

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.U. ROUTE 1598: 139TH ST.
OVER CN & IHB RR
SECTION: 0303BR-1
BRIDGE REPAIRS
COOK COUNTY

C-91-420-14

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1598	0303BR-1	COOK	21	1
ILLINOIS			CONTRACT NO. 60Y52	

*21+5=26

D-91-420-14



LOCATION OF SECTION INDICATED THUS: - [black rectangle]

FOR INDEX OF SHEETS, SEE SHEET NO. 2

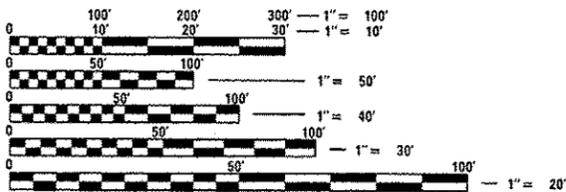
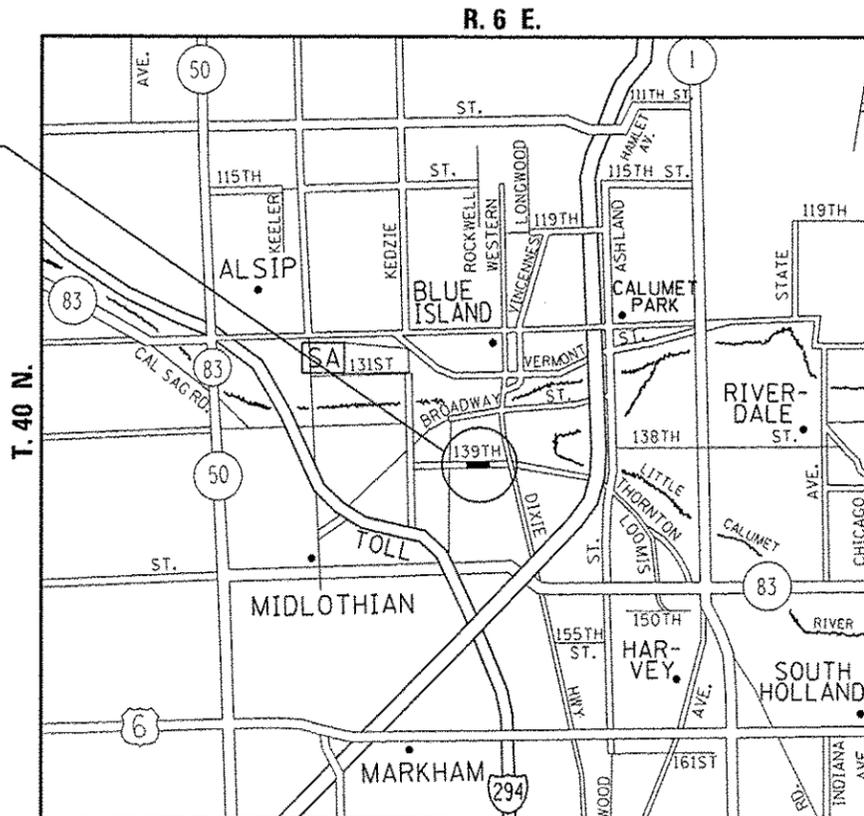
THE IMPROVEMENT IS LOCATED IN THE CITY OF BLUE ISLAND.

TRAFFIC DATA

ADT (2010) = 9,100

POSTED SPEED LIMIT = 35 MPH

IMPROVEMENT
LOCATION
SN: 016-0994



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 J. ALAIN MIDY (847) 221-3056
PROJECT MANAGER ISSAM RAYYAN (847) 705-4178

CONTRACT NO. 60Y52

GROSS & NET LENGTH = 917.10 FT. = 0.173 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 22 20 14
John F. [Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Mar 20 20 15
John D. Baranzolli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Mar 20 20 15
Emad Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	TITLE SHEET
2.	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3.	SUMMARY OF QUANTITIES
4-16.	BRIDGE REHABILITATION PLANS (SN 016-0994)
X 17.	TRAFFIC DETOUR PLAN
18.	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
19.	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
20.	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS (TC-21)
21.	ARTERIAL ROAD INFORMATION SIGN (TC-22)
* Added 17A. TEMPORARY INFORMATION SIGNING	

STATE STANDARDS

STANDARD NO	DESCRIPTION
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO EOP
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701801-05	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES

GENERAL NOTES:

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF BLUE ISLAND.

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) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

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.

THE DEPARTMENT HAS DETERMINED THAT IN STREAM WORK IS NOT REQUIRED FOR THE WORK SPECIFIED IN THIS CONTRACT. ACTIVITIES REQUIRING AN ASCOE 404 PERMIT ARE NOT PERMITTED.

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.

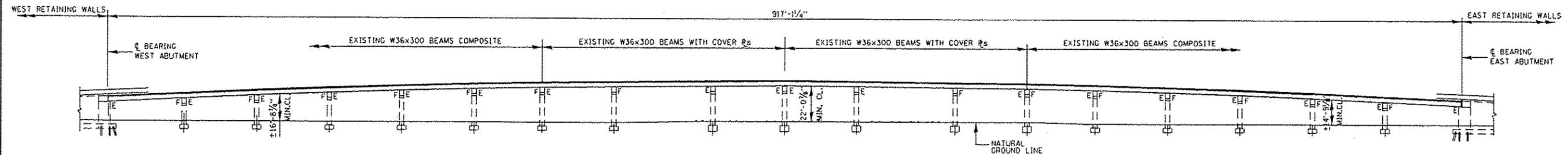
THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER AT (708) 597-9800 AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.

Rev.

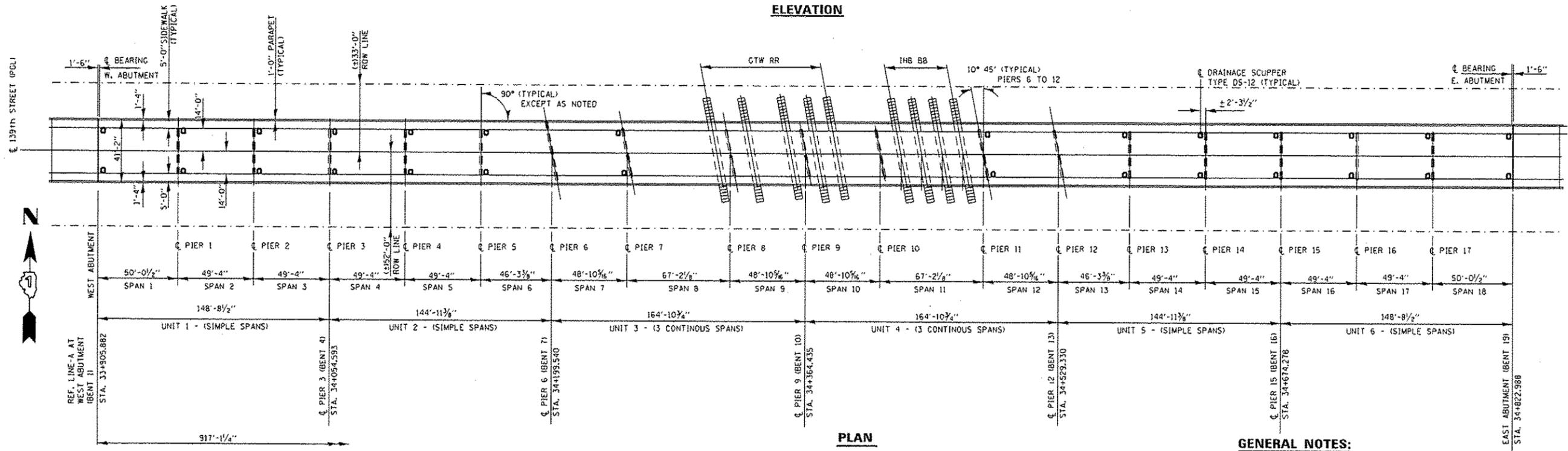
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c:\pwwork\p1dot\pyzzenowshrb\d040910	0142014-hts-plan.dgn	DRAWN -	REVISED -			1598	0303BR-1	COOK	21	2	
Default	PLOT SCALE * 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60Y52					
	PLOT DATE * 11/6/2014	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO
						ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE 0014						SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0014						CODE NO	ITEM	UNIT	TOTAL QUANTITIES							
X5870015	BRIDGE DECK CONCRETE SEALER	SQ YD	4586	4586																
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3																
67100100	MOBILIZATION	L SUM	1	1																
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1																
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	422	422																
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	50	50																
Z0021400	EXPANSION JOINT (SPECIAL)	FOOT	612.4	612.4																
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4																
Z0041895	POLYMER CONCRETE	CU FT	2.6	2.6																
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1																
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	12	12																
Z0001905	STRUCTURAL STEEL REPAIR	POUND	6750	6750																

URBANA
100%
STATE



ELEVATION



PLAN

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 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.
- ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO CLASSIFICATION M-270 Gr. 36, UNLESS OTHERWISE NOTED.
- FASTENERS SHALL BE HIGH STRENGTH BOLTS. FLANGE SPLICE HOLES SHALL BE 5/8" Ø FOR 3/8" Ø BOLTS. WEB SPLICE HOLES SHALL BE 1/4" Ø FOR 3/4" Ø BOLTS.
- ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH THE INORGANIC ZINC RICH PRIMER PER AASHTO M300, TYPE 1, COST INCLUDED WITH STRUCTURAL STEEL REPAIRS.
- EXISTING STRUCTURAL STEEL THAT WILL BE IN CONTACT WITH NEW STRUCTURAL STEEL SHALL BE CLEANED AND PAINTED PRIOR TO ERECTION AS REQUIRED BY THE SPECIAL PROVISION "CLEANING AND PAINTING CONTACT SURFACE AREAS OF EXISTING STEEL STRUCTURES".
- THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

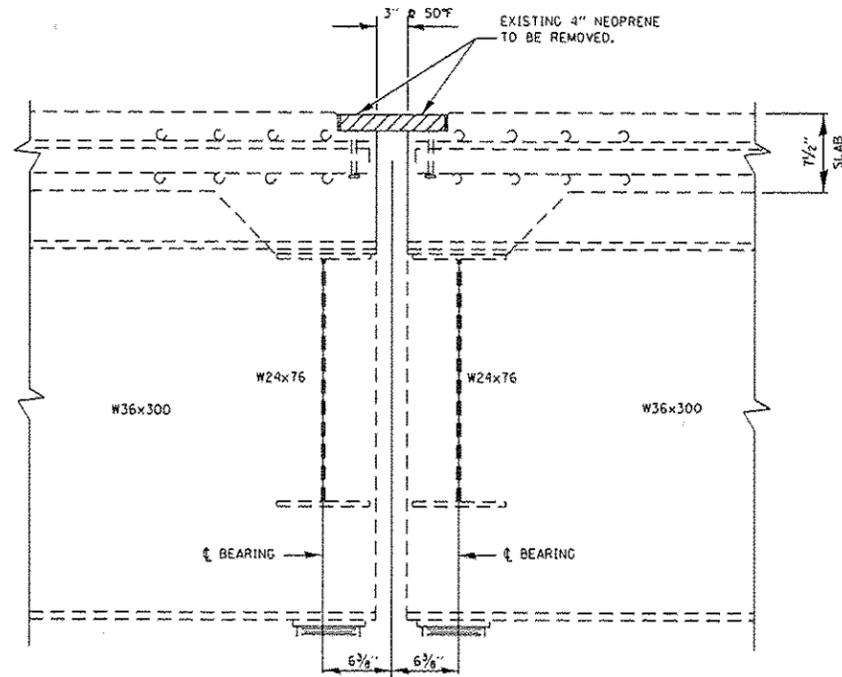
TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
EXPANSION JOINT (SPECIAL)	FOOT	612.4
STRUCTURAL REPAIR OF CONCRETE (DEPTH ≤ 5")	SD.FT.	422
STRUCTURAL REPAIR OF CONCRETE (DEPTH > 5")	SD.FT.	50
TEMPORARY SHORING AND CRIBBING	EACH	12
POLYMER CONCRETE	CU. FT.	2.6
BRIDGE DECK CONCRETE SEALER	SD.YD.	4586
* STRUCTURAL STEEL REPAIR	POUND	6750

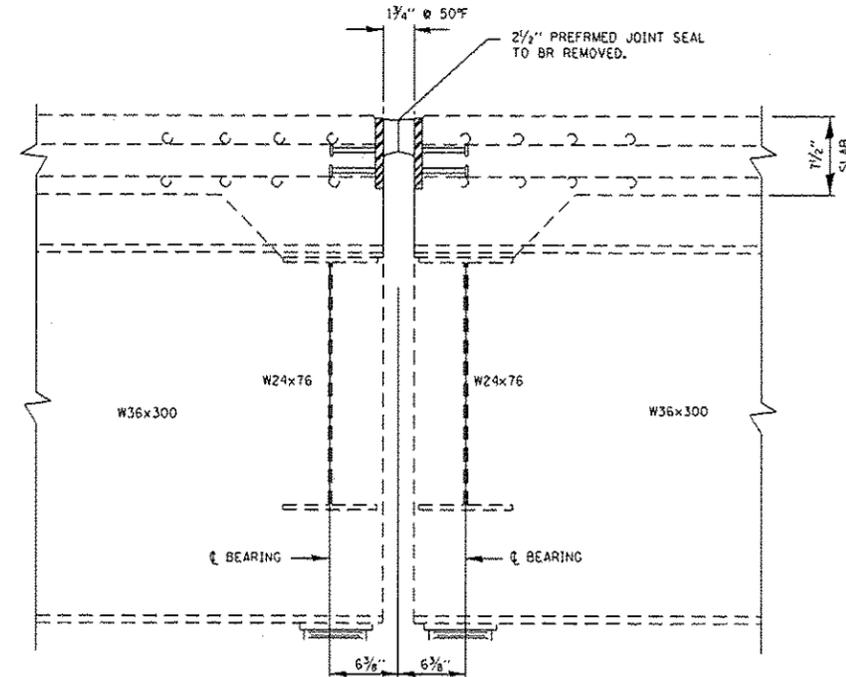
* FOR DETAILS SEE SHEETS 4A-4D OF 13



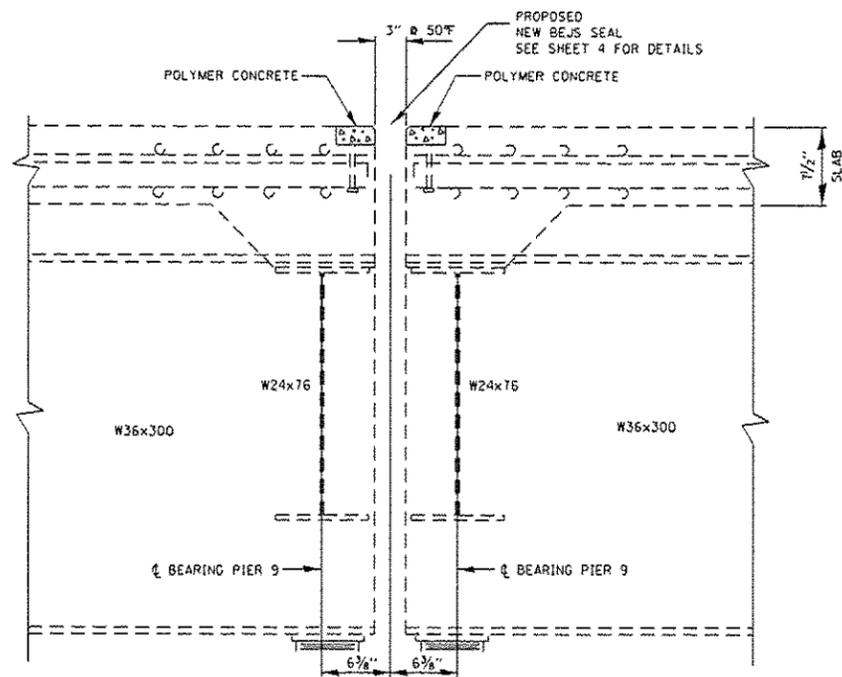
David Carl Puzey 12/4/14
Expires 11/30/16



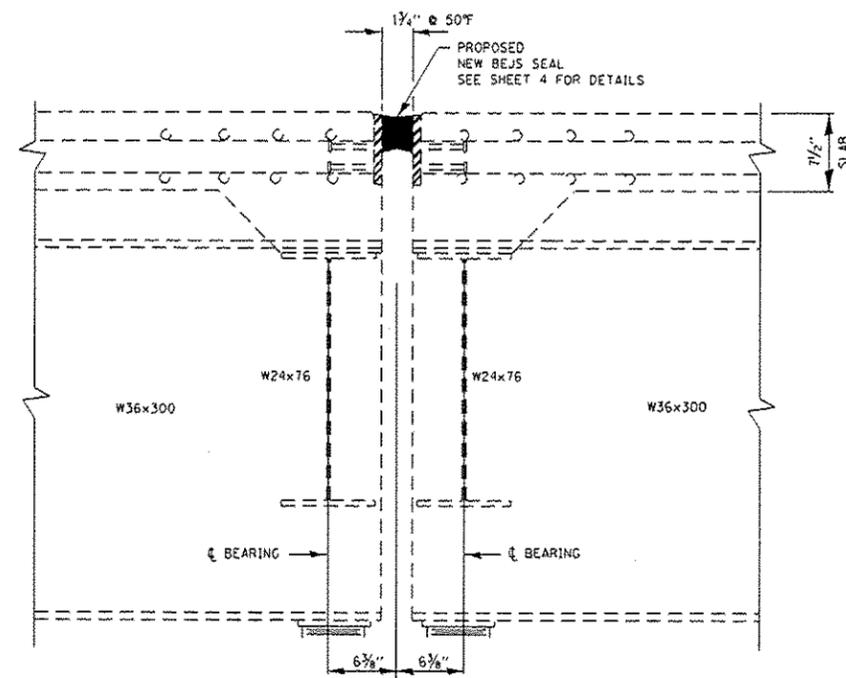
SECTION B-B
EXISTING NEOPRENE JOINT AT PIER 9



SECTION C-C
EXISTING PREFORMED JOINT SEAL AT PIERS 1-6 AND 12-17



SECTION B-B
PROPOSED BEJS SEAL AT PIER 9



SECTION C-C
PROPOSED BEJS SEAL AT PIERS 1-6 AND 12-17

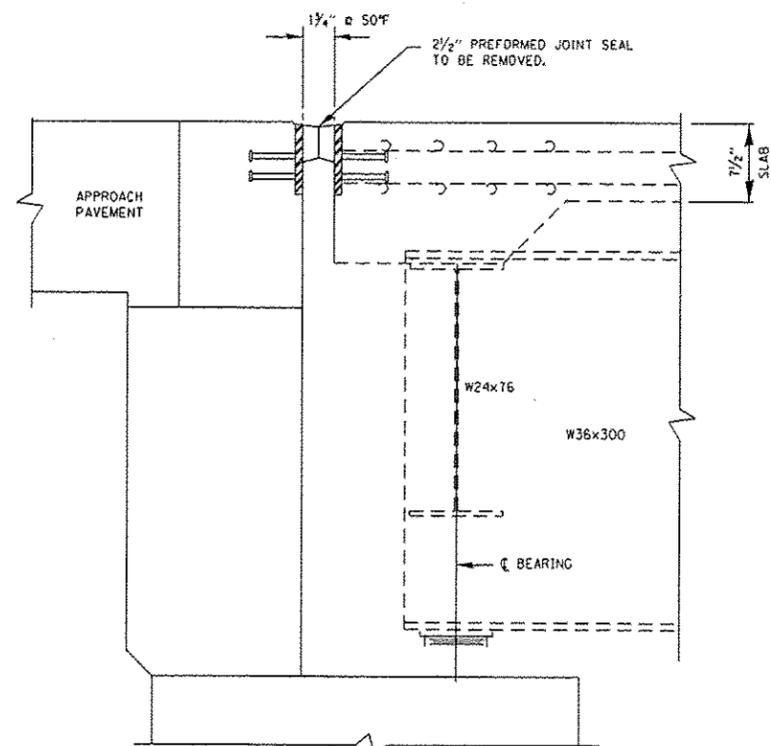
FILE NAME =	USER NAME = pyznanovskirb	DESIGNED - MVT	REVISED -
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Default	PLOT SCALE = 100.0000 / in.	CHECKED - RTB	REVISED -
	PLOT DATE = 12/4/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

