

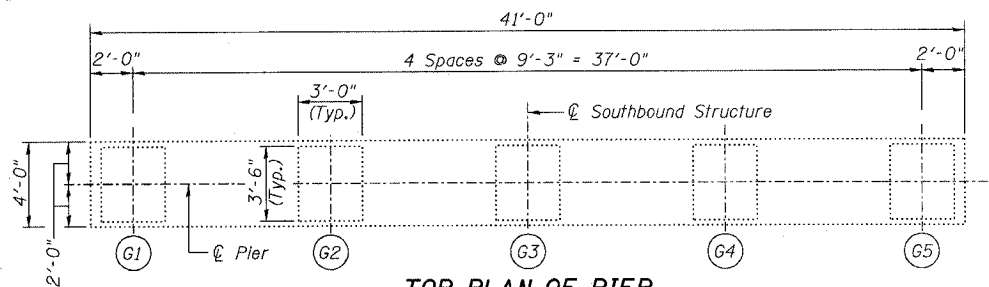
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
F.A.I. 39	50-4B	LASALLE	301	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

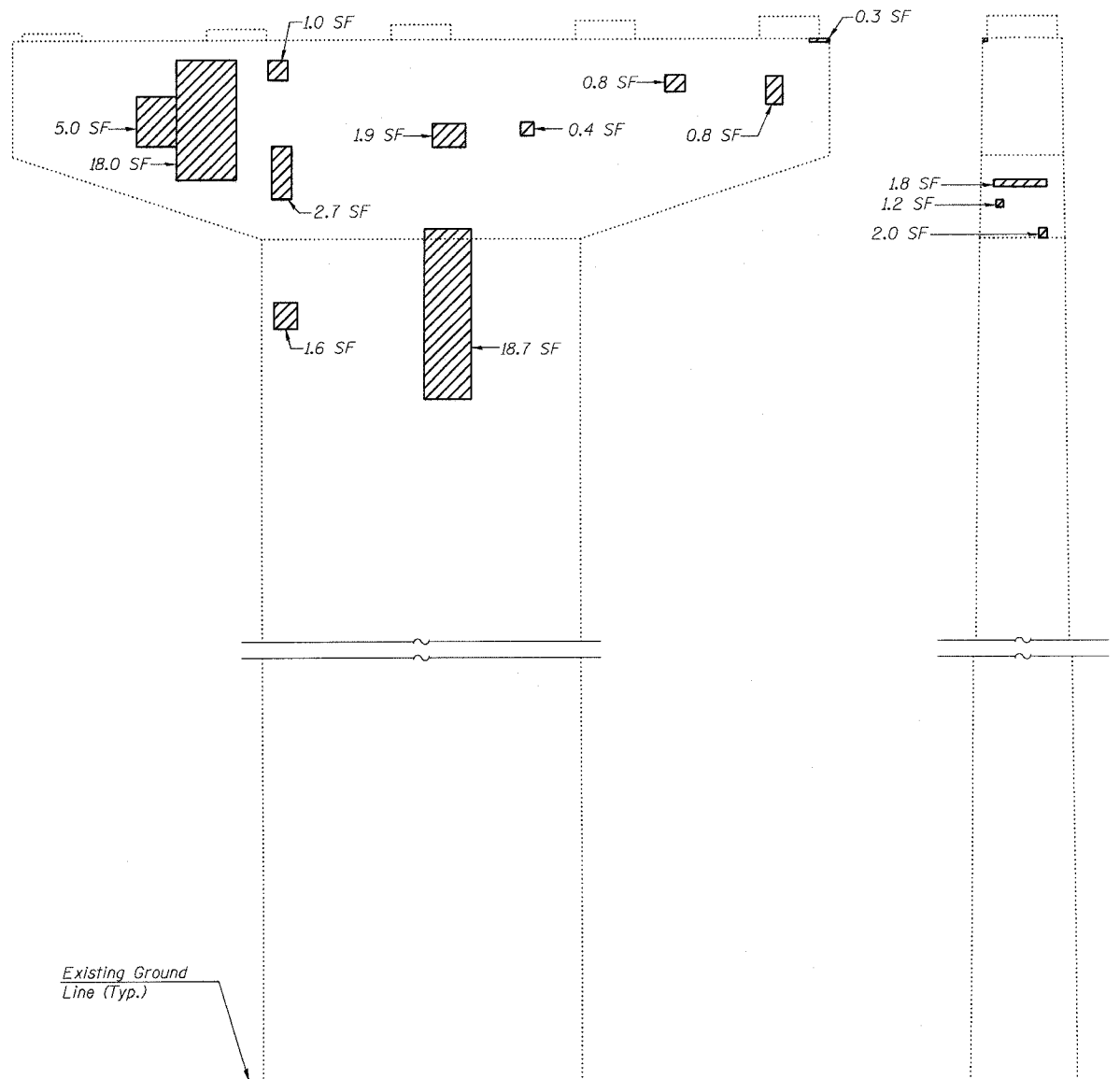
Contract # 66586

**NOTES:**

- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.
- See Sheet 280 for rehabilitation of concrete pedestals.

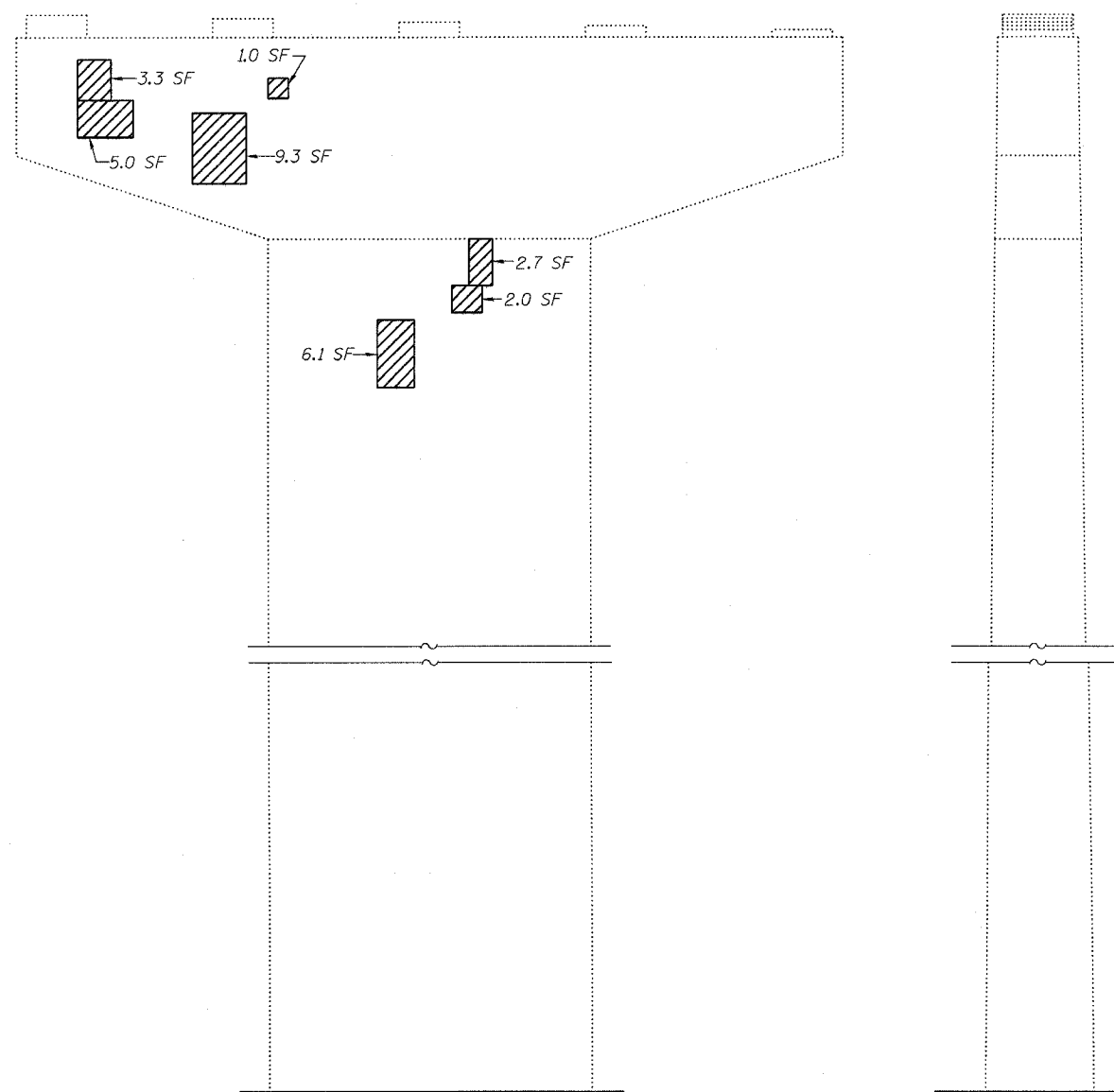


**TOP PLAN OF PIER**



**ELEVATION**  
(Looking North)

**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)

**END VIEW**  
(Looking East)

Existing Ground Line (Typ.)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	85.6

DESIGNED	ADB
CHECKED	DLS
DRAWN	KHH
CHECKED	MTH

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210 W. Chestnut  
Chattman, Illinois 62629  
(217) 483-4168  
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Chicago, Illinois 60601  
312-565-0450  
Job # 3856

**PIER REPAIR - PIER 28 SB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

x:\3800s\3855\structures\abe lincoln memorial\final\plans\From\_Lin\Pier\_Repair\_VP28\_SB.sht

10/04/38 AM

8/30/2006

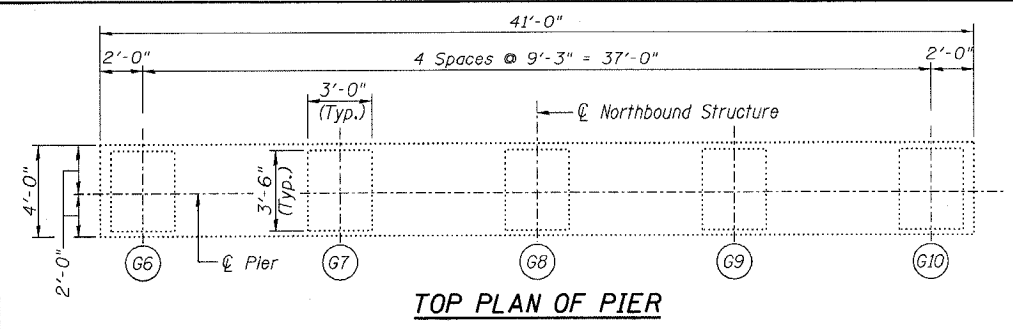
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE		302	279
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

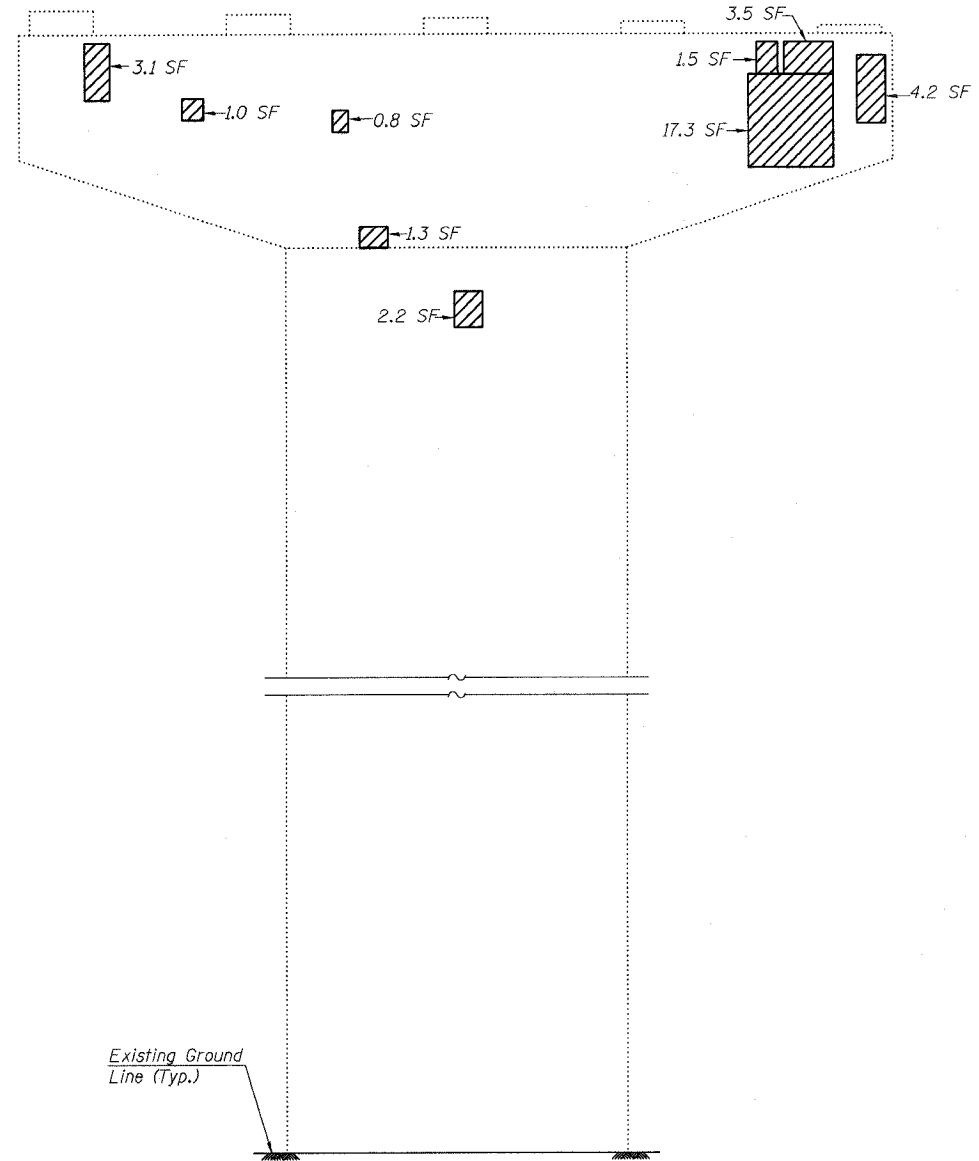
Contract # 66586

**NOTES:**

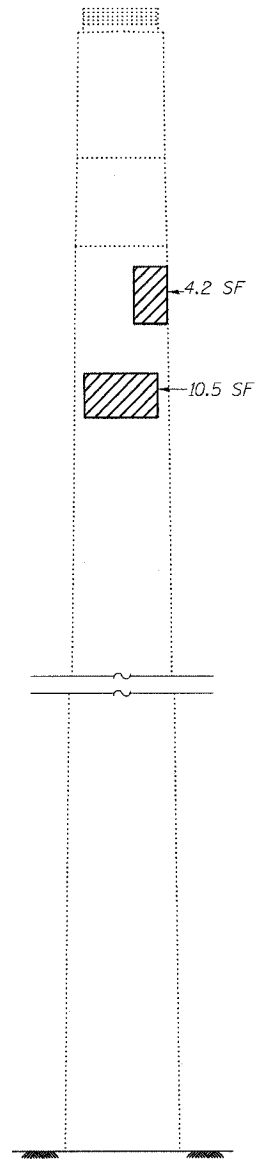
- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.
- See Sheet 281 for rehabilitation of concrete pedestals.



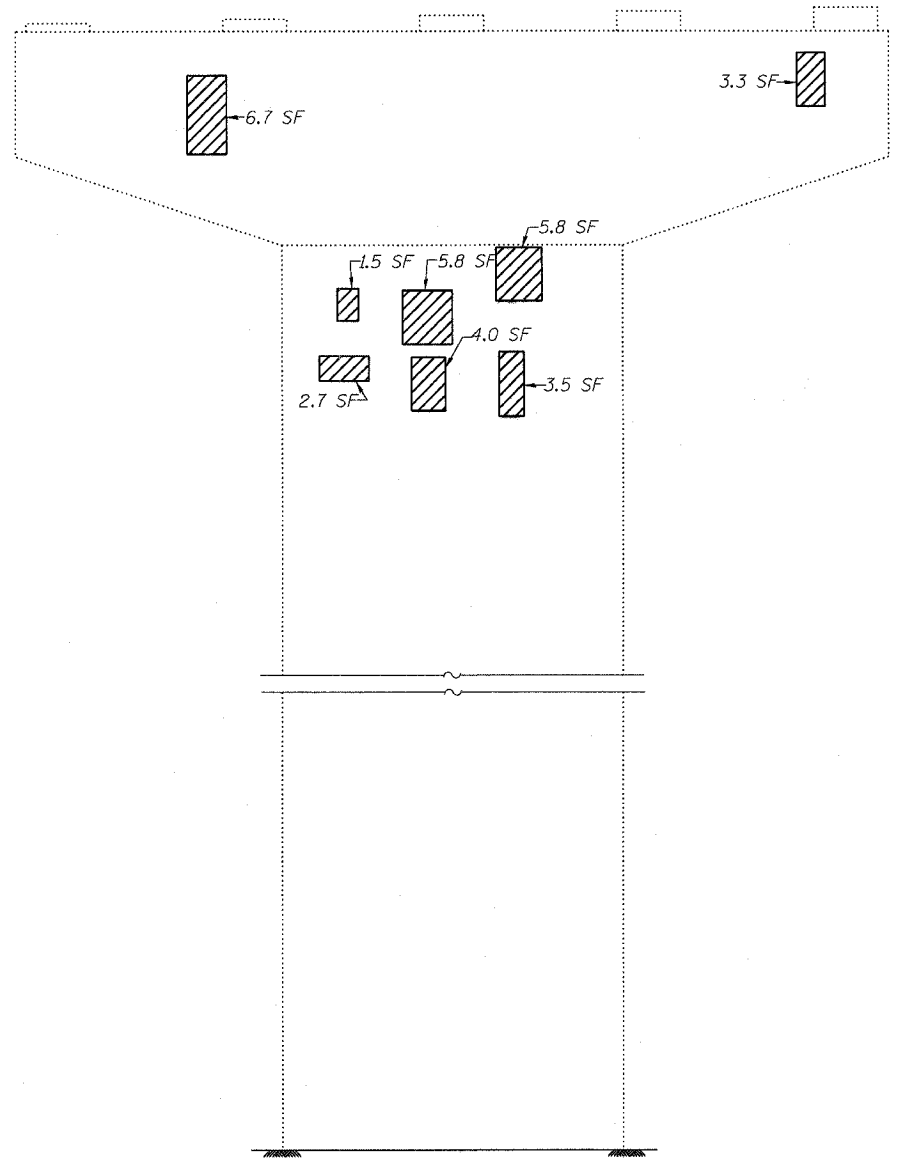
**TOP PLAN OF PIER**



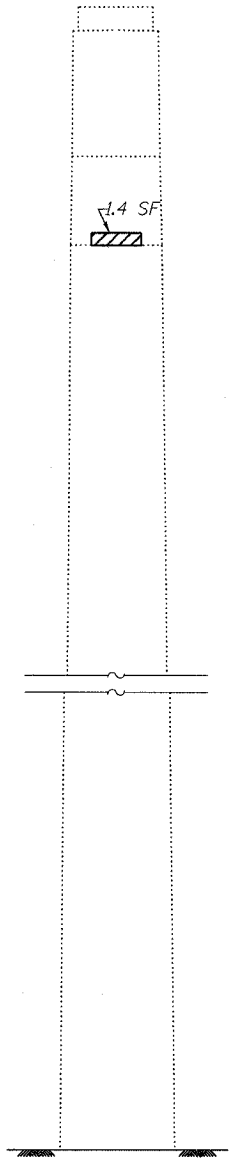
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

Existing Ground Line (Typ.)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	84.3

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

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210 W. Chestnut  
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(217) 483-4168  
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Chicago, Illinois 60601  
312-665-0450  
Job # 3856

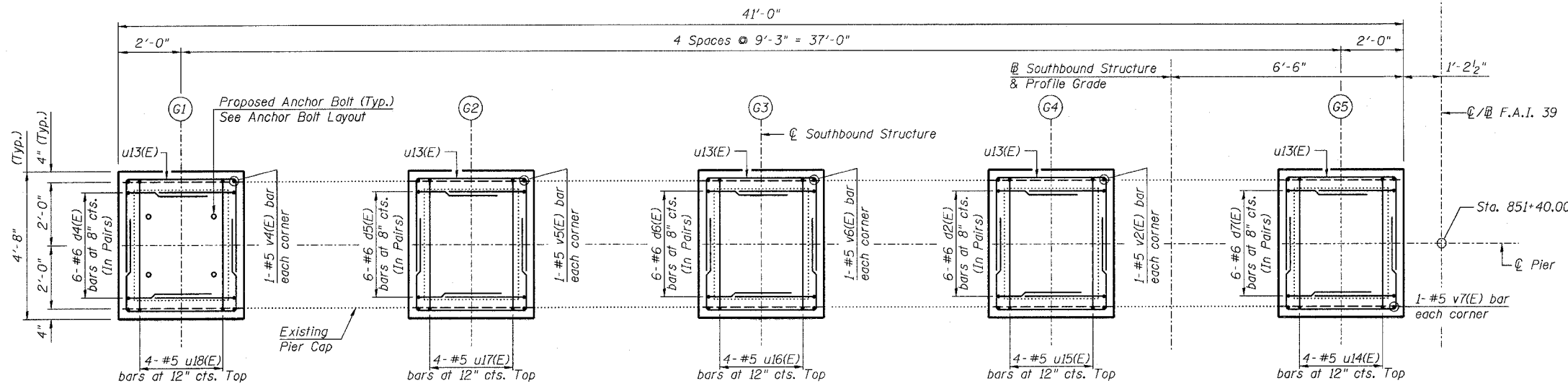
**PIER REPAIR - PIER 28 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

x:\3800s\3856\structures\lincoln\_memorial\final\plans\From\_Lin\Pier\_Repair\VP28\_NB.sht 10:04:36 AM 8/30/2006

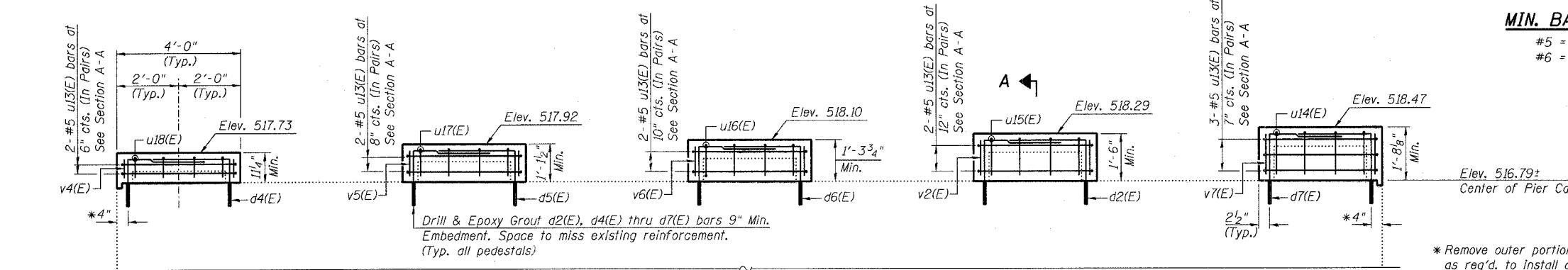
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	303	303	280
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			313 SHEETS

Contract # 66586



TOP PLAN OF PIER

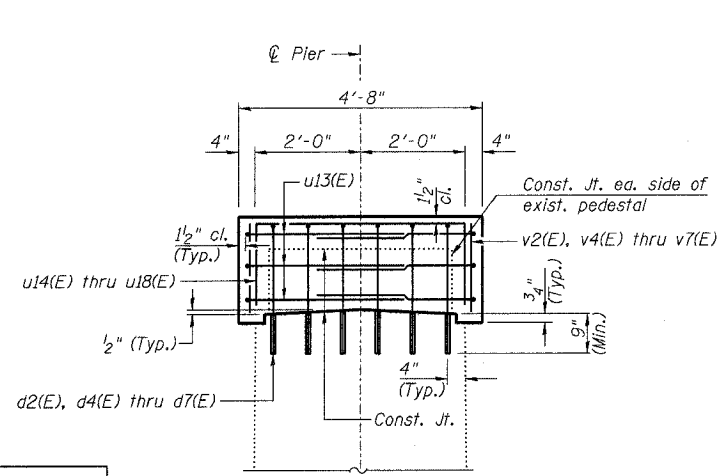


ELEVATION  
(Looking North)

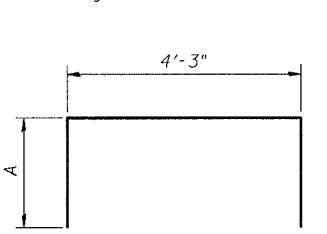
MIN. BAR LAP

#5 = 2'-2"  
#6 = 2'-7"

\* Remove outer portion of exist. pedestals as req'd. to install d4(E) and d7(E) bars

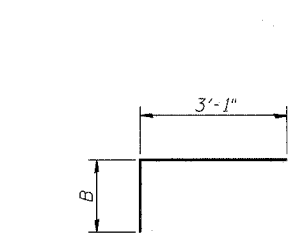


SECTION A-A



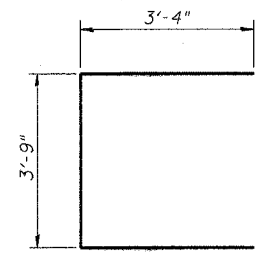
BARS u14(E) thru u18(E)

Bar	A
u14(E)	1'-5"
u15(E)	1'-3"
u16(E)	1'-1"
u17(E)	11"
u18(E)	8"

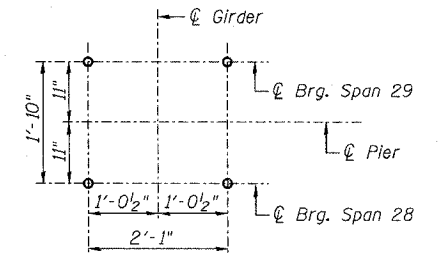


BARS d2(E), d4(E) thru d7(E)

Bar	B
d2(E)	2'-2"
d4(E)	1'-7"
d5(E)	1'-9"
d6(E)	1'-11"
d7(E)	2'-4"



BAR u13(E)



ANCHOR BOLT LAYOUT  
(Typ. each pedestal)

PIER 28 SB  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d2(E)	12	#6	5'-3"	┌
d4(E)	12	#6	4'-8"	┌
d5(E)	12	#6	4'-10"	┌
d6(E)	12	#6	5'-0"	┌
d7(E)	12	#6	5'-5"	┌
u13(E)	22	#5	10'-5"	▬
u14(E)	4	#5	7'-1"	▬
u15(E)	4	#5	6'-9"	▬
u16(E)	4	#5	6'-5"	▬
u17(E)	4	#5	6'-1"	▬
u18(E)	4	#5	5'-7"	▬
v2(E)	4	#5	1'-4"	▬
v4(E)	4	#5	0'-9"	▬
v5(E)	4	#5	0'-11"	▬
v6(E)	4	#5	1'-2"	▬
v7(E)	4	#5	1'-6"	▬
Concrete Structures		Cu. Yd.	3.9	
Reinforcement Bars, Epoxy Coated		Pound	850	
Bridge Seat Sealer		Sq. Ft.	311	
Concrete Removal		Cu. Yd.	0.7	

Reinforcement Bars designated (E) shall be epoxy coated.

NOTES:

1. Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
2. Space pedestal reinforcement to miss proposed anchor bolts.
3. See Sheet 19 for removal details.
4. See Sheet 215 for bearing details.

PEDESTAL REHAB. - PIER 28 SB  
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER  
THE ILLINOIS RIVER (PUBLIC WATERS)  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)

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312-865-0480  
Job # 3856

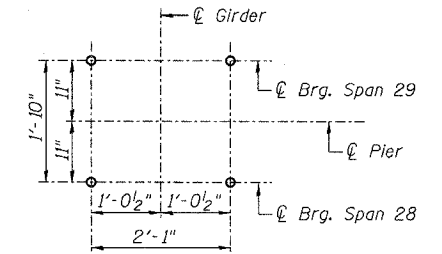
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DESIGNED - DLS
CHECKED - STD
DRAWN - SGL
CHECKED - MTH

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 281
F.A.I. 39	50-4B	LASALLE	304		313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract # 66586



**ANCHOR BOLT LAYOUT**  
(Typ. each pedestal)

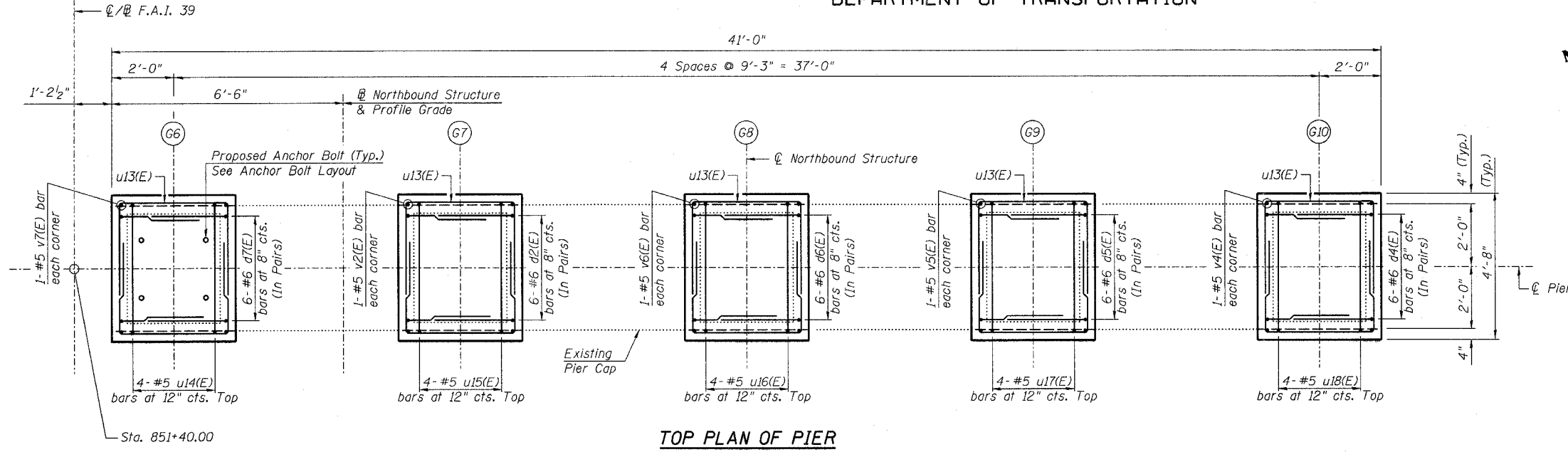
**PIER 28 NB  
BILL OF MATERIAL**

Bar No.	Size	Length	Shape
d2(E)	12 #6	5'-3"	┌
d4(E)	12 #6	4'-8"	┌
d5(E)	12 #6	4'-10"	┌
d6(E)	12 #6	5'-0"	┌
d7(E)	12 #6	5'-5"	┌
u13(E)	22 #5	10'-5"	▬
u14(E)	4 #5	7'-1"	▬
u15(E)	4 #5	6'-9"	▬
u16(E)	4 #5	6'-5"	▬
u17(E)	4 #5	6'-1"	▬
u18(E)	4 #5	5'-7"	▬
v2(E)	4 #5	1'-4"	▬
v4(E)	4 #5	0'-9"	▬
v5(E)	4 #5	0'-11"	▬
v6(E)	4 #5	1'-2"	▬
v7(E)	4 #5	1'-6"	▬
Concrete Structures	Cu. Yd.	3.9	
Reinforcement Bars, Epoxy Coated	Pound	850	
Bridge Seat Sealer	Sq. Ft.	311	
Concrete Removal	Cu. Yd.	0.7	

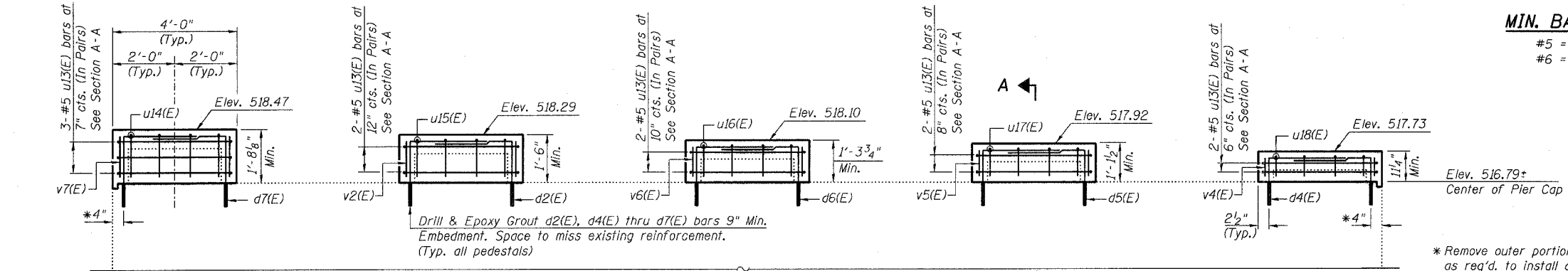
Reinforcement Bars designated (E) shall be epoxy coated.

