

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	NO.
17	125BR)BP	DEKALB	11	1
CONTRACT NO. 66H80				

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES
- 3-4. SUMMARY OF QUANTITIES
5. TYPICAL SECTIONS
6. STAGING DETAILS
7. DETAILS
- 8-11. EXISTING STRUCTURE DETAILS

STANDARDS

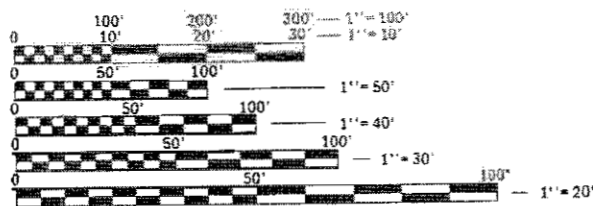
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701206-04	LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS \geq 45 MPH
701321-17	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701901-07	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701316-12	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS \geq 45 MPH

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 17 (IL 64)
SECTION (125BR)BP
PROJECT STP-URB EDZ(739)
BRIDGE PAINTING
DEKALB COUNTY

C-93-017-18

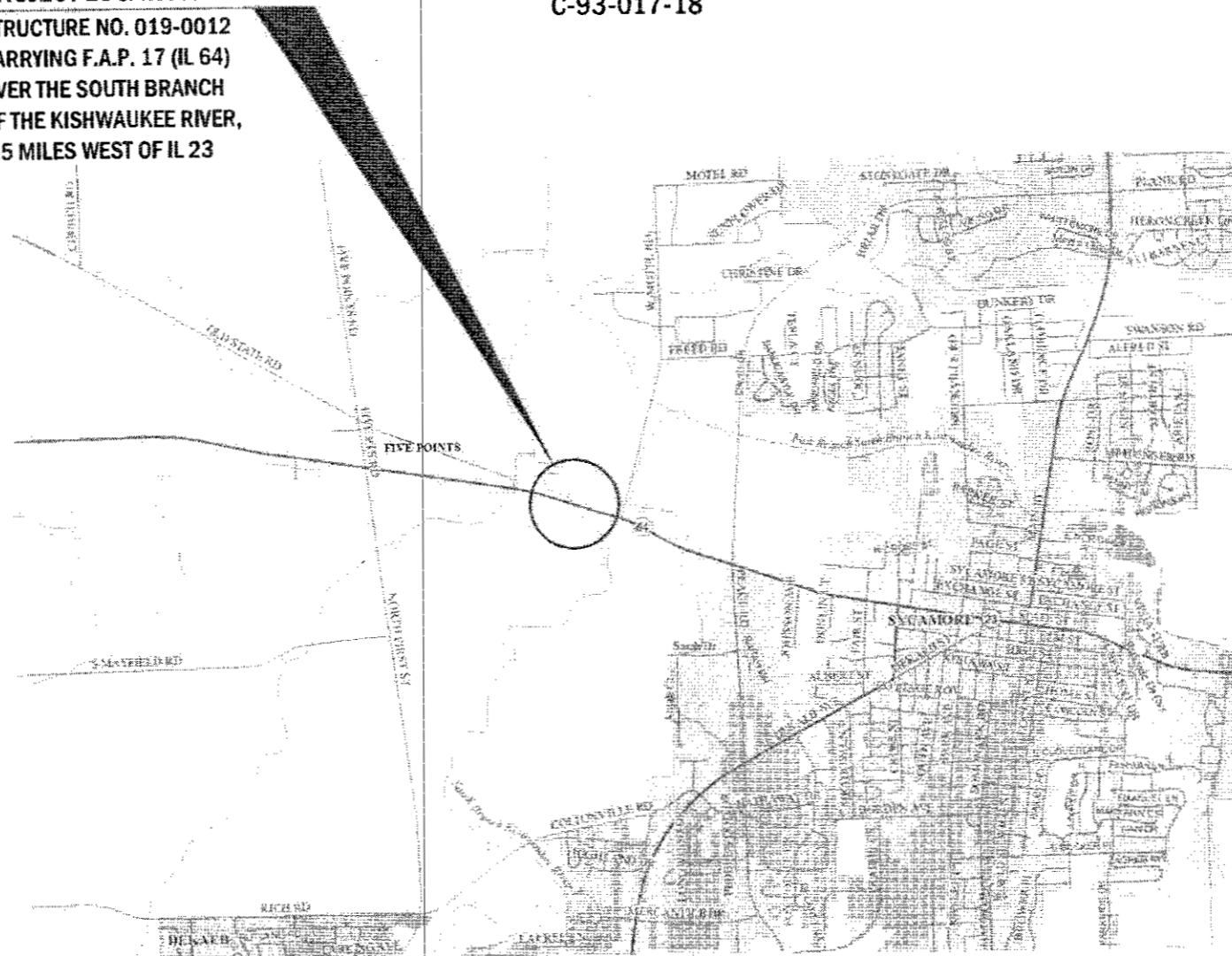
PROJECT LOCATION
STRUCTURE NO. 019-0012
CARRYING F.A.P. 17 (IL 64)
OVER THE SOUTH BRANCH
OF THE KISHWAUKEE RIVER,
1.5 MILES WEST OF IL 23



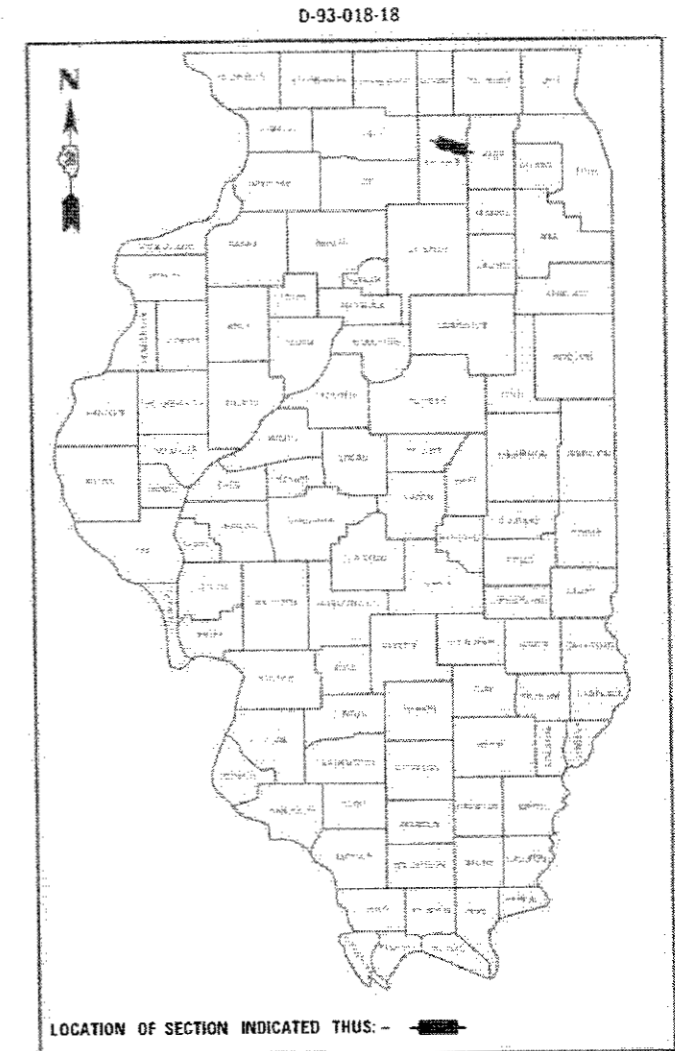
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JOE KANNEL, P.E.
PROJECT MANAGER: RON WOODSHANK
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66H80



POINT LOCATION



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

RURAL - MINOR ARTERIAL

FAP 17 ADT YR 2015

ADT	7600
P.V.	66.6%
S.U.	6.5%
M.U.	4.6%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Oct 17 20 17*
Mark REGIONAL ENGINEER

Mar 23 20 18
E.A. ETC ENGINEER OF DESIGN AND ENVIRONMENT

Oct 17 20 18
Paul P. Ch... DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
2. STRUCTURE NO. 019-0012 SHALL BE DESIGNATED AS "LOCATION 1".