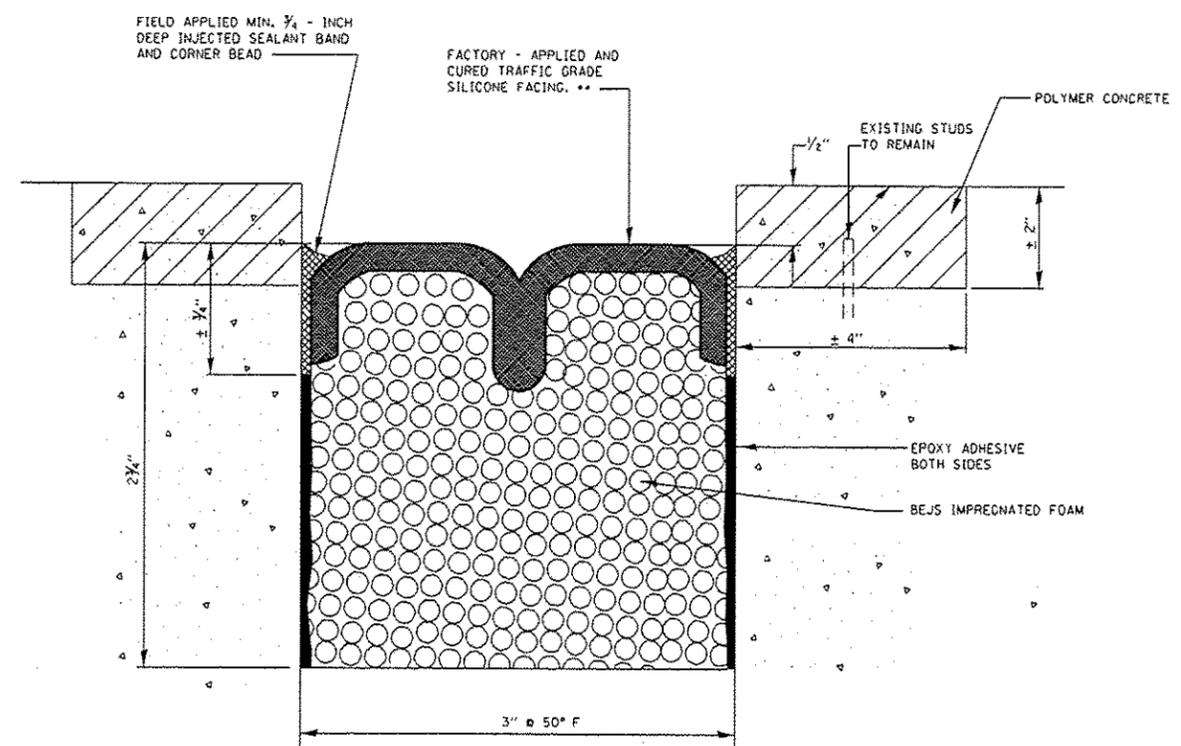
139th STREET OVER G.T.W. & I.H.R. RAILROADS
JOINT REPAIR DETAILS
S.N. 016-0994

SCALE: SHEET 3 OF 13 SHEETS STA. TO STA.

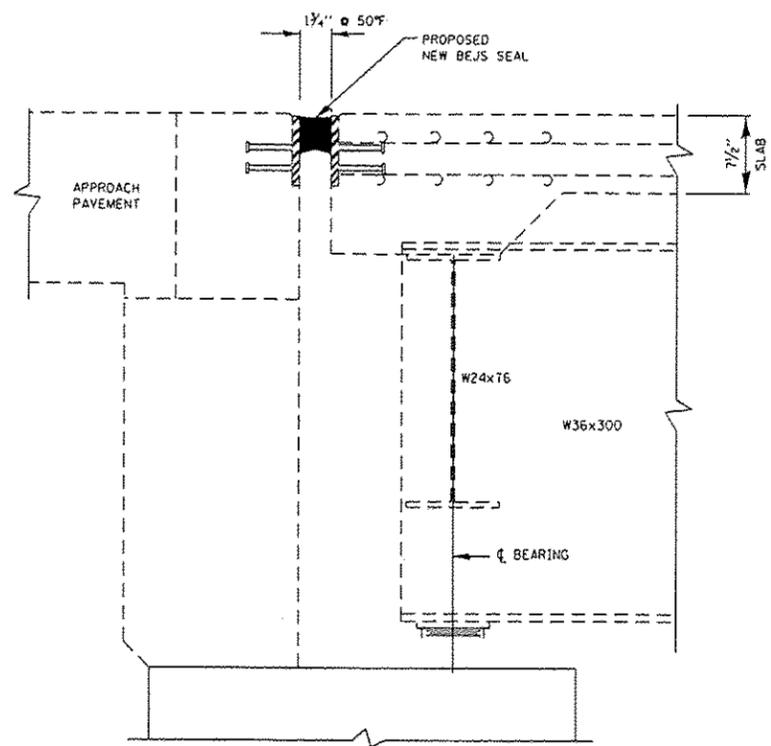
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
159B	0303BR-1	COOK	21	6
CONTRACT NO. 60Y52				
ILLINOIS FED. AID PROJECT				



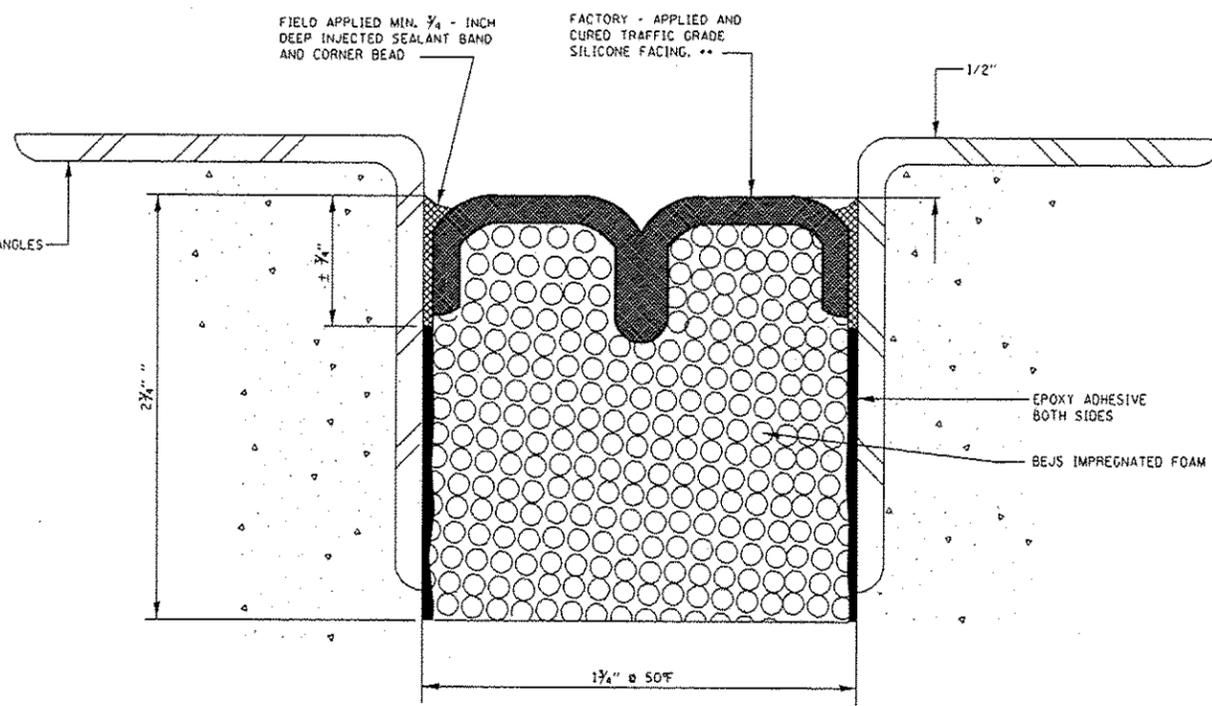
**SECTION A-A
EXISTING PREFORMED JOINT SEAL
AT EAST AND WEST ABUTMENTS**



**BEJS JOINT SEAL
AT NEOPRENE BLOCKOUT PIER 9**



**SECTION A-A
PROPOSED NEW BEJS SEAL
AT ABUTMENTS**



**BEJS JOINT SEAL
AT PIERS 1-6, 12-17 AND ABUTMENTS**

FILE NAME :	USER NAME : pyzranovskirb	DESIGNED - MVT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	139th STREET OVER G.T.W. & I.H.R. RAILROADS JOINT REPAIR DETAILS S.N. 016-0994	F.A.U. <td>SECTION</td> <td>COUNTY</td> <td>TOTAL</td> <td>SHEET</td>	SECTION	COUNTY	TOTAL	SHEET
016-0994.dgn	016-0994.dgn	DRAWN - MVT	REVISED -			1598	03038R-1	COOK	SHEETS	NO.
PLOT SCALE = 100.0000 / 1/4"		CHECKED - RTB	REVISED -						21	7
PLOT DATE = 12/4/2014		DATE -	REVISED -			SCALE: SHEET 4 OF 13 SHEETS STA. TO STA.		CONTRACT NO. 60Y52		
Default						ILLINOIS FED. AID PROJECT				

GENERAL NOTES

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

Fasteners shall be high strength bolts. Flange splice holes shall be $\frac{15}{16}$ " ϕ for $\frac{7}{8}$ " ϕ bolts. Web splice holes shall be $\frac{13}{16}$ " ϕ for $\frac{3}{4}$ " ϕ bolts.

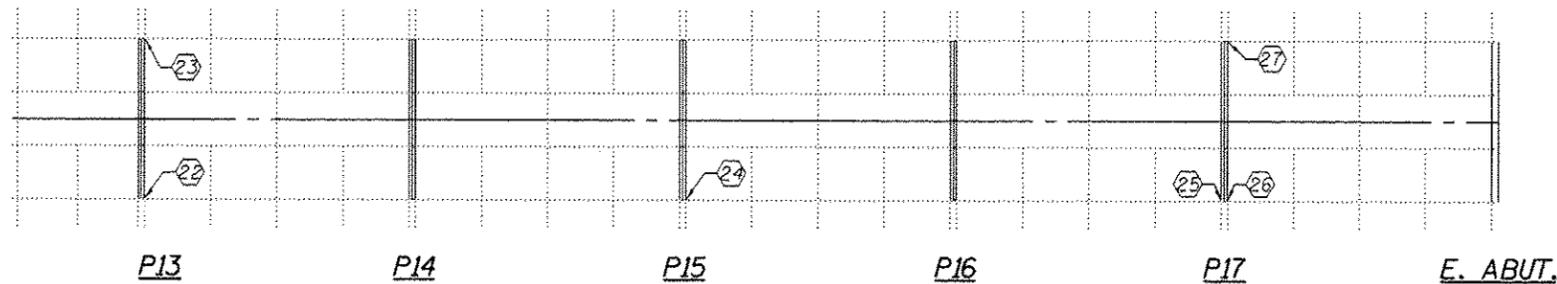
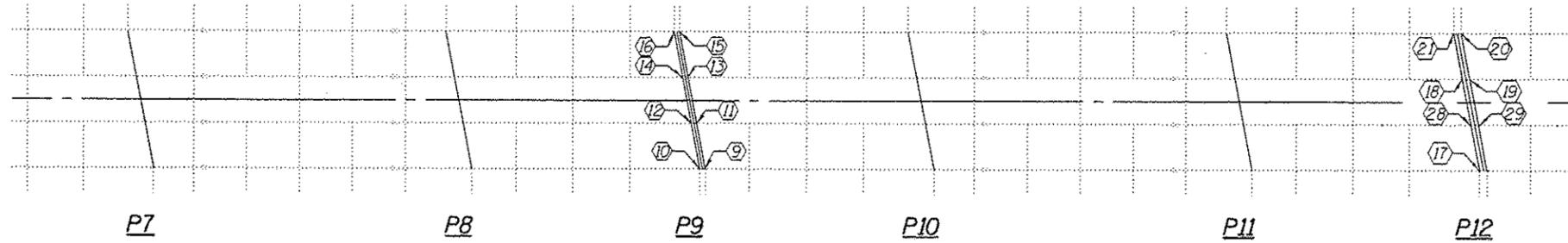
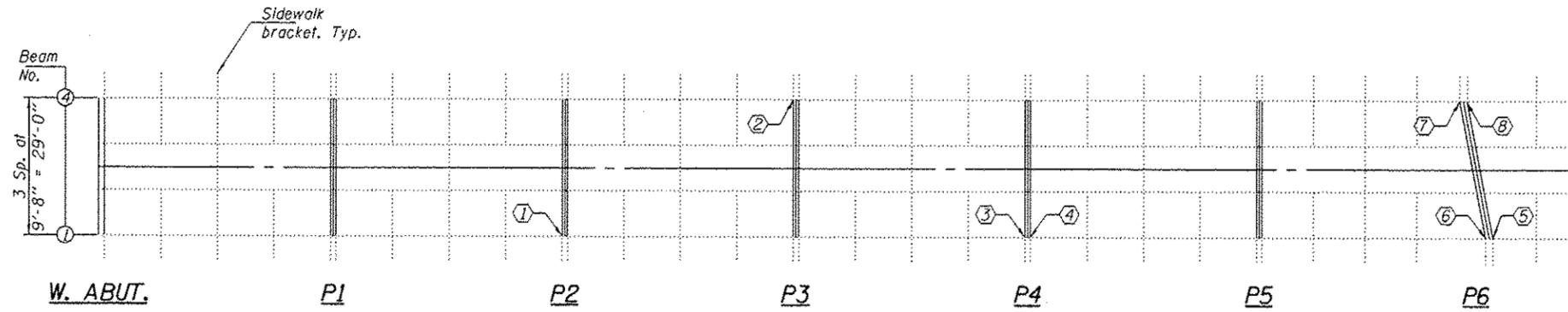
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall 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 at the unit price bid for the work.

Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Structural Steel Repair.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type I. Cost included with Structural Steel Repair.



PLAN

⬡ - Beam end repair designation

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	6750

Expires: November 30, 2016

DESIGNED - **TLC**
 CHECKED - **DAB**
 DRAWN - Kyla M. Staffen/balva
 CHECKED - **TLC DAB**

EXAMINED _____
 ACTING ENGINEER OF STRUCTURAL SERVICES
 PASSED _____
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

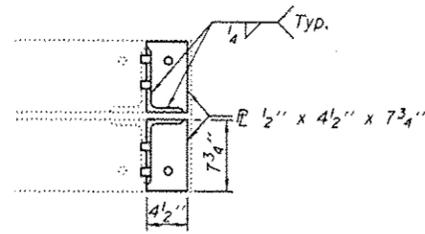
DATE - DECEMBER 4, 2014

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

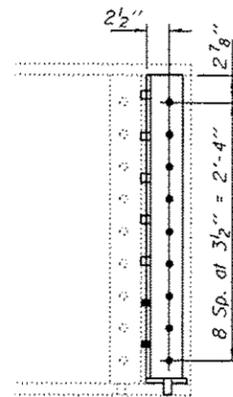
**GENERAL PLAN & ELEVATION
 FAU 1598 (139th STREET) OVER CSX RR
 SN 016-0994**

SHEET NO. 4A OF 13 SHEETS

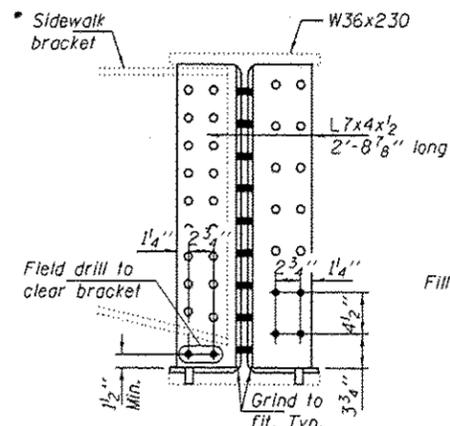
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1598	0303BR-1	COOK	21	7A
CONTRACT NO. 60YS2			ILLINOIS FED. AID PROJECT	



PLAN



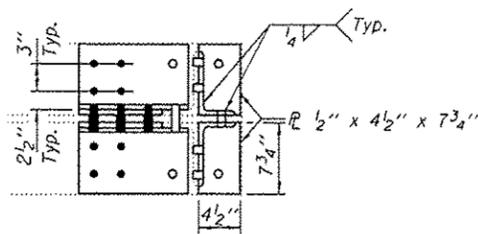
ELEVATION



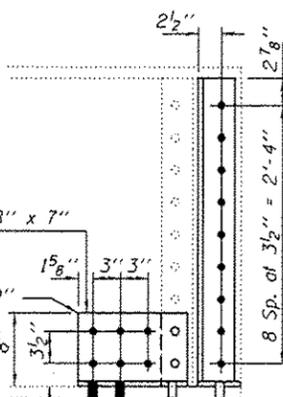
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REPAIR A

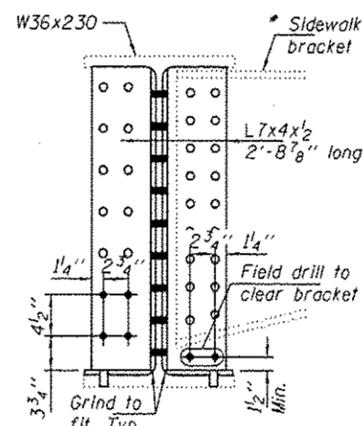
(Items 1, 4, 24, 25 & 27)



