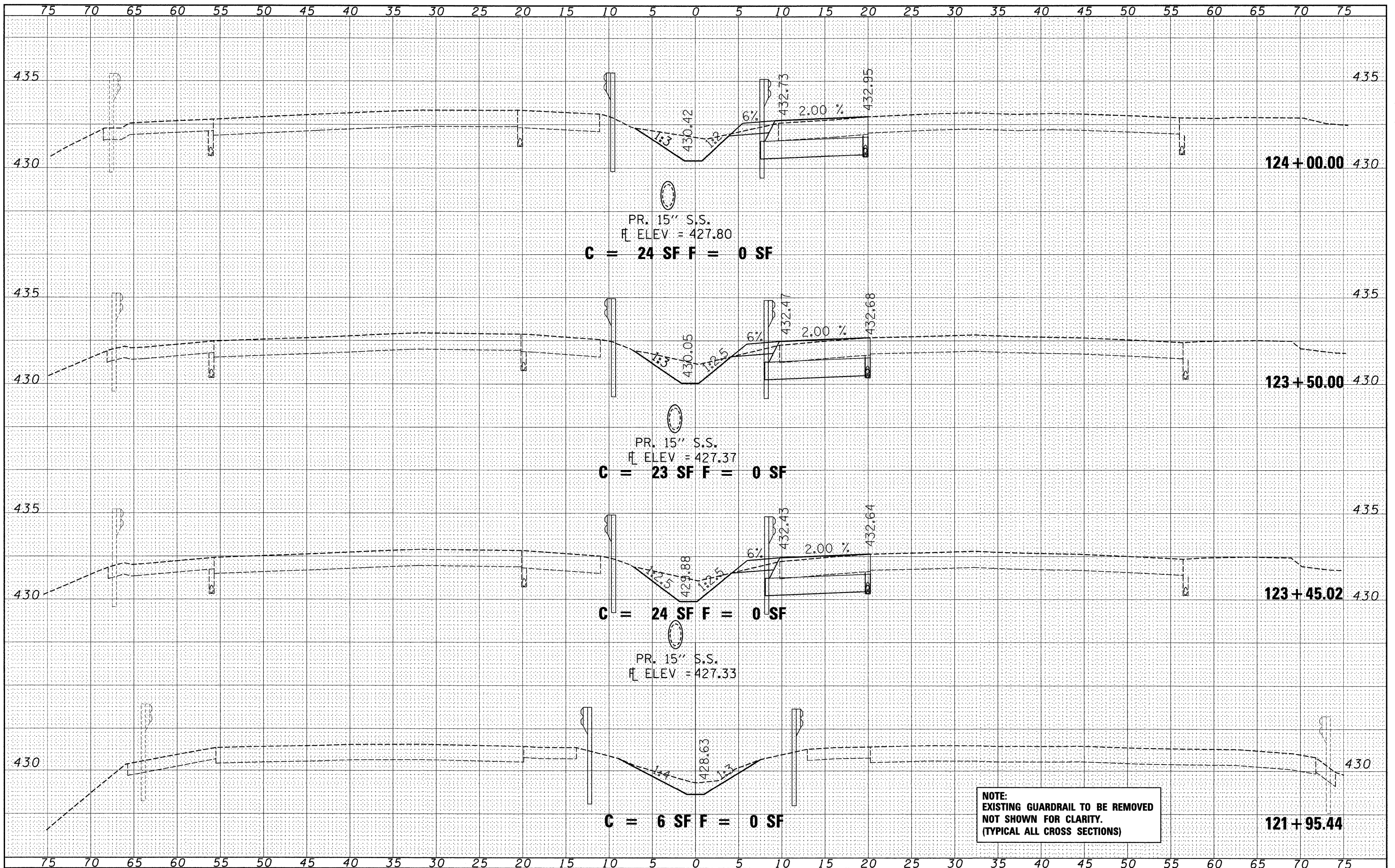
GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
 All dimensions are in millimeters (Inches) unless otherwise shown.
 All elements shown in this detail shall be included in the contract unit price for Median Inlet (604101), Special,

FILE NAME =	USER NAME = mschwarzjohn	DESIGNED - DRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS MEDIAN INLET (604101) SPECIAL		F.A.I. RTE. 64	SECTION 82-2VB-2	COUNTY ST. CLAIR	TOTAL SHEETS 153	SHEET NO. 130	
P:\060601B\dgn\CADD Sheets\0876867-sht-misc details-001.dgn		DRAWN - JWS	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				
PLOT SCALE = 0:12.000 mm / IN.		CHECKED - SJK	REVISED -									
PLOT DATE = 8/6/2009		DATE -	REVISED -									

DATE	
BY	
FINAL SURVEY	
PLANTING	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLANTING	
NOTE BOOK	
NO.	



NOTE:
 EXISTING GUARDRAIL TO BE REMOVED
 NOT SHOWN FOR CLARITY.
 (TYPICAL ALL CROSS SECTIONS)

FILE NAME = P:\0606018\dgn\CADD Sheets\0876876-sht-xssht.dgn

USER NAME = jstein
 DESIGNED JWS
 DRAWN JWS
 CHECKED SJK
 DATE 8/6/2009

REVISIONS
 REVISED -
 REVISED -
 REVISED -
 REVISED -

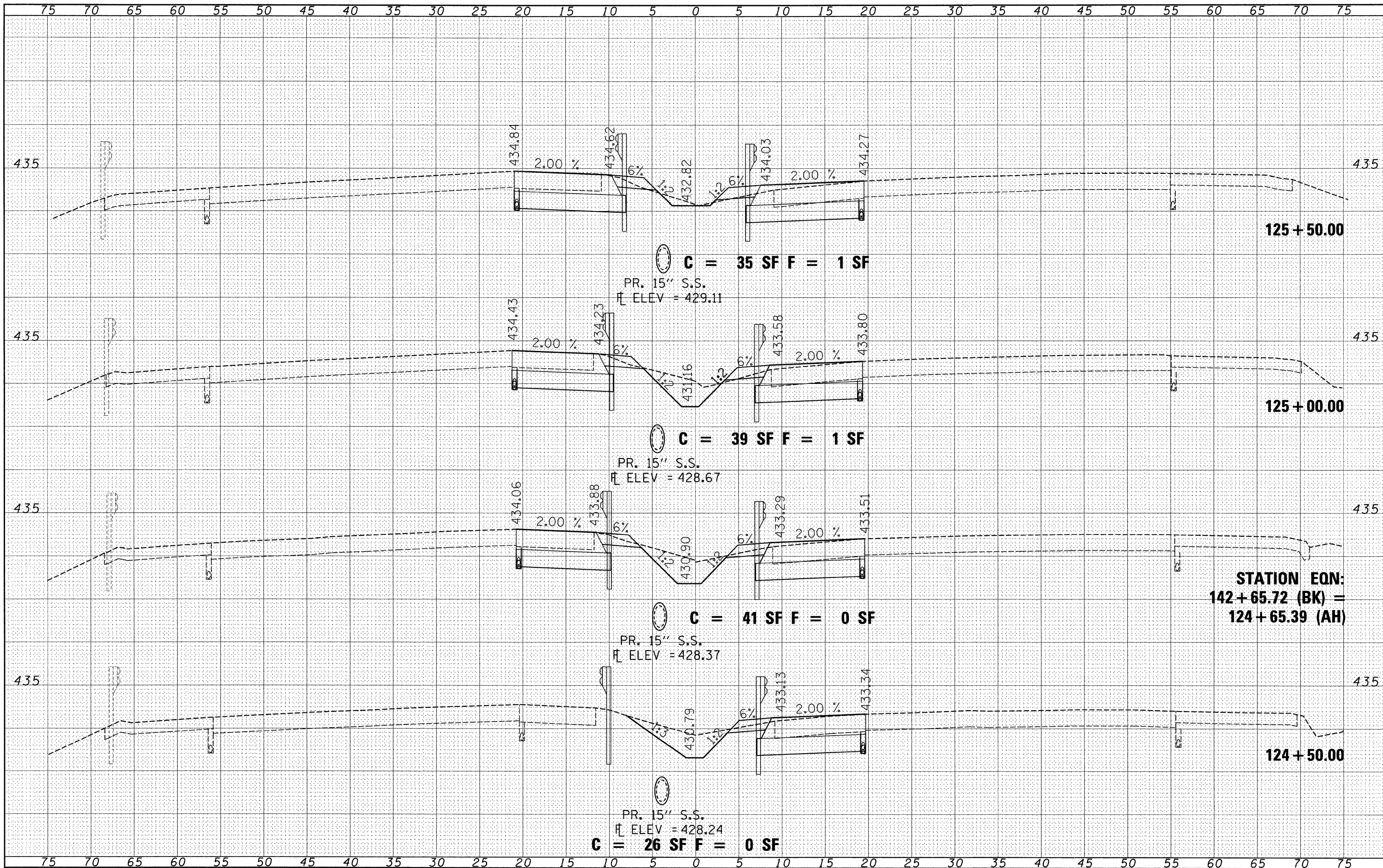
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
 SCALE: 1" = 5'
 SHEET NO. 1 OF 23 SHEETS
 STA. 121+95.44 TO STA. 124+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	131
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76867				

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = P:\060501B\dgn\CADD Sheets\0876876-shr-xssht.dgn

USER NAME = jstein
 DESIGNED JWS
 DRAWN JWS
 CHECKED SJK
 DATE 8/6/2009

REVISIONS
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 REVISIONS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

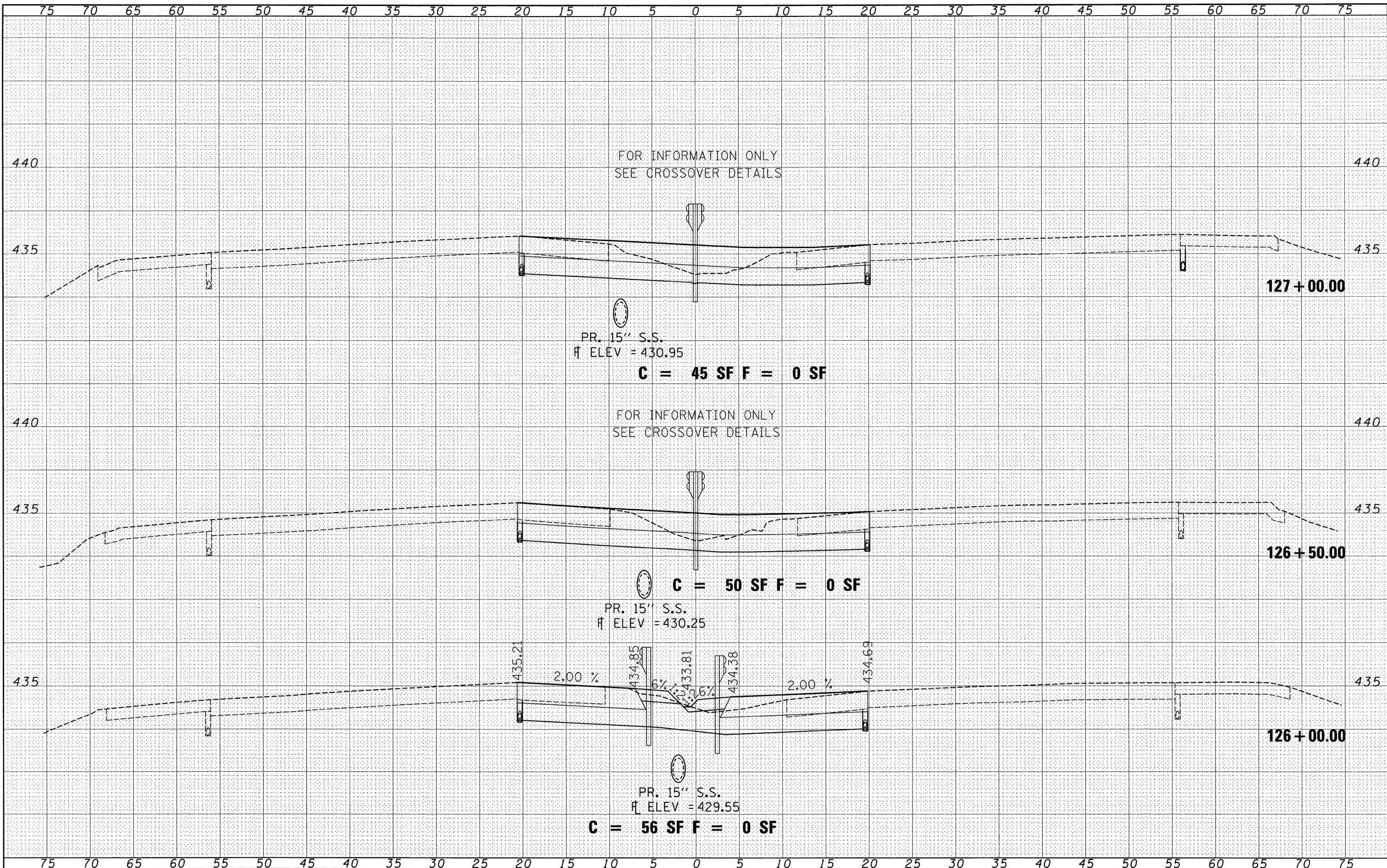
CROSS SECTIONS
 SCALE: 1" = 5'
 SHEET NO. 2 OF 23 SHEETS
 STA. 124+50.00 TO STA. 125+50.00