**NOTES:**

- Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
- Space pedestal reinforcement to miss proposed anchor bolts.
- See Sheet 19 for removal details.
- See Sheet 215 for bearing details.

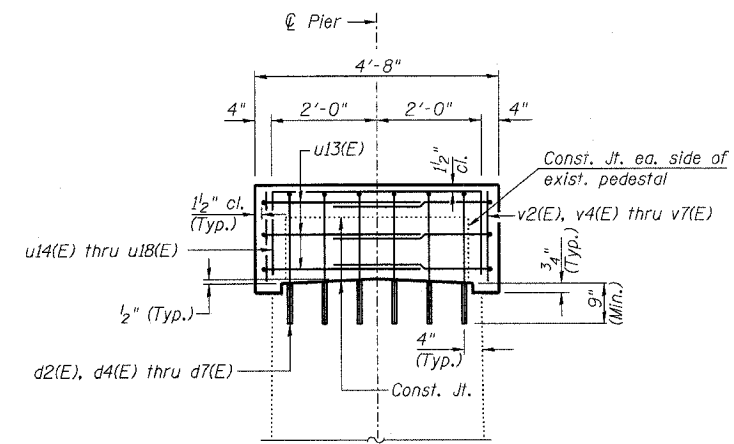


**TOP PLAN OF PIER**

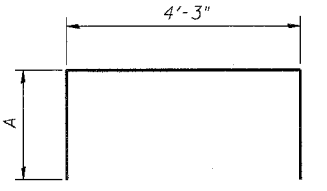


**ELEVATION (Looking North)**

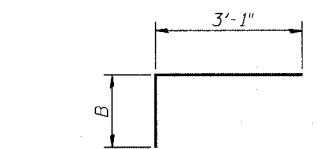
**MIN. BAR LAP**  
#5 = 2'-2"  
#6 = 2'-7"



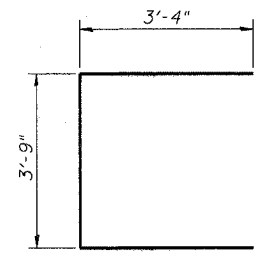
**SECTION A-A**



Bar	A
u14(E)	1'-5"
u15(E)	1'-3"
u16(E)	1'-1"
u17(E)	11"
u18(E)	8"



Bar	B
d2(E)	2'-2"
d4(E)	1'-7"
d5(E)	1'-9"
d6(E)	1'-11"
d7(E)	2'-4"



DESIGNED - DLS
CHECKED - STD
DRAWN - SGL
CHECKED - MTH

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210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4668  
FAX (217) 483-4706

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Engineers - Surveyors - Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-665-0450  
Job # 3856

**PEDESTAL REHAB. - PIER 28 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)

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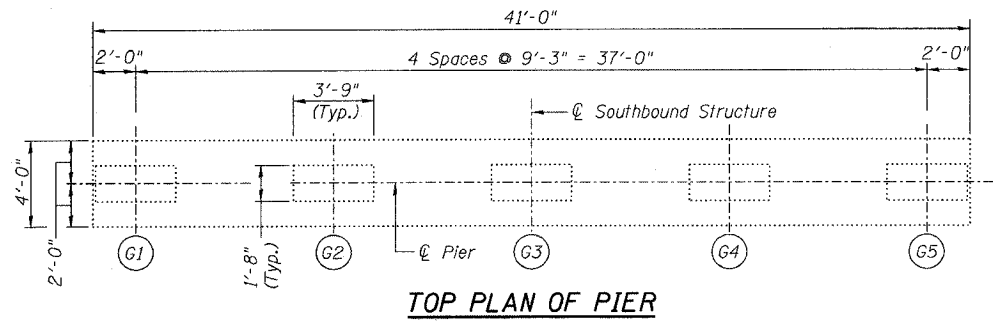
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	306	282
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	313 SHEETS

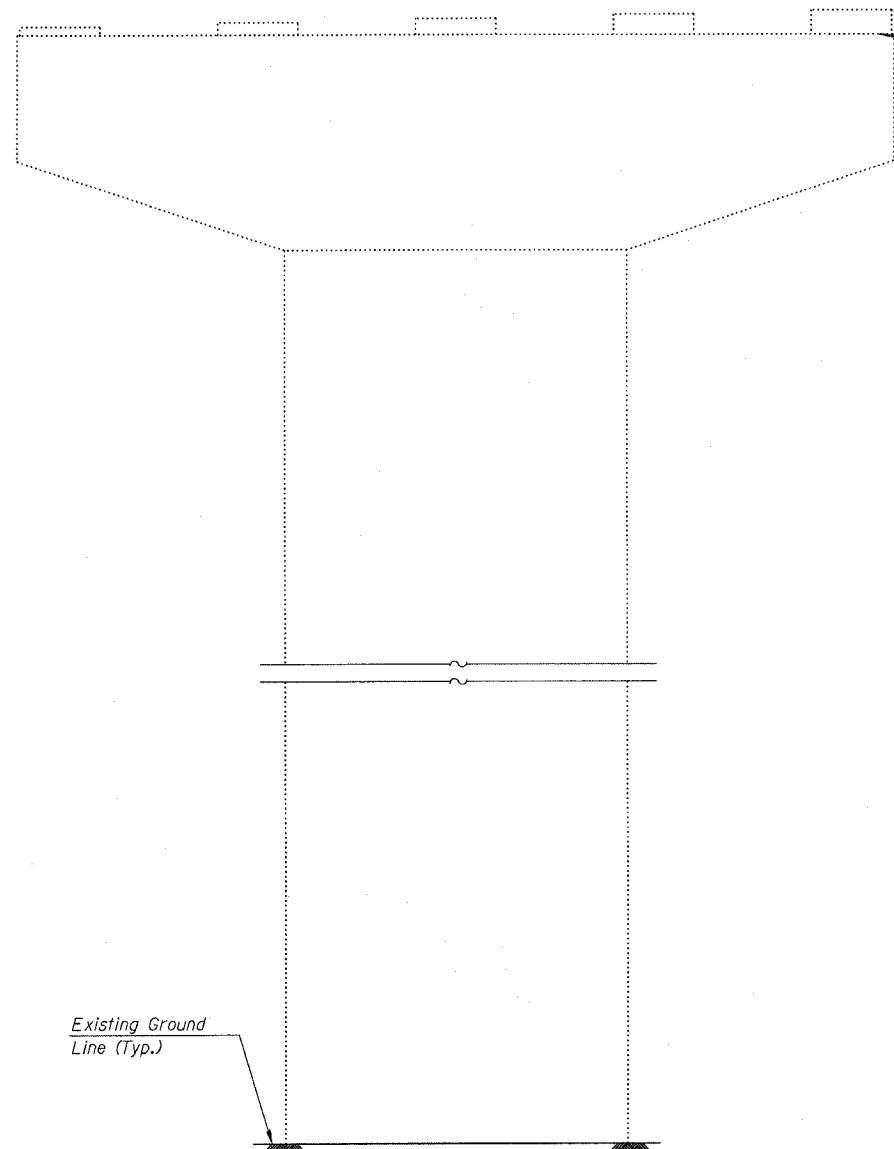
Contract # 66586

**NOTES:**

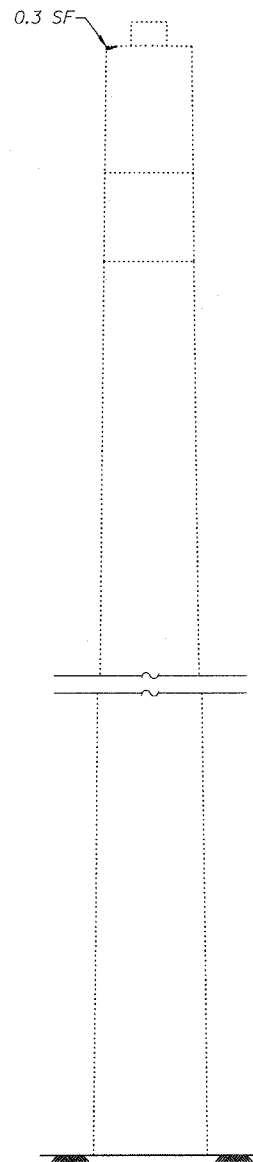
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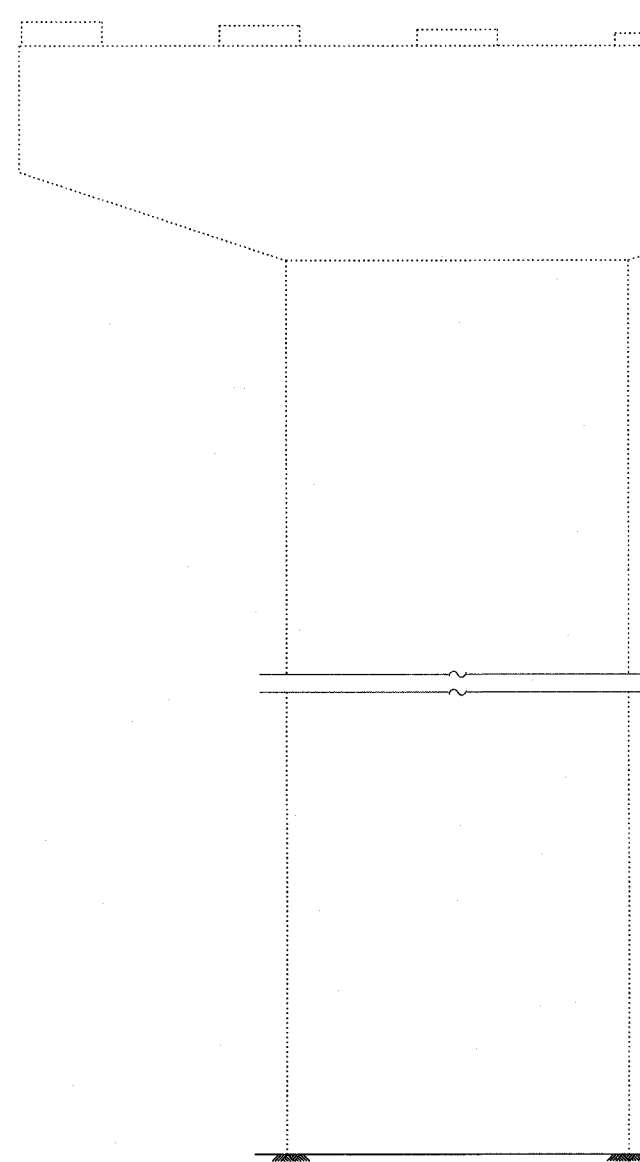
**TOP PLAN OF PIER**



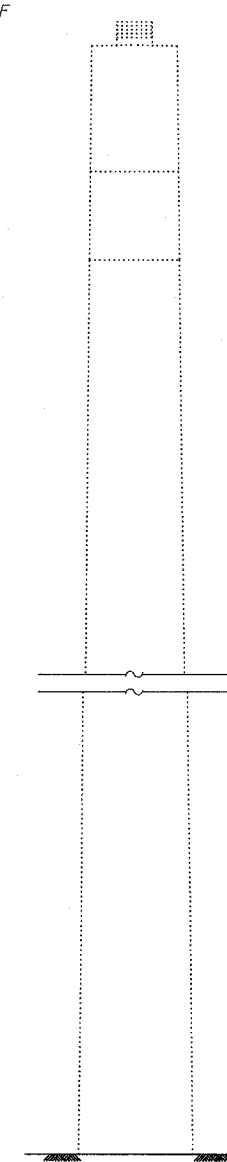
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

Existing Ground Line (Typ.)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	0.4

DESIGNED	ADB
CHECKED	DLS
DRAWN	KHH
CHECKED	MTH

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(217) 483-4168  
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Chicago, Illinois 60601  
312-525-0450  
Job # 3856

**PIER REPAIR - PIER 29 SB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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10/04/27 AM

8/30/2006

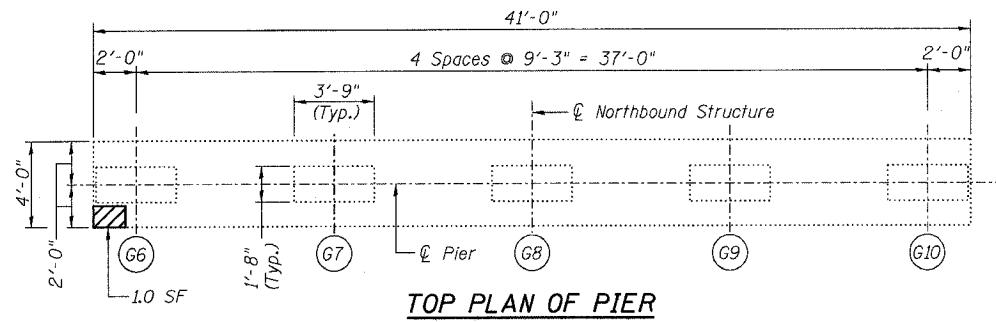
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE		306	283
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

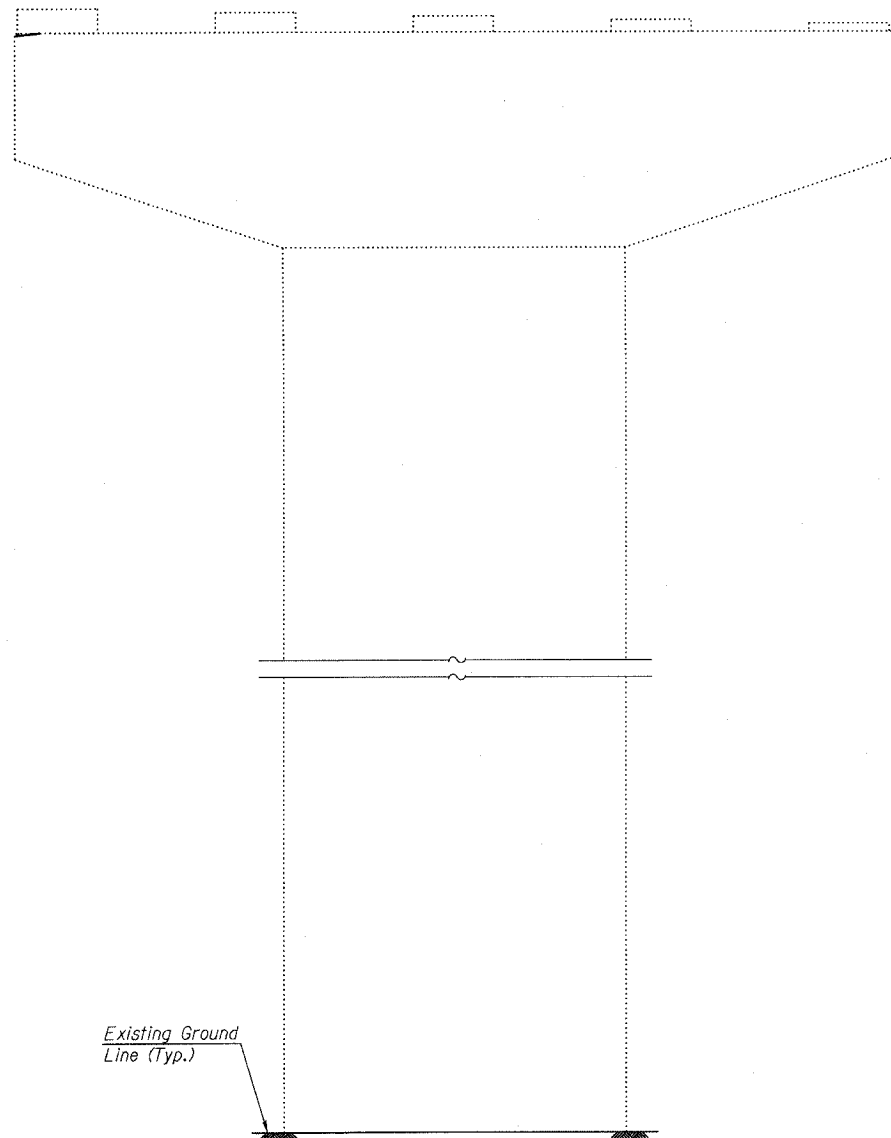
Contract # 66586

**NOTES:**

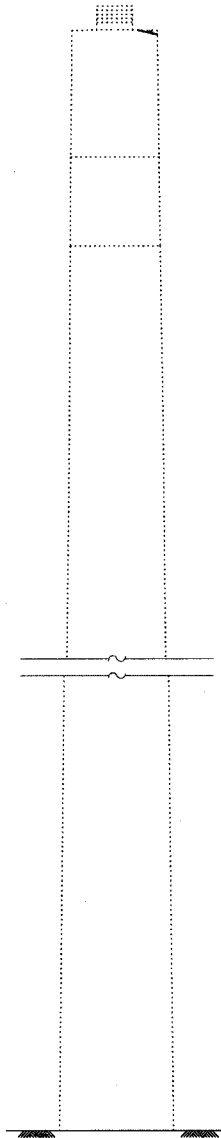
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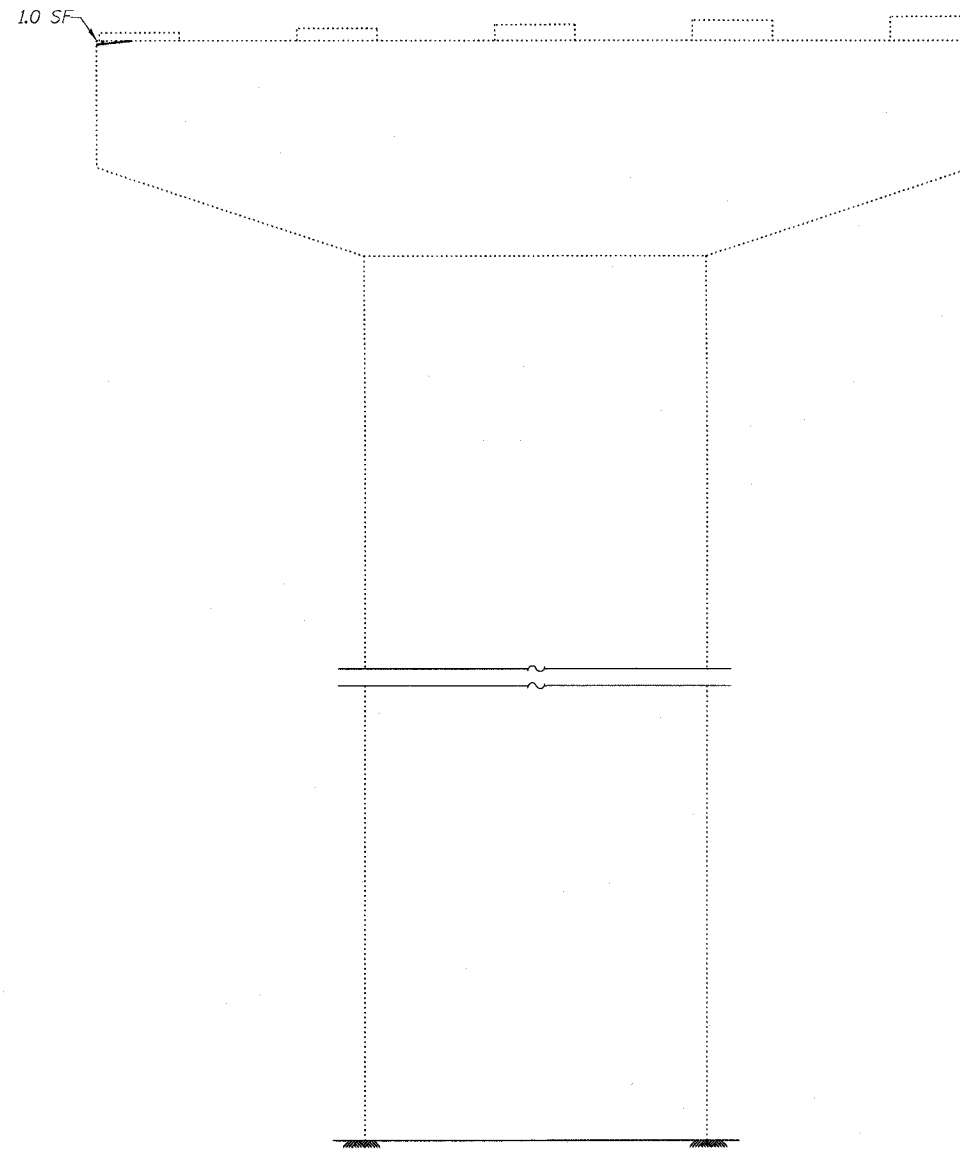
**TOP PLAN OF PIER**



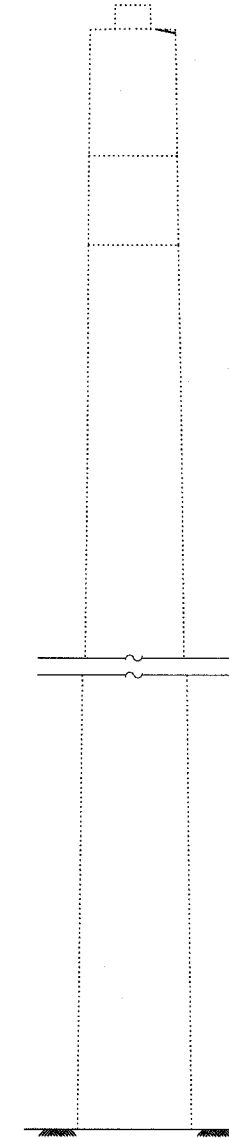
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

Existing Ground Line (Typ.)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	2.0

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

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Chicago, Illinois 60601  
312-565-0450  
Job # 3856

**PIER REPAIR - PIER 29 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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8/30/2006

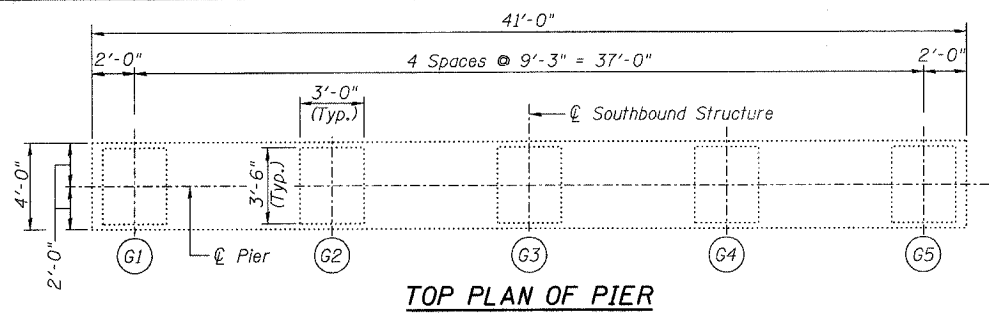
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	301		284
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		313 SHEETS

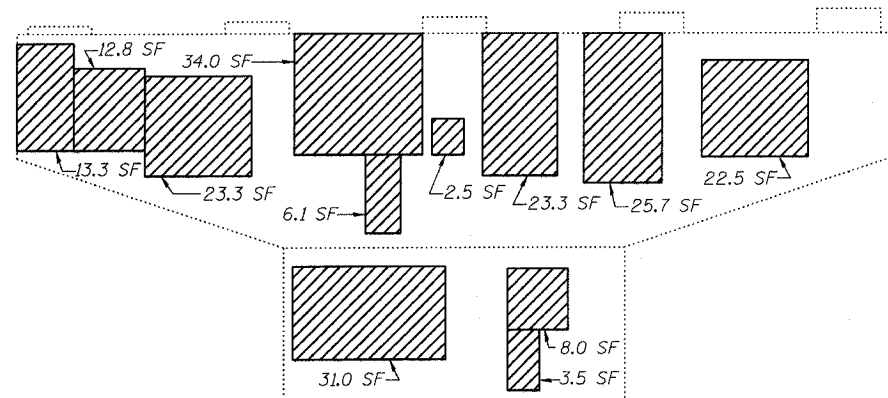
Contract # 66586

**NOTES:**

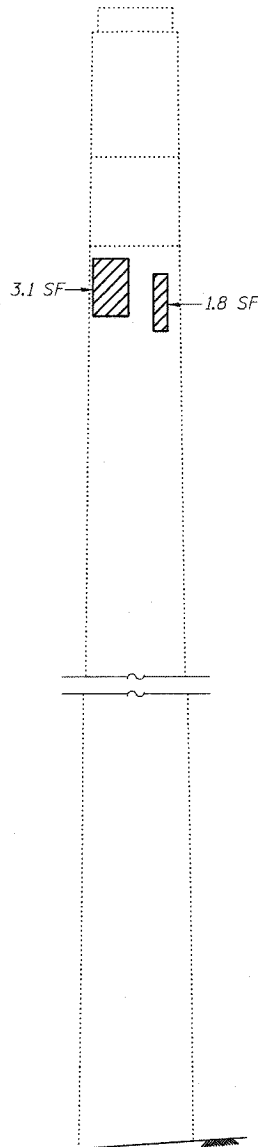
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- See Sheet 286 for rehabilitation of concrete pedestals.



