

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 710 (OLD BUS. RTE. 51)
SECTION D7 BRIDGE PAINTING 2014-4

**BRIDGE PAINTING
MACON COUNTY**

C-97-075-13

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 7600 (2010)

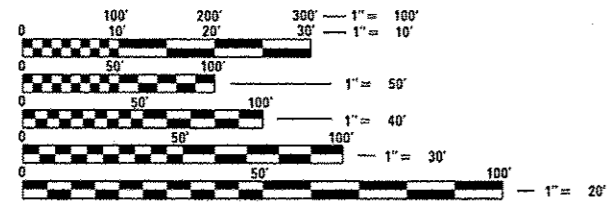
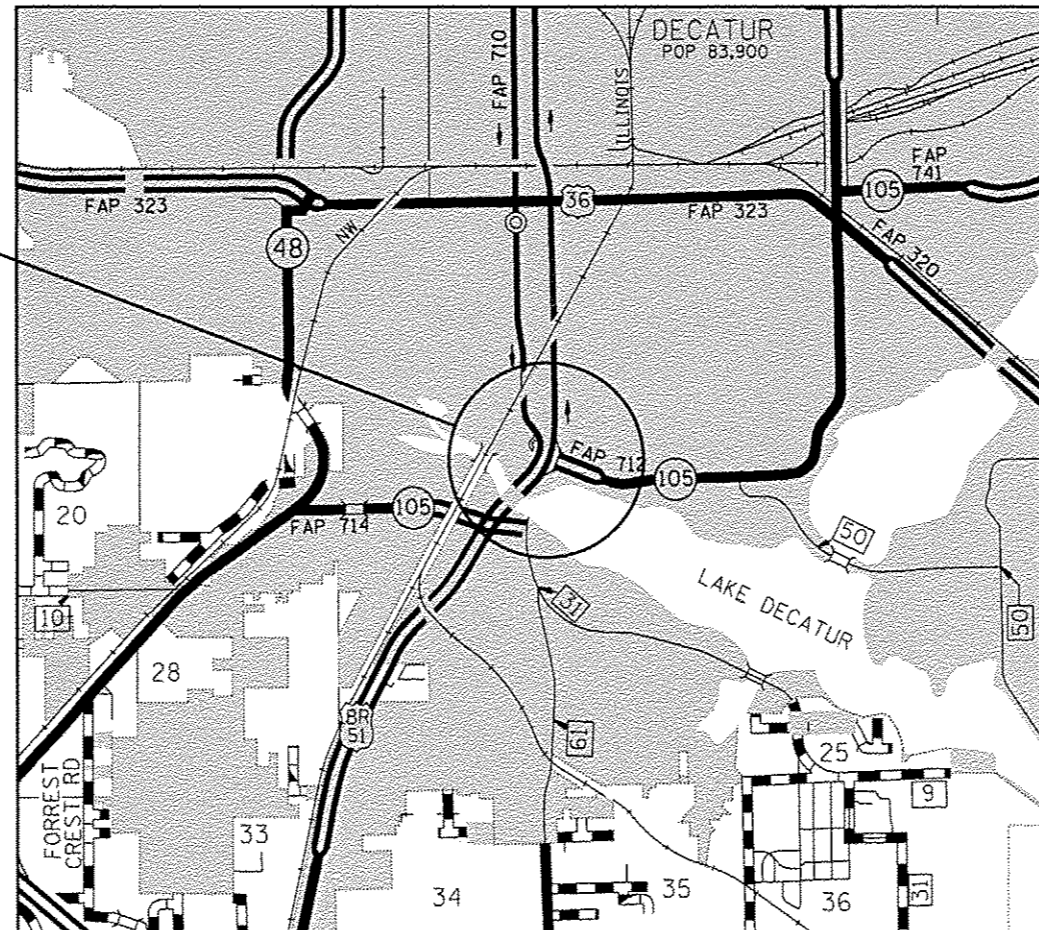
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
710		MACON	16	1
		ILLINOIS	CONTRACT NO. 74629	

*D7 BRIDGE PAINTING 2014-4

D-97-029-13



LOCATION
S.N. 058-0007
S.N. 058-0008



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: TOM RONAN
PROJECT MANAGER: TOM RONAN
PHONE (217)-342-8320
CONTRACT NO. 74629

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Aug 23 2013
Roger L. D'Amico
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 4 2013
John D. Baranzelli, PE
acting ENGINEER OF DESIGN AND ENVIRONMENT

October 4 2013
Omar Osman, PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, GENERAL NOTES, LOCATION DESCRIPTIONS,
3	SUMMARY OF QUANTITIES
4-16	EXISTING STRUCTURE PLANS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 16:

STANDARD 701001-02	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
STANDARD 701006-04	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
STANDARD 701101-03	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
STANDARD 701106-02	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
STANDARD 701601-08	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
STANDARD 701606-08	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
STANDARD 701901-02	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012; THE SUPPLEMENTAL SPECIFICATIONS, THE RECURRING SPECIAL PROVISIONS, AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THE PROPOSED PROJECT IS LOCATED AT 2 STRUCTURES AT 1 LOCATION IN MACON COUNTY IN DISTRICT 7. THE LOCATION IS AT STRUCTURE NUMBERS 058-0007 AND 058-0008 ON OLD BUSINESS ROUTE 51 IN DECATUR IN MACON COUNTY.

THE WORK INCLUDED IN THIS SECTION CONSISTS OF CLEANING AND PAINTING THE BRIDGES AS SPECIFIED IN THE PLANS AND SPECIAL PROVISIONS.

THE STRUCTURAL STEEL SHALL BE CLEANED AND PAINTED AS SPECIFIED IN THE PLANS AND THE SPECIAL PROVISIONS.

ALL DECK DRAINS ON BOTH STRUCTURES SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - OZ/E/U. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THEIR OWN EXPENSE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ONLY STRUCTURAL STEEL IS TO BE PAINTED. ALL OTHER SURFACES WILL BE PROTECTED FROM BEING PAINTED. ALL PAINT AND OVERSPRAY WILL BE REMOVED AT THE CONTRACTOR'S EXPENSE.

THE SSPC OP1 AND OP2 PAINTING CONTRACTOR CERTIFICATION WILL BE REQUIRED FOR THIS PROJECT.

STRUCTURE LOCATION DESCRIPTIONS

ROUTE: FAP 710
 MARKED: US 51
 SECTION: 48HBR-1
 STATION: 107+09.49
 STRUCTURE NUMBER: 058-0007

TYPE OF BRIDGE: Wide Flange I-Beams-3 Spans (7 Beams)
 LOCATION: In Decatur
 FEATURE CARRIED/SPANNED: US 51 (SB) over ILL 105

COLOR OF THE FINISH COAT SHALL BE GRAY, MUNSELL 5B 7/1.

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All structural steel, including beams, bearings, and diaphragms shall be cleaned by SSPC-SP10- Near White Metal Blast Cleaning.

The designated areas cleaned per Near White Metal Blast Cleaning - SSPC-SP10 shall be painted according to the requirements of Paint System 1 - OZ/E/U.

~~Four air monitors will be required at this bridge.~~

THE EXISTING COATINGS ARE NON-LEAD.

ROUTE: FAP 710
 MARKED: US 51
 SECTION: 48HBR
 STATION: 1006+70.22
 STRUCTURE NUMBER: 058-0008

TYPE OF BRIDGE: Wide Flange I-Beams-3 Spans (6 Beams)
 LOCATION: In Decatur
 FEATURE CARRIED/SPANNED: US 51 (NB) over ILL 105

COLOR OF THE FINISH COAT SHALL BE GRAY, MUNSELL 5B 7/1.

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All structural steel, including beams, bearings, and diaphragms shall be cleaned by SSPC-SP10- Near White Metal Blast Cleaning.

The designated areas cleaned per Near White Metal Blast Cleaning - SSPC-SP10 shall be painted according to the requirements of Paint System 1 - OZ/E/U.

Four air monitors will be required at this bridge.

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		INDEX OF SHEETS, GENERAL NOTES AND STRUCTURE LOCATION DESCRIPTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	staffennk	-	-			SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.		710	.	MACON	16	2
	74629-shl-index.dgn	DRAWN	REVISED					ILLINOIS FED. AID PROJECT				
	PLOT SCALE = 100.0000' / 1" /	CHECKED	REVISED					CONTRACT NO. 74629				
	PLOT DATE = 8/23/2013	DATE	REVISED									

*07 BRIDGE PAINTING 2014-4

Rev.

