

DESIGNER: CLARK JONES
PHONE: (309)671-3452

PROJECT ENGINEER: JIM MILLER
PHONE: (309)671-3451

CONTRACT NO. 68648

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	20	1

D4 BRIDGE REPAIR 2007-2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP 64 / (US 24)
SECTION D4 BRIDGE REPAIR 2007-2
PEORIA COUNTY
C-94-181-06

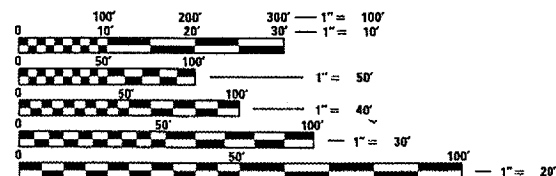
INDEX OF SHEETS:

1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. SCHEDULE OF QUANTITIES
5. PLAN & ELEVATION
- 6 ~ 20. REPAIR DETAILS (P1 ~ P14)

STANDARDS:

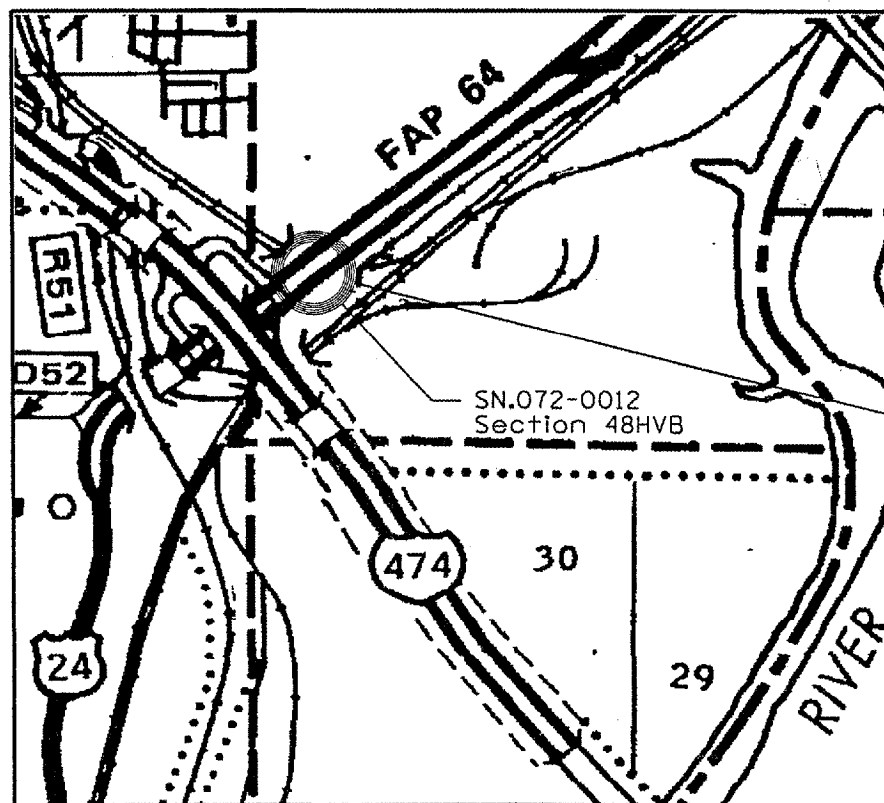
701001-01

702001-06



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



PEORIA COUNTY



LOCATION OF SECTION INDICATED THUS: -

PROJECT CONSISTS OF SUBSTRUCTURE REPAIR (PIERS) TO (SN.072-0012) SECTION 48HVB, CARRYING US 24 WB ROADWAY OVER UP AND BNSF RR IN PEORIA.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Jan 14 20 07

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 23 20 07
Eric E. Horn
ENGINEER OF DESIGN AND ENVIRONMENT

March 23 20 07
Milton R. Sees, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

CONTRACT NO. 68648 CAT. NO. 033389-00D

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	20	2
STA. 211+60.95		TO STA. 219+27.65		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
* D4 Bridge Repair 2007-2				

COMMITMENTS

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

GENERAL NOTES

ALL SUBSTRUCTURE CONCRETE DESIGNATED AS DEFECTIVE BY THE ENGINEER FOR THESE STRUCTURES SHALL BE REMOVED AS INCIDENTAL TO "STRUCTURAL REPAIR OF CONCRETE".

PHOTOGRAPHS FROM THE 09/09/2004 DAMAGE INSPECTION WERE USED TO DETERMINE THE EXTENT OF REPAIR PLANS. COPIES OF THOSE PHOTOS ARE AVAILABLE UPON REQUEST.

THERE SHALL BE NO WORK DONE ON SN 072-0012 OVER OR ON THE RAILROAD. THE STATE HOLDS NO LIABILITY RESPONSIBILITY FOR ANY CLAIMS MADE BY THE RAILROAD FOR ANY ISSUES RESULTING FROM OR PERTAINING TO THE PROPOSED WORK IN THIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING RAILROAD PROTECTIVE INSURANCE, COMPLETING SAFETY TRAINING FOR WORKING NEAR A RAILROAD RIGHT-OF-WAY, AND PAYMENT FOR FLAGGING SERVICES PROVIDED.

PLOT DATE * SCALE *
 PLOT NAME * SCALE *
 PLOT SCALE * SCALE *
 REFERENCE * REF.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: VERT. VERT.
 HORIZ. HORIZ.
 DATE 06-14-2005

DRAWN BY CEJ
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	20	4
STA. 211+60.95		TO STA. 219+27.65		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	
* D4 Bridge Repair 2007-2				

SCHEDULE OF QUANTITIES

MOBILIZATION

JOBSITE = 1.0 LSUM

TEMPORARY SHORING & CRIBBING

JOBSITE = 1.0 LSUM

STRUCTURAL REPAIR OF CONCRETE (DEPTH > THAN 5")

JOBSITE PIER SUBSTRUCTURE = 279 SQ. FT.

STRUCTURAL REPAIR OF CONCRETE (DEPTH = < 5")

JOBSITE PIER SUBSTRUCTURE = 1579 SQ. FT.

PLOT DATE * WATER
FILE NAME * WFILEA
PLOT SCALE * HSCALE
REFERENCE * REFPA

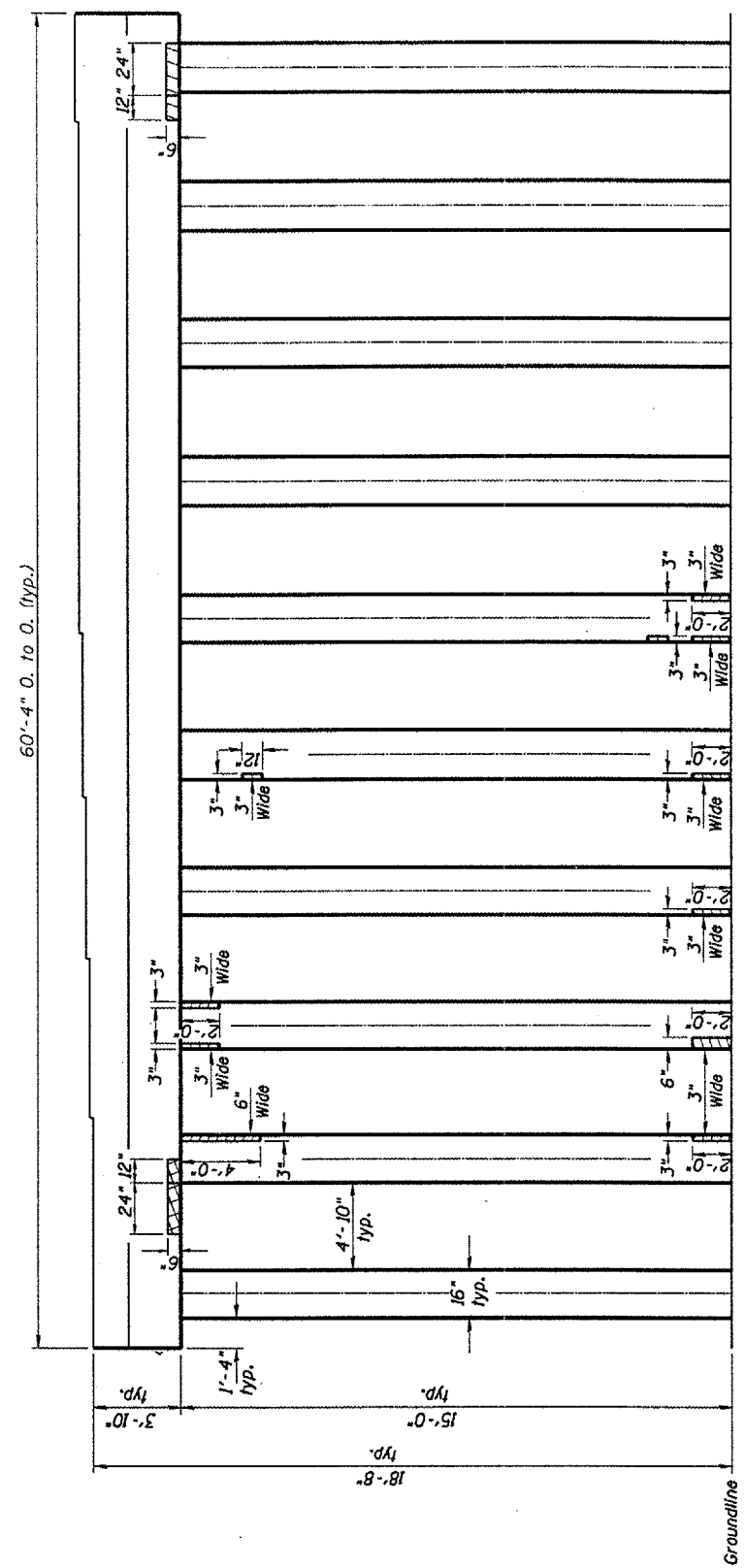
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT. DRAWN BY CEJ
 HORIZ. CHECKED BY
 DATE 09-12-2006

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	20	6
STA. 211+60.95		TO STA. 219+27.65		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		
* D4 Bridge Report 2007-2				

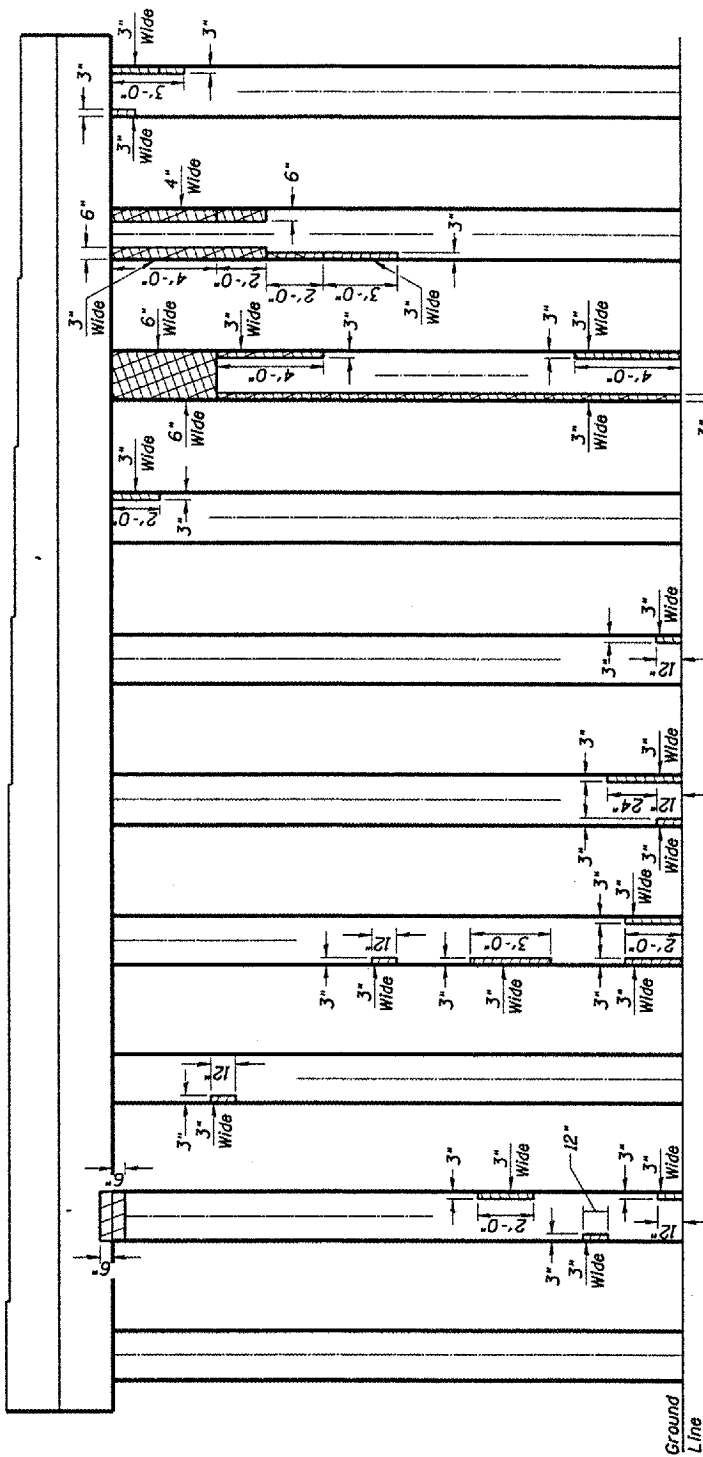


ELEVATION PIER I
(Looking West)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (DS)	SO.FT.	2.6
Structural Repair of Concrete (ES)	SO.FT.	14.5

Structural Repair of Concrete = < 5"
 Structural Repair of Concrete > 5"



ELEVATION PIER I
(Looking East)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (DS)	SO.FT.	7.0
Structural Repair of Concrete (ES)	SO.FT.	39.6

Structural Repair of Concrete = < 5"
 Structural Repair of Concrete > 5"