PLAN



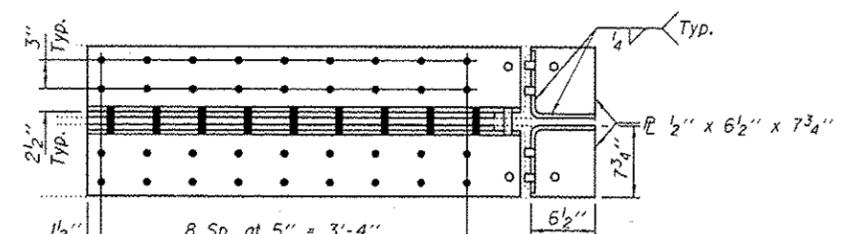
ELEVATION



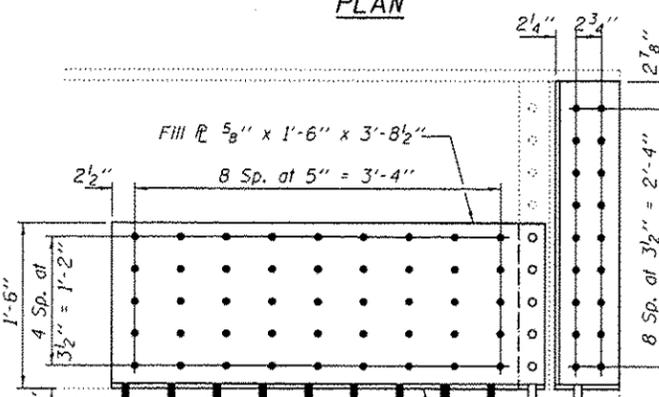
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REPAIR B

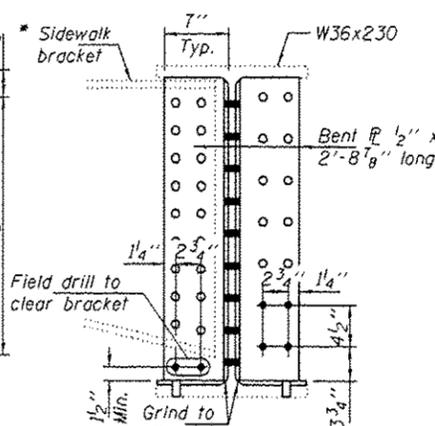
(Items 2, 3, 22, 23 & 26)



PLAN



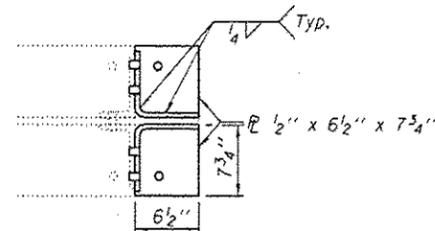
ELEVATION



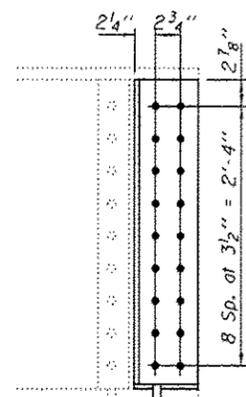
END SECTION

REPAIR C

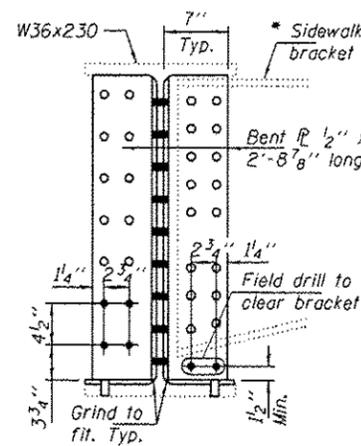
(Item 6)



PLAN



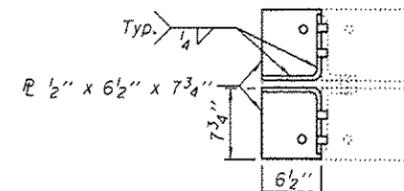
ELEVATION



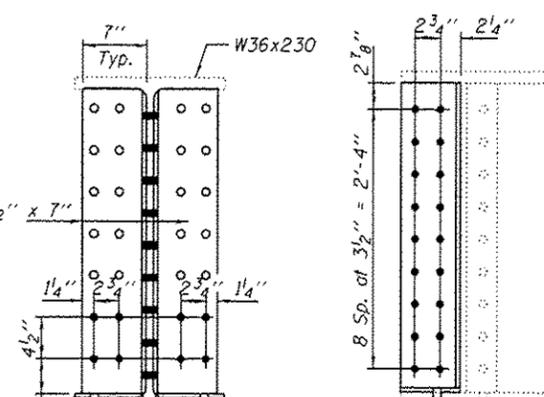
END SECTION

REPAIR D

(Items 7 & 20)



PLAN



ELEVATION

END SECTION

REPAIR E

(Items 19 & 29)

* Bottom flange of sidewalk bracket to be coped to clear angle/bent plate by 1/2".

BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - TLC	EXAMINED - Timothy A. Bicket
CHECKED - ---	ACTING ENGINEER OF STRUCTURAL SERVICES
DRAWN - Kyle M. Steffen/ballva	PASSED - A. Carl Perry
CHECKED - TLC	ACTING ENGINEER OF BRIDGES AND STRUCTURES

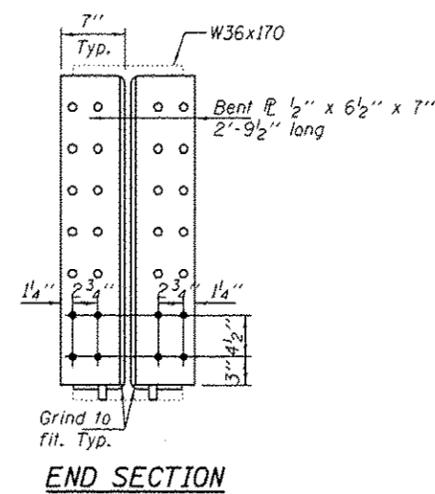
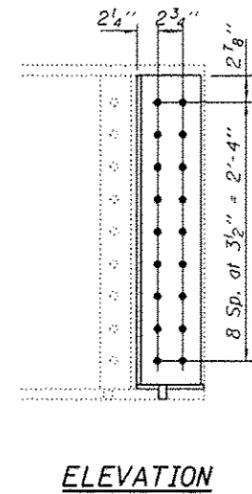
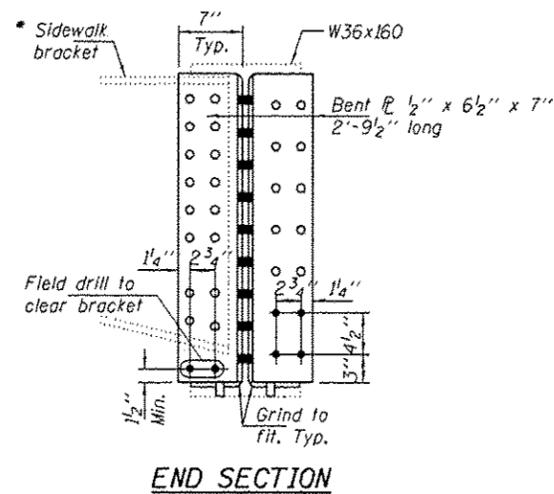
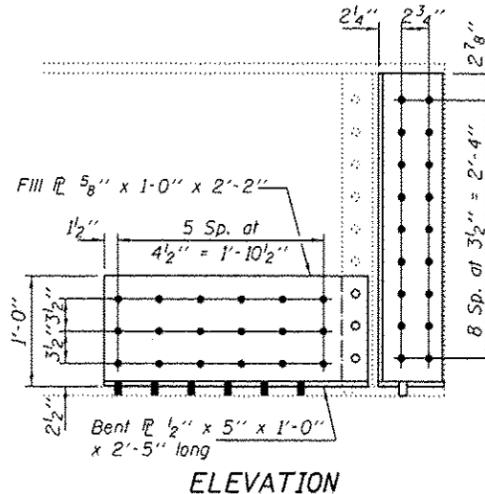
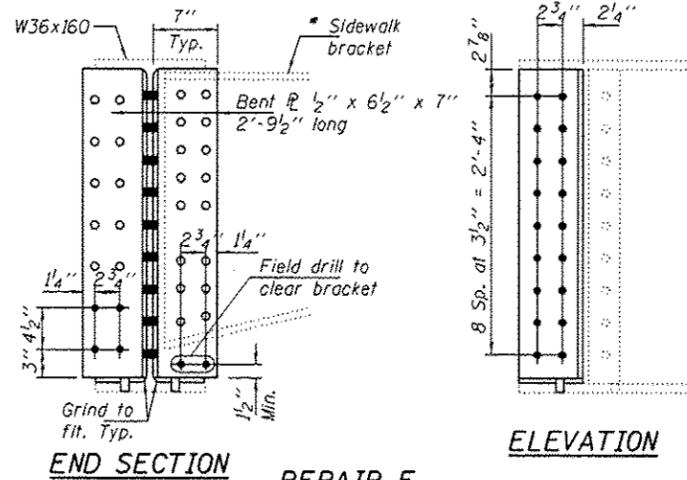
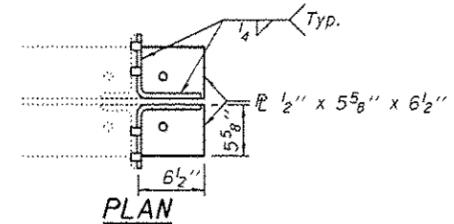
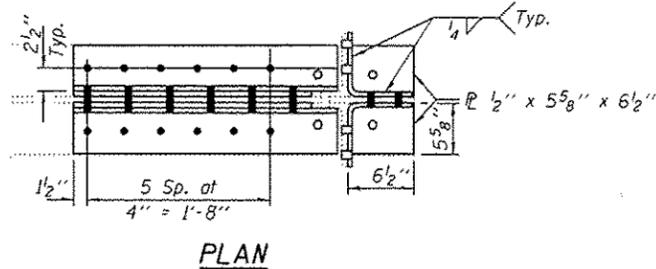
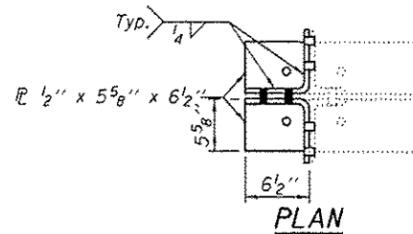
DATE - DECEMBER 4, 2014

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIRS A THRU E DETAILS
SN 016-0994

SHEET NO. 48 OF 13 SHEETS

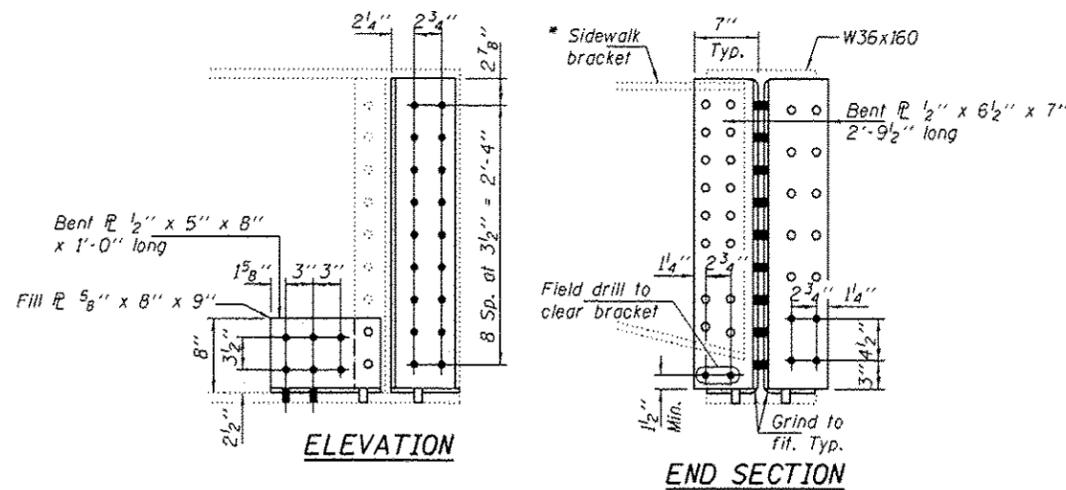
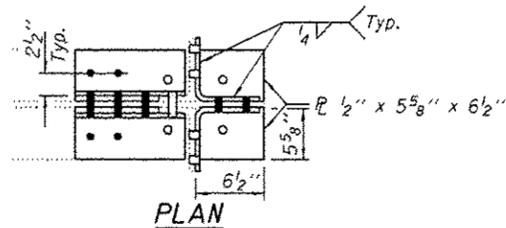
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1598	0303BR-1	COOK	21	7B
CONTRACT NO. 60Y52			ILLINOIS FED. AID PROJECT	



REPAIR F
(Items 5 & 8)

REPAIR G
(Item 17)

REPAIR H
(Items 18 & 28)



REPAIR I
(Item 21)

* Bottom flange of sidewalk bracket to be coped to clear angle/bent plate by 1/2\".

BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

DESIGNED - TLC	EXAMINED - <i>Timothy A. Ball</i>
CHECKED - ---	ACTING ENGINEER OF STRUCTURAL SERVICES
DRAWN - Kyle M. Steffen/ballva	PASSED - <i>Kyle M. Steffen</i>
CHECKED - TLC	ACTING ENGINEER OF BRIDGES AND STRUCTURES

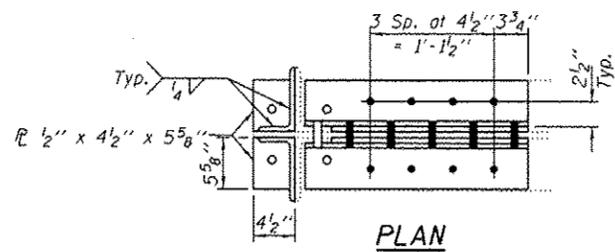
DATE - DECEMBER 4, 2014

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

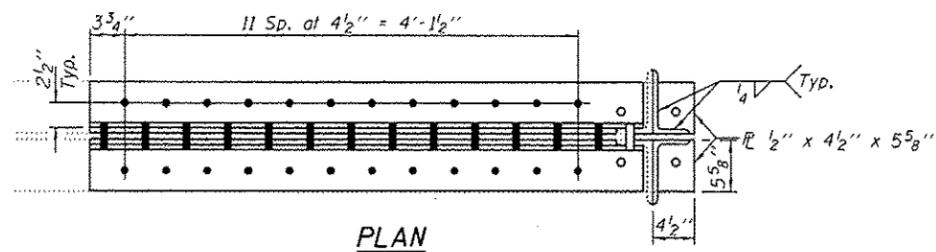
REPAIRS F THRU I DETAILS
SN 016-0994

SHEET NO. 4C OF 13 SHEETS

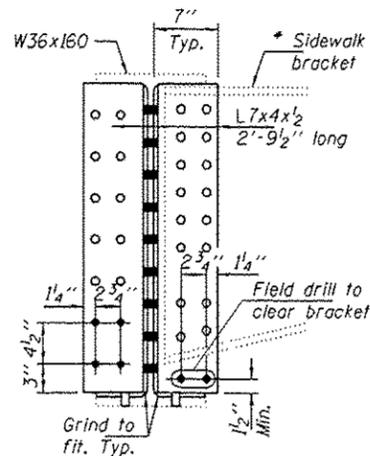
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1598	D303BR-1	COOK	21	7C
CONTRACT NO. 60Y52			ILLINOIS FED. AID PROJECT	



PLAN

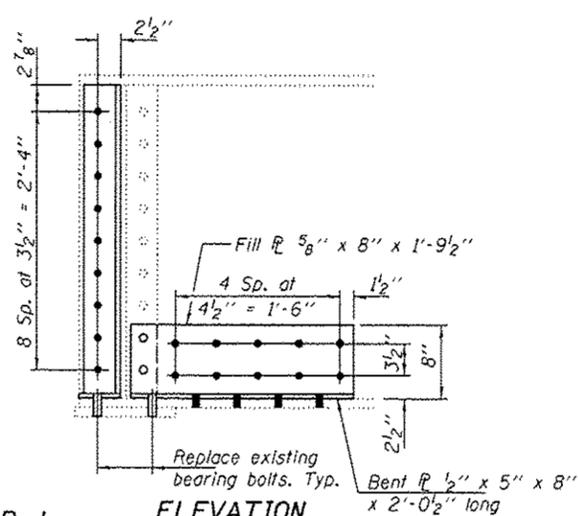


PLAN

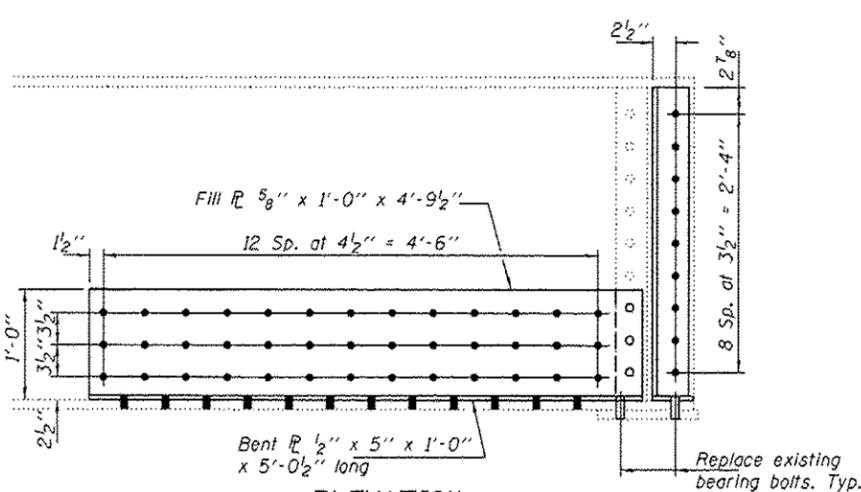


END SECTION

REPAIR J
(Items 9, 15 & 16)

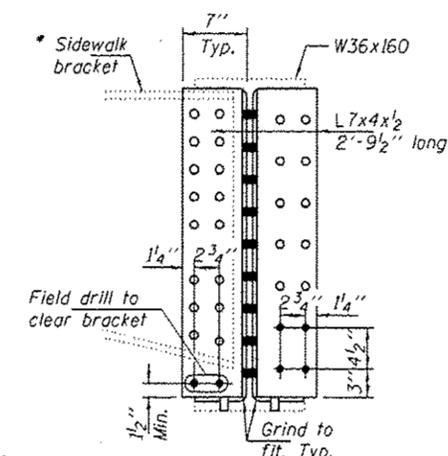


ELEVATION

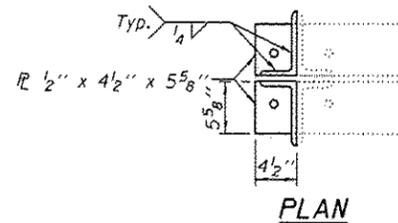


ELEVATION

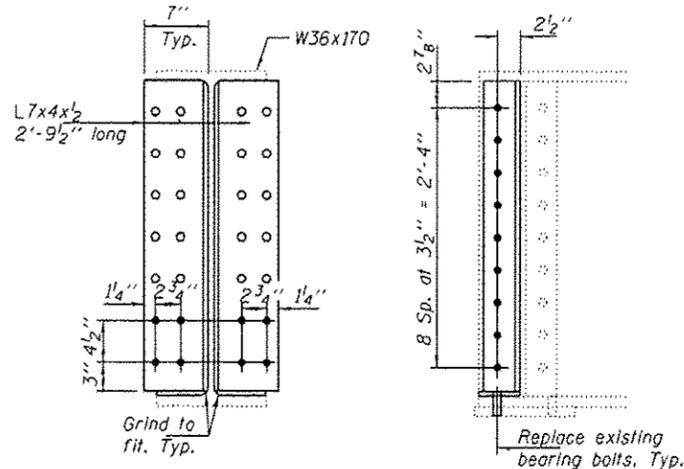
REPAIR K
(Item 10)



END SECTION



PLAN



END SECTION

ELEVATION

REPAIR L
(Items 11, 12, 13 & 14)

* Bottom flange of sidewalk bracket to be coped to clear angle/bent plate by 1/2".