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE
CODE NO	ITEM	UNIT		0014
67100100	MOBILIZATION	L SUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
X7010232	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL	L SUM	1	1
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
Z0007112	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES	L SUM	1	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1	1
Z0007114	CONTAINMENT AND DISPOSAL OF NON- LEAD PAINT CLEANING RESIDUES	L SUM	1	1

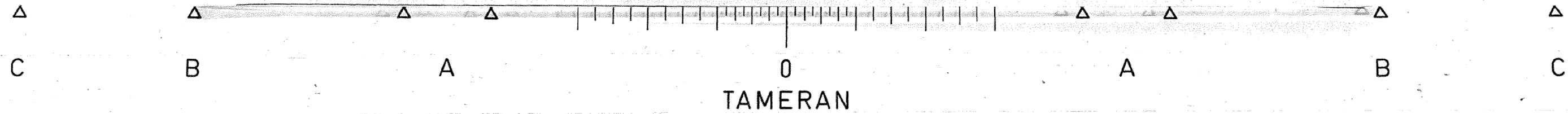
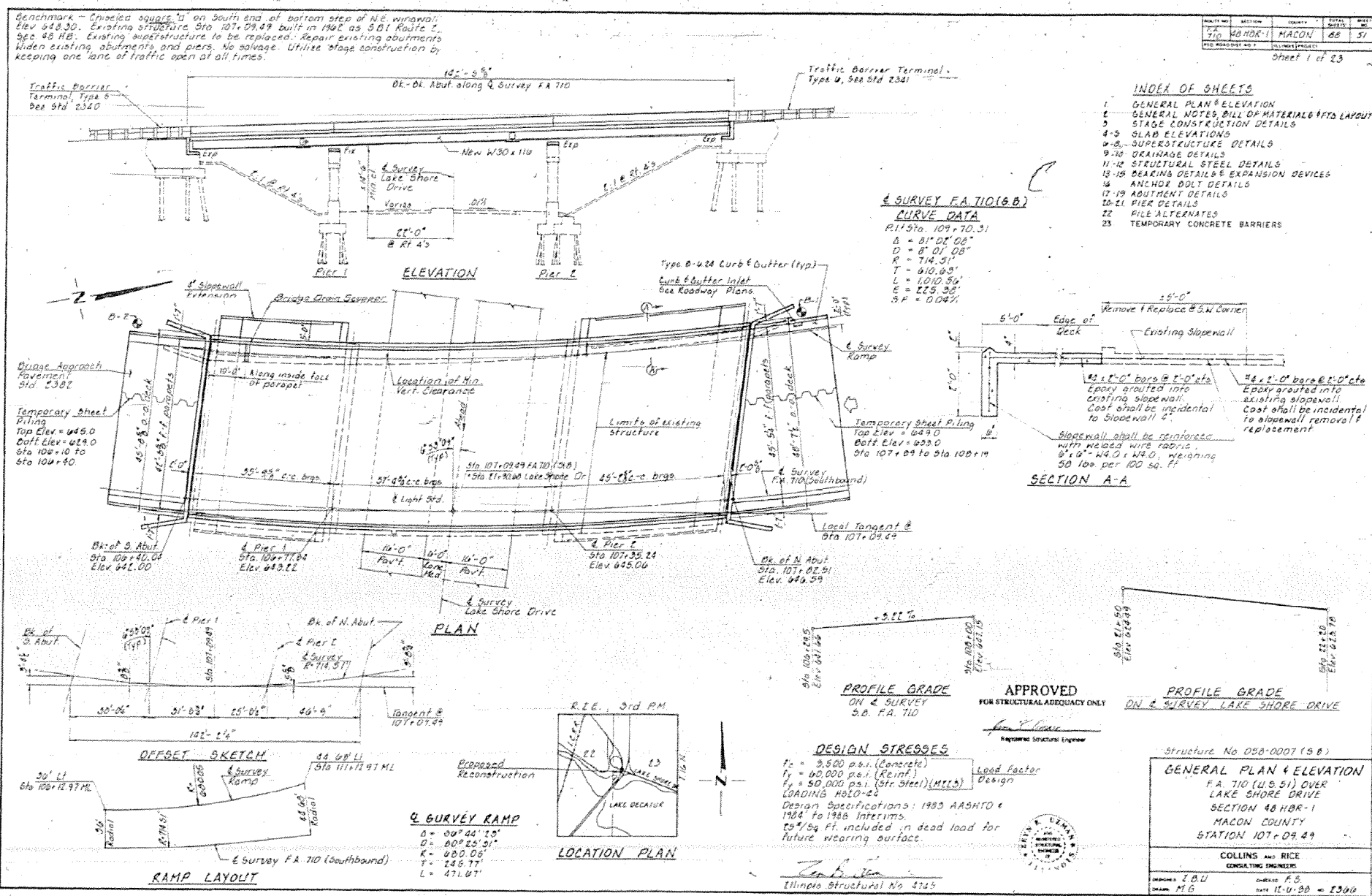
8

FILE NAME :	USER NAME : steffennk	DESIGNED -	REVISED -
c:\pwworkspace\steffennk\03140346\074629.sht	74629.sht	DRAWN -	REVISED -
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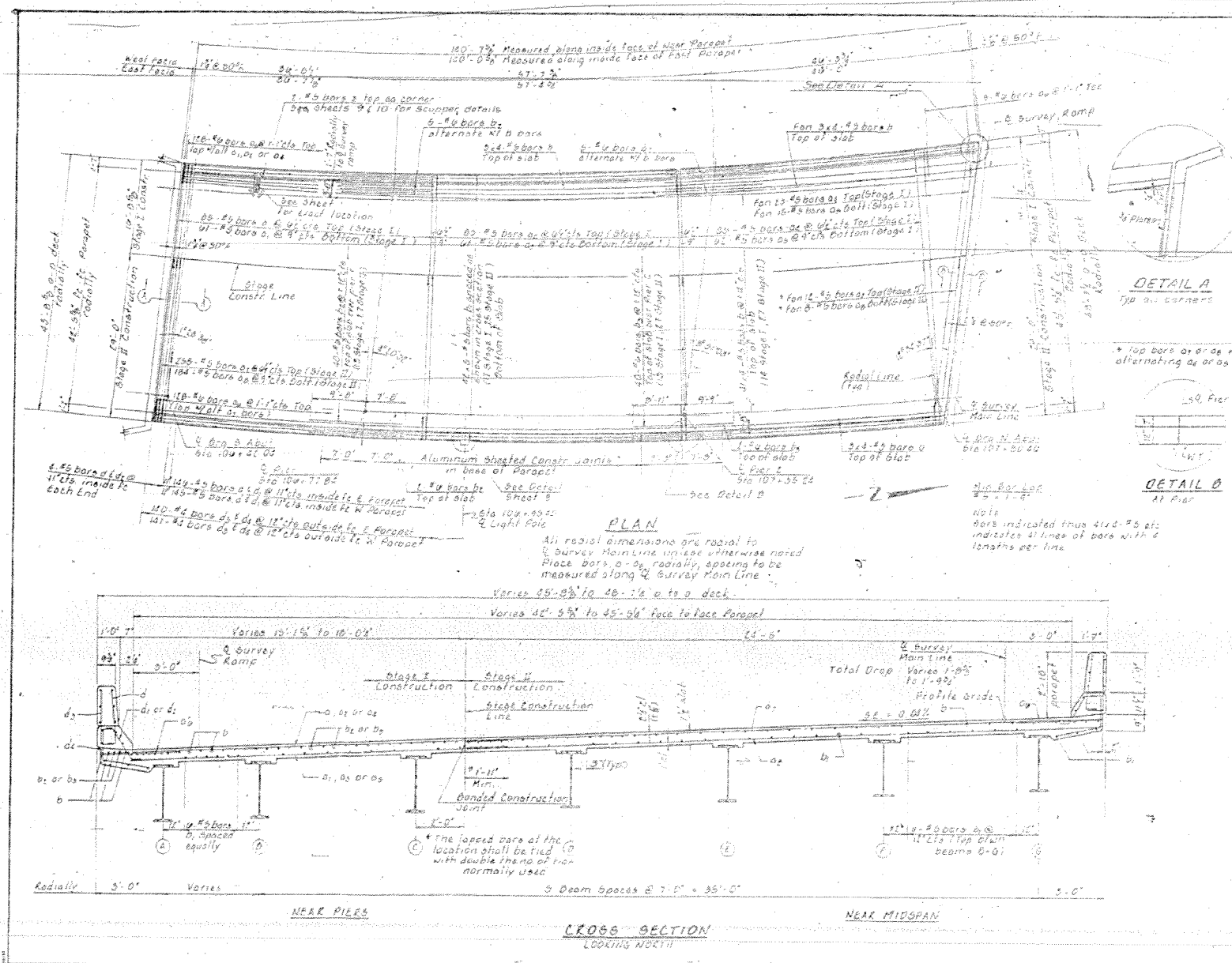
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: N/A	SHEET 1	OF 1	SHEETS
STA.	TO STA.		