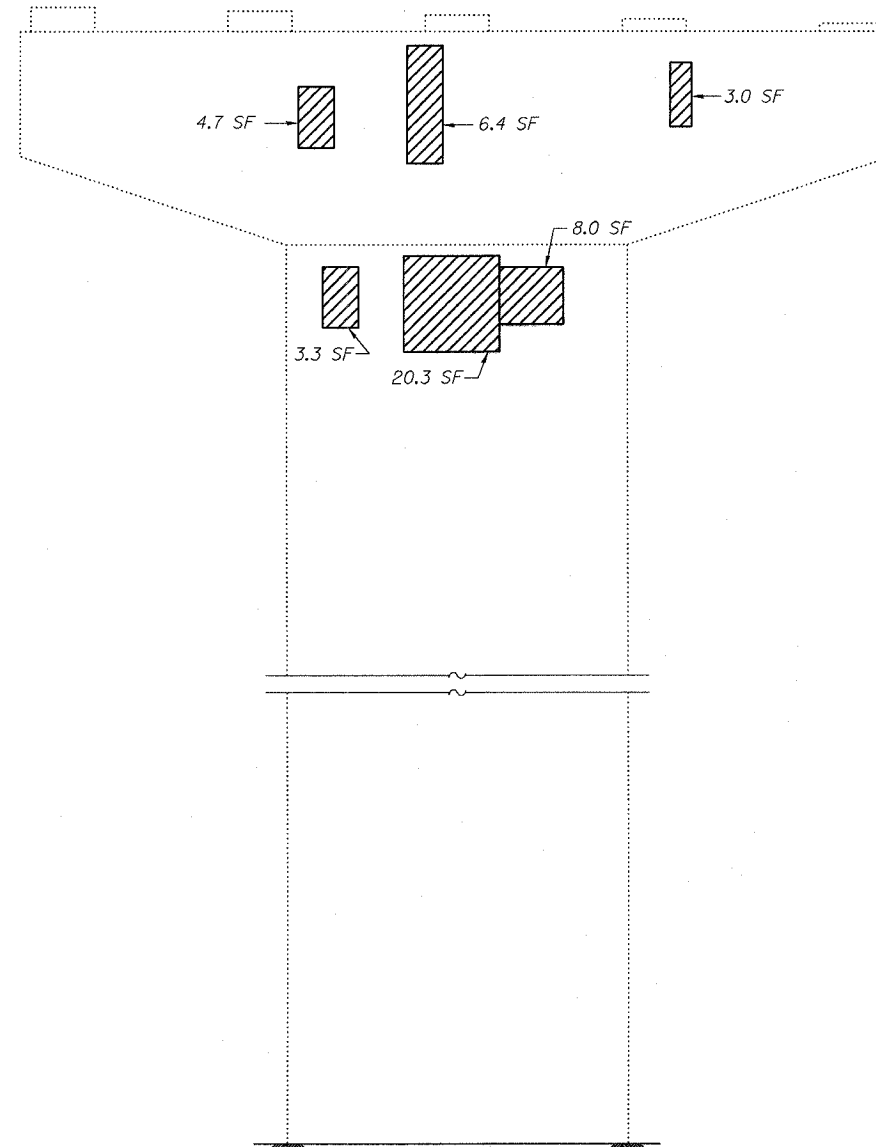
**TOP PLAN OF PIER**



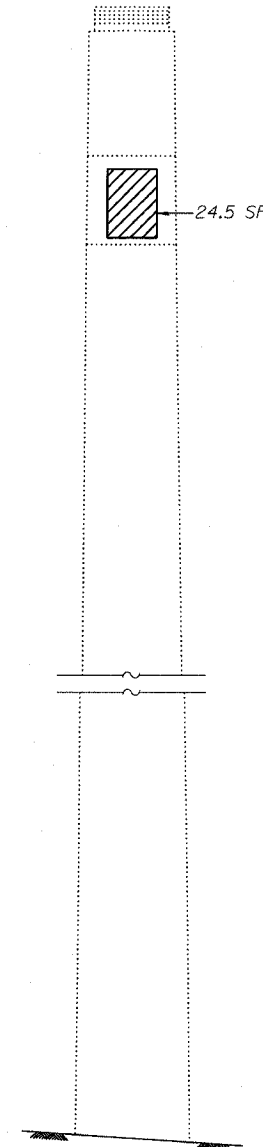
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	281.1

DESIGNED	ADB
CHECKED	DLS
DRAWN	KHH
CHECKED	MTH

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Chatham, Illinois 62629  
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Chicago, Illinois 60601  
312-565-0450  
Job # 3856

**PIER REPAIR - PIER 31 SB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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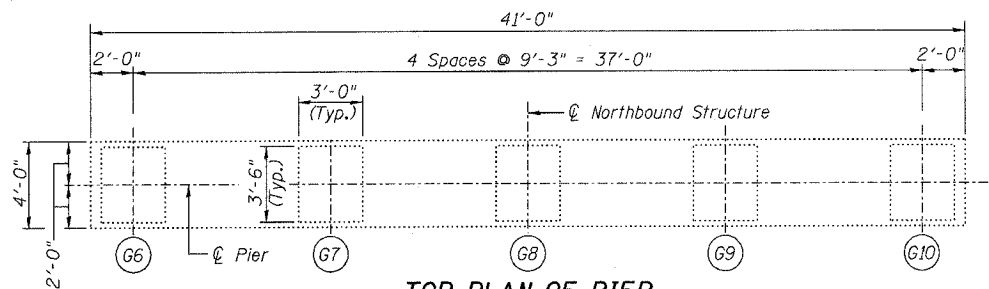
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET NO. 308	SHEET NO. 285 313 SHEETS
FED. RD. DIST. NO. 7		ILLINOIS FED. AID PROJECT		

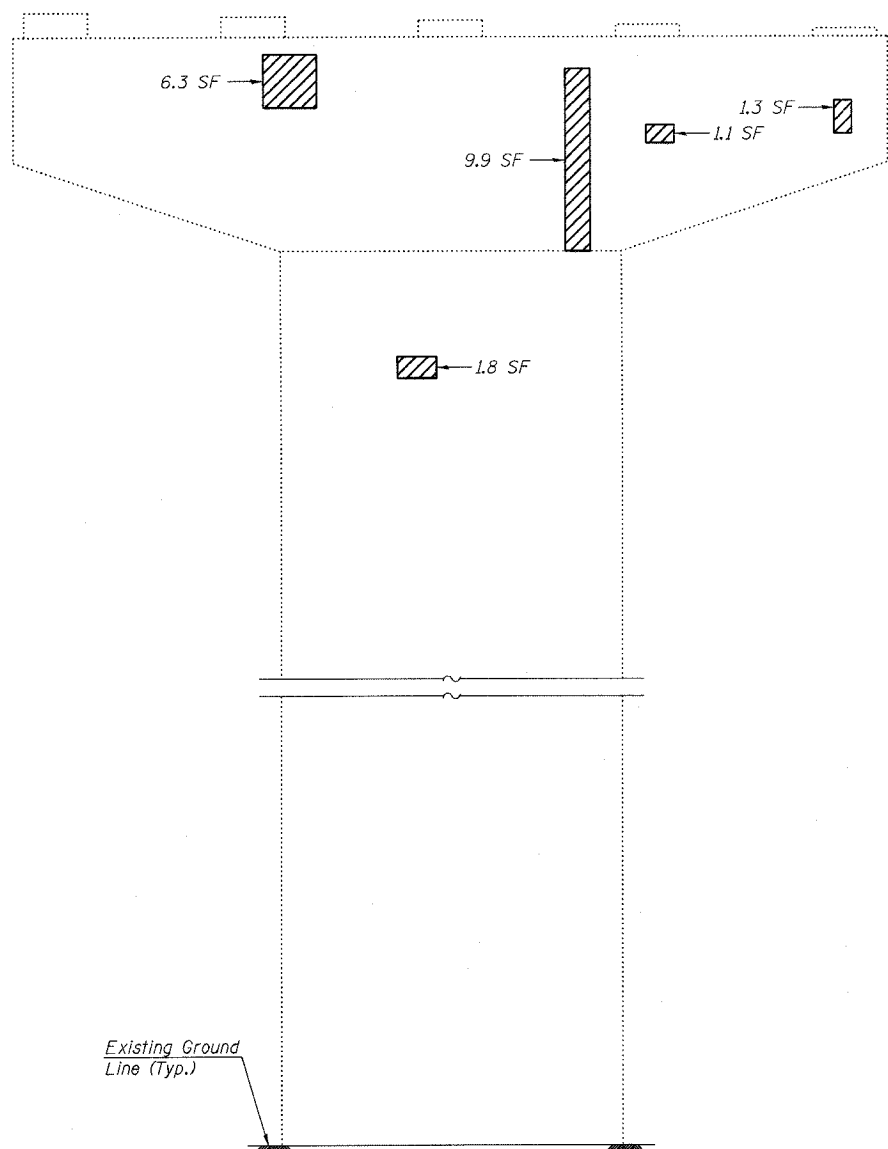
Contract # 66586

**NOTES:**

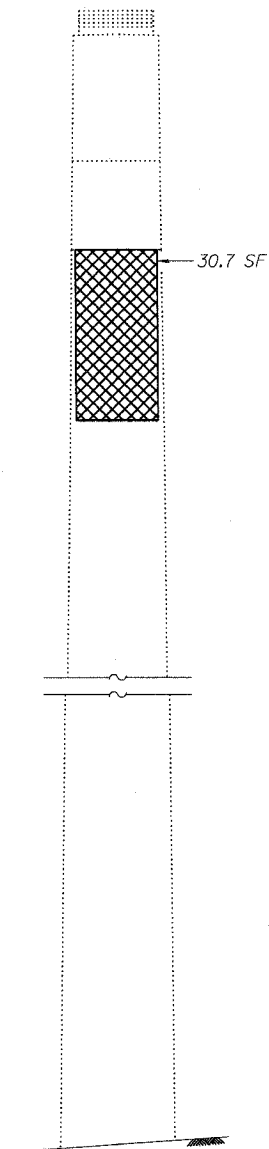
- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.
- See Sheet 287 for rehabilitation of concrete pedestals.



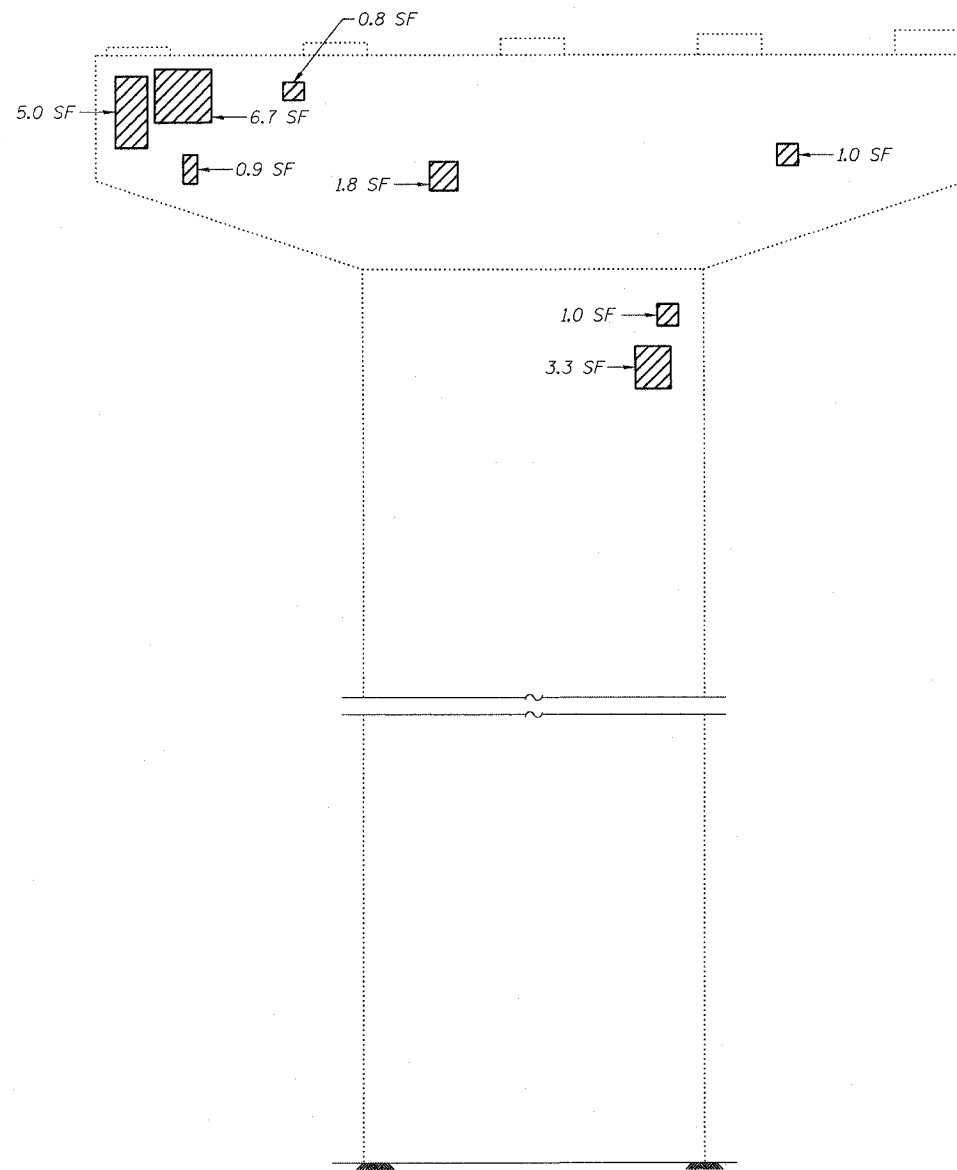
**TOP PLAN OF PIER**



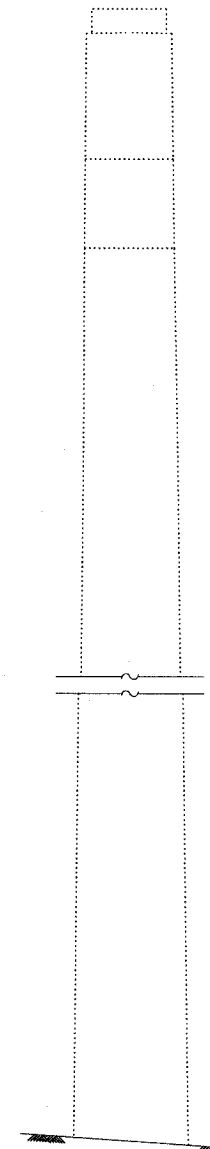
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- Structural Repair of Concrete (Depth greater than 5")
- SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	40.9
Structural Repair of Concrete (Depth greater than 5")	SF	30.7

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

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Job # 3856

**PIER REPAIR - PIER 31 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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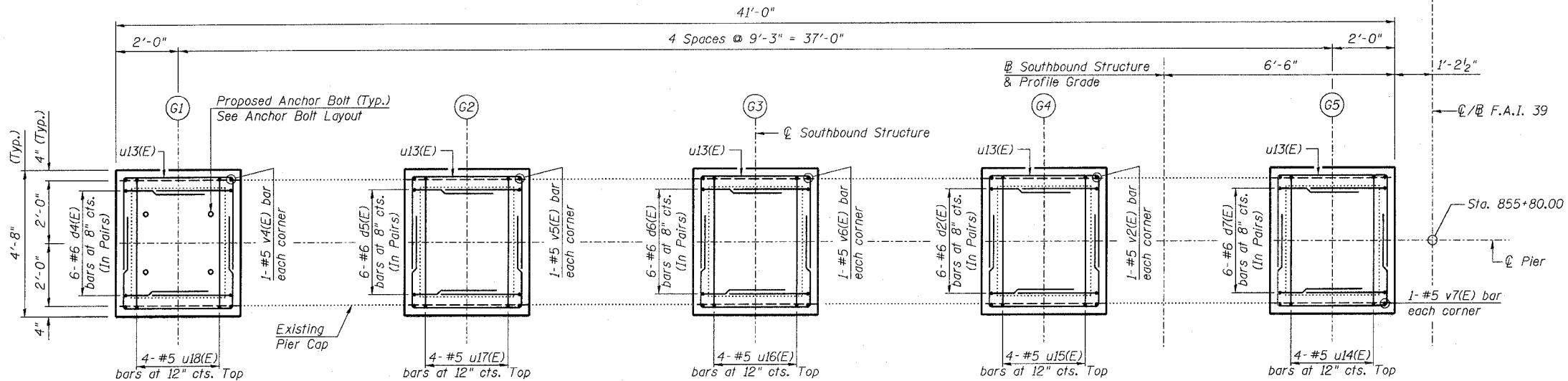
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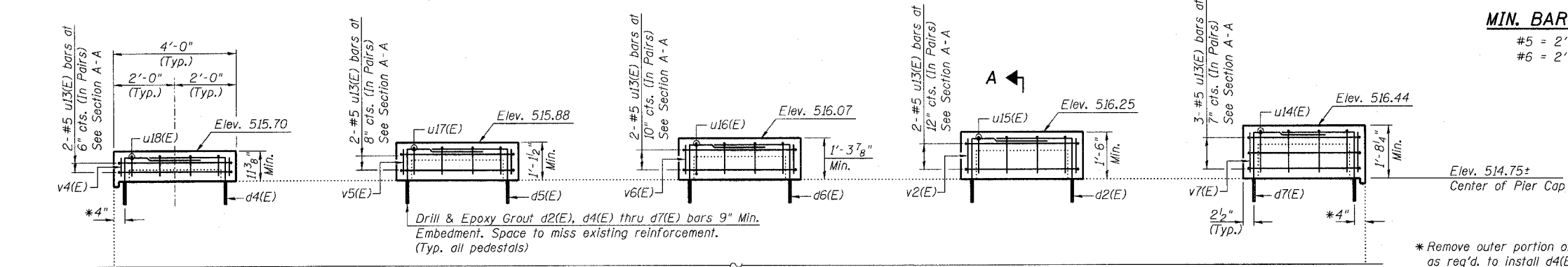
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	FEED SHEETS	SHEET	SHEET NO. 286
F.A.I. 39	50-4B	LASALLE		301	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586



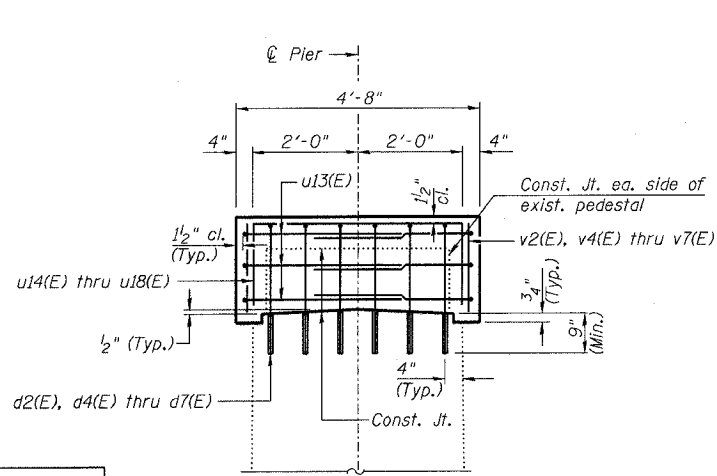
TOP PLAN OF PIER



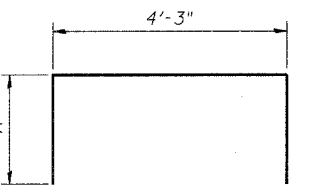
ELEVATION  
(Looking North)

MIN. BAR LAP

#5 = 2'-2"  
#6 = 2'-7"

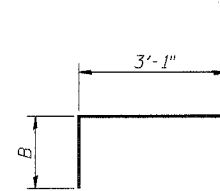


SECTION A-A



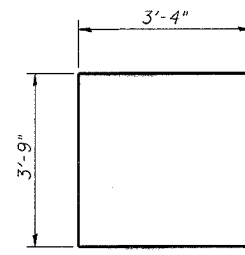
BARS u14(E) thru u18(E)

Bar	A
u14(E)	1'-5"
u15(E)	1'-3"
u16(E)	1'-1"
u17(E)	11"
u18(E)	8"

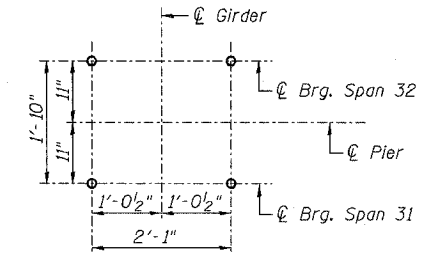


BARS d2(E), d4(E) thru d7(E)

Bar	B
d2(E)	2'-2"
d4(E)	1'-7"
d5(E)	1'-9"
d6(E)	1'-11"
d7(E)	2'-4"



BAR u13(E)



ANCHOR BOLT LAYOUT  
(Typ. each pedestal)

PIER 31 SB  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d2(E)	12	#6	5'-3"	┌
d4(E)	12	#6	4'-8"	┌
d5(E)	12	#6	4'-10"	┌
d6(E)	12	#6	5'-0"	┌
d7(E)	12	#6	5'-5"	┌
u13(E)	22	#5	10'-5"	▬
u14(E)	4	#5	7'-1"	▬
u15(E)	4	#5	6'-9"	▬
u16(E)	4	#5	6'-5"	▬
u17(E)	4	#5	6'-1"	▬
u18(E)	4	#5	5'-7"	▬
v2(E)	4	#5	1'-4"	▬
v4(E)	4	#5	0'-9"	▬
v5(E)	4	#5	0'-11"	▬
v6(E)	4	#5	1'-2"	▬
v7(E)	4	#5	1'-6"	▬
Concrete Structures		Cu. Yd.	3.9	
Reinforcement Bars, Epoxy Coated		Pound	850	
Bridge Seat Sealer		Sq. Ft.	311	
Concrete Removal		Cu. Yd.	0.7	

Reinforcement Bars designated (E) shall be epoxy coated.

NOTES:

- Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
- Space pedestal reinforcement to miss proposed anchor bolts.
- See Sheet 19 for removal details.
- See Sheet 215 for bearing details.

PEDESTAL REHAB. - PIER 31 SB  
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER  
THE ILLINOIS RIVER (PUBLIC WATERS)  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Chattanooga, Illinois 62629  
(217) 483-4638  
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Chicago, Illinois 60601  
312-565-0460  
Job # 3856

DESIGNED - DLS
CHECKED - STD
DRAWN - SGL
CHECKED - MTH

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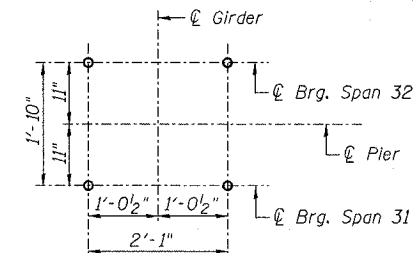
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8/30/2006

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 287
F.A.I. 39	50-4B	LASALLE		310	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		313 SHEETS

Contract # 66586



**ANCHOR BOLT LAYOUT**  
(Typ. each pedestal)

**PIER 31 NB  
BILL OF MATERIAL**

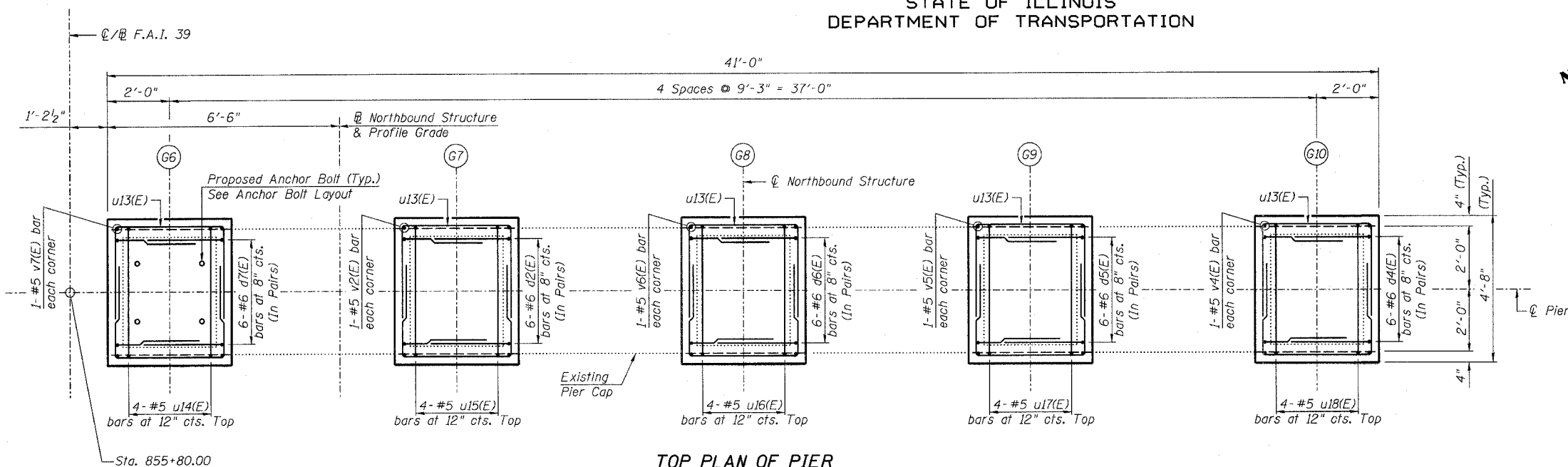
Bar	No.	Size	Length	Shape
d2(E)	12	#6	5'-3"	┌
d4(E)	12	#6	4'-8"	┌
d5(E)	12	#6	4'-10"	┌
d6(E)	12	#6	5'-0"	┌
d7(E)	12	#6	5'-5"	┌
u13(E)	22	#5	10'-5"	▬
u14(E)	4	#5	7'-1"	▬
u15(E)	4	#5	6'-9"	▬
u16(E)	4	#5	6'-5"	▬
u17(E)	4	#5	6'-1"	▬
u18(E)	4	#5	5'-7"	▬
v2(E)	4	#5	1'-4"	▬
v4(E)	4	#5	0'-9"	▬
v5(E)	4	#5	0'-11"	▬
v6(E)	4	#5	1'-2"	▬
v7(E)	4	#5	1'-6"	▬
Concrete Structures	Cu. Yd.		3.9	
Reinforcement Bars, Epoxy Coated	Pound		850	
Bridge Seat Sealer	Sq. Ft.		311	
Concrete Removal	Cu. Yd.		0.7	

Reinforcement Bars designated (E) shall be epoxy coated.

**NOTES:**

- Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
- Space pedestal reinforcement to miss proposed anchor bolts.
- See Sheet 19 for removal details.
- See Sheet 215 for bearing details.

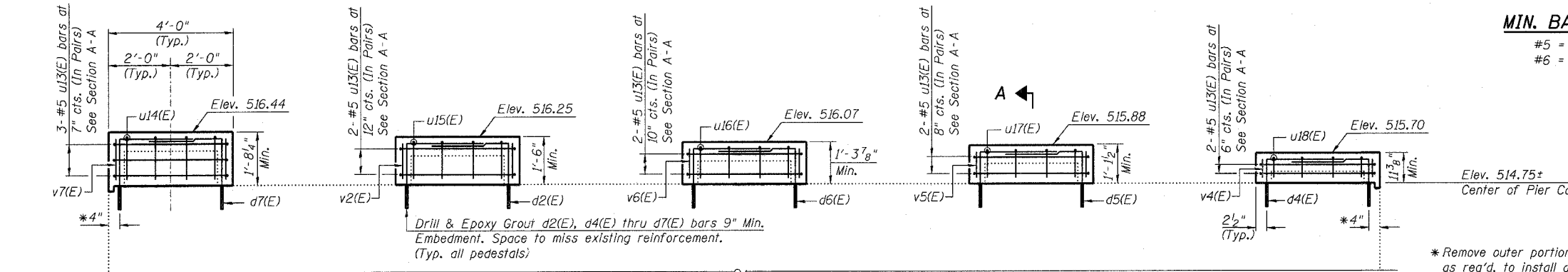
**PEDESTAL REHAB. - PIER 31 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**



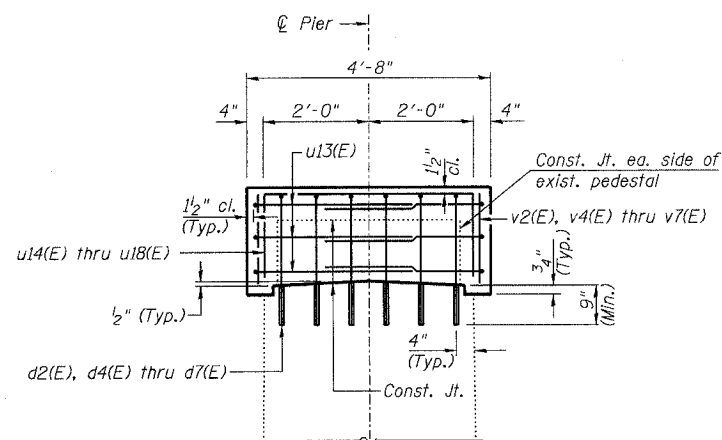
**TOP PLAN OF PIER**

**MIN. BAR LAP**

#5 = 2'-2"  
#6 = 2'-7"



**ELEVATION**  
(Looking North)



**SECTION A-A**

**BARS u14(E) thru u18(E)**

Bar	A
u14(E)	1'-5"
u15(E)	1'-3"
u16(E)	1'-1"
u17(E)	11"
u18(E)	8"

**BARS d2(E), d4(E) thru d7(E)**

Bar	B
d2(E)	2'-2"
d4(E)	1'-7"
d5(E)	1'-9"
d6(E)	1'-11"
d7(E)	2'-4"

**BAR u13(E)**

DESIGNED - DLS
CHECKED - STD
DRAWN - SGL
CHECKED - MTH

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Chatham, Illinois 62629  
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Chicago, Illinois 60601  
312-965-0450  
Job # 3856

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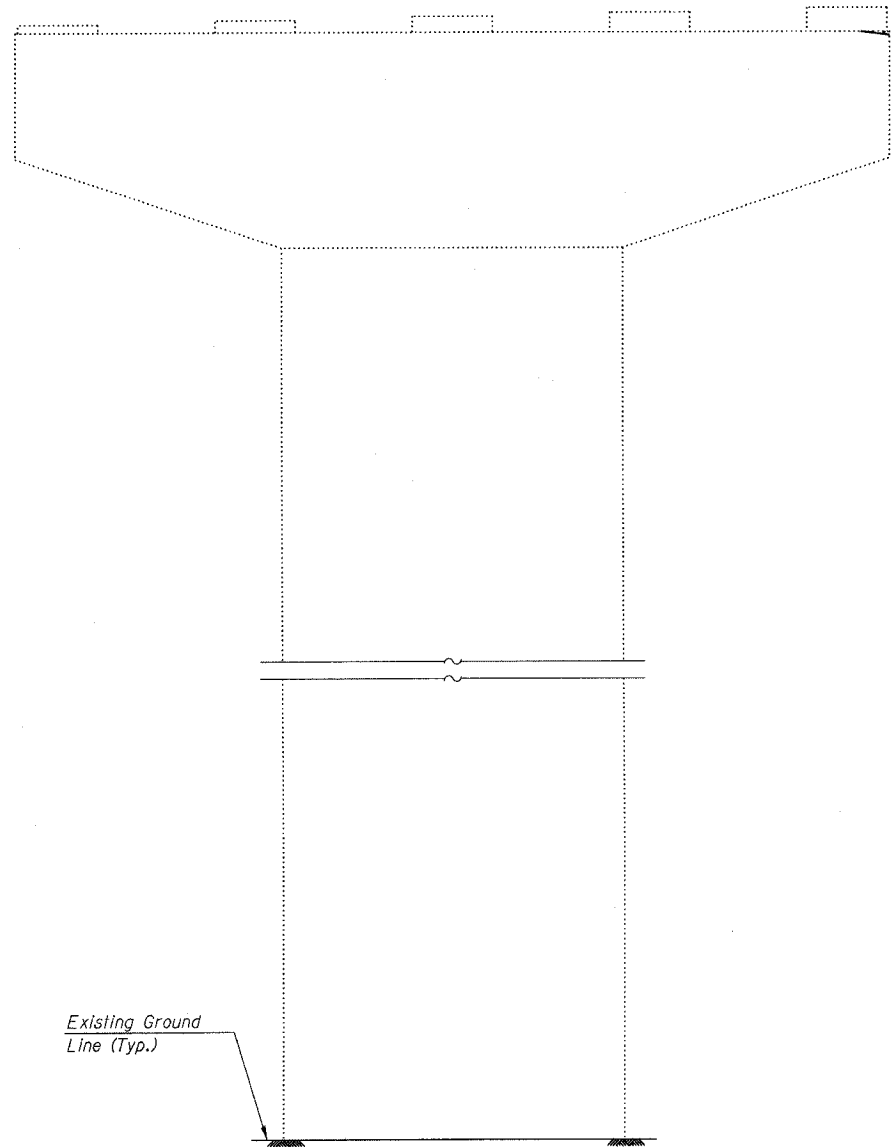
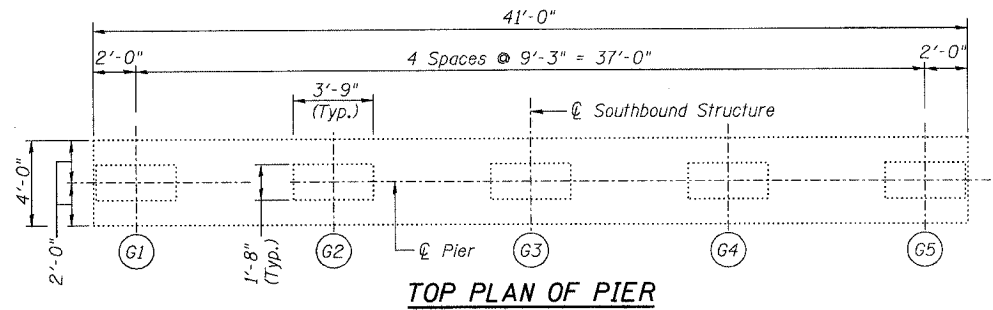
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 311	SHEET NO. 311	SHEET NO. 288 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