PLOT DATE *
 FILE NAME *
 PLOT SCALE *
 REFERENCE *
 WHEELS
 RICKER
 WERS

REVISIONS	
NAME	DATE

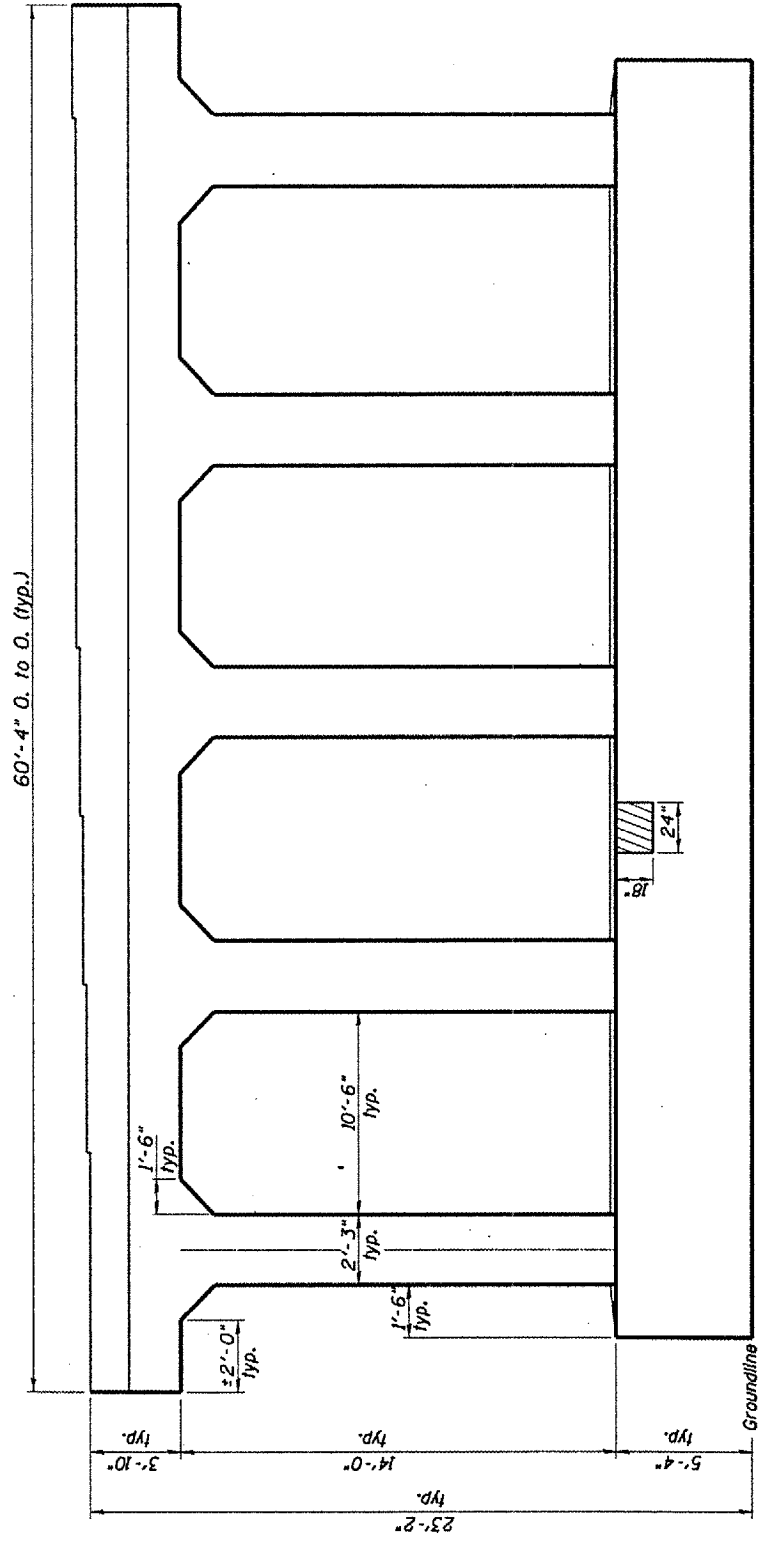
SN.072-0012 Adams St. over Clark St. & B.N.R.R.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STRUCTURAL REPAIR DETAILS

SCALE: VERT. DRAWN BY CEJ
 HORIZ. CHECKED BY
 DATE 06-16-2005



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	8	PEORIA	20	7
STA. 211+60.95 TO STA. 219+27.65				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
* 04 Bridge Repair 2007-2				

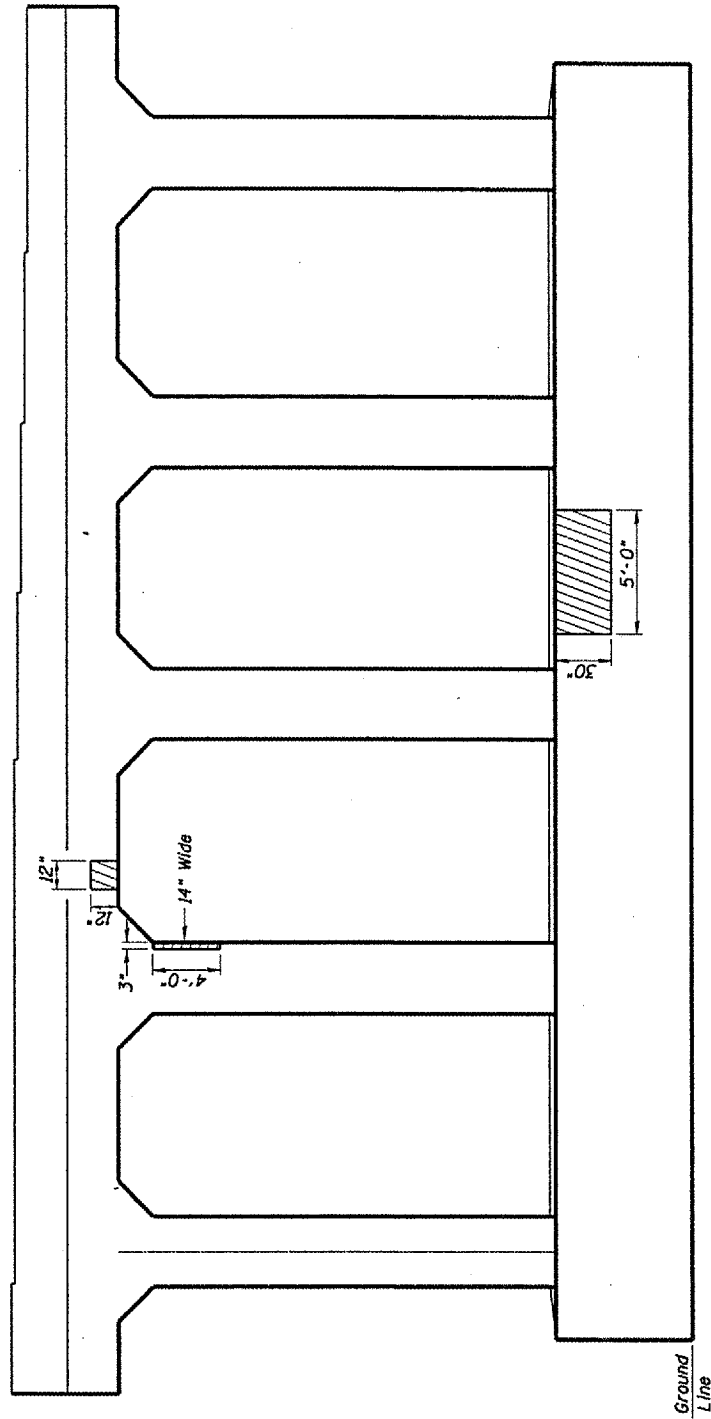


ELEVATION PIER 2
(Looking West)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (>5")	SQ.FT.	0.0
Structural Repair of Concrete (<5")	SQ.FT.	3.0



 Structural Repair of Concrete < 5"
 Structural Repair of Concrete > 5"



ELEVATION PIER 2
(Looking East)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (>5")	SQ.FT.	2.4
Structural Repair of Concrete (<5")	SQ.FT.	13.6

 Structural Repair of Concrete < 5"
 Structural Repair of Concrete > 5"

PLOT DATE
 FILE NAME
 PLOT SCALE
 REFERENCE

REVISIONS	
NAME	DATE

SN.072-0012 Adams St. over Clark St. & B.N.R.R.

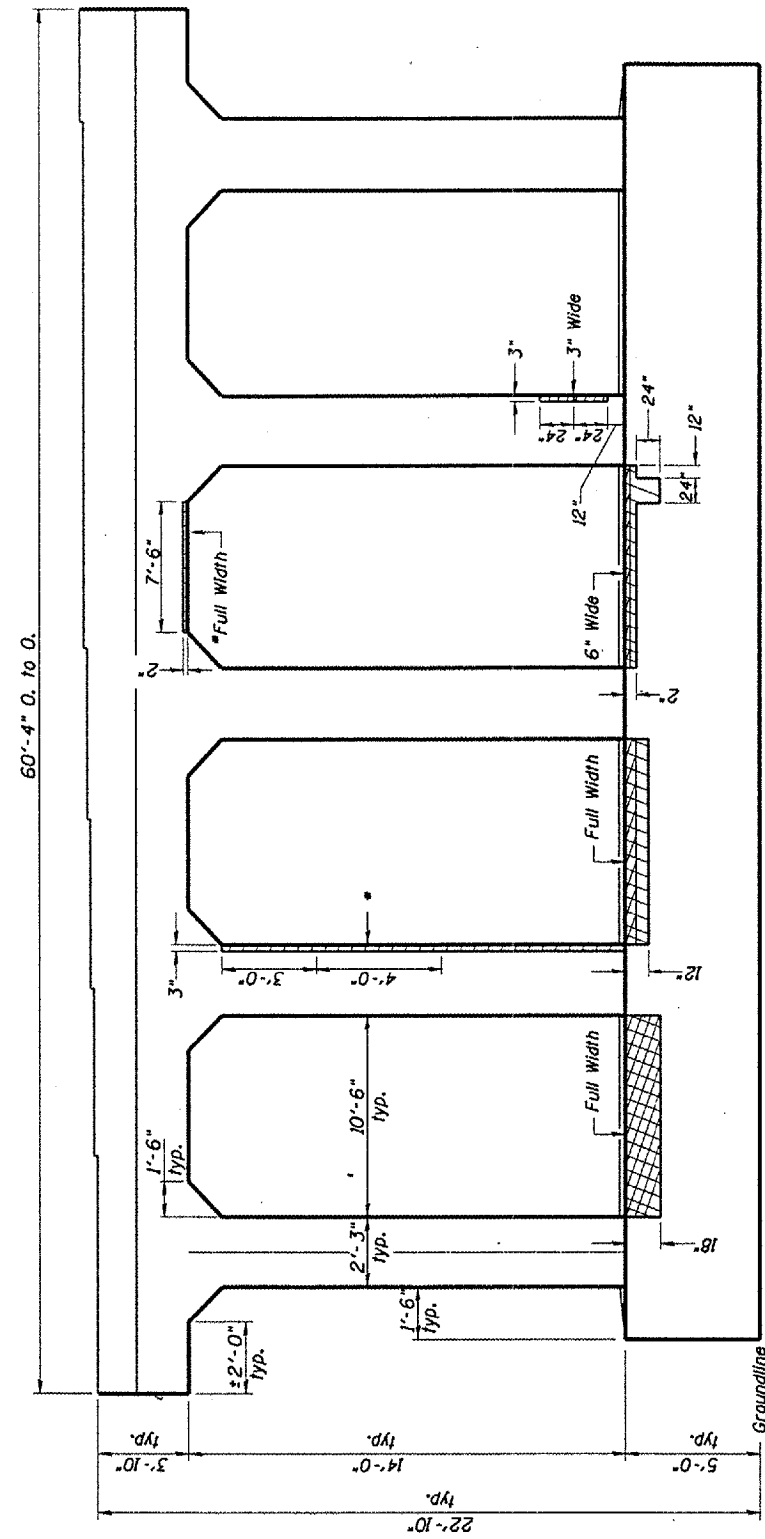
ILLINOIS DEPARTMENT OF TRANSPORTATION

STRUCTURAL REPAIR DETAILS

SCALE: VERT. DATE 06-16-2005
 HORIZ.

DRAWN BY CEJ
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	20	8
STA. 211+60.95 TO STA. 219+27.65				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
* D4 Bridge Repair 2007-2				



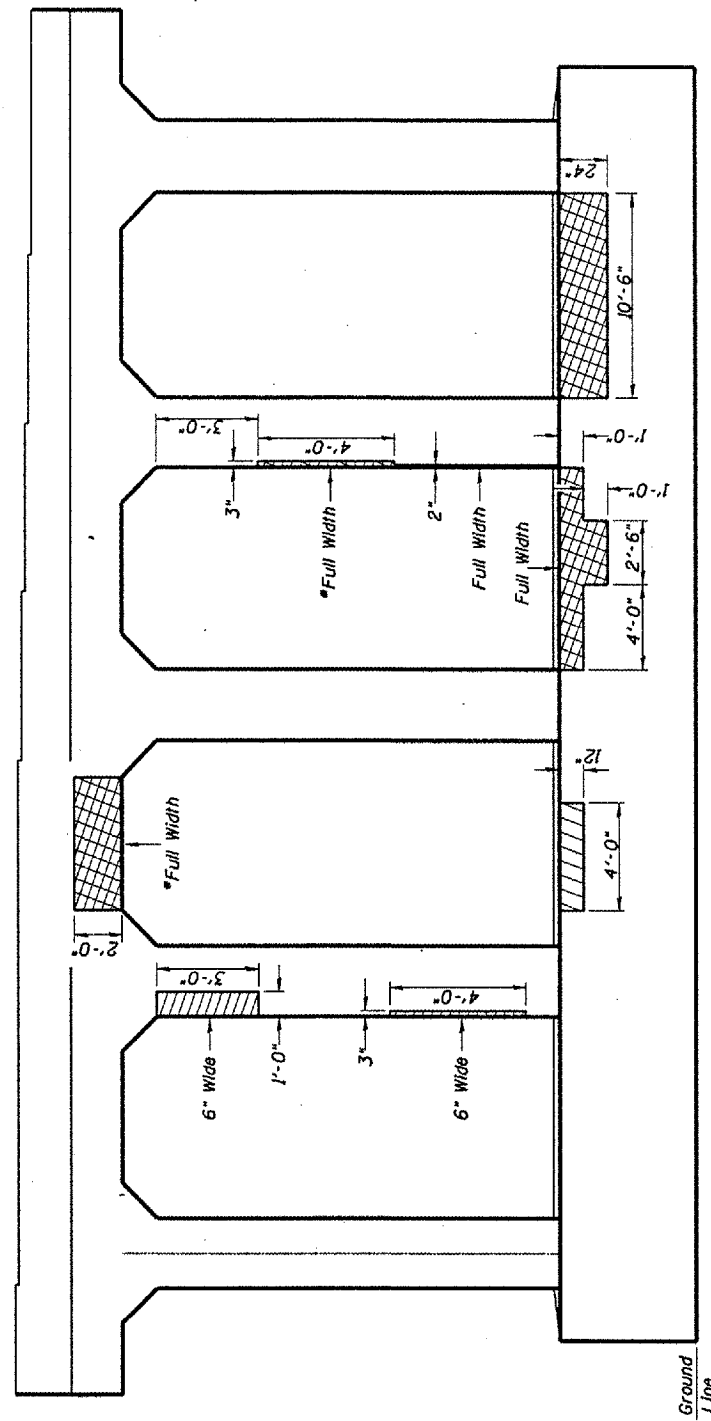
ELEVATION PIER 3
(Looking West)

* Temporary shoring and cribbing is required during repairs at this location.