*07 BRIDGE PAINTING 2014-4					Rev.
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
710	*	MACON	16	3	
CONTRACT NO.			74629		
ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLAN S.N. 058-0007	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT DATE = 8/23/2013	CHECKED -	REVISED -			CONTRACT NO. 74629					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



BILL OF MATERIAL - SUPERSTRUCTURE

BAR NO	SIZE	LENGTH	SHAPE
a1	#5	11.0	100
a2	#5	11.0	100
a3	#5	11.0	100
a4	#5	11.0	100
a5	#5	11.0	100
a6	#5	11.0	100
a7	#5	11.0	100
a8	#5	11.0	100
a9	#5	11.0	100
a10	#5	11.0	100
b1	#5	11.0	100
b2	#5	11.0	100
b3	#5	11.0	100
b4	#5	11.0	100
b5	#5	11.0	100
b6	#5	11.0	100
b7	#5	11.0	100
b8	#5	11.0	100
b9	#5	11.0	100
b10	#5	11.0	100
c1	#5	11.0	100
c2	#5	11.0	100
c3	#5	11.0	100
c4	#5	11.0	100
c5	#5	11.0	100
c6	#5	11.0	100
c7	#5	11.0	100
c8	#5	11.0	100
c9	#5	11.0	100
c10	#5	11.0	100

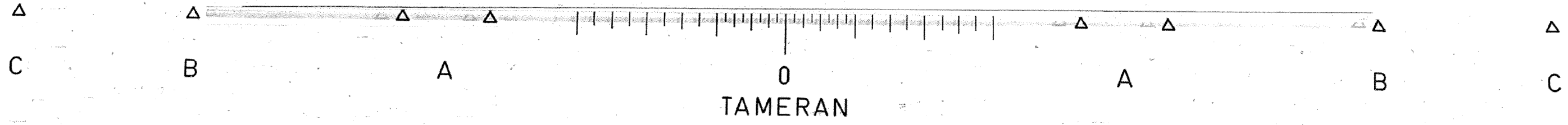
DETAIL A
Typical corners

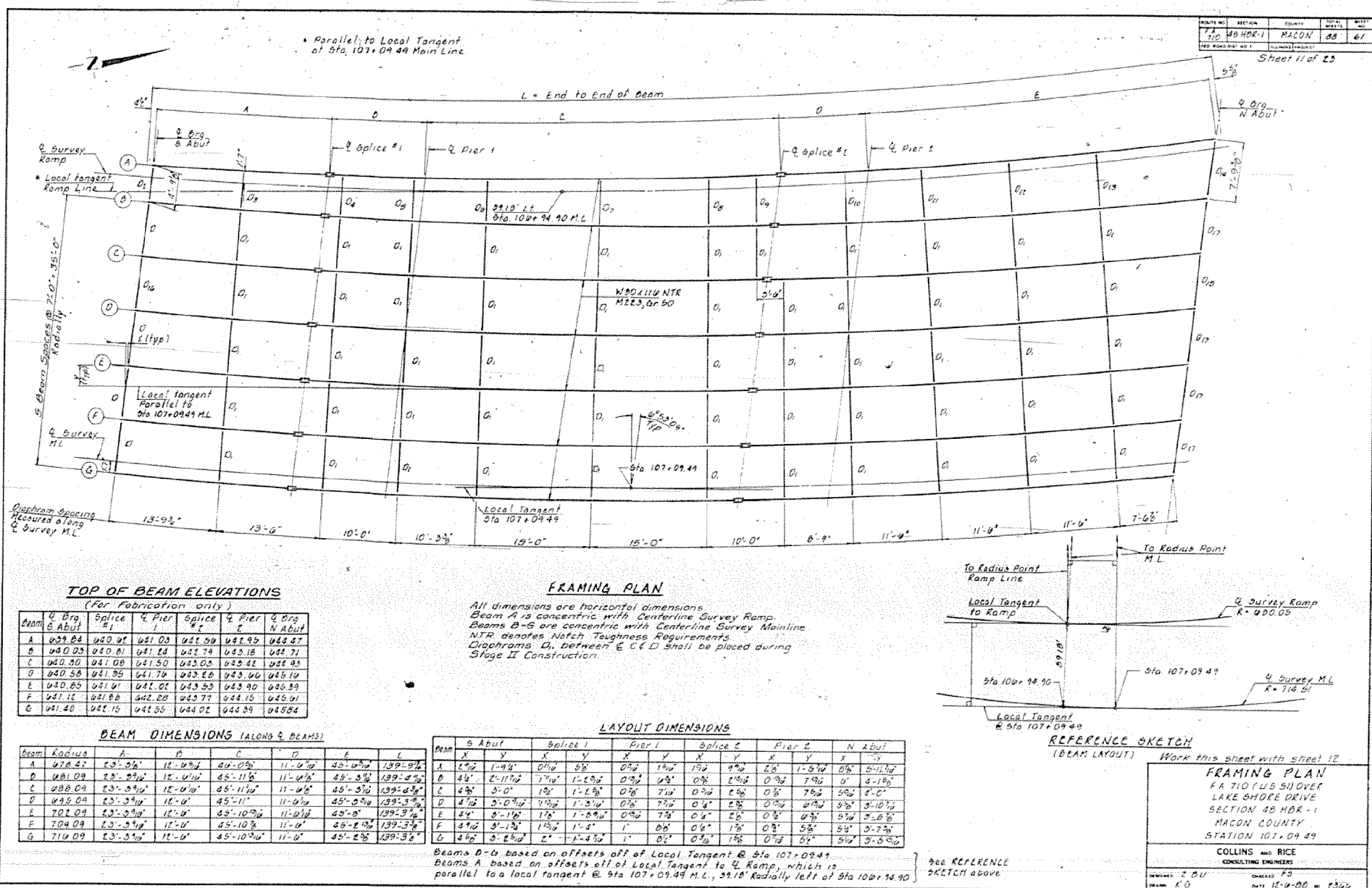
DETAIL B
At Pier

PLAN
All radial dimensions are radial to Survey Main Line unless otherwise noted. Place bars a1-a10 radially, spacing to be measured along Survey Main Line.

CROSS SECTION
LOOKING NORTH

Work this area with sheet 758
SUPERSTRUCTURE
FA TIE-UPS OVER LAKE SHORE DECK SECTION ID 144-1
MAJOR COUNT: STATION 107.0441
COLLINS AND RICE
CONSULTING ENGINEER





TOP OF BEAM ELEVATIONS
(For Fabrication only)

Beam	Q. Brg. & Abut.	Splice #1	Q. Pier #1	Splice #2	Q. Pier #2	Q. Brg. & Abut.
A	042.84	040.91	041.03	041.59	042.95	044.81
B	040.03	040.81	041.84	042.74	043.18	042.71
C	040.30	041.08	041.50	043.03	043.42	042.43
D	040.58	041.85	041.79	043.28	043.00	042.19
E	040.85	041.01	042.01	043.53	043.90	045.39
F	041.12	041.80	042.20	043.77	044.10	045.01
G	041.40	042.10	042.55	044.02	044.39	045.04

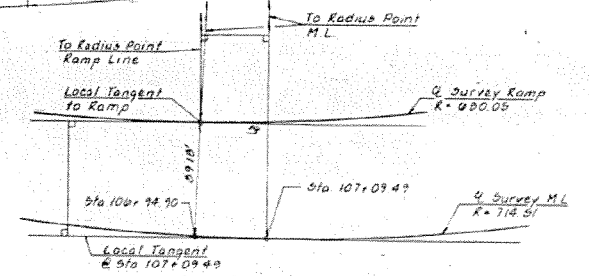
BEAM DIMENSIONS (ALONG Q. BEAMS)

Beam	Radius	A	B	C	D	E	L
A	078.27	13'-3 1/2"	11'-0 1/2"	49'-0 1/2"	11'-0 1/2"	45'-0 1/2"	139'-0 1/2"
B	061.09	13'-3 1/2"	11'-0 1/2"	45'-11 1/2"	11'-0 1/2"	45'-3 1/2"	139'-0 1/2"
C	068.09	13'-3 1/2"	11'-0 1/2"	45'-11 1/2"	11'-0 1/2"	45'-3 1/2"	139'-0 1/2"
D	045.04	13'-3 1/2"	11'-0 1/2"	45'-11 1/2"	11'-0 1/2"	45'-3 1/2"	139'-0 1/2"
E	062.09	13'-3 1/2"	11'-0 1/2"	45'-10 1/2"	11'-0 1/2"	45'-3 1/2"	139'-0 1/2"
F	064.09	13'-3 1/2"	11'-0 1/2"	45'-10 1/2"	11'-0 1/2"	45'-3 1/2"	139'-0 1/2"
G	071.09	13'-3 1/2"	11'-0 1/2"	45'-10 1/2"	11'-0 1/2"	45'-3 1/2"	139'-0 1/2"

LAYOUT DIMENSIONS

Beam	S. Abut.		Splice #1		Pier #1		Splice #2		Pier #2		N. Abut.	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
A	17 1/2	1-9 1/2	0 1/2	5 1/2	0 1/2	14 1/2	1 1/2	2 1/2	2 1/2	1-5 1/2	0 1/2	5 1/2
B	4 1/2	2-11 1/2	7 1/2	1-1 1/2	0 1/2	4 1/2	0 1/2	1 1/2	0 1/2	7 1/2	0 1/2	4-18 1/2
C	4 1/2	3-0	1 1/2	1-1 1/2	0 1/2	7 1/2	0 1/2	1 1/2	0 1/2	7 1/2	0 1/2	4-18 1/2
D	4 1/2	3-0 1/2	7 1/2	1-3 1/2	0 1/2	7 1/2	0 1/2	1 1/2	0 1/2	7 1/2	0 1/2	4-18 1/2
E	4 1/2	3-1 1/2	7 1/2	1-0 1/2	0 1/2	7 1/2	0 1/2	1 1/2	0 1/2	7 1/2	0 1/2	4-18 1/2
F	4 1/2	3-1 1/2	7 1/2	1-0 1/2	0 1/2	7 1/2	0 1/2	1 1/2	0 1/2	7 1/2	0 1/2	4-18 1/2
G	4 1/2	3-2 1/2	2 1/2	1-4 1/2	1 1/2	0 1/2	0 1/2	1 1/2	0 1/2	7 1/2	0 1/2	4-18 1/2