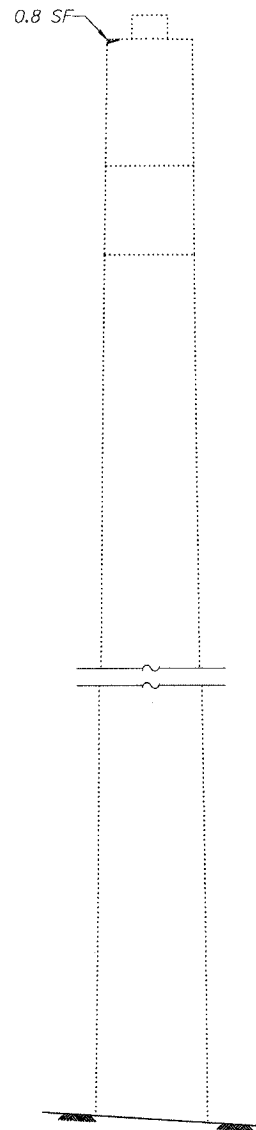
Contract # 66586

**NOTES:**

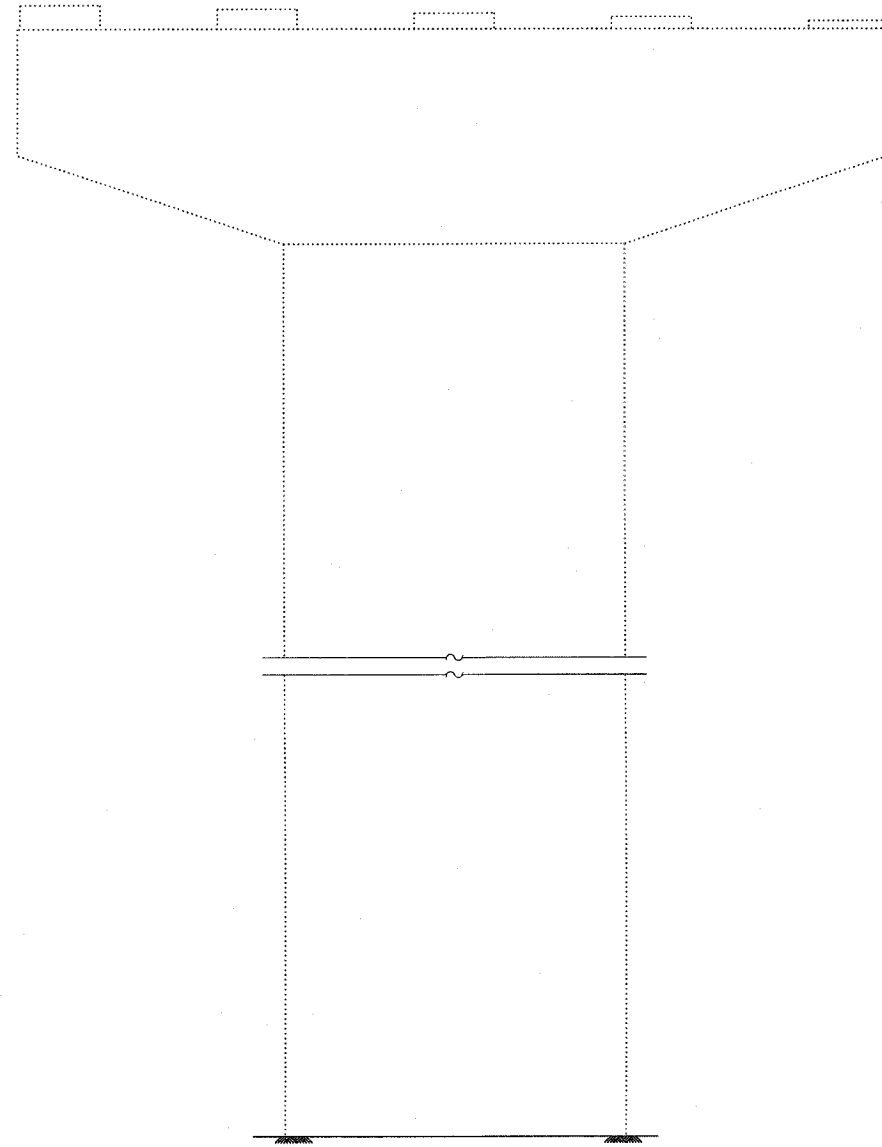
- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.



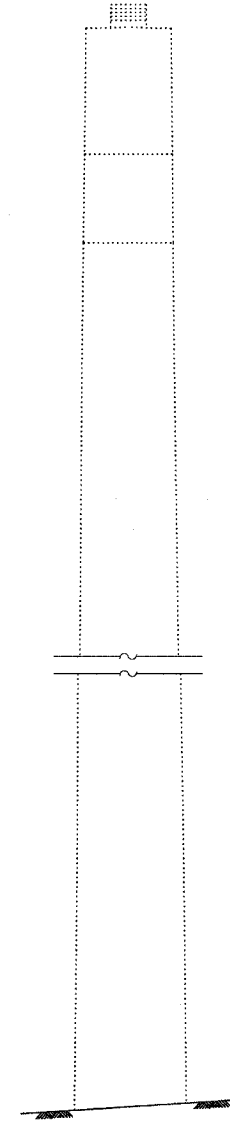
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	0.8

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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3856

**PIER REPAIR - PIER 32 SB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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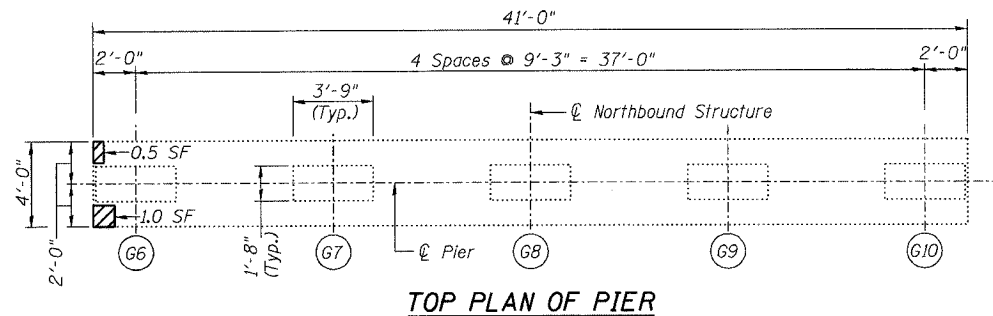
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
F.A.I. 39	50-4B	LASALLE		312	289
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		313 SHEETS

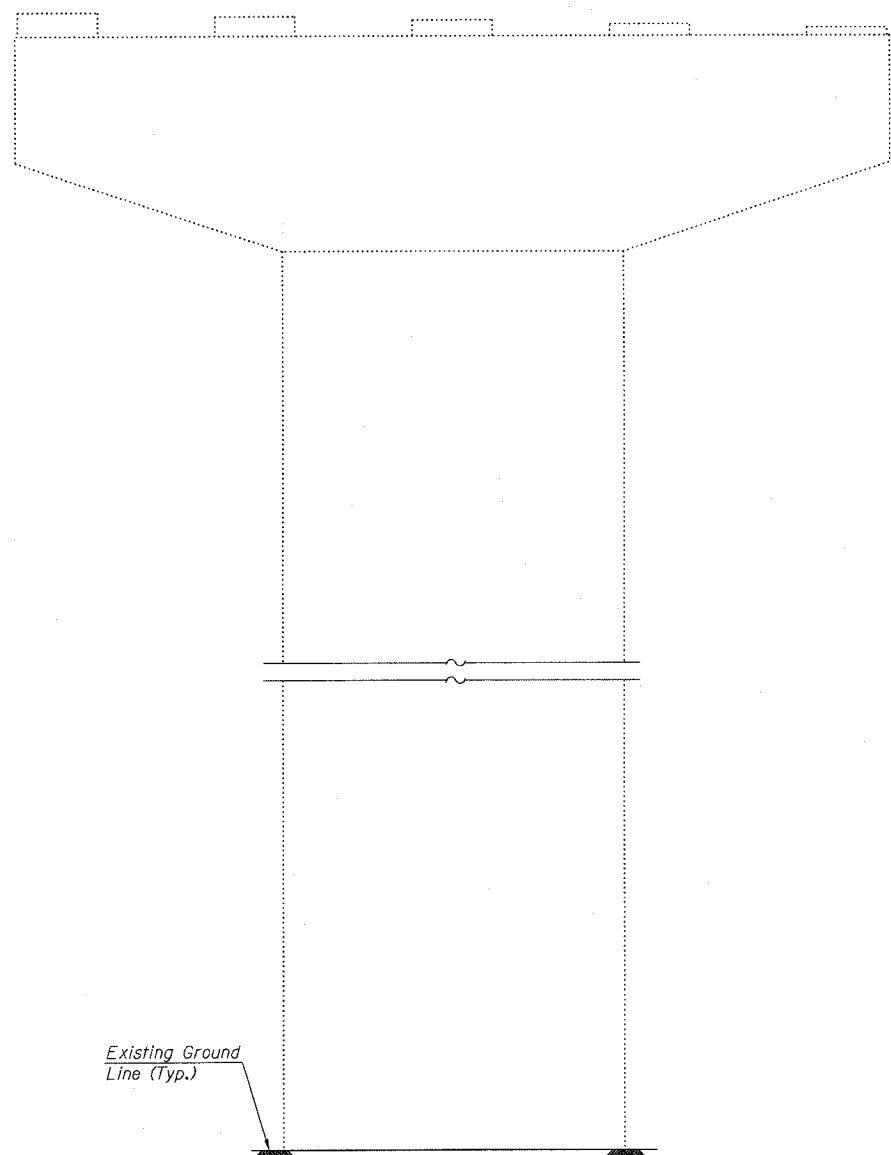
Contract # 66586



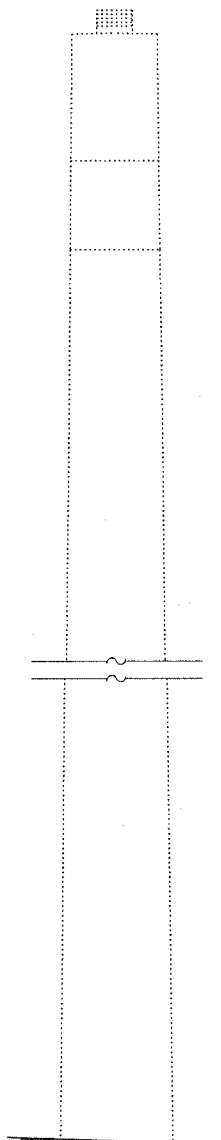
TOP PLAN OF PIER

NOTES:

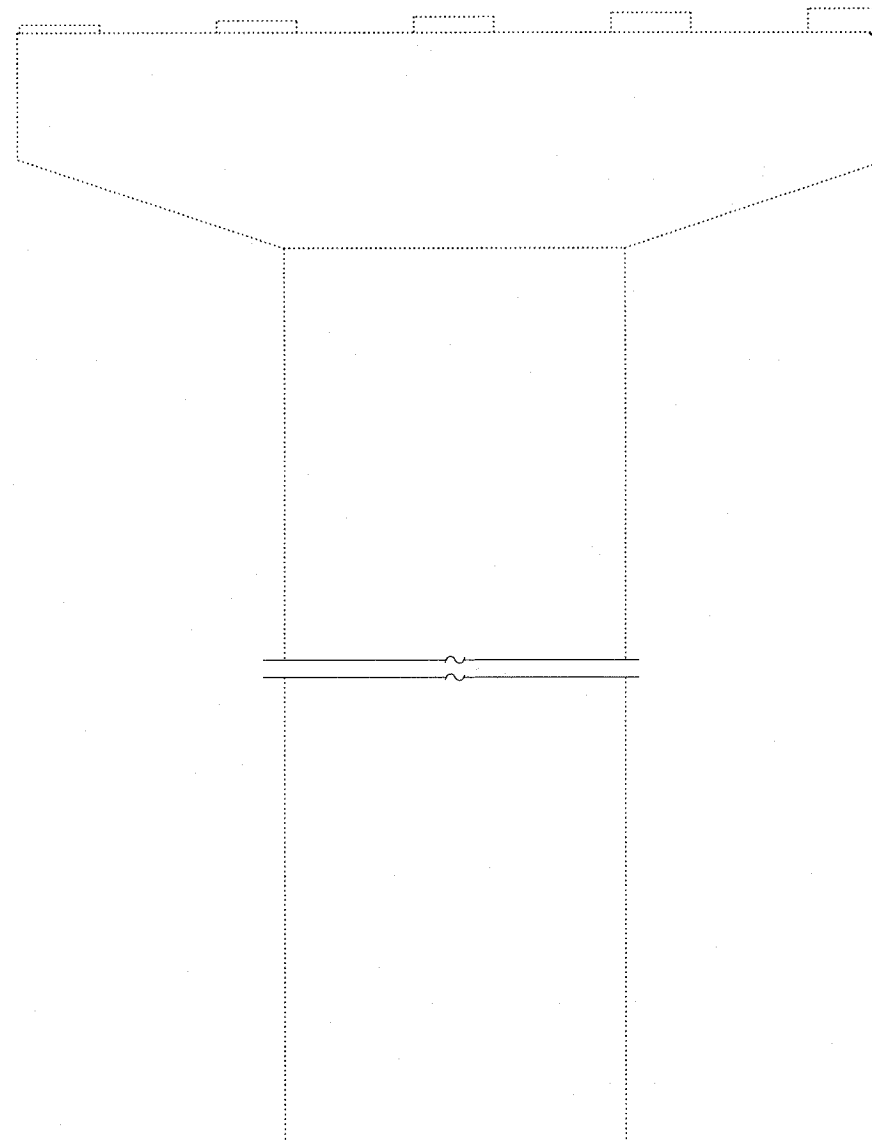
- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.



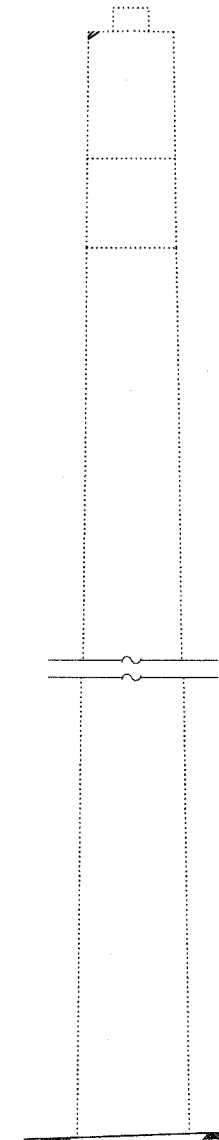
ELEVATION  
(Looking North)



END VIEW  
(Looking West)



ELEVATION  
(Looking South)



END VIEW  
(Looking East)

Existing Ground Line (Typ.)

LEGEND

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	1.5

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

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312-565-0450  
Job # 3856

PIER REPAIR - PIER 32 NB  
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER  
THE ILLINOIS RIVER (PUBLIC WATERS)  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)

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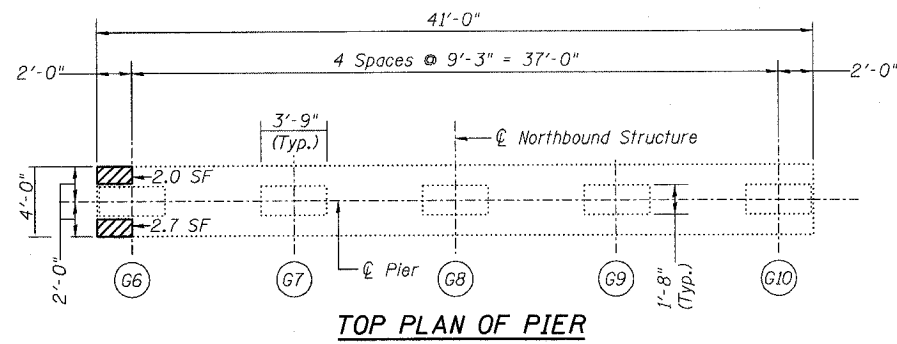
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 290
F.A.I. 39	50-4B	LASALLE		313	313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT-	

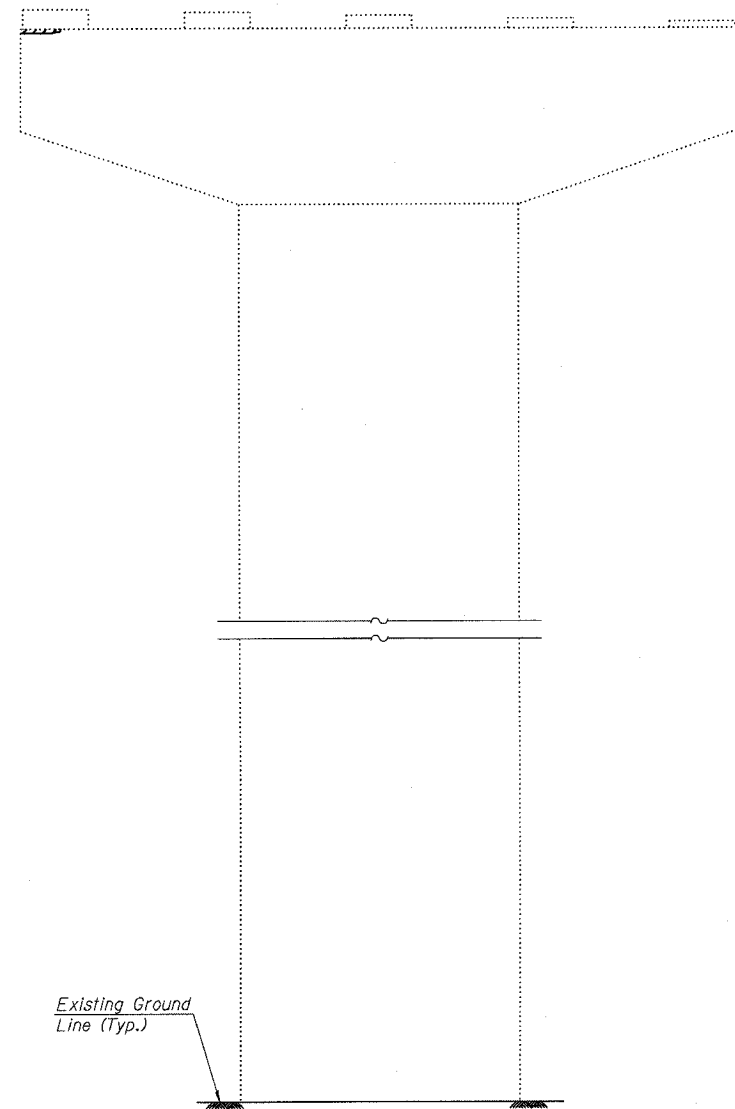
Contract # 66586

**NOTES:**

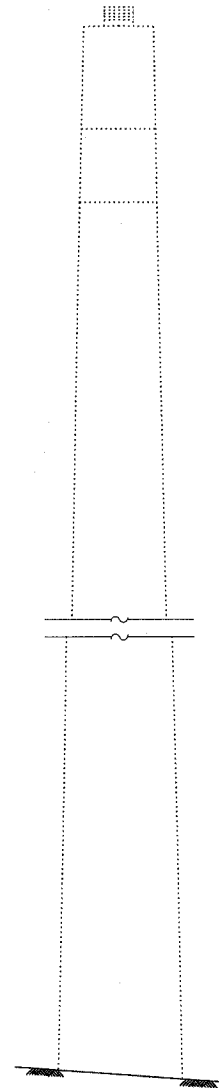
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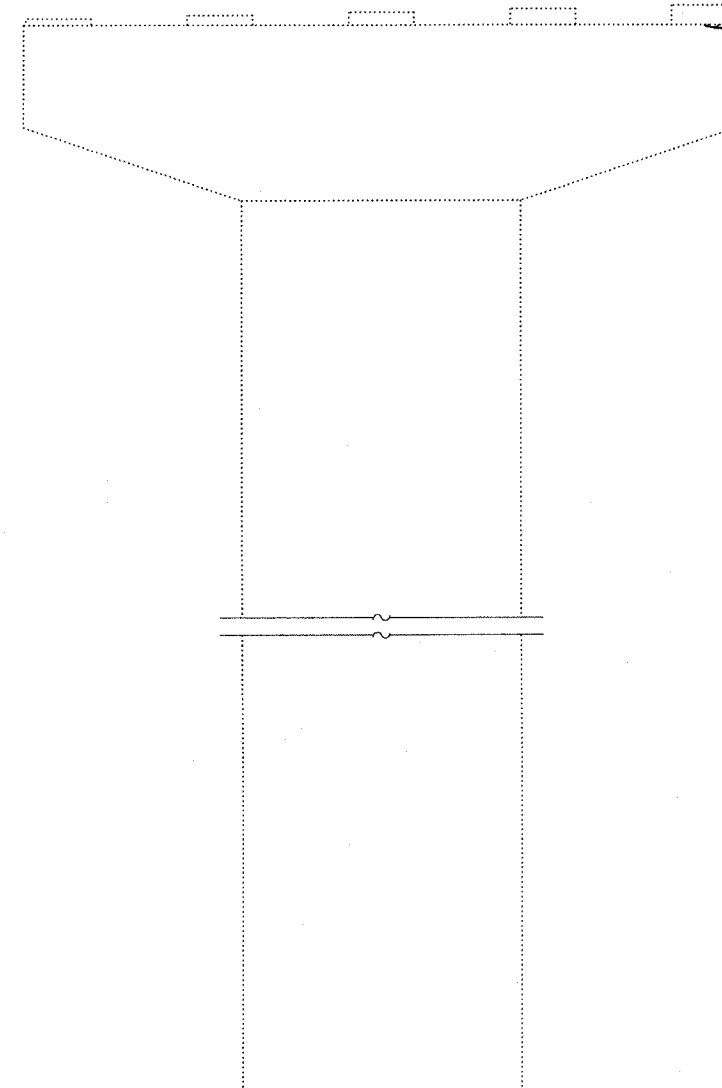
**TOP PLAN OF PIER**



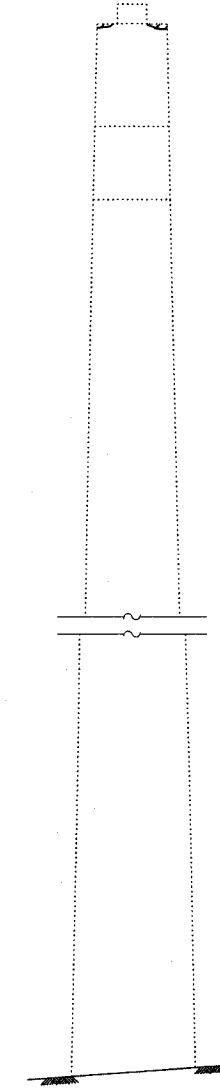
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	4.7

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Crahan, Illinois 62629  
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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-595-0450  
Job # 3856

**PIER REPAIR - PIER 33 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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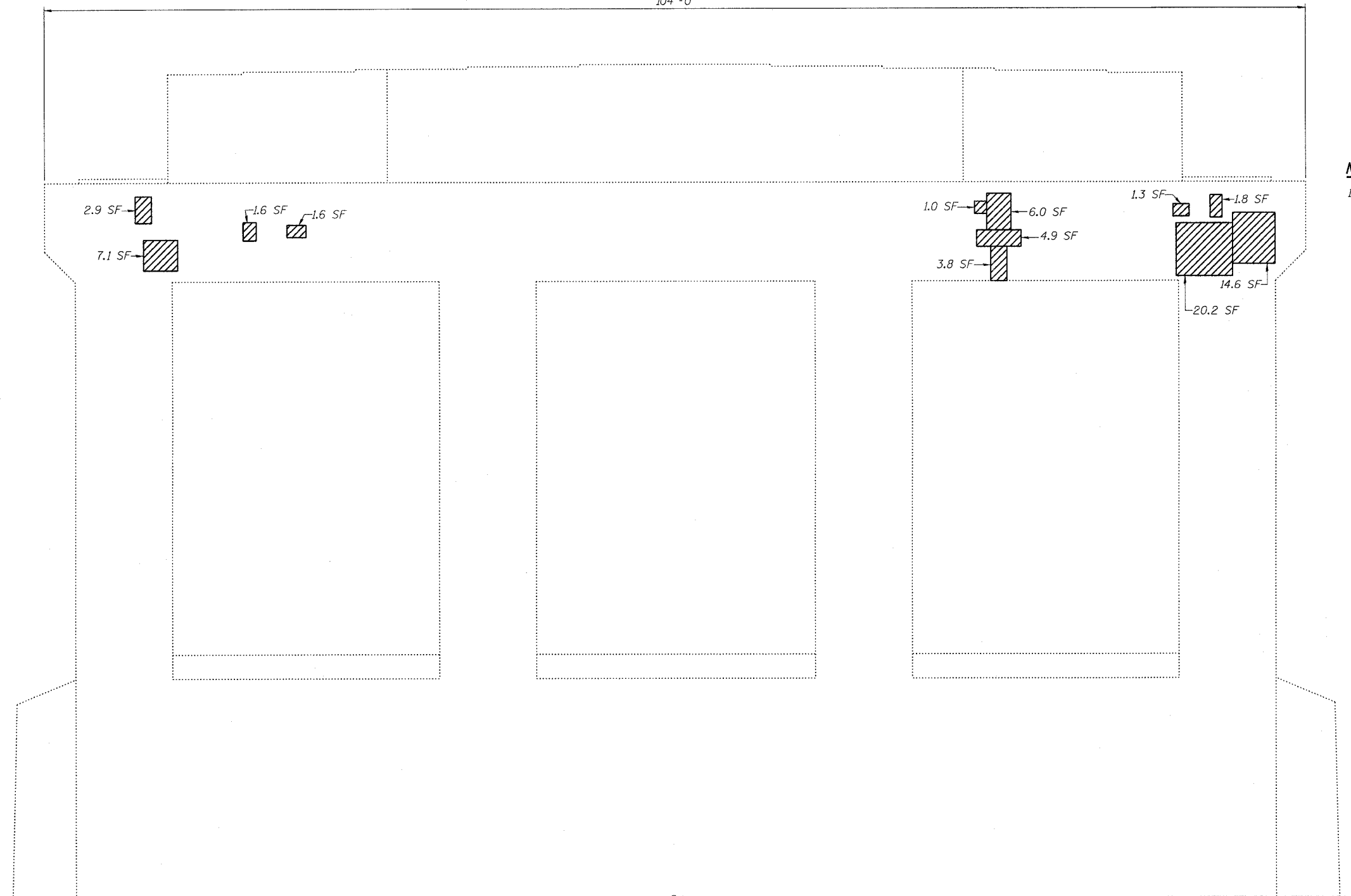
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

104'-0"

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 314	SHEET NO. 291
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

313 SHEETS

Contract # 66586



**NOTES:**

1. The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.

**ELEVATION**  
(Looking North)

**LEGEND**

Structural Repair of Concrete  
(Depth equal to or less than 5")  
SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	66.8

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
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(217) 483-4168  
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Job # 3856

**PIER REPAIR - PIER 34**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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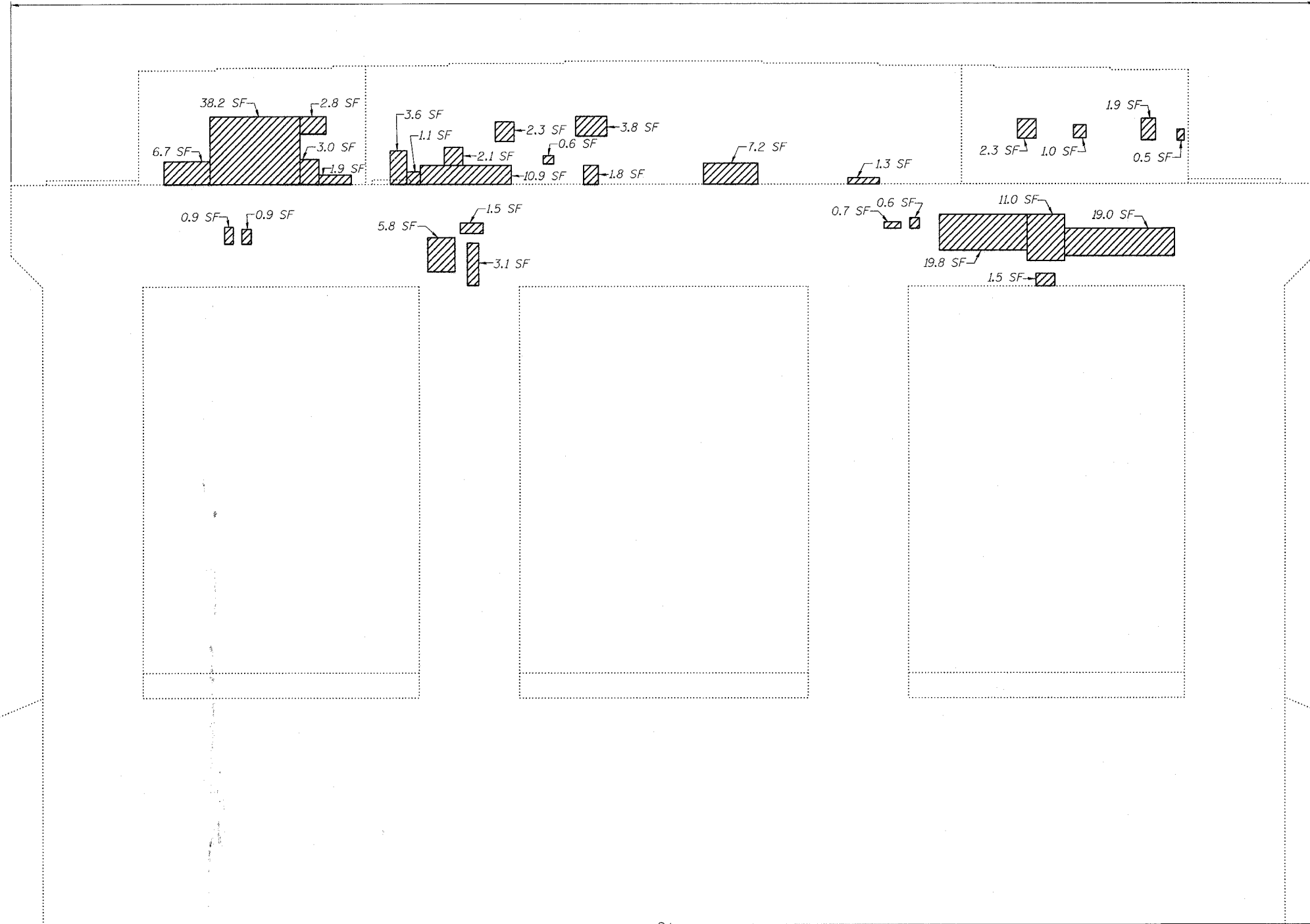
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