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (>5")	SQ.FT.	19.7
Structural Repair of Concrete (<5")	SQ.FT.	111.8

▨ Structural Repair of Concrete < 5"
▩ Structural Repair of Concrete > 5"



ELEVATION PIER 3
(Looking East)

* Temporary shoring and cribbing is required during repairs at this location.

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (>5")	SQ.FT.	26
Structural Repair of Concrete (<5")	SQ.FT.	148

▨ Structural Repair of Concrete < 5"
▩ Structural Repair of Concrete > 5"

BEAM REACTIONS AT PIER 3

	W. Brq.	E. Brq.
R ₀ (K)	24.8	23.1
R ₁ (K)	39.3	38.6
Imp (K)	11.0	11.0
R _{total} (K)	75.1	72.7

SN.072-0012 Adams St. over Clark St. & B.N.R.R.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STRUCTURAL REPAIR DETAILS

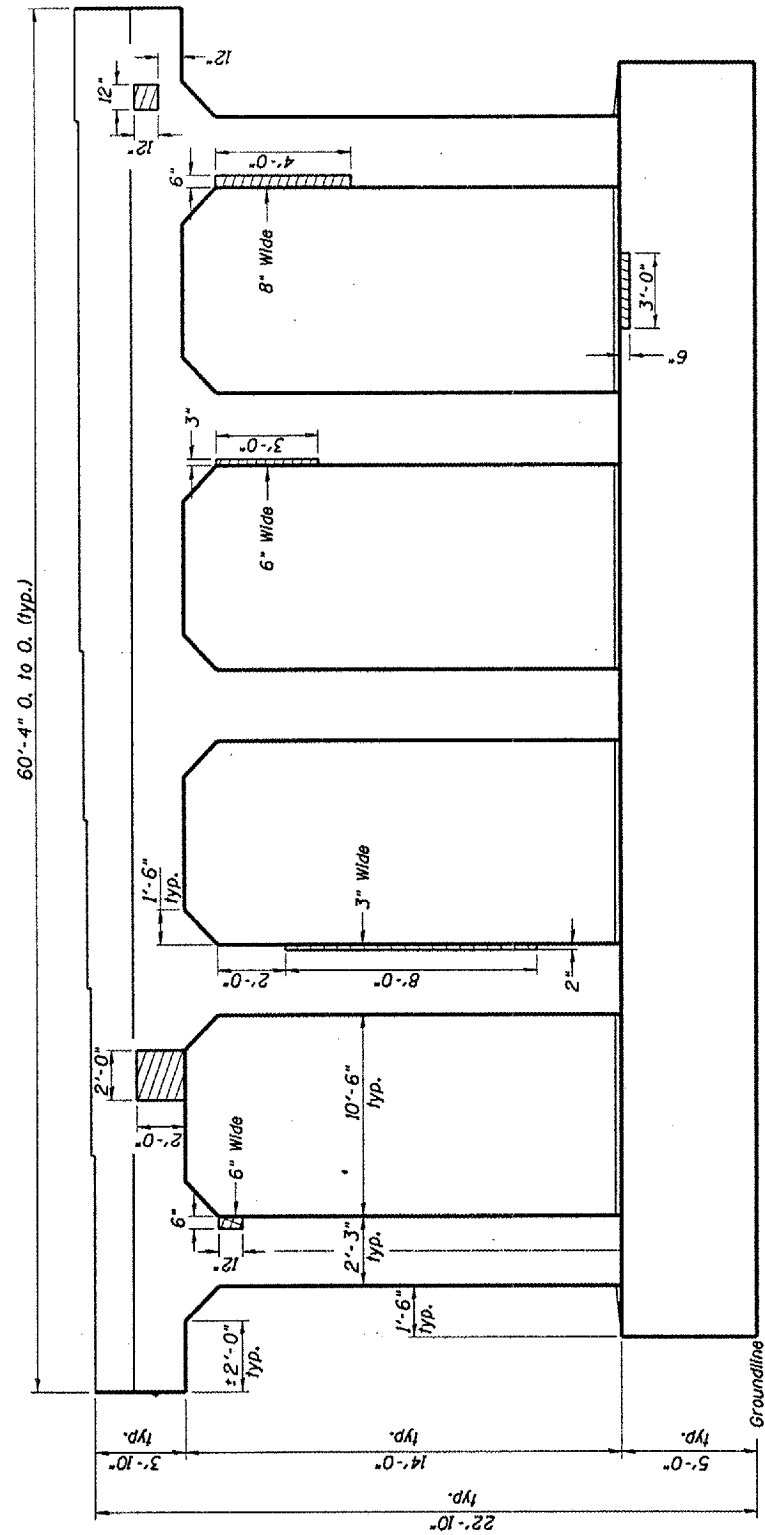
SCALE: VERT. DATE 06-16-2005

DRAWN BY CEJ CHECKED BY

REVISIONS	
NAME	DATE

PLOT DATE
FILE NAME
SCALE
REFERENCE

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	20	9
STA. 211+60.95		TO STA. 219+27.65		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
* 04 Bridge Repair 2007-2				

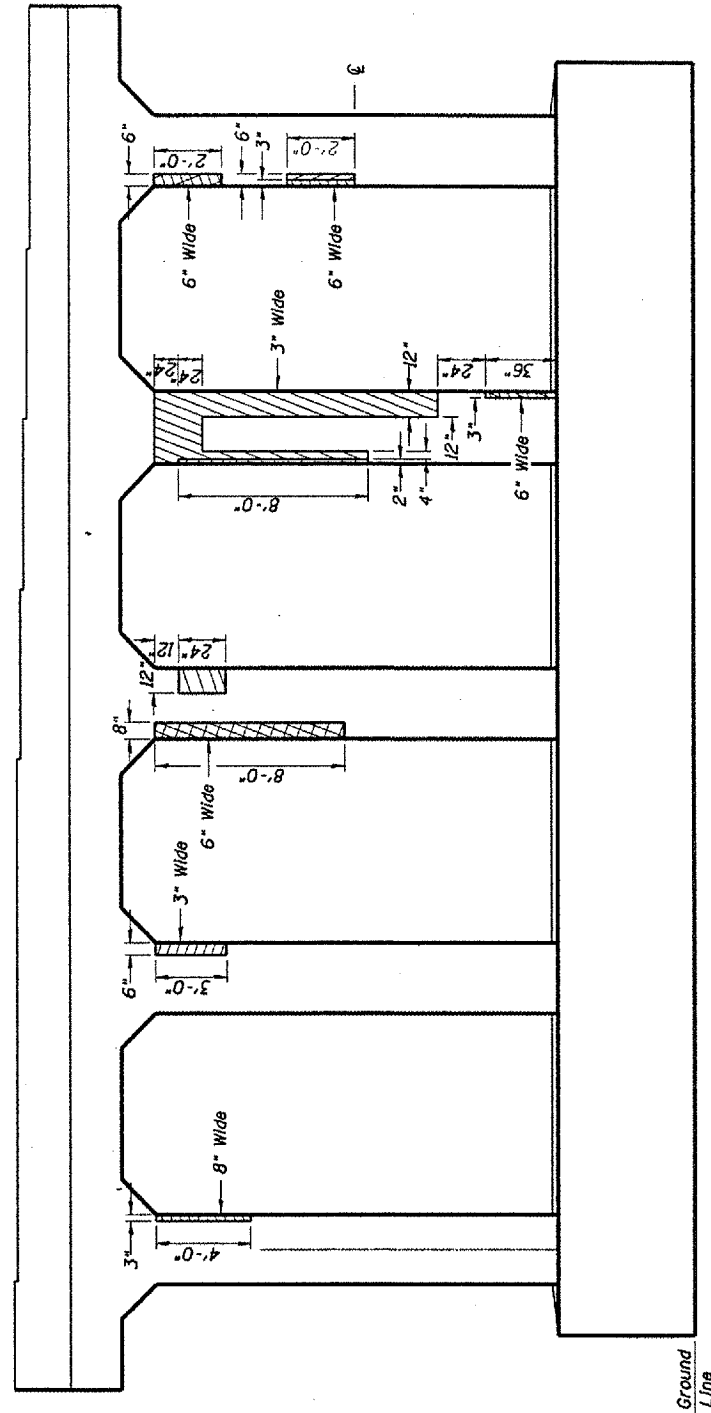


ELEVATION PIER 4
(Looking West)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete ($\leq 5''$)	SO.FT.	4.6
Structural Repair of Concrete (> 5'')	SO.FT.	26

Structural Repair of Concrete $\leq 5''$
 Structural Repair of Concrete $> 5''$



ELEVATION PIER 4
(Looking East)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete ($\leq 5''$)	SO.FT.	11.2
Structural Repair of Concrete (> 5'')	SO.FT.	63.8

Structural Repair of Concrete $\leq 5''$
 Structural Repair of Concrete $> 5''$

PLOT DATE • NOTES
 FILE NAME • SHEETS
 REFERENCE • SHEETS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

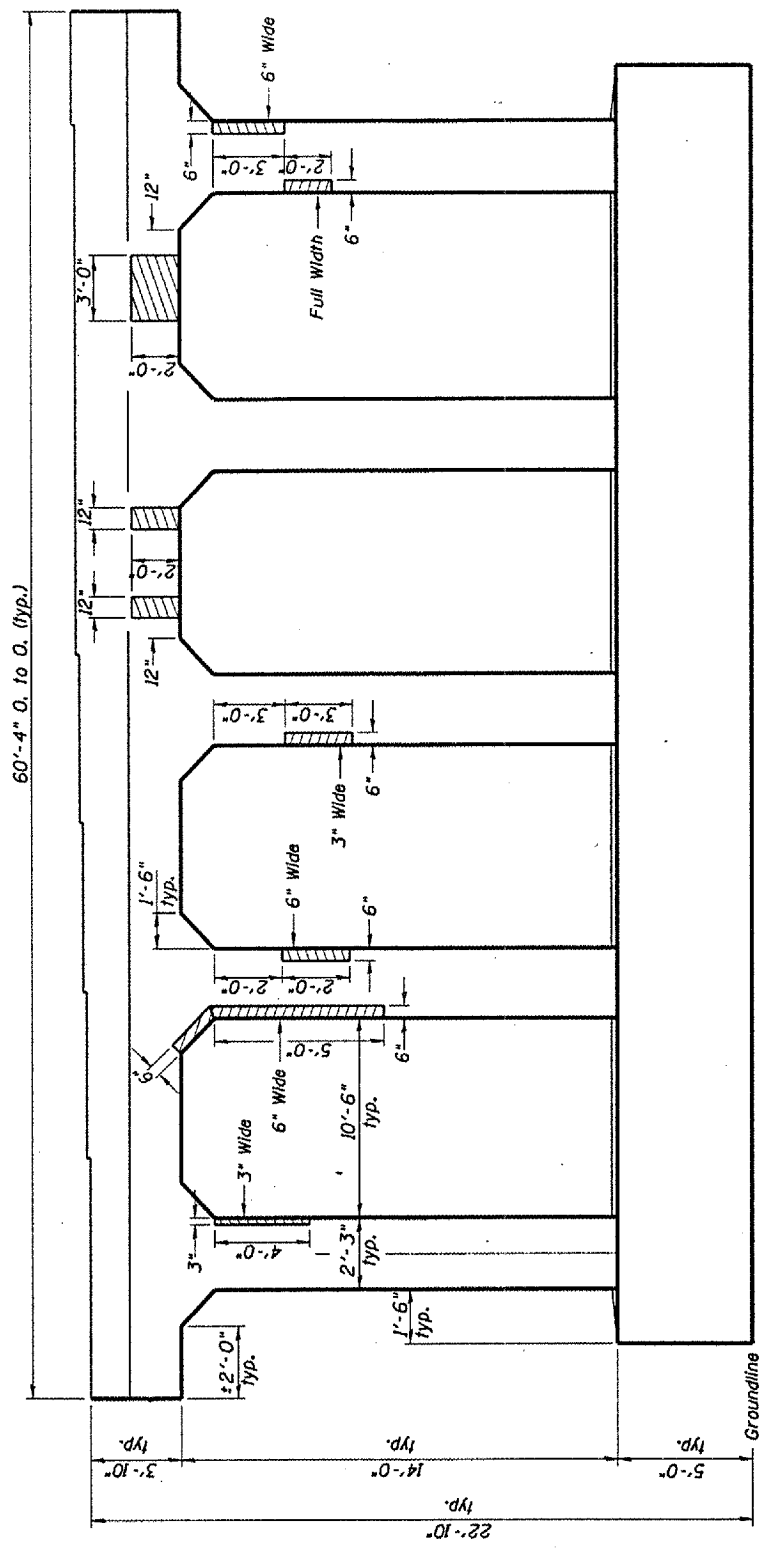
STRUCTURAL REPAIR DETAILS

SCALE: VERT. _____
 DATE 06-16-2005

DRAWN BY CEJ
 CHECKED BY _____

SN.072-0012 Adams St. over Clark St. & B.N.R.R.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	20	10
STA. 211+60.95		TO STA. 219+27.65		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		
* D4 Bridge Repair 2007-2				