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	132
CONTRACT NO. 76867				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

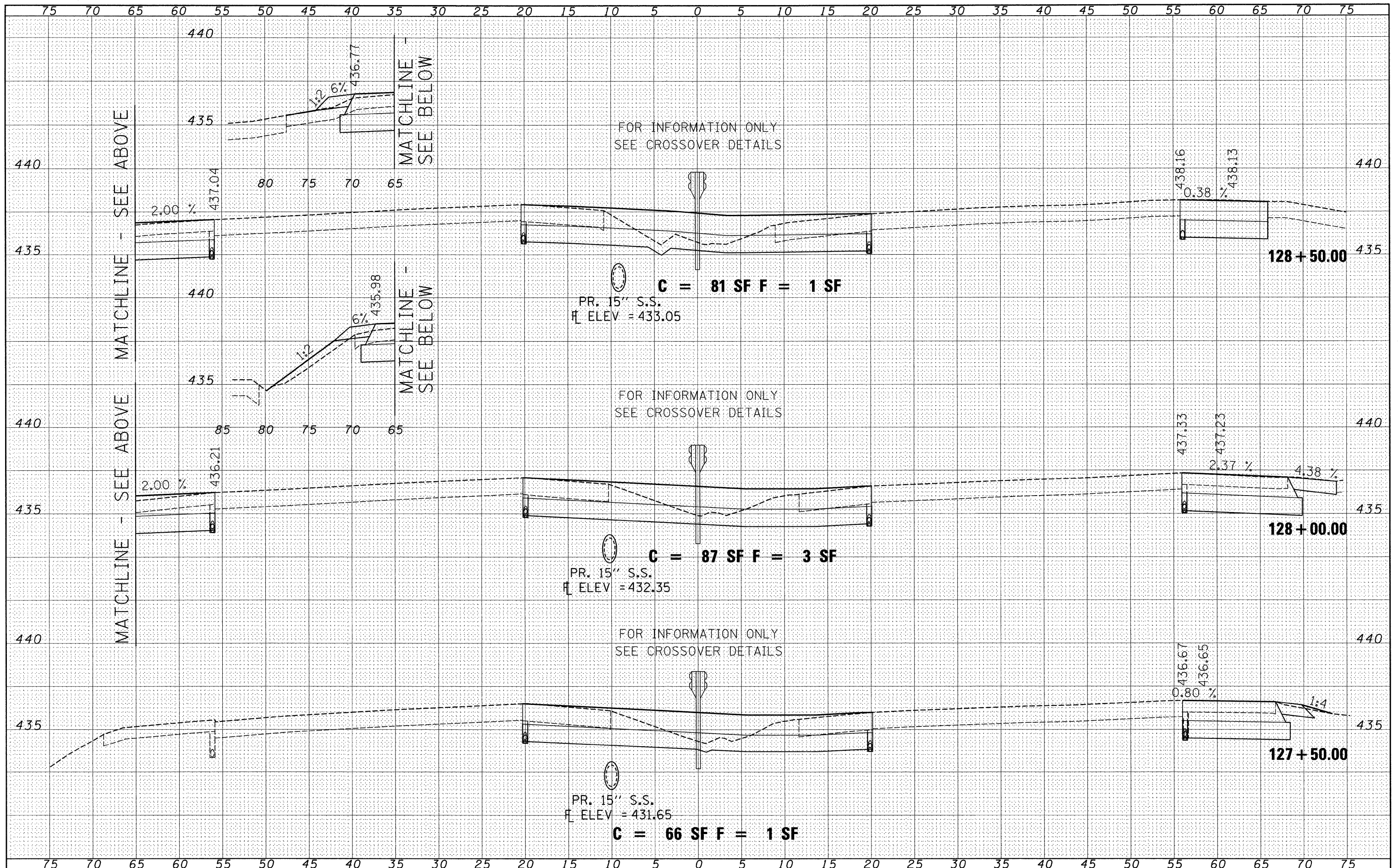
DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = jstein	DESIGNED <i>JWS</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\06001B\vdgn\CADD Sheets\0876876-sht-xssht.dgn		DRAWN <i>JWS</i>	REVISED -		64	82-2VB-2	ST. CLAIR	153	133			
PLOT SCALE = 5.0000' / IN.		CHECKED <i>SJK</i>	REVISED -		SCALE: 1" = 5'			SHEET NO. 3 OF 23 SHEETS			STA. 126+00.00 TO STA. 127+00.00	
PLOT DATE = 8/6/2009		DATE <i>8/6/2009</i>	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = P:\060601B\vdgn\CADD Sheets\0876876-sht-xasht.dgn
 USER NAME = jstein
 DESIGNED JWS
 DRAWN JWS
 CHECKED SJK
 DATE 8/6/2009

REVISIONS
 REVISED -
 REVISED -
 REVISED -
 REVISED -

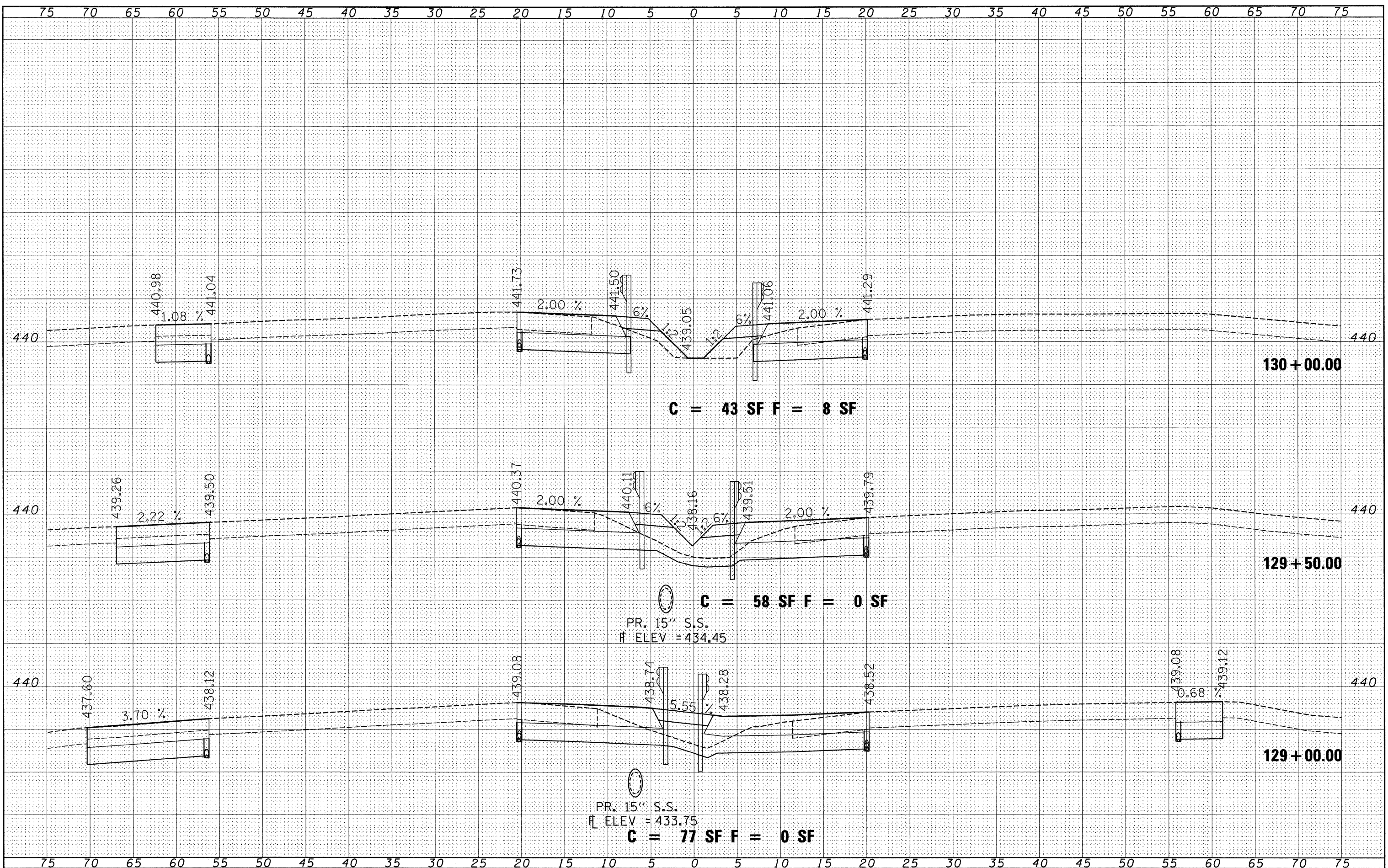
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: 1" = 5'
 SHEET NO. 4 OF 23 SHEETS
 STA. 127+50.00 TO STA. 128+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	134
CONTRACT NO. 76867				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

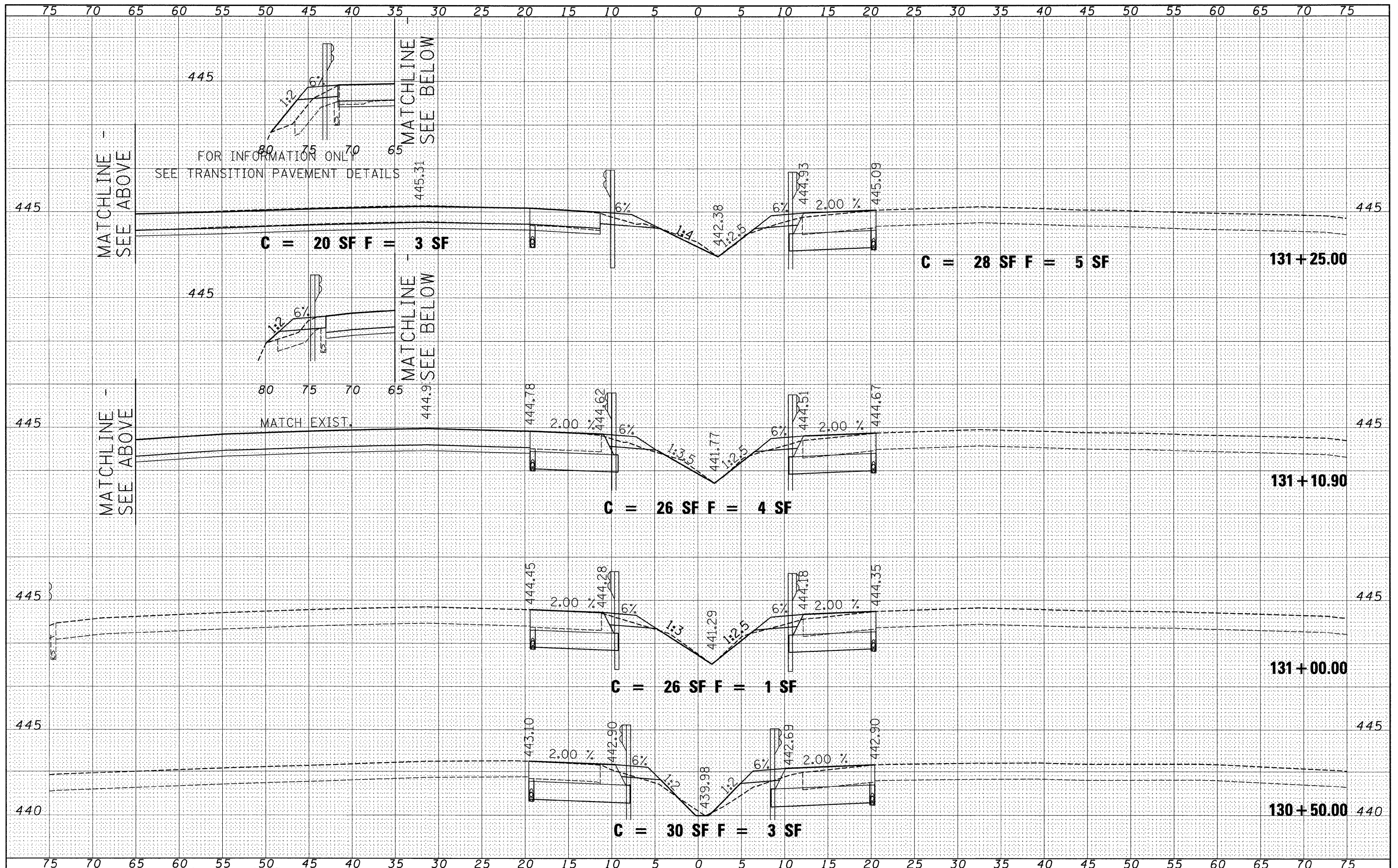
ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