ALL STRUCTURAL STEEL WITHIN 10' DISTANCE AS MEASURED FROM THE END OF THE BEAM ALONG THE CENTERLINE OF THE BEAM SHALL BE CLEANED AND PAINTED AT THE ABUTMENTS ONLY.
3. THE SSPC-OP 1 & OP 2 "PAINTING CONTRACTOR CERTIFICATIONS" WILL BE REQUIRED FOR THIS PROJECT.
4. A MINIMUM OF TWO AIR MONITORS SHALL BE REQUIRED FOR EACH STRUCTURE. THE CONTRACTOR SHALL FURNISH AND INSTALL THE MONITORS AS SHOWN ON PLAN DETAILS. (SEE THE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES")
5. CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND AS SPECIFIED BELOW.
 - a) ALL EXISTING STRUCTURAL STEEL WITHIN 10' DISTANCE AS MEASURED FROM THE END OF THE BEAM ALONG THE CENTERLINE OF THE BEAM, (INCLUDING BEAMS, DIAPHRAGMS, CROSS/LATERAL FRAMING WHEN PRESENT, BEARING ASSEMBLIES AND ALL OTHER ASSOCIATED STEEL COMPONENTS SHALL BE CLEANED PER THE REQUIREMENTS OF "NEAR WHITE BLAST CLEANING - SSPC-SP-10.
 - b) ALL EXISTING STRUCTURAL STEEL WITHIN 10' DISTANCE AS MEASURED FROM THE END OF THE BEAM ALONG THE CENTERLINE OF THE BEAM, (INCLUDING BEAMS, DIAPHRAGMS, CROSS/LATERAL FRAMING WHEN PRESENT, BEARING ASSEMBLIES AND ALL OTHER ASSOCIATED STEEL COMPONENTS SHALL BE PAINTED PER THE REQUIREMENTS OF "PAINT SYSTEM 1 - OZ/E/U"
 - 1) THE FINAL FINISH COAT FOR ALL INTERIOR STRUCTURAL STEEL SHALL BE "REDDISH BROWN, 2.5YR 3/4."
 - 2) FINISH COAT FOR EXTERIOR FACE, BOTTOM FLANGE AND BEARING ASSEMBLIES OF THE FASCIA BEAMS SHALL BE "REDDISH BROWN, 2.5YR 3/4."
6. THE CONTRACTOR SHALL BE REQUIRED TO SECURE WASTE CONTAINERS THAT REMAIN ON THE JOB SITE. THIS WILL ENTAIL THAT ALL WASTE CONTAINERS CAN NOT BE MOVED OR OPENED DURING NON-WORKING HOURS.
7. WORKING DAYS SHALL BE CHARGED UNTIL THE CONTRACTOR/SUBCONTRACTOR LICENSED TO DISPOSE OF LEAD PAINT RESIDUES HAS REMOVED THE WASTE MATERIAL FROM THE JOB SITE ACCORDING TO ALL FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES. IF THE LICENSED CONTRACTOR OR SUBCONTRACTOR FAILS TO DISPOSE OF THE LEAD PAINT RESIDUES ON OR BEFORE THE SPECIFIED COMPLETION DATE, LIQUIDATED DAMAGES SHALL BE CHARGED PER CALENDAR DAY ACCORDING TO ARTICLE 108.09 OF THE STANDARD SPECIFICATIONS UNTIL SUCH TIME THAT ALL PAINT RESIDUE MATERIALS HAVE BEEN PROPERLY REMOVED AND DISPOSED OF.

COMMITMENTS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

DATE: 10/17/17

SUPERVISING CONSTRUCTION FIELD ENGINEER

PREPARED BY: *David Brovick*
DISTRICT STUDIES & PLANS ENGINEER

RESIDENT ENGINEER / TECHNICIAN

EXAMINED BY: *Michael A. Short*
DISTRICT CONSTRUCTION ENGINEER

START & END DATES
OF CONSTRUCTION:

Tom [Signature]
DISTRICT MATERIALS ENGINEER

INSPECTORS:

[Signature]
DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

F&P RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(125BR16P	DEKALE	11	2
CONTRACT NO. 66H80				

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

PROJECT: 10/17/17
 SHEET: 1 OF 1
 DATE: 10/17/17
 DRAWN BY: TP
 CHECKED BY: RW
 DATE: 9/29/2017

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				B.P.O.	BRIDGE
				80% FED	20% STATE
				0047	
				S.N. 019-0012	
	URBAN				
50606701	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1	L SUM	1		1
67100100	MOBILIZATION	L SUM	1		1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1		1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1
70106700	TEMPORARY RUMBLE STRIPS	EACH	2		2
70400100	TEMPORARY CONCRETE BARRIER	FOOT	300		300
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	120		120
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2		2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2		2
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	170		170
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	85		85
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1		1

14

* SPECIALTY ITEM

USER NAME = woodshank1	DESIGNED - TP	REVISED - _____
DRAWN - TP	CHECKED - RW	REVISED - _____
PLOT SCALE = 100.0000 / in.	DATE - 9/29/2017	REVISED - _____
PLOT DATE = 10/16/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: _____ SHEET 1 OF 2 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(125BR)BP	DEKALB	11	3
CONTRACT NO. 66H80				
ILLINOIS FED. AID PROJECT				

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				B.P.O. 80% FED 20% STATE BRIDGE 0047 S.N. 019-0012
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42

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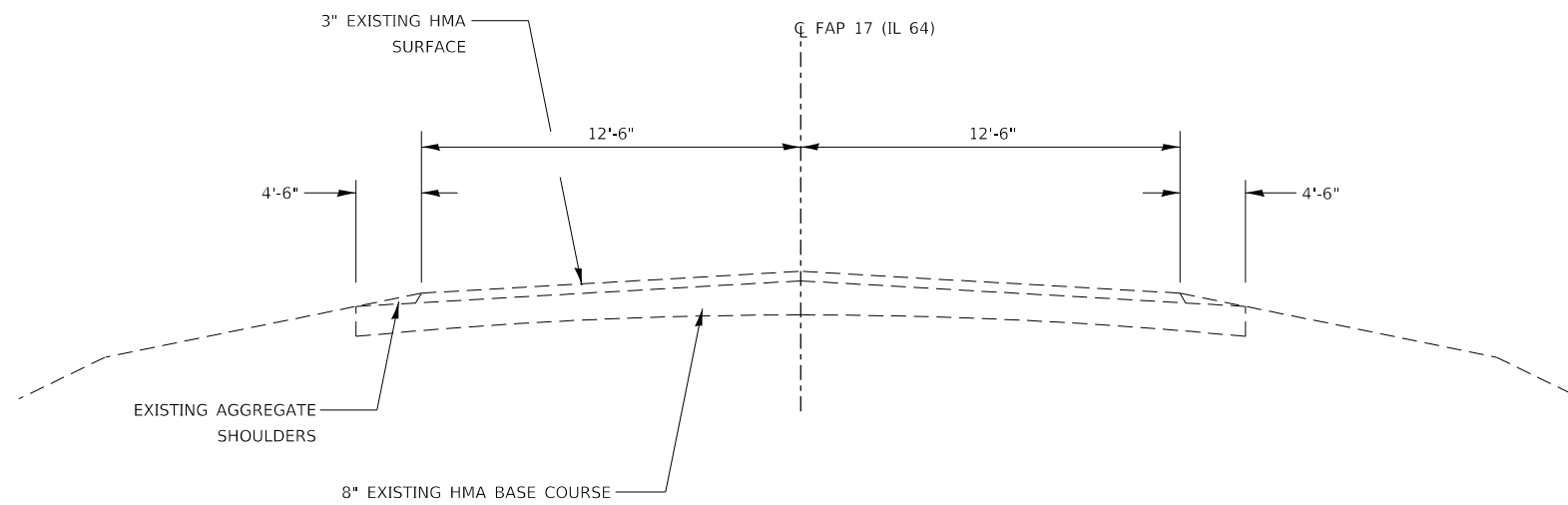
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	DRAWN - TP	REVISED - _____
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PLOT DATE = 10/16/2017	DATE - 9/29/2017	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: _____ SHEET 2 OF 2 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(125BR)BP	DEKALB	11	4
CONTRACT NO. 66H80				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION
FAP 17 (IL 64)