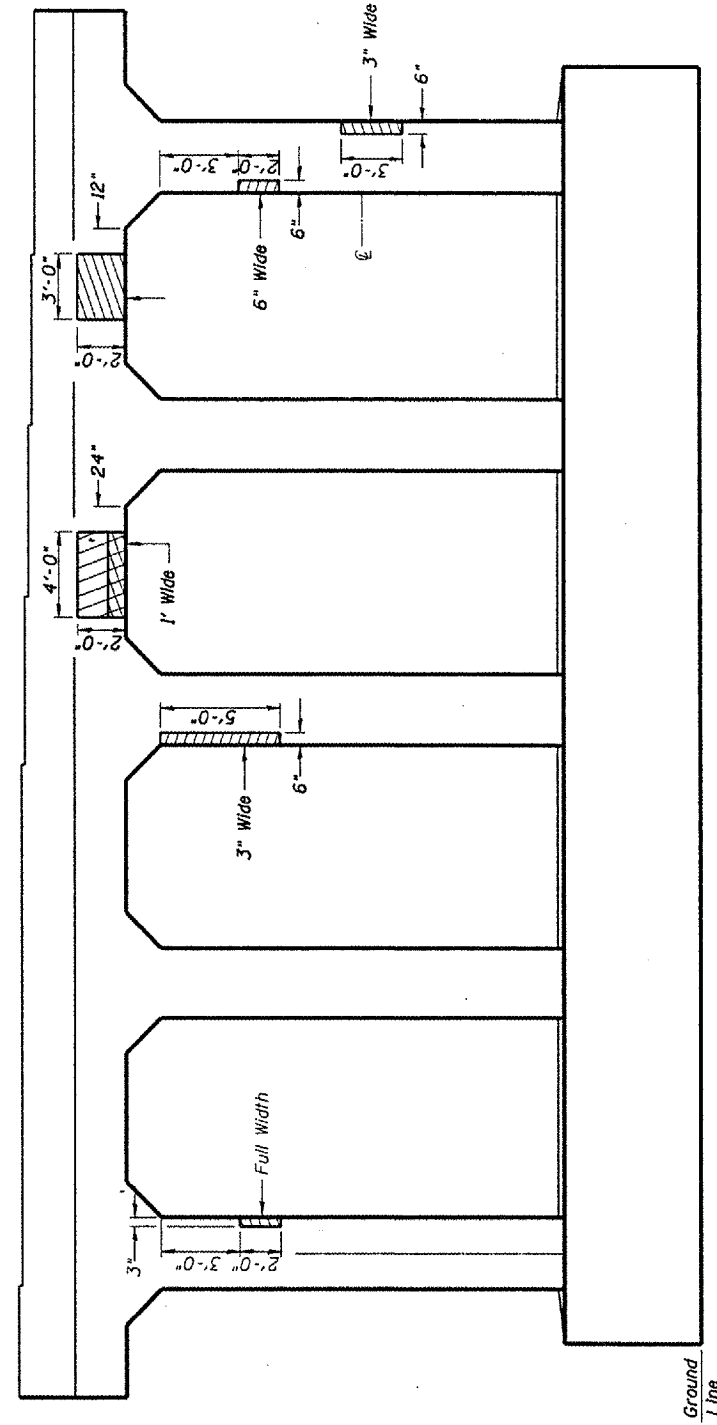


ELEVATION PIER 5
(Looking West)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (<5')	SO.FT.	4
Structural Repair of Concrete (>5')	SO.FT.	23

Structural Repair of Concrete < 5'
 Structural Repair of Concrete > 5'



ELEVATION PIER 5
(Looking East)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (<5')	SO.FT.	5.2
Structural Repair of Concrete (>5')	SO.FT.	29.3

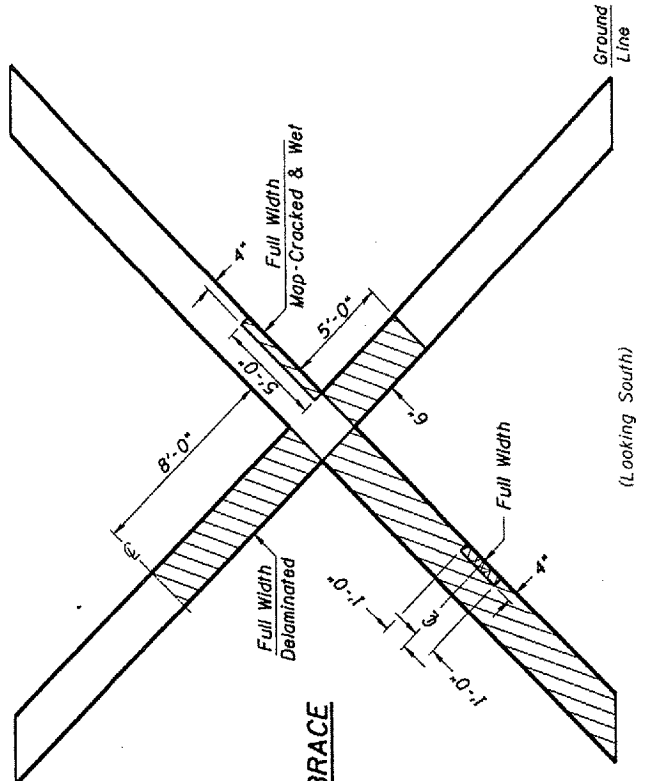
Structural Repair of Concrete < 5'
 Structural Repair of Concrete > 5'

PLOT DATE * WATER
 FILE NAME * FILE NO.
 PLOT SCALE * SCALES
 REFERENCE * REF#

REVISIONS	
NAME	DATE

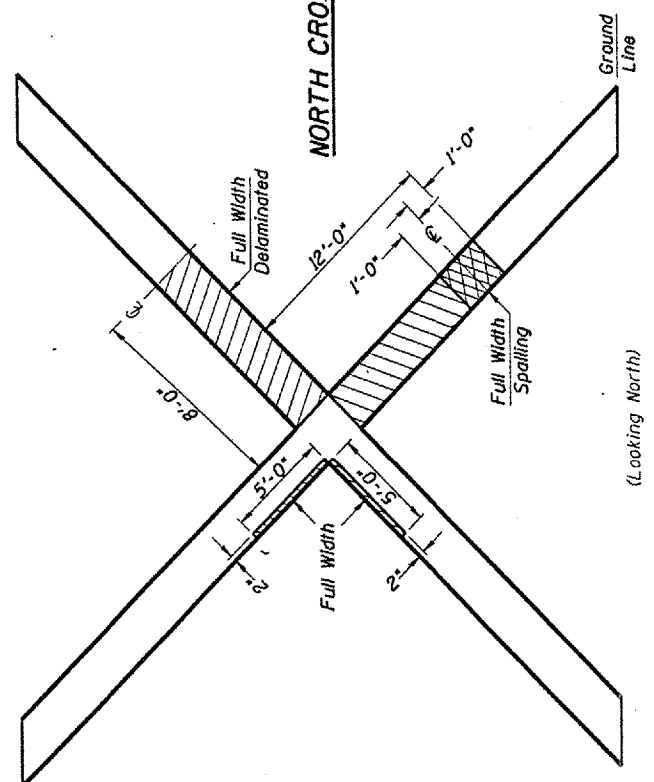
SN.072-0012 Adams St. over
 Clark St. & B.N.R.R.
 ILLINOIS DEPARTMENT OF TRANSPORTATION
STRUCTURAL REPAIR DETAILS
 SCALE: VERT. DRAWN BY CEJ
 HORIZ. CHECKED BY
 DATE 06-16-2005

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	20	11
STA. 211+60.95 TO STA. 219+27.65				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
04 Bridge Repd r 2007-2				



NORTH CROSS-BRACE

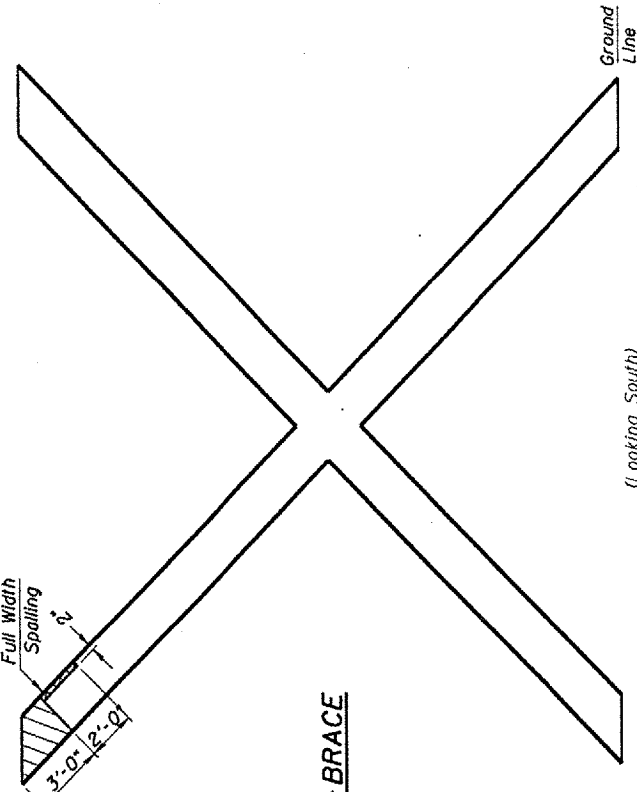
(Looking South)



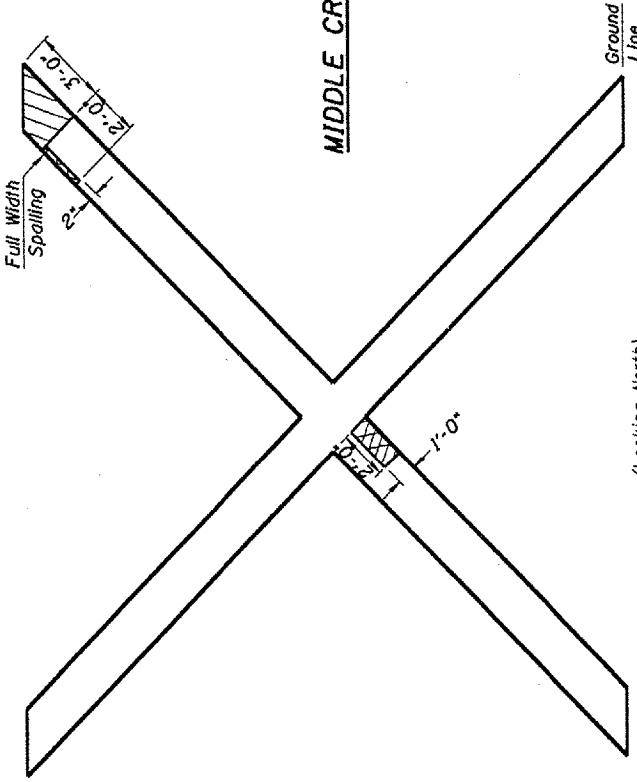
(Looking North)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (>5")	SQ.FT.	15
Structural Repair of Concrete (<5")	SQ.FT.	85



(Looking South)

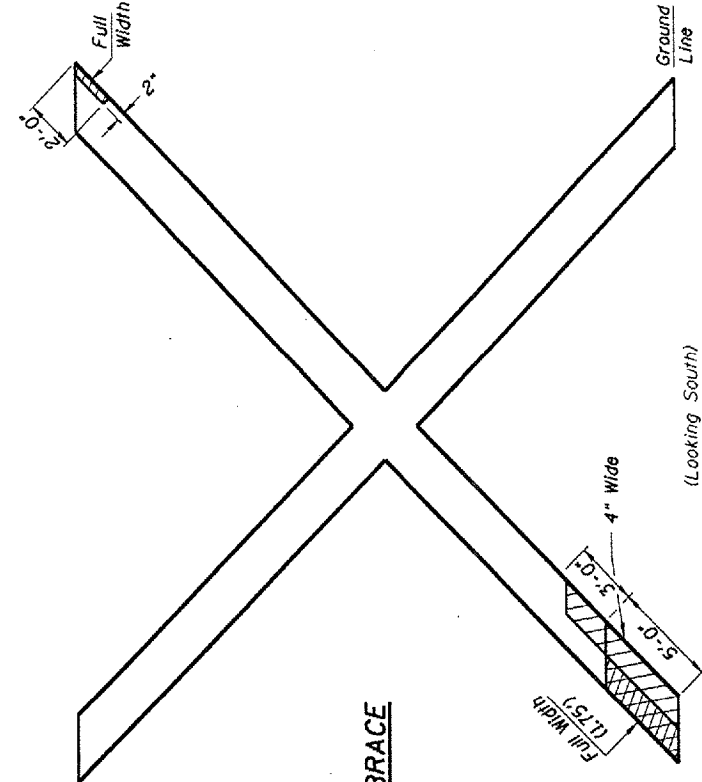


(Looking North)

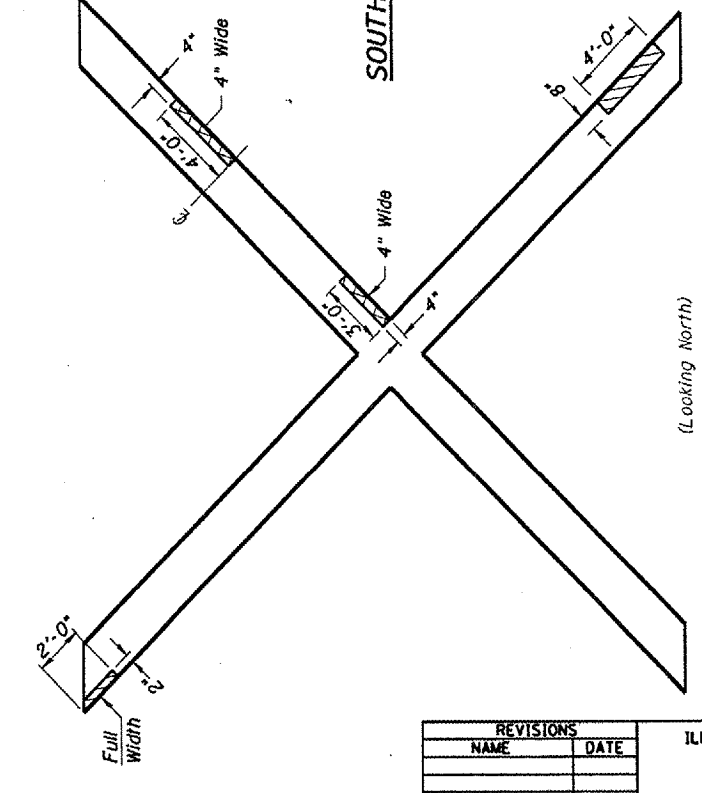
MIDDLE CROSS-BRACE

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (>5")	SQ.FT.	4
Structural Repair of Concrete (<5")	SQ.FT.	22.8



(Looking South)



(Looking North)

SOUTH CROSS-BRACE

Structural Repair of Concrete ≤ 5"
 Structural Repair of Concrete > 5"

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (>5")	SQ.FT.	3.4
Structural Repair of Concrete (<5")	SQ.FT.	19.3

PLOT DATE : 04/16/05
 FILE NAME : 071614
 PLOT SCALE : 1/8"=1'-0"
 REFERENCE : 071614

REVISIONS	
NAME	DATE

SN.072-0012 Adams St. over Clark St. & B.N.R.R.