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PLOT SCALE = 5.0000' / IN.	CHECKED SJK	REVISOR	REVISOR		SCALE: 1" = 5'	SHEET NO. 5 OF 23 SHEETS	STA. 129+00.00 TO STA. 130+00.00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT DATE = 8/6/2009	DATE 8/6/2009	REVISOR	REVISOR									
		REVISOR	REVISOR									

DATE	
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USER NAME = jstein
 DESIGNED JWS
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 CHECKED SJK
 PLOT DATE = 8/6/2009

REVISOR
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1" = 5'

SHEET NO. 6 OF 23 SHEETS

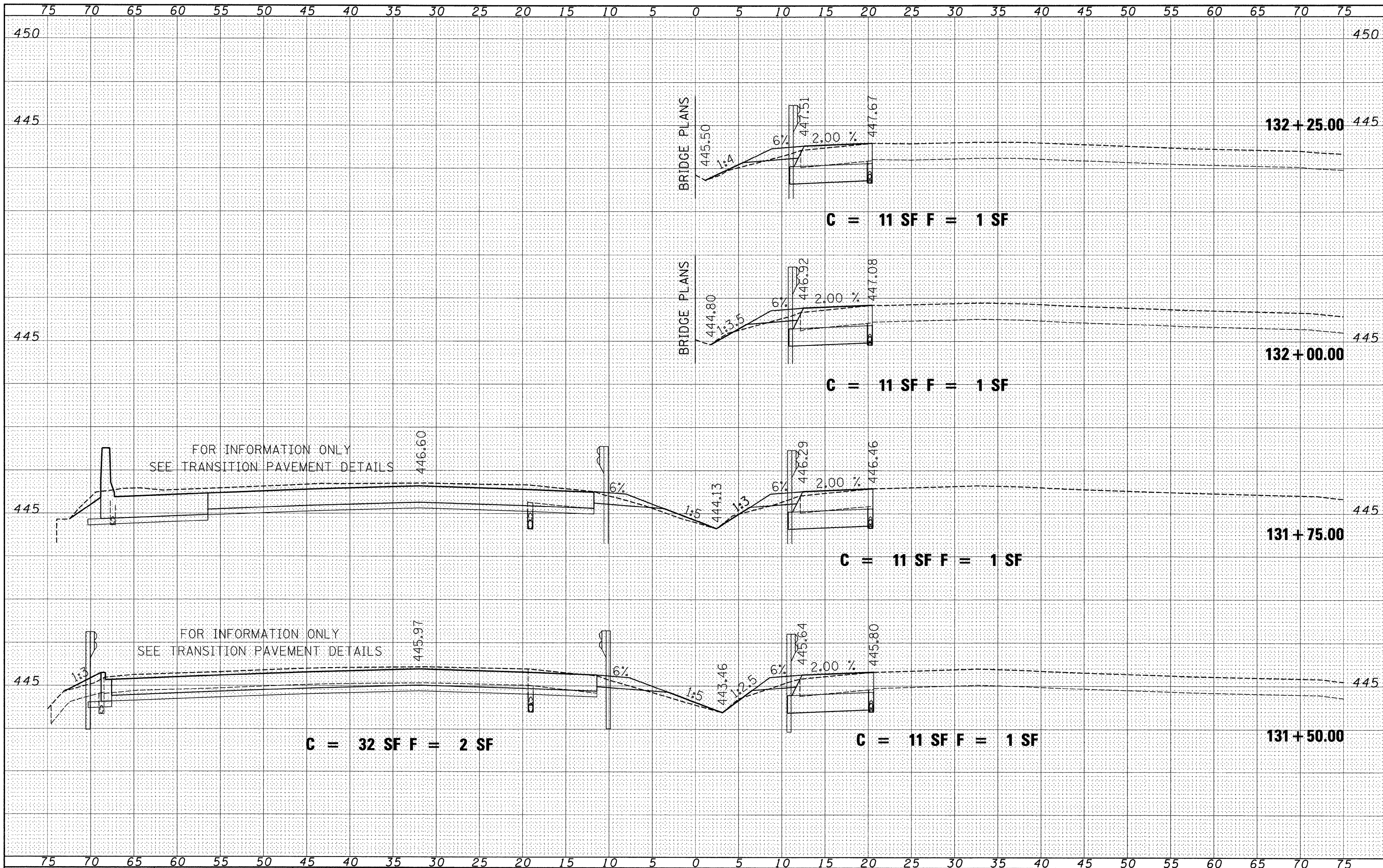
STA. 130+50.00 TO STA. 131+25.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	136
CONTRACT NO. 76867				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

DATE	
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NOTE BOOK	
AREAS CHECKED	
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DATE	
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NOTE BOOK	
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USER NAME = jstein
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 CHECKED SJK
 DATE 8/6/2009

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 DATE 8/6/2009

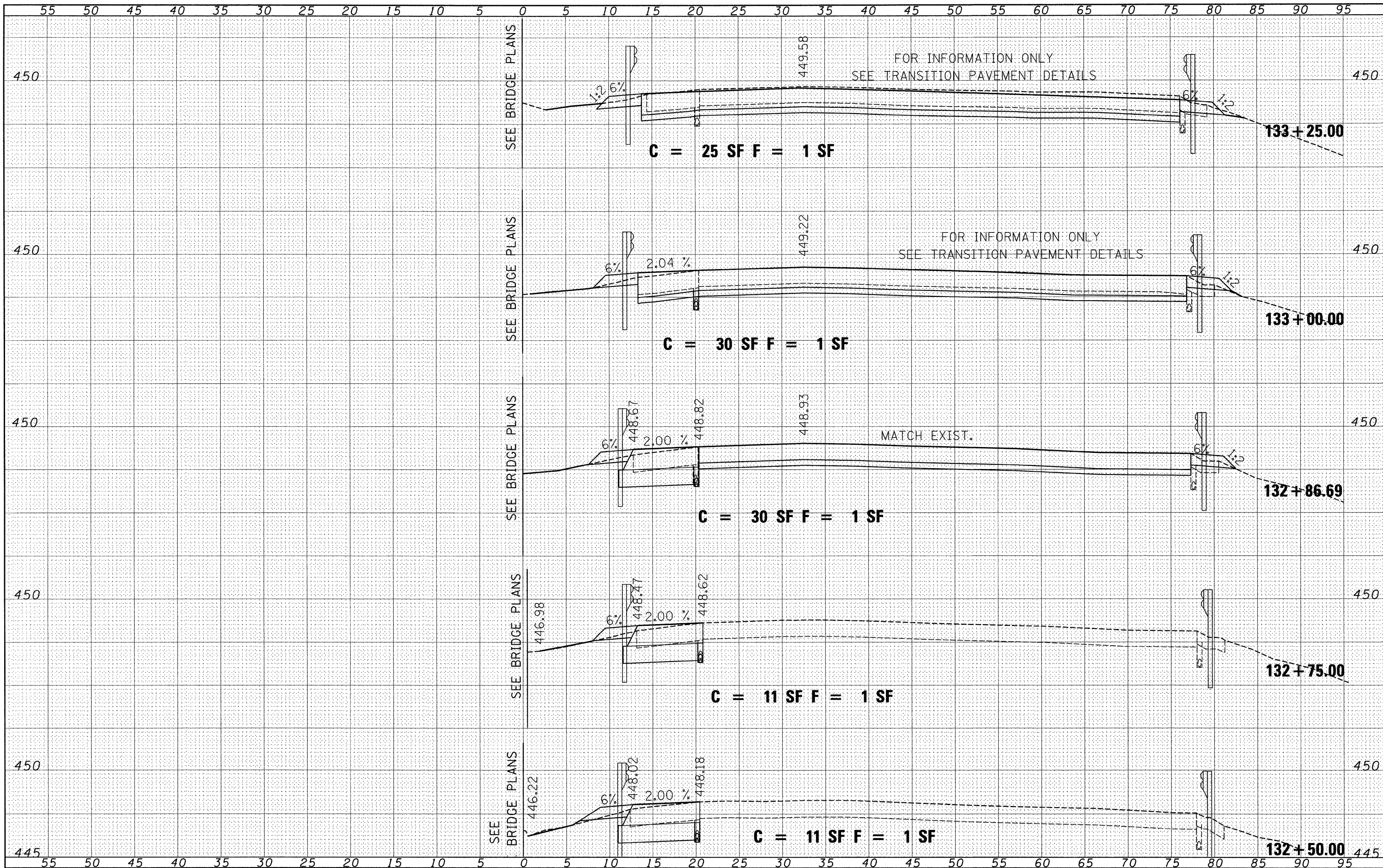
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: 1" = 5'
 SHEET NO. 7 OF 23 SHEETS
 STA. 131+50.00 TO STA. 132+25.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	137
CONTRACT NO. 76867				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	BY
PLANNED	
TEMPORARY	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
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TEMPORARY	
NOTE BOOK	
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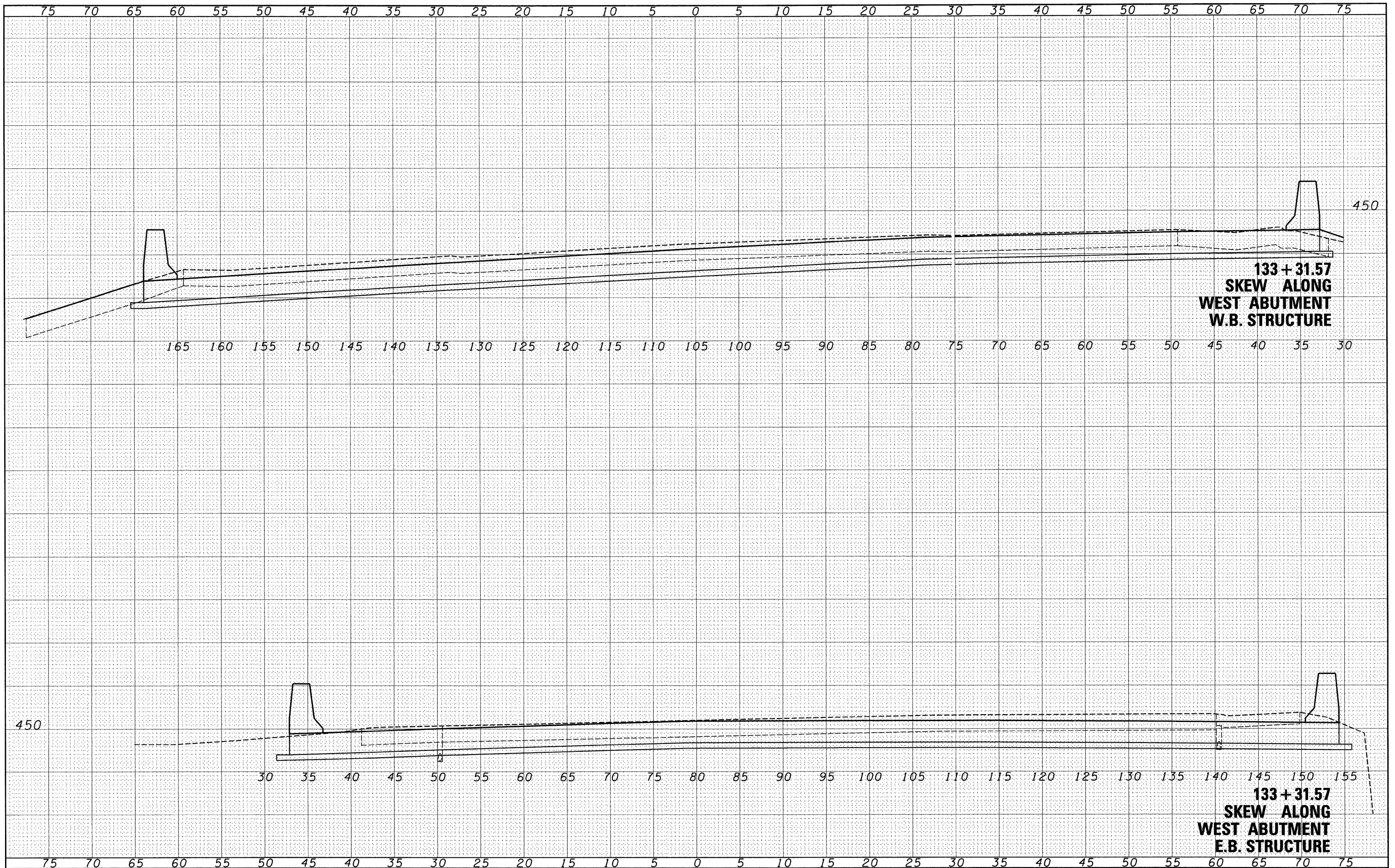