Beams B-G based on offsets off of Local Tangent @ Sta 107+09.49
 Beams A based on offsets off of Local Tangent to Q. Ramp, which is parallel to a local tangent @ Sta 107+09.49 M.L., 59.18' Radially left of Sta 100+14.90

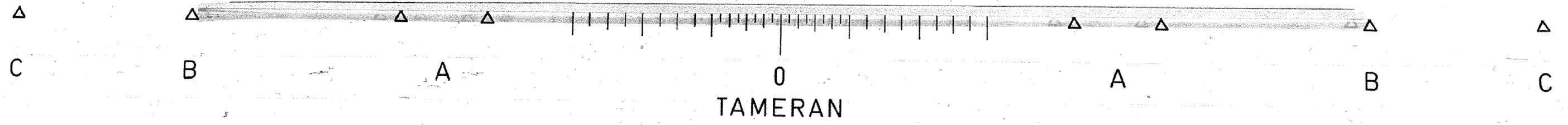


REFERENCE SKETCH
(BEAM LAYOUT) Work this sheet with sheet 12

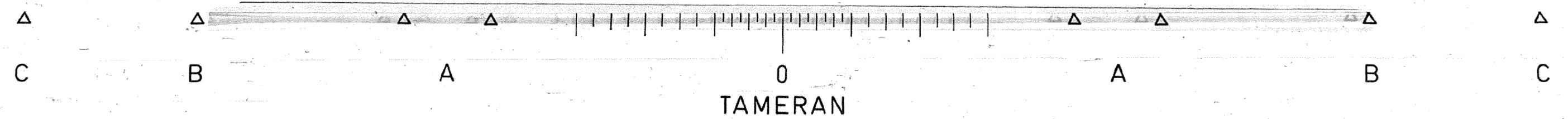
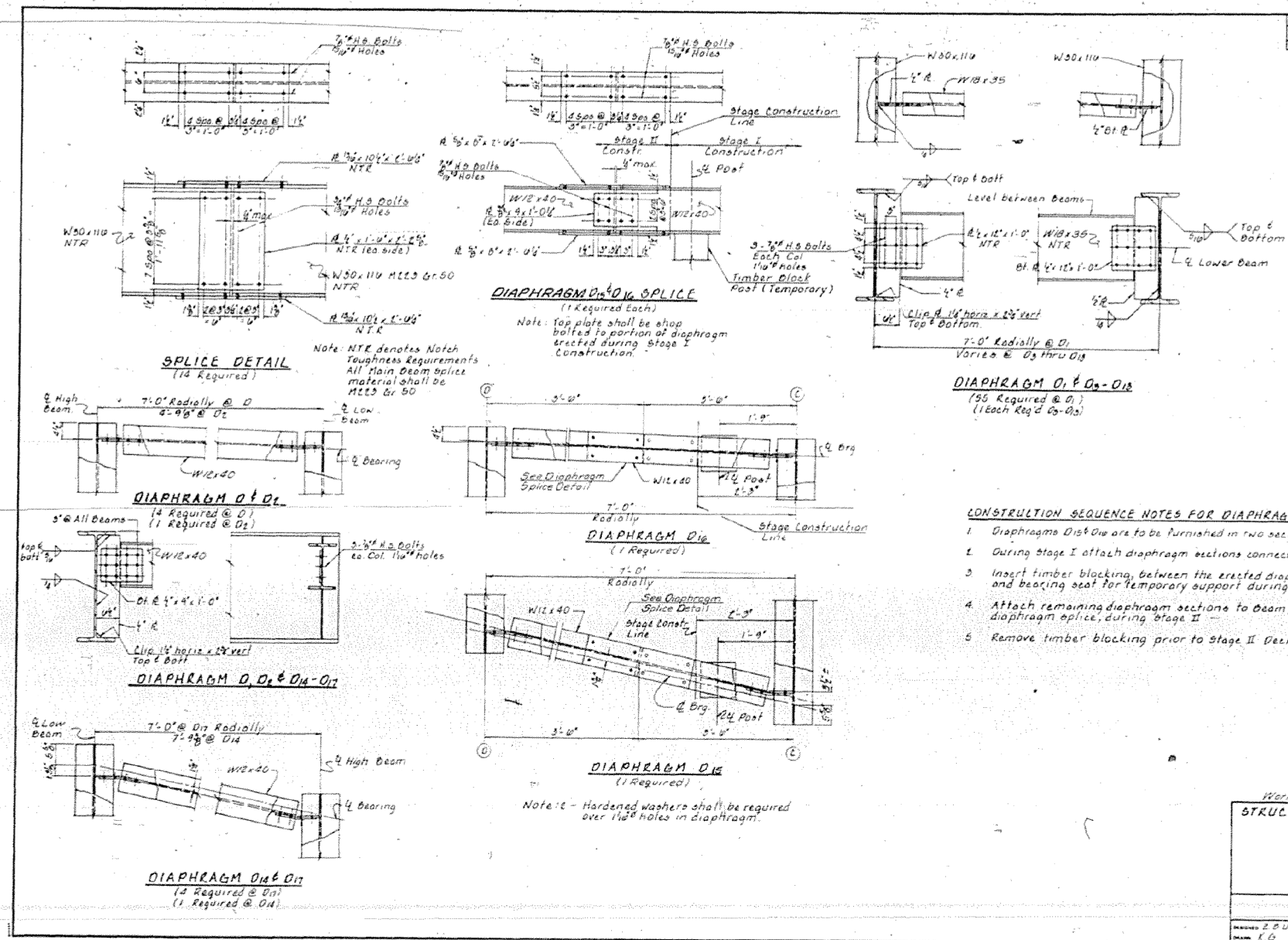
FRAMING PLAN
 FA 710 (US 50) OVER
 LAKE SHORE DRIVE
 SECTION 48 HBR-1
 MACON COUNTY
 STATION 107+09.49

COLLINS AND RICE
 CONSULTING ENGINEERS

DESIGNED: Z.B.U. DRAWN: L.C.
 CHECKED: F.S. DATE: 11-19-00 BY: L.S.G.



SECTION NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
40	40 H&I-1	MACON	68	42
SHEET 12 OF 13				