BOLT HOLE LEGEND

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

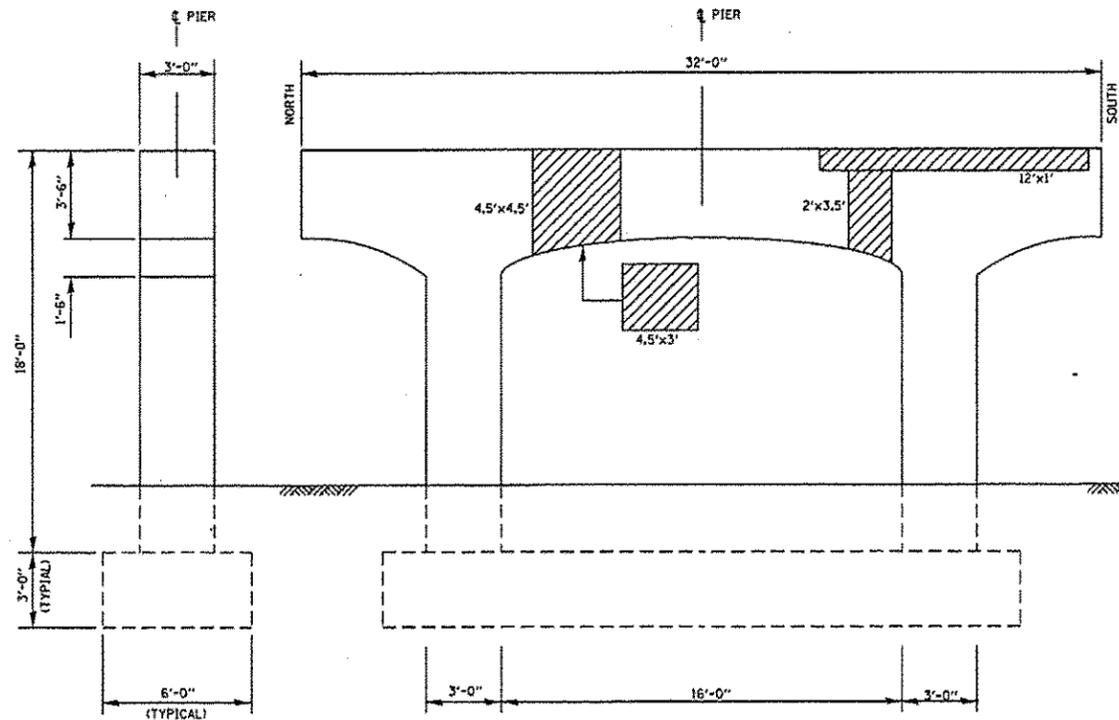
DESIGNED - TLC	EXAMINED - <i>Timothy A. A. [Signature]</i>
CHECKED - ---	ACTING ENGINEER OF STRUCTURAL SERVICES
DRAWN - Kyle M. Steffan/boliva	PASSED - <i>[Signature]</i>
CHECKED - TLC	ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 4, 2014

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIRS J THRU L DETAILS
SN 016-0994

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1598	0303BR-1	CODK	21	7D
CONTRACT NO. 60Y52			ILLINOIS FED. AID PROJECT	



NORTH COLUMN
(LOOKING SOUTH)

WEST ELEVATION
(LOOKING EAST)

EAST ELEVATION
(LOOKING WEST)

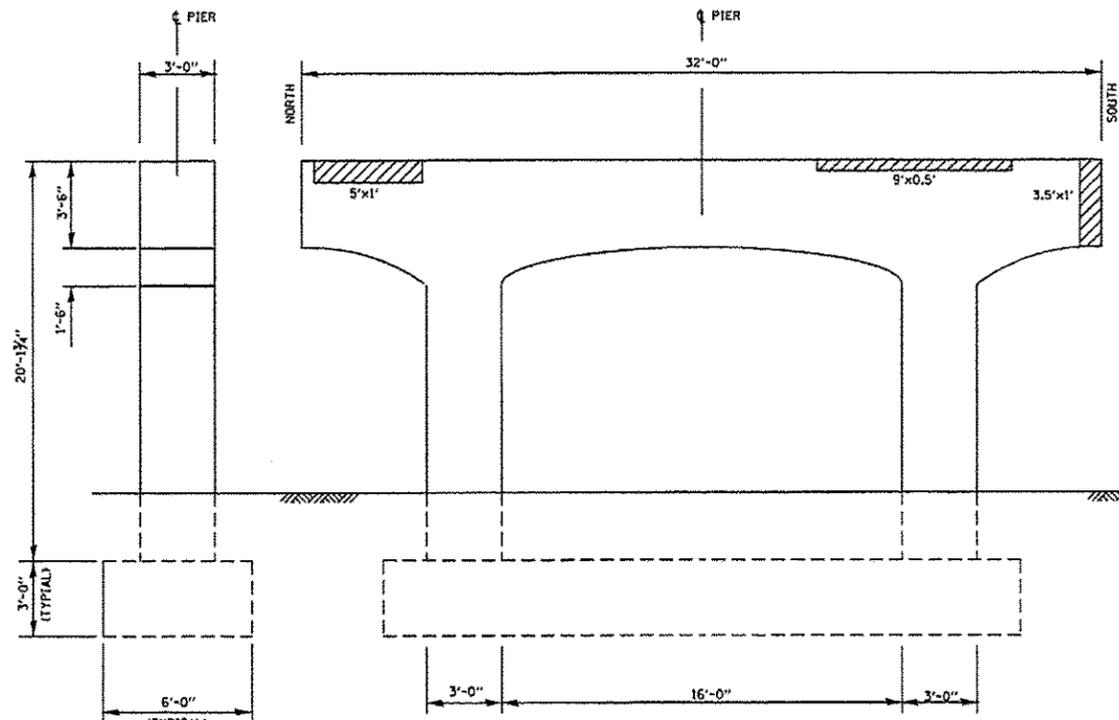
SOUTH COLUMN
(LOOKING NORTH)

LEGEND:

STRUCTURAL REPAIR OF CONCRETE ≤ 5"

PIERS 1 & 2
BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE ≤ 5"	SO.FT.	82



NORTH COLUMN
(LOOKING SOUTH)

WEST ELEVATION
(LOOKING EAST)

EAST ELEVATION
(LOOKING WEST)

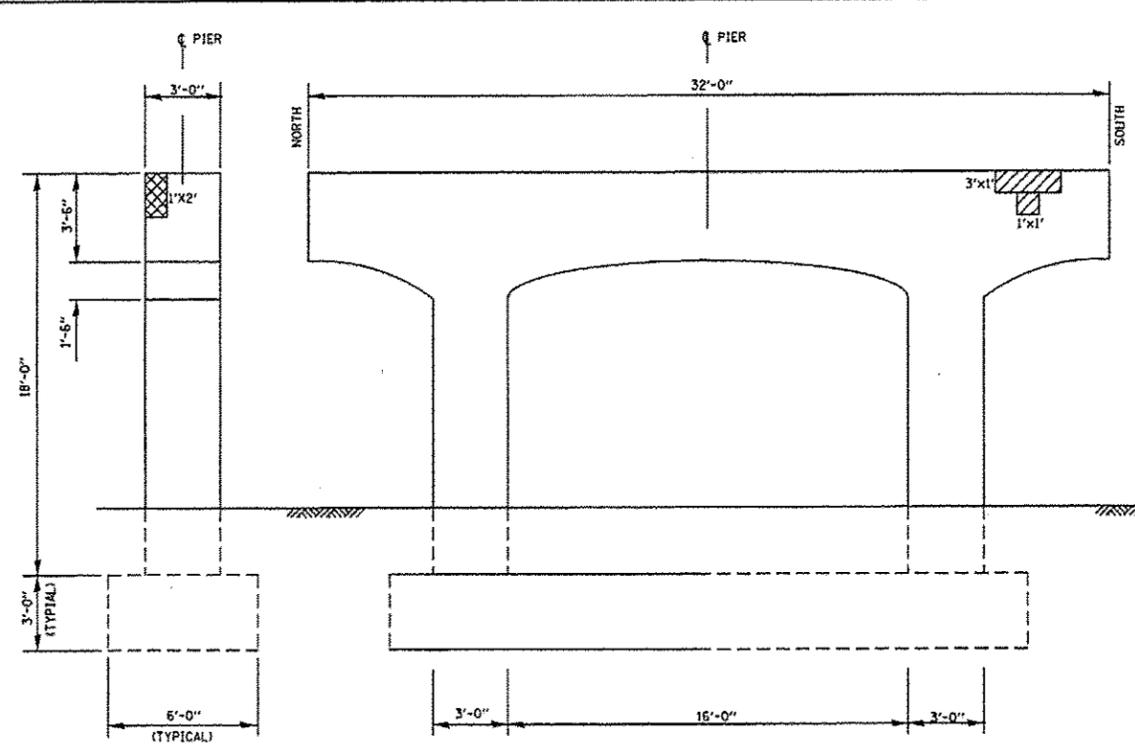
PIER 2 - REPAIRS
(EXISTING BENT 3)

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01\work\work\pzd\pyzzenovskir.b\0101671\016-0994.dgn		DRAWN - MVT	REVISED -
Default	PLOT SCALE = 100.0000 / in.	CHECKED - RTB	REVISED -
	PLOT DATE = 9/11/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

139th STREET OVER G.T.W. & I.H.R. RAILROADS
PIERS 1 AND 2 - REPAIRS
S.N. 016-0994

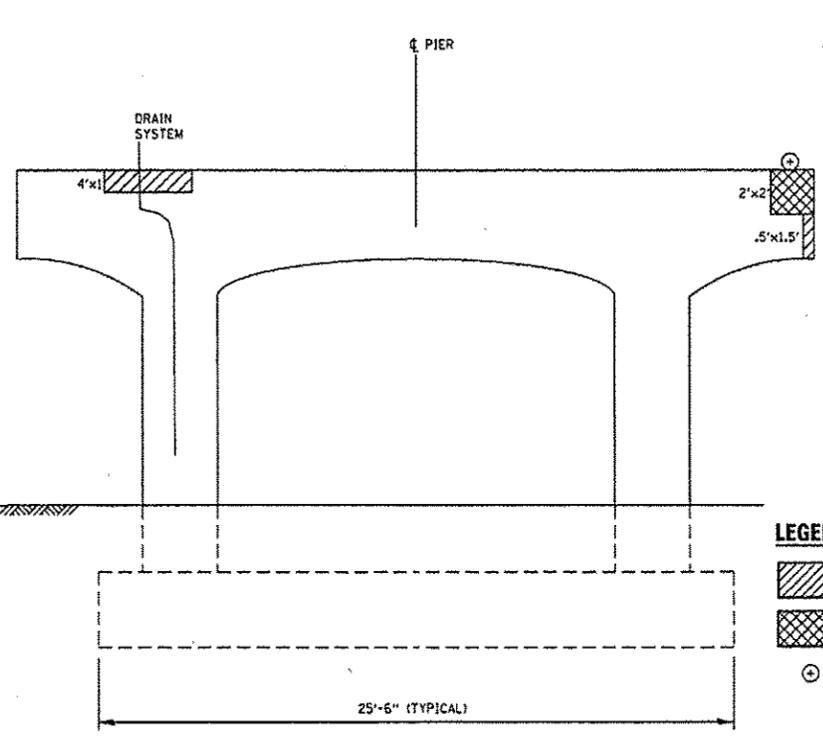
F.A.U. RITE 1598	SECTION 0303BR-1	COUNTY COOK	TOTAL SHEETS 21	SHEET NO. 8
SCALE:	SHEET 5 OF 13 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60Y52	



NORTH COLUMN
(LOOKING SOUTH)

WEST ELEVATION
(LOOKING EAST)

SOUTH COLUMN
(LOOKING NORTH)



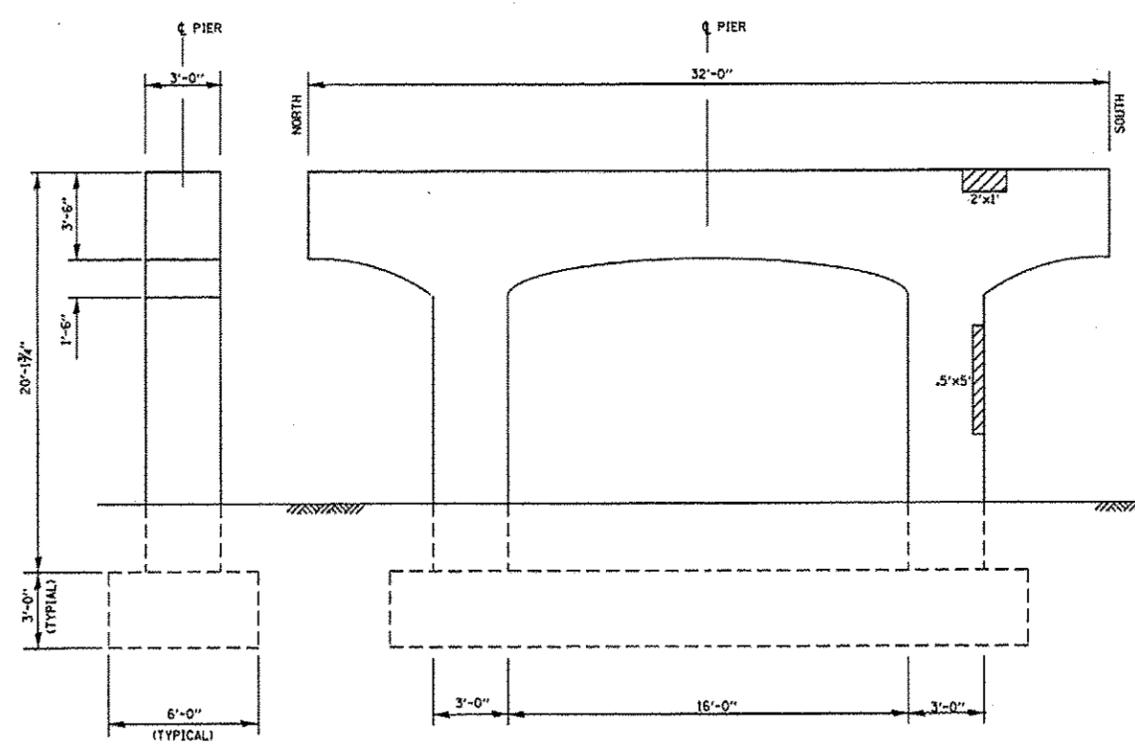
EAST ELEVATION
(LOOKING WEST)

LEGEND:

- STRUCTURAL REPAIR OF CONCRETE \leq 5"
- STRUCTURAL REPAIR OF CONCRETE $>$ 5"
- TEMPORARY SUPPORT

PIERS 3 & 4
BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE \leq 5"	SQ.FT.	35
STRUCTURAL REPAIR OF CONCRETE $>$ 5"	SQ.FT.	6
TEMPORARY SHORING AND CRIBBING	EACH	1

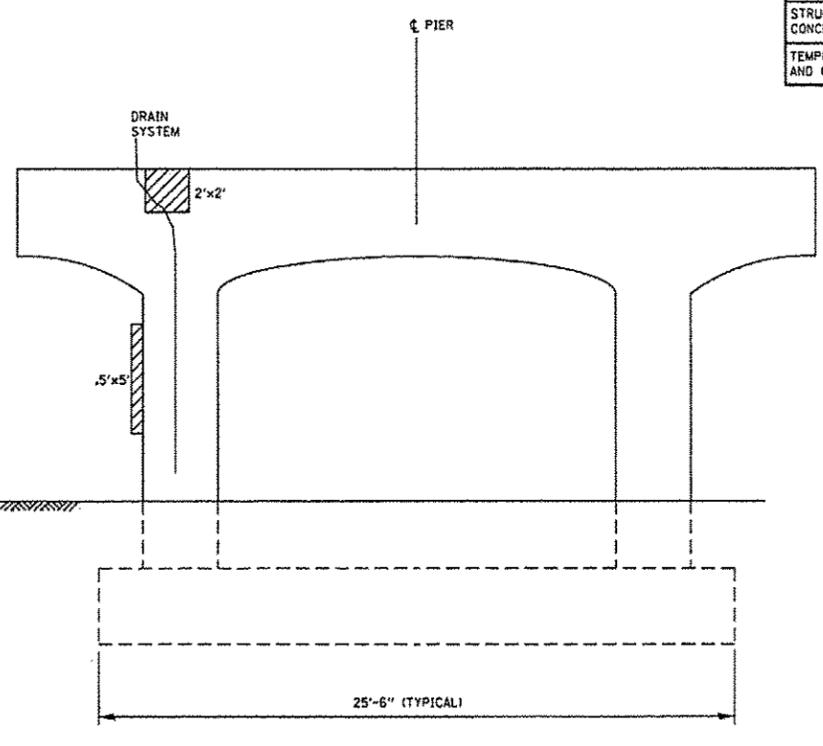


NORTH COLUMN
(LOOKING SOUTH)

WEST ELEVATION
(LOOKING EAST)

SOUTH COLUMN
(LOOKING NORTH)

PIER 3 - REPAIRS
(EXISTING BENT 4)



EAST ELEVATION
(LOOKING WEST)