104'-0"

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	313	292
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract # 66586



**NOTES:**

1. The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.

**ELEVATION**  
(Looking South)

**LEGEND**

Structural Repair of Concrete  
(Depth equal to or less than 5")  
SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	157.8

DESIGNED	ADB
CHECKED	DLS
DRAWN	KHH
CHECKED	MTH

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4168  
FAX (217) 483-4106

**benesch**  
alfred benesch & company  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-665-0450  
Job # 3856

**PIER REPAIR - PIER 34  
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER  
THE ILLINOIS RIVER (PUBLIC WATERS)  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)**

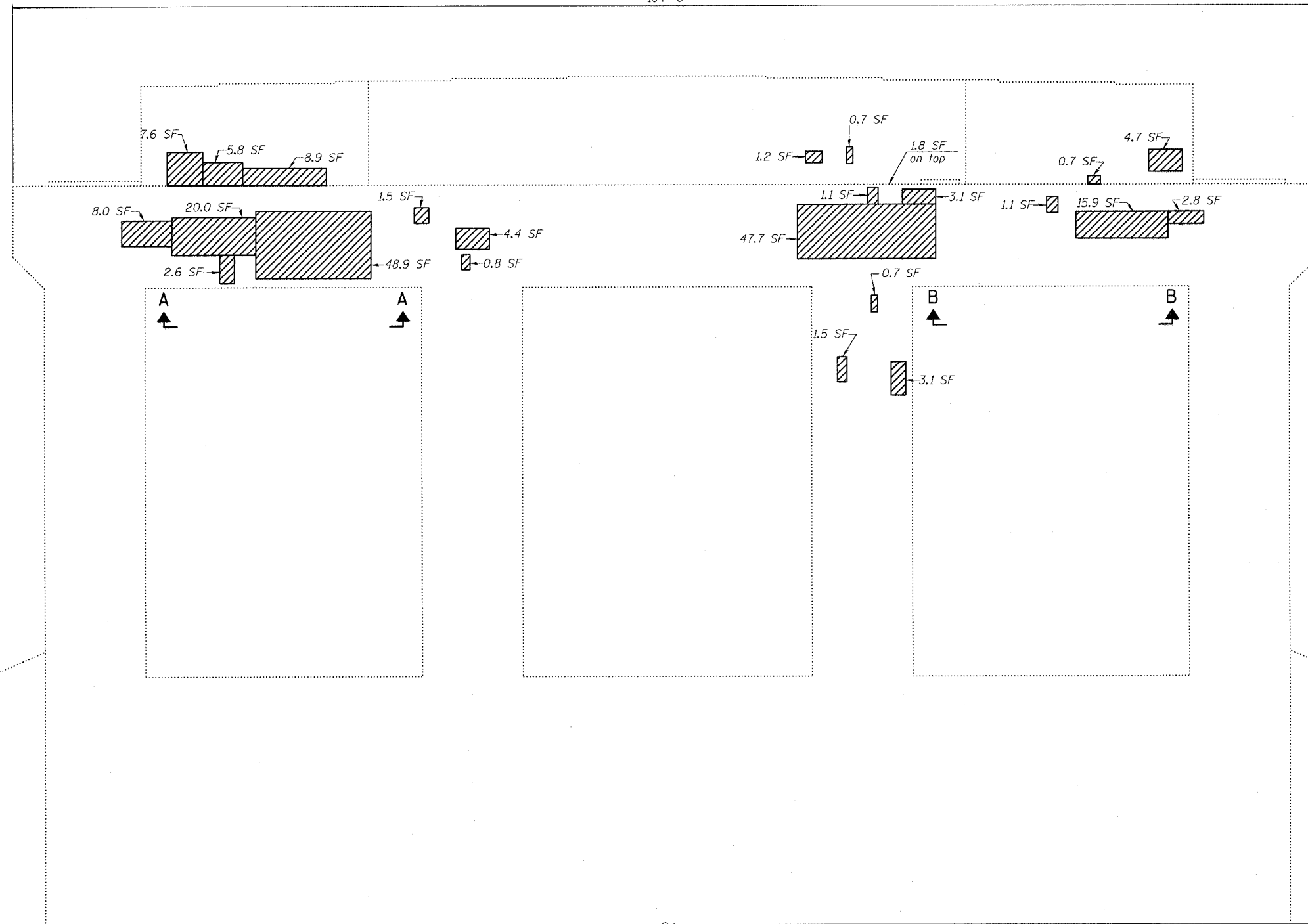
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

104'-0"

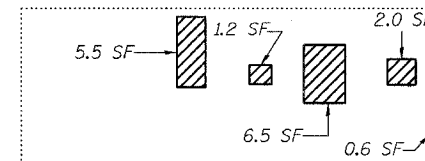
ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.I. 39	50-4B	LASALLE	316	293
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		313 SHEETS

Contract # 66586

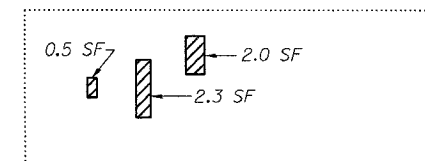


**NOTES:**

- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.



VIEW B-B



VIEW A-A

**ELEVATION**  
(Looking North)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	215.2

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4688  
FAX (217) 483-4706

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Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-665-0450  
Job # 3856

**PIER REPAIR - PIER 35**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

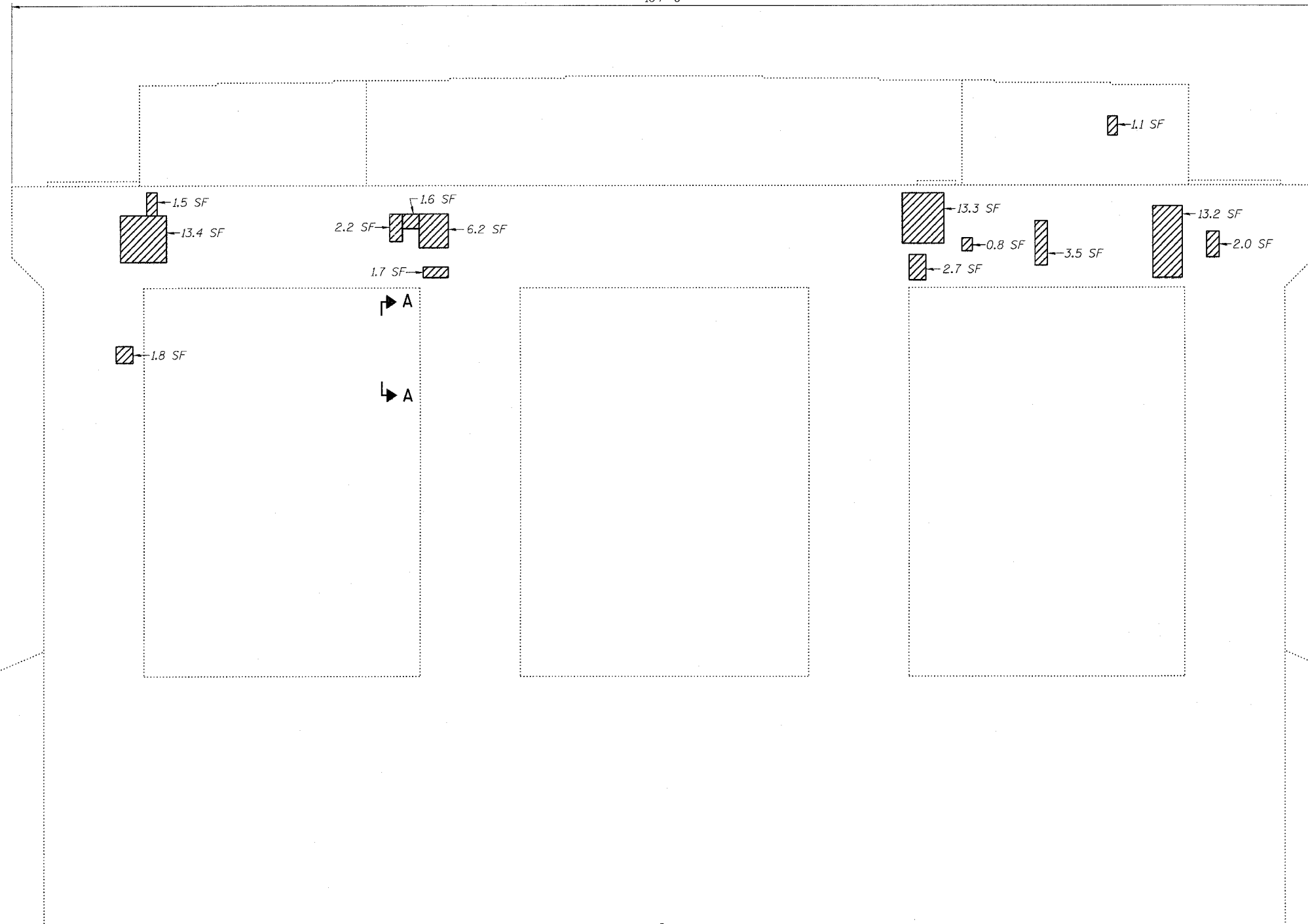
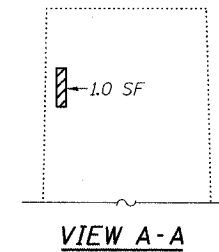
104'-0"

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE		317	294
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	313 SHEETS		

Contract # 66586

**NOTES:**

- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.



**ELEVATION**  
(Looking South)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	66.0

DESIGNED	ADB
CHECKED	DLS
DRAWN	KHH
CHECKED	MTH

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4168  
FAX (217) 483-4706

**benesch**  
alfred benesch & company  
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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-965-0450  
Job # 3856

**PIER REPAIR - PIER 35**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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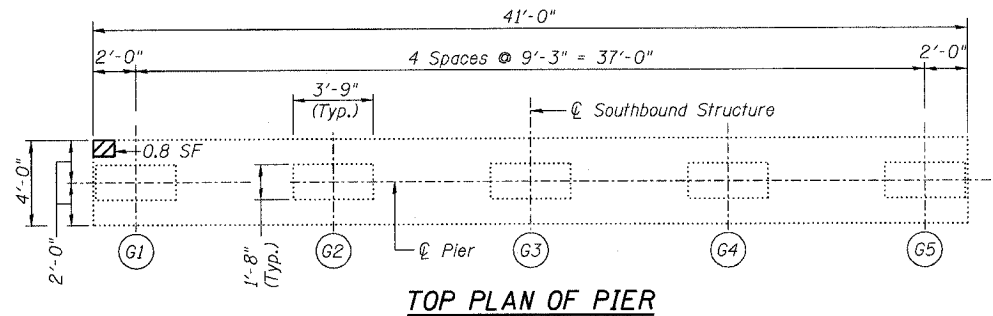
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8/30/2006

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	318		295
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

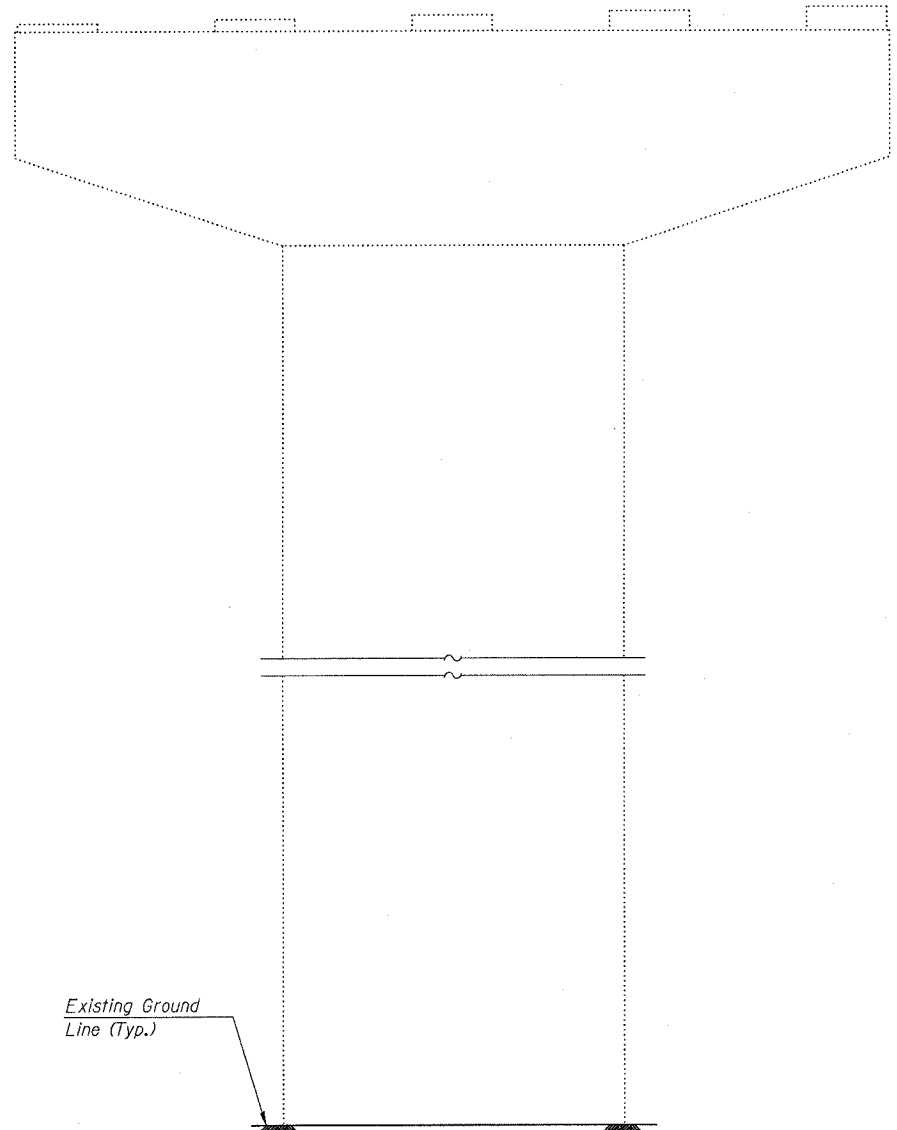
Contract # 66586



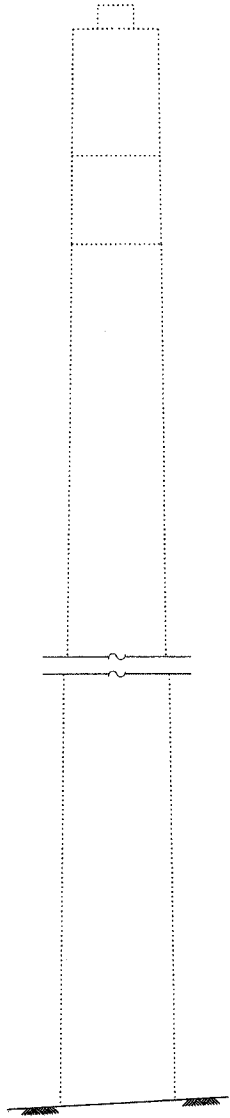
**NOTES:**

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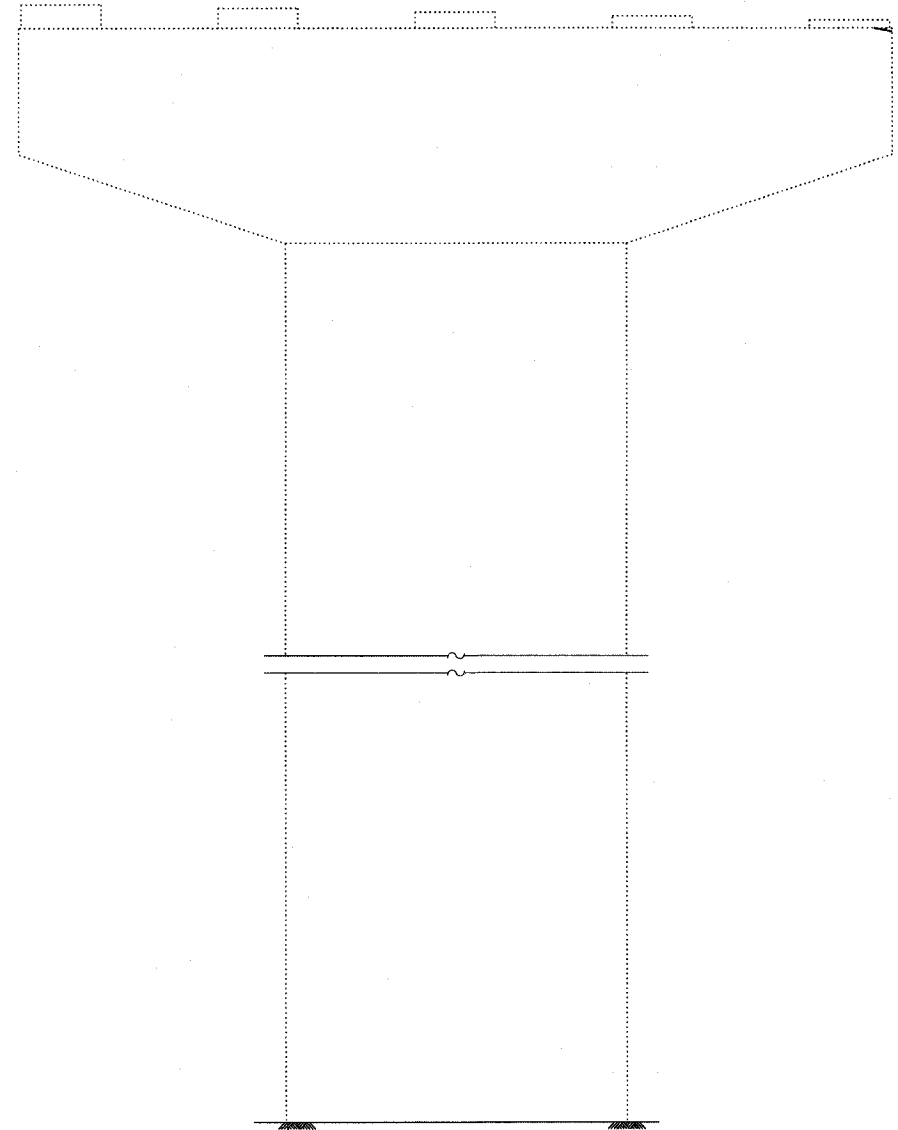
**TOP PLAN OF PIER**



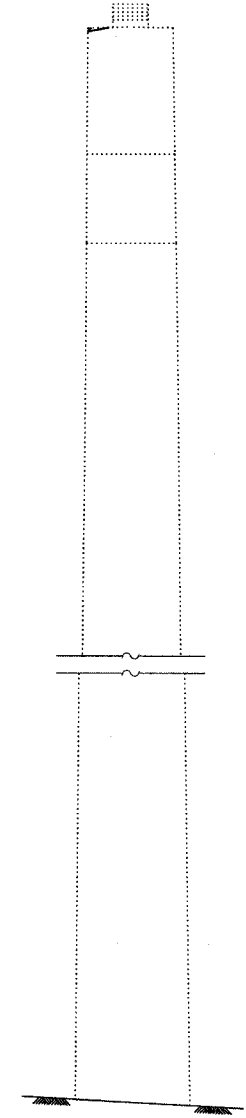
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	0.8

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4168  
FAX (217) 483-4706

**benesch**  
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Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3856

**PIER REPAIR - PIER 36 SB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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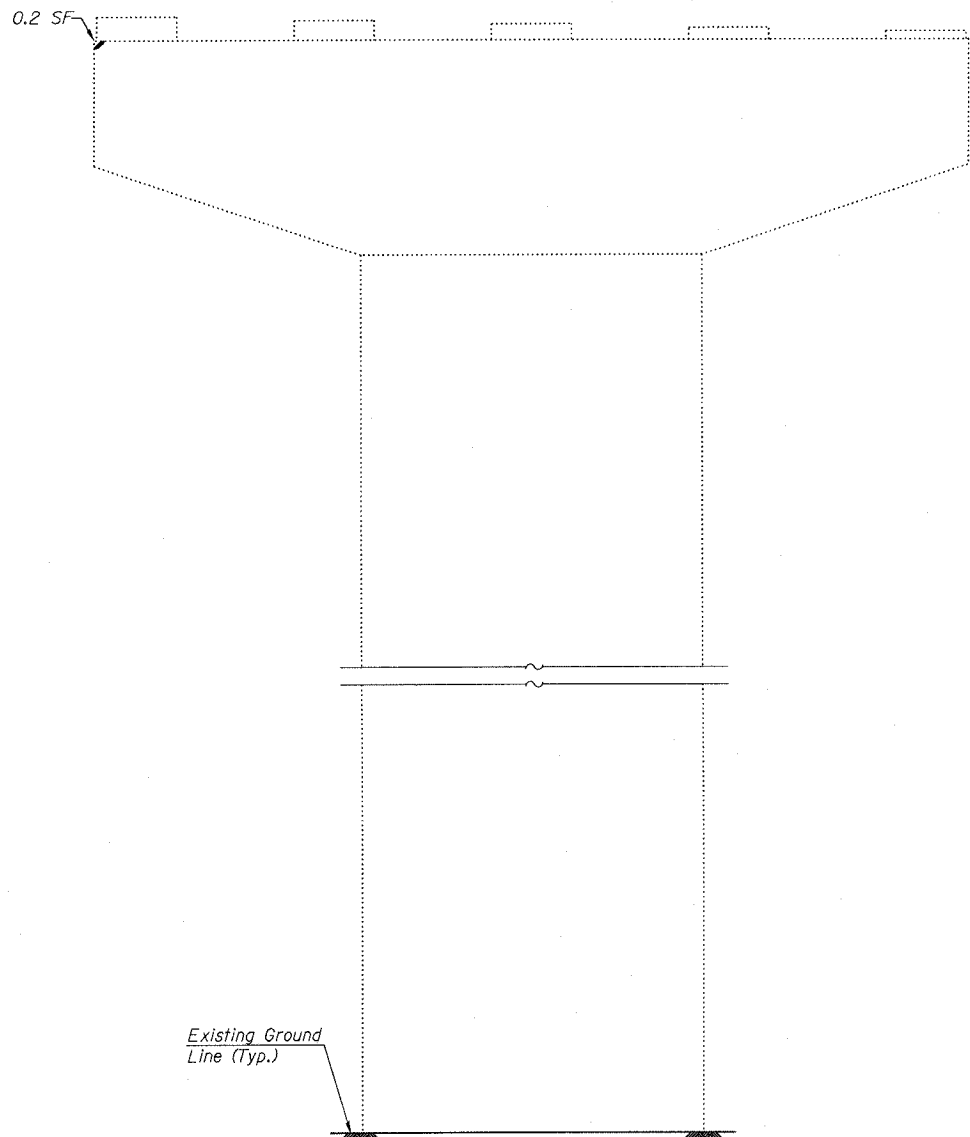
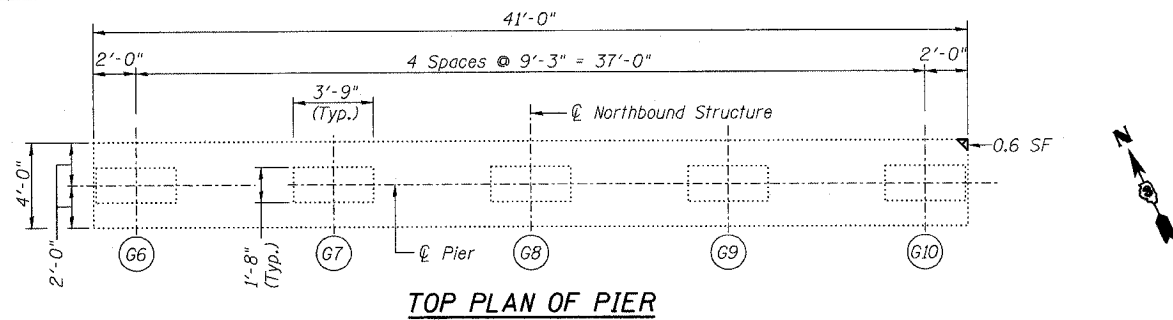
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE		319	296
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

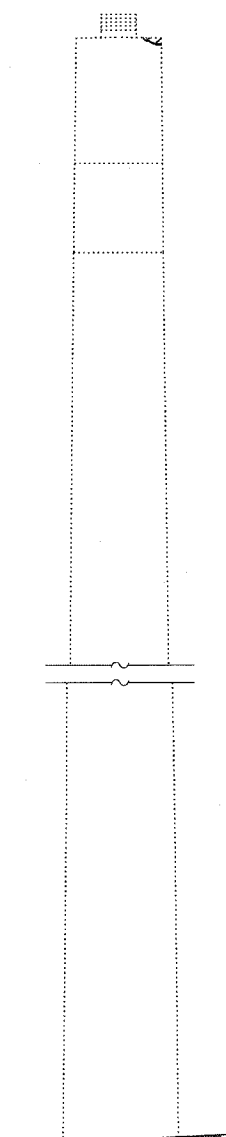
Contract # 66586

**NOTES:**

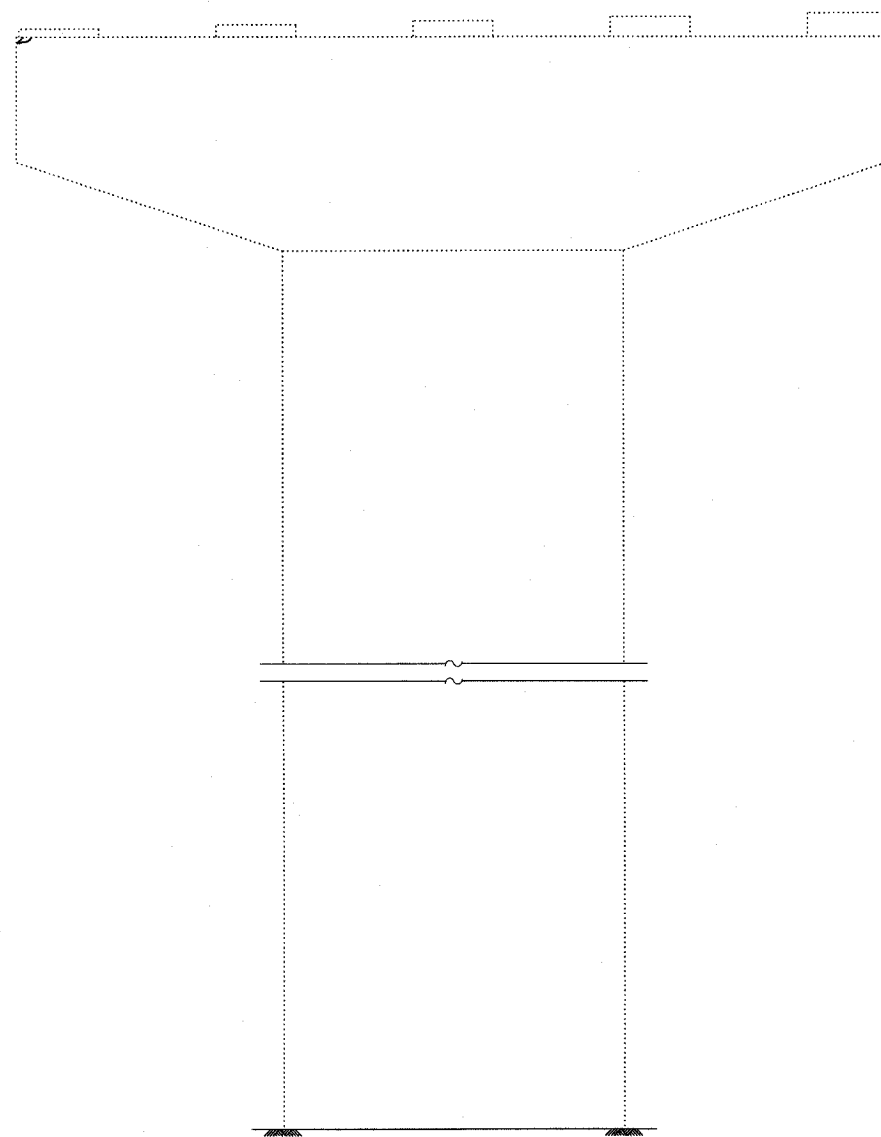
- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.