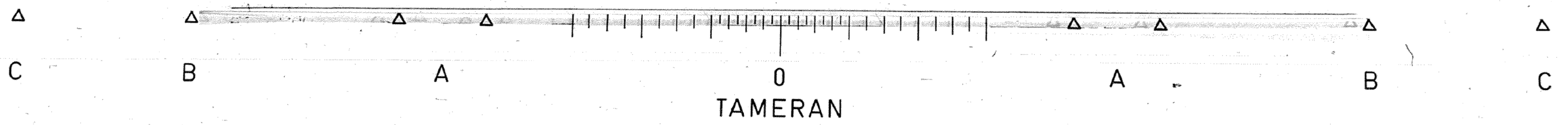
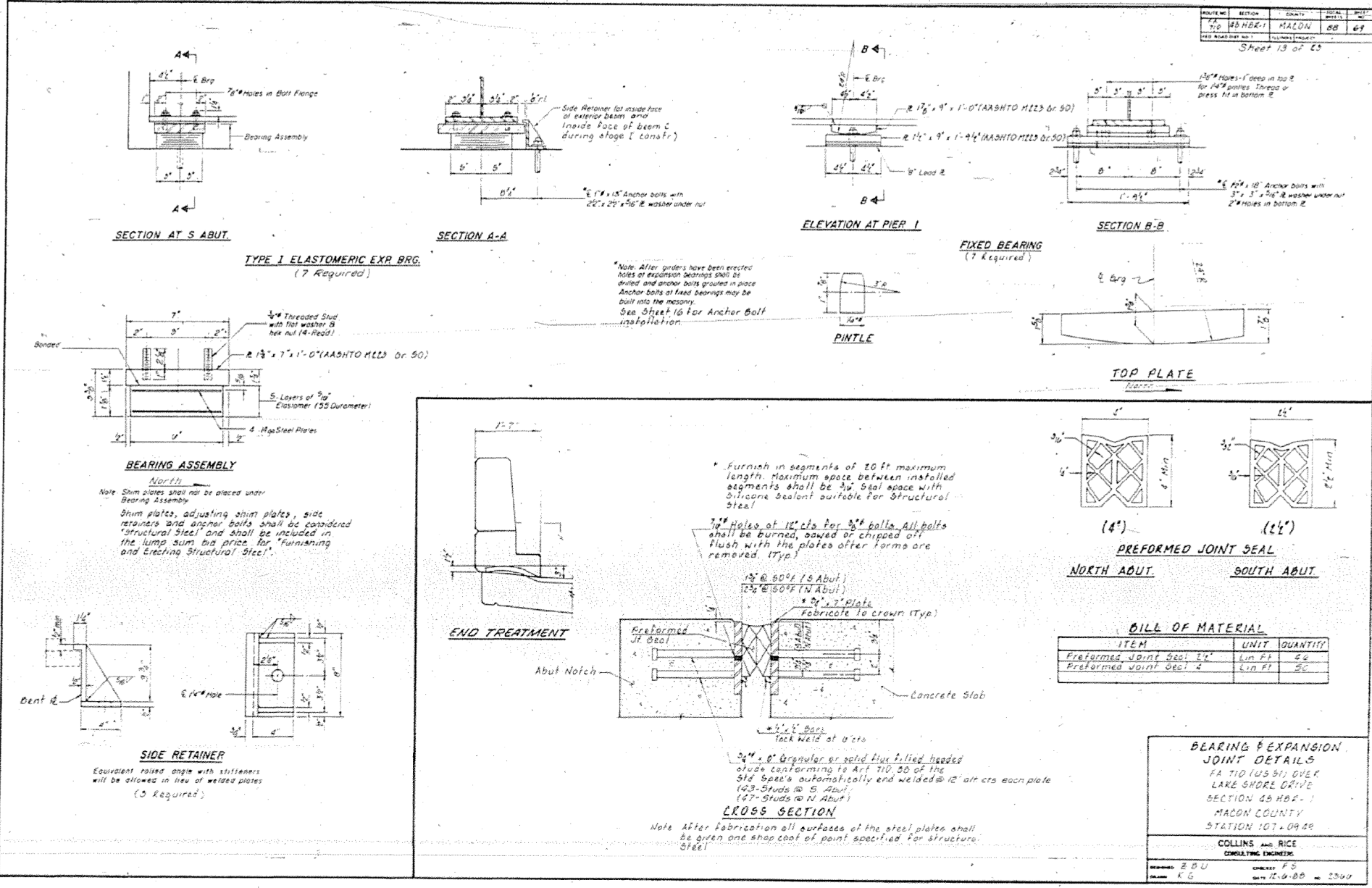
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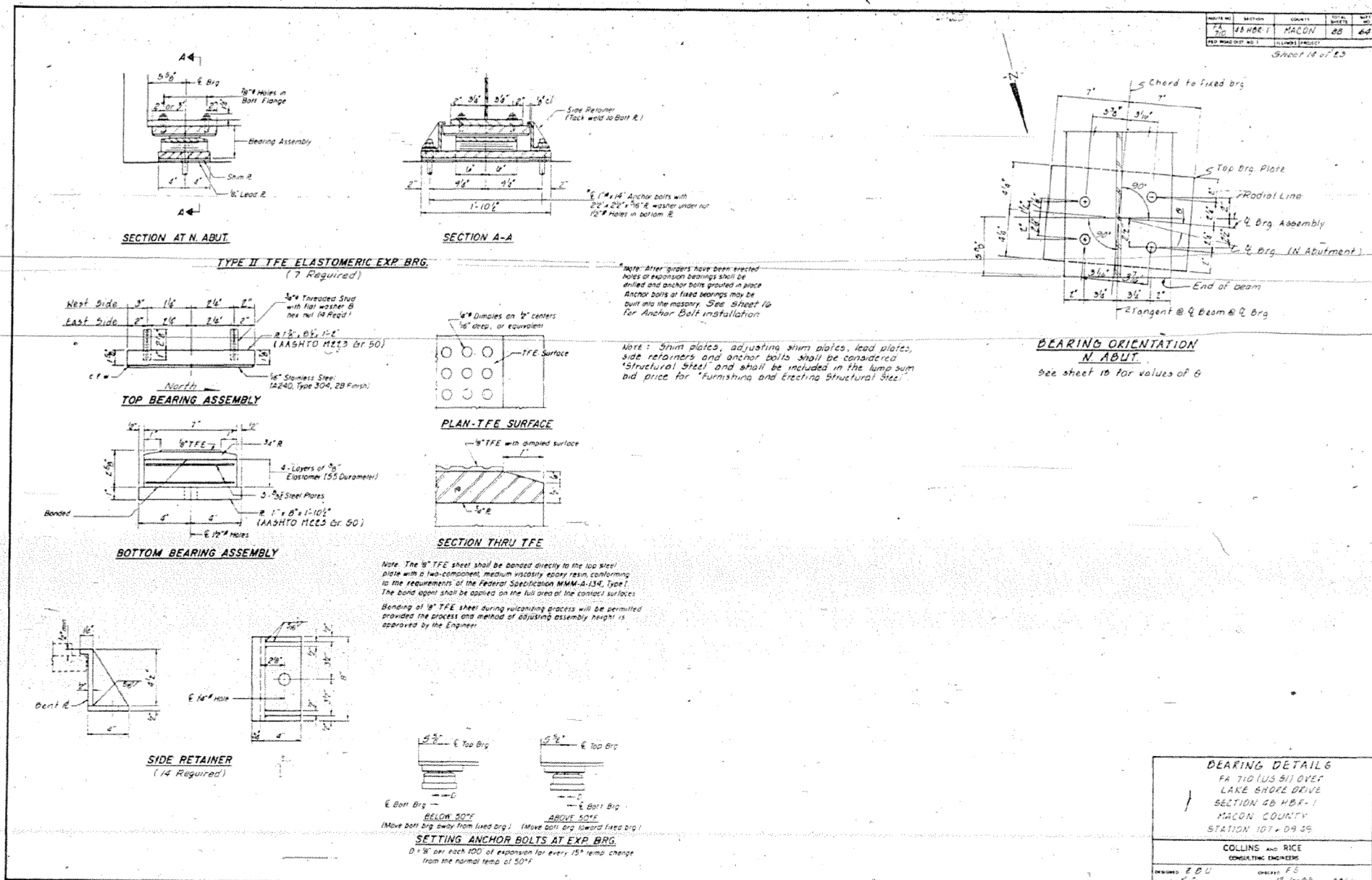
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLAN			
S.N. 058-0007			
SCALE: N/A	SHEET 4	OF 13 SHEETS	STA. TO STA.

*D7 BRIDGE PAINTING 2014-4				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
710	.	MACON	16	7
CONTRACT NO. 74629				
ILLINOIS FED. AID PROJECT				

PROJECT NO.	SECTION	COUNTY	SHEET NO.
710	45 H&F-1	MACON	58
Sheet 13 of 23			





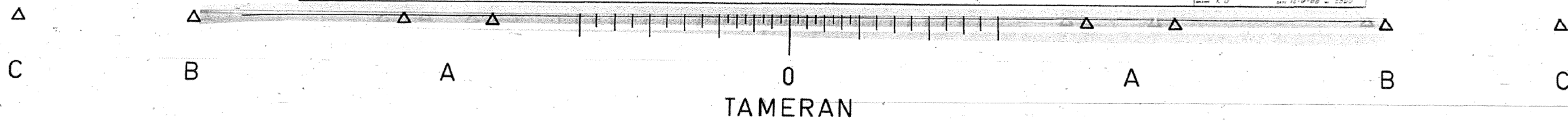
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 710	28 HBR-1	MACON	28	24
ILLINOIS PROJECT				

Sheet 14 of 23

BEARING DETAILS
FA 710 (US 51) OVERT
LAKE BROOK DRIVE
SECTION 28 HBR-1
MACON COUNTY
STATION 107+09.39

COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED: E.D.U. CHECKED: F.S.
DRAWN: K.G. DATE: 12-6-00 = 2000



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLAN S.N. 058-0007	*D7 BRIDGE PAINTING 2014-4		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	et:\pw_work\p\midot\stefennk\d0348346\074629-sht-plan.dgn	DRAWN -	REVISED -			710	.	MACON	16	9		
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 74629						
	PLOT DATE = 8/23/2013	DATE -	REVISED -			SCALE: N/A	SHEET 6 OF 13 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SECTION AT PIER 2

SECTION A-A

BEARING ORIENTATION DETAIL PIER 2

TYPE 1 ELASTOMERIC EXP BRG.
(7 Required)

BEARING ASSEMBLY

INTERIOR BEAM MOMENT TABLE

	SPILL 1	PIER 1	SECTION 2	PIER 2	SPILL 3
I_b (in ⁴)	4930	4930	4930	4930	4930
S_b (in ³)	319	319	319	319	319
S_{b1} (in ³)	18.0	18.0	18.0	18.0	18.0
S_{b2} (in ³)	1109	1109	1109	1109	1109
M_b (FT K)	71	242	180	519	184
M_b (FT K)	211	234	206	139	194
M_{b1} (FT K)	41	47	81	46	65
M_{b2} (FT K)	454	501	444	509	434
M_{b3} (FT K)	493	493	1071	1071	1024
M_{b4} (FT K)	7	0	14	3	8
F_b (KSI)	1.11	9.11	9.11	11.0	5.9
F_b (KSI)	10.4	10.3	23.5	18.4	23.1
F_w (KSI)	5.5	4.4	10.7	4.5	6.0
$F_b + F_w$ (KSI)	13.4	11.1	38.3	35.1	38.3
F_b (Total) (KSI)	24.9	30.2	39.1	39.3	37.3
F_w (Total) (KSI)	30.4	40.0	49.7	45.4	43.5
F_b (KSI)	50.0	40.0	50.0	45.5	50.0