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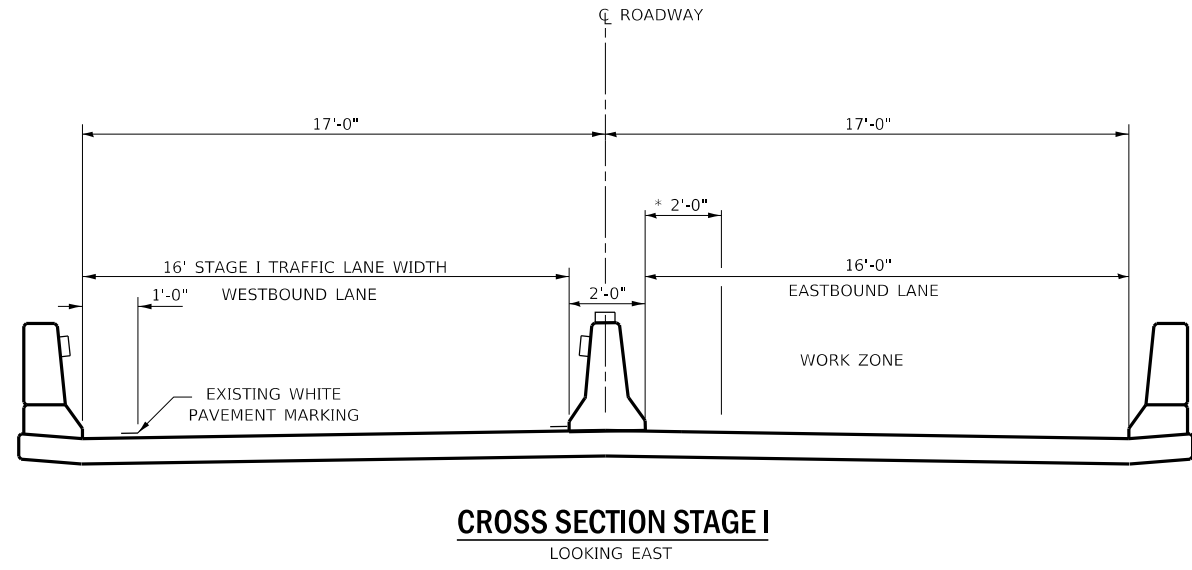
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PLOT DATE = 10/3/2017	DATE - 9/29/2017	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

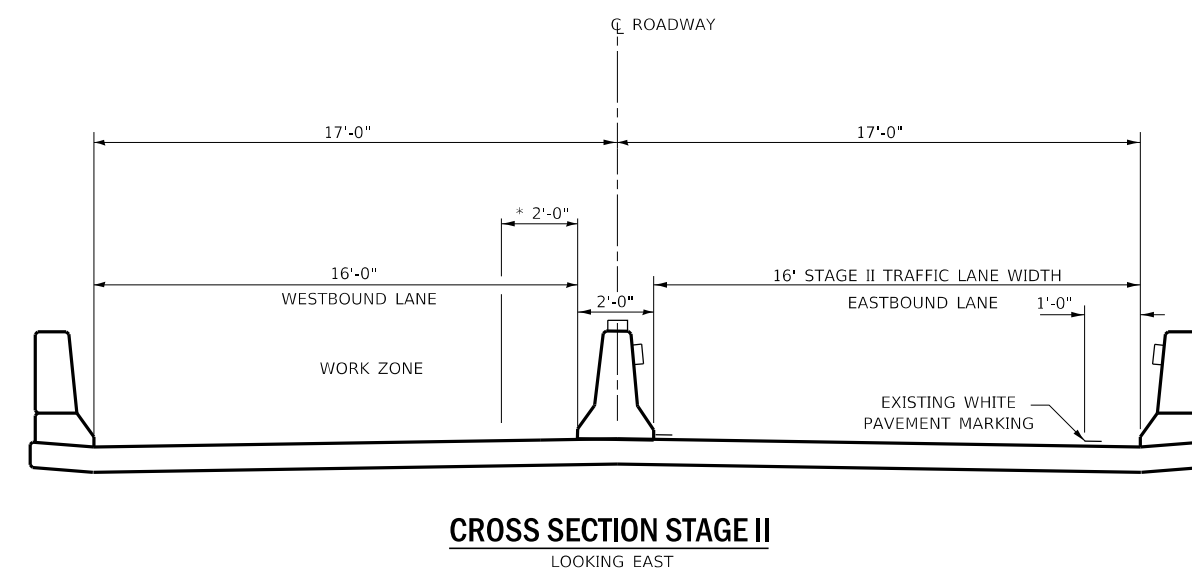
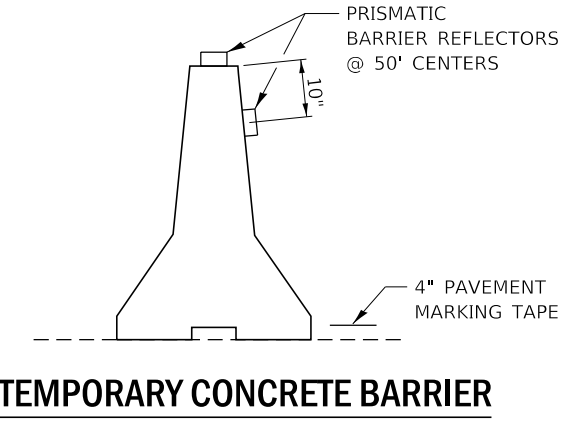
TYPICAL SECTIONS

SCALE: _____ SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(125BR)BP	DEKALB	11	5
CONTRACT NO. 66H80				
ILLINOIS FED. AID PROJECT				



* NO EQUIPMENT OR MATERIALS SHALL ENCROACH WITHIN A 2'-0" DISTANCE MEASURED FROM THE BASE OF THE TEMPORARY CONCRETE BARRIER.