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P:\060601B\dgn\CADD Sheets\0876876-ah-ssht.dgn		DRAWN JWS	REVISED -		SCALE: 1" = 5'	SHEET NO. 8 OF 23 SHEETS	STA. 132+50.00 TO STA. 133+25.00	64	82-2VB-2	ST. CLAIR	153	138	
		CHECKED SJK	REVISED -										
		DATE 8/6/2009	REVISED -										

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 76867

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



**133 + 31.57
SKEW ALONG
WEST ABUTMENT
W.B. STRUCTURE**

**133 + 31.57
SKEW ALONG
WEST ABUTMENT
E.B. STRUCTURE**

FILE NAME = F:\060601B\dgn\CADD Sheets\0876876-sht-xshht.dgn

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DESIGNED JWS
DRAWN JWS
PLOT SCALE = 5.0000 "/ IN.
PLOT DATE = 8/6/2009

CHECKED SJK
DATE 8/6/2009

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

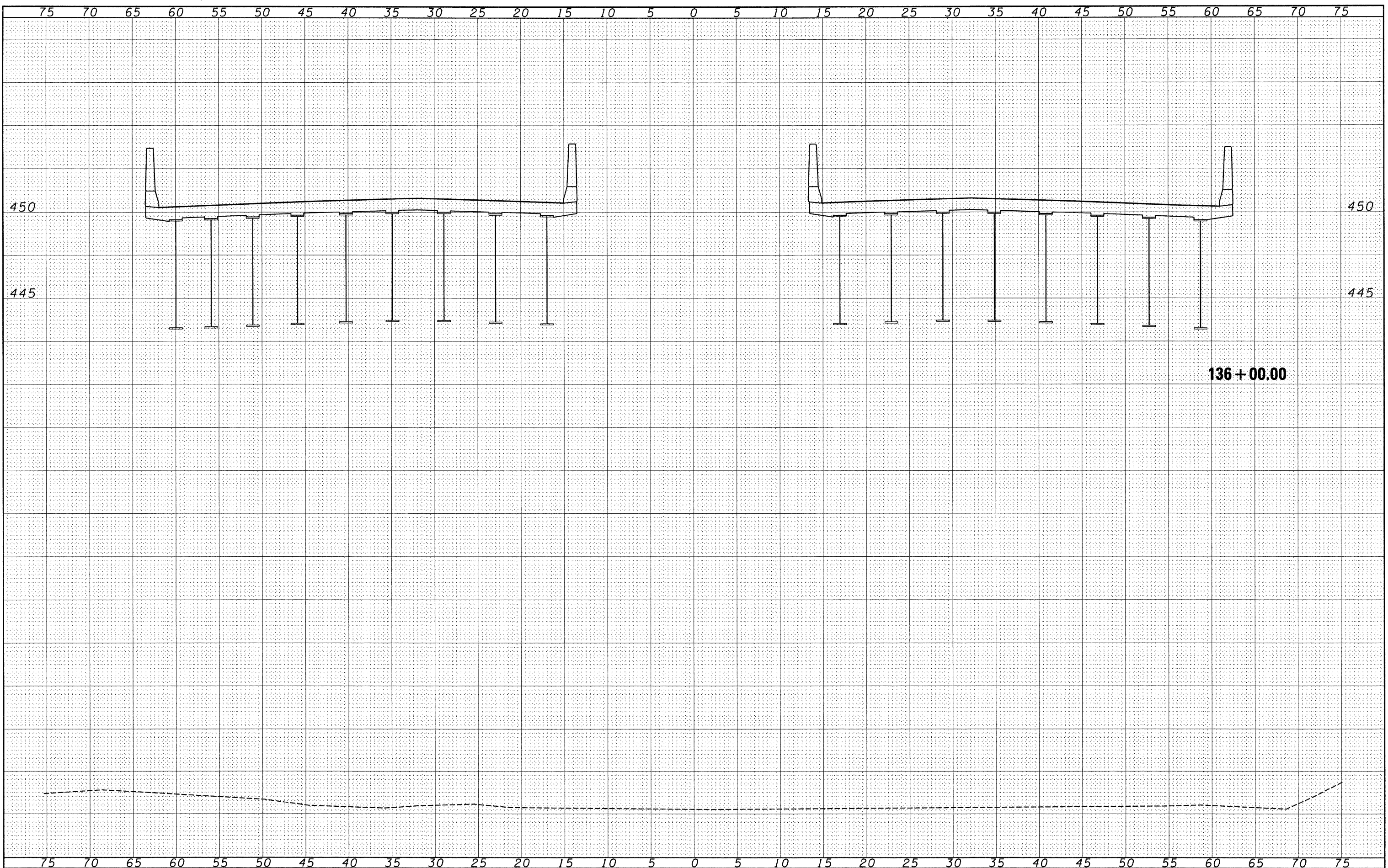
CROSS SECTIONS

SCALE: 1" = 5' SHEET NO. 9 OF 23 SHEETS STA. 133+31.57 TO STA. 133+31.57

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	139
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76867	

FINAL SURVEY	DATE
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NOTE BOOK	
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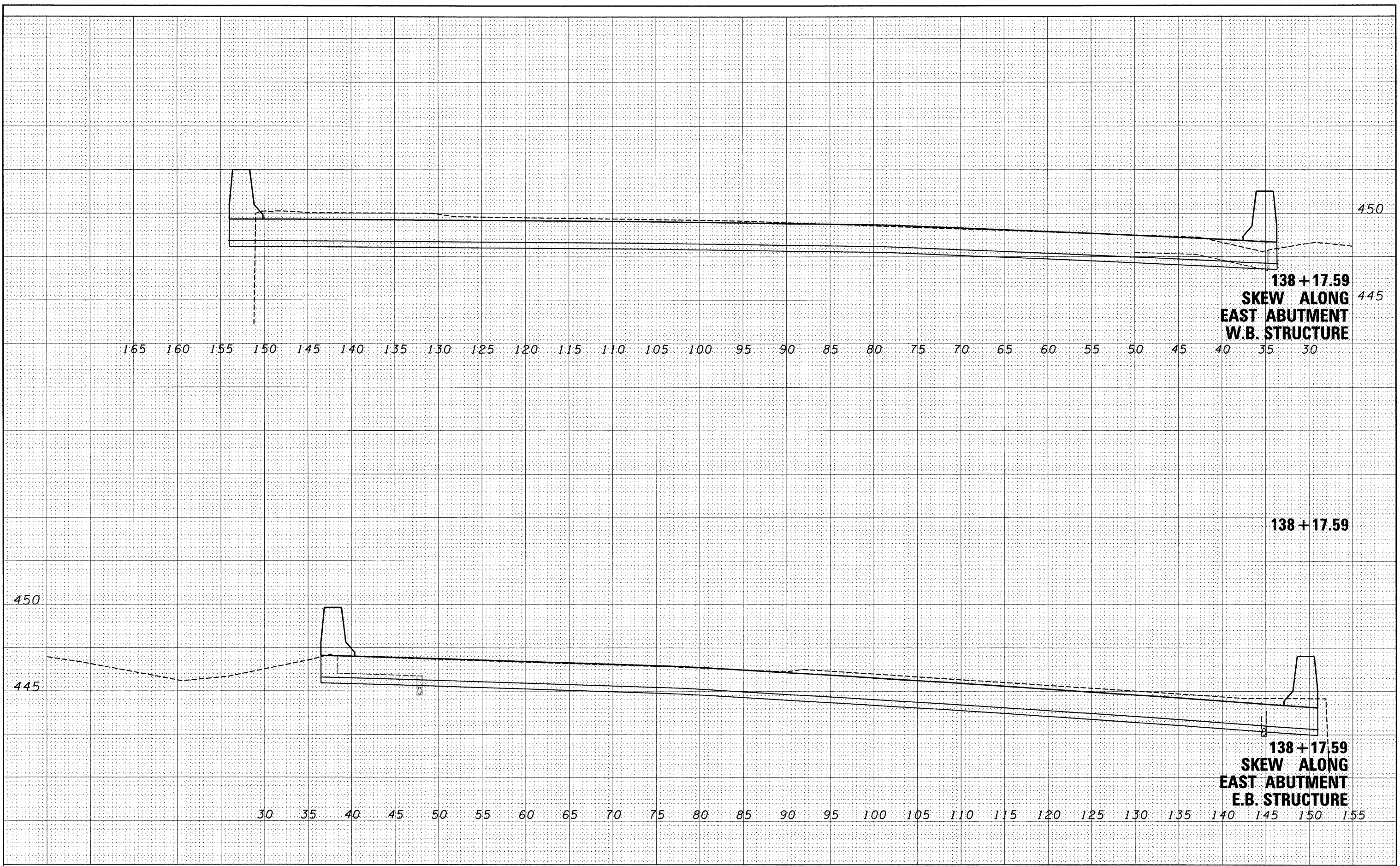
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NOTE BOOK	
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	PLLOT SCALE = 5.0000' / IN.	CHECKED <i>SJK</i>	REVISED -		SCALE: 1" = 5'	SHEET NO. 10 OF 23 SHEETS	STA. 136+00.00 TO STA. 136+00.00	CONTRACT NO. 76867				
	PLLOT DATE = 8/6/2009	DATE <i>8/6/2009</i>	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	AREAS CHECKED		
NO.			

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	AREAS CHECKED		
NO.			