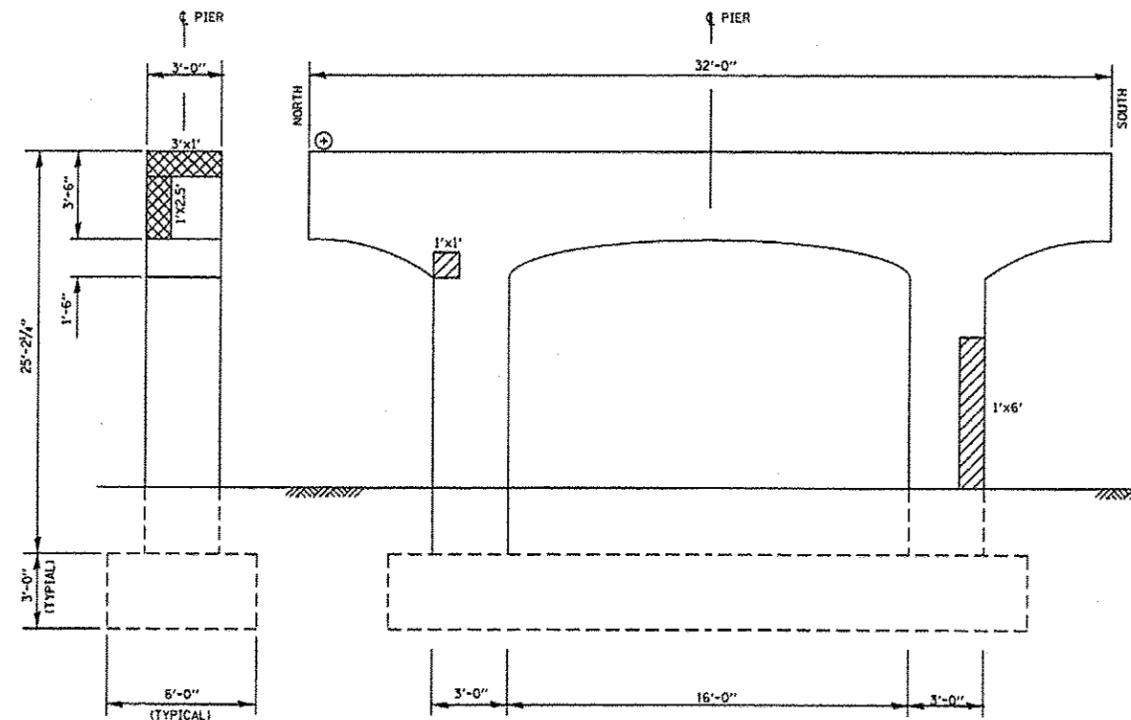
PIER 4 - REPAIRS
(EXISTING BENT 5)

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Default	PLOT SCALE * 100.0000' / 1"	CHECKED - RTB	REVISED -
	PLOT DATE * 9/11/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

139th STREET OVER G.T.W. & I.H.R. RAILROADS
PIERS 3 AND 4 - REPAIRS
S.N. 016-0994

F.A.U. RTE. 1598	SECTION 0303BR-1	COUNTY COOK	TOTAL SHEETS 21	SHEET NO. 9
SCALE: SHEET 6 OF 13 SHEETS STA. TO STA.			CONTRACT NO. 60Y52	
ILLINOIS FED. AID PROJECT				

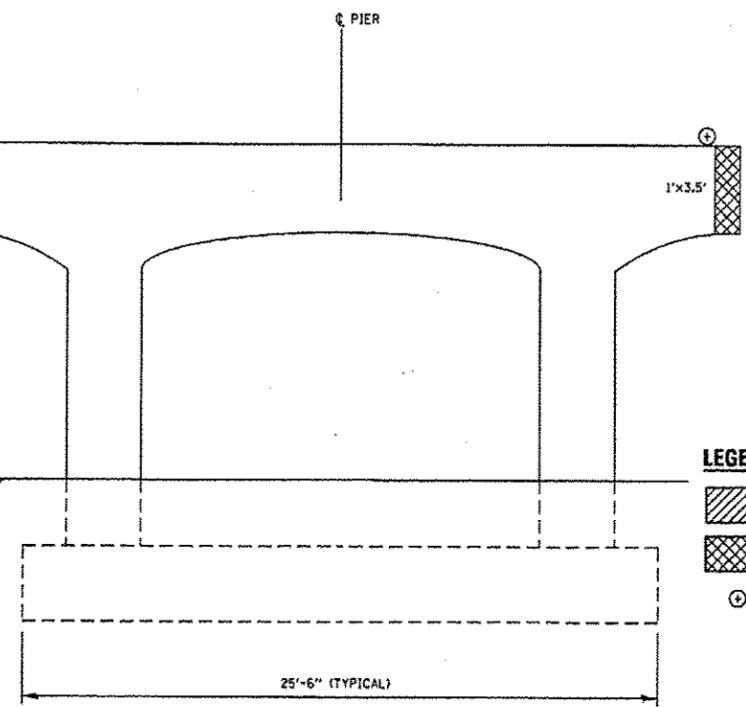


NORTH COLUMN
(LOOKING SOUTH)

WEST ELEVATION
(LOOKING EAST)

SOUTH COLUMN
(LOOKING NORTH)

PIER 5 - REPAIRS
(EXISTING BENT 6)



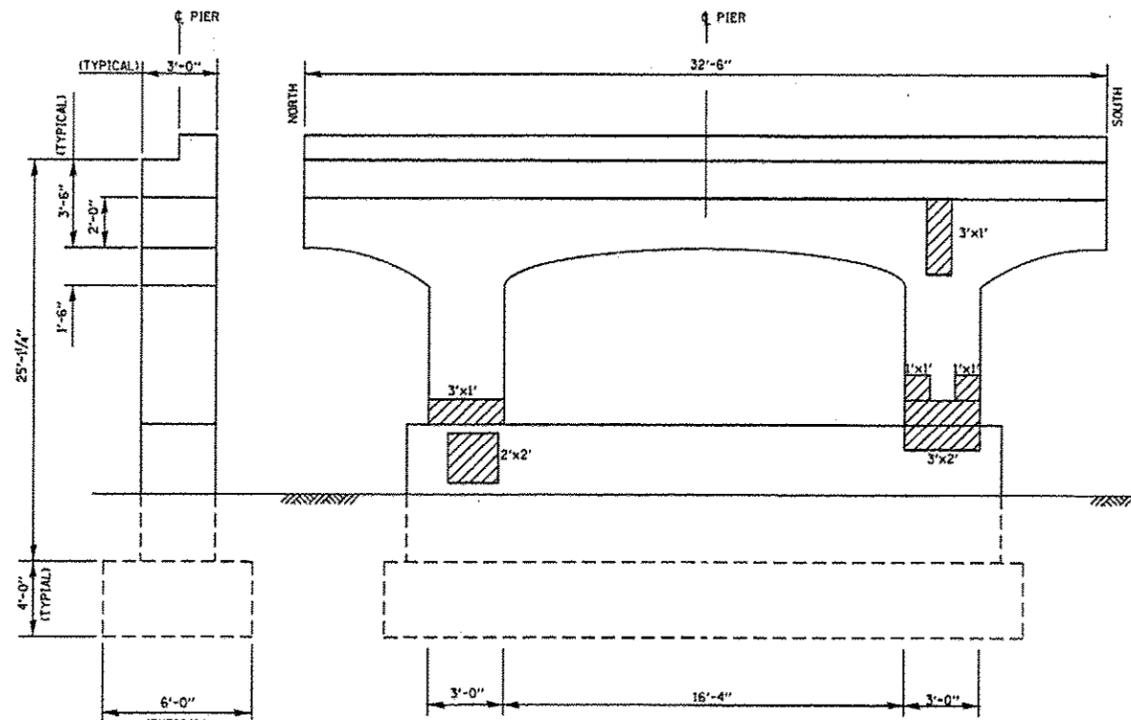
EAST ELEVATION
(LOOKING WEST)

LEGEND:

- STRUCTURAL REPAIR OF CONCRETE ≤ 5"
- STRUCTURAL REPAIR OF CONCRETE > 5"
- TEMPORARY SUPPORT

PIERS 5 & 6
BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE ≤ 5"	SO.FT.	41
STRUCTURAL REPAIR OF CONCRETE > 5"	SO.FT.	9
TEMPORARY SHORING AND CRIBBING	EACH	2

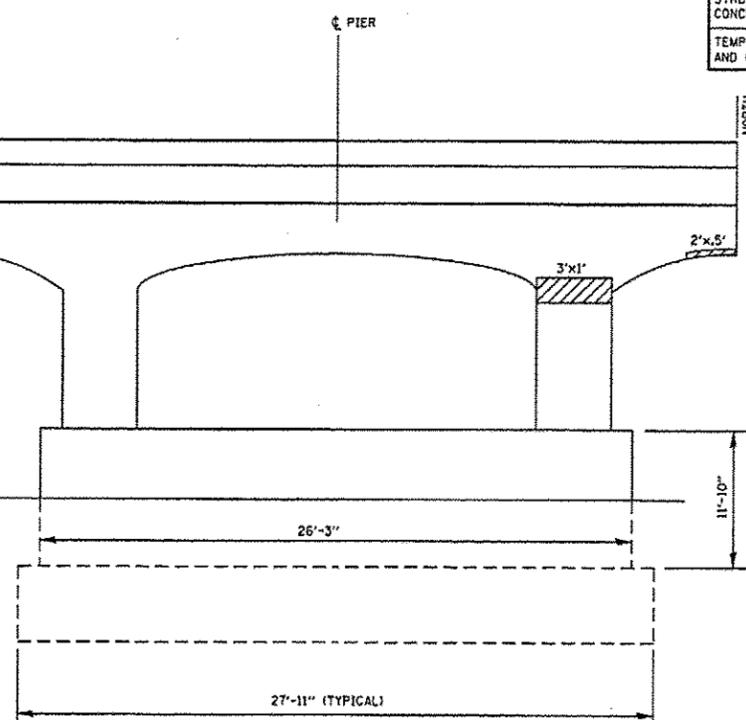


NORTH COLUMN
(LOOKING SOUTH)

WEST ELEVATION
(LOOKING EAST)

SOUTH COLUMN
(LOOKING NORTH)

PIER 6 - REPAIRS
(EXISTING BENT 7)



EAST ELEVATION
(LOOKING WEST)

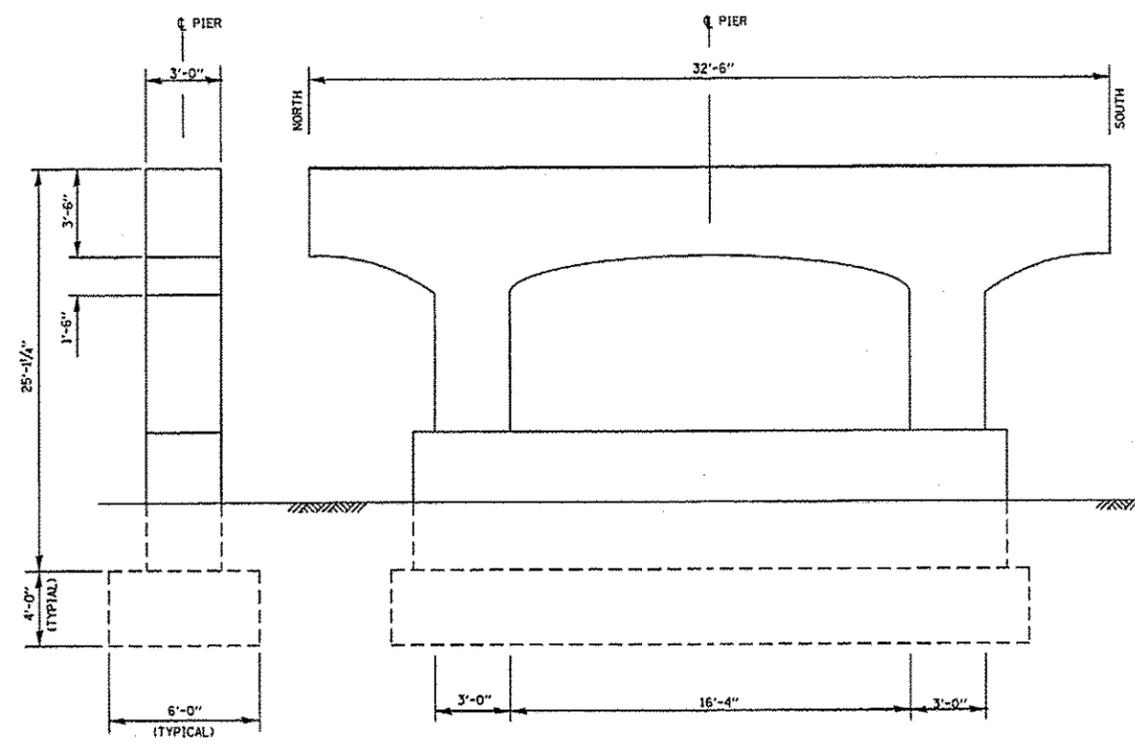
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	PLOT DATE * 9/11/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

139th STREET OVER G.T.W. & I.H.R. RAILROADS
PIERS 5 AND 6 - REPAIRS
S.N. 016-0994

SCALE: SHEET 7 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1598	0303BR-1	COOK	21	10
			CONTRACT NO. 60Y52	
ILLINOIS FED. AID PROJECT				

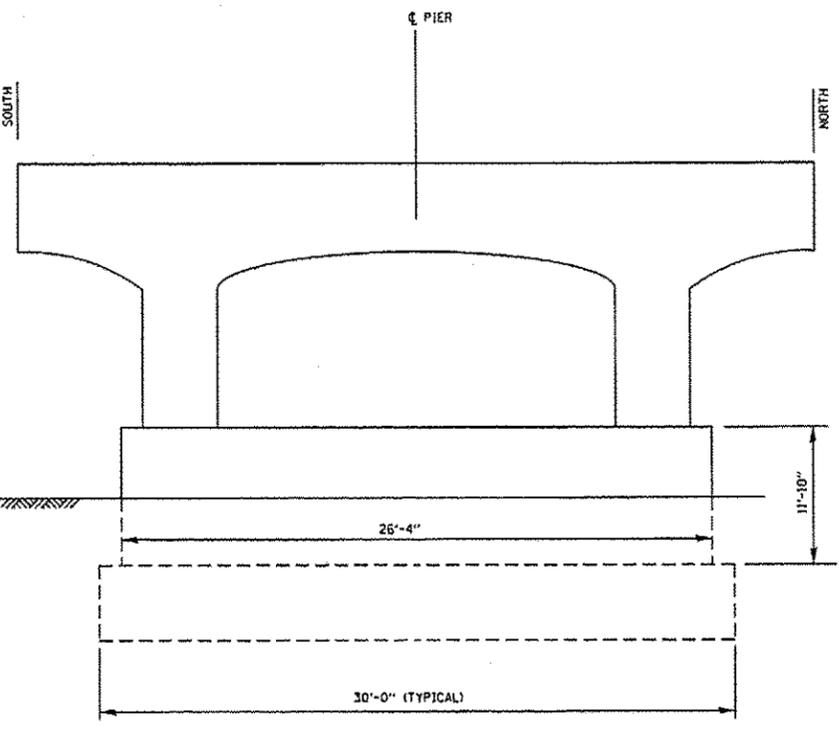


NORTH COLUMN
(LOOKING SOUTH)

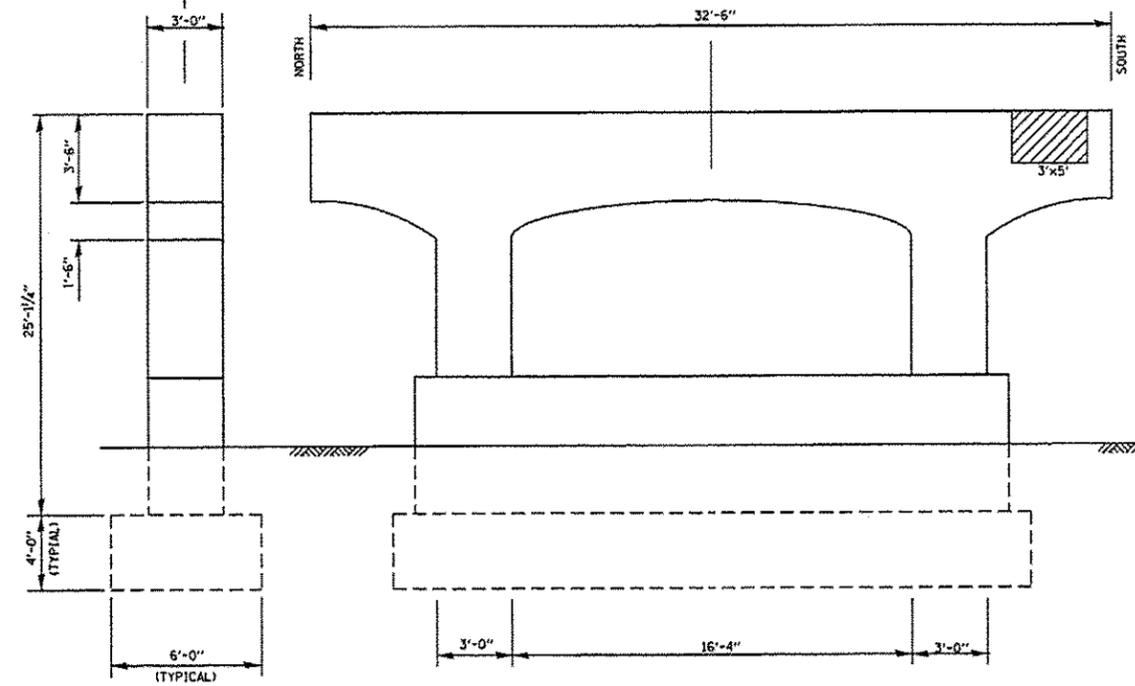
WEST ELEVATION
(LOOKING EAST)

SOUTH COLUMN
(LOOKING NORTH)

PIER 7 - REPAIRS
(EXISTING BENT 8)



EAST ELEVATION
(LOOKING WEST)

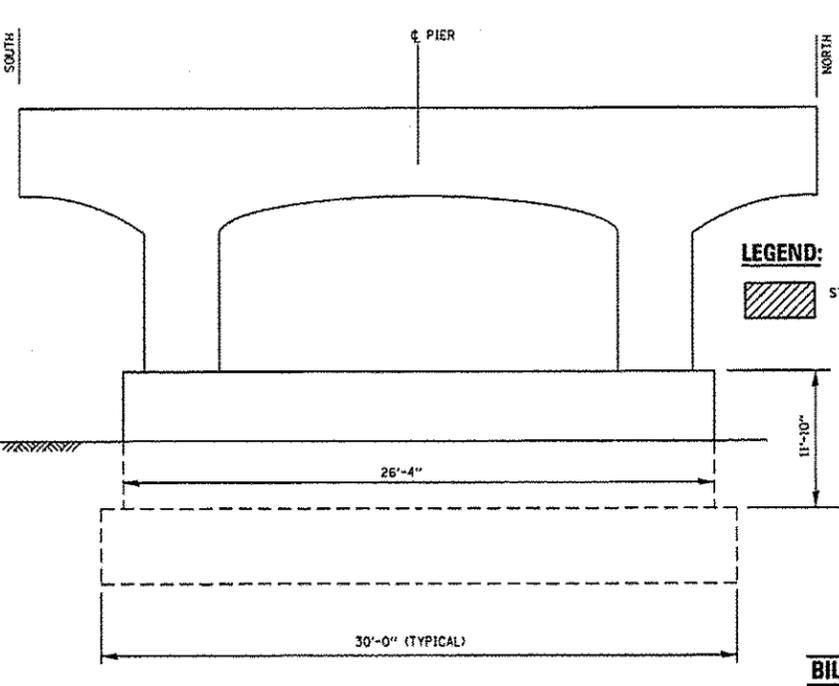


NORTH COLUMN
(LOOKING SOUTH)

WEST ELEVATION
(LOOKING EAST)

SOUTH COLUMN
(LOOKING NORTH)

PIER 8 - REPAIRS
(EXISTING BENT 9)



EAST ELEVATION
(LOOKING WEST)

