FOR INDEX OF SHEETS, SEE SHEET NO. 2 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3

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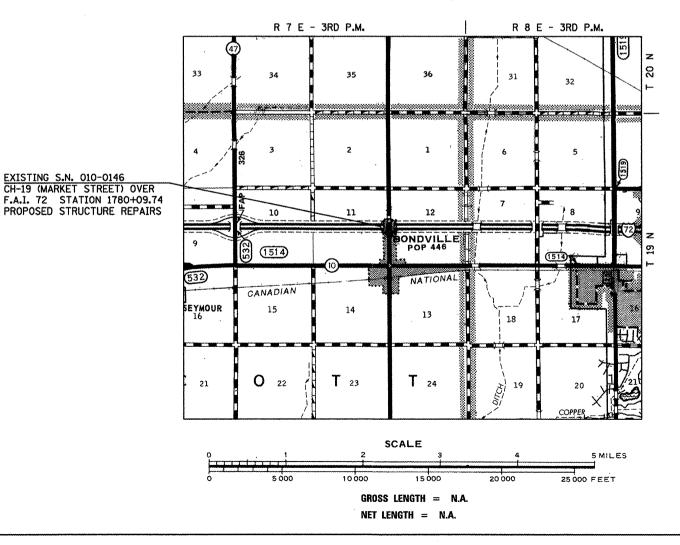
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.I ROUTE 72 (I–72) SECTION (10–71HB)BDR,BJR

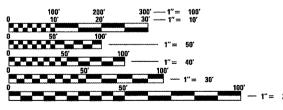
BRIDGE DECK REPAIRS CHAMPAIGN COUNTY OVER I-72 AT THE NORTH EDGE OF BONDVILLE

C-95-036-10



 $\frac{CURRENT}{TRAFFIC DATA}$ CH-19 / (FAI-72) 2010 ADT = 650 / (13,400) 2030 ADT = 900 / (18,200) PU + PC % = 94.0 / (81.5) SU % = 5.0 / (3.9) MU% = 1.0 / (14.6)

DESIGN DESIGNATION



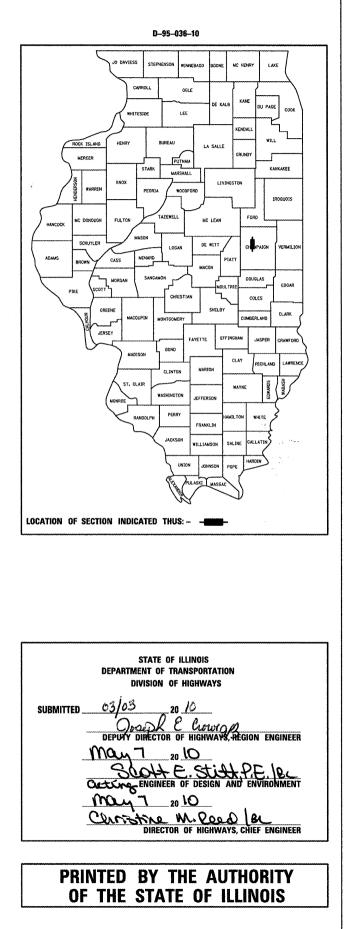
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS. THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: TIM BRANDENBURG PROJECT MANAGER: GARY SIMS 217-465-4181



RTE.	SECTION	COUNTY	SHEETS	SHEET NO.
72	(10~71HB)BDR,BJR	CHAMPAIGN	14	1



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INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
2	LIST OF STANDARDS
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	GENERAL PLAN
5	AS-BUILT PATCHING PLAN
6	JOINT AND DRAIN REPAIR DETAILS
7	PLAN AND ELEVATION FOR STRUCTURAL STEEL REPAIR
8	BEAM STRAIGHTENING DETAILS
9	BEARING REPLACEMENT DETAILS
10-13	AS-BUILT STRUCTURE PLANS - FOR INFORMATION ONLY
14	TRAFFIC CONTROL & PROTECTION DEVICES
	(ROAD & SIDEROAD/STREET CLOSURES)

LIST OF HIGHWAY STANDARDS

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STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5m (15') AWAY
701400-04	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-05	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701901-01	TRAFFIC CONTROL DEVICES

FILE NAME =	USER NAME = simsgm	DESIGNED - GMS	REVISED -		INDEX OF	SHE
c:\p+_work\PWID01\SIM5GM\d0184265\D5708	65-Bridge Repair Plansidgn	DRAWN - GMS	REVISED -	STATE OF ILLINOIS	LIST OF STANDARDS	
	PLOT SCALE = 40.0001 ' / IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	LIST OF STANDARDS	α (
	PLOT DATE = 2/26/2010	DATE -	REVISED -			

GENERAL NOTES

G.N.-100 METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-501A

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHOULD FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

GENERAL NOTES

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED,

SHEETS.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
& GENERAL NOTES	72	(10-71HB)BDR,BJR	CHAMPAIGN	14	2	
			CONTRACT	NO. 7	0865	
1	FED. RC	DAD DIST. NO. ILLINOIS FED. AL	D PROJECT			

SUMMARY OF QUANTITIES

FAI-CHAMPAIGN C RUR/ INTERSTAT 100% STAT MINC

STRUCTUR REPA

SFTY-2 S.N. 010-01

CODE NO	ITEM	UNIT	QUANTIT
50157300	PROTECTIVE SHIELD	SQ YD	250
50500405	FURNISH AND ERECT STRUCTURAL STEEL	POUND	1090
50500715	JACK AND REMOVE EXISTING BEARINGS	EACH	10
50501130	STRUCTURAL STEEL REPAIR	POUND	430
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	10
52100520	ANCHOR BOLTS, 1"	EACH	20
67100100	MOBILIZATION	LSUM	1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	. 1
X0321468	PLUG EXISTING DECK DRAINS	EACH	16
X0322932	SILICONE JOINT SEALER, 1.5"	FOOT	60
X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY	28
Z0003600	BEAM STRAIGHTENING	L SUM	1
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	5
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	30
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	23