**138 + 17.59
SKEW ALONG
EAST ABUTMENT
W.B. STRUCTURE**

**138 + 17.59
SKEW ALONG
EAST ABUTMENT
E.B. STRUCTURE**

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USER NAME = jstein
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DRAWN *JWS*
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DATE *8/6/2009*

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

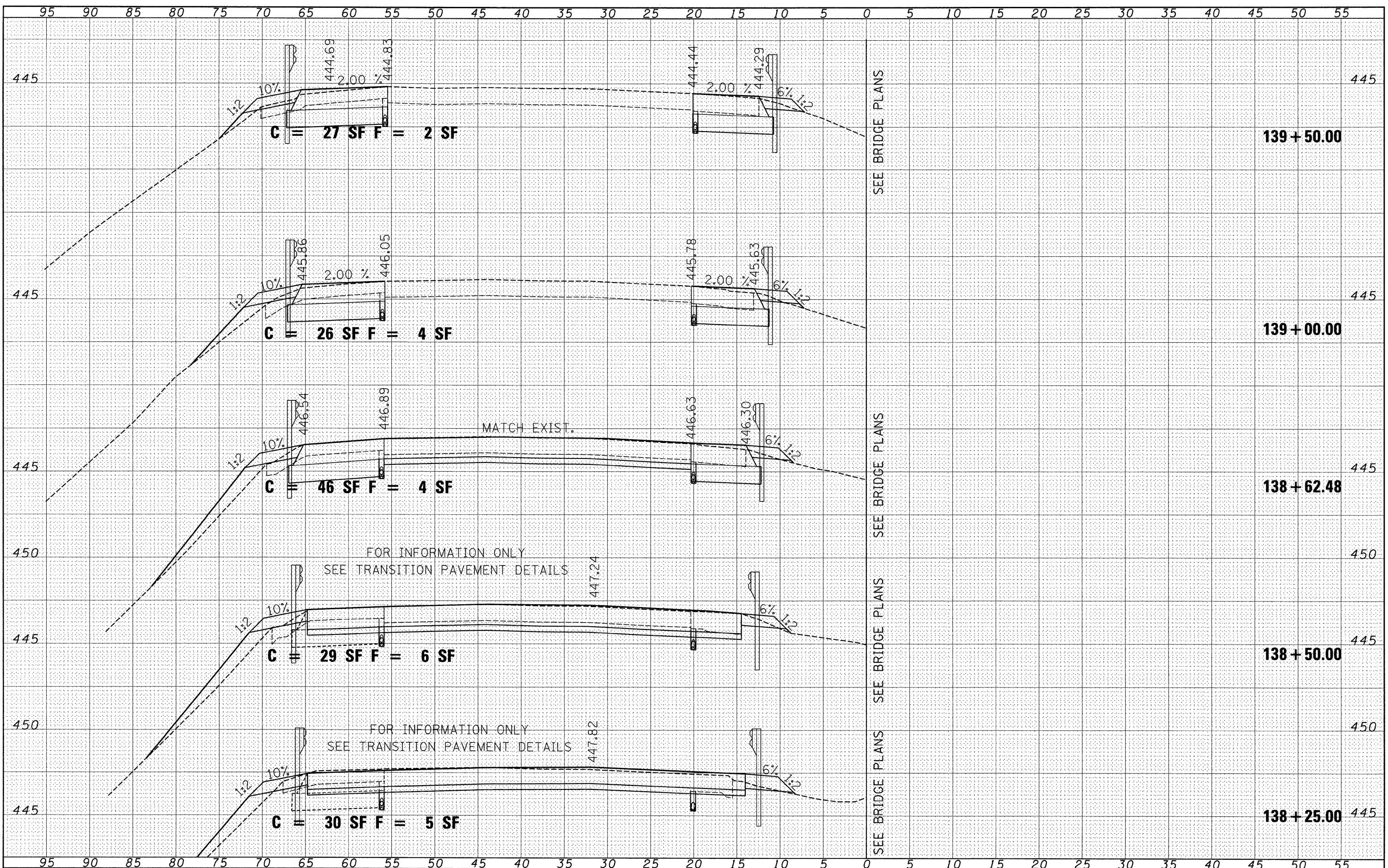
CROSS SECTIONS

SCALE: 1" = 5' SHEET NO. 11 OF 23 SHEETS STA. 138+17.59 TO STA. 138+17.59

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	141
CONTRACT NO. 76867				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

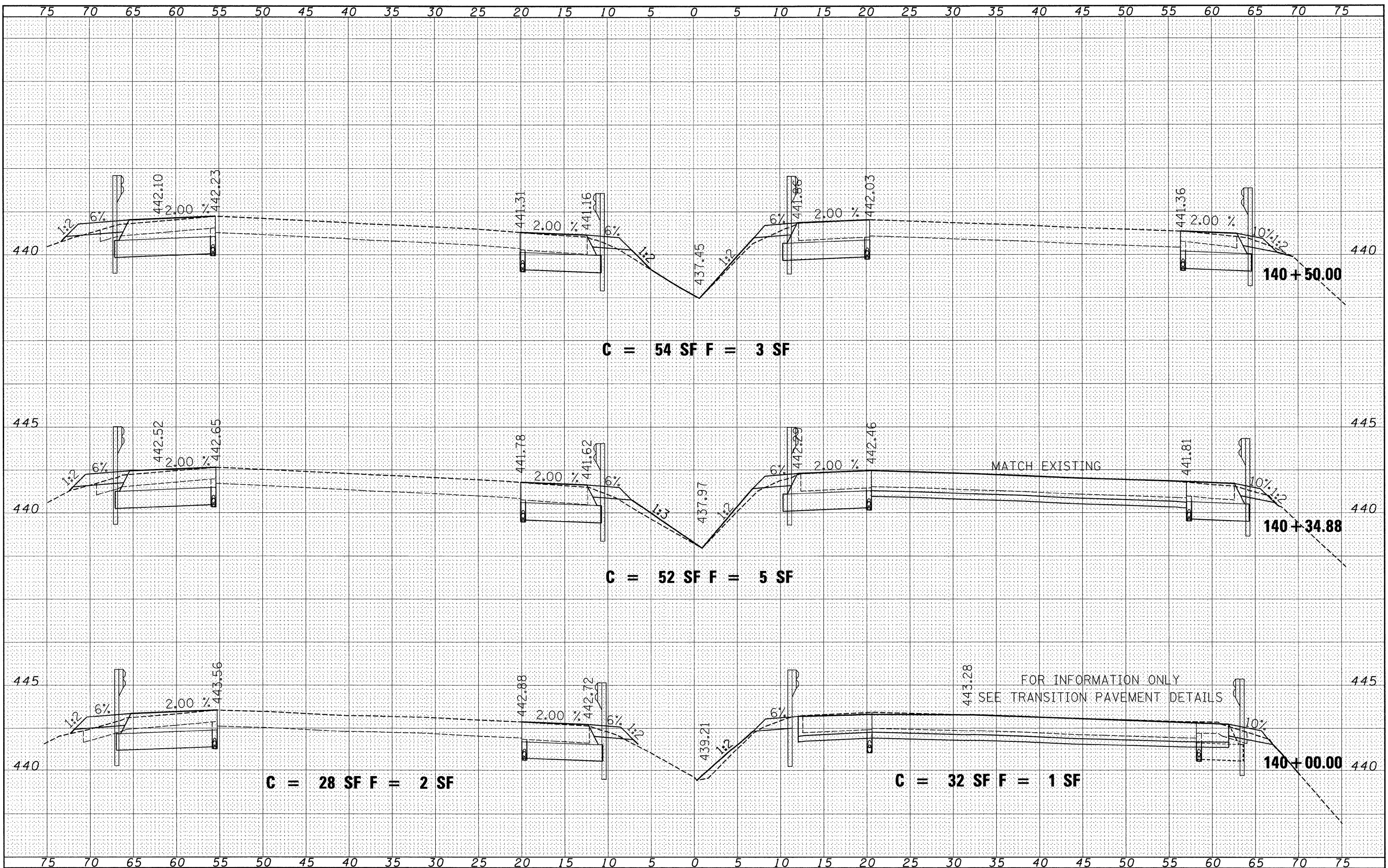
CROSS SECTIONS

SCALE: 1" = 5' SHEET NO. 12 OF 23 SHEETS STA. 138+25.00 TO STA. 139+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	142
CONTRACT NO. 76867				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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 CHECKED SJK
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

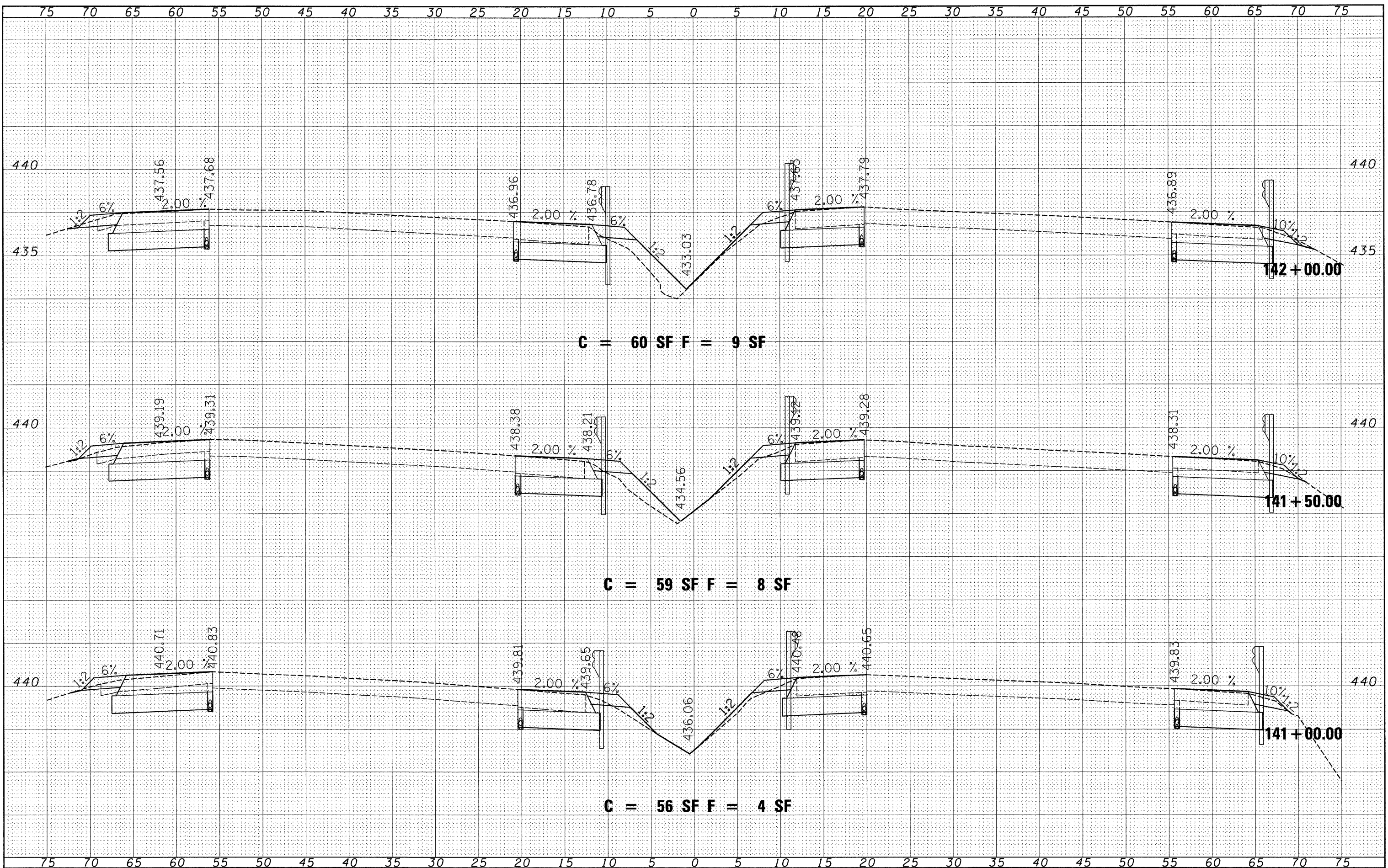
CROSS SECTIONS

SCALE: 1" = 5' SHEET NO. 13 OF 23 SHEETS STA. 140+00.00 TO STA. 140+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	143
CONTRACT NO. 76867				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY
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 NOTE BOOK
 AREAS CHECKED
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ORIGINAL SURVEY
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 NOTE BOOK
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C = 59 SF F = 8 SF

C = 56 SF F = 4 SF

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 CHECKED SJK
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