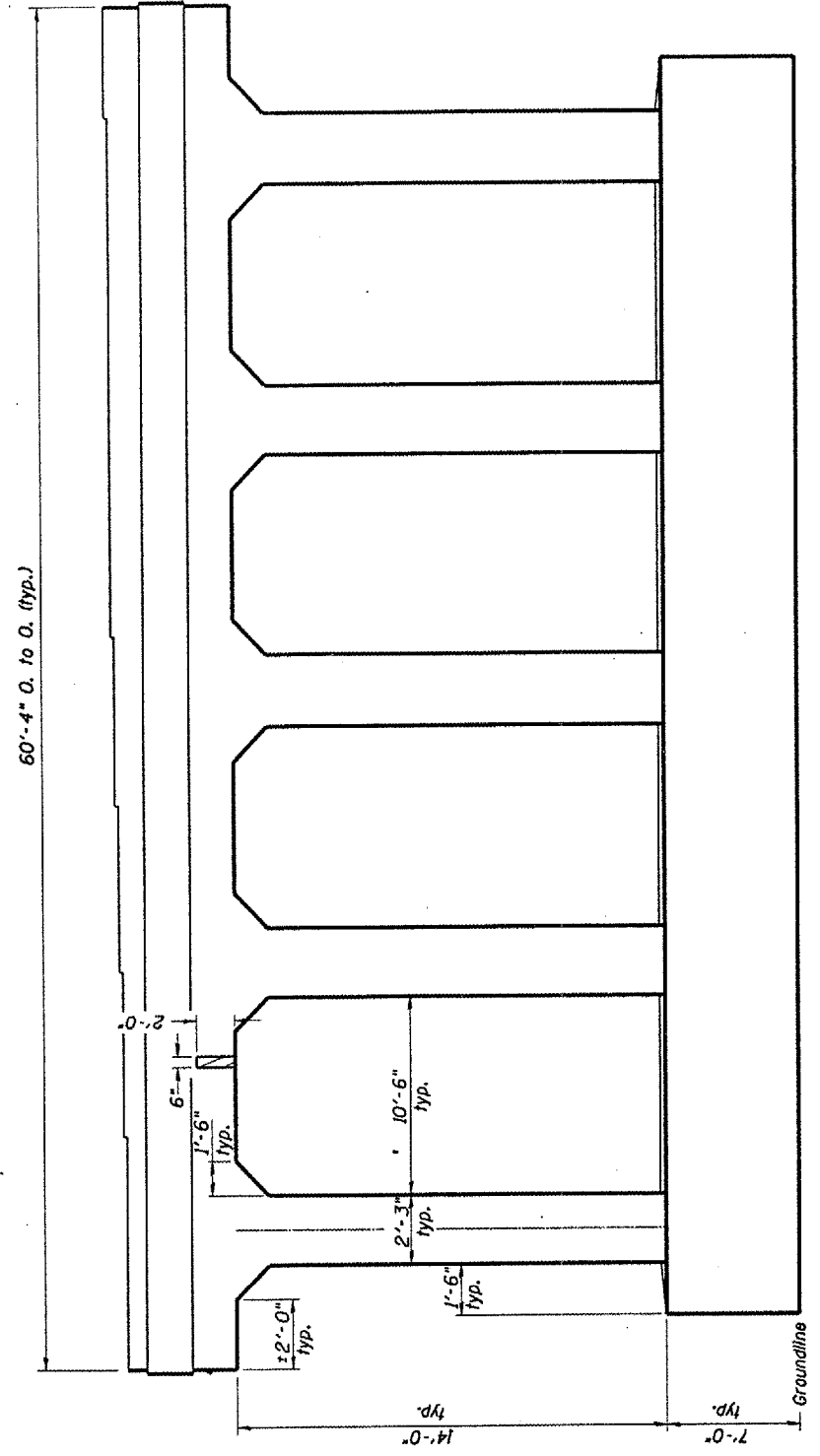
ILLINOIS DEPARTMENT OF TRANSPORTATION

STRUCTURAL REPAIR DETAILS

SCALE: VERT. 1/8"=1'-0"
 DATE 06-16-2005

DRAWN BY CEJ
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	20	12
STA. 211+60.95 TO STA. 219+27.65				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
* 04 Bridge Repair 2007-2				

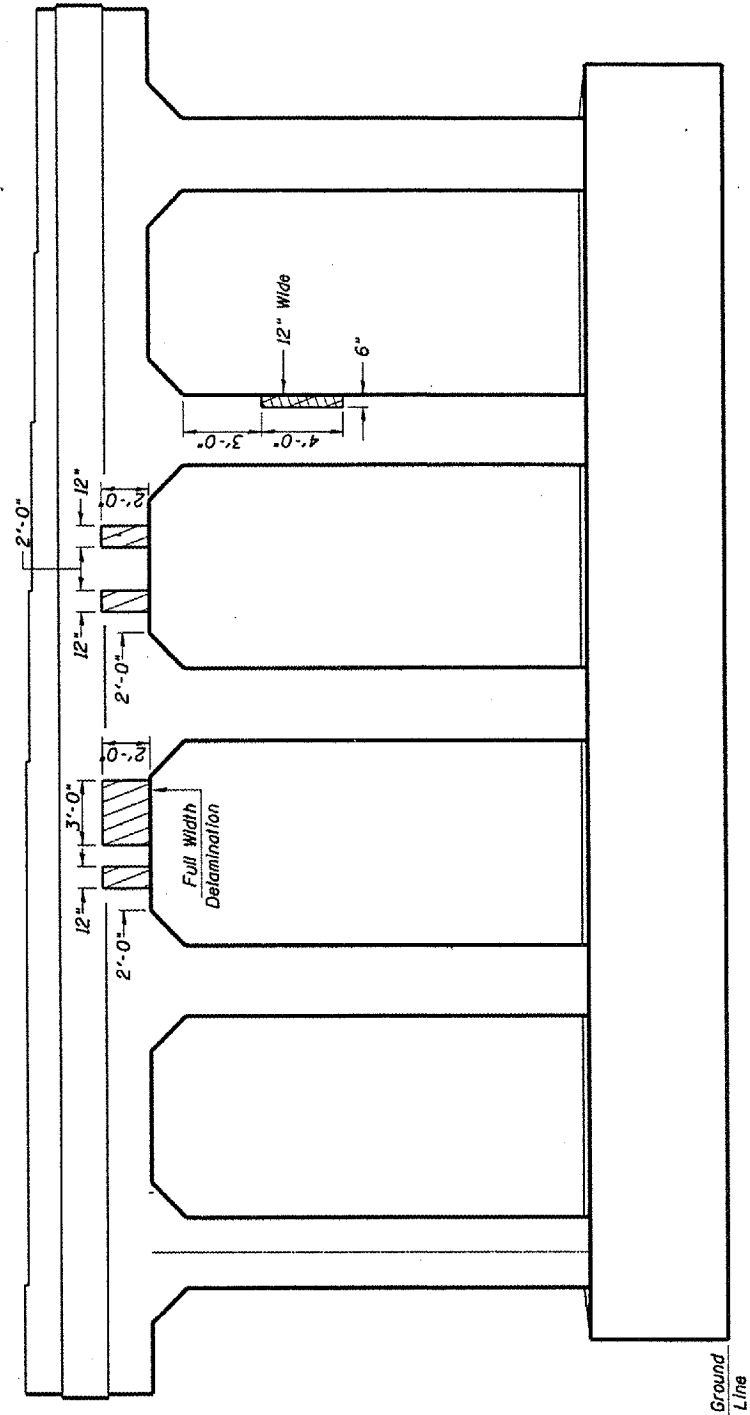


ELEVATION PIER 6
(Looking West)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (<5')	SQ.FT.	0.0
Structural Repair of Concrete (>5')	SQ.FT.	0.75

Structural Repair of Concrete < 5"
 Structural Repair of Concrete > 5"



ELEVATION PIER 6
(Looking East)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (<5')	SQ.FT.	3.6
Structural Repair of Concrete (>5')	SQ.FT.	20.4

Structural Repair of Concrete < 5"
 Structural Repair of Concrete > 5"

PLOT DATE
 FILE NAME
 SCALE
 REFERENCE

REVISIONS	
NAME	DATE

SN.072-0012 Adams St. over Clark St. & B.N.R.R.

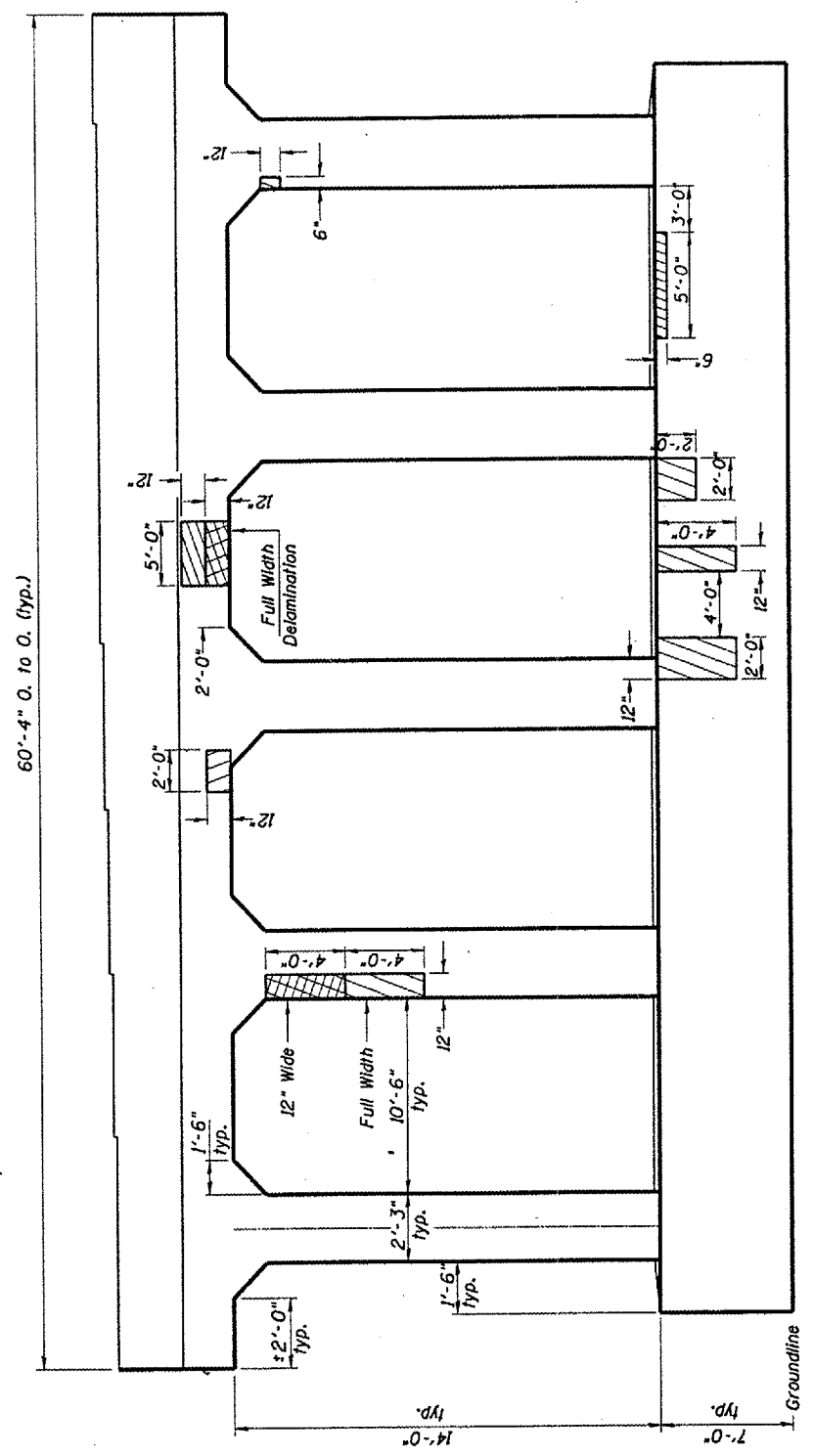
ILLINOIS DEPARTMENT OF TRANSPORTATION

STRUCTURAL REPAIR DETAILS

SCALE: VERT. DATE 06-16-2005

DRAWN BY CEJ CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	20	13
STA. 211+60.95		TO STA. 219+27.65		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		
• D4 Bridge Repair 2007-2				