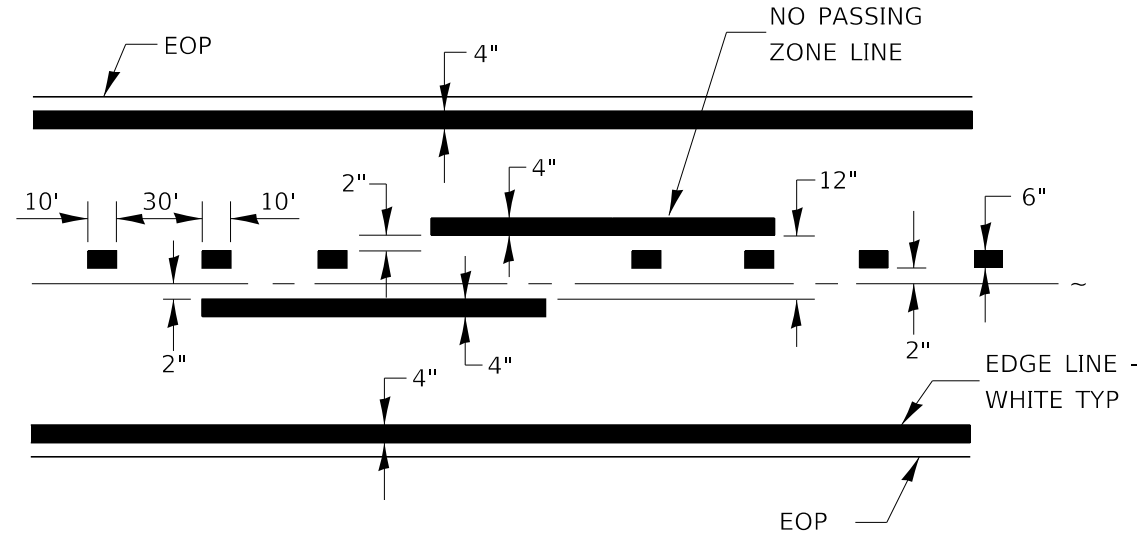
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

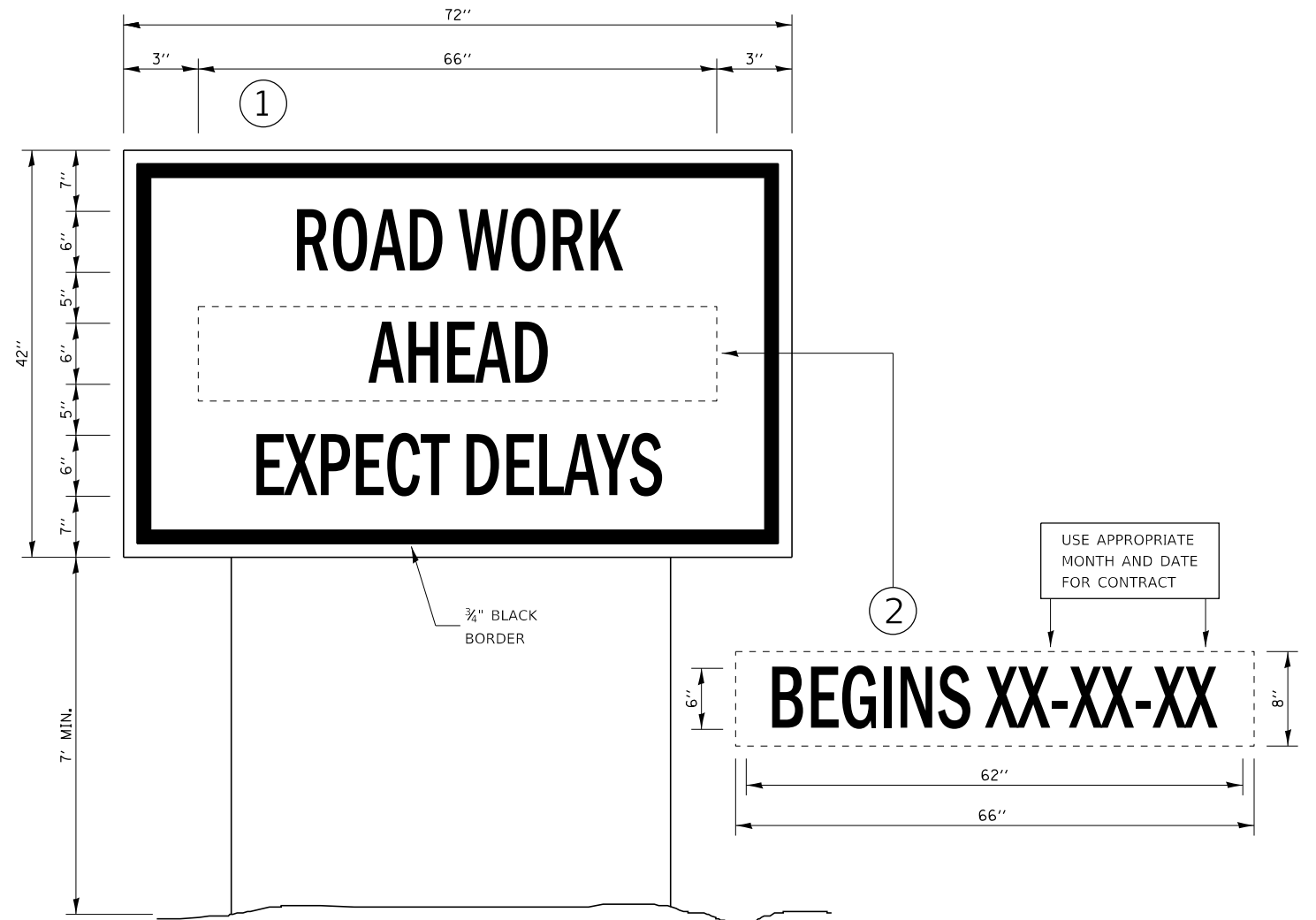
STAGING DETAILS	
SCALE: _____	SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(125BR)BP	DEKALB	11	6
CONTRACT NO. 66H80				
ILLINOIS FED. AID PROJECT				



CENTERLINE & NO PASSING ZONE LINES - YELLOW

PAVEMENT MARKING



TEMPORARY INFORMATION SIGNING

NOTES:

- USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
- ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
- ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
- REMOVE PANEL ② ON THAT DATE.
- SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

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	DRAWN - TP	REVISED - _____
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PLOT DATE = 10/3/2017	DATE - 9/29/2017	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

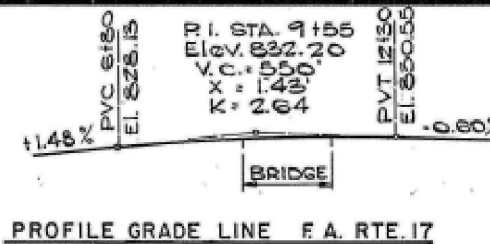
DETAILS

SCALE: _____ SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(125BR)BP	DEKALB	11	7
				CONTRACT NO. 66H80
ILLINOIS FED. AID PROJECT				

EXISTING STRUCTURE: No. 019-0012
 A two span (2 @ 58'-0") reinf. concrete deck on steel wide flange beams with 26' roadway with bituminous wearing surface and concrete rail, on R.C. closed abutments and solid conc. pier, skewed 42°-37' Right Ahead. Built 1941 as Sec. 125-B. Contractor to remove existing deck and beams and pier stem down to footing, utilizing stage construction.