LEGEND:
 STRUCTURAL REPAIR OF CONCRETE ≤ 5"

PIER 8
BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE ≤ 5"	SQ.FT.	12

FILE NAME *	USER NAME = pyzanevskirb	DESIGNED - MVT	REVISED -
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Default	PLOT SCALE = 1/8" = 1'-0"	CHECKED - RTB	REVISED -
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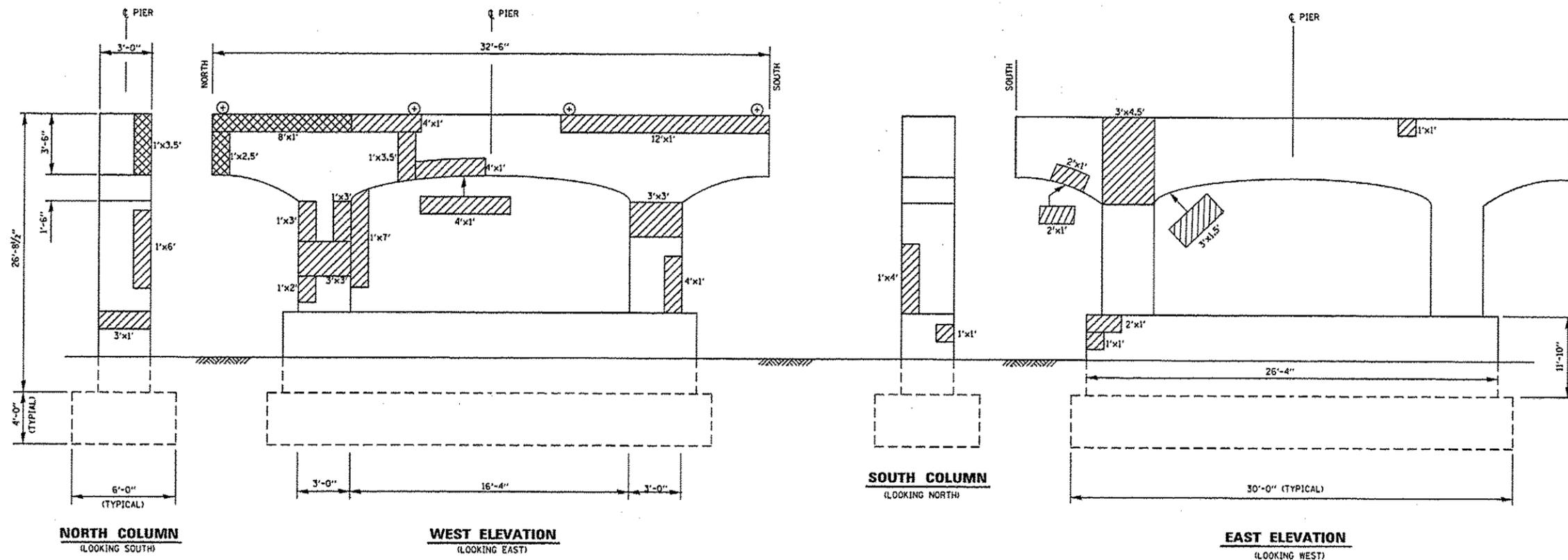
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

139th STREET OVER G.T.W. & I.H.R. RAILROADS
PIERS 7 and 8 - REPAIRS
S.N. 016-0994

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
1598	0303BR-1	COOK	21/11
SCALE:			CONTRACT NO. 60Y52

SHEET 8 OF 13 SHEETS STA. TO STA.

ILLINOIS FEED AID PROJECT



PIER 9 - REPAIRS
(EXISTING BENT 10)

LEGEND:

- STRUCTURAL REPAIR OF CONCRETE ≤ 5"
- STRUCTURAL REPAIR OF CONCRETE > 5"
- TEMPORARY SUPPORT

PIER 9 BILL OF MATERIALS

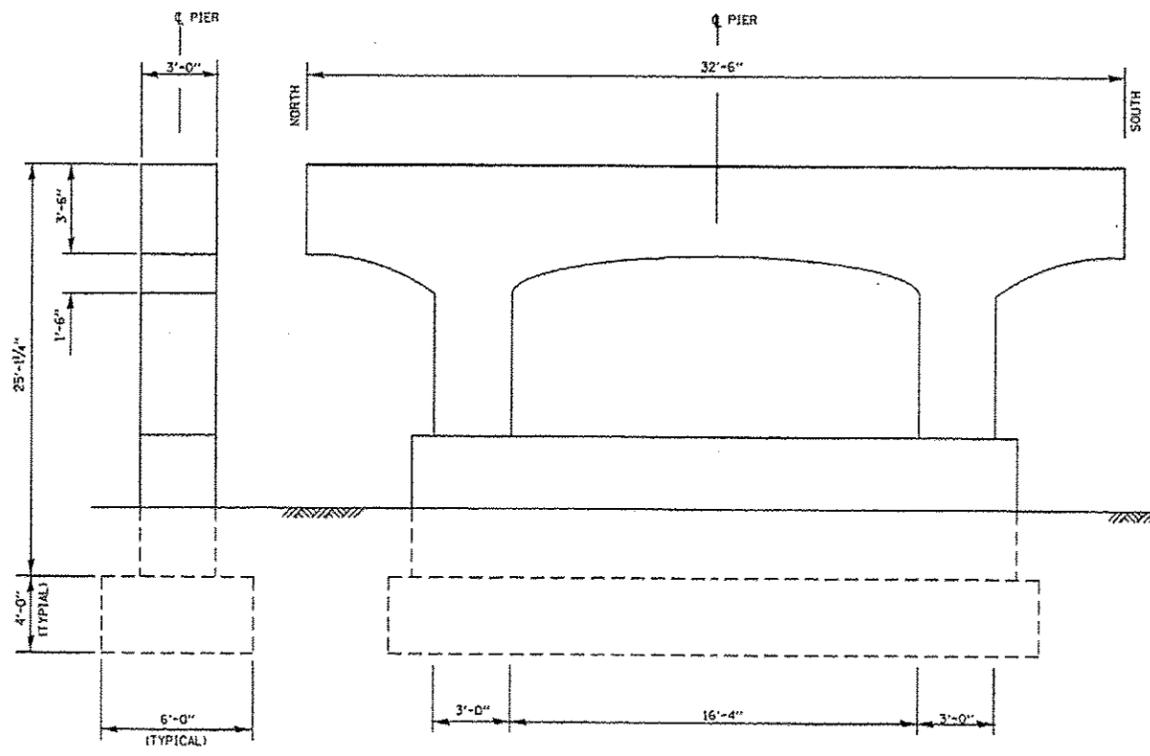
ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE ≤ 5"	SQ.FT.	105
STRUCTURAL REPAIR OF CONCRETE > 5"	SQ.FT.	14
TEMPORARY SHORING AND CRIBBING	EACH	4

FILE NAME =	USER NAME = pyzaronewkurb	DESIGNED - MVT	REVISED -
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	PLOT DATE = 9/11/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

139th STREET OVER G.T.W. & I.H.R. RAILROADS
PIERS 9 - REPAIRS
S.N. 016-0994

SCALE:	SHEET 9 OF 13 SHEETS	STA. TO STA.	F.A.U. RTE. 159B	SECTION 0303BR-1	COUNTY COOK	TOTAL SHEETS 21	SHEET NO. 12
						CONTRACT NO. 60Y52	
(ILLINOIS) FED. AID PROJECT							

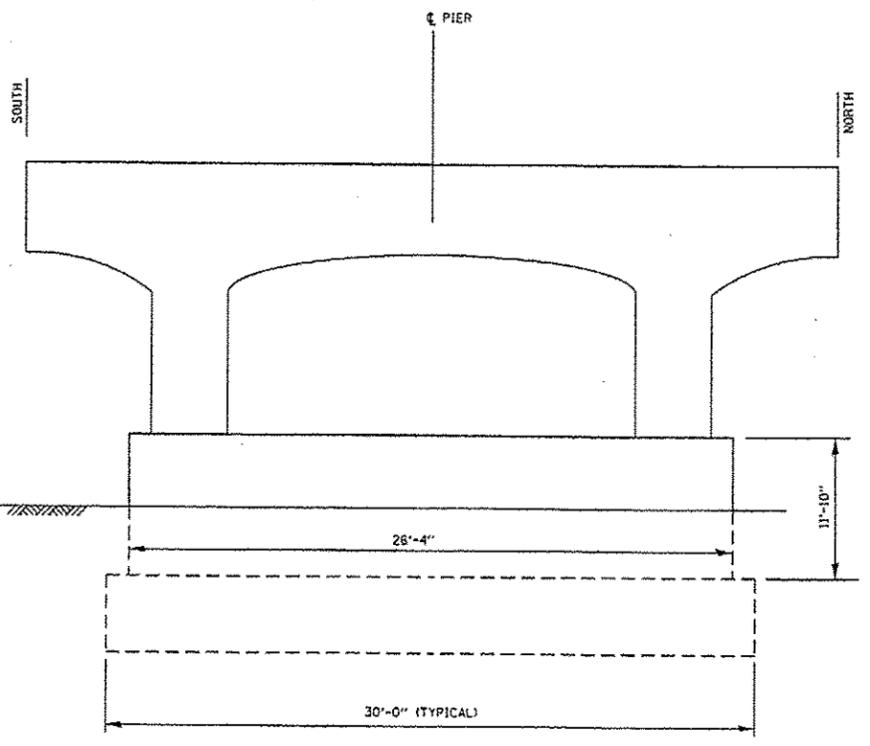


NORTH COLUMN
(LOOKING SOUTH)

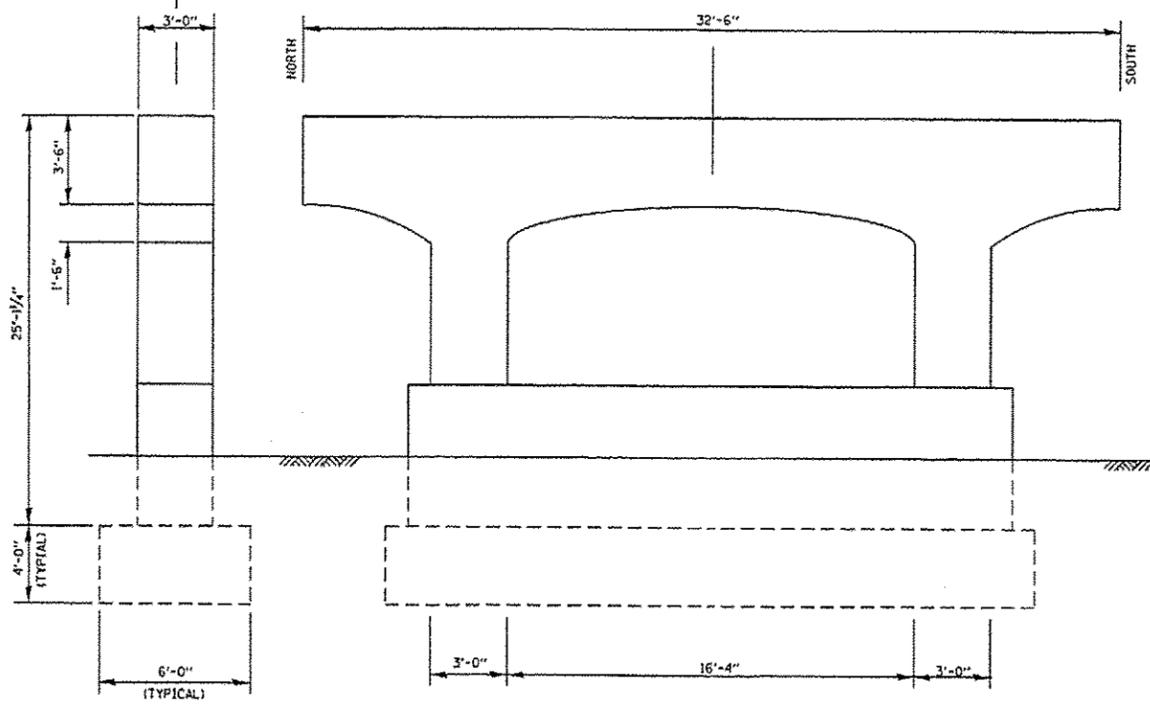
WEST ELEVATION
(LOOKING EAST)

SOUTH COLUMN
(LOOKING NORTH)

PIER 10 - REPAIRS
(EXISTING BENT 11)



EAST ELEVATION
(LOOKING WEST)

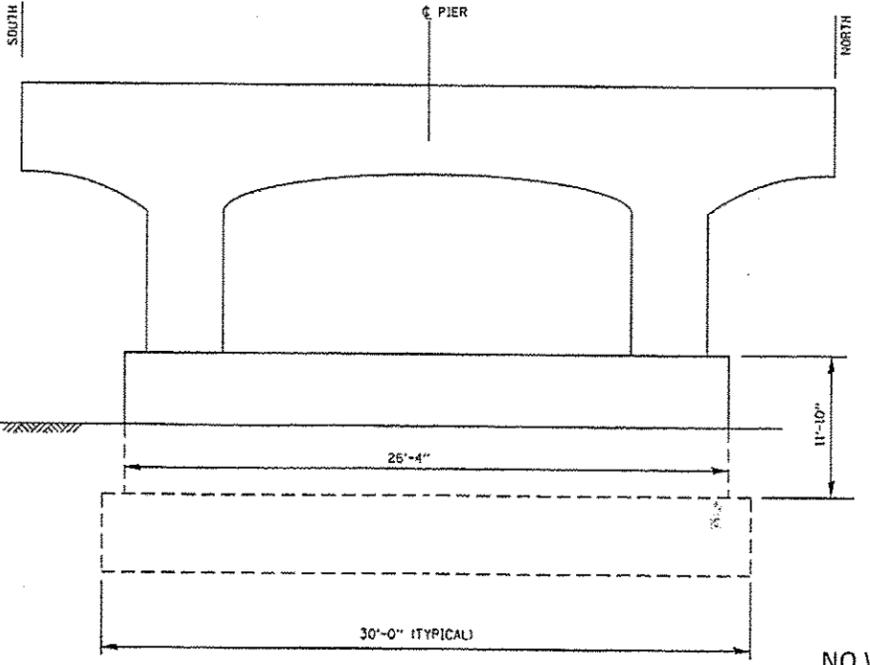


NORTH COLUMN
(LOOKING SOUTH)

WEST ELEVATION
(LOOKING EAST)

SOUTH COLUMN
(LOOKING NORTH)

PIER 11 - REPAIRS
(EXISTING BENT 12)



EAST ELEVATION
(LOOKING WEST)

NO WORK PLANNED
FOR PIERS 10 AND 11.

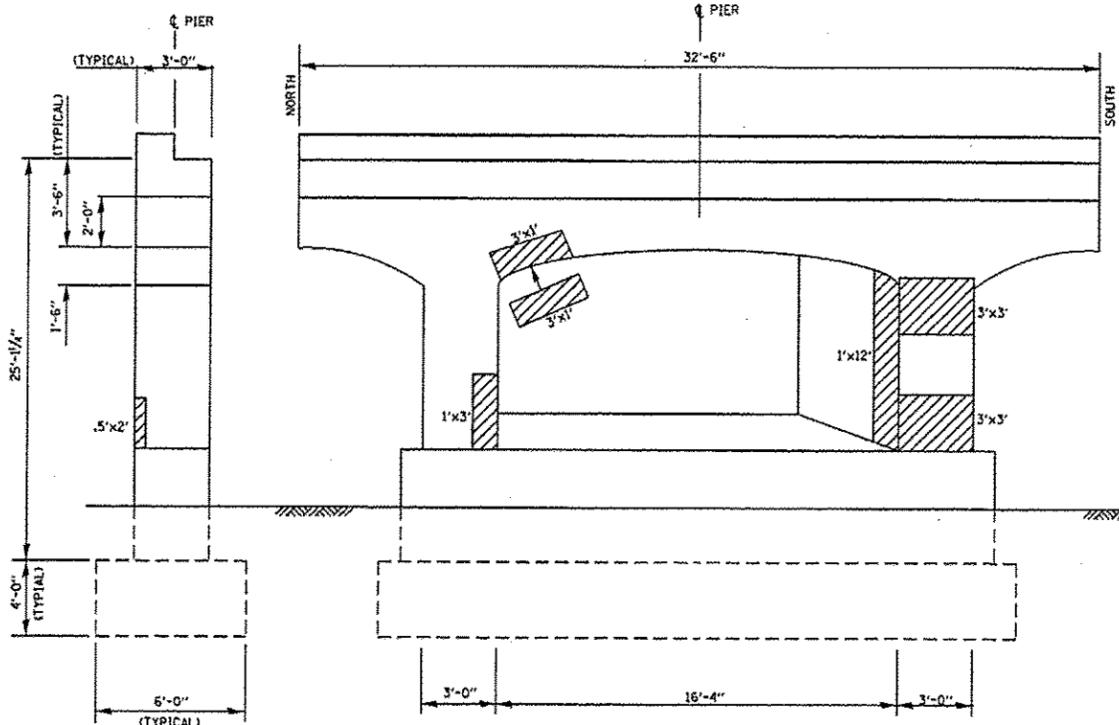
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

139th STREET OVER G.T.W. & I.H.R. RAILROADS
PIERS 10 and 11 - REPAIRS
S.N. 016-0994

F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1598	0303BR-1	COOK	21	23
				CONTRACT NO. 60Y52
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 10 OF 13 SHEETS STA. TO STA.