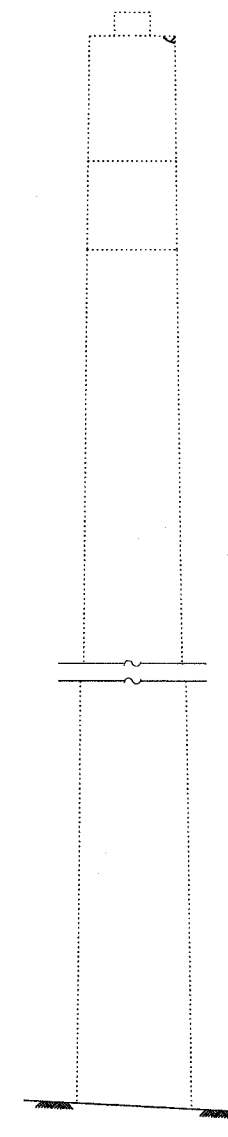
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	0.8

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
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(217) 483-4168  
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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3856

**PIER REPAIR - PIER 36 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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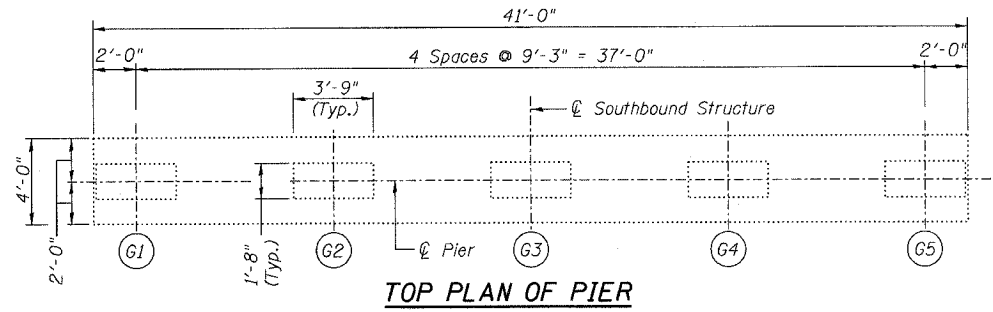
8/30/2006

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

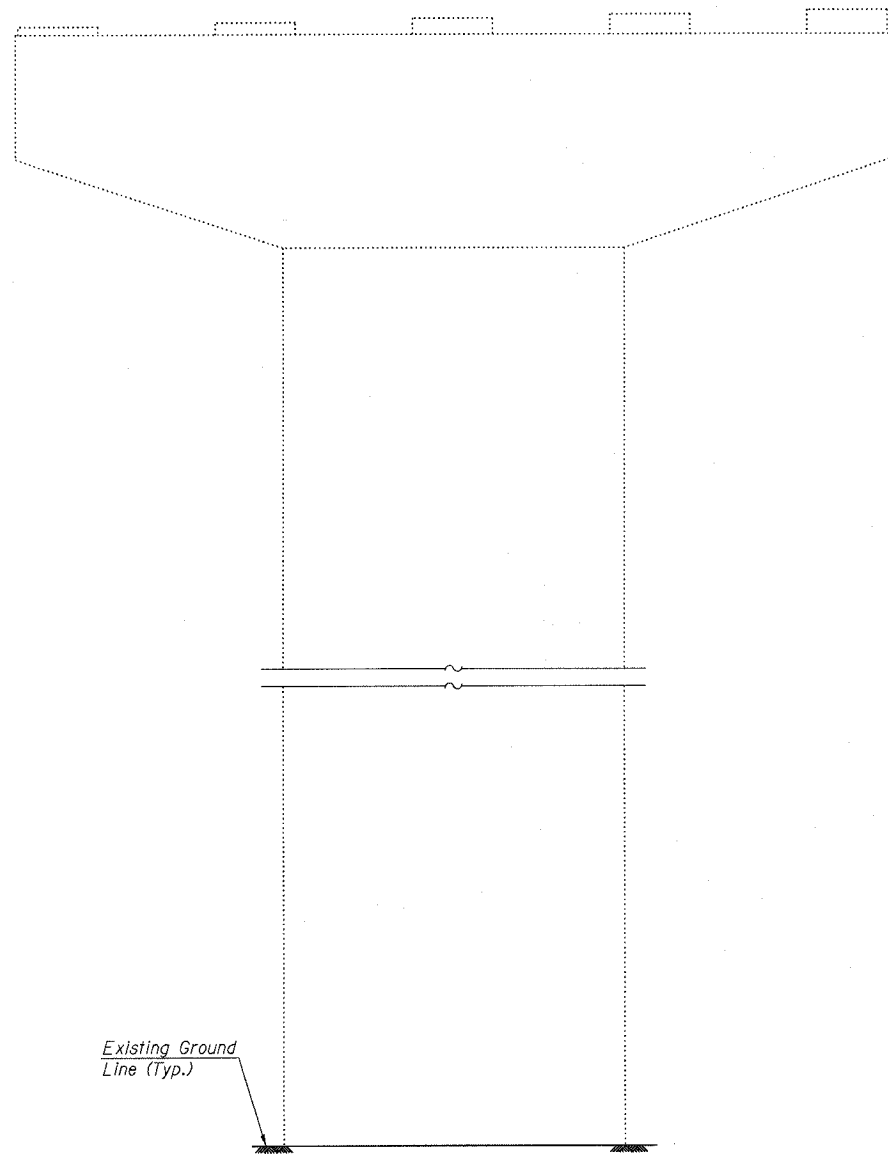
ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	300	313	297
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		

**NOTES:**

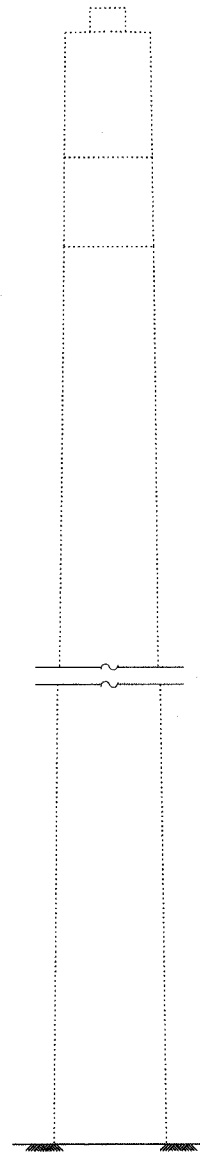
- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.



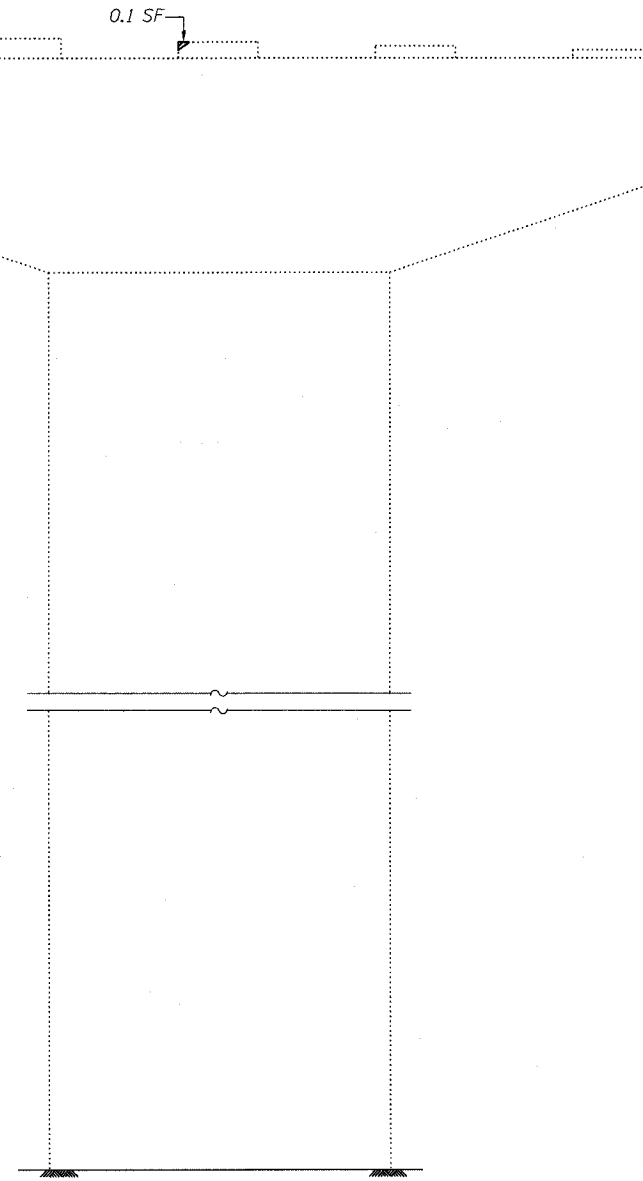
**TOP PLAN OF PIER**



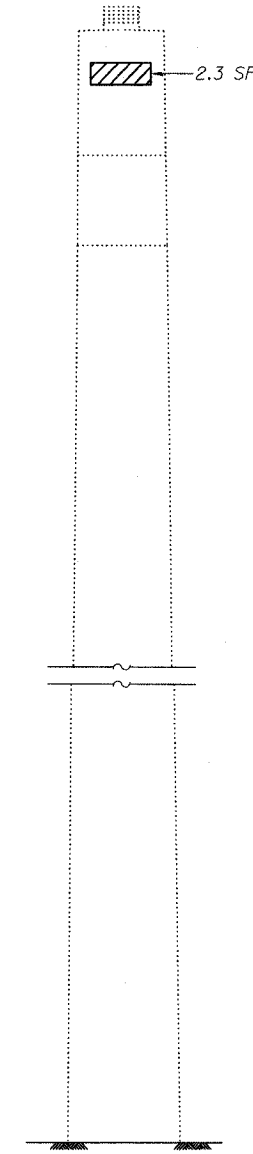
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

Existing Ground Line (Typ.)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	2.4

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4168  
FAX (217) 483-4706

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Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3856

**PIER REPAIR - PIER 37 SB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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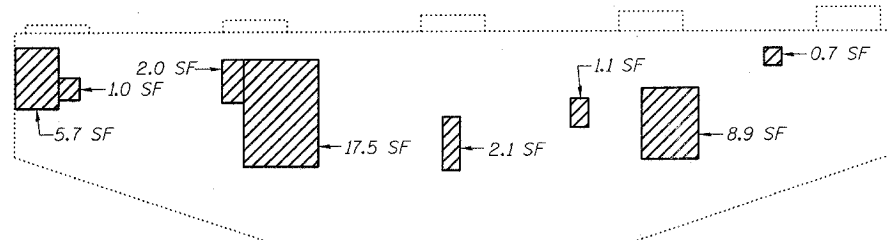
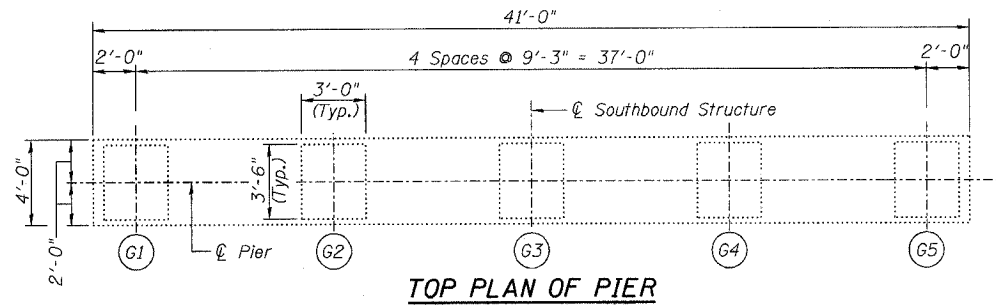
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 321	SHEET 321	SHEET NO. 298 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

Contract # 66586

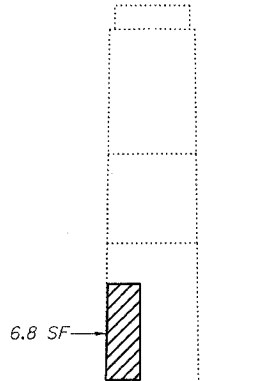
**NOTES:**

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- See Sheet 300 for rehabilitation of concrete pedestals.

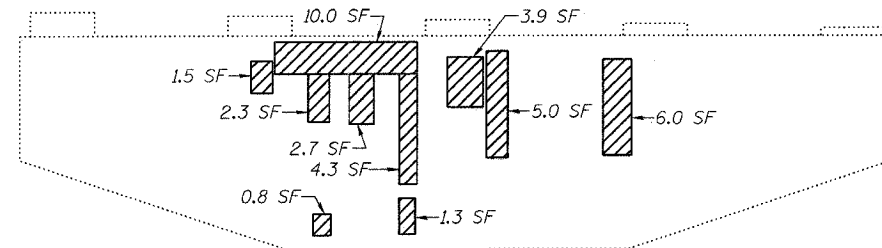


Existing Ground Line (Typ.)

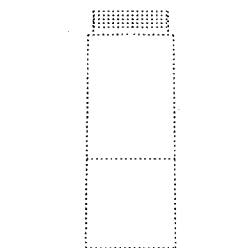
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

DESIGNED	ADB
CHECKED	DLS
DRAWN	KHH
CHECKED	MTH

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	83.6

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Channahon, Illinois 62629  
(271) 483-4568  
FAX (271) 483-4706

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Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-685-0450  
Job # 3856

**PIER REPAIR - PIER 38 SB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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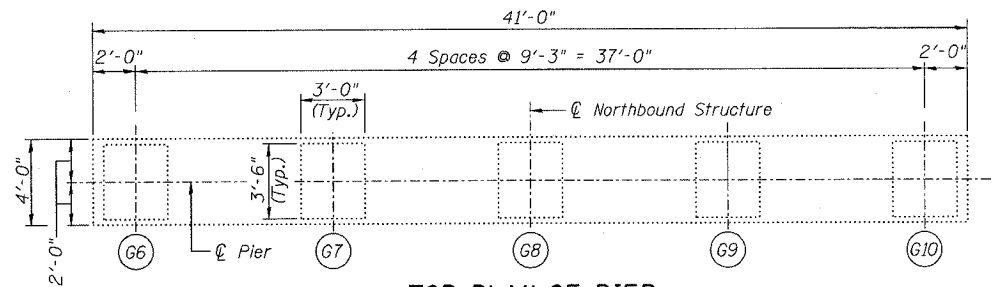
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE		322	299
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			313 SHEETS

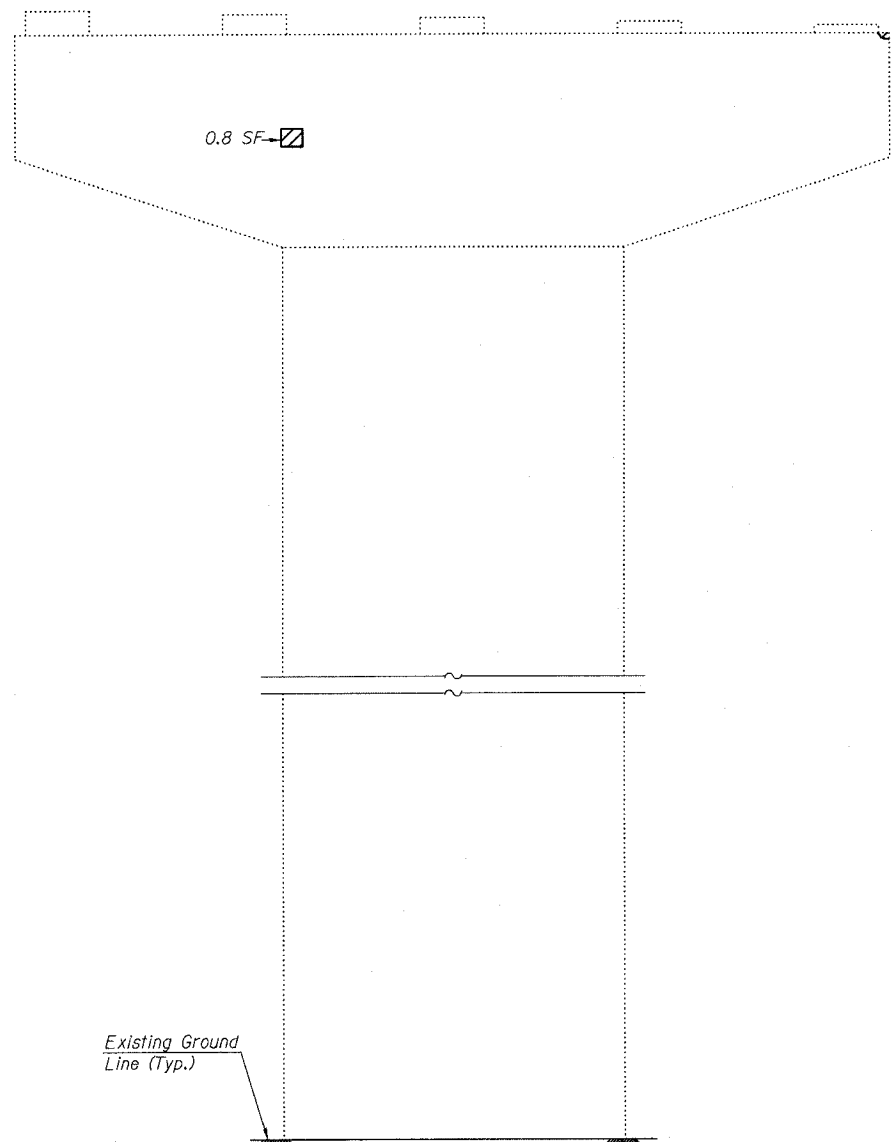
Contract # 66586

**NOTES:**

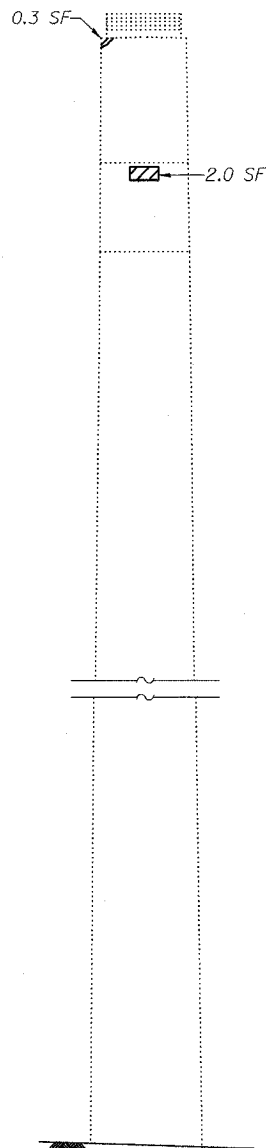
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- See Sheet 301 for rehabilitation of concrete pedestals.



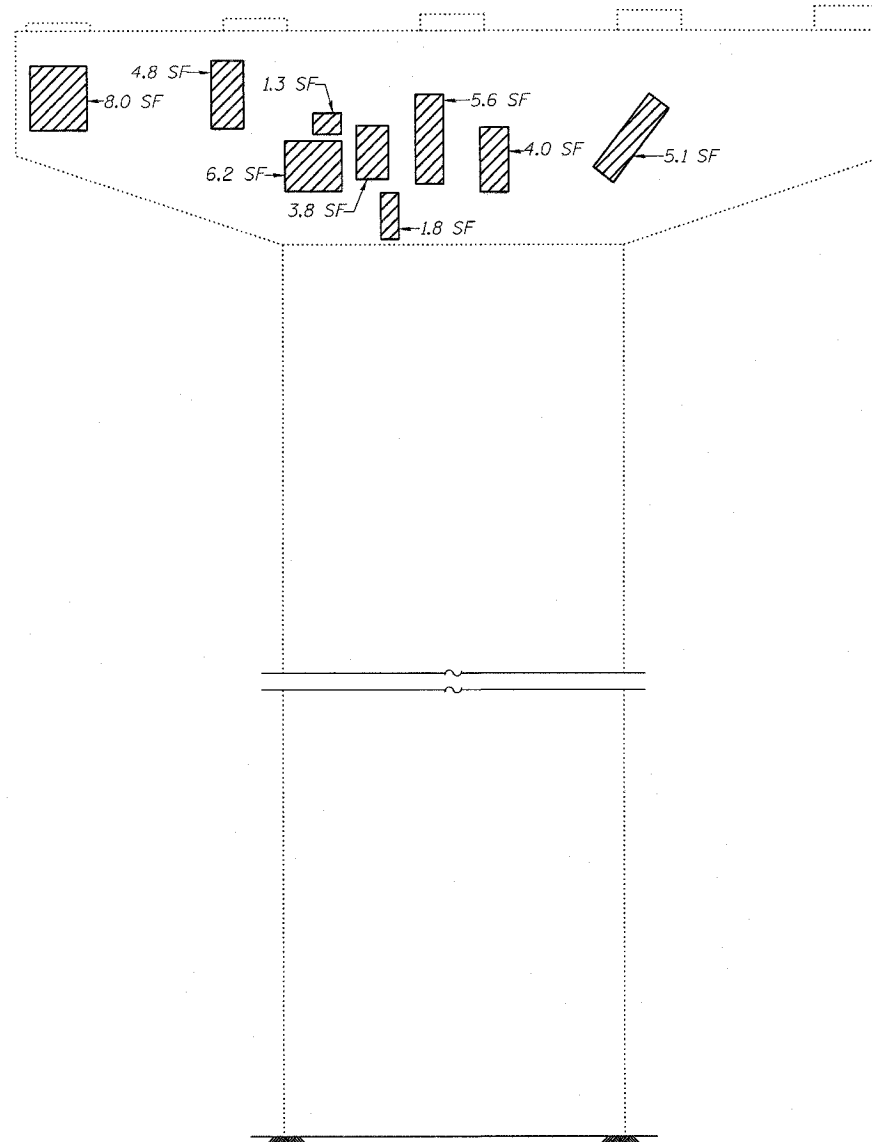
**TOP PLAN OF PIER**



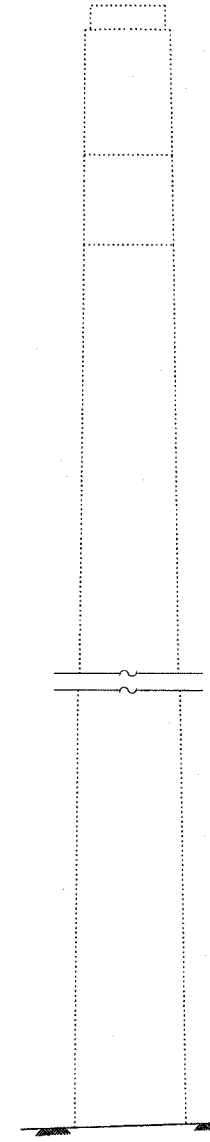
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	43.7

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4168  
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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3856

**PIER REPAIR - PIER 38 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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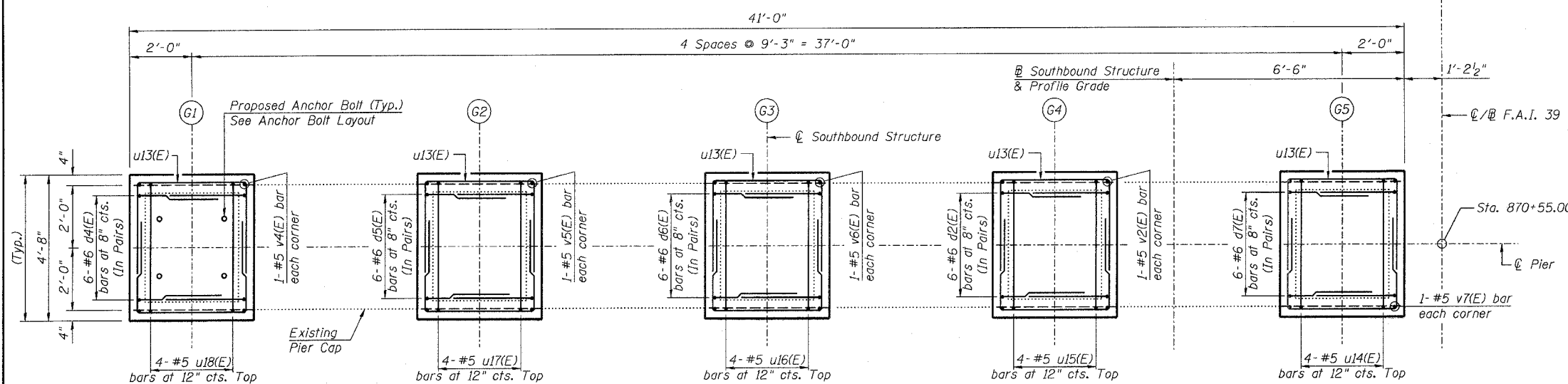
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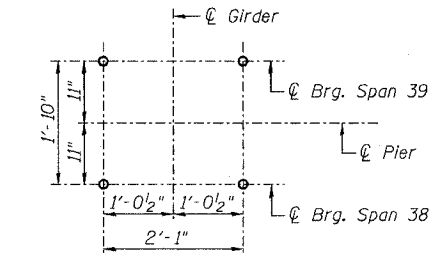
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE		203	300
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			313 SHEETS

Contract # 66586



TOP PLAN OF PIER



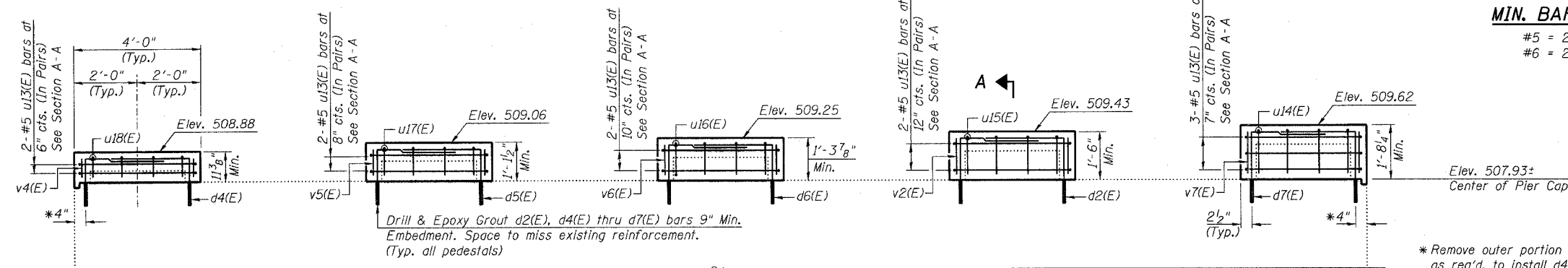
ANCHOR BOLT LAYOUT  
(Typ. each pedestal)

PIER 38 SB  
BILL OF MATERIAL

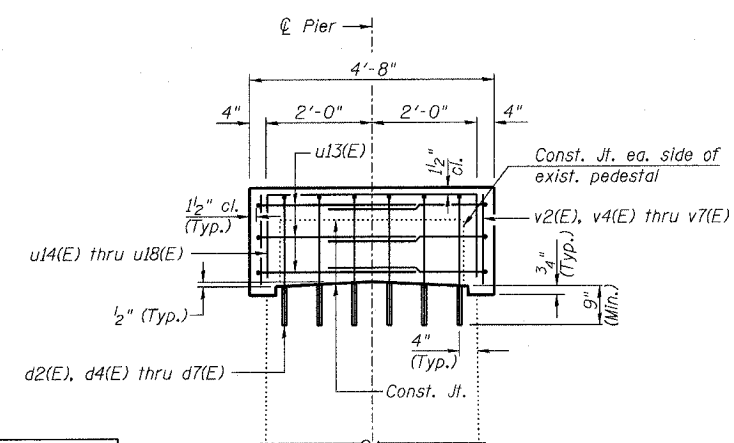
Bar	No.	Size	Length	Shape
d2(E)	12	#6	5'-3"	┌
d4(E)	12	#6	4'-8"	┌
d5(E)	12	#6	4'-10"	┌
d6(E)	12	#6	5'-0"	┌
d7(E)	12	#6	5'-5"	┌
u13(E)	22	#5	10'-5"	▬
u14(E)	4	#5	7'-1"	▬
u15(E)	4	#5	6'-9"	▬
u16(E)	4	#5	6'-5"	▬
u17(E)	4	#5	6'-1"	▬
u18(E)	4	#5	5'-7"	▬
v2(E)	4	#5	1'-4"	▬
v4(E)	4	#5	0'-9"	▬
v5(E)	4	#5	0'-11"	▬
v6(E)	4	#5	1'-2"	▬
v7(E)	4	#5	1'-6"	▬
Concrete Structures	Cu. Yd.		3.9	
Reinforcement Bars, Epoxy Coated	Pound		850	
Bridge Seal Sealer	Sq. Ft.		311	
Concrete Removal	Cu. Yd.		0.7	

MIN. BAR LAP

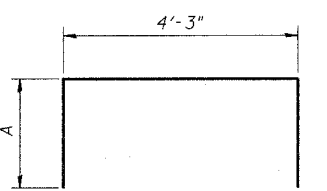
#5 = 2'-2"  
#6 = 2'-7"



ELEVATION  
(Looking North)

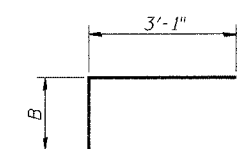


SECTION A-A



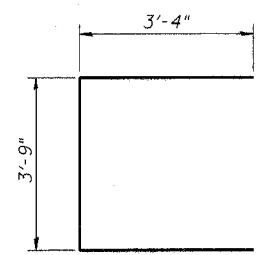
BARS u14(E) thru u18(E)

Bar	A
u14(E)	1'-5"
u15(E)	1'-3"
u16(E)	1'-1"
u17(E)	11"
u18(E)	8"



BARS d2(E), d4(E) thru d7(E)

Bar	B
d2(E)	2'-2"
d4(E)	1'-7"
d5(E)	1'-9"
d6(E)	1'-11"
d7(E)	2'-4"



BAR u13(E)

NOTES:

1. Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
2. Space pedestal reinforcement to miss proposed anchor bolts.
3. See Sheet 19 for removal details.
4. See Sheet 215 for bearing details.