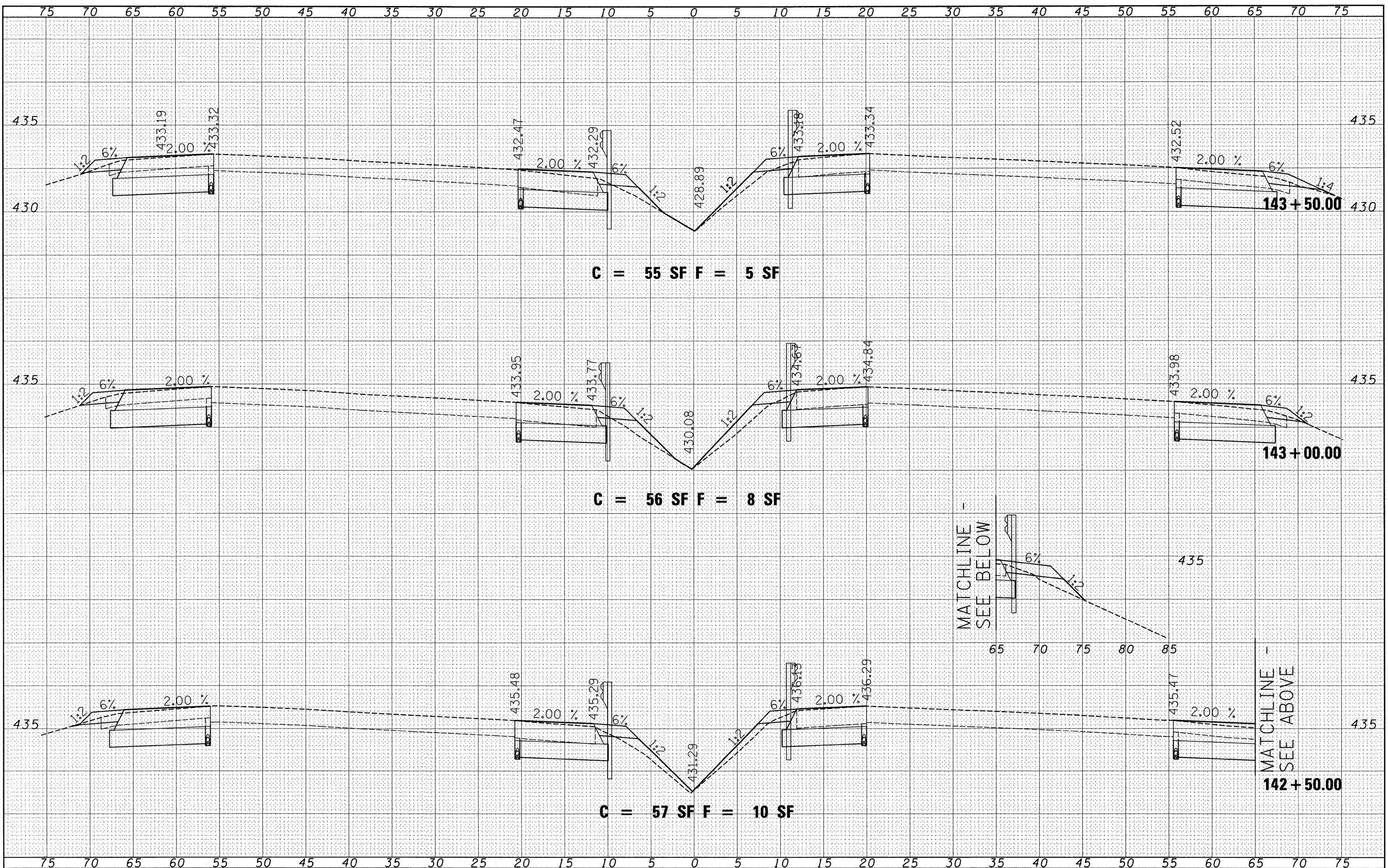
CROSS SECTIONS

SCALE: 1" = 5' SHEET NO. 14 OF 23 SHEETS STA. 141+00.00 TO STA. 142+00.00

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	144
CONTRACT NO. 76867				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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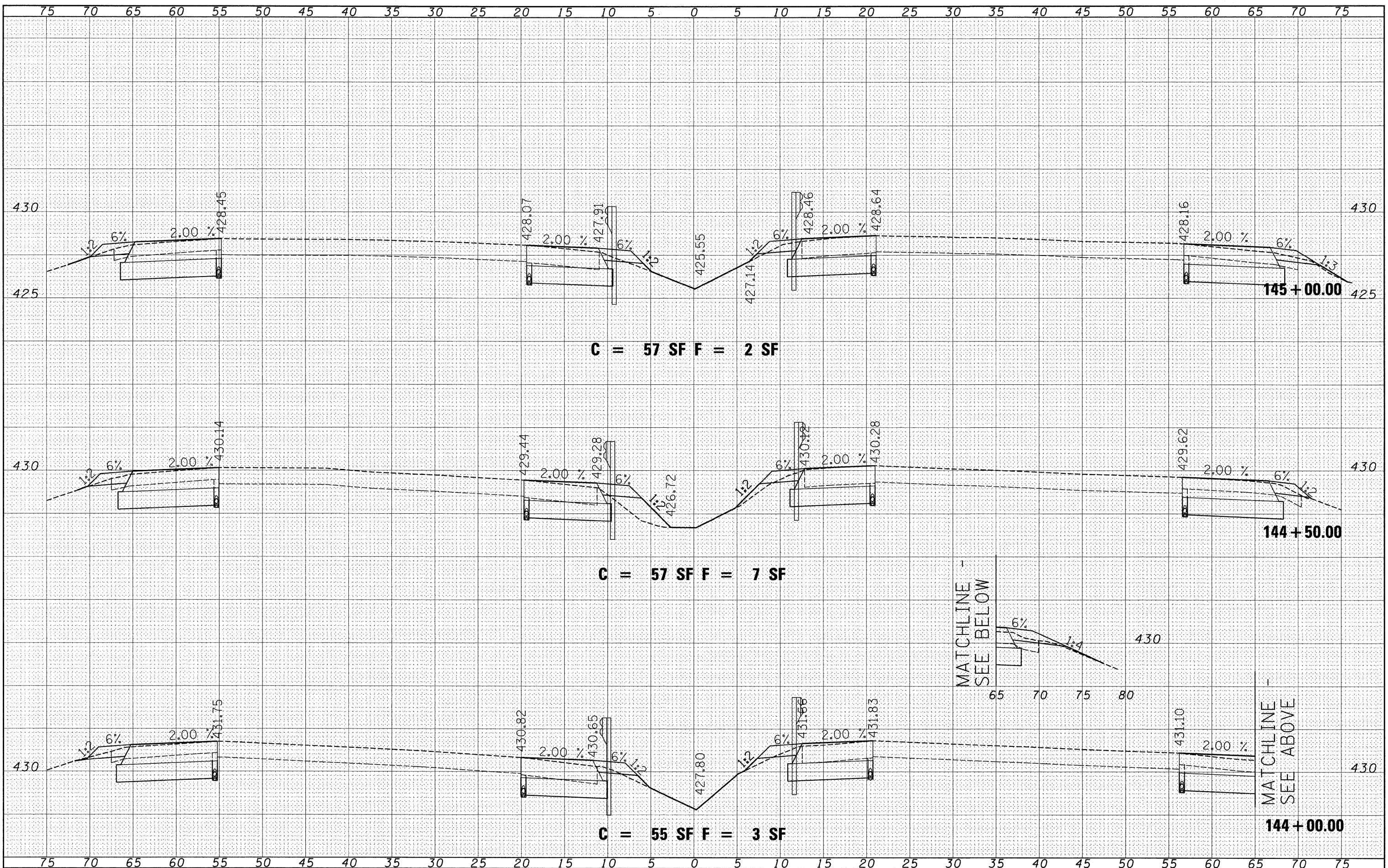
MATCHLINE -
SEE BELOW

MATCHLINE -
SEE ABOVE

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P:\060601B\dgn\CADD Sheets\0876876-sht-xsht.dgn		DRAWN <i>JWS</i>	REVISED -		SCALE: 1" = 5'	SHEET NO. 15 OF 23 SHEETS	STA. 142+50.00 TO STA. 143+50.00	CONTRACT NO. 76867				
		CHECKED <i>SJK</i>	REVISED -					ILLINOIS FED. AID PROJECT				
		DATE 8/6/2009	REVISED -									

BY	DATE
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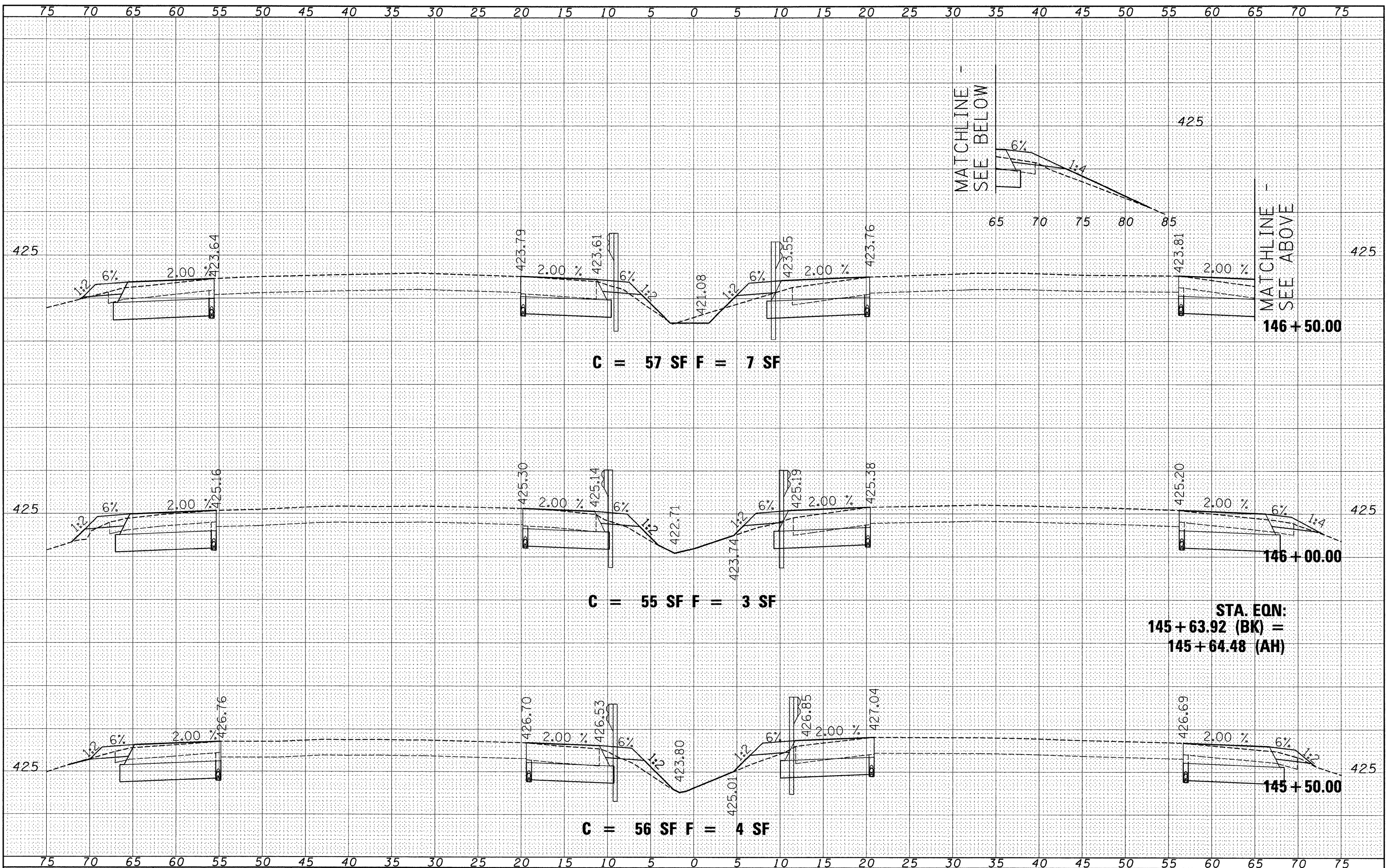
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: 1" = 5'
 SHEET NO. 16 OF 23 SHEETS
 STA. 144+00.00 TO STA. 145+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	146
CONTRACT NO. 76867				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY PLOTTED DATE AREAS CHECKED