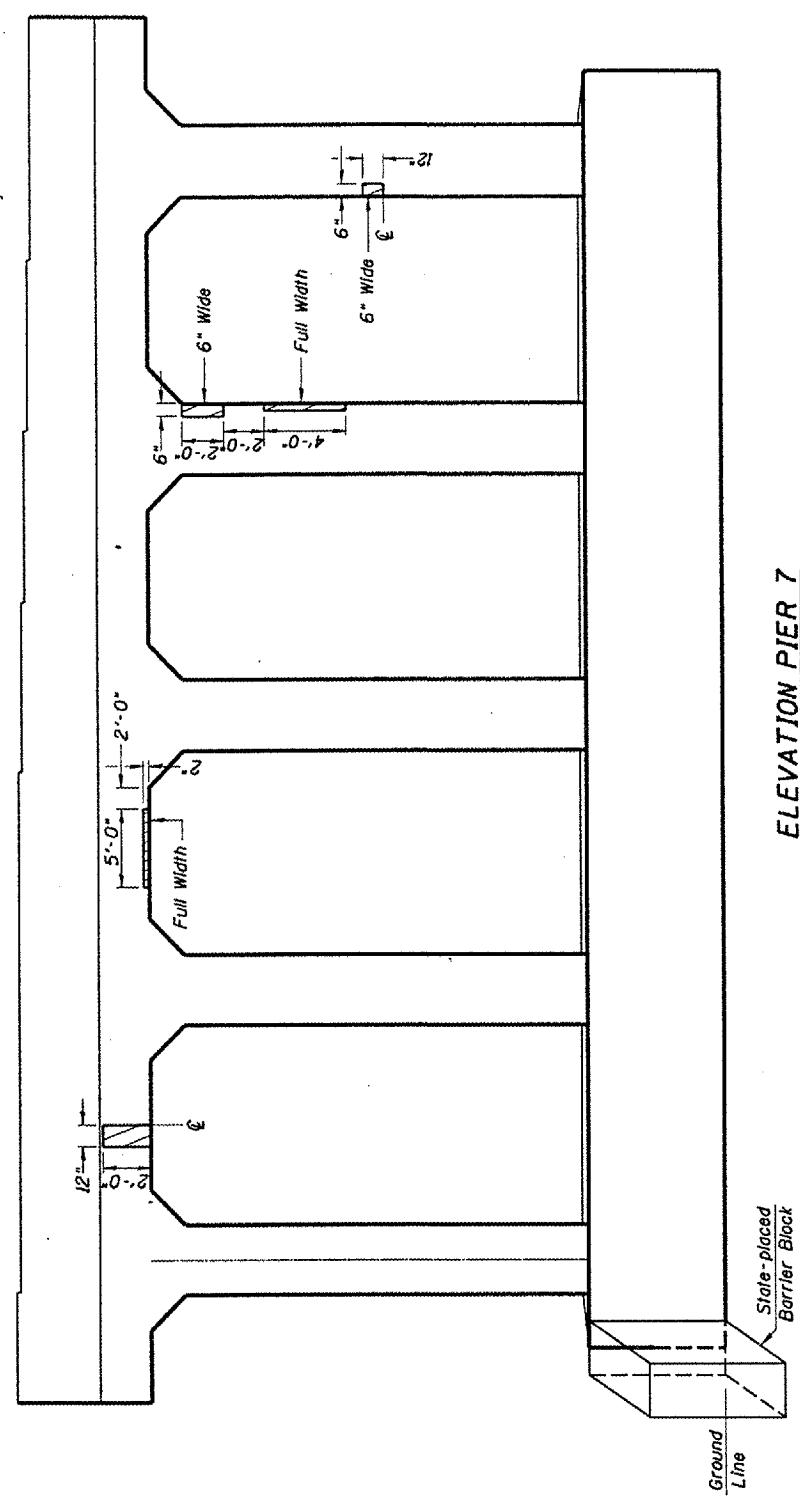


ELEVATION PIER 7
(Looking West)

ESTIMATED QUANTITIES

Structural Repair of Concrete \leq 5"
 Structural Repair of Concrete $>$ 5"

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (\leq 5")	SO.FT.	9.5
Structural Repair of Concrete ($>$ 5")	SO.FT.	34



ELEVATION PIER 7
(Looking East)

Structural Repair of Concrete \leq 5"
 Structural Repair of Concrete $>$ 5"

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (\leq 5")	SO.FT.	3.7
Structural Repair of Concrete ($>$ 5")	SO.FT.	21

PLOT DATE
 DATE
 PLOT SCALE
 REFERENCE

REVISIONS	
NAME	DATE

SN.072-0012 Adams St. over Clark St. & B.N.R.R.

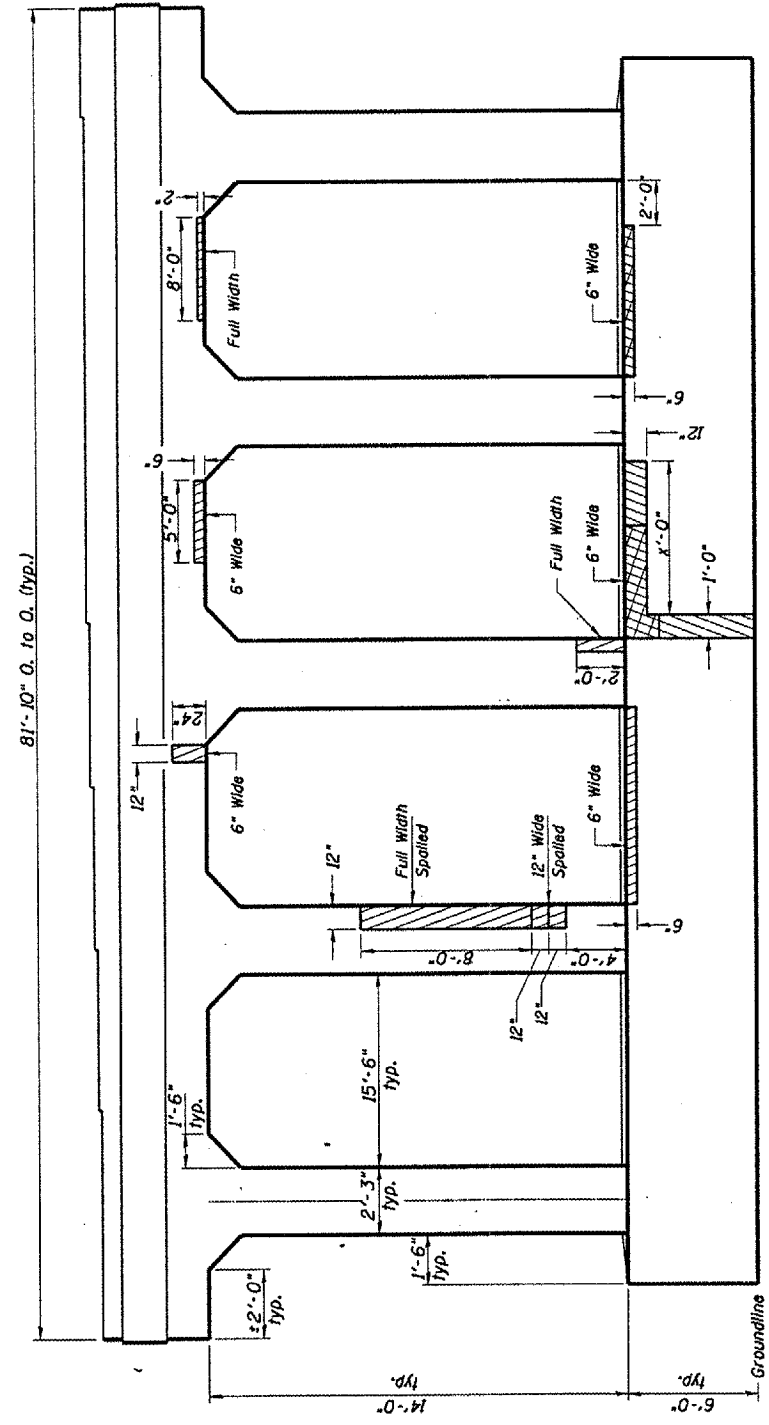
ILLINOIS DEPARTMENT OF TRANSPORTATION

STRUCTURAL REPAIR DETAILS

SCALE: VERT. _____
 HORIZ. _____
 DATE 06-16-2005

DRAWN BY CEJ
 CHECKED BY _____

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	20	15
STA. 211+60.95		TO STA. 219+27.65		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
* 04 Bridge Repair 2007-2				



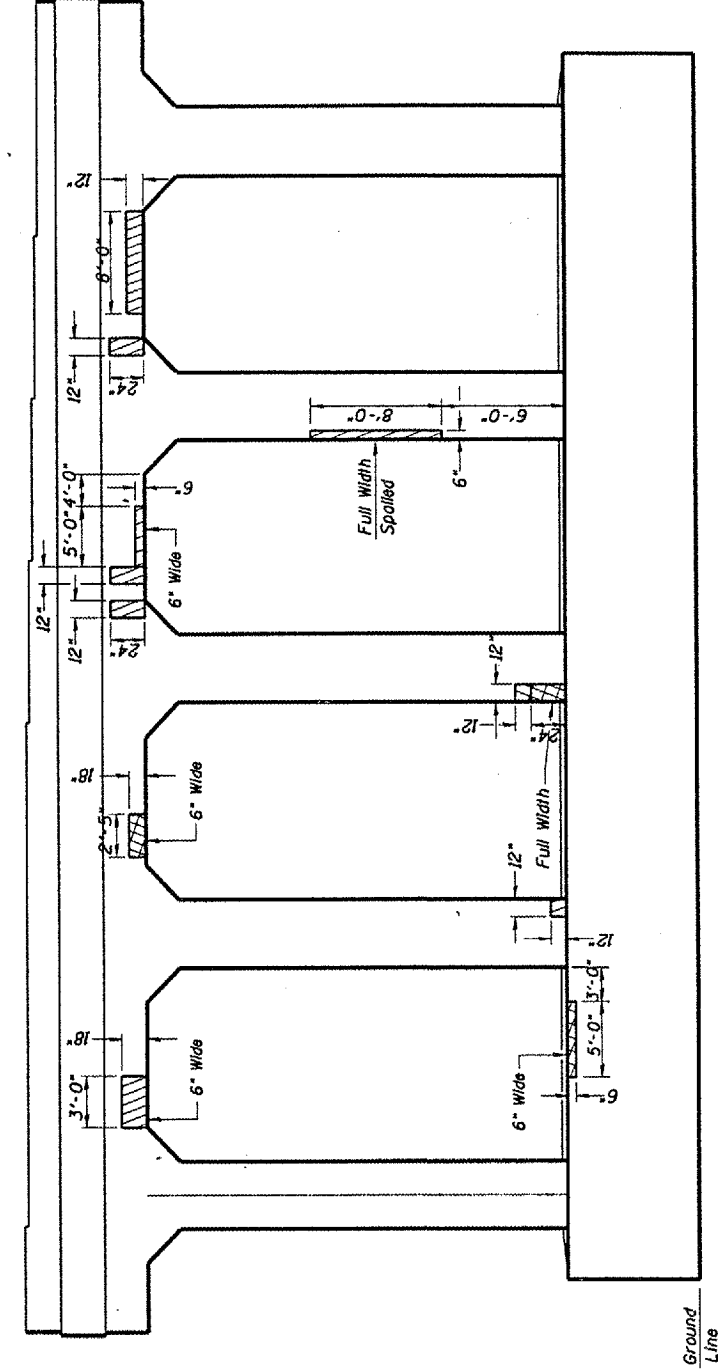
ELEVATION PIER 9
(Looking West)

ESTIMATED QUANTITIES

Structural Repair of Concrete $\leq 5'$
 Structural Repair of Concrete $> 5'$

ITEM	UNIT	QUANTITY
Structural Repair of Concrete ($\leq 5'$)	SO.FT.	10.7
Structural Repair of Concrete ($> 5'$)	SO.FT.	60.6

NOTE
Railroad Tracks between Piers 9 and 10 will require Railroad Engineer presence during all work performed at this location.



ELEVATION PIER 9
(Looking East)

Structural Repair of Concrete $\leq 5'$
 Structural Repair of Concrete $> 5'$

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete ($\leq 5'$)	SO.FT.	8.7
Structural Repair of Concrete ($> 5'$)	SO.FT.	49.5

PLOT DATE
 PLOT SCALE
 PLOT NAME
 REFERENCE

REVISIONS	
NAME	DATE

SN.072-0012 Adams St. over Clark St. & B.N.R.R.

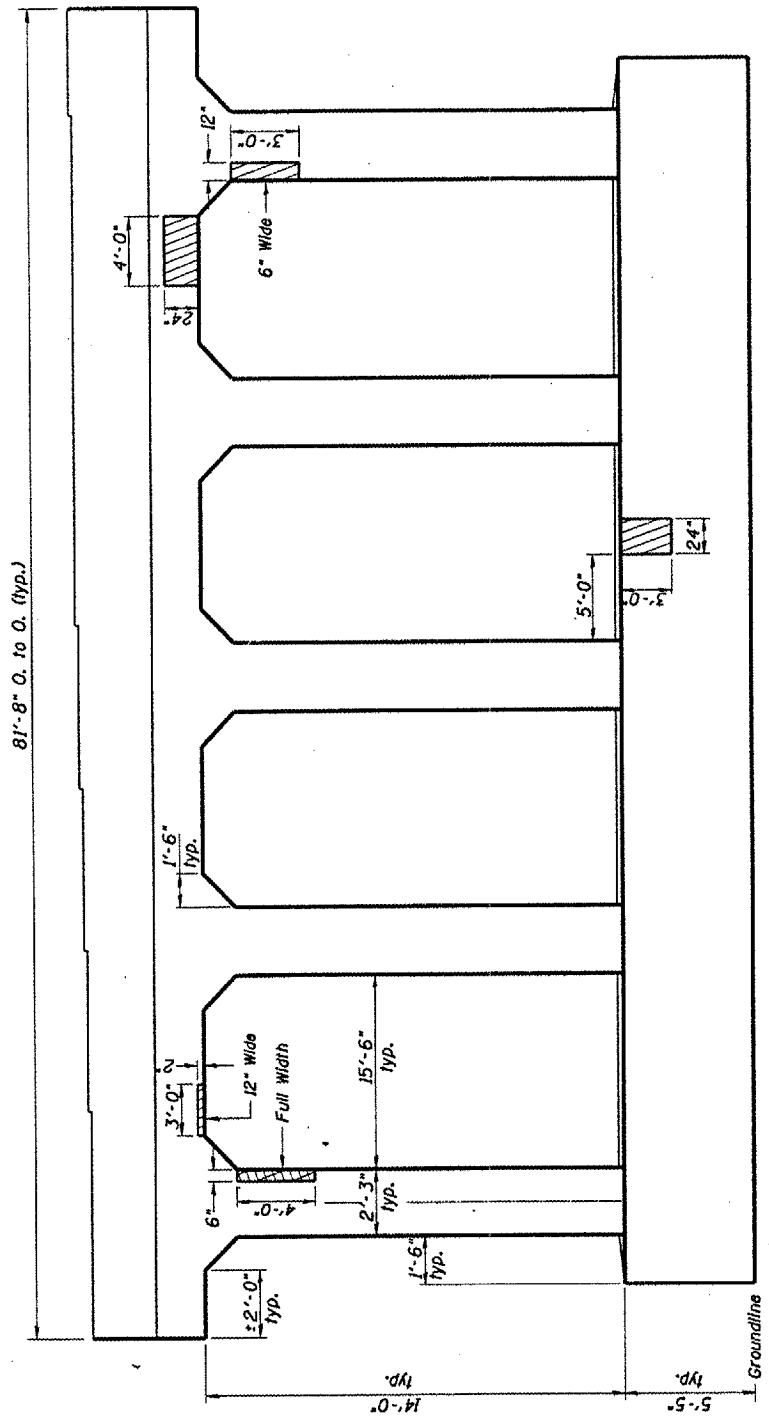
ILLINOIS DEPARTMENT OF TRANSPORTATION

STRUCTURAL REPAIR DETAILS

SCALE: VERT. DATE 06-16-2005
 HORIZ. DATE 06-16-2005

DRAWN BY CEJ
 CHECKED BY

F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	20	16
STA. 211+60.95		TO STA. 219+27.65		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
* 04 Bridge Repair 2007-2				