PEDESTAL REHAB. - PIER 38 SB  
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER  
THE ILLINOIS RIVER (PUBLIC WATERS)  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Crahan, Illinois 62629  
(217) 483-4168  
FAX (217) 483-4706

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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-265-0450  
Job # 3856

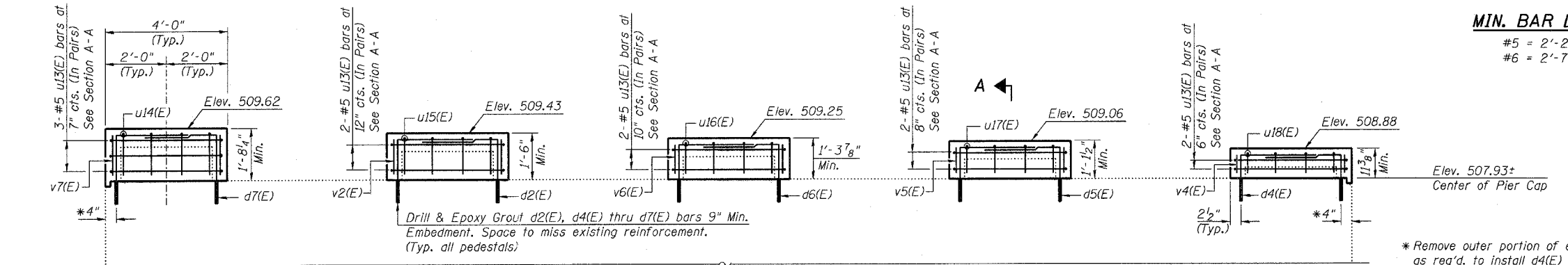
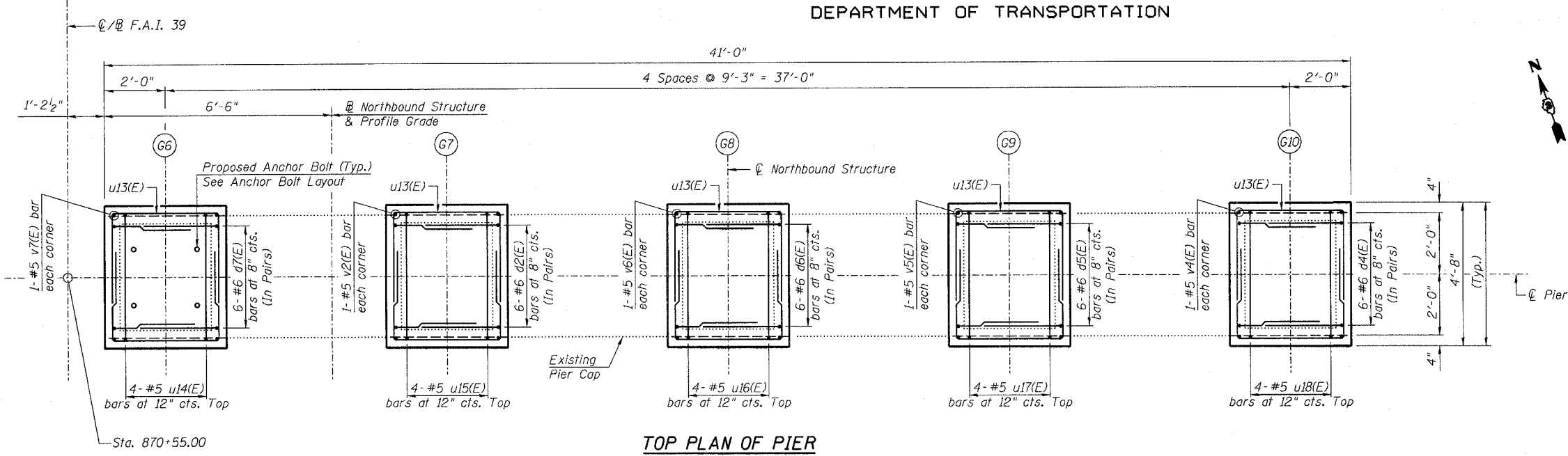
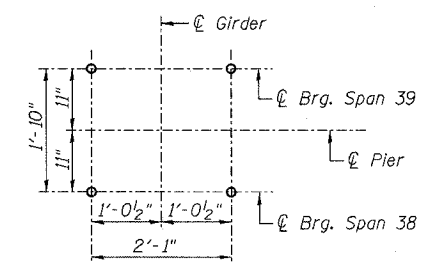
DESIGNED - DLS
CHECKED - STD
DRAWN - SGL
CHECKED - MTH

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 301
F.A.I. 39	50-4B	LASALLE	304		313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract # 66586



MIN. BAR LAP  
#5 = 2'-2"  
#6 = 2'-7"

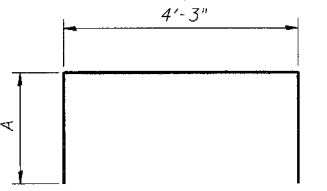
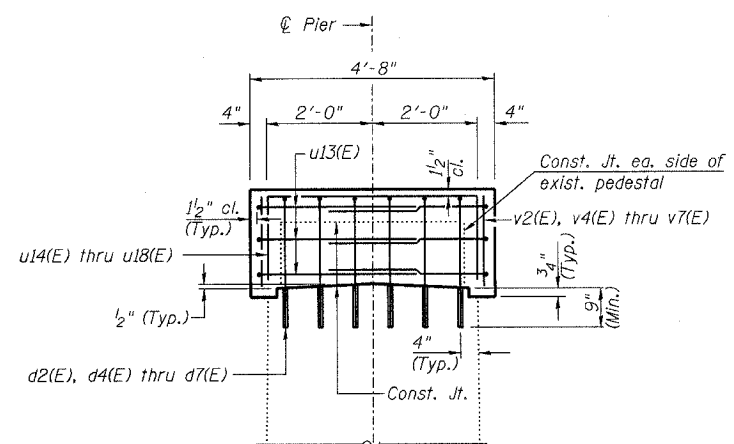
PIER 38 NB  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d2(E)	12	#6	5'-3"	
d4(E)	12	#6	4'-8"	
d5(E)	12	#6	4'-10"	
d6(E)	12	#6	5'-0"	
d7(E)	12	#6	5'-5"	
u13(E)	22	#5	10'-5"	
u14(E)	4	#5	7'-1"	
u15(E)	4	#5	6'-9"	
u16(E)	4	#5	6'-5"	
u17(E)	4	#5	6'-1"	
u18(E)	4	#5	5'-7"	
v2(E)	4	#5	1'-4"	
v4(E)	4	#5	0'-9"	
v5(E)	4	#5	0'-11"	
v6(E)	4	#5	1'-2"	
v7(E)	4	#5	1'-6"	
Concrete Structures		Cu. Yd.	3.9	
Reinforcement Bars, Epoxy Coated		Pound	850	
Bridge Seat Sealer		Sq. Ft.	311	
Concrete Removal		Cu. Yd.	0.7	

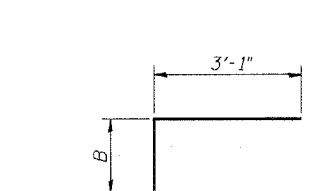
Reinforcement Bars designated (E) shall be epoxy coated.

NOTES:

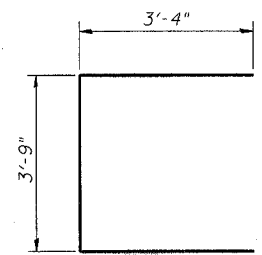
- Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
- Space pedestal reinforcement to miss proposed anchor bolts.
- See Sheet 19 for removal details.
- See Sheet 215 for bearing details.



Bar	A
u14(E)	1'-5"
u15(E)	1'-3"
u16(E)	1'-1"
u17(E)	11"
u18(E)	8"



Bar	B
d2(E)	2'-2"
d4(E)	1'-7"
d5(E)	1'-9"
d6(E)	1'-11"
d7(E)	2'-4"



DESIGNED - DLS
CHECKED - STD
DRAWN - SGL
CHECKED - MTH

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210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4668  
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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-555-0450  
Job # 3856

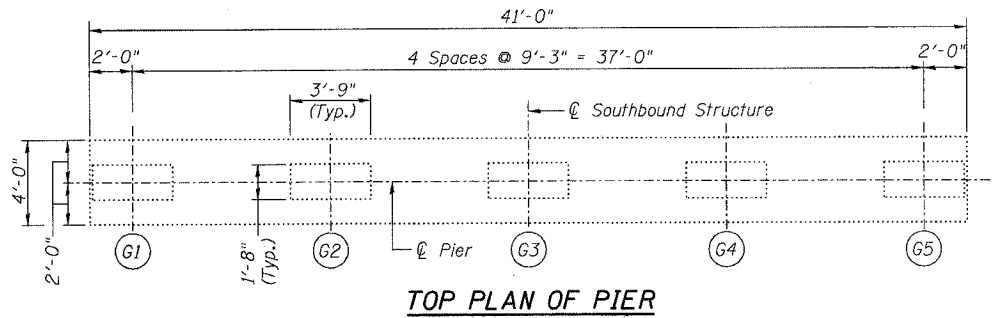
PEDESTAL REHAB. - PIER 38 NB  
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER  
THE ILLINOIS RIVER (PUBLIC WATERS)  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)

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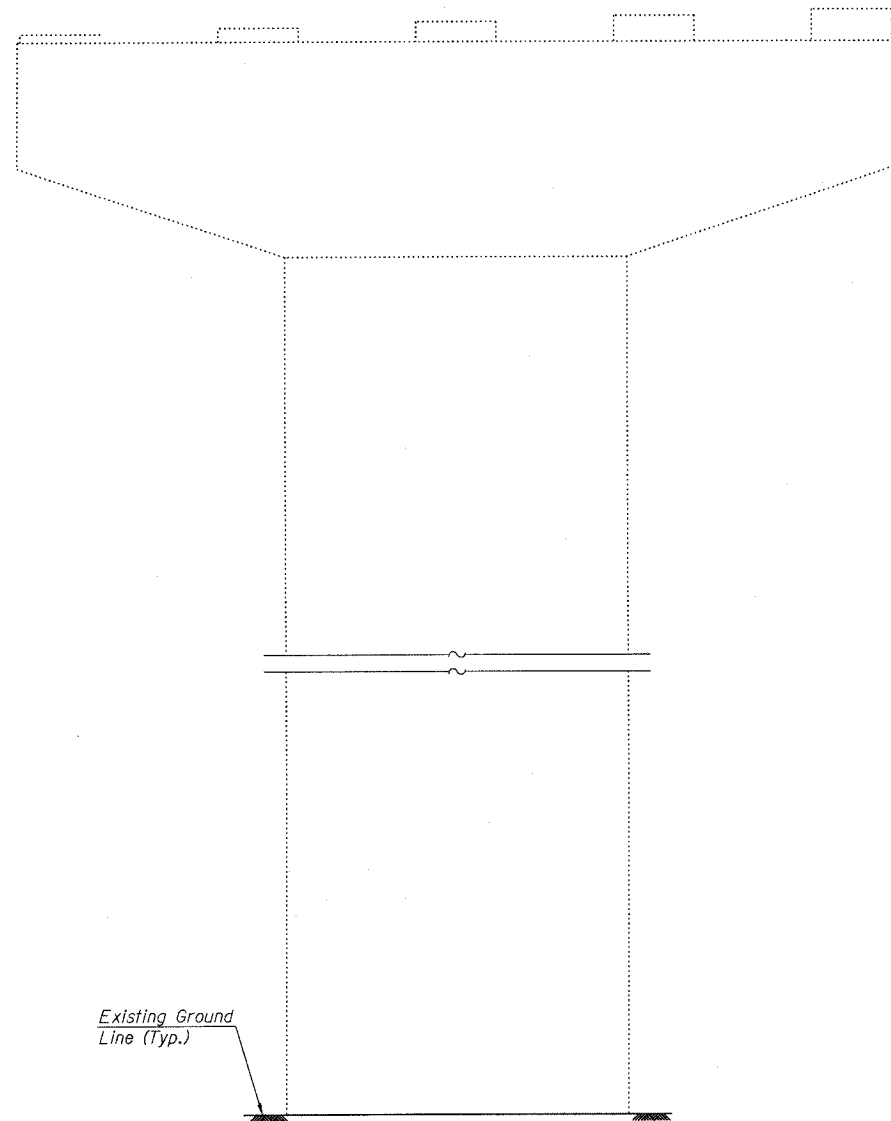
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
F.A.I. 39	50-4B	LASALLE	325	302	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	Contract # 66586		

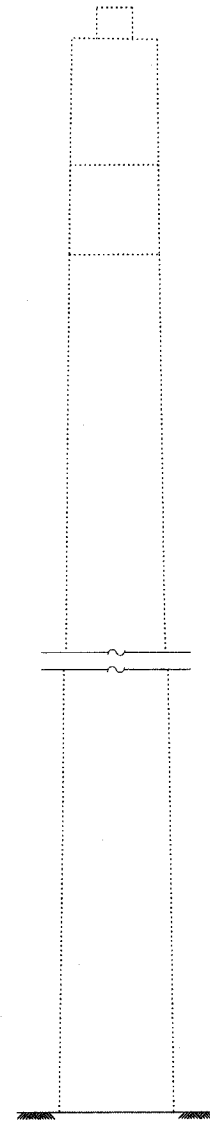


**NOTES:**

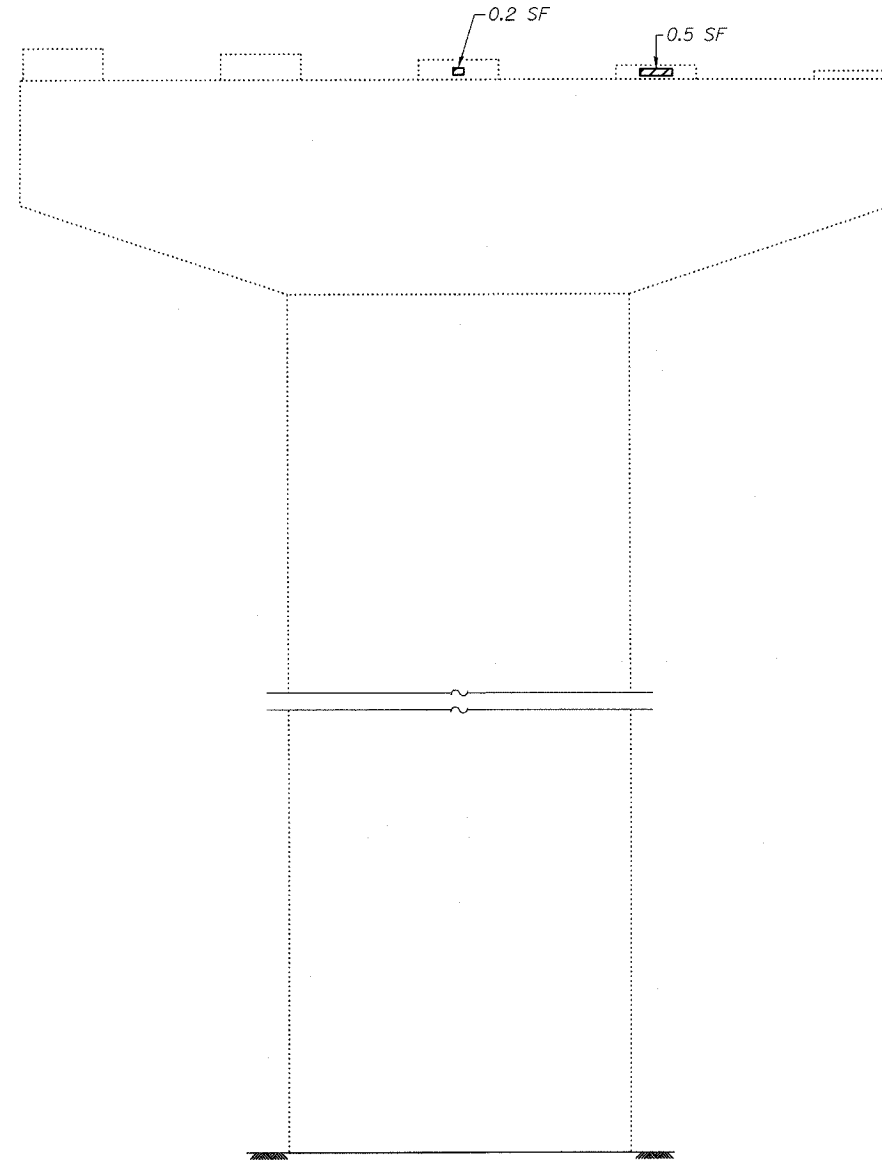
1. The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.



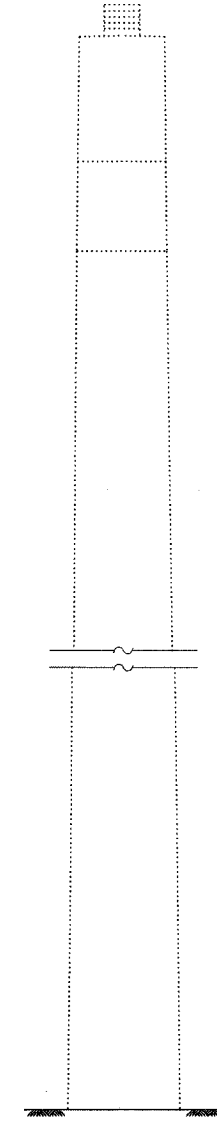
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

**LEGEND**  
 Structural Repair of Concrete (Depth equal to or less than 5")  
 SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	0.7

DESIGNED	ADB
CHECKED	DLS
DRAWN	KHH
CHECKED	MTH

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 210 W. Chestnut  
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 Engineers - Surveyors - Planners  
 235 North Michigan Avenue, Suite 2400  
 Chicago, Illinois 60601  
 312-965-0450  
 Job # 3856

**PIER REPAIR - PIER 39 SB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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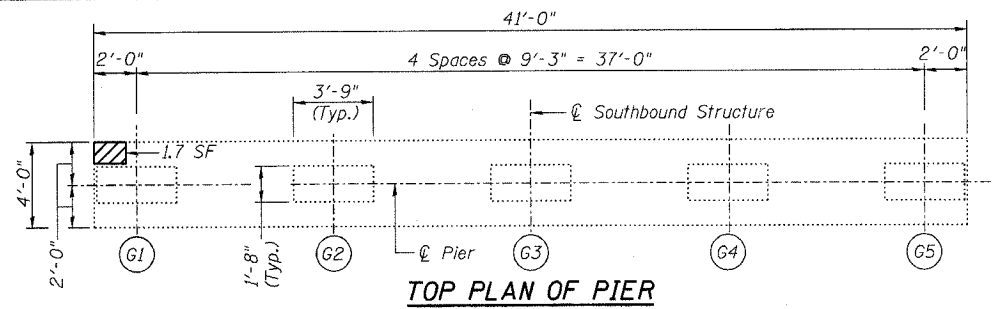
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 303 313 SHEETS
F.A.I. 39	50-4B	LASALLE		326	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

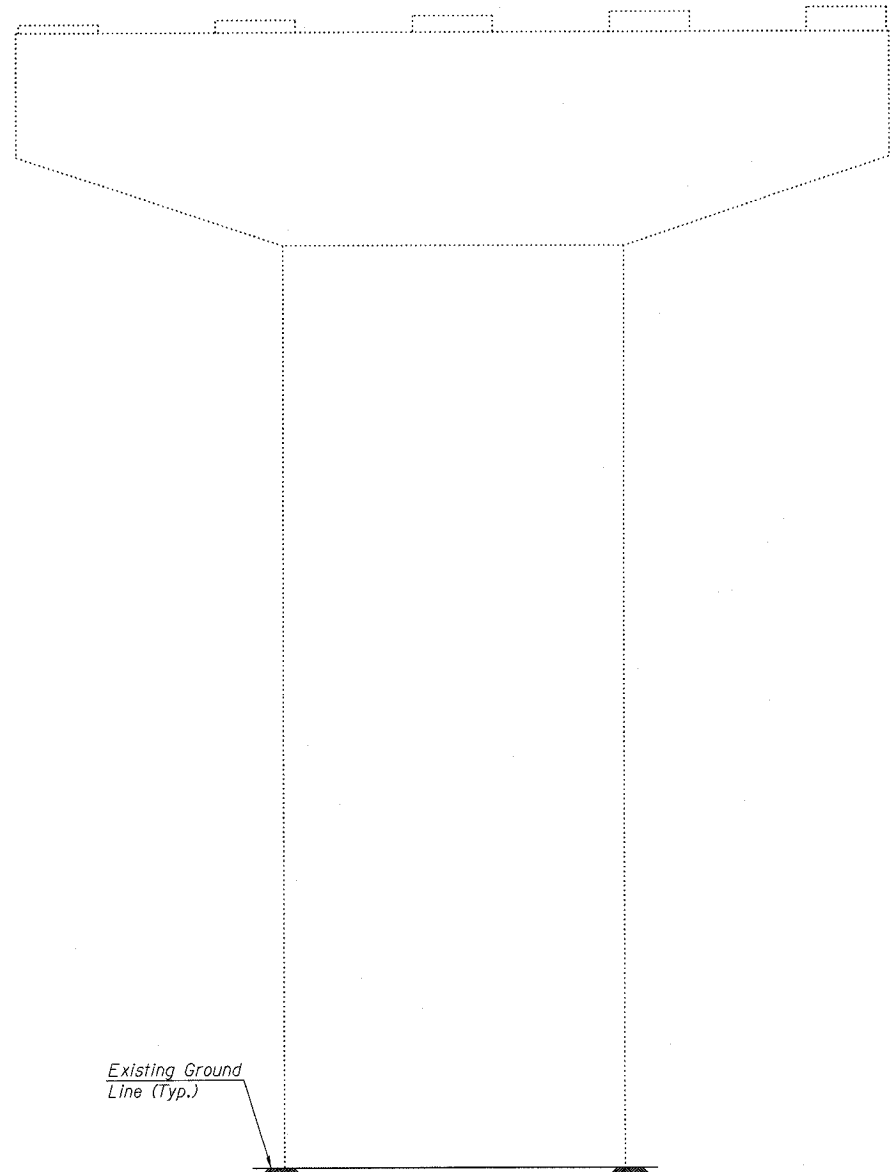
Contract # 66586

**NOTES:**

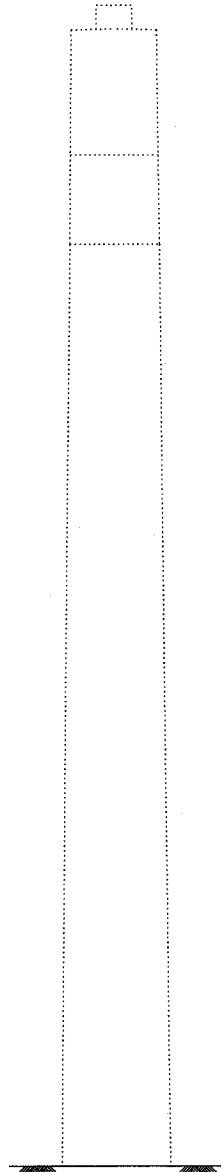
- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.



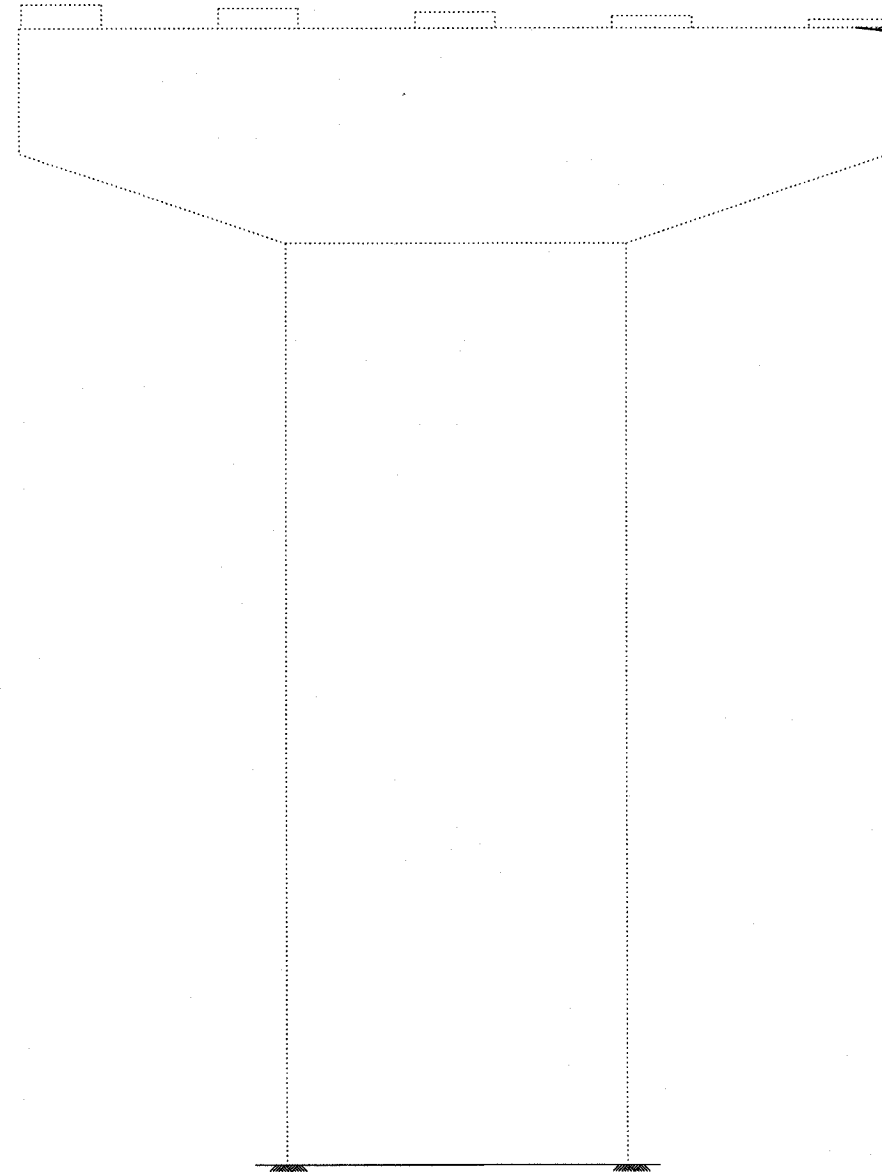
**TOP PLAN OF PIER**



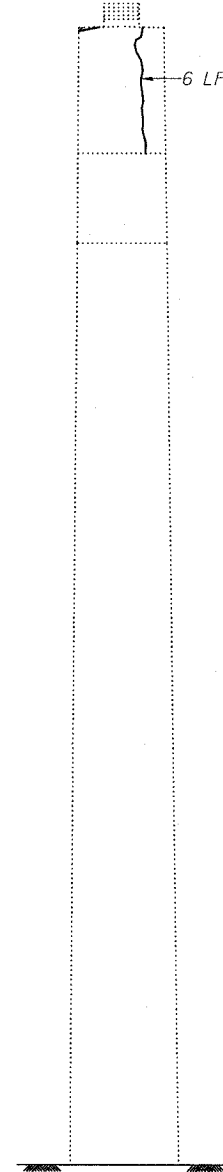
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- Epoxy Crack Sealing (Cracks ≥ 1/16" Wide)
- SF Square Feet
- LF Linear Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	1.7
Epoxy Crack Sealing	LF	6

DESIGNED	ADB
CHECKED	DLS
DRAWN	KHH
CHECKED	MTH

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Channahon, Illinois 62629  
(271) 483-4168  
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Chicago, Illinois 60601  
312-665-0460  
Job # 3856

**PIER REPAIR - PIER 40 SB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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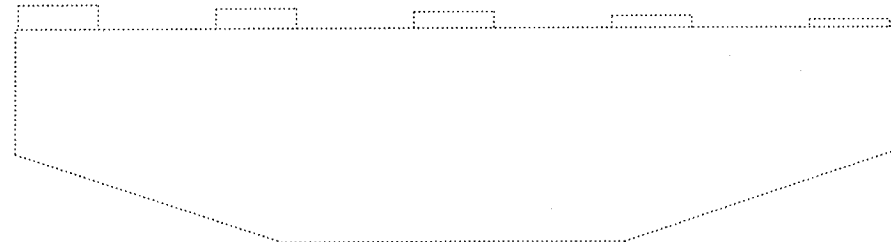
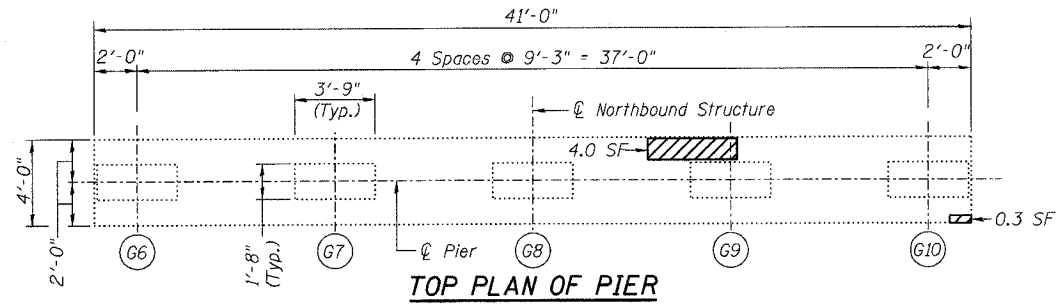
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	327	327	304
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

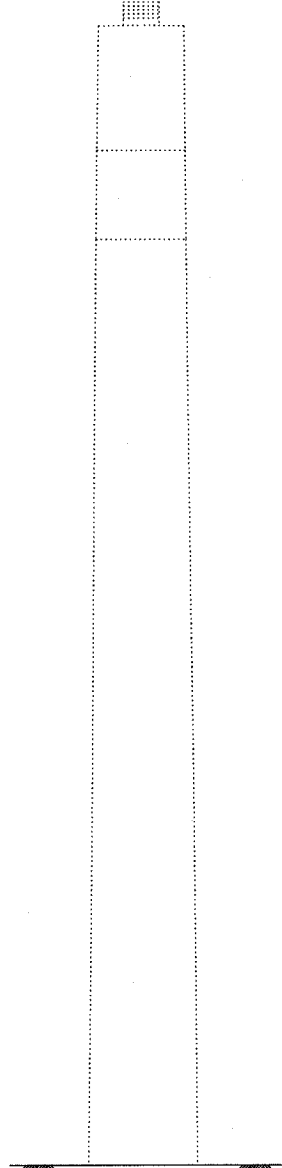
Contract # 66586

**NOTES:**

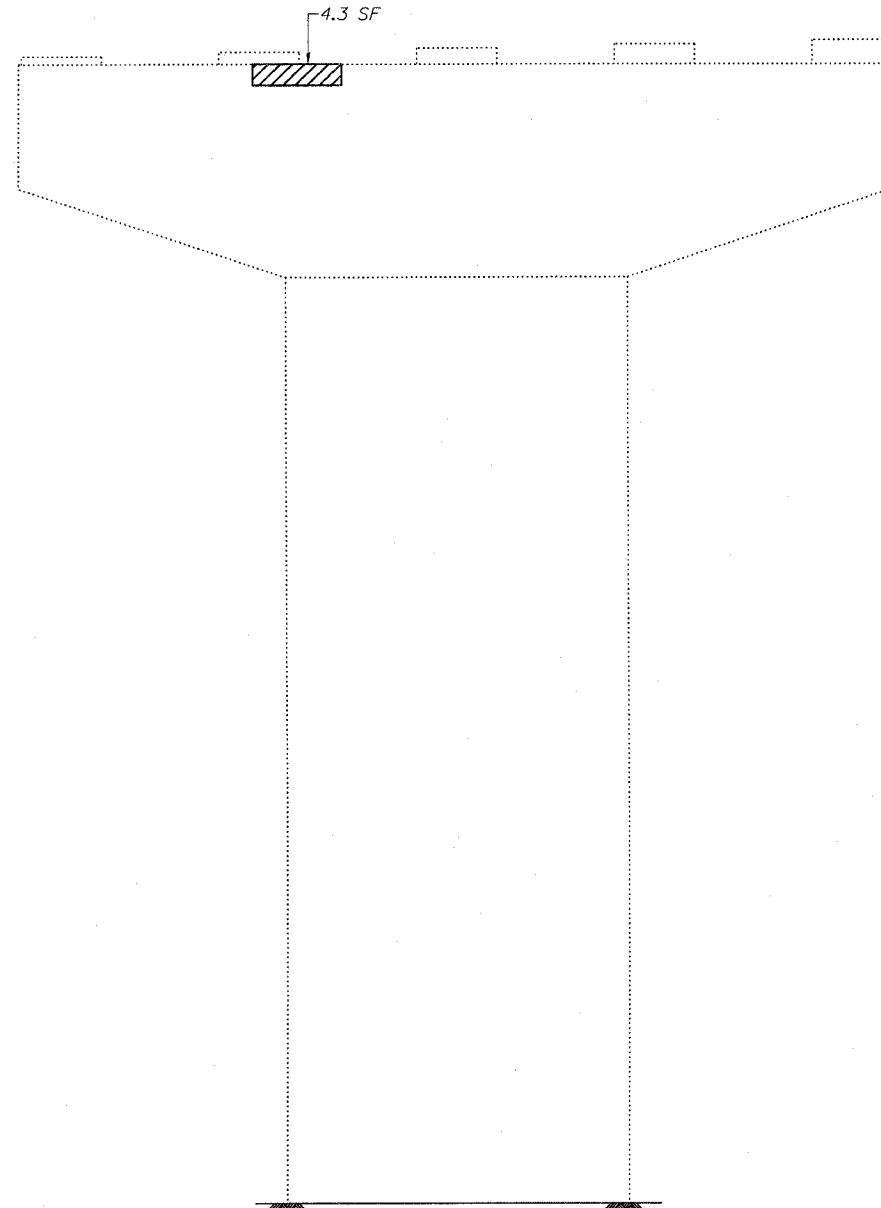
- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.