BENCH MARK: R.R. spike in 24" tree
 49' left of Sta. 12+71 Elev. 824.17



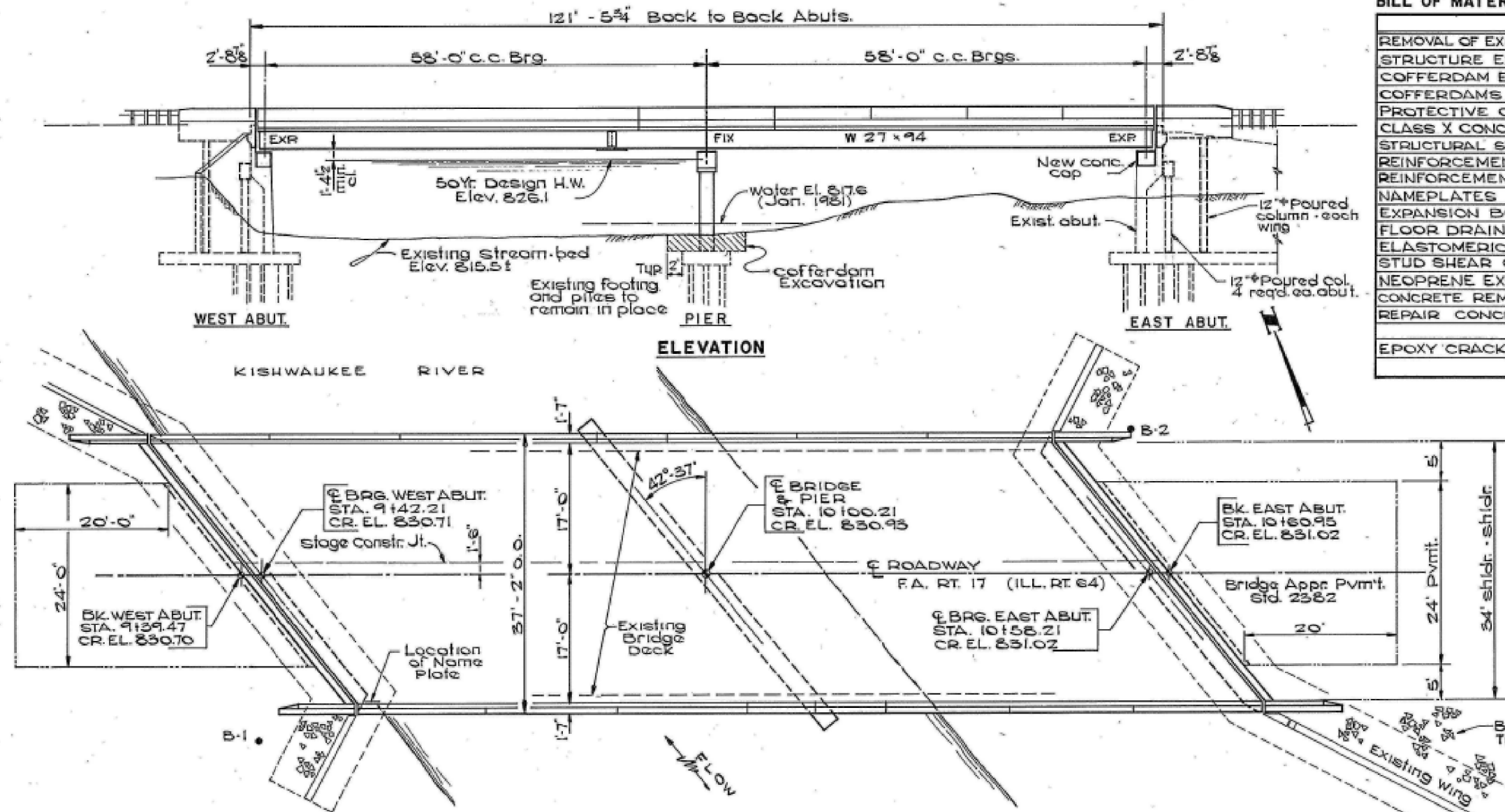
STATION 10+00.21
 BUILT 198 BY
 STATE OF ILLINOIS
 F.A. RTE. 17 SEC. 125-BR
 F.A. PROJECT BR-F-17(64)
 LOADING HS 20
 STR NO. 019-0012

F.A. RTE. NO.	SECTION 125-BR	TOTAL SHEETS	SHEET NO.
17	COUNTY DEKALB	23	6
ILLINOIS PROJECT BR-F-17(64)			
BRIDGE SHEET 1 OF 13			

NAME PLATE LETTERING
 See Std. 2113

BILL OF MATERIAL - BRIDGE

ITEM	UNIT	SUB.	SUPER.	TOTAL
REMOVAL OF EXISTING SUPERSTRUCTURES	EACH		1	1
STRUCTURE EXCAVATION	CU.YD.	16		16
COFFERDAM EXCAVATION	CU.YD.	20.25		20.25
COFFERDAMS	EACH	1		1
PROTECTIVE COAT	SQ.YD.		115	115
CLASS X CONCRETE	CU.YD.	82.9	135.6	218.5
STRUCTURAL STEEL	LUMPSUM		1	1
REINFORCEMENT BARS	POUND	7960	12,530	20,490
REINFORCEMENT BARS (EPOXY COATED)	POUND	780	18,320	19,100
NAMEPLATES	EACH		1	1
EXPANSION BOLTS - 3/4" x 12 INCH	EACH	250		250
FLOOR DRAINS	EACH		16	16
ELASTOMERIC BEARING ASSEMBLY - TYPE I	EACH	12		12
STUD SHEAR CONNECTORS	EACH		1692	1692
NEOPRENE EXPANSION JOINT - 2"	LIN.FT.		97	97
CONCRETE REMOVAL	CU.YD.	65.8		65.8
REPAIR CONCRETE STRUCTURES	SO.FT.	323.4		323.4
EPOXY CRACK SEALING	LIN.FT.	83		83



- INDEX OF BRIDGE SHEETS**
- 1 GENERAL PLAN & ELEVATION
 - 2 CONCRETE REPAIR & GENERAL NOTES
 - 3 STAGE CONSTRUCTION
 - 4-5 TOP OF SLAB ELEVATIONS
 - 6 DECK SLAB DETAILS
 - 7 SUPERSTRUCTURE DETAILS
 - 8 FLOOR DRAINS & NEOPRENE EXPANSION JOINT (2")
 - 9 STEEL FRAMING
 - 10 STRUCTURAL STEEL DETAILS & BEARINGS
 - 11 WEST ABUTMENT
 - 12 EAST ABUTMENT
 - 13 PIER DETAILS

APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
 [Signature]
 Engineer of Bridges and Structures

WATERWAY INFORMATION

DRAINAGE AREA = 94.7 SQ. MI. LOW GRADE @ STA. 3+72

FLOOD	FREQ. YR.	Q C.F.S.	OPENING S.F.		NAT. H.W.E.	HEAD - FT.		HEADWATER ELEV.	
			EXIST.	PROP.		EXIST.	PROP.	EXIST.	PROP.
DESIGN	50	5301	675	865	826.1	0.69	0.44	826.79	826.54
BASE	100	3746	709	904	826.5	0.36	0.38	826.86	826.88
OVERTOPPING	15	2549	650	777	824.8		0.50		825.30

BRIDGE TO BE CONSTRUCTED IN TWO STAGES. NORTH PORTION TO BE REMOVED AND BUILT AS STAGE I. REMAINDER TO BE REMOVED AND BUILT AS STAGE II. ONE LANE TO BE KEPT OPEN TO TRAFFIC AT ALL TIMES, SEE SHEET NO. 3.

NOTE
 New construction designed in accordance with AASHTO specifications dated 1977 and interim specifications dated 1978 thru 1981.

LOADING HS 20-44
 Includes allowance for 25 p.s.f. future wearing surface.