BEARING ORIENTATION DETAIL PIER 2
See sheet 11 for values of b

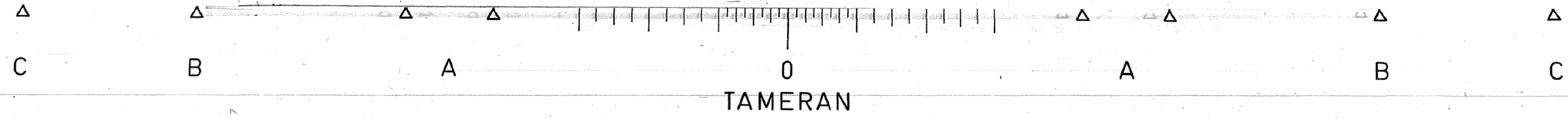
INTERIOR BEAM REACTION TABLE

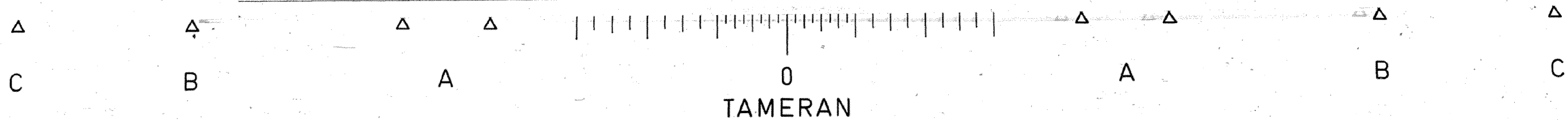
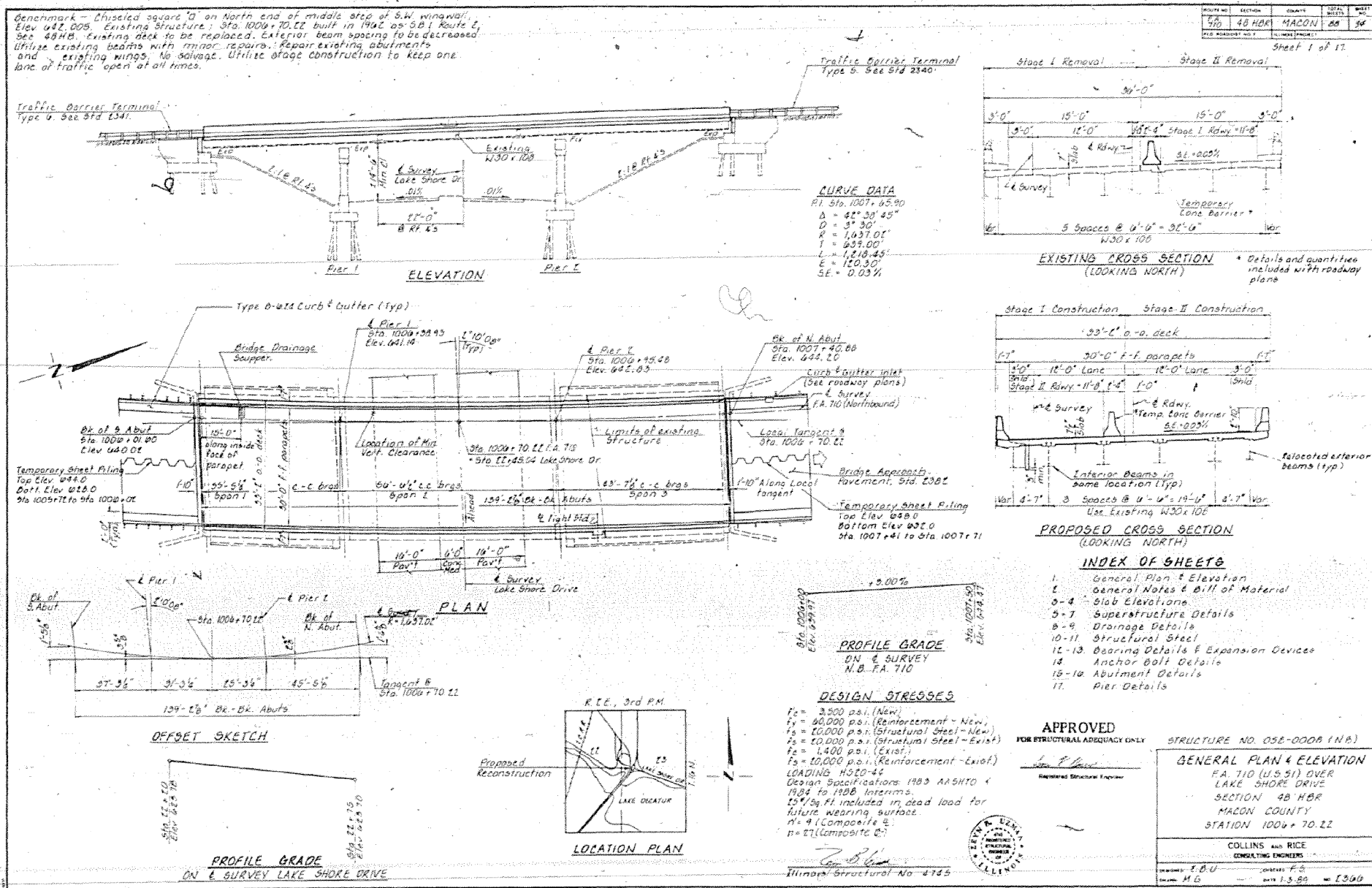
	SPILL 1	PIER 1	PIER 2	SPILL 3
R_b (K)	132	598	270	129
R_w (K)	366	466	462	370
R_{total} (K)	103	184	131	105
R_{total} (K)	579	1800	1663	667

SIDE RETAINER
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates (3 Required)

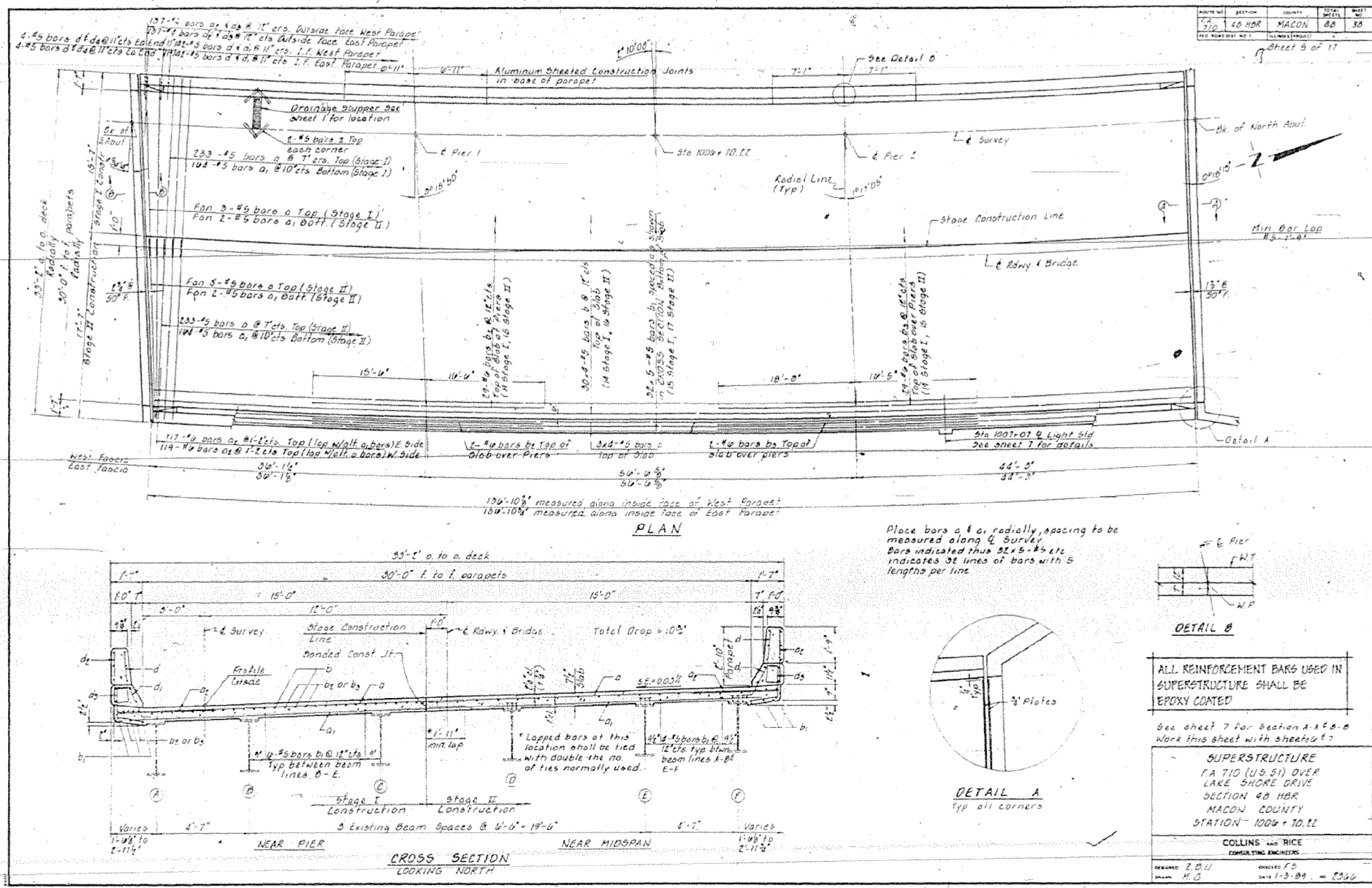
BEARING DETAILS
FA 710 (US 51) OVER LAKE SHORE DRIVE SECTION 40 HOR-1 MACON COUNTY STATION 107+09.49

COLLINS AND RICE CONSULTING ENGINEERS
CHECKED: F.S. DATE: 12-6-00 BY: C.S.D.
DRAWN: K.G.





FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLAN S.N. 058-0008			*D7 BRIDGE PAINTING 2014-4				
et:\pw_work\p\dot\stefennk\d0348346\074629-sht-plan.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT DATE = 8/23/2013	CHECKED -	REVISED -					710	.	MACON	16	11
		DATE -	REVISED -					CONTRACT NO. 74629		ILLINOIS FED. AID PROJECT		



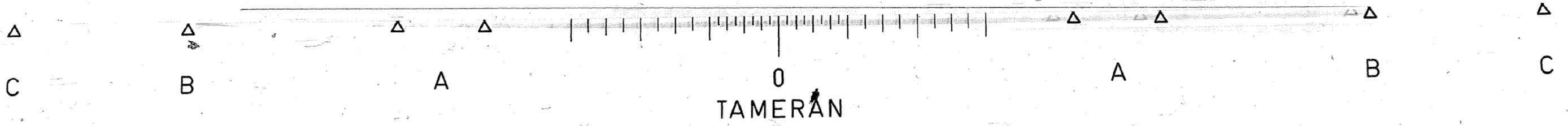
ALL REINFORCEMENT BARS USED IN SUPERSTRUCTURE SHALL BE EPOXY COATED

See sheet 7 for section A at 0.0
Work this sheet with sheets 7 & 8

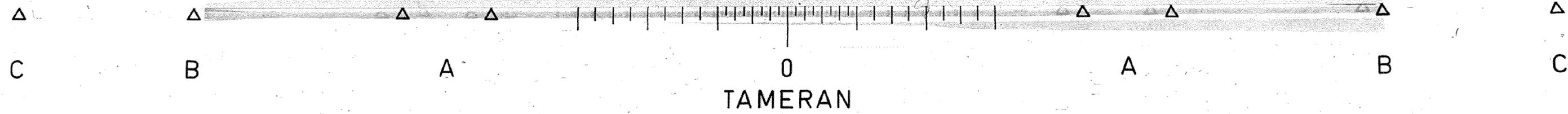
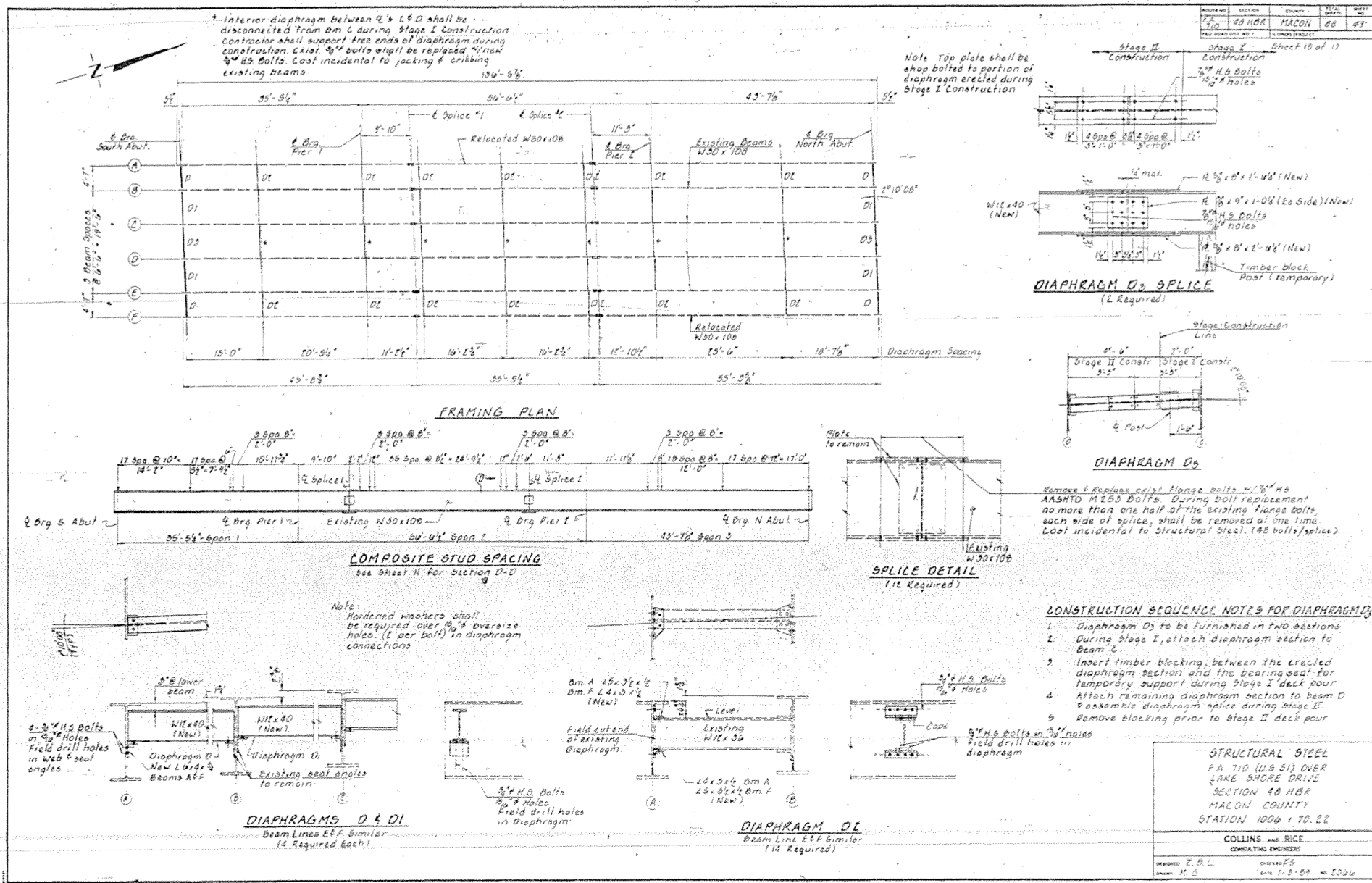
SUPERSTRUCTURE
FA 710 (U.S. 51) OVER LAKE SHORE DRIVE
SECTION 40 HBR
MACON COUNTY
STATION 100+10.12

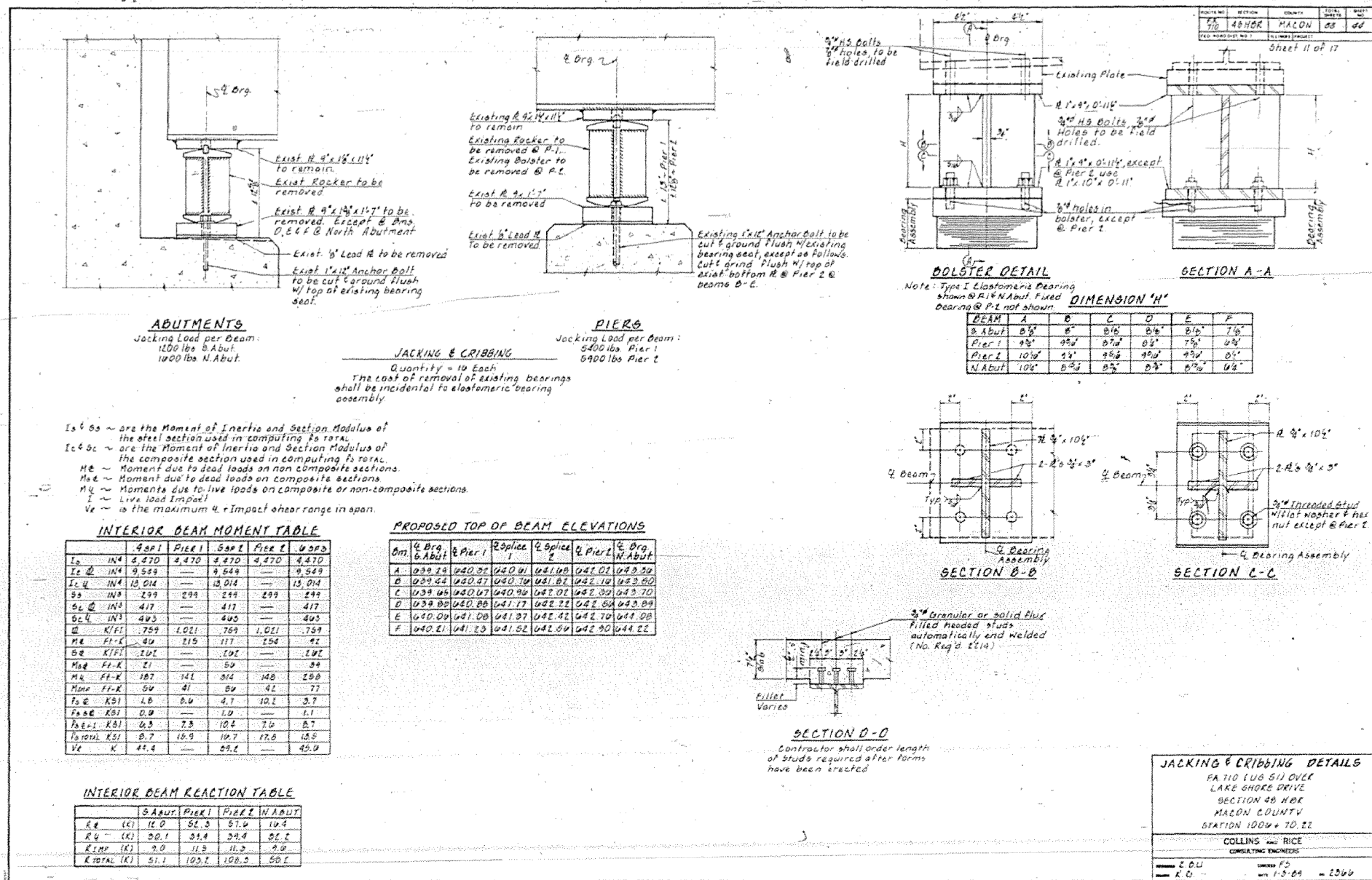
COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED: E.B.U.
DRAWN: H.G.
CHECKED: F.S.
DATE: 1-3-88