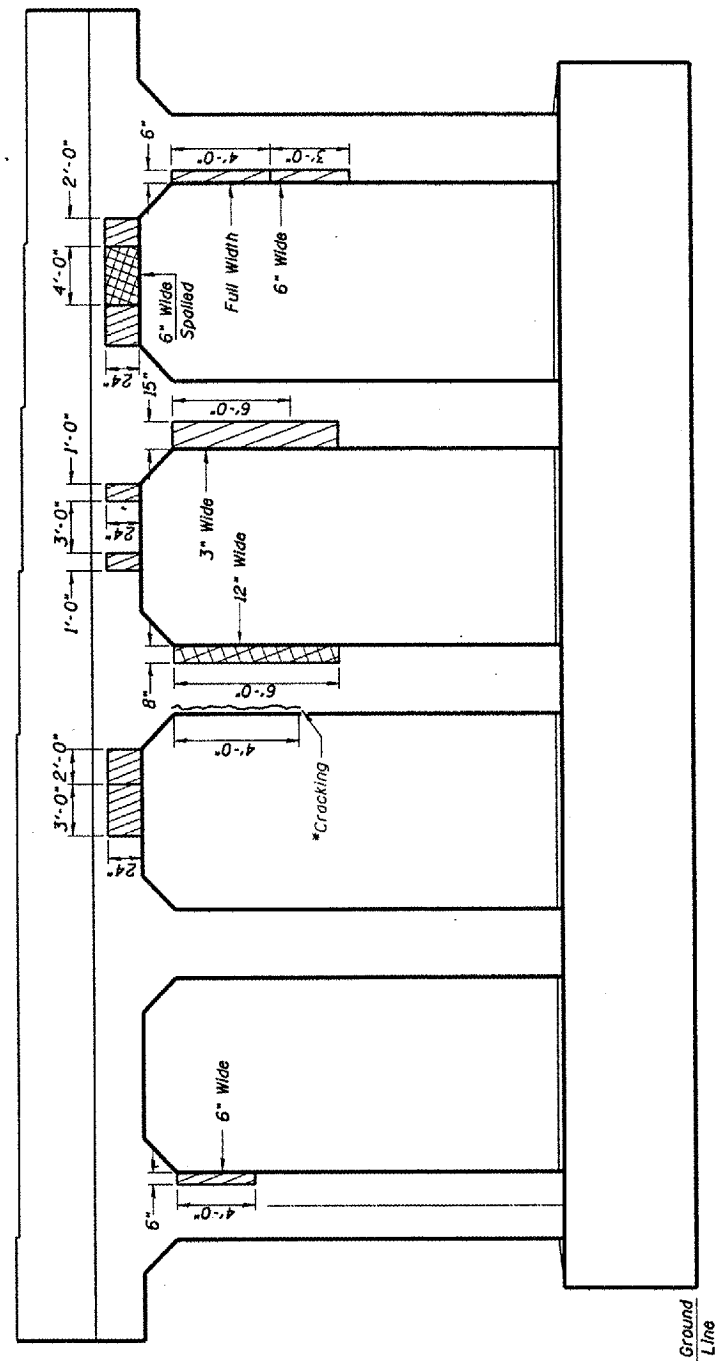
ELEVATION PIER 10
(Looking West)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (DS)	SO. FT.	4.4
Structural Repair of Concrete (CS)	SO. FT.	24.6

Structural Repair of Concrete $\leq 5'$
 Structural Repair of Concrete > 5'

NOTE
Railroad Tracks between Piers 9 and 10 will require Railroad Engineer presence during all work performed at this location.



ELEVATION PIER 10
(Looking East)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (DS)	SO. FT.	11
Structural Repair of Concrete (CS)	SO. FT.	62.5

Structural Repair of Concrete $\leq 5'$
 Structural Repair of Concrete > 5'

***NOTE**
Cracked area needs loose material hammered away and repaired according to "Structural Repair of Concrete".

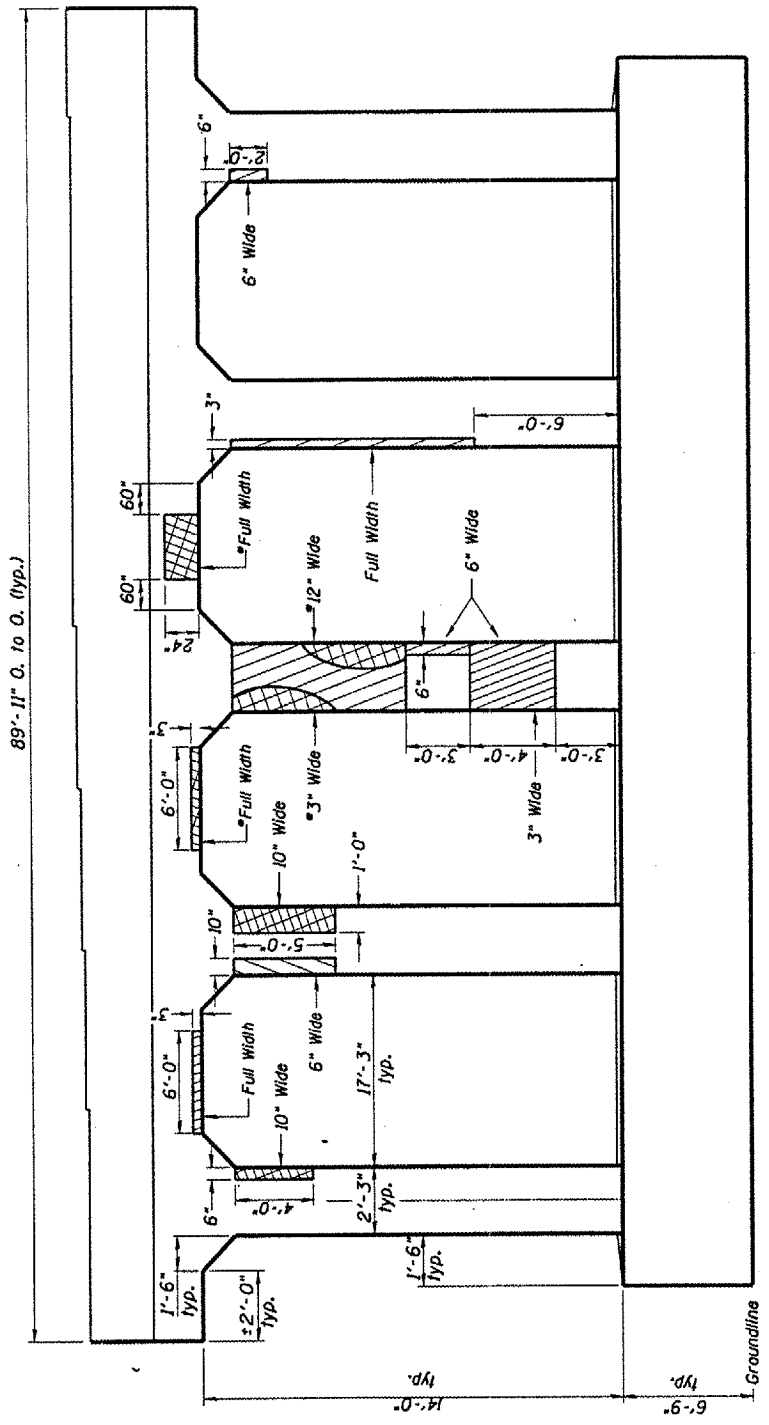
PLOT DATE
 PLOT SCALE
 PLOT SCALE
 REFERENCE

REVISIONS	
NAME	DATE

SN.072-0012 Adams St. over Clark St. & B.N.R.R.

ILLINOIS DEPARTMENT OF TRANSPORTATION
STRUCTURAL REPAIR DETAILS
 VERT. SCALE: 1" = 4'-0"
 HORIZ. SCALE: 1" = 10'-0"
 DATE: 06-16-2005
 DRAWN BY: CEJ
 CHECKED BY: _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	20	17
STA. 211+60.95		TO STA. 219+27.65		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
* D4 Bridge Repair 2007-2				



ELEVATION PIER II
(Looking West)

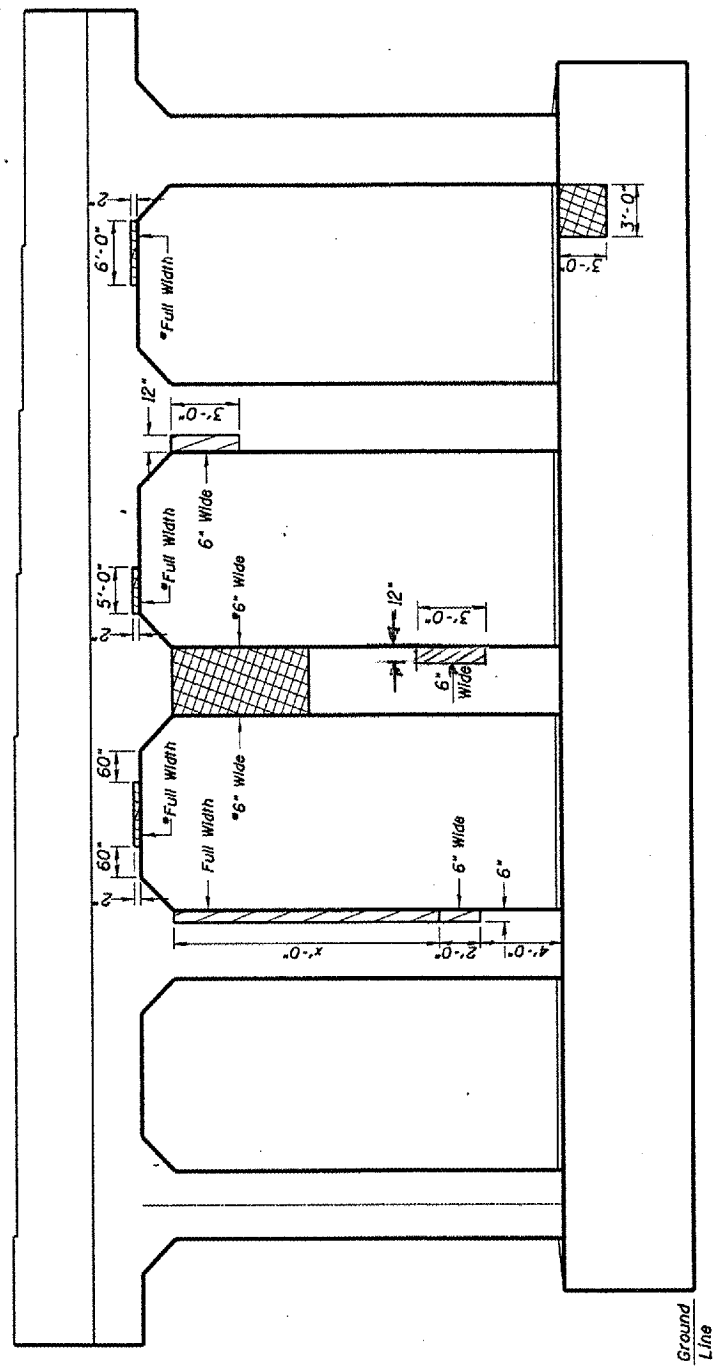
ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (<5')	SO.FT.	18.6
Structural Repair of Concrete (>5')	SO.FT.	103.4

Structural Repair of Concrete < 5'
 Structural Repair of Concrete > 5'

NOTE
Railroad Track between Piers 11 and 12 will require Railroad Engineer presence during all work performed at this location.

PLOT DATE
 FILE NAME
 PLOT SCALE
 REFERENCE



ELEVATION PIER II
(Looking East)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (<5')	SO.FT.	14.5
Structural Repair of Concrete (>5')	SO.FT.	81.9

Structural Repair of Concrete < 5'
 Structural Repair of Concrete > 5'

* Temporary shoring and cribbing is required during repairs at this location.

BEAM REACTIONS AT PIER II

R ₁₀ (K)	67.9
R ₁₁ (K)	49.2
T _{imp} (K)	13.2
R _{total} (K)	130.3

SN.072-0012 Adams St. over Clark St. & B.N.R.R.