DESIGN STRESSES
 f_y = 60,000 p.s.i. Reinf.
 f_c = 3500 p.s.i. Conc.
 f_y = 50,000 p.s.i. Struct
 Steel M-222

SECTION 125-BR
F.A. RTE. 17 ILL. RTE. 64
DE KALB COUNTY
STATION 10+00.21

GENERAL PLAN & ELEVATION

DESIGNED BY: TP
 DATE: FEB. 1982

DRAWN BY: R. RHOADS
 DATE: MAR. 1982

CHECKED BY: S. THOMPSON
 DATE: MAR. 1982

APPROVED BY: D. HUFFMAN
 DATE: MAR. 1982

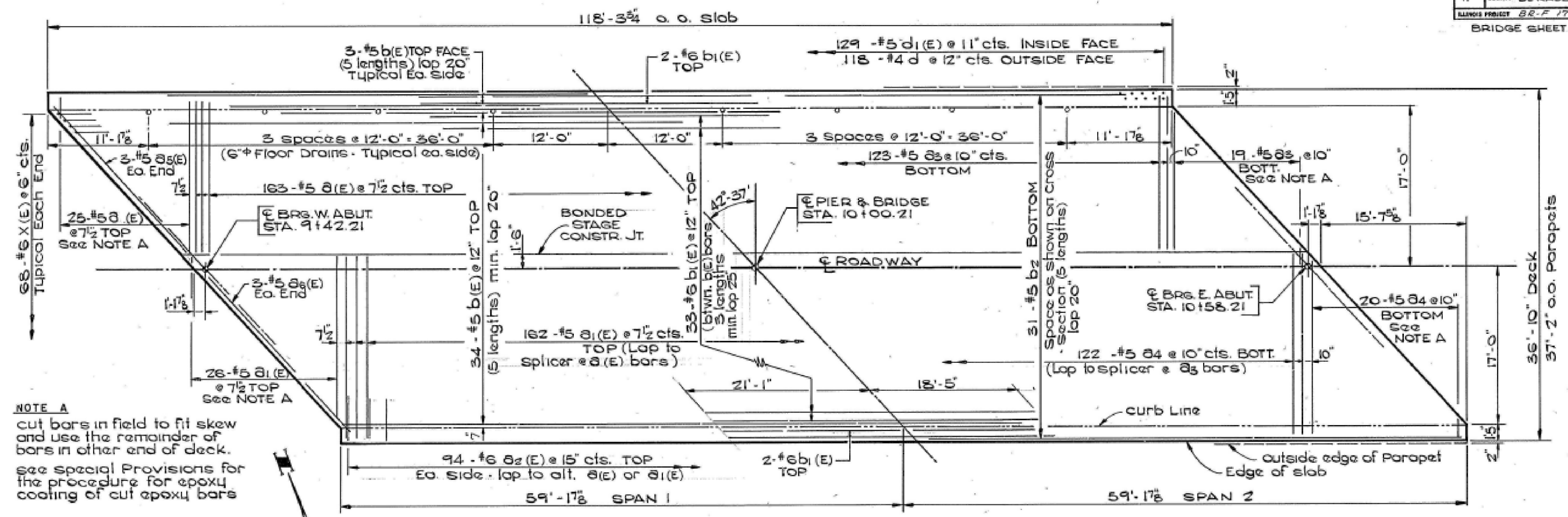
WILLET HOFMANN & ASSOCIATES, Inc.
 Consulting Engineers

ROBERT E. HOFFMANN
 REGISTERED STRUCTURAL ENGINEER
 STATE OF ILLINOIS

FOR INFORMATION ONLY

F.A. REL. NO.	SECTION 125-BR	TOTAL SHEETS	SHEET NO.
17	COUNTY DE KALB	23	11

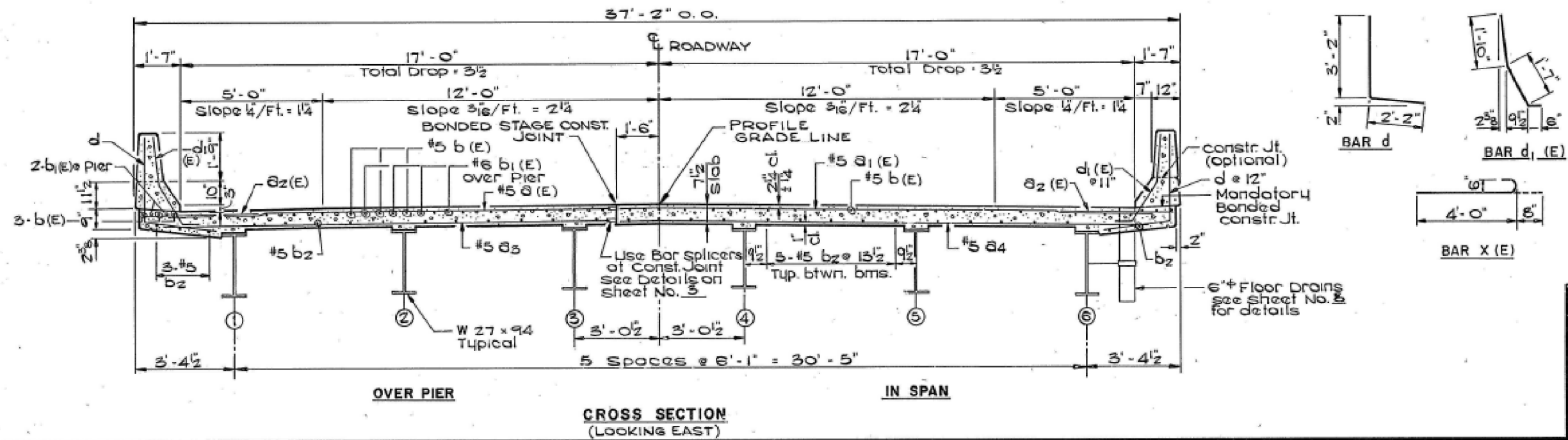
BRIDGE SHEET 6 OF 15



NOTE A
cut bars in field to fit skew and use the remainder of bars in other end of deck. see special Provisions for the procedure for epoxy coating of cut epoxy bars

PLAN DECK

NOTES
Reinforcement bars designated (E) shall be epoxy coated see special Provisions.
see sheet No. 3 for Bar Splicer details of stage construction Joint.



DECK SLAB DETAILS

SECTION 125-BR
F.A. RTE. 17 ILL. RTE. 64
DE KALB COUNTY

REVISIONS	

WILLET
OFMANN &
ASSOCIATES, Inc.

FOR INFORMATION ONLY

USER NAME = pletschr	DESIGNED - TP	REVISED -
DRAWN - TP	REVISED -	
PLOT SCALE = 100,000' / in.	CHECKED - RW	REVISED -
PLOT DATE = 9/29/2017	DATE - 9/29/2017	REVISED -

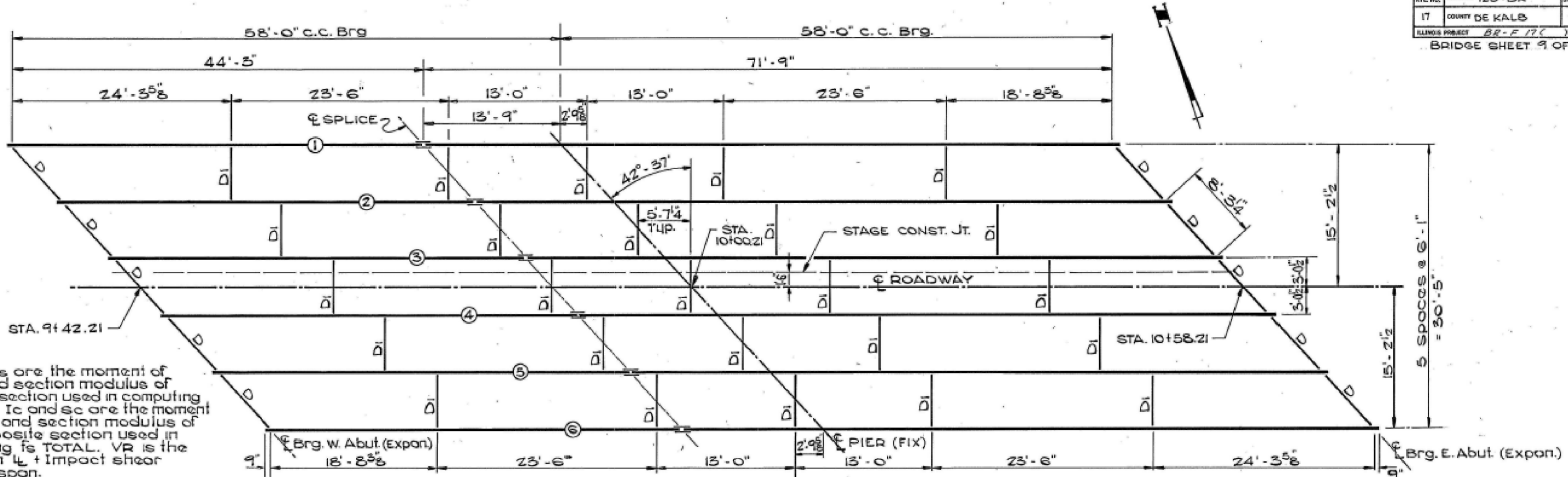
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE DETAILS
FOR INFORMATION ONLY