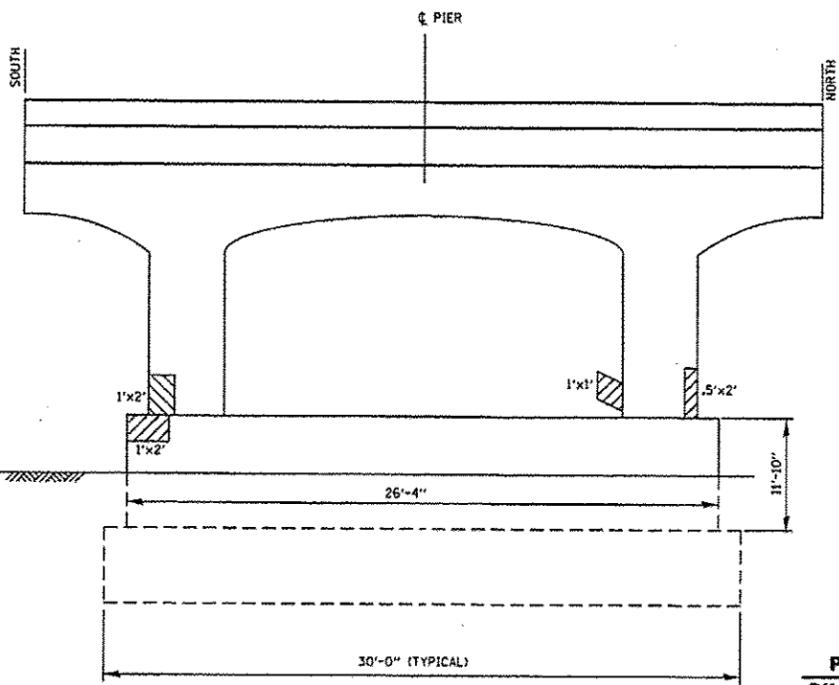


NORTH COLUMN
(LOOKING SOUTH)

WEST ELEVATION
(LOOKING EAST)

SOUTH COLUMN
(LOOKING NORTH)

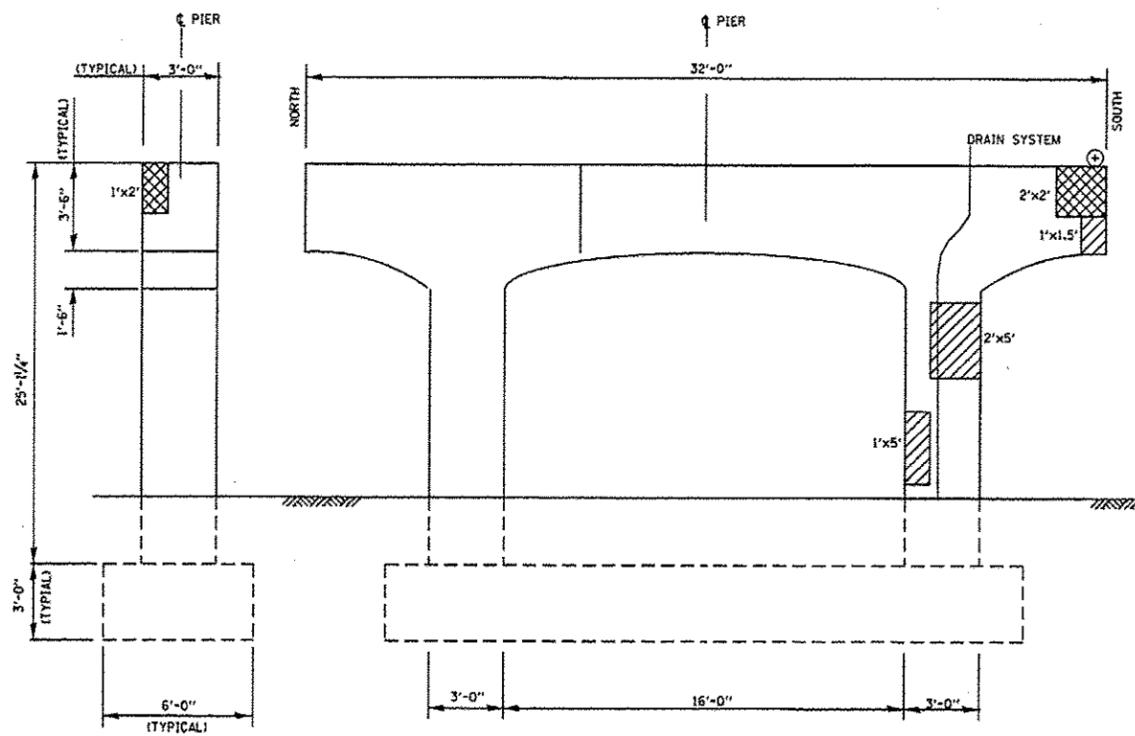
PIER 12 - REPAIRS
(EXISTING BENT 13)



EAST ELEVATION
(LOOKING WEST)

PIERS 12 & 13
BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE ≤ 5"	SQ.FT.	99
STRUCTURAL REPAIR OF CONCRETE > 5"	SQ.FT.	6
TEMPORARY SHORING AND CRIBBING	EACH	1

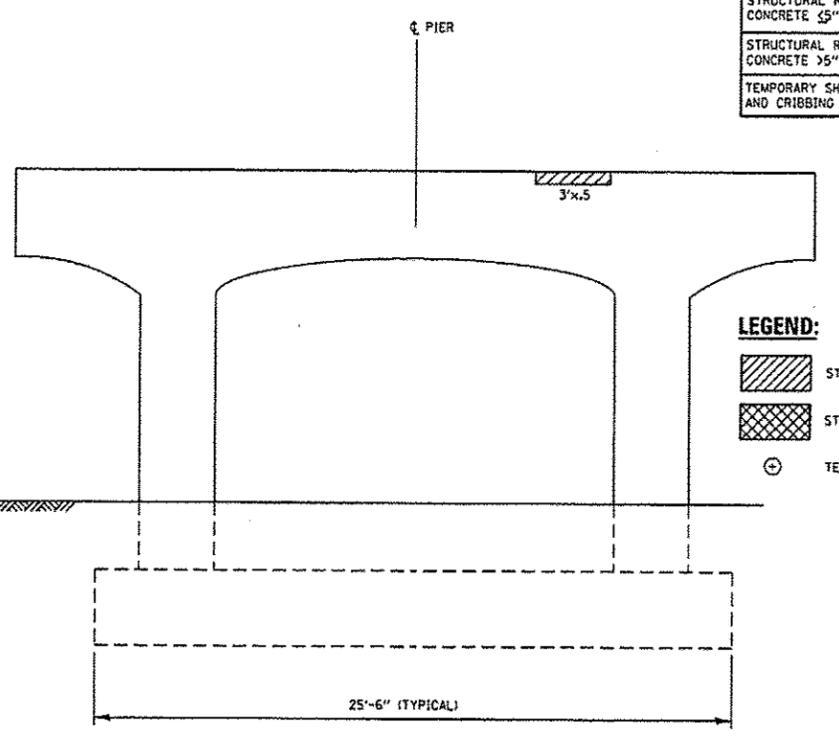


NORTH COLUMN
(LOOKING SOUTH)

WEST ELEVATION
(LOOKING EAST)

SOUTH COLUMN
(LOOKING NORTH)

PIER 13 - REPAIRS
(EXISTING BENT 14)



EAST ELEVATION
(LOOKING WEST)

LEGEND:

	STRUCTURAL REPAIR OF CONCRETE ≤ 5"
	STRUCTURAL REPAIR OF CONCRETE > 5"
	TEMPORARY SUPPORT

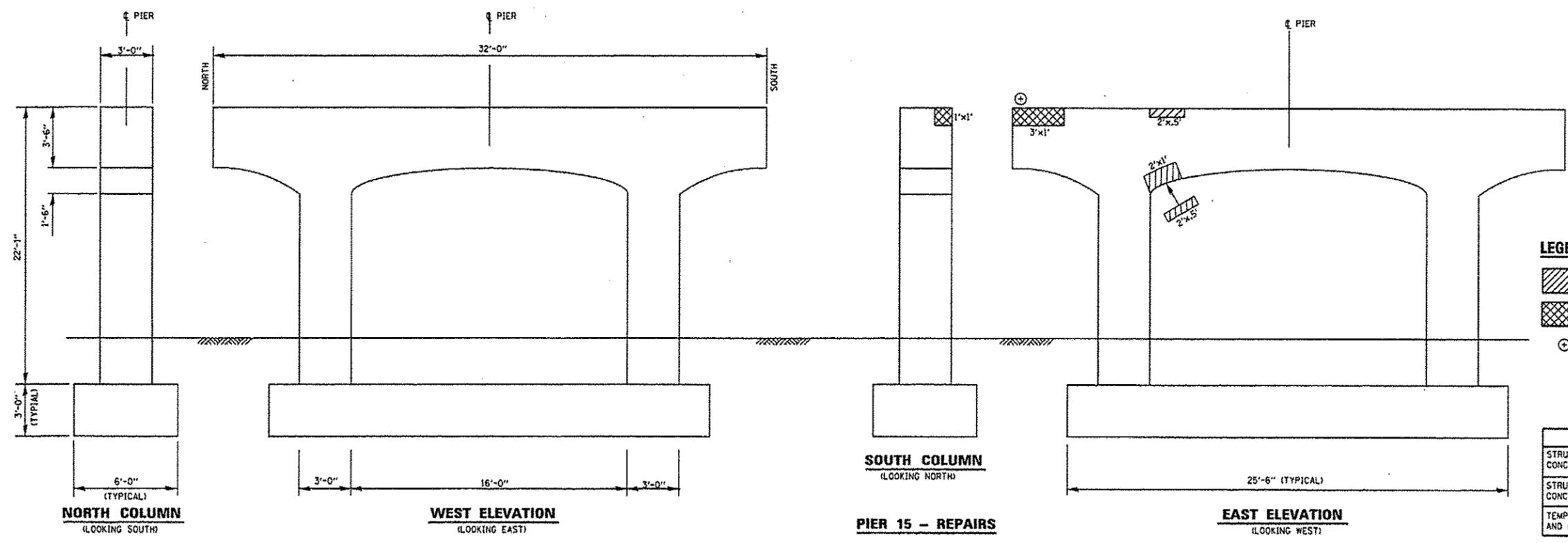
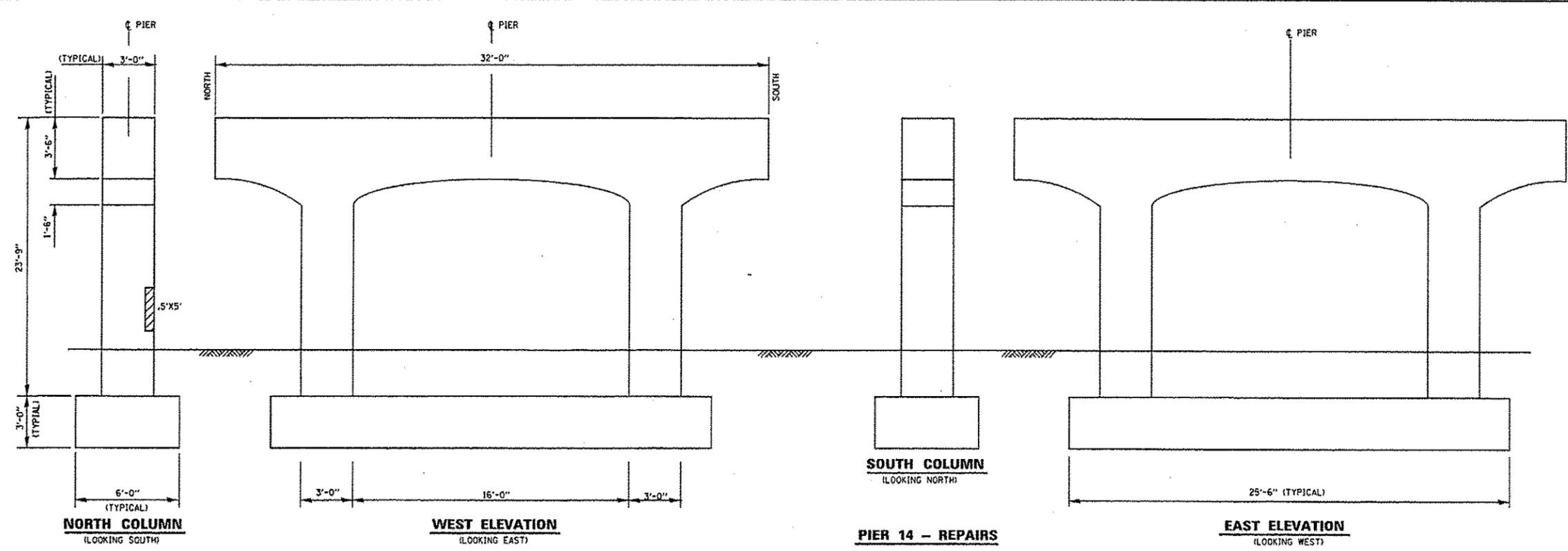
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Default	PLOT SCALE * 100.0000' / in.	CHECKED - RTB	REVISED -
	PLOT DATE * 9/11/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

139th STREET OVER G.T.W. & I.H.R. RAILROADS
PIERS 12 and 13 - REPAIRS
S.N. 016-0994

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
159B	0303BR-1	COOK	21	14
CONTRACT NO. 60Y52			ILLINOIS FED. AID PROJECT	

SCALE: SHEET 11 OF 13 SHEETS STA. TO STA.



- LEGEND:**
- STRUCTURAL REPAIR OF CONCRETE ≤ 5"
 - STRUCTURAL REPAIR OF CONCRETE > 5"
 - TEMPORARY SHORING

**PIERS 14 & 15
BILL OF MATERIALS**

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE ≤ 5"	SQ.FT.	7
STRUCTURAL REPAIR OF CONCRETE > 5"	SQ.FT.	4
TEMPORARY SHORING AND CRIBBING	EACH	1

FILE NAME *	USER NAME * pgrzanowski	DESIGNED - MYT	REVISED -
c:\pwork\p14\p14\pgrzanowski\14\1416171	016-0994.dgn	DRAWN - MYT	REVISED -
Default	PLOT SCALE * 1/8"=1'-0" / 1/8"	CHECKED - RTB	REVISED -
	PLOT DATE * 9/11/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

139th STREET OVER G.T.W. & I.H.R. RAILROADS
PIERS 14 AND 15 - REPAIRS
S.N. 016-0994

SCALE: SHEET 12 OF 13 SHEETS STA. TO STA.

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1598	0303BR-1	COOK	21	15
CONTRACT NO. 60Y52			ILLINOIS FED. AID PROJECT	