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLAN S.N. 058-0008			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Plot Scale = 100.0000' / in.	DRAWN -	REVISED -		SCALE: N/A	SHEET 9	OF 13 SHEETS	STA.	TO STA.	710	MACON	16	12
	PLOT DATE = 8/23/2013	CHECKED -	REVISED -							CONTRACT NO. 74629			
		DATE -	REVISED -							ILLINOIS FED. AID PROJECT			





Is & Is are the Moment of Inertia and Section Modulus of the steel section used in computing F_b total.
 Ic & Ic are the Moment of Inertia and Section Modulus of the composite section used in computing F_b total.
 M_d ~ Moment due to dead loads on non composite sections.
 M_c ~ Moment due to dead loads on composite sections.
 M_l ~ Moments due to live loads on composite or non-composite sections.
 I ~ Live load Impact.
 V_e ~ is the maximum u + Impact shear range in span.

INTERIOR BEAM MOMENT TABLE

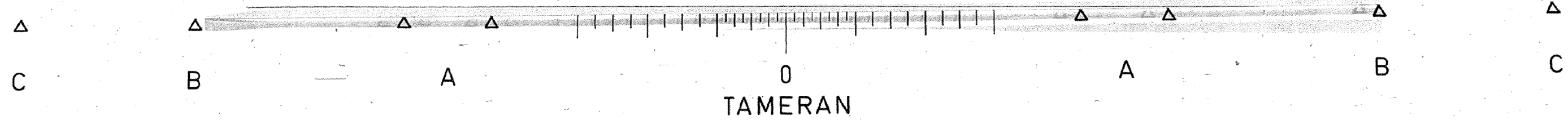
	S.Abut	Pier 1	Pier 2	Pier 2	N.Abut
I _s IN ⁴	4,470	4,470	4,470	4,470	4,470
I _c IN ⁴	9,549	—	9,549	—	9,549
I _c IN ⁴	10,014	—	10,014	—	10,014
M _d K-FT	299	299	299	299	299
M _c K-FT	417	—	417	—	417
M _l K-FT	493	—	493	—	493
M _{total} K-FT	759	1,021	759	1,021	759
M _d FT-K	40	119	111	154	42
M _c FT-K	201	—	191	—	191
M _l FT-K	21	—	59	—	39
M _{total} FT-K	187	141	364	148	250
M _d K-FT	50	41	59	42	77
F _b KSI	1.0	0.9	4.7	10.2	3.7
F _b KSI	0.9	—	1.0	—	1.1
F _b KSI	0.3	2.3	10.4	7.0	8.7
F _b KSI	0.7	15.9	10.7	17.0	15.5
V _e K	41.4	—	29.2	—	45.0

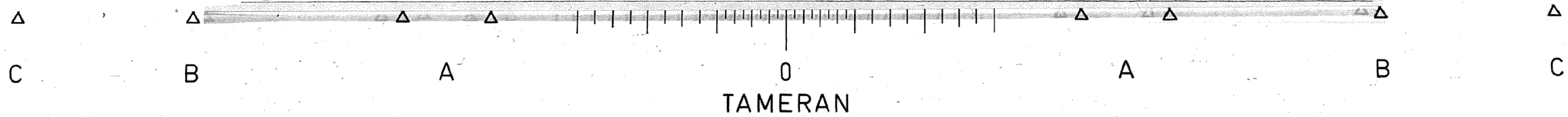
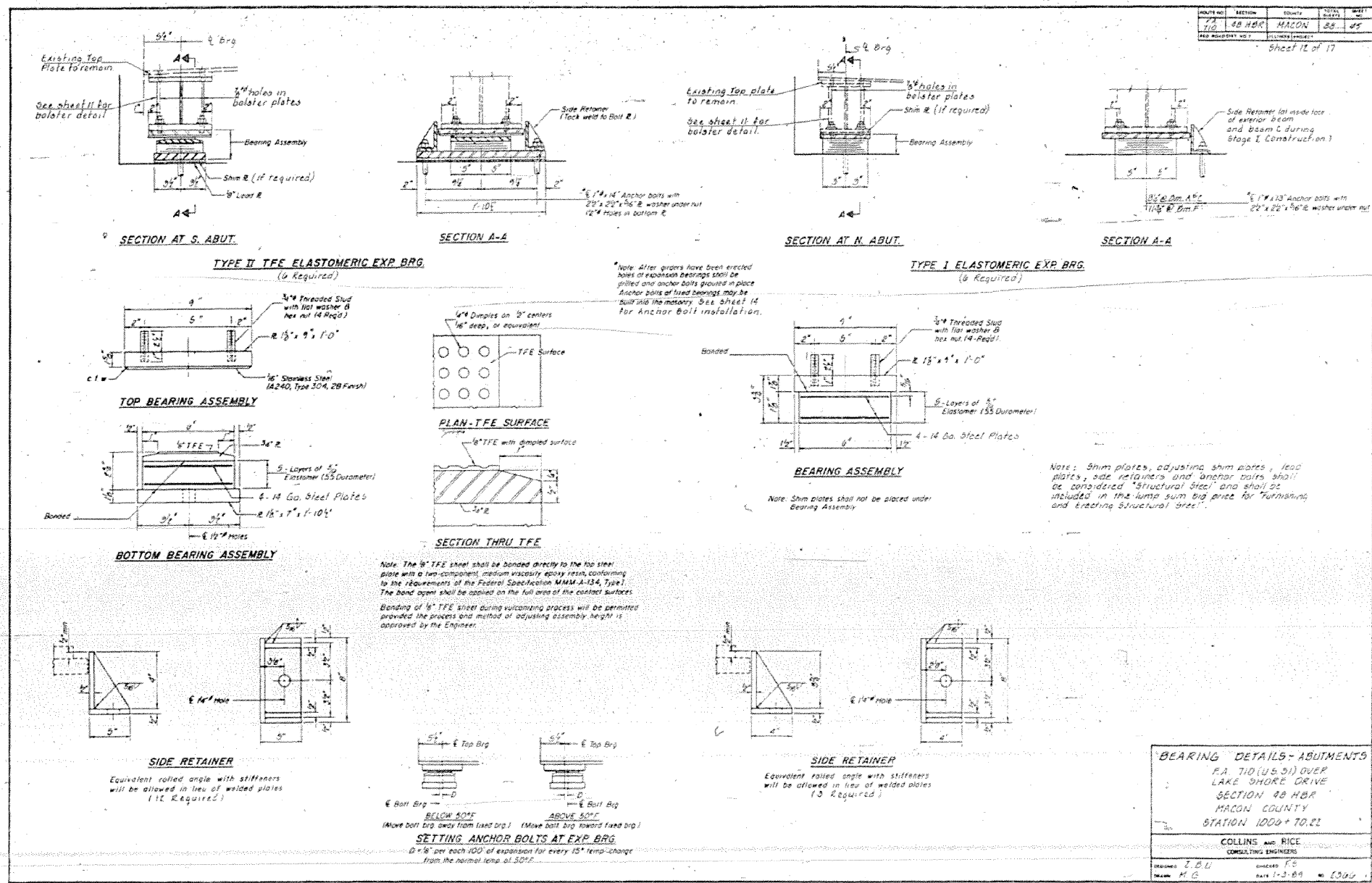
PROPOSED TOP OF BEAM ELEVATIONS

Dist. S.Abut	Pier 1	2 Splice 1	2 Splice 2	Pier 2	Dist. N.Abut
A	039.24	040.07	040.91	041.09	041.01
B	039.42	040.47	040.70	041.81	042.10
C	039.46	040.07	040.90	041.01	042.00
D	039.00	040.00	041.17	042.22	042.04
E	040.09	041.00	041.97	042.42	042.70
F	040.21	041.23	041.52	042.50	044.22

INTERIOR BEAM REACTION TABLE

	S.Abut	Pier 1	Pier 2	N.Abut
R _v (K)	10.0	31.3	37.0	10.4
R _h (K)	00.1	31.4	34.4	01.2
R _{total} (K)	9.9	11.5	11.5	9.9
R _{total} (K)	51.1	105.2	108.2	50.1





FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLAN S.N. 058-0008	*D7 BRIDGE PAINTING 2014-4		F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Plot Scale = 100.0000' / in.	DRAWN -	REVISED -			710	.	MACON	16	15		
	PLOT DATE = 8/23/2013	CHECKED -	REVISED -			CONTRACT NO. 74629						
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