SCALE: _____ SHEET 2 OF 4 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(125BR)BP	DEKALB	11	9
CONTRACT NO. 66H80				
ILLINOIS FED. AID PROJECT				

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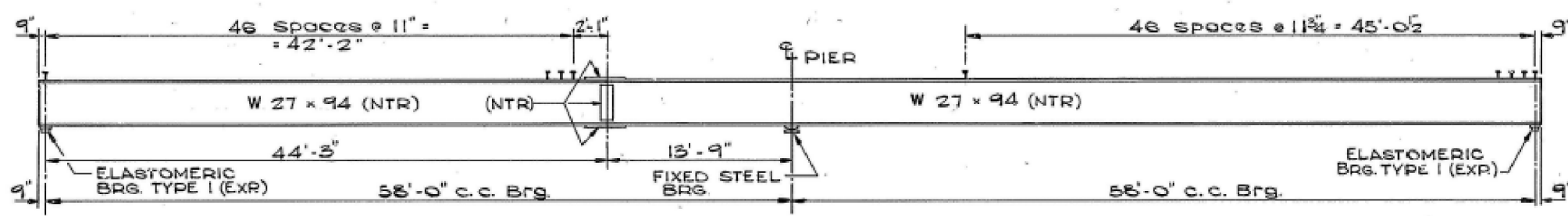
I_s and S_s are the moment of inertia and section modulus of the steel section used in computing f_s TOTAL. I_c and S_c are the moment of inertia and section modulus of the composite section used in computing f_s TOTAL. VR is the maximum $L + \text{Impact}$ shear range in span.

	ABUTMENT	PIER
R_D (k)	22.2	70.8
R_L (k)	32.5	32.5
Imp (k)	8.9	10.5
R_{TOTAL} (k)	63.6	119.8

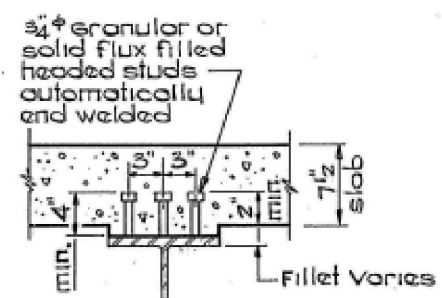
	0.4 SR 162	PIER
I_s (in ⁴)	3270	3270
I_c (in ⁴)	9177	
S_s (in ³)	243	243
S_c (in ³)	364	
D (in)	690	991
M_D (ik)	211.5	498.0
$f_{s, \text{min-comp}}$ (ksi)	10.44	24.60
S_D (in ³)	301	
M_{sD} (ik)	111.3	
M_L (ik)	786.8	395.1
M_{imp} (ik)	214.8	108.1
TOTAL (ik)	1112.9	503.1
$f_{s, \text{comp}}$ (ksi)	36.68	24.84
$f_{s, \text{TOTAL}}$ (ksi)	47.12	49.44
VR (k)	44.4(t)	

The load factor (1.3) $[D + \frac{5}{8}(L + \text{Imp})]$ is used in computing moments and stresses.

FRAMING PLAN
ALL BEAMS W 27 x 94 (M222)



ELEVATION OF BEAM
(DIAPHRAGMS NOT SHOWN)



SHEAR STUDS
1692 REQUIRED

NOTE
(NTR) indicates that material which shall conform to the supplemental requirements for Notch Toughness Zone 2.

*** ELEVATIONS TOP OF BEAMS**

LOCATION	BEAM 1	BEAM 2	BEAM 3	BEAM 4	BEAM 5	BEAM 6
☐ BRG. W. ABUT.	829.72	829.86	829.98	830.01	829.94	829.85
☐ SPLICE	829.89	830.02	830.14	830.16	830.08	829.98
☐ PIER	829.93	830.06	830.17	830.18	830.10	830.00
☐ BRG. E. ABUT.	830.09	830.21	830.31	830.31	830.22	830.11

* FOR FABRICATION USE ONLY

STEEL FRAMING	
SECTION 125-BR F.A. RTE. 17, ILL. RTE 64 DE KALB COUNTY STATION 10+00.21	
	REVISIONS

FOR INFORMATION ONLY

MODEL: Default FILE: \\p110108\BEBID\ITC\Illinois\proj\p110108\Documents\10101 - Office\10101.dwg PROJECT: 030366100\CADD\10101\10101.dwg

USER NAME = pletschr	DESIGNED - TP	REVISED - _____
PLOT SCALE = 100,0000' / in.	DRAWN - TP	REVISED - _____
PLOT DATE = 9/29/2017	CHECKED - RW	REVISED - _____
	DATE - 9/29/2017	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

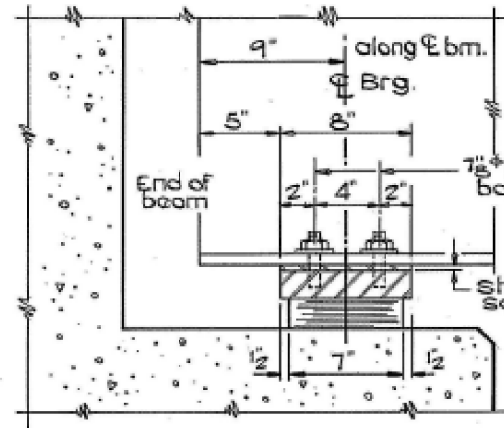
EXISTING STRUCTURE DETAILS FOR INFORMATION ONLY	
SCALE: _____	SHEET 3 OF 4 SHEETS
STA. _____	TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(125BR)BP	DEKALB	11	10
CONTRACT NO. 66H80				
ILLINOIS FED. AID PROJECT				

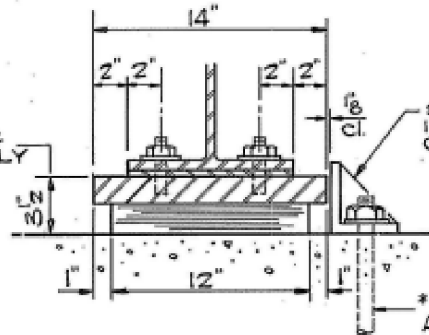
TABLE OF SHIM PLATES

LOCATION	SIZE
WEST ABUT - BEAM 4	3/8" x 8" x 14"
WEST ABUT - BEAM 5	1/4" x 8" x 14"
PIER - BEAM 4	1/8" x 9" x 18 1/2"