ORIGINAL SURVEY PLOTTED DATE AREAS CHECKED



MATCHLINE - SEE BELOW

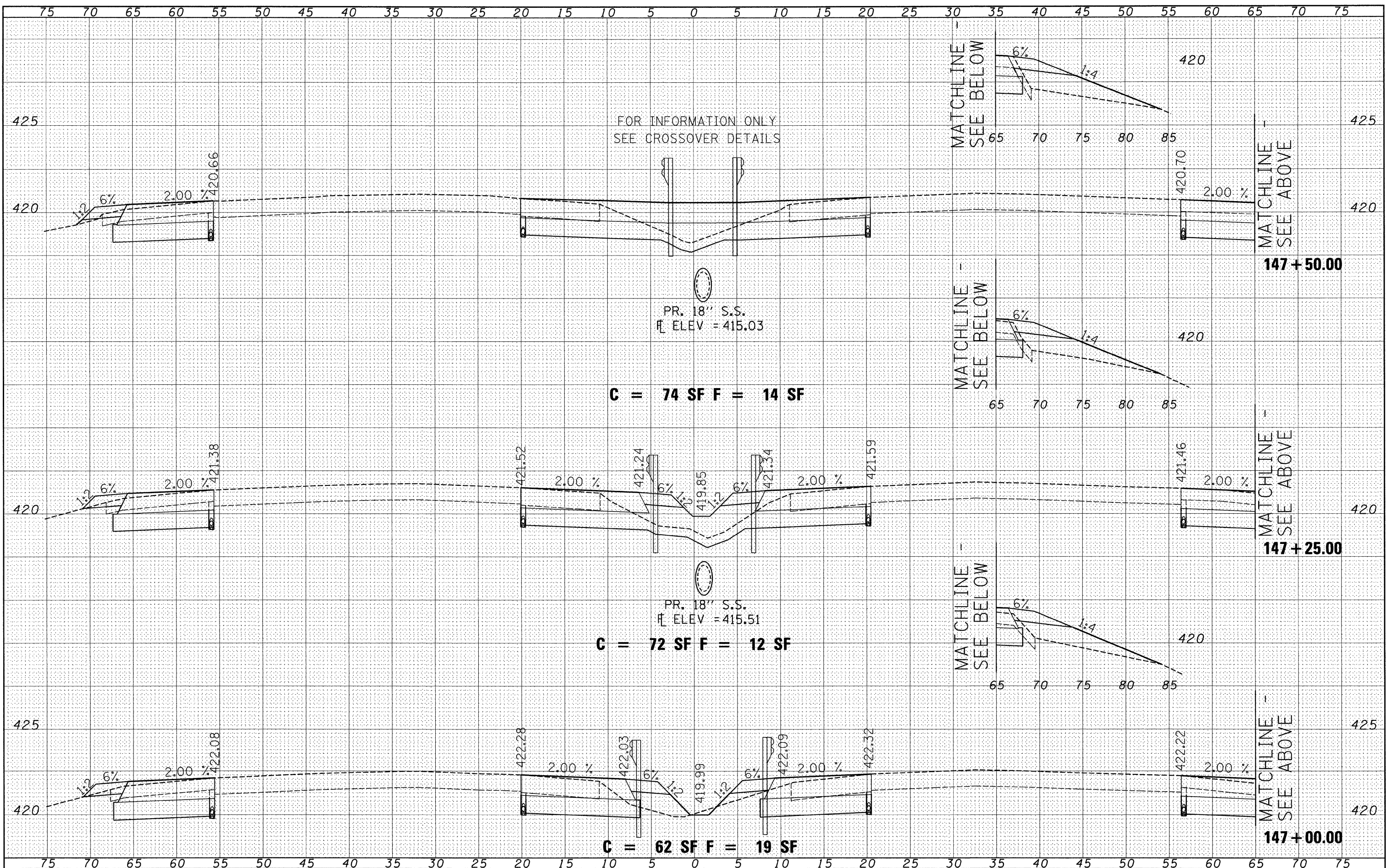
MATCHLINE - SEE ABOVE

STA. EQN:
145 + 63.92 (BK) =
145 + 64.48 (AH)

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PLOT SCALE = 5.0000' / IN.	CHECKED SJK	REVISD -	REVISD -			SCALE: 1" = 5'	SHEET NO. 17 OF 23 SHEETS	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76867	
PLOT DATE = 8/6/2009	DATE 8/6/2009	REVISD -	REVISD -			STA. 145+50.00 TO STA. 146+50.00				

DATE	
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FINAL SURVEY	
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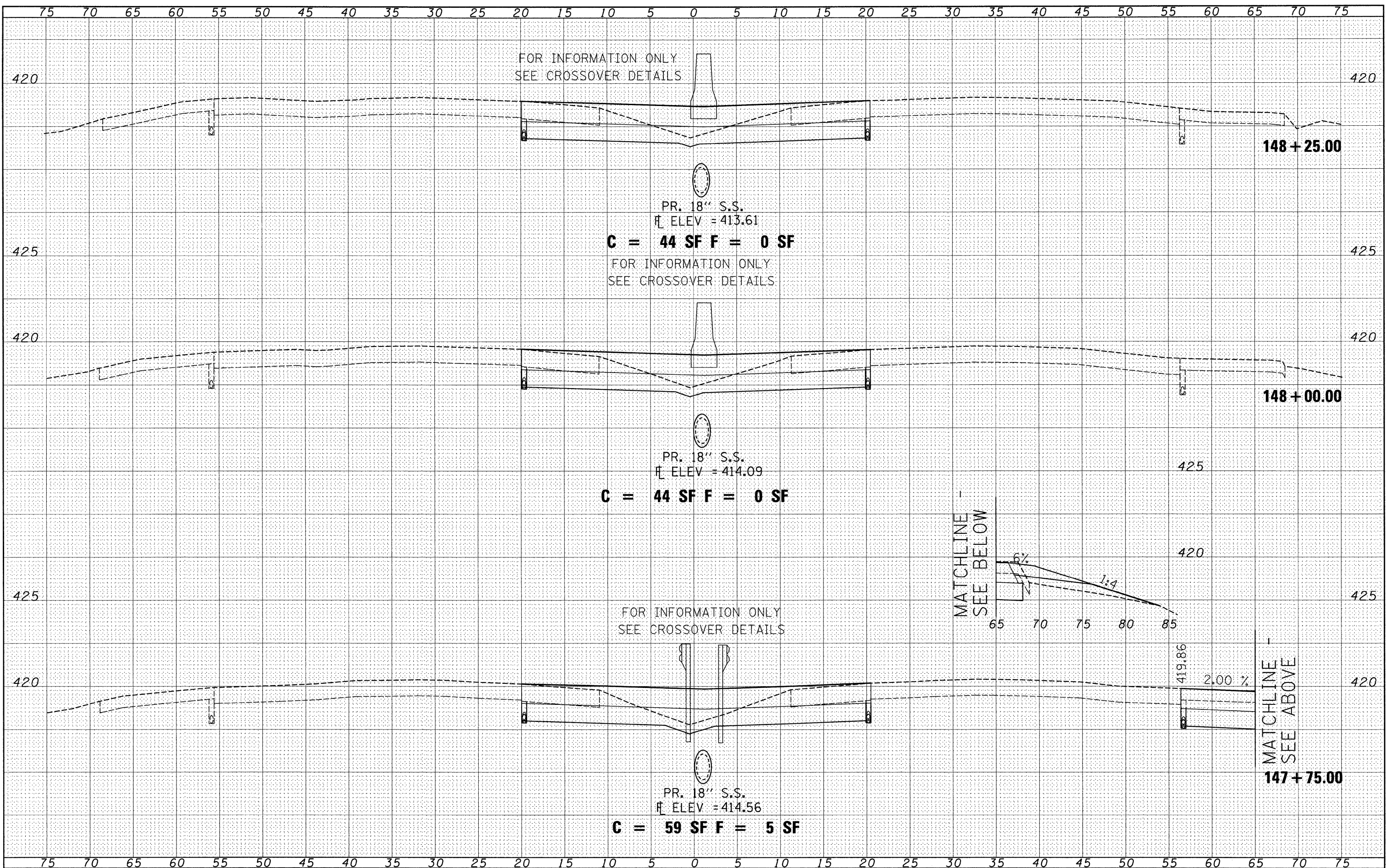
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: 1" = 5'
 SHEET NO. 18 OF 23 SHEETS
 STA. 147+00.00 TO STA. 147+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	148
CONTRACT NO. 76867				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
SURVEYED	
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NOTE BOOK	
AREAS CHECKED	
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DATE	
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 CHECKED SJK
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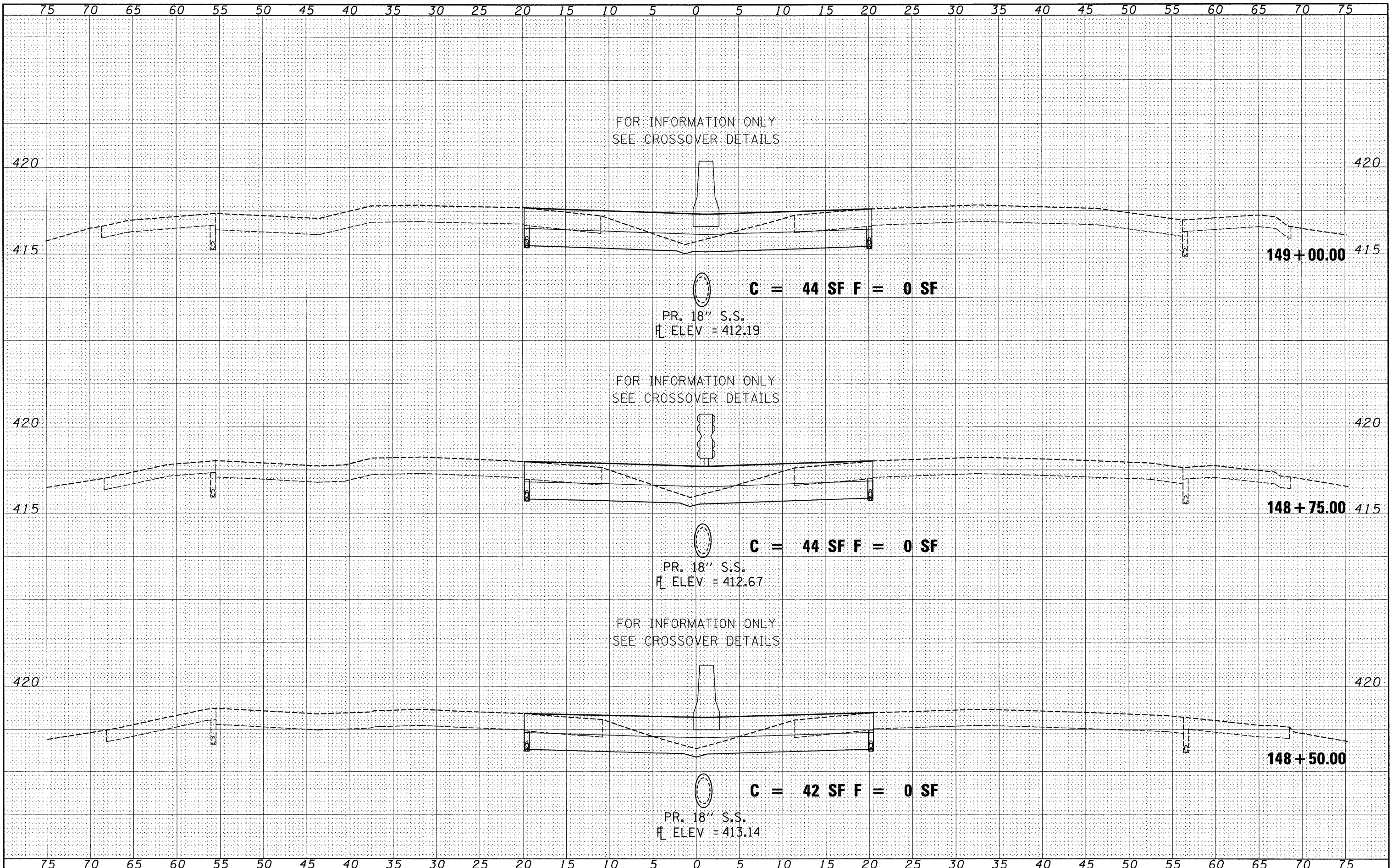
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: 1" = 5'
 SHEET NO. 19 OF 23 SHEETS
 STA. 147+75.00 TO STA. 148+25.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	149
CONTRACT NO. 76867				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