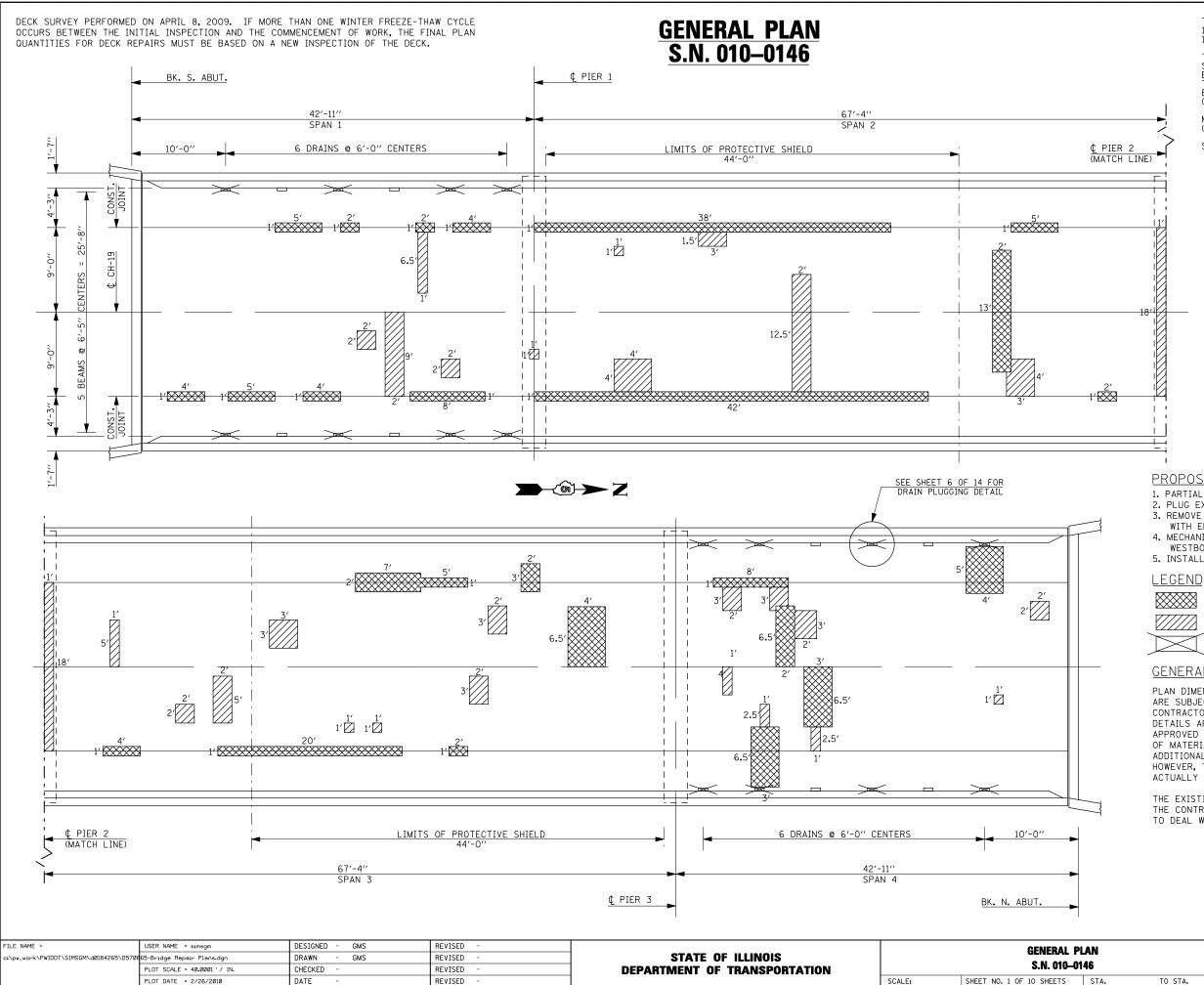
NO SPECIALTY ITEMS

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	FILE NAME =	USER NAME = simsgm	DESIGNED - GMS	REVISED -			
	c:\pw_work\PWIDOT\SIMSGM\d0184265\D5706	65-Bridge Repair Plansidgn	DRAWN - GMS	REVISED -	STATE OF ILLINOIS	SUMMARY OF	QUAN
		PLOT SCALE = 40.0001 ' / IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		
		PLOT DATE = 2/26/2010	DATE -	REVISED -			

	FED. ROAD DIST. NO.	CONTRA LLINDIS FED. AID PROJECT	COOV1			
OF QUANTITIES	F.A.I. SECTI RTE. 5ECTI 72 (10-71HB)8	DR.BJR CHAMPAIC	SN 14 3			
	F.A.I.	01	TOTAL SHFFT			
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SFTY-2A						
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FAI-72						
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THE EXISTING OVERHEAD STRUCTURE WAS BUILT IN 1969 AS FA ROUTE 11, SECTION 10-71HB AT STATION 1780+09.74 IN CHAMPAIGN COUNTY.

THE SUPERSTRUCTURE CONSISTS OF A 7" R.C. SLAB AND FIVE WF-30 STEEL I-BEAMS SUPPORTED BY THREE HAMMERHEAD PIERS AND STUB ABUTMENTS. THE STRUCTURE MEASURES 220'-6" FROM BACK TO BACK OF ABUTMENT. THE DECK HAS A CLEAR WIDTH OF 26'-6" AND AN OUT-TO-OUT WIDTH OF 29'-8".

METHOD OF CONSTRUCTION: ROAD CLOSURE (UTILIZING BLR STD. 21-8)

SEE PROPOSED IMPROVEMENTS ON THIS SHEET.

TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL	
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	5.0	
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	30.0	
DECK SLAB REPAIR (PARTIAL)	SQ YD	23.0	
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	10.0	
JACK AND REMOVE EXISTING BEARINGS	EACH	10.0	
FURNISH AND ERECT STRUCTURAL STEEL	POUND	1090.0	
PLUG EXISTING DECK DRAINS	EACH	16.0	
SILICONE JOINT SEALER, 1.5"	FOOT	60.0	
ANCHOR BOLTS, 1" Ø	EACH	20.0	
PROTECTIVE SHIELD	SQ YD	250.0	
STRUCTURAL STEEL REPAIR	POUND	430.0	
BEAM STRAIGHTENING	L SUM	1.0	

PROPOSED WORK

1. PARTIAL AND FULL-DEPTH DECK SLAB REPAIR.

2. PLUG EXISTING FLOOR DRAINS.

3. REMOVE EXISTING STEEL ROCKER BEARINGS AND REPLACE WITH ELASTOMERIC BEARINGS.

4. MECHANICALLY STRAIGHTEN WEST FASCIA BEAM OVER WESTBOUND LANES.

5. INSTALL SILICONE JOINT SEALER AT EXPANSION JOINTS.

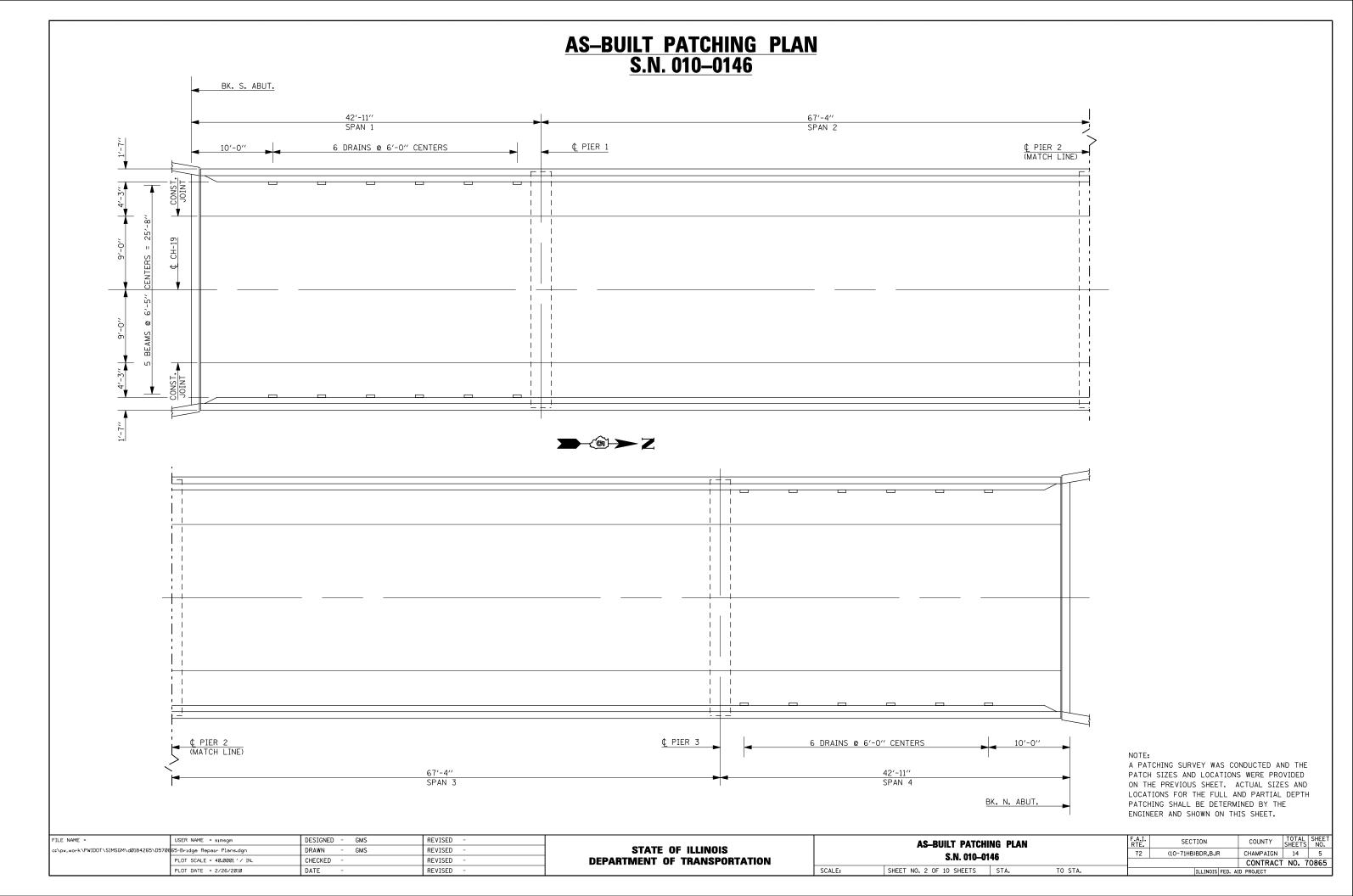
DECK SLAB REPAIR, FULL-DEPT	Η
DECK SLAB REPAIR (PARTIAL)	
PLUG EXISTING DECK DRAINS	

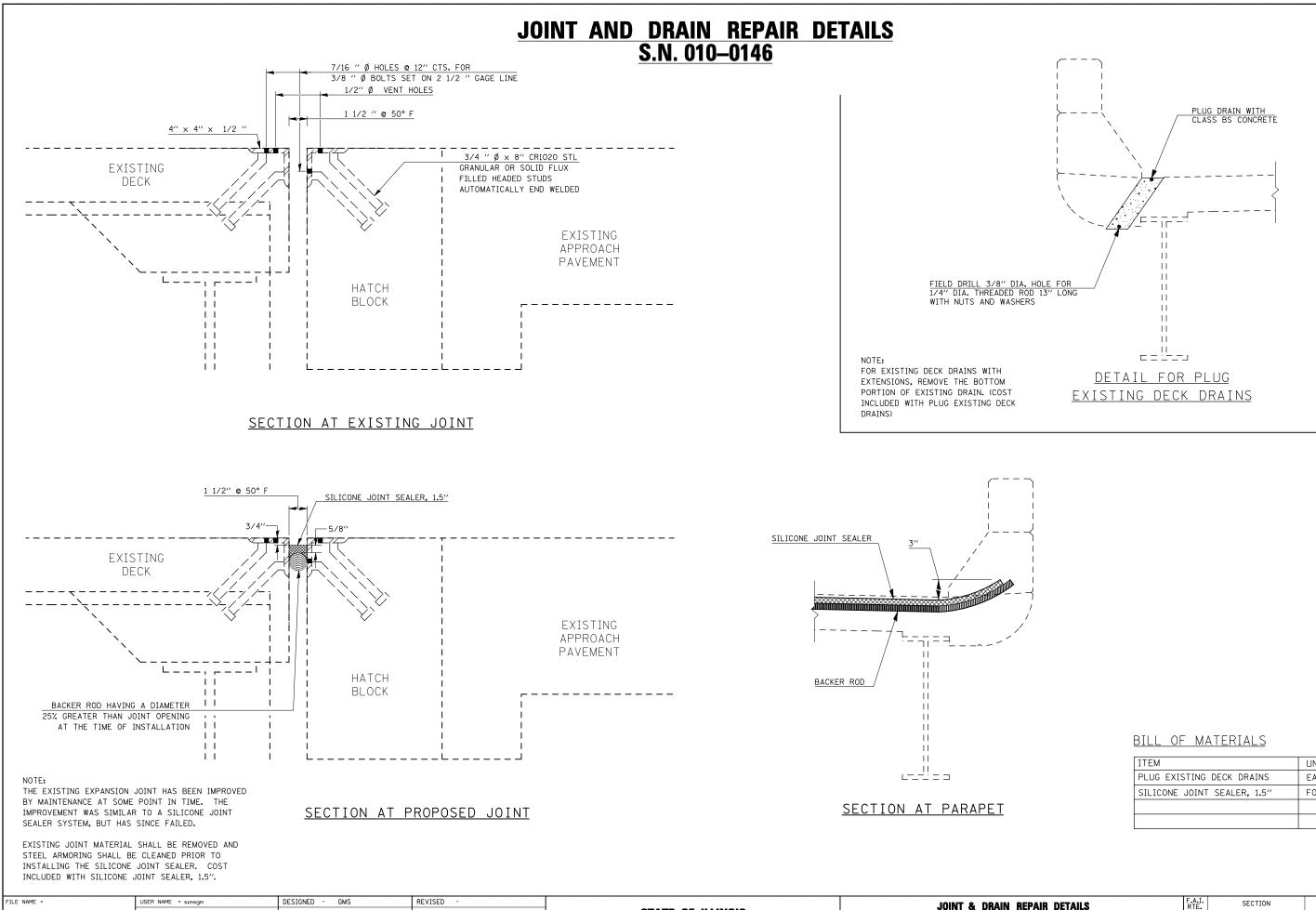
GENERAL NOTES

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.

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
72	(10-71HB)BDR,BJR	CHAMPAIGN	14	4				
		CONTRACT	NO. 7	0865				
	ILLINOIS FED. AID PROJECT							
		72 (10-71HB)BDR,BJR	72 (10-71HB)BDR,BJR CHAMPAIGN	RTE. SECTION COUNTY SHEETS 72 (10-71HB)BDR,BJR CHAMPAIGN 14 CONTRACT NO. 7				

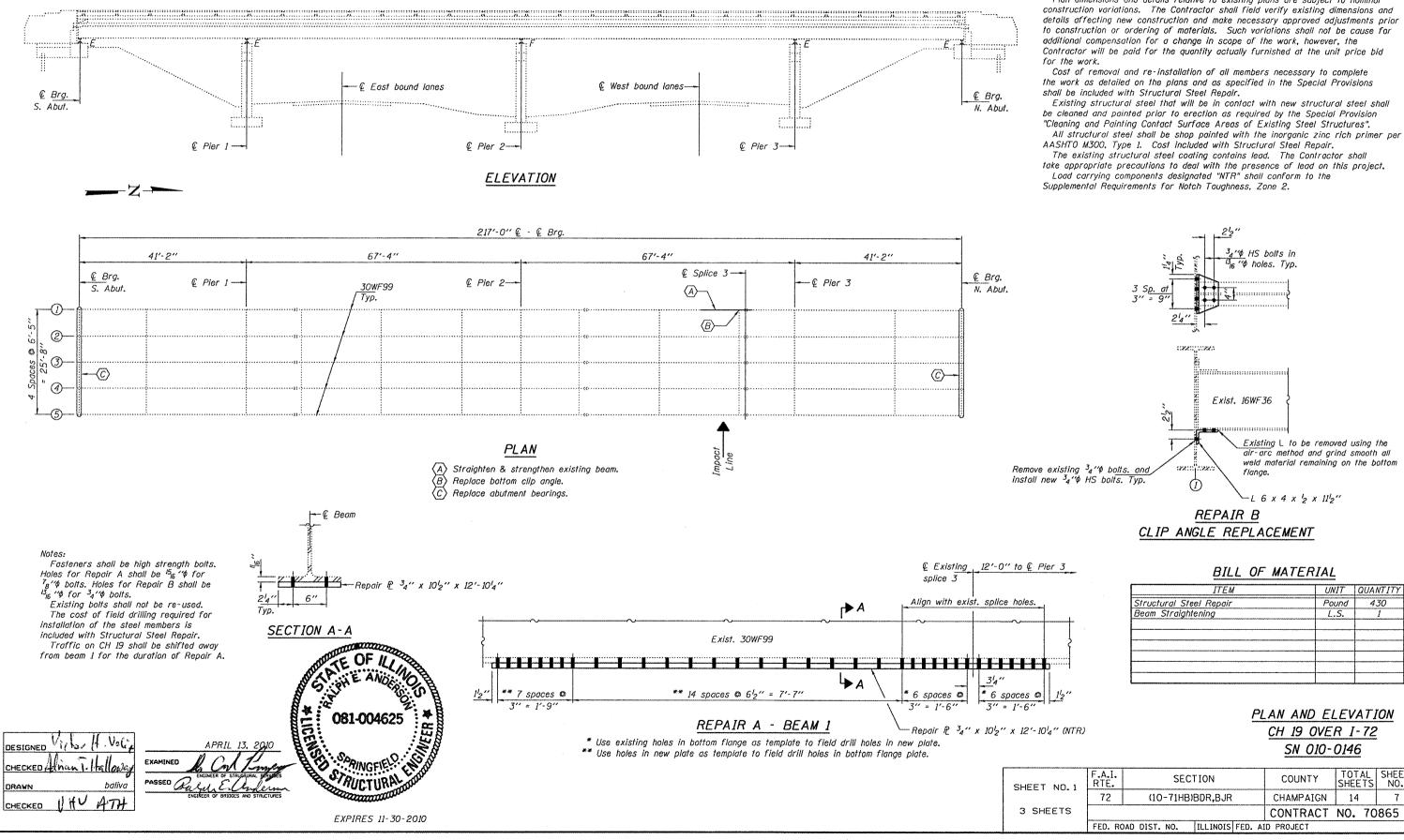




FILE NAME =	USER NAME = simsgm	DESIGNED - GMS	REVISED -		JOINT & DRAIN REPAIR DETAILS	F.A.I.	SECTION	COUNTY	TOTAL	SHEET	
c:\pw_work\PWIDOT\SIMSGM\d0184265\D5708	65-Bridge Repair Plans.dgn	DRAWN - GMS	REVISED -	STATE OF ILLINOIS			72	(10-71HB)BDR.BJR	CHAMPAIGN	14	6
	PLOT SCALE = 40.0001 ' / IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	S.N. 010–0146			,	CONTRACT	(NO. 7	865
	PLOT DATE = 2/26/2010	DATE -	REVISED -		SCALE: SHEET NO. 3 OF 10 SHEETS STA. TO STA.			ILLINOIS FED. A	AID PROJECT		

ITEM	UNIT	TOTAL
PLUG EXISTING DECK DRAINS	EACH	16.0
SILICONE JOINT SEALER, 1.5"	FOOT	60.0

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



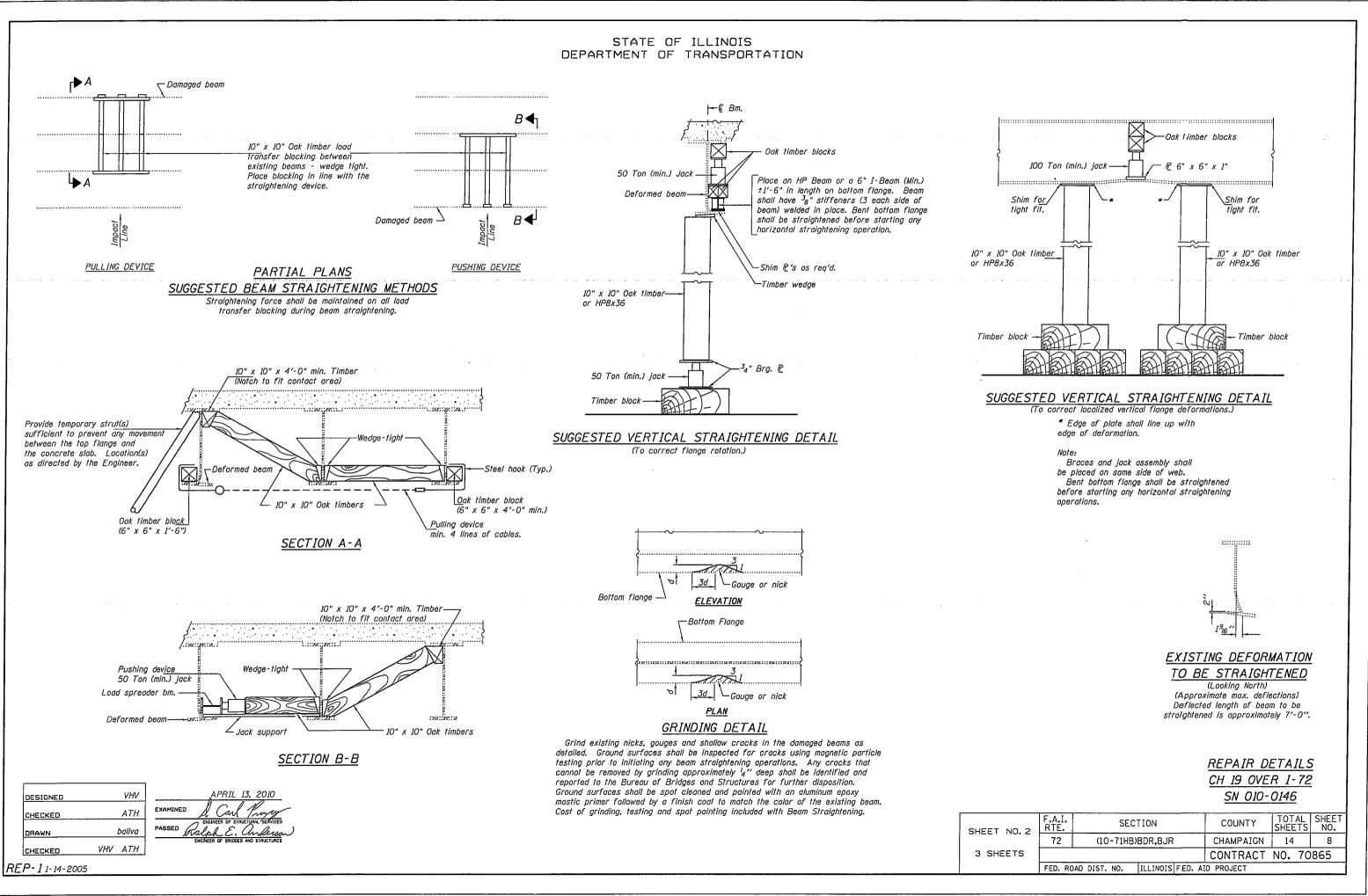
NOTES

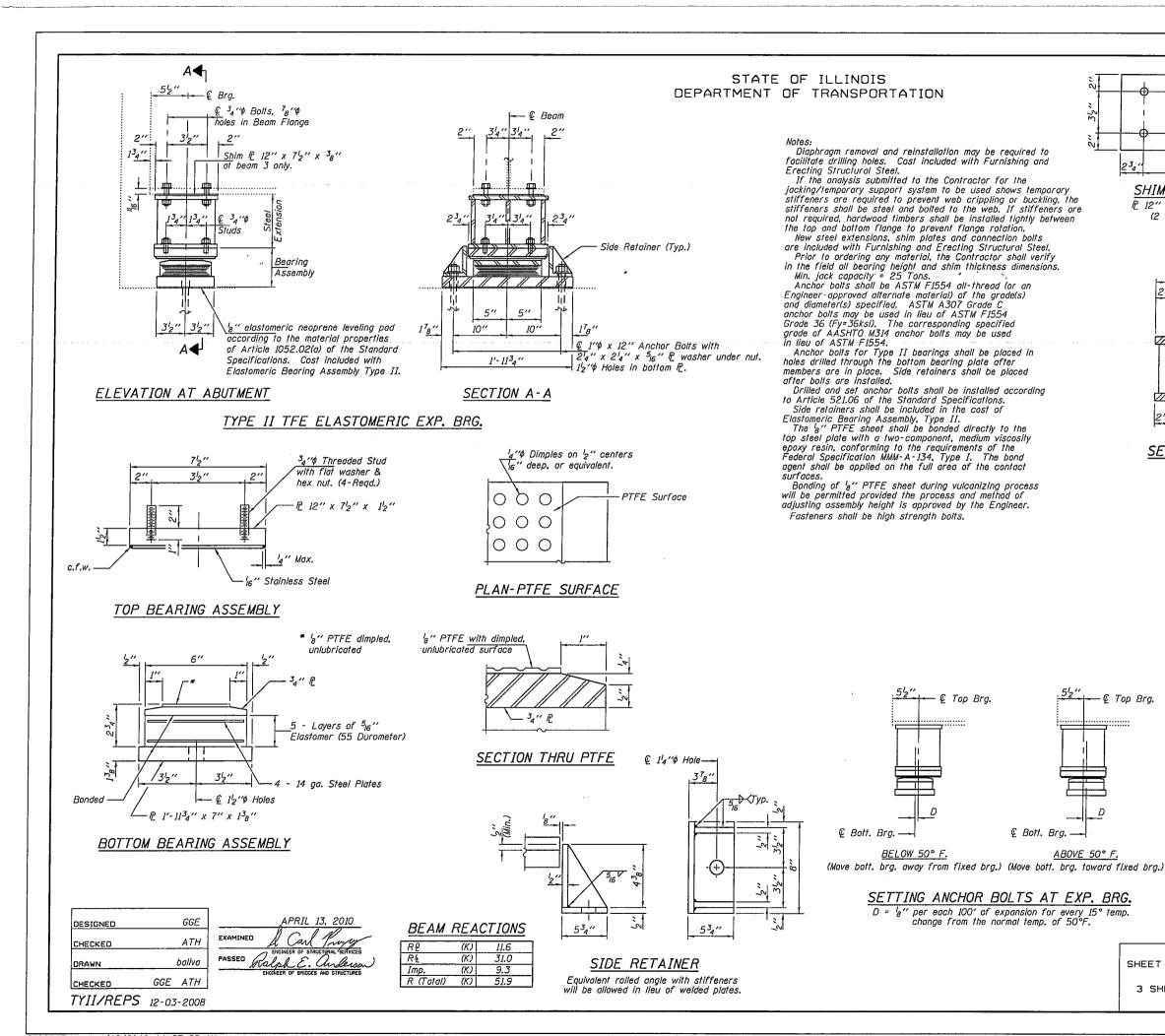
All structural steel shall conform to AASHTO Classification M-270 Gr. 36. unless otherwise noted.

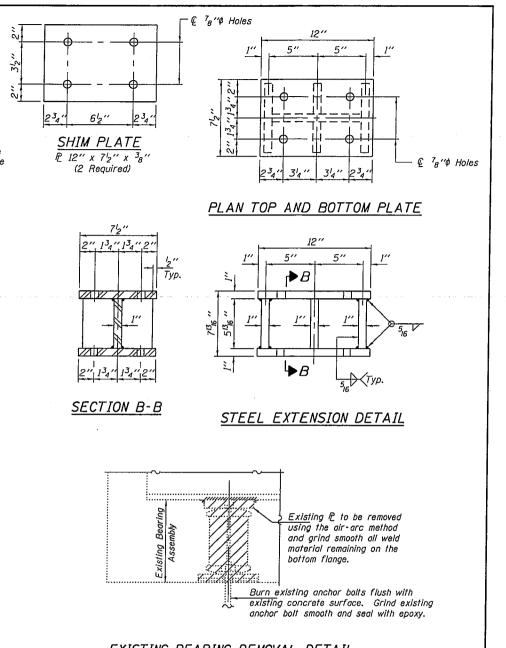
Plan dimensions and details relative to existing plans are subject to nominal

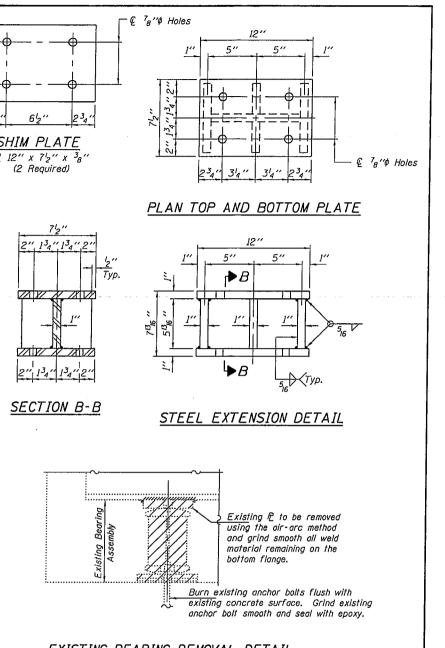
ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	430
Beam Straightening	L.S.	1
	I	L

T NO.1	F.A.I. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
	72	(10-71HB)BDR,BJR			CHAMPAIGN	CHAMPAIGN 14	
HEETS					CONTRACT	NO. 70	865
	FED. RC	DAD DIST. NO.	ILLINOIS FED.	. AI	D PROJECT		



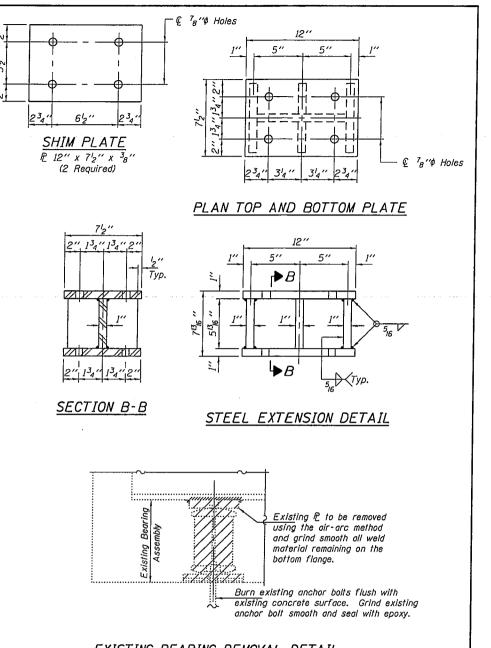












SHEET NO 3 SHEE

— ¢ Top Bra.

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ABOVE 50° F.

EXISTING BEARING REMOVAL DETAIL

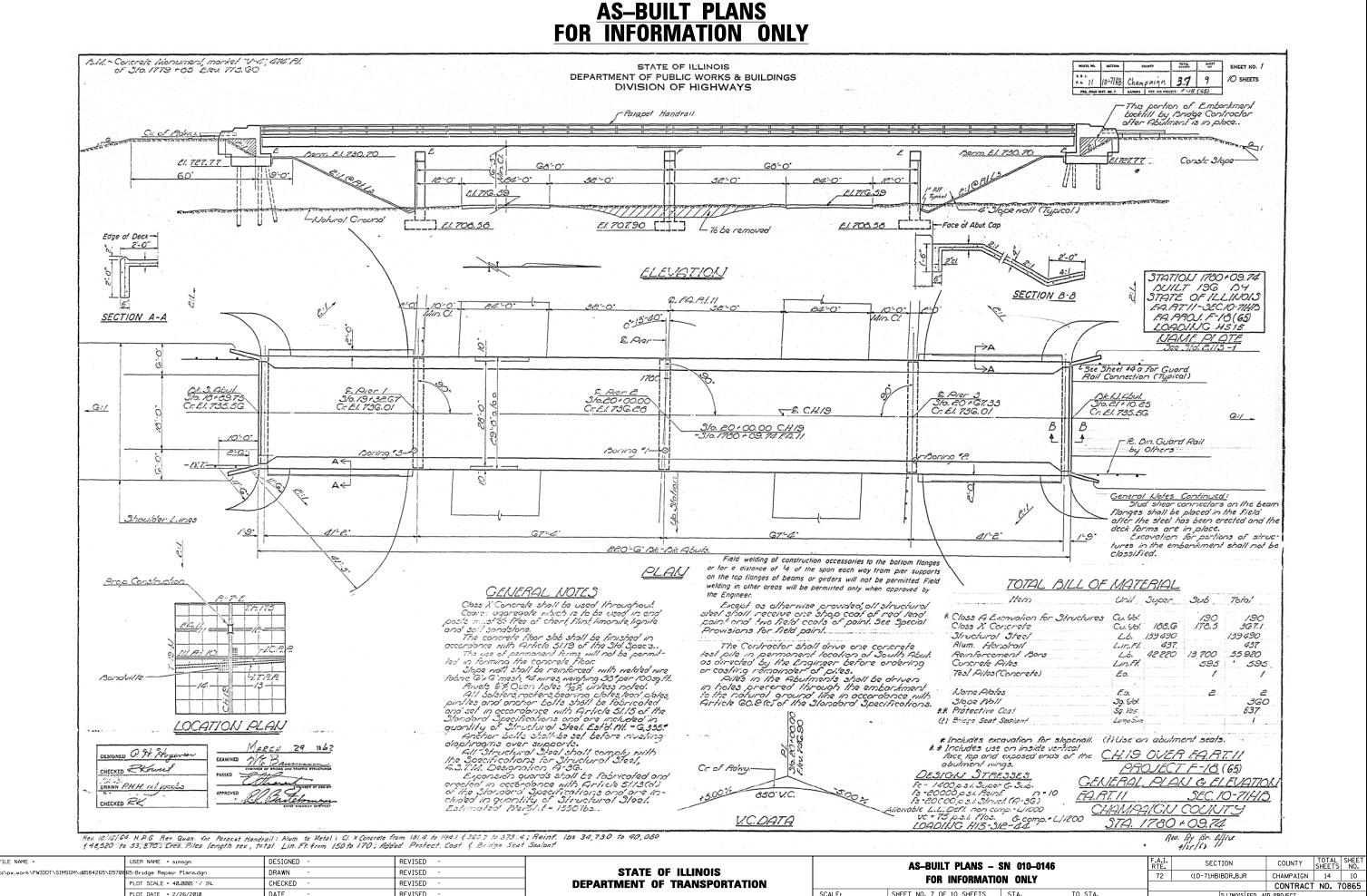
Cost included with Jack and Remove Existing Bearings.

BILL OF MATERIAL

Item	Unit	Total					
Elastomeric Bearing Assembly, Type II	Each	10					
Jack and Remove Existing Bearings	Each	10					
Furnishing and Erecting Structural Steel	Pound	1090					
Anchor Bolts 1'4	Each	20					

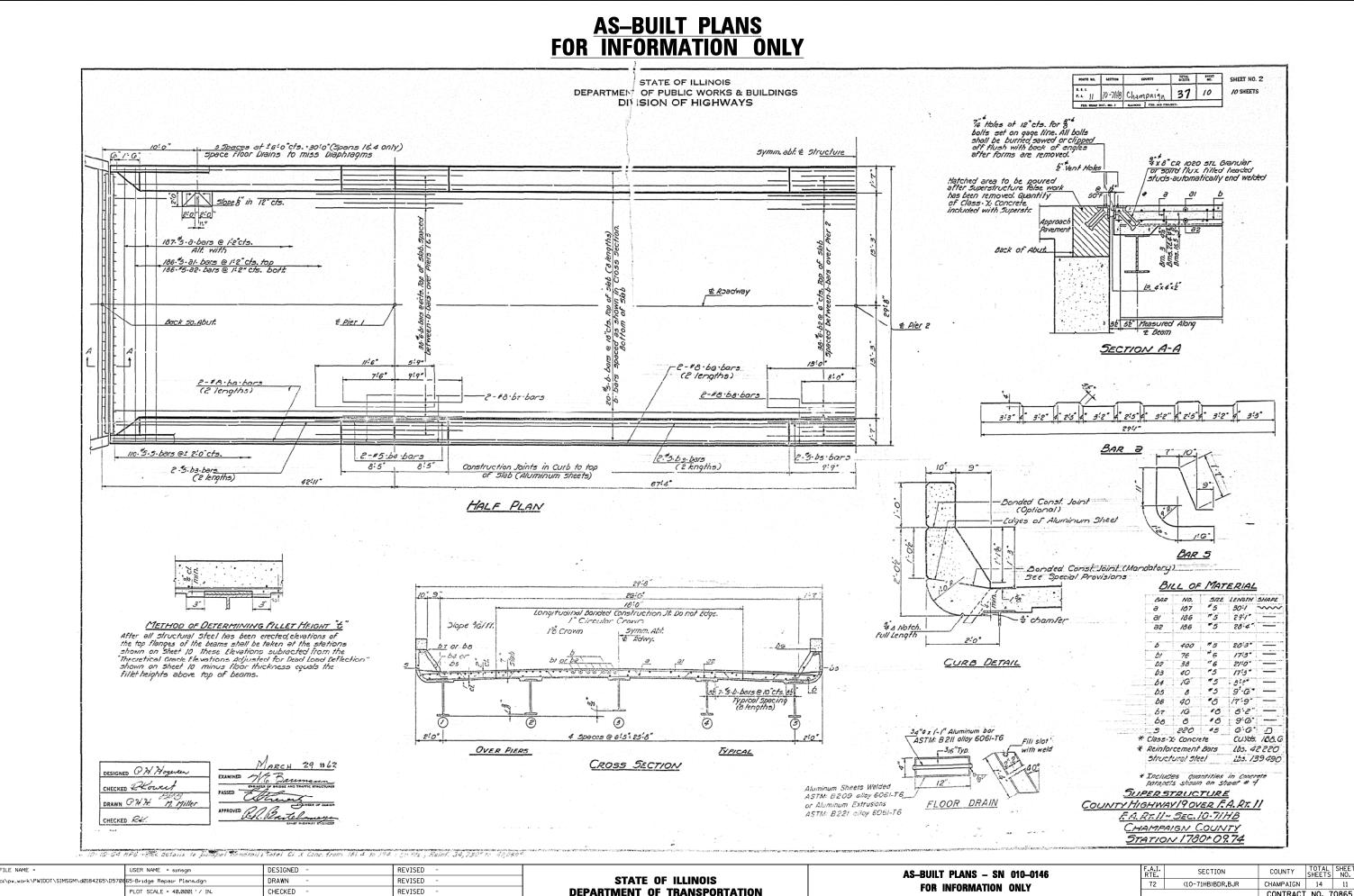
REPAIR DETAILS CH 19 OVER I-72 SN 010-0146

0. 3	F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
	72 (10-71HB)BDR,BJR			CHAMPAIGN	14	9	
TS		-		CONTRACT	NO. 70	865	
	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						



SCALE: SHEET NO. 7 OF 10 SHEETS STA. DATE REVISED PLOT DATE = 2/26/2010

FILE NAME =



REVISED **DEPARTMENT OF TRANSPORTATION** SCALE: SHEET NO. 8 OF 10 SHEETS REVISED

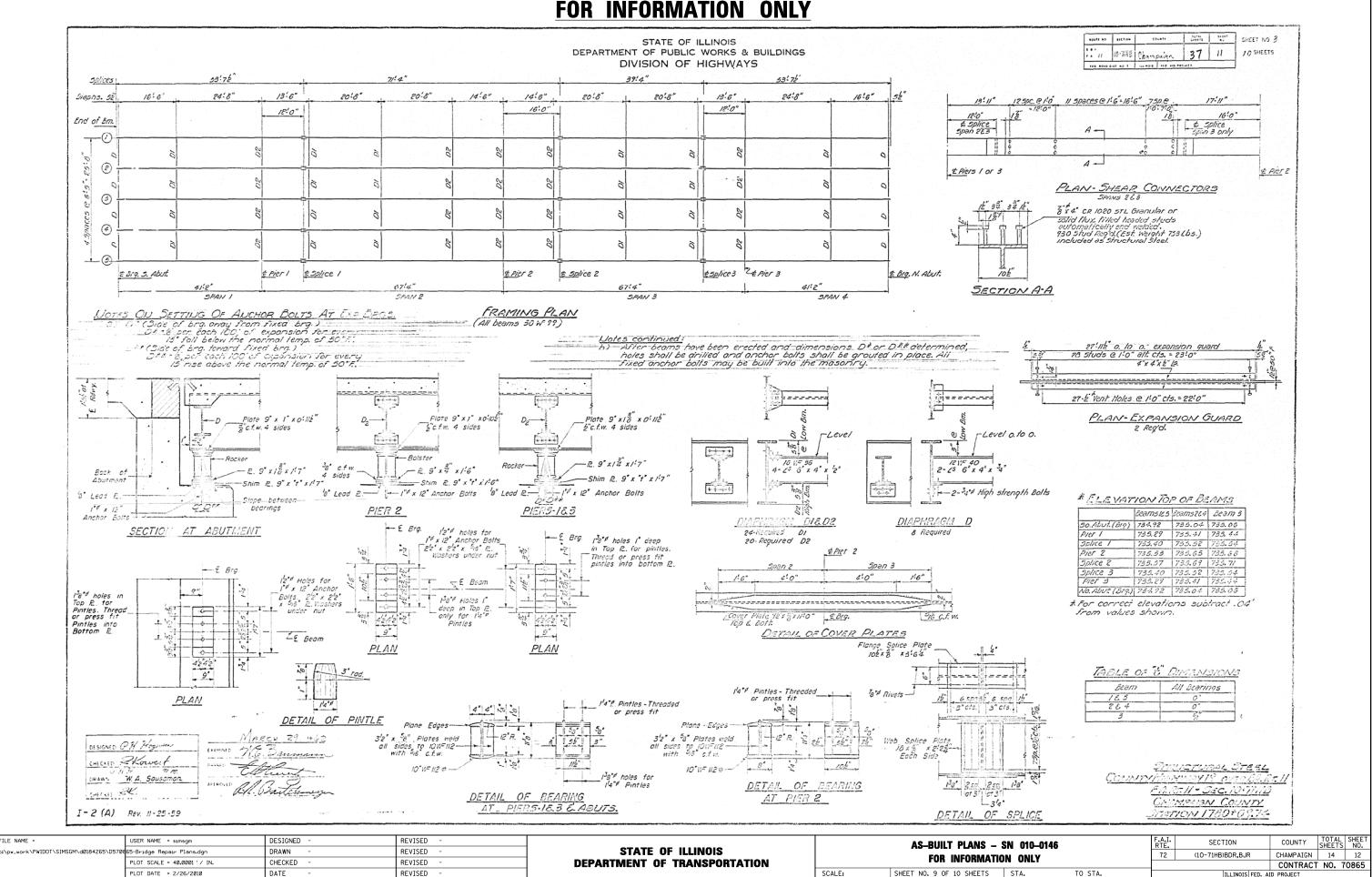
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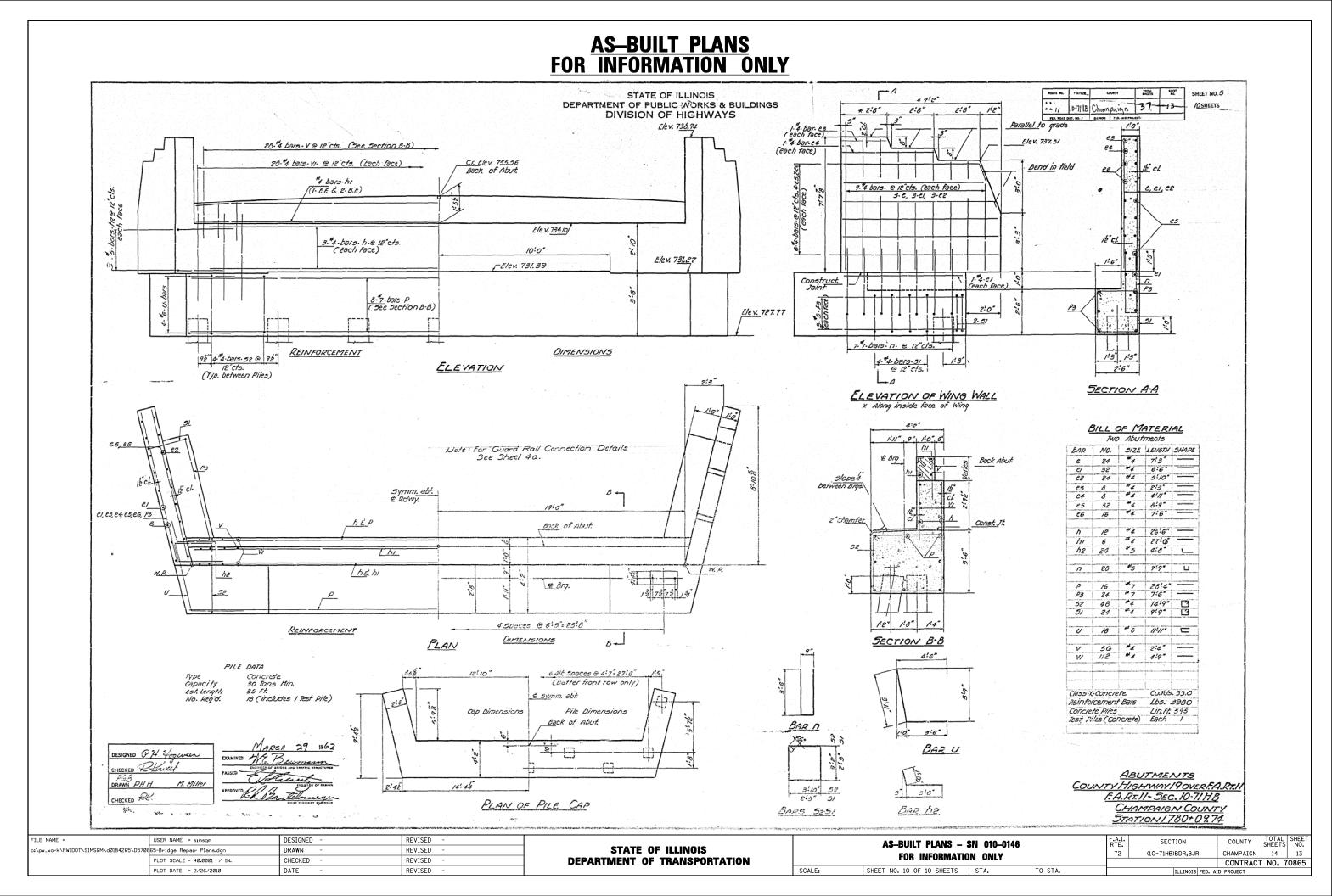
PLOT DATE = 2/26/2010

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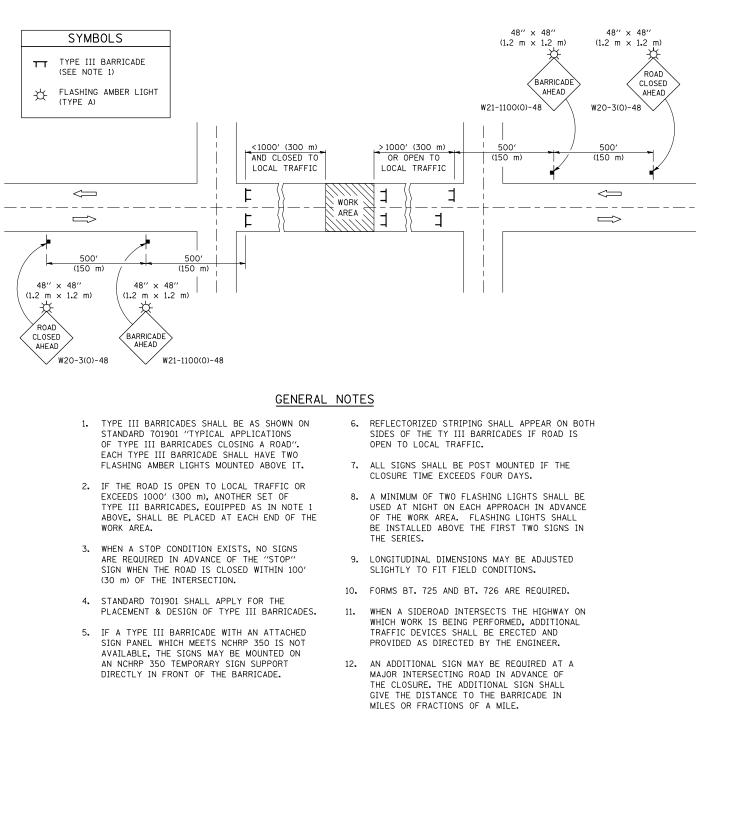
AS-BUILT PLANS FOR INFORMATION ONLY

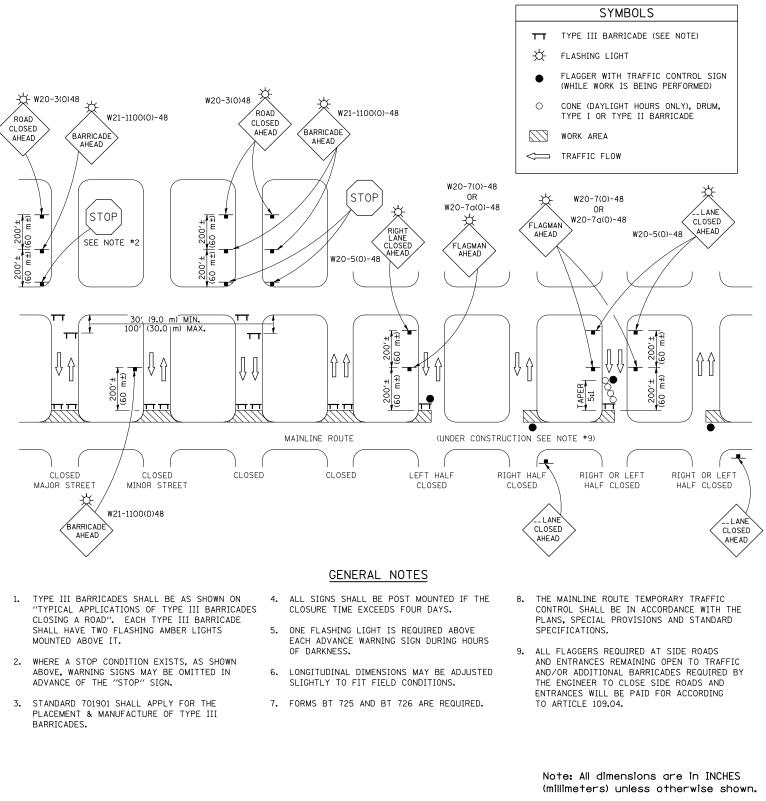


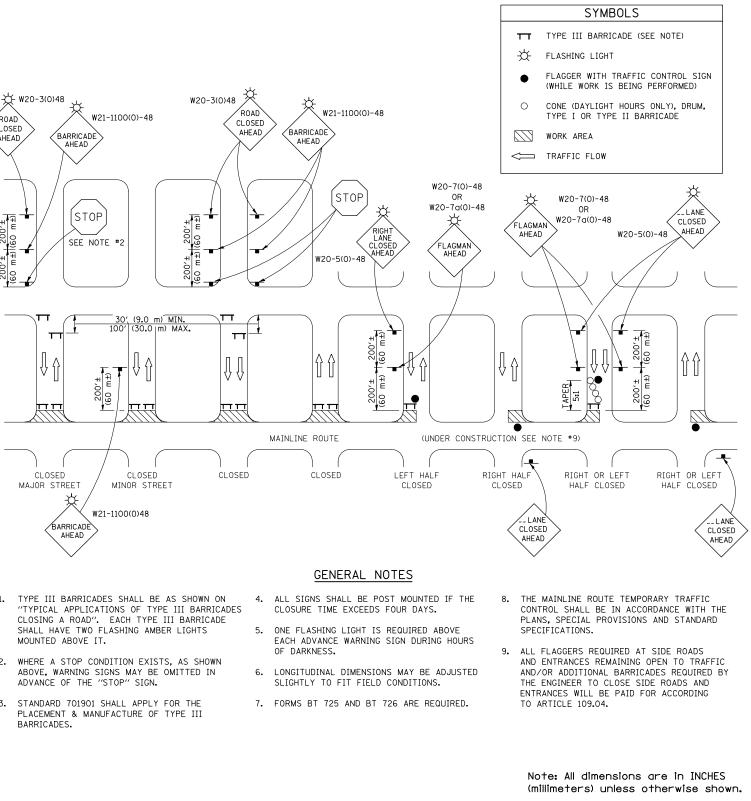
FILE NAME =



ROAD CLOSURE







							DISTRICT 5 DETAI	IL NO. 70200000
FILE NAME =	USER NAME = simsgm	DESIGNED -	REVISED - 11/06			TRACEIC CONTROL & BRATECTION DEVICES	F.A.I. SECTION	COUNTY TOTAL SHEET
c:\pw_work\PWIDOT\SIMSGM\d0184265\D5708	65-Bridge Repair Plans.dgn	DRAWN -	REVISED - 12/07	STATE OF ILLINOIS	TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD/STREET CLOSURES) SCALE: SHEET NO. OF SHEETS STA. TO STA. TO		72 (10-71HB)BDR.BJR	CHAMPAIGN 14 14
	PLOT SCALE = 40.0001 ' / IN.	CHECKED -	REVISED - 09/09 - KJT	DEPARTMENT OF TRANSPORTATION		(RUAD & SIDERUAL/STREET CLUSURES)		CONTRACT NO. 70865
	PLOT DATE = 2/26/2010	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AI	

SIDEROAD / STREET CLOSURE