DO NOT PLACE SHIM PLATES UNDER ELASTOMERIC BEARING ASSEMBLIES

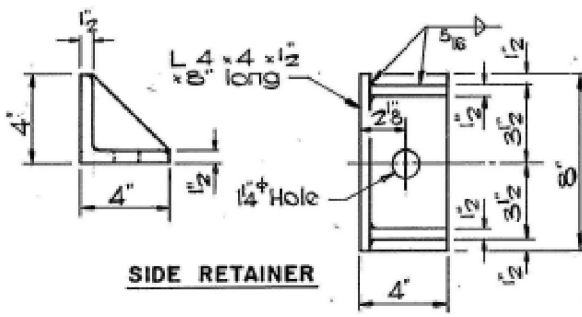


SIDE

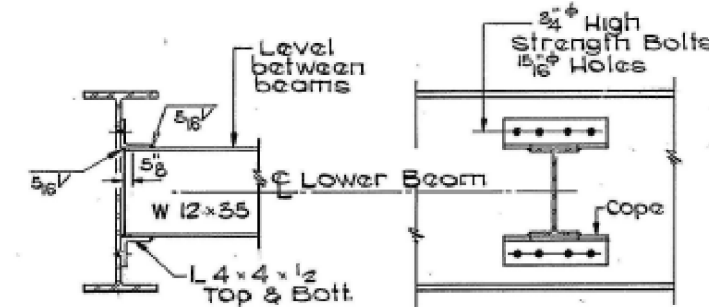
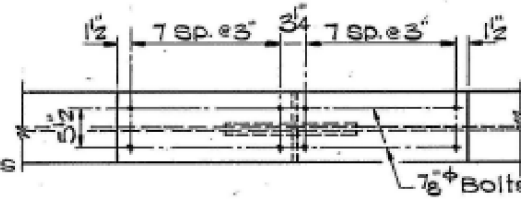


END VIEW

*NOTE
After beams have been erected, holes of expansion bearings shall be drilled and anchor bolts grouted in place.

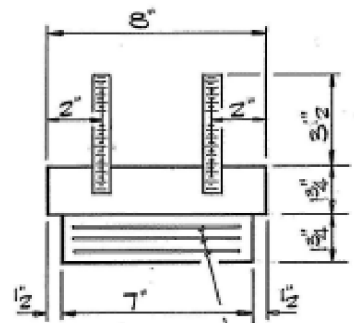


SIDE RETAINER

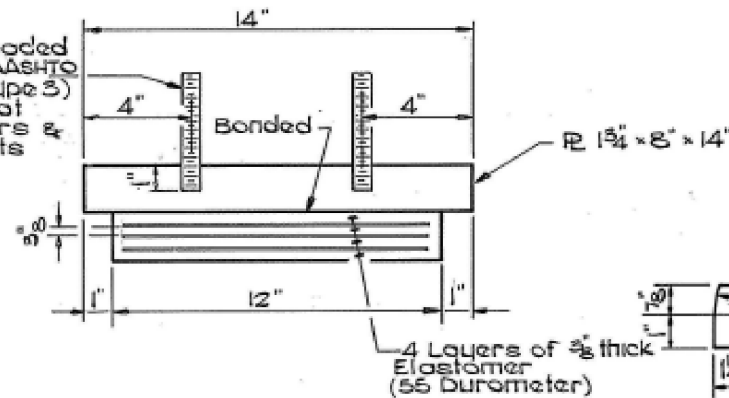


**INTERIOR DIAPHRAGM D1
25 REQUIRED**

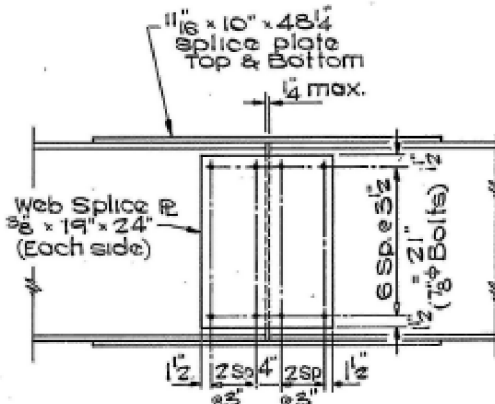
NOTE
High strength bolts shall conform to AASHTO M 164 Type 3.
Hardened washers shall be used over all 5/16 inch holes in diaphragms.
All contact surfaces of the diaphragms shall be free of paint or lacquer.



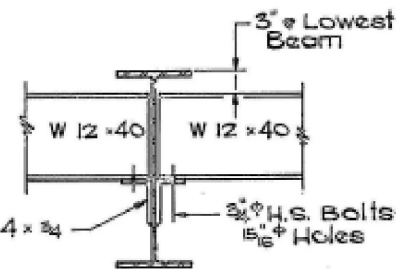
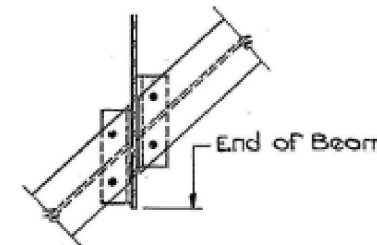
ELASTOMERIC BEARING AT ABUTMENTS



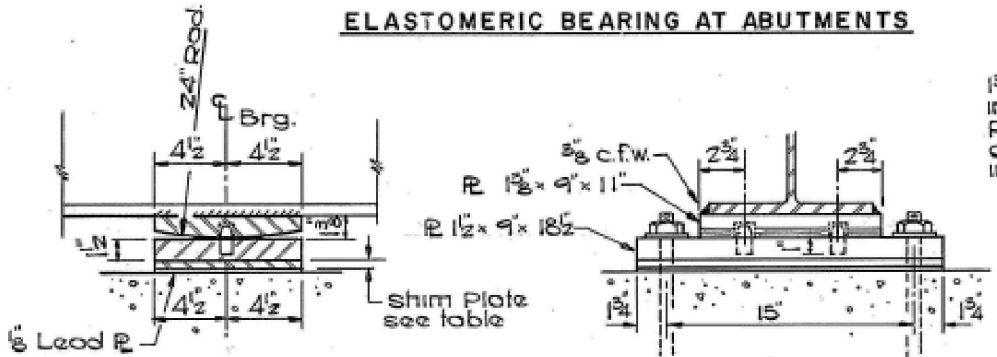
PINTLE



SPlice DETAIL

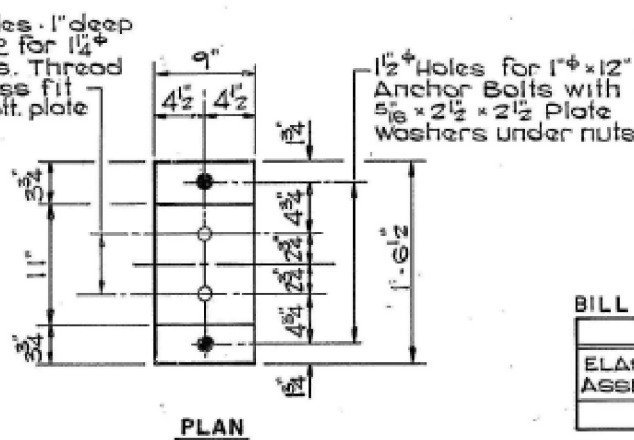


**END DIAPHRAGM D
10 REQUIRED**



BEARING DETAIL AT PIER

Anchor bolts to be grouted into drilled holes after beams are in place or built into pier cap.



PLAN

BILL OF MATERIAL - BEARINGS

ITEM	QUANT.
ELASTOMERIC BEARING ASSEMBLIES, TYPE I	EACH 12

STRUCTURAL STEEL DETAILS AND BEARINGS

SECTION 125-BR
F.A. RTE. 17 ILL. RTE 64
DE KALB COUNTY
STATION 10 + 00.21

WILLET OFMANN & ASSOCIATES, Inc. REVISIONS

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE DETAILS
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USER NAME = pletschr	DESIGNED - TP	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN - TP	REVISED -
PLOT DATE = 9/29/2017	CHECKED - RW	REVISED -
	DATE - 9/29/2017	REVISED -

SCALE: _____ SHEET 4 OF 4 SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(125BR)BP	DEKALB	11	11
CONTRACT NO. 66H80				
ILLINOIS FED. AID PROJECT				