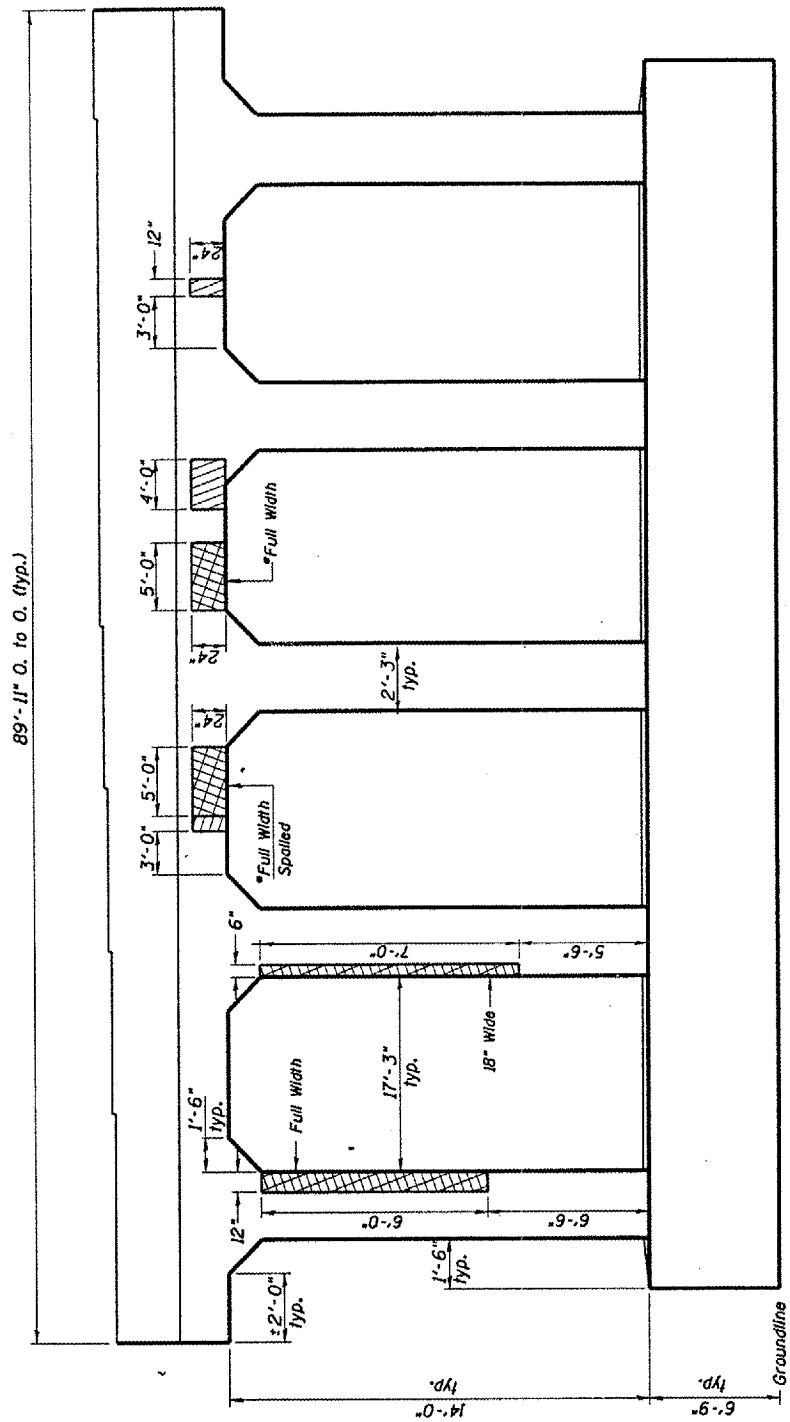
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STRUCTURAL REPAIR DETAILS

SCALE: VERT. DRAWN BY CEJ
 HORIZ. CHECKED BY
 DATE 06-16-2005

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	20	18
STA. 211+60.95		TO STA. 219+27.65		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
* 04 Bridge Repair 2007-2				



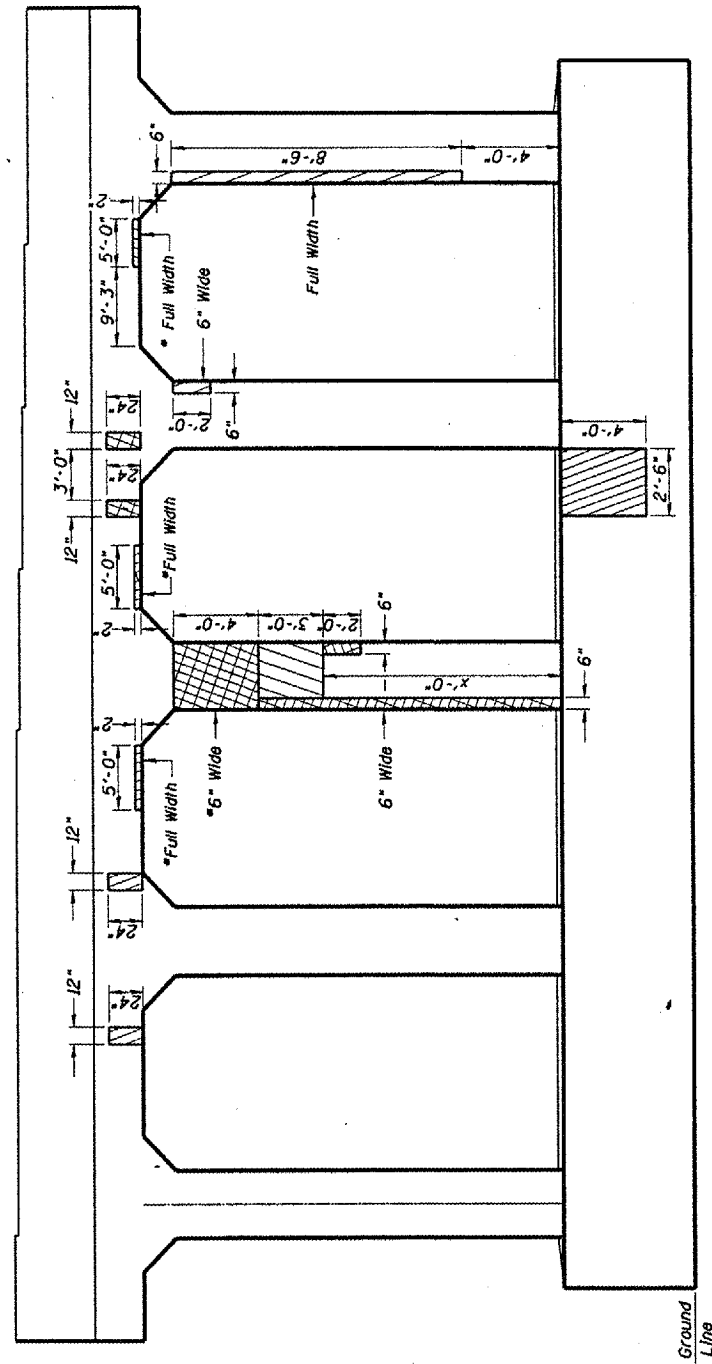
ELEVATION PIER 12
(Looking West)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (<5')	SO. FT.	21.2
Structural Repair of Concrete (>5')	SO. FT.	120

▨ Structural Repair of Concrete < 5'
▩ Structural Repair of Concrete > 5'

NOTE
Railroad Tract between Piers 11 and 12 will require Railroad Engineer presence during all work performed at this location.



ELEVATION PIER 12
(Looking East)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (<5')	SO. FT.	15
Structural Repair of Concrete (>5')	SO. FT.	85.5

▨ Structural Repair of Concrete < 5'
▩ Structural Repair of Concrete > 5'

* Temporary shoring and cribbing is required during repairs at this location.

BEAM REACTIONS AT PIER 12

R _{1L} (K)	77.2
R _{1R} (K)	48.4
T _{1D} (K)	13.4
E _{1T} (K)	139.0

SN.072-0012 Adams St. over Clark St. & B.N.R.R.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

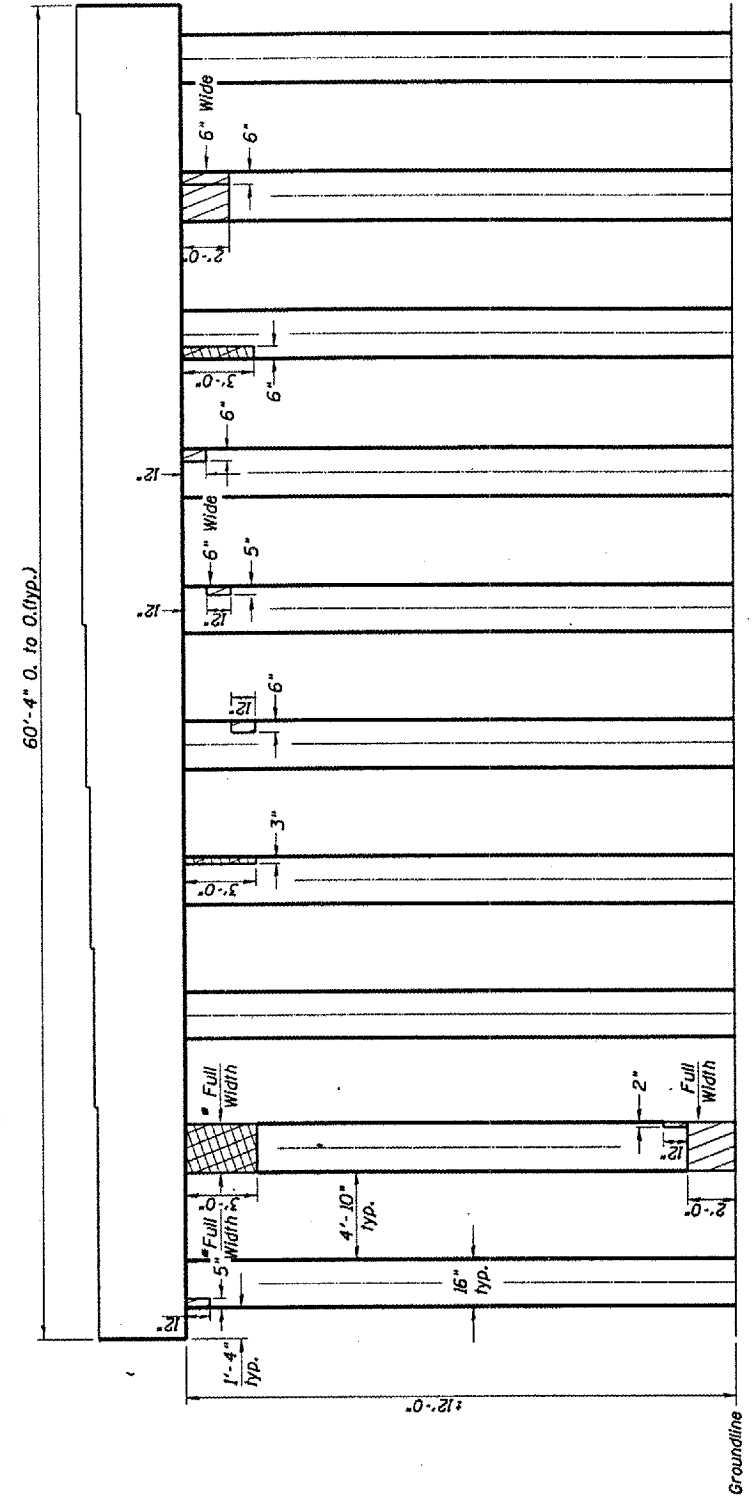
STRUCTURAL REPAIR DETAILS

SCALE: VERT. DATE 06-16-2005

DRAWN BY CEJ CHECKED BY

PLOT DATE: 06/16/05
FILE NAME: 061605
DRAWN BY: CEJ
CHECKED BY: [blank]
DATE: 06/16/05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	20	20
STA. 211+60.95		TO STA. 219+27.65		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		
* 04 Bridge Repair 2007-2				



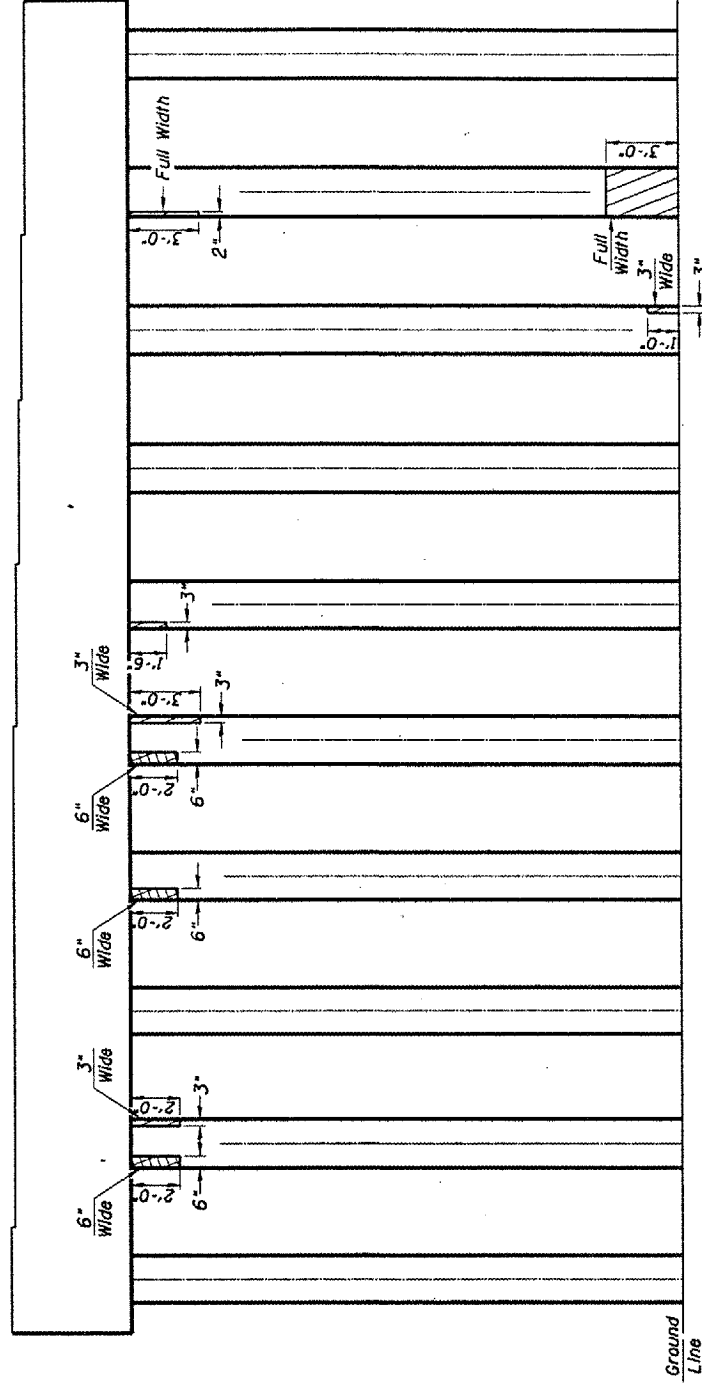
ELEVATION PIER 14
(Looking West)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete ($\leq 5''$)	SQ.FT.	5.6
Structural Repair of Concrete ($> 5''$)	SQ.FT.	31.6

Structural Repair of Concrete $\leq 5''$
 Structural Repair of Concrete $> 5''$

PLOT DATE * DATES
 FILE NAME * FILES
 REFERENCE * SHEETS



ELEVATION PIER 14
(Looking East)

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Structural Repair of Concrete ($\leq 5''$)	SQ.FT.	4.3
Structural Repair of Concrete ($> 5''$)	SQ.FT.	24

Structural Repair of Concrete $\leq 5''$
 Structural Repair of Concrete $> 5''$

* Temporary shoring and cribbing is required during repairs at this location.

BEAM REACTIONS AT PIER 14

	W. BRG.	E. BRG.
R ₀ (K)	30.0	35.2
R ₁ (K)	40.0	41.7
Imp (K)	11.5	11.4
R _{Total} (K)	81.5	88.3

SN.072-0012 Adams St. over Clark St. & B.N.R.R.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STRUCTURAL REPAIR DETAILS

REVISIONS	
NAME	DATE

SCALE: VERT. HORIZ. DATE 06-16-2005

DRAWN BY CEJ CHECKED BY