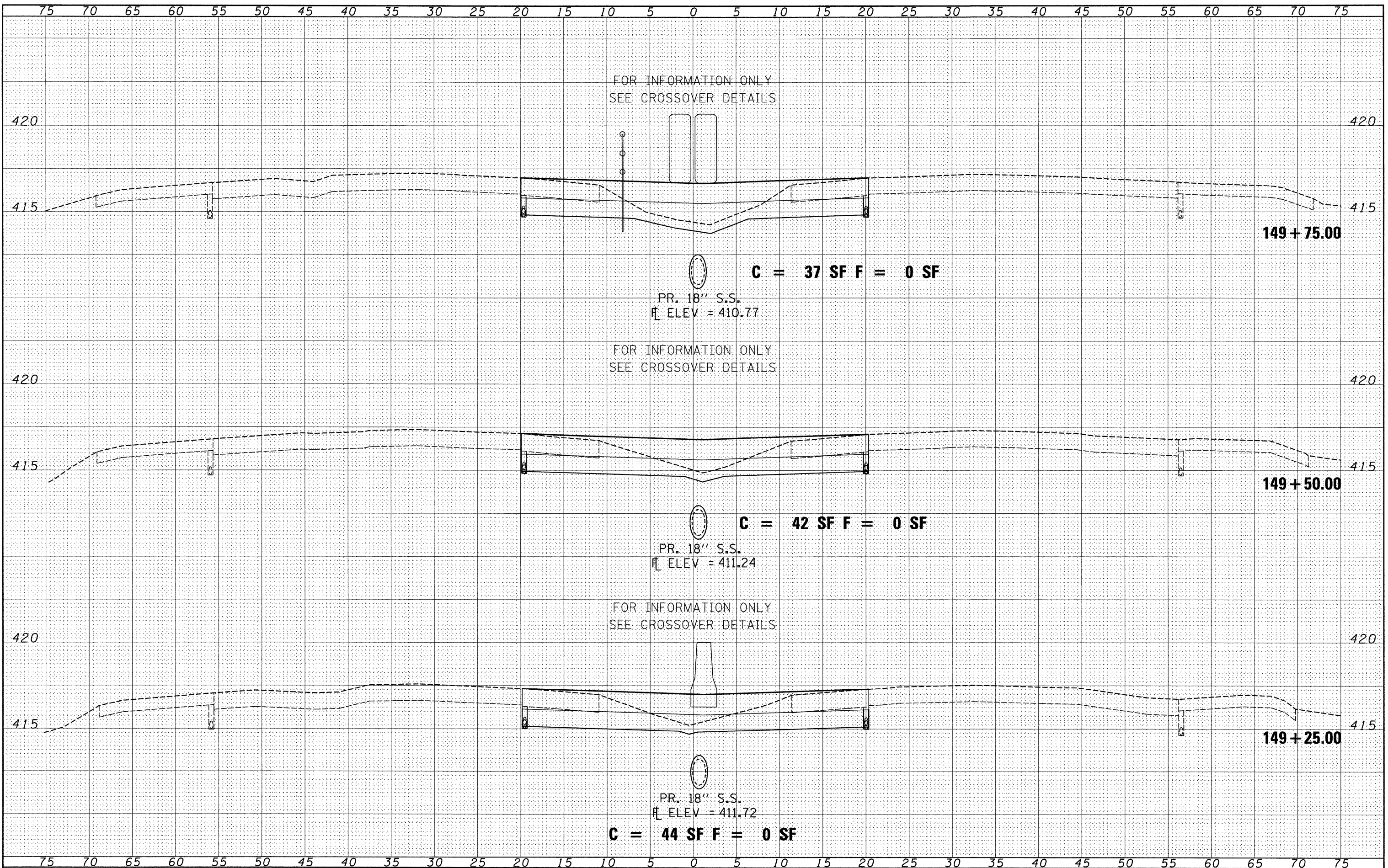
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NOTE BOOK	
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 CHECKED SJK
 DATE 8/6/2009

REVISIONS
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

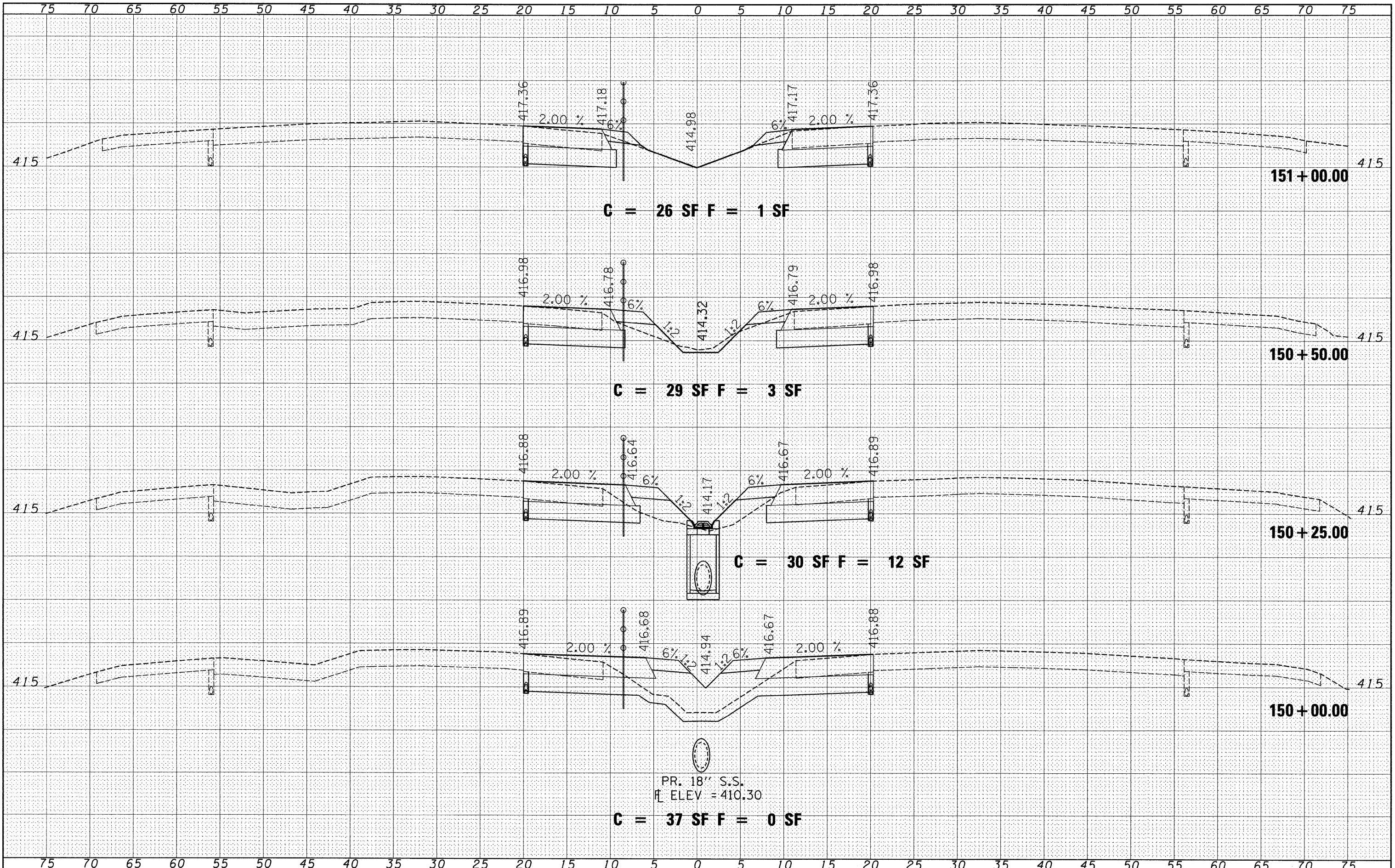
CROSS SECTIONS
 SCALE: 1" = 5'
 SHEET NO. 21 OF 23 SHEETS
 STA. 149+25.00 TO STA. 149+75.00

F.A.I. RTE. 64	SECTION 82-2VB-2	COUNTY ST. CLAIR	TOTAL SHEETS 153	SHEET NO. 151
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 76867

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 BY _____
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 NOTE BOOK _____
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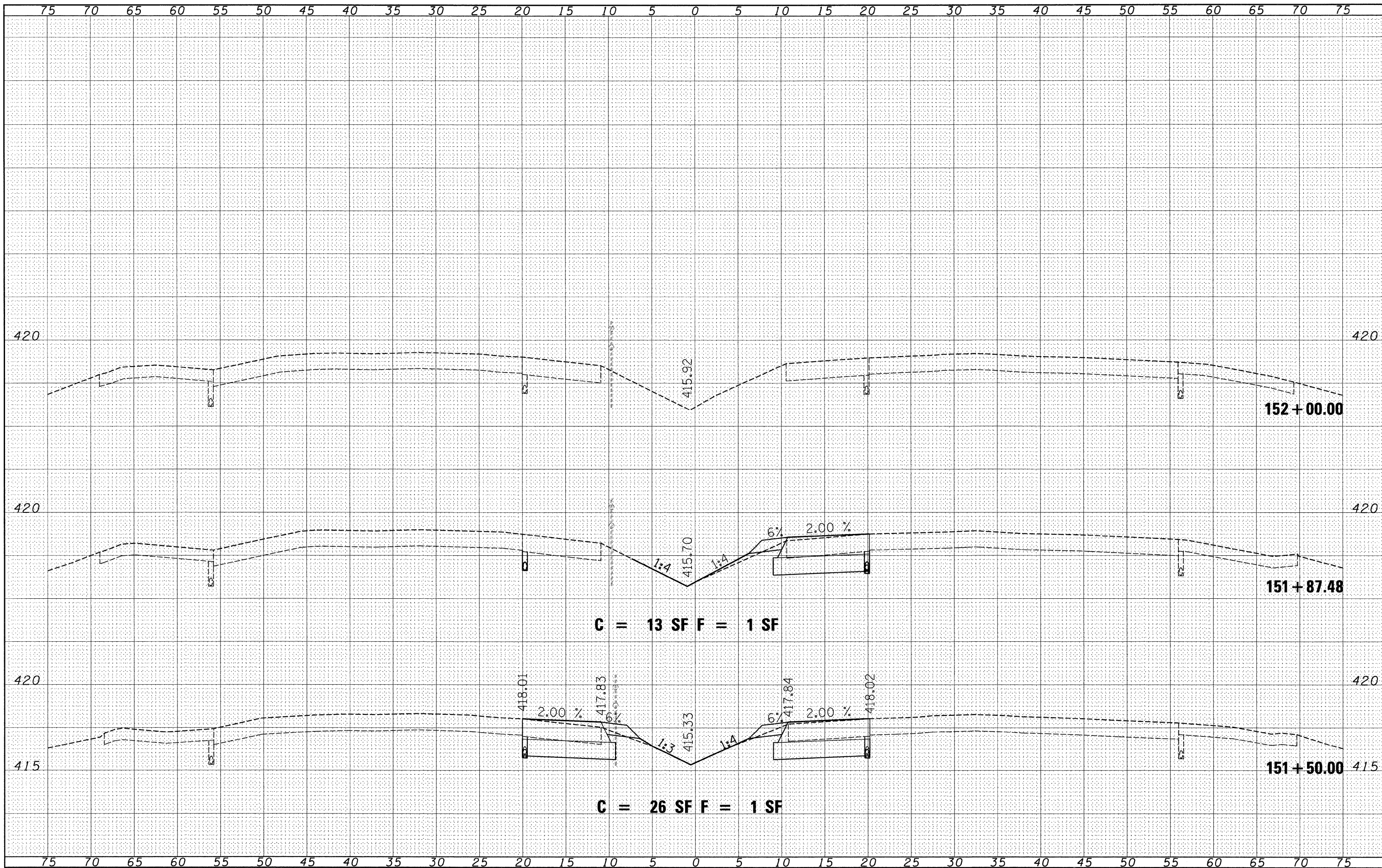
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: 1" = 5'
 SHEET NO. 22 OF 23 SHEETS
 STA. 150+00.00 TO STA. 151+00.00

F.A.I. RTE. 64	SECTION 82-2VB-2	COUNTY ST. CLAIR	TOTAL SHEETS 153	SHEET NO. 152
CONTRACT NO. 76867			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
NO. _____	_____
SURVEYED	BY
PLANNED	_____
NOTE BOOK	_____
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ORIGINAL SURVEY	DATE
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SURVEYED	BY
PLANNED	_____
NOTE BOOK	_____
AREAS CHECKED	_____



C = 13 SF F = 1 SF

C = 26 SF F = 1 SF

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USER NAME = jstein
 DESIGNED JWS
 DRAWN JWS
 CHECKED SJK
 DATE 8/6/2009

REVISIONS
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1" = 5' SHEET NO. 23 OF 23 SHEETS STA. 151+50.00 TO STA. 152+00.00

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	153
CONTRACT NO. 76867				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT