STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

SECTION

D-91-011-19

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN THE VILLAGE OF MCCOOK

0

0

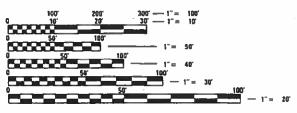
DESIGN DESIGNATION OTHER PRINCIPAL ARTERIAL ADT 11,800 (2014) SPEED LIMIT 45 MPH

PROPOSED HIGHWAY PLANS

FAU ROUTE 3562 / JOLIET ROAD OVER B&OCT RR (0.5 MILE SOUTH OF IL 171) **SECTION: 2018-074-BJR BRIDGE REPAIR (SUBSTRUCTURE REPAIRS) COOK COUNTY**

C-91-210-19

IMPROVEMENT LOCATION FAU 3562 /JOLIET ROAD OVER B&OCT RR STRUCTURE NO: 016-0394



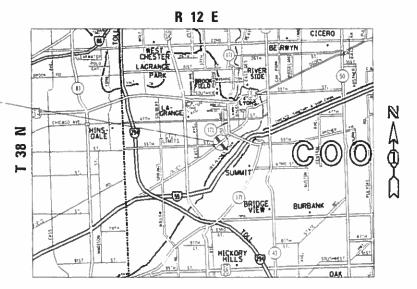
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: ALAIN MIDY (847) 221-3056 PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62H17



LYONS TOWNSHIP

GROSS AND NET LENGTH = 248.2 FT. = 0.047 MILE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION teb

LOCATION OF SECTION INDICATED THUS: - -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

COVER SHEET

- INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES AND GENERAL PAINT NOTES 2.
- 3. SUMMARY OF QUANTITIES
- SUBSTRUCTURE REPAIR SHEETS (SN 016-0394) 4-7.
- EXISTING BRDIGE FRAMING PLAN 8.
- EXISTING BEARING DETAILS
- TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)

STANDARD NO.	DESCRIPTION
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701901-08	TRAFFIC CONTROL DEVICES

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF MCCOOK.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4151 FOR EXPRESSWAYS A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE BRIDGE INSPECTORS.

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 THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED AT THE UNIT PRICE BID FOR THE WORK.

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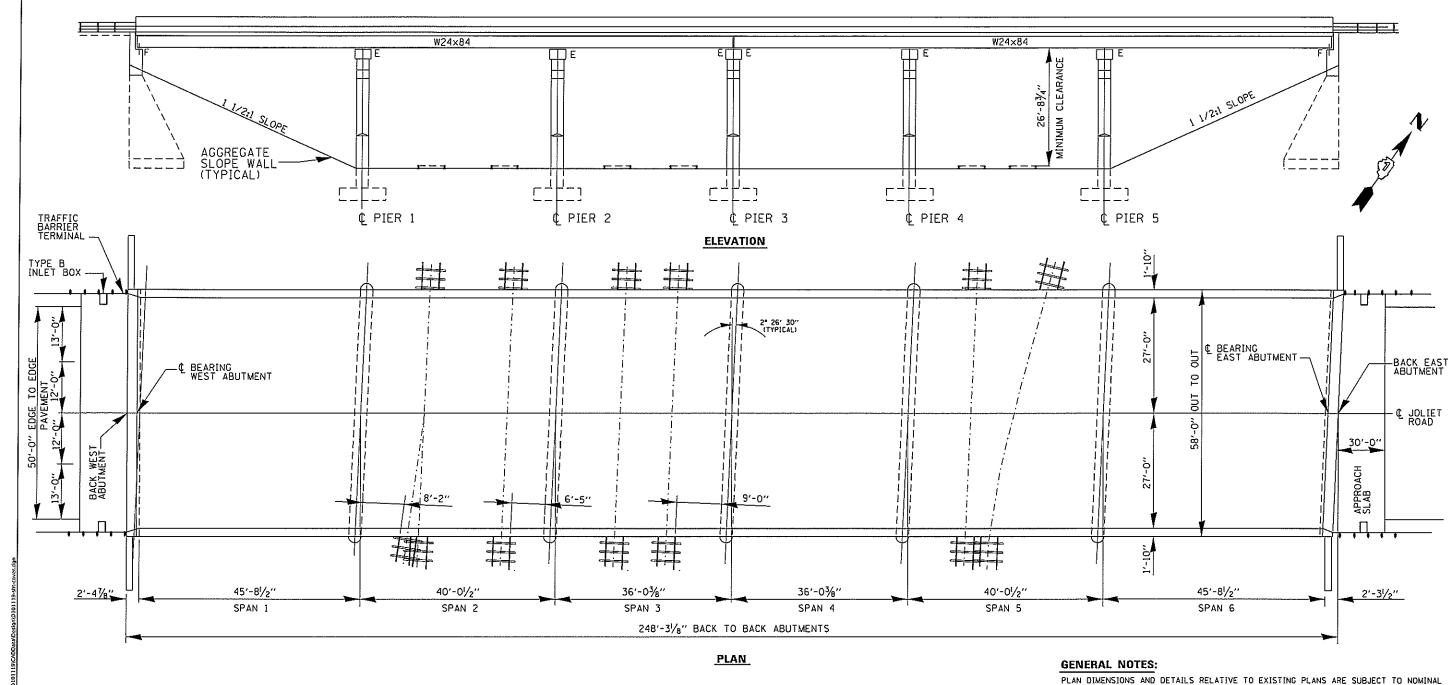
SECTION

2018-074-BJR

3562

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				100% STATE													
	SUMM	ARY OF QUANTITIES		URBAN		CONSTRUCTION TYPE CO	DDE			SUMMA	RY OF QUANTITIES			CON	NSTRUCTION TYPE	CODE	
CODE NO		ITEM	UNIT	TOTAL QUANTITIES	0013				CODE NO		ITEM	UNIT	TOTAL QUANTITIES				
67000400	ENGINEER'S F	IELD OFFICE, TYPE A	CAL MO	3	3												
67100100	MOBILIZATION		L SUM	1	1												
70102625	TRAFFIC CONT	ROL AND PROTECTION.	L SUM	1	1												
	STANDARD 701	606															
Z0012754	STRUCTURAL R	EPAIR OF CONCRETE (DEPTH	SO FT	799	799												
	EQUAL TO OR	LESS THAN 5 INCHES)															
Z0012755	STRUCTURAL R	EPAIR OF CONCRETE (DEPTH	SO FT	120	120												
	GREATER THAN	5 INCHES)															
Z0048665	RAILROAD PRO	TECTIVE LIABILITY INSURANCE	L SUM	1	1												
Z0073200	TEMPORARY SH	ORING AND CRIBBING	EACH	16	16												
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001 005470

Pier 2 Pier 3 (Sp.#3) & Pier 4 Pier 3 (Sp.#4) W. Abut. Pier 1 & E. Abut. & Pier 5 R D.L. (k) 22.1 57.2 46.1 16.9 R L.L. (k) 33.3 39.2 37.9 30.7 9.8 9.2 Imp.(k) 11.7 11.4 R (Total) (k) 65.2 108.1 95.4 56.8

INTERIOR GIRDER REACTION TABLE

Expines 1/30/20

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 ADJUSTMENT PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED AT THE UNIT PRICE BID FOR THE WORK.

NOT TO SCALE PLANS

TOTAL BILL OF MATERIAL

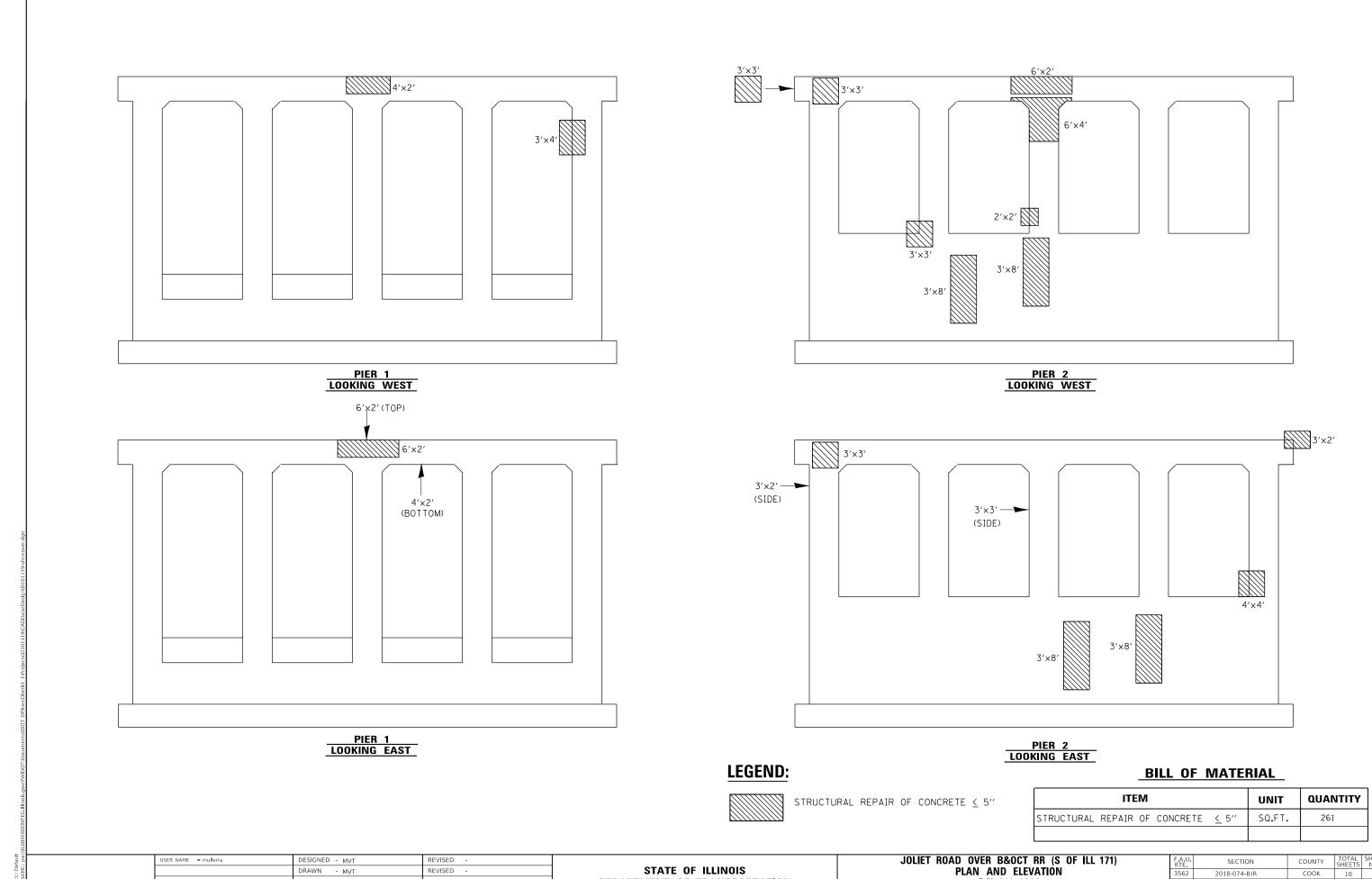
ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE < 5"	SO.FT.	799
STRUCTURAL REPAIR OF CONCRETE > 5"	SO.FT.	120
TEMPORARY SHORING AND CRIBBING	EACH	16

USER NAME = mullerta	DESIGNED - MVT	REVISED -
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STATE	OF ILLINOIS
DEPARTMENT	OF TRANSPORTATION

SCALE:

J	OLIET RO	DAD OV			S OF ILL 171)	F.A,U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		PLAN		LEVATIO	N [3562	2018-074-6JR	COOK	10	4
			<u>S.N. 016–</u>	0394				CONTRACT	NO. 67	2H17
	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PAOJECT		



STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

F.A.U. RTE 3562

TO STA.

S.N. 016-0394OF SHEETS STA.

SCALE:

SHEET

SECTION

2018-074-BJR

COUNTY SHEETS NO.

COOK 10 5

CONTRACT NO. 62H17

DRAWN - MVT

CHECKED - MJA

DATE

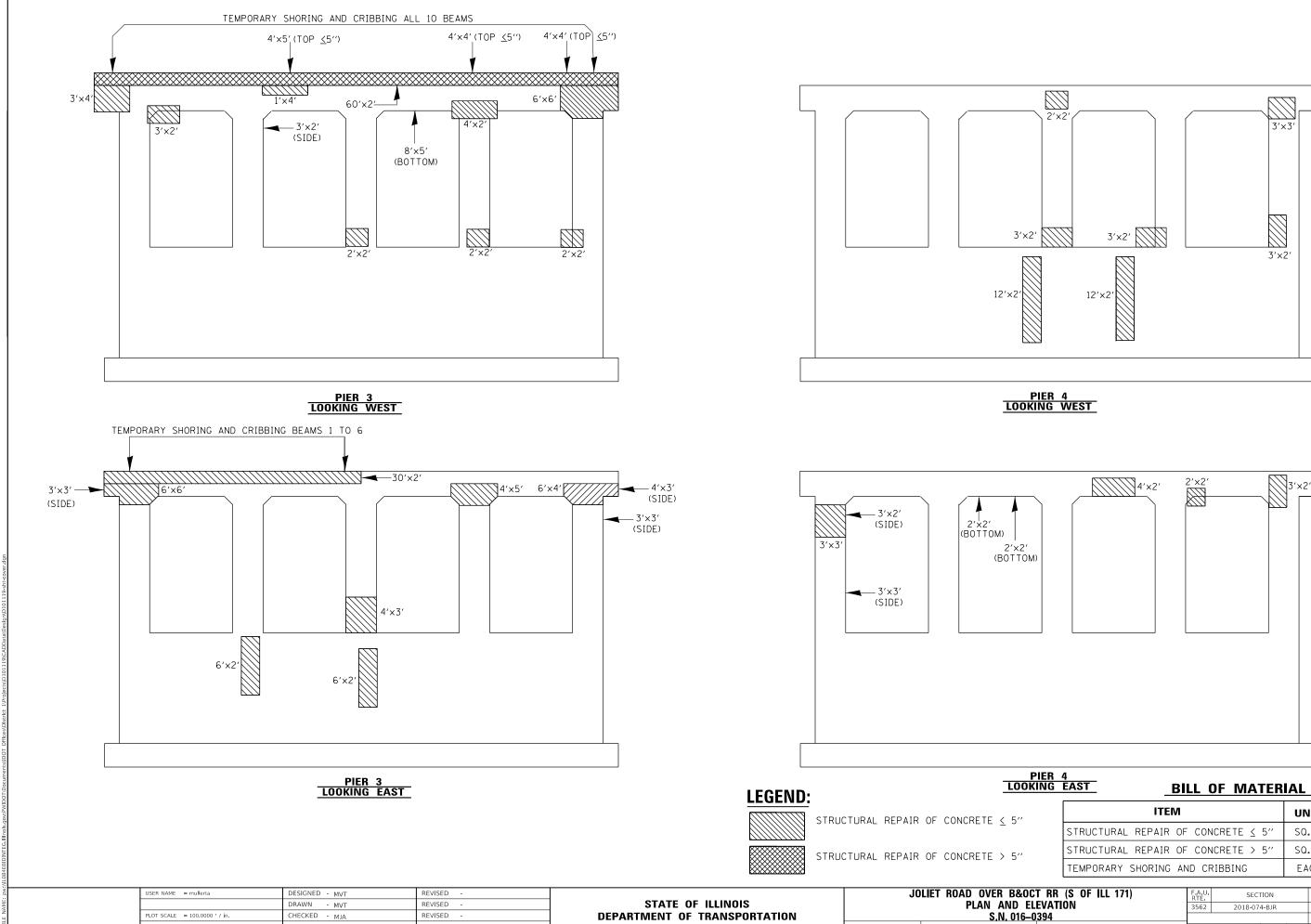
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PLOT DATE = 12/31/2018

REVISED

REVISED

REVISED



SCALE:

SHEET

3'×3'

3'×2'

3′×2′

QUANTITY

511

120

16

COUNTY SHEETS NO.

COOK 10 6

CONTRACT NO. 62H17

UNIT

SQ.FT.

SQ.FT.

EACH

2018-074-BJR

TO STA.

PLOT DATE = 12/31/2018

REVISED

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

3′×3′

PIER 5 LOOKING WEST

J0	LIET	PLAN	/ER B&OC1 AND ELI S.N. 016–0:	EVATIÒI	S OF ILL 171) N	
	SHEET	OF	SHEETS	STA.	TO STA.	

SCALE:

SECTION 2018-074-BJR

 COUNTY
 TOTAL SHEETS NO.

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 10
 7

 CONTRACT
 NO. 62H17

BILL OF MATERIAL

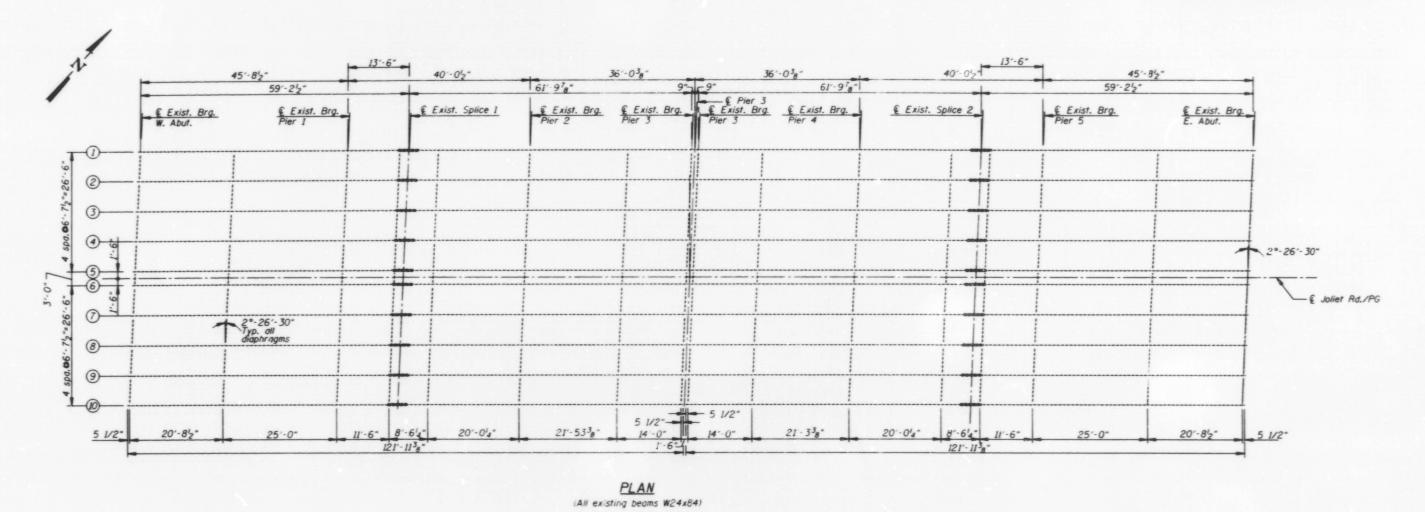
	ITE	M			UNIT	QUANTITY
STRUCTURAL	REPAIR	OF	CONCRETE	<u><</u> 5′′	SQ.FT.	27

LEGEND:

STRUCTURAL REPAIR OF CONCRETE < 5"

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

90F IS. 90		927388	CROSSTY		TOTAL SIZETS	363 6.	SHEET NO. S-II OF S-23 SHEETS
FAB. 3562		430-Y8-R	COOK		52	37	
70. 10	10 UST.	4.1	NAMES.	-	PAGET		



FOR INFORMATION ONLY

EXISTING FRAMING PLAN

JOLIET ROAD OVER B & O AND IHB RR

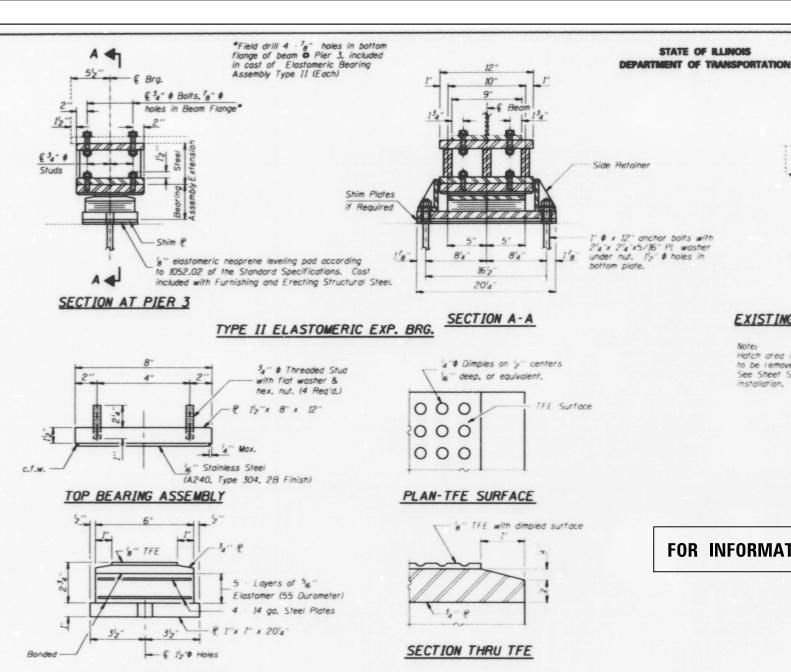
F.A.U. ROUTE 3562 SECTION 430-VB-R

COOK COUNTY

STA. 21+00.90

STRUCTURE NO. 016-0394

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€ 12" Ø Hole

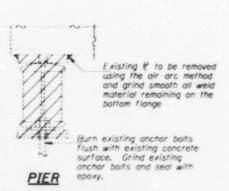
SIDE RETAINER

will be allowed in lieu of welded plates.

Weight included with Structural Steel.

Equivalent rolled angle with stiffeners

BOTTOM BEARING ASSEMBLY



EXISTING BEARING REMOVAL

Hatch area indicates existing bearing to be removed. See Sheet 5 21 for anchor bolt

JACK AND REMOVE EXISTING BEARING PROCEDURE

MOUTE NO. SECTION

FAIL 3562 430-VB-R

COUNTY

METS MET SHEET NO. S-13

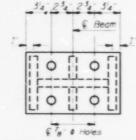
S-23 SHEETS

52 39

- 1. The Contractor shall submit plans for jacking and removing bearings to the Engineer for approval prior to commencing replacement of abutment sections and work at the bearings. See Special Provisions. The cost of removal of the existing bearings shall be included with the cost of Jack and Remove Existing Bearings.
- 2. Jacking and removing shall be done after the existing deck is removed and before the new deck is poured.
- 3. The beams shall be supported by cribbing prior to removal of existing bearings.
- 4. The maximum dead load reaction with the deck removed (per bearing) at the pier is 1.5 tons. Minimum jack capacity is 3 tons.
- The bottom flange area of the existing beam shall be cleaned as specified by the Special Provisions "Cleaning and Painting Adjacent Areas of Existing
- 6. The new bearings shall be in place and the jacks shall be lowered before the new concrete deck is poured.
- 7. In the field, verify the top of concrete elevations before fabrication of the

FOR INFORMATION ONLY

SECTION B-B



PLAN STEEL EXTENSION

1" x 8" x 12" (top & bottom, * See note 7.

ELEVATION STEEL EXTENSION

(20 Required)

Tatal Elastomeric Bearing Each 20 Assembly Type II Jacking & Removing 20 Each Existing Bearings

BILL OF MATERIAL

BEARING DETAILS

JOLIET ROAD OVER B & O AND IHB RR F.A.U. ROUTE 3562 SECTION 430-VB-R COOK COUNTY

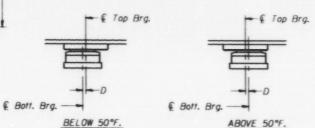
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STRUCTURE NO. 016-0394

DA CHECKED- J.K.I	DESIGNED: PLEE	Harding ESE
	UNAMB ULEN	

Note: The '8" TFE sheet shall be bonded directly to the top steel plate with a two component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM A 134. Type 1. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

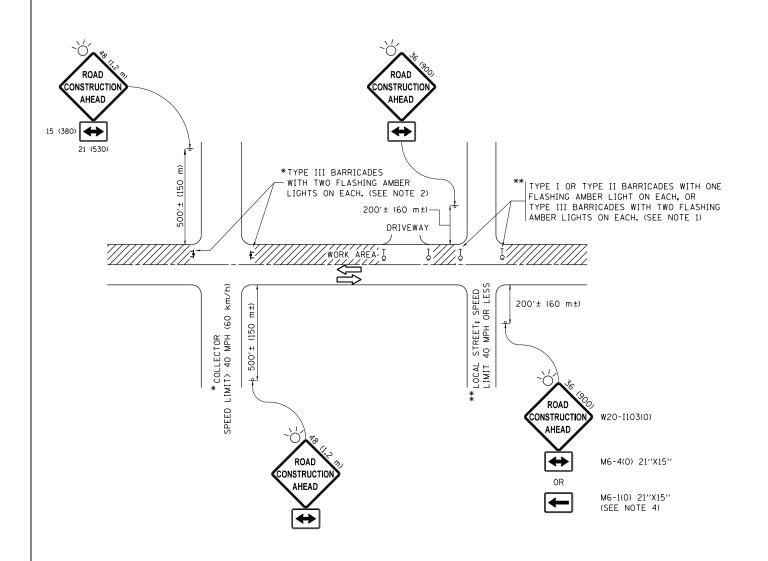


(Move bott, brg. away from fixed brg.) (Move bott, brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

D=18" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

DESIGNED REVISED USER NAME = mullerta SECTION COUNTY JOLIET ROAD OVER B&OCT RR (S OF IL 171) STATE OF ILLINOIS w:\\ILØ84EBIDINTEG.:ll:nois.gov:PWIDOT\D ments\IDOT Offices\District 1\Projects\D101 19RAMObta\Design\D101119-sht-cover.dgn REVISED 3562 2018-074-BJR COOK 10 **EXISTING BEARING DETAILS** CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 62H17 SCALE: SHEETS STA. TO STA. PLOT DATE = 12/18/2018 DATE REVISED SHEET



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200" (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500" (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEICHT
- 4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

SCALE: NONE

- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINFER.
- 7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = mullerta	DESIGNED - L.H.A.	REVISED	- A. HOUSEH 10-15-96
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Default	PLOT DATE = 12/18/2018	DATE - 06-89	REVISED	- A. SCHUETZE 09-15-16

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

F	CTION FOR	TRAFFIC CONTROL AND PROTECTION FOR									
;	SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS										
	SIDE HUADS, HATCHSECTIONS, AND DRIVEWATS										
	TO STA	STA	SHEETS	1	OF	SHEET 1					

F.A.U. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEE NO.
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