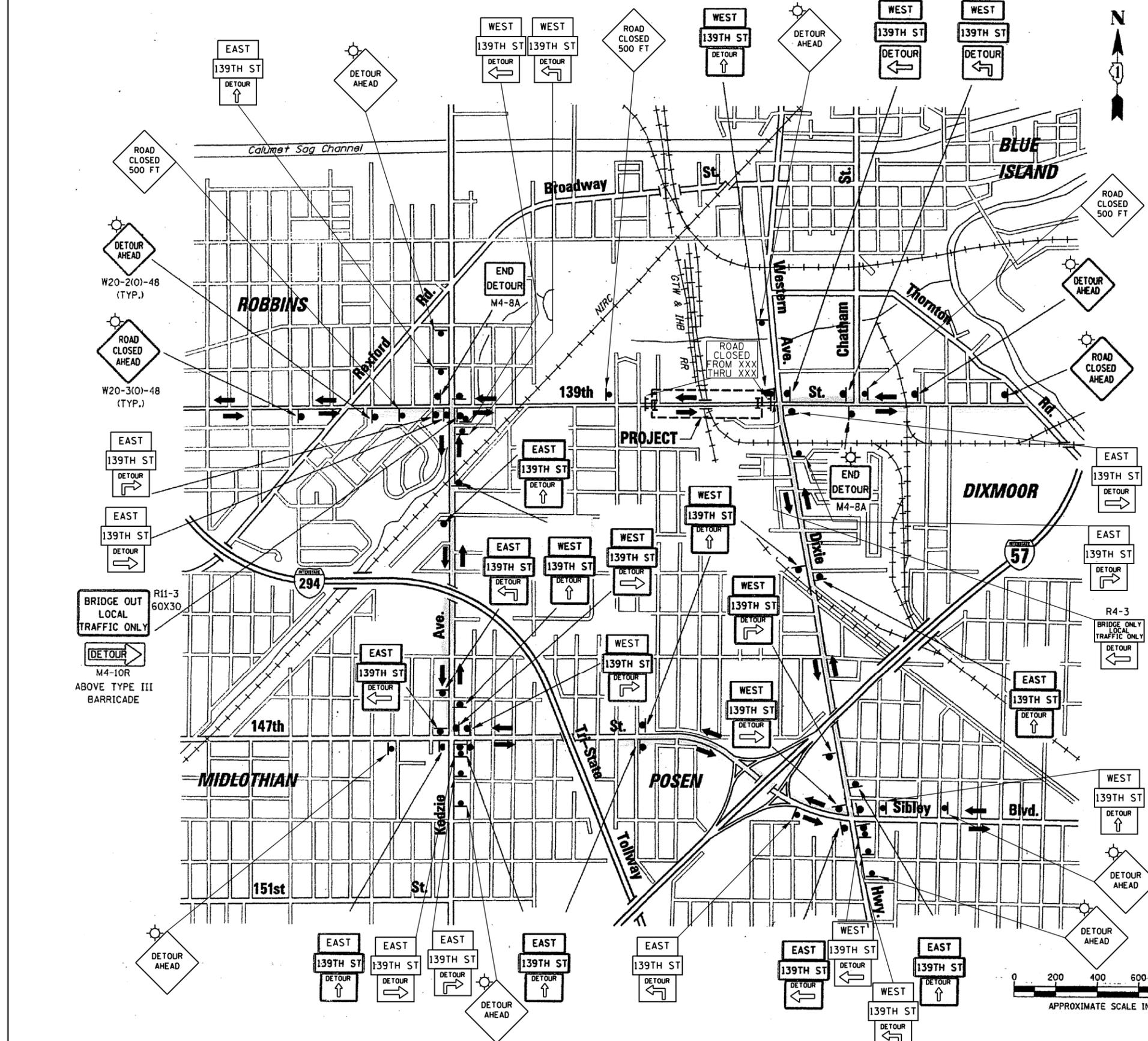
GENERAL NOTES

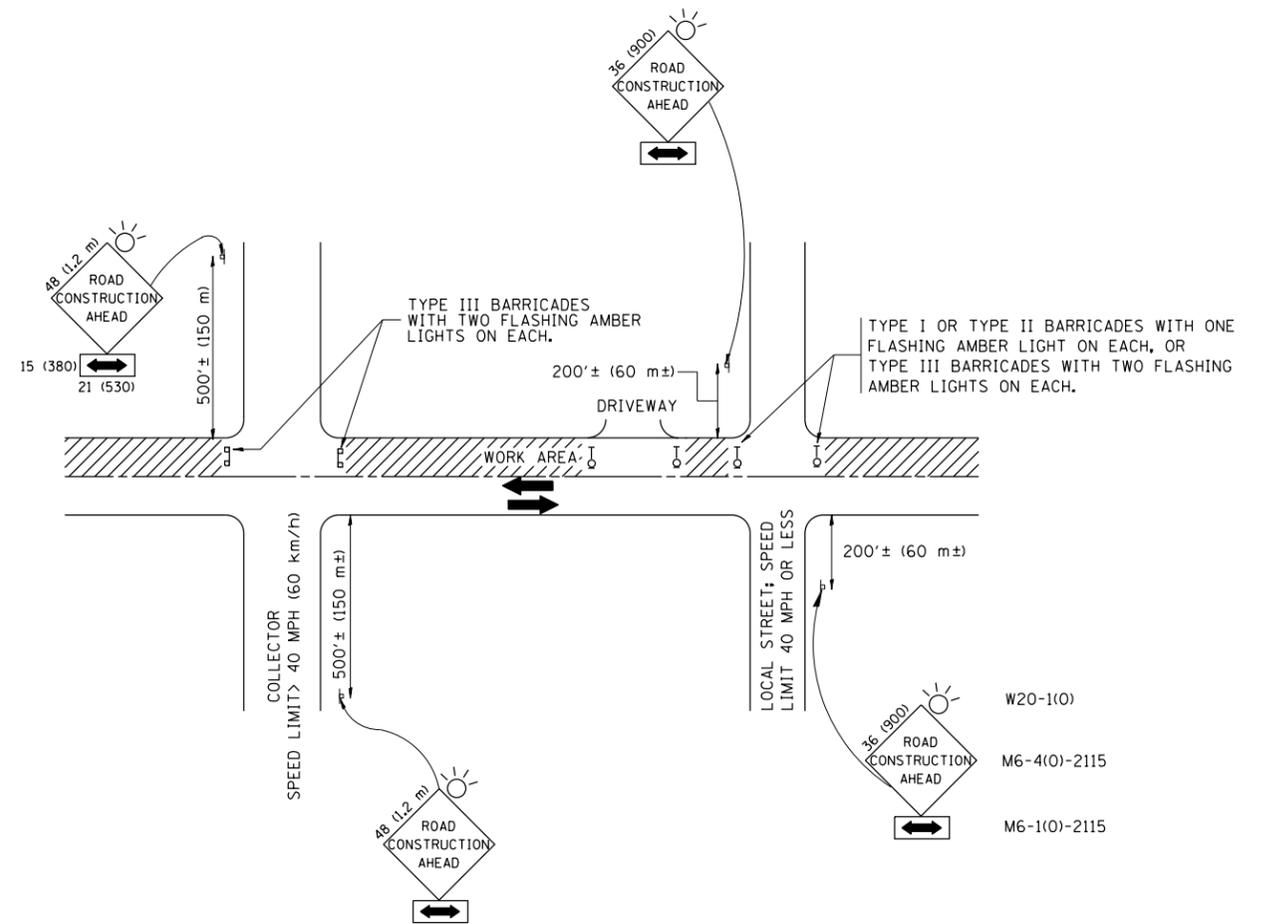
1. ALL SIGNING SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012. THE DETAILS OF THESE PLANS, AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
2. THE DURATION OF THIS DETOUR SHALL NOT EXCEED 20 CONSECUTIVE CALENDAR DAYS. THE CONTRACTOR SHALL PROCEED WITH THE WORK IN AN EXPEDIENT MANNER TO REDUCE THE LENGTH OF TIME, IF POSSIBLE, THAT THE DETOUR NEEDS TO BE IN EFFECT.
3. THE CONTRACTOR SHALL MAINTAIN ADEQUATE TRAFFIC CONTROL THROUGHOUT THE PROJECT AREA.
4. THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND APPROVED BY THE ENGINEER.
5. THE CONTRACTOR SHALL MAKE ALL CHANGES IN THE SIGNING THAT ARE DEEMED NECESSARY BY THE ENGINEER. THIS COST SHALL BE INCLUDE IN "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".
6. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR.
7. ALL DETOUR SIGNING SHALL BE POST MOUNTED.
8. ALL DETOUR SIGNING, EXCEPT REGULATORY SIGNS, SHALL HAVE BLACK LEGENDS ON ORANGE, HIGH INTENSITY, BACKGROUNDS AND STANDARD BLACK BORDERS. ALL DETOUR SIGNING SHALL BE NEW OR IN LIKE NEW CONDITION.
9. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
10. AS A MINIMUM, ALL AMBER FLASHING LIGHTS REQUIRED FOR DETOUR SIGNING SHALL MEET THE REQUIREMENTS FOR TYPE 'A' LOW INTENSITY FLASHING LIGHTS IN ARTICLE 718.17 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
11. TYPE III BARRICADES, AND THEIR APPLICATION, SHALL CONFORM TO HIGHWAY STD. 701901.
12. THE "ROAD CLOSED" SIGN ON A TYPE III BARRICADE SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO AMBER TYPE 'A' LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
13. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS.
14. THE ENGINEER SHALL BE NOTIFIED AT LEAST 2 DAYS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL OFFICIALS AND INTERESTED PARTIES.

SIGN LEGEND

SIGN LOCATION	
TYPE III BARRICADE	
M3-2 24x12 (TYP.)	
M2-2 24x12 (TYP.)	
D1-1(C) 30x12 (TYP.)	

M4-9R	
G205SL	
M4-9L	
G205SL	
M4-9	





TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. 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 AND FLAG 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. 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).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

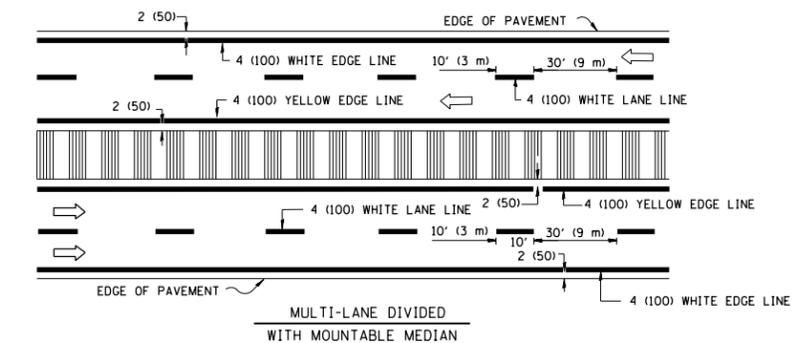
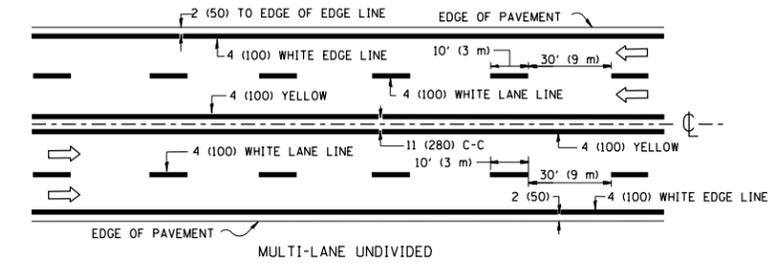
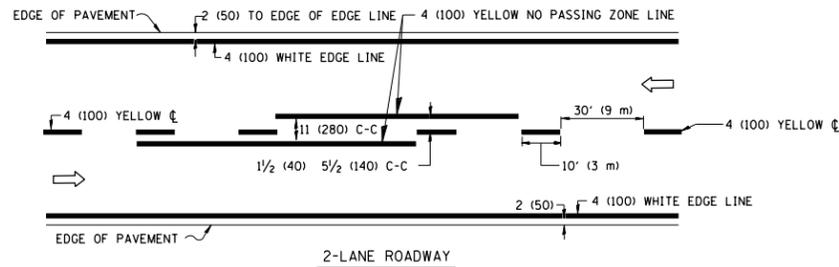
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et:\pw\work\p1dot\pyrzenowski\0409181	DistStd.dgn	DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 10/23/2014	DATE - 06-89	REVISED - T. RAMMACH 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

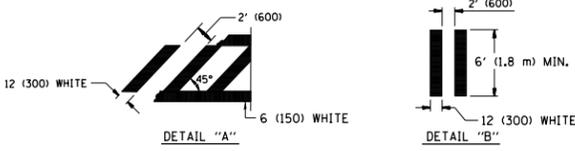
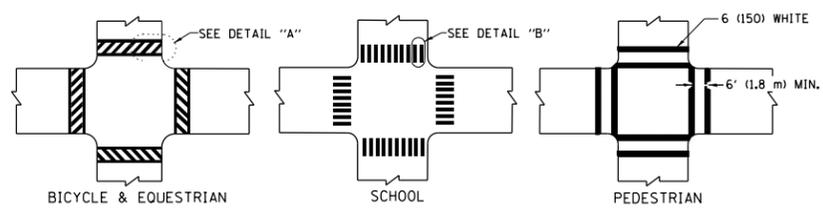
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	0303BR-1	COOK	21	18
TC-10			CONTRACT NO. 60Y52	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

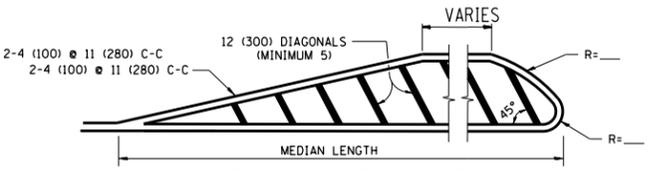
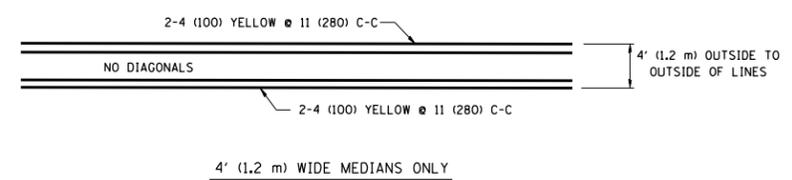


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

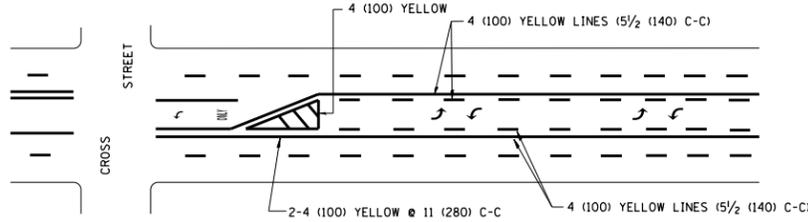


TYPICAL CROSSWALK MARKING

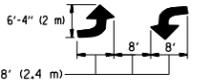


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

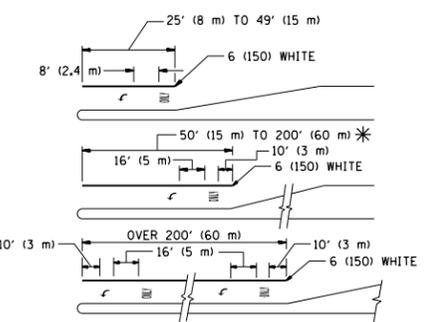


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

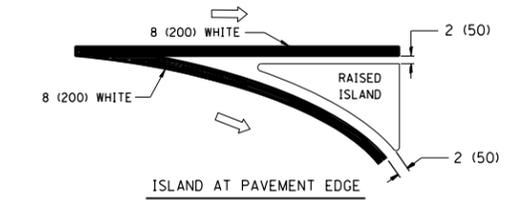
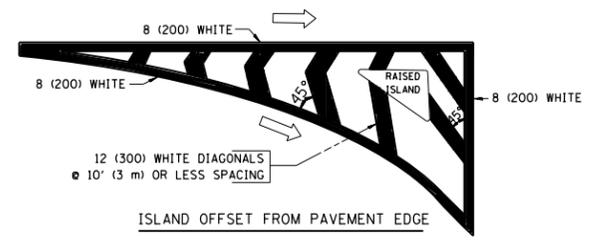


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE. SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE. SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R": 3.6 SQ. FT. (0.33 m ²) EACH "X": 54.0 SQ. FT. (5.0 m ²) EACH
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

ROUTE MARKERS

 FOR U.S. ROUTES
M1-40-2424

 FOR ILLINOIS ROUTES
M1-50-2424

 R.R., UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

 M5-1L-2115

 M5-1R-2115

 M6-1-2115

 M6-1-2115

 M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

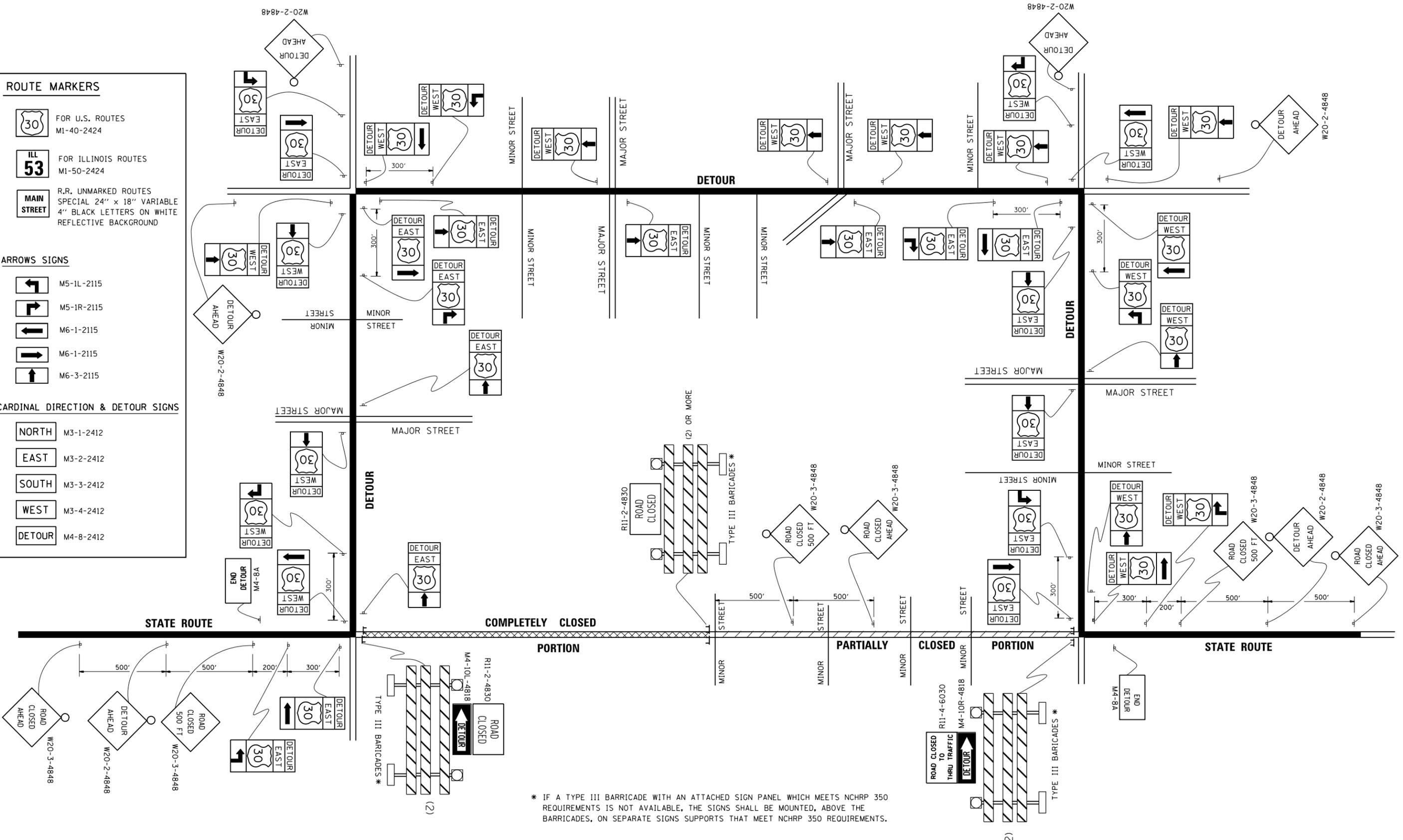
 NORTH M3-1-2412

 EAST M3-2-2412

 SOUTH M3-3-2412

 WEST M3-4-2412

 DETOUR M4-8-2412



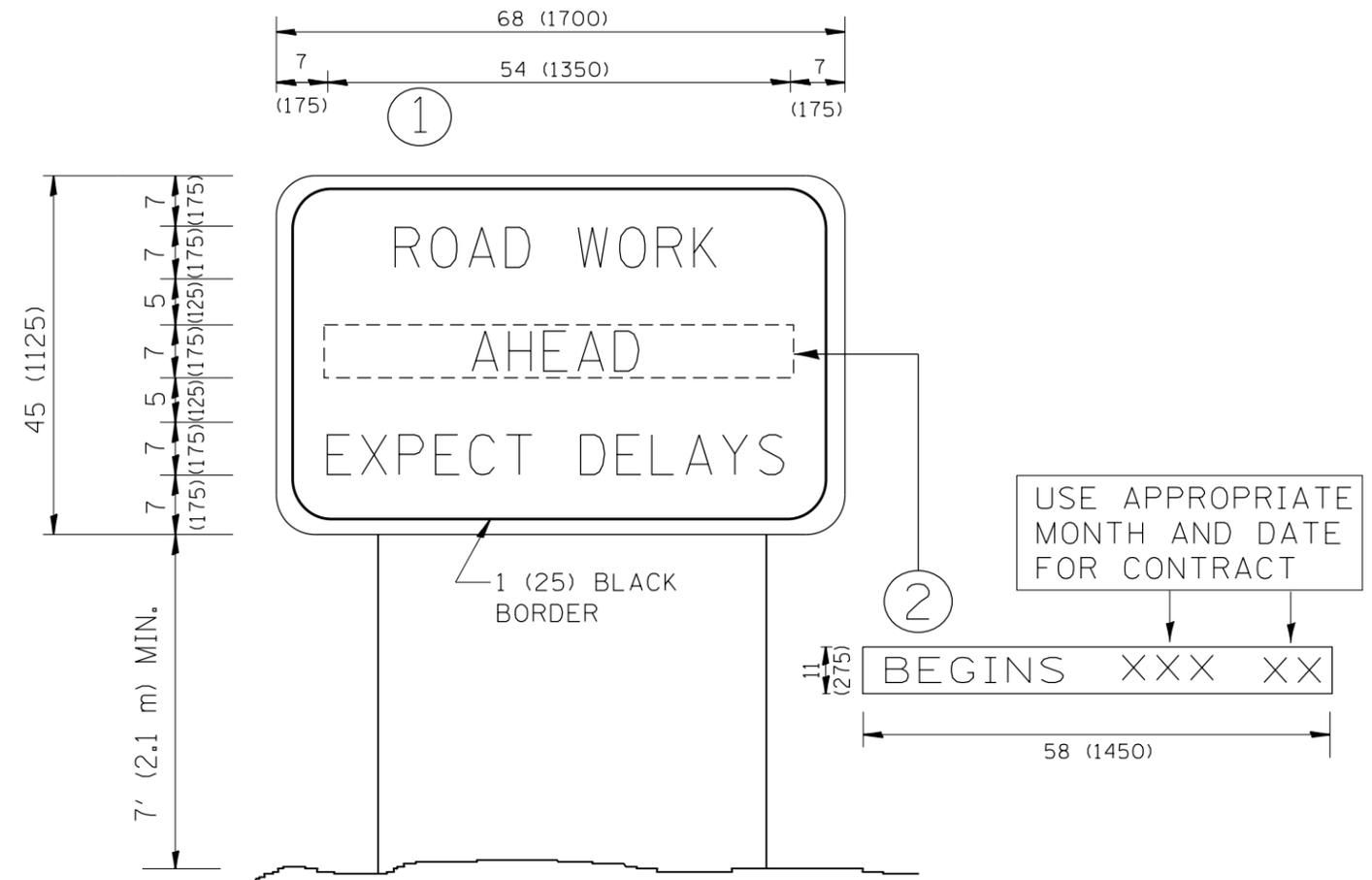
* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	USER NAME = pyzzenowskirb	DESIGNED -	REVISED - 10-18-02
et:\pw\work\p\pidot\pyzzenowskirb\0409181	DistStd.dgn	DRAWN -	REVISED - R. BORO 09-14-09
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/23/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	0303BR-1	COOK	21	20
TC-21		CONTRACT NO. 60Y52		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = pyzzenowskirb	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw_work\pwidot\pyzzenowskirb\d0409181	DistStd.dgn	DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	1360	0303BR-1	COOK	21	21
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99					TC-22		CONTRACT NO. 60Y52			
	PLOT DATE = 10/23/2014	DATE -	REVISED - C. JUCIUS 01-31-07		<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>								