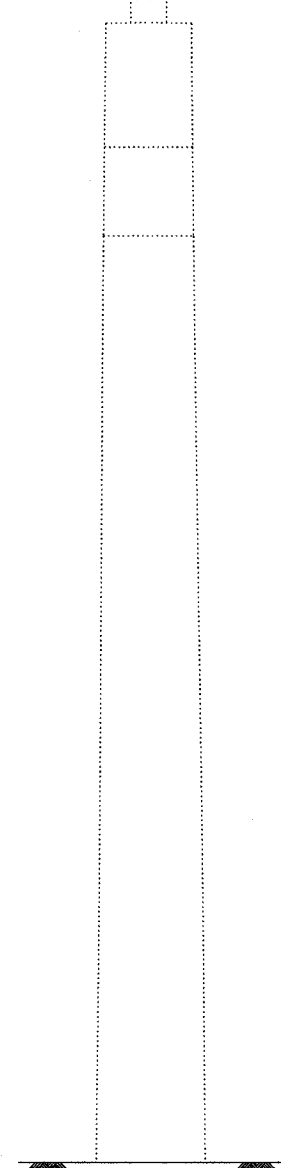
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

Existing Ground Line (Typ.)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	8.6

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

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210 W. Chestnut  
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(217) 483-4168  
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Chicago, Illinois 60601  
312-525-0450  
Job # 3856

**PIER REPAIR - PIER 40 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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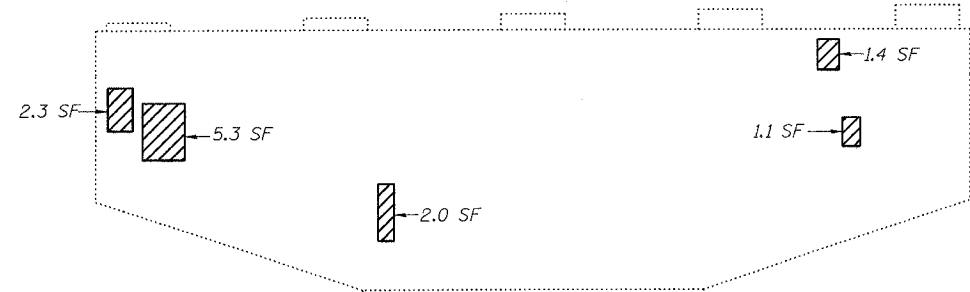
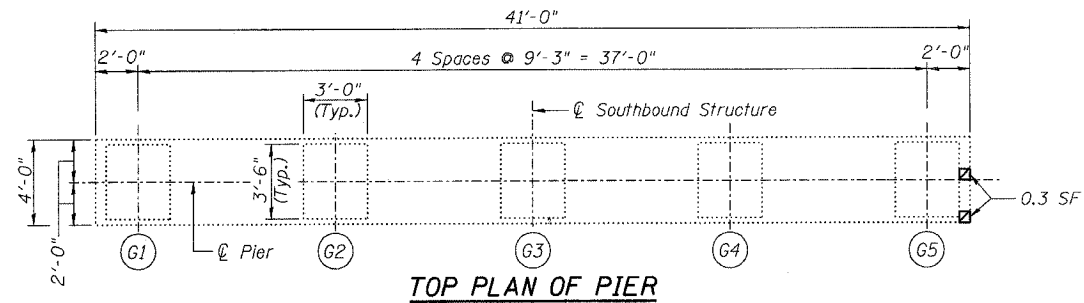
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE		328	305
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586

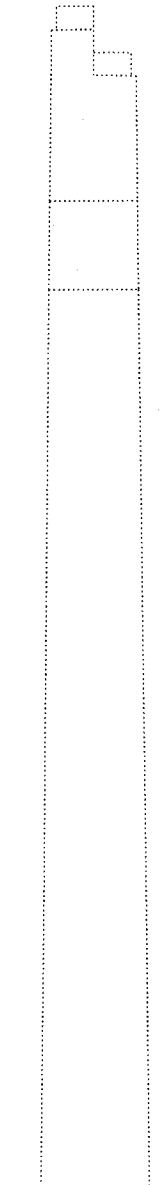
**NOTES:**

- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.
- See Sheet 307 for rehabilitation of concrete pedestals.

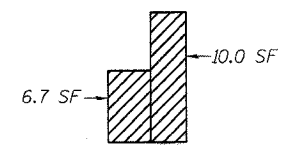
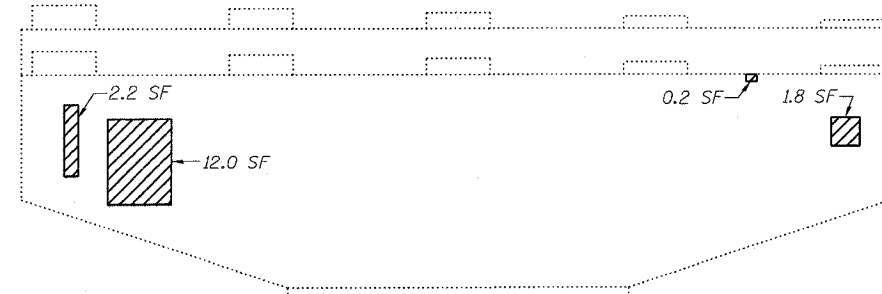


Existing Ground Line (Typ.)

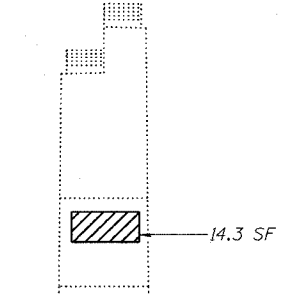
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

**LEGEND**

Structural Repair of Concrete (Depth equal to or less than 5")  
SF Square Feet

DESIGNED	ADB
CHECKED	DLS
DRAWN	KHH
CHECKED	MTH

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	59.9

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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-965-0450  
Job # 3856

**PIER REPAIR - PIER 41 SB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

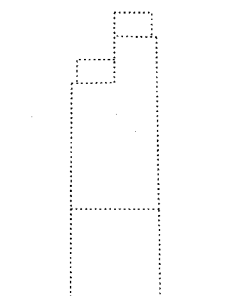
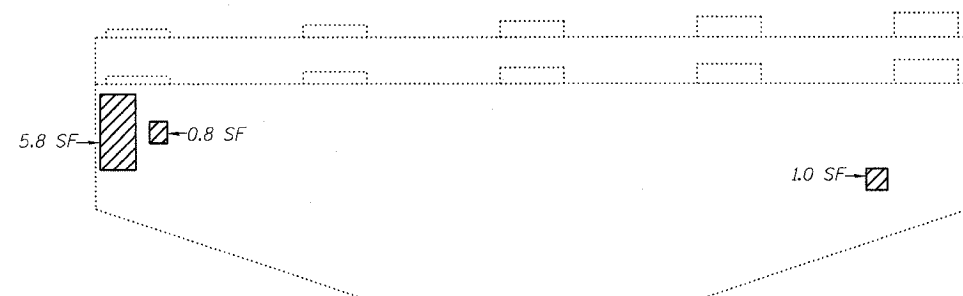
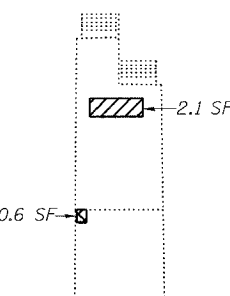
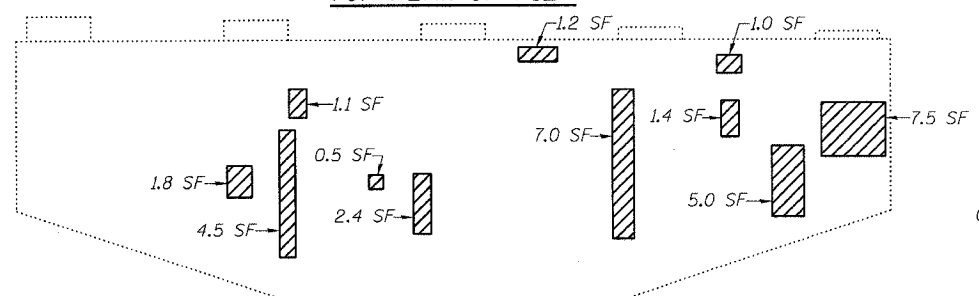
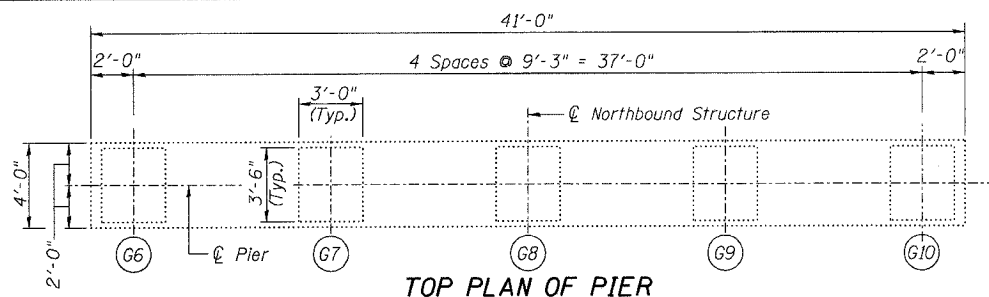
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET NO. 329	SHEET NO. 306 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT Contract # 66586		

**NOTES:**

- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.
- See Sheet 308 for rehabilitation of concrete pedestals.



Existing Ground Line (Typ.)

**ELEVATION**  
(Looking North)

**END VIEW**  
(Looking West)

**ELEVATION**  
(Looking South)

**END VIEW**  
(Looking East)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	43.7

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

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210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4168  
FAX (217) 483-4706

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Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-585-0450  
Job # 3856

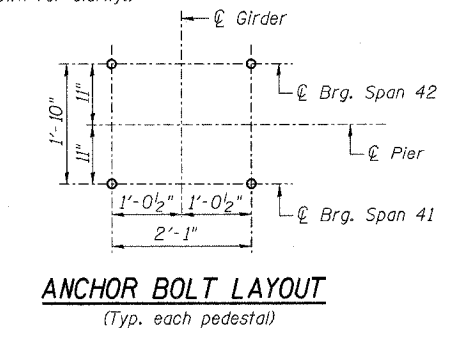
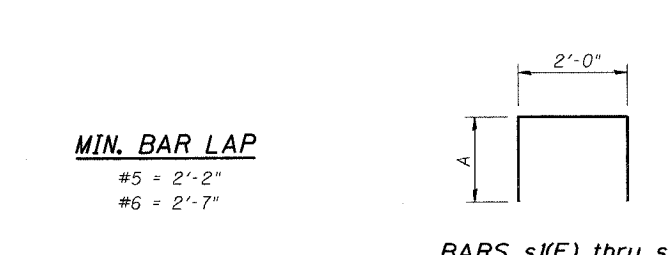
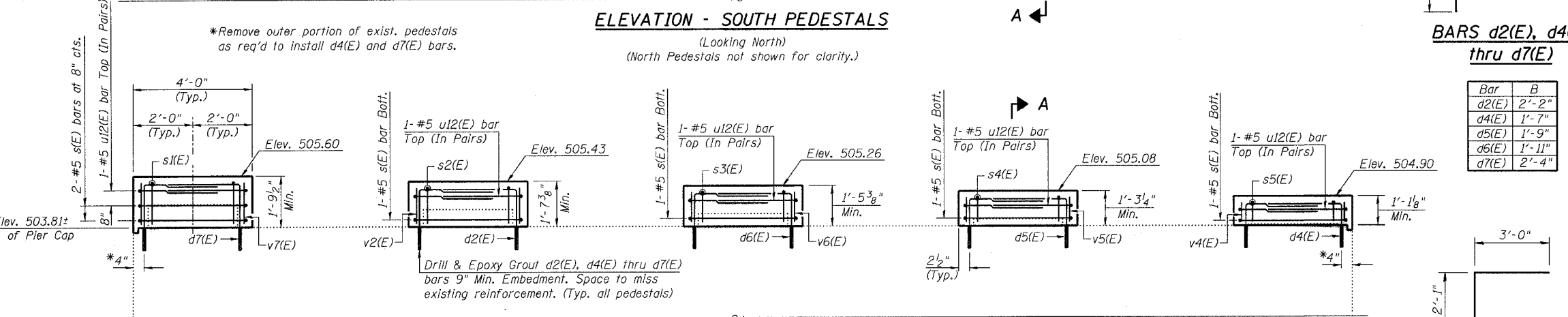
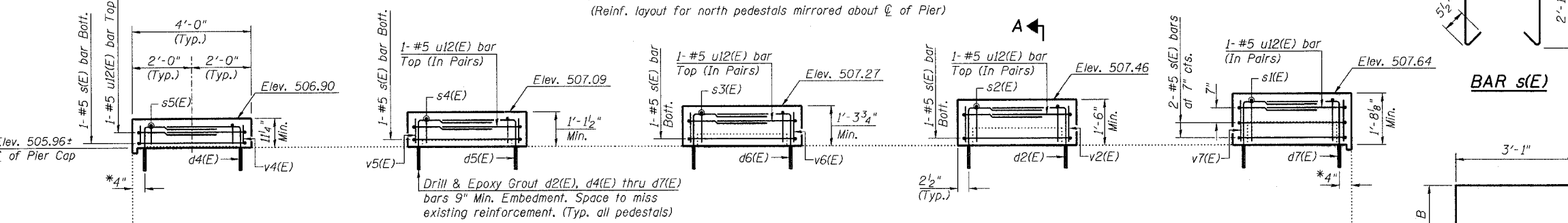
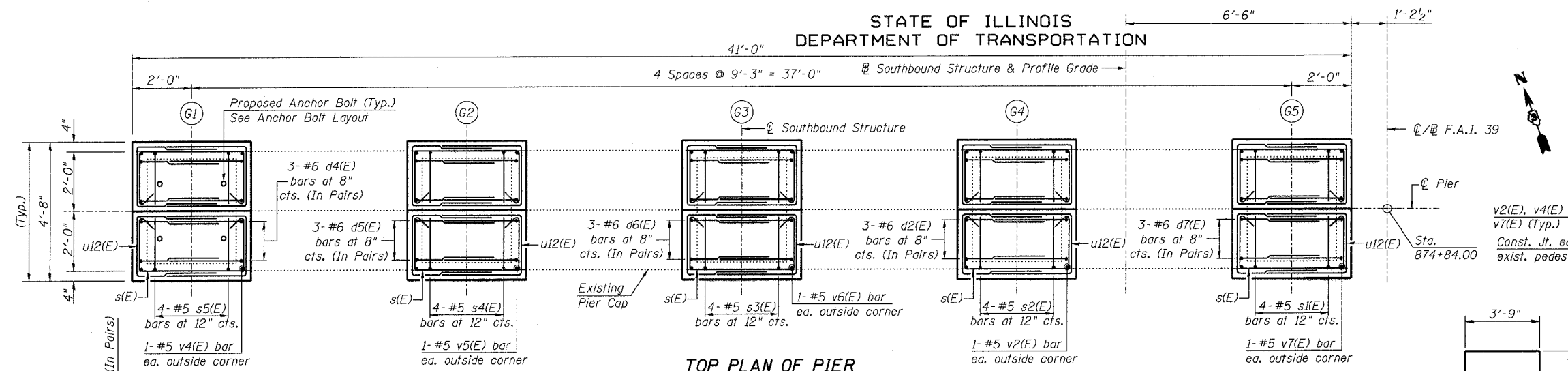
**PIER REPAIR - PIER 41 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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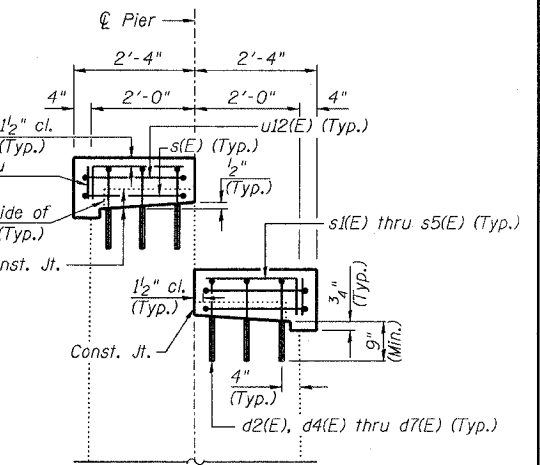
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	330	313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract # 66586



DESIGNED - DLS
CHECKED - STD
DRAWN - KHH
CHECKED - MTH



PIER 41 SB  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d2(E)	12	#6	5'-3"	┌
d4(E)	12	#6	4'-8"	┌
d5(E)	12	#6	4'-10"	┌
d6(E)	12	#6	5'-0"	┌
d7(E)	12	#6	5'-5"	┌
s(E)	12	#5	8'-10"	┌
s1(E)	8	#5	5'-0"	┌
s2(E)	8	#5	4'-8"	┌
s3(E)	8	#5	4'-4"	┌
s4(E)	8	#5	3'-10"	┌
s5(E)	8	#5	3'-6"	┌
v2(E)	4	#5	1'-4"	—
v4(E)	4	#5	0'-9"	—
v5(E)	4	#5	0'-11"	—
v6(E)	4	#5	1'-2"	—
v7(E)	4	#5	1'-6"	—
u12(E)	20	#5	8'-1"	┌
Concrete Structures		Cu. Yd.	4.1	
Reinforcement Bars, Epoxy Coated		Pound	940	
Bridge Seat Sealer		Sq. Ft.	345	
Concrete Removal		Cu. Yd.	0.7	

Reinforcement Bars designated (E) shall be epoxy coated.

- NOTES:
1. Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
  2. Space pedestal reinforcement to miss proposed anchor bolts.
  3. See Sheet 19 for removal details.
  4. See Sheet 215 for bearing details.

PEDESTAL REHAB. - PIER 41 SB  
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER  
THE ILLINOIS RIVER (PUBLIC WATERS)  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)

**LIN ENGINEERING, LTD.** **benesch**

alfred benesch & company  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-566-0450  
Job # 3856

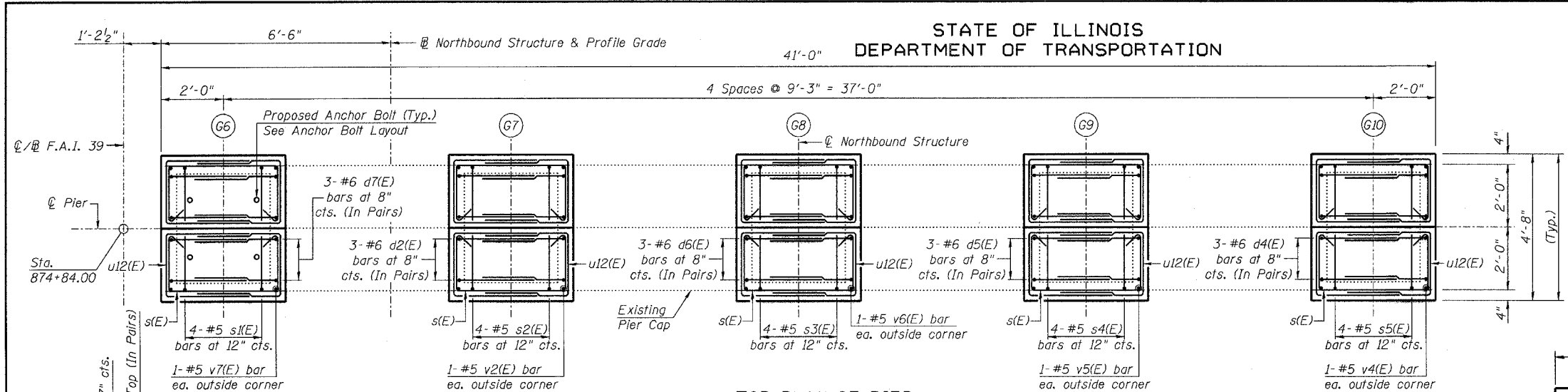
210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4168  
FAX (217) 483-4706

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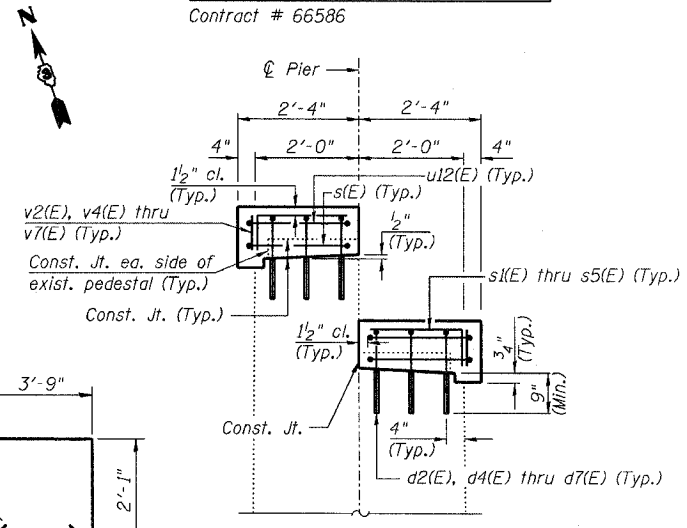
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	331	308
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	313 SHEETS

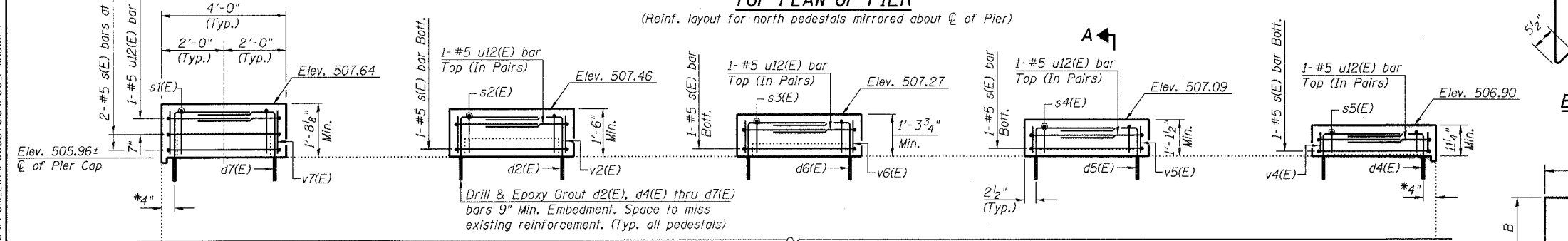
Contract # 66586



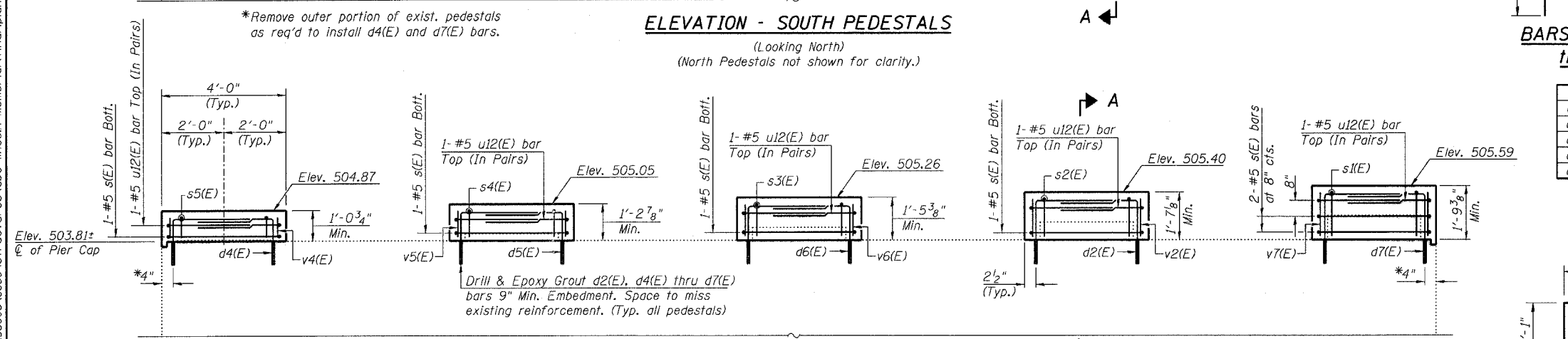
**TOP PLAN OF PIER**  
(Reinf. layout for north pedestals mirrored about  $\bar{C}$  of Pier)



**SECTION A-A**



**ELEVATION - SOUTH PEDESTALS**  
(Looking North)  
(North Pedestals not shown for clarity.)



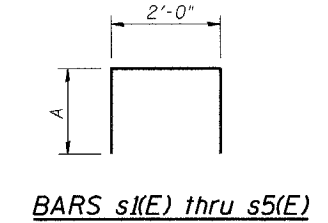
**ELEVATION - NORTH PEDESTALS**  
(Looking South)  
(South pedestals not shown for clarity.)

**PIER 41 NB  
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
d2(E)	12	#6	5'-3"	┌
d4(E)	12	#6	4'-8"	┌
d5(E)	12	#6	4'-10"	┌
d6(E)	12	#6	5'-0"	┌
d7(E)	12	#6	5'-5"	┌
s(E)	12	#5	8'-10"	┌
s1(E)	8	#5	5'-0"	┌
s2(E)	8	#5	4'-8"	┌
s3(E)	8	#5	4'-4"	┌
s4(E)	8	#5	3'-10"	┌
s5(E)	8	#5	3'-6"	┌
v2(E)	4	#5	1'-4"	—
v4(E)	4	#5	0'-9"	—
v5(E)	4	#5	0'-11"	—
v6(E)	4	#5	1'-2"	—
v7(E)	4	#5	1'-6"	—
u12(E)	20	#5	8'-1"	┌
Concrete Structures		Cu. Yd.	4.1	
Reinforcement Bars, Epoxy Coated		Pound	940	
Bridge Seat Sealer		Sq. Ft.	344	
Concrete Removal		Cu. Yd.	0.7	

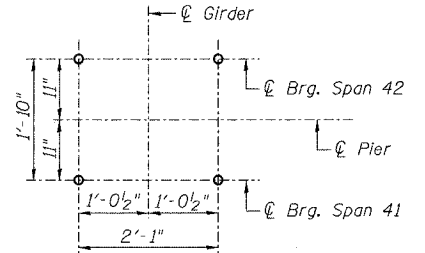
Reinforcement Bars designated (E) shall be epoxy coated.

**MIN. BAR LAP**  
#5 = 2'-2"  
#6 = 2'-7"



**BARS s1(E) thru s5(E)**

Bar	A
s1(E)	1'-6"
s2(E)	1'-4"
s3(E)	1'-2"
s4(E)	1"
s5(E)	9"



**ANCHOR BOLT LAYOUT**  
(Typ. each pedestal)

**NOTES:**

- Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
- Space pedestal reinforcement to miss proposed anchor bolts.
- See Sheet 19 for removal details.
- See Sheet 215 for bearing details.

**PEDESTAL REHAB. - PIER 41 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4868  
FAX (217) 483-4706

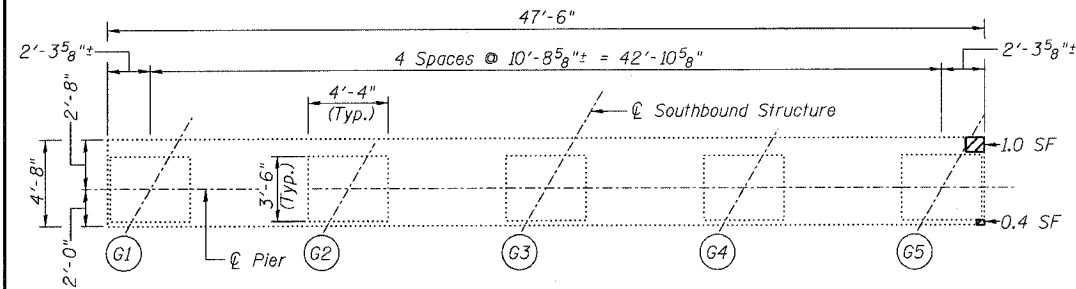
**benesch**  
alfred benesch & company  
Engineers - Surveyors - Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3856

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE		32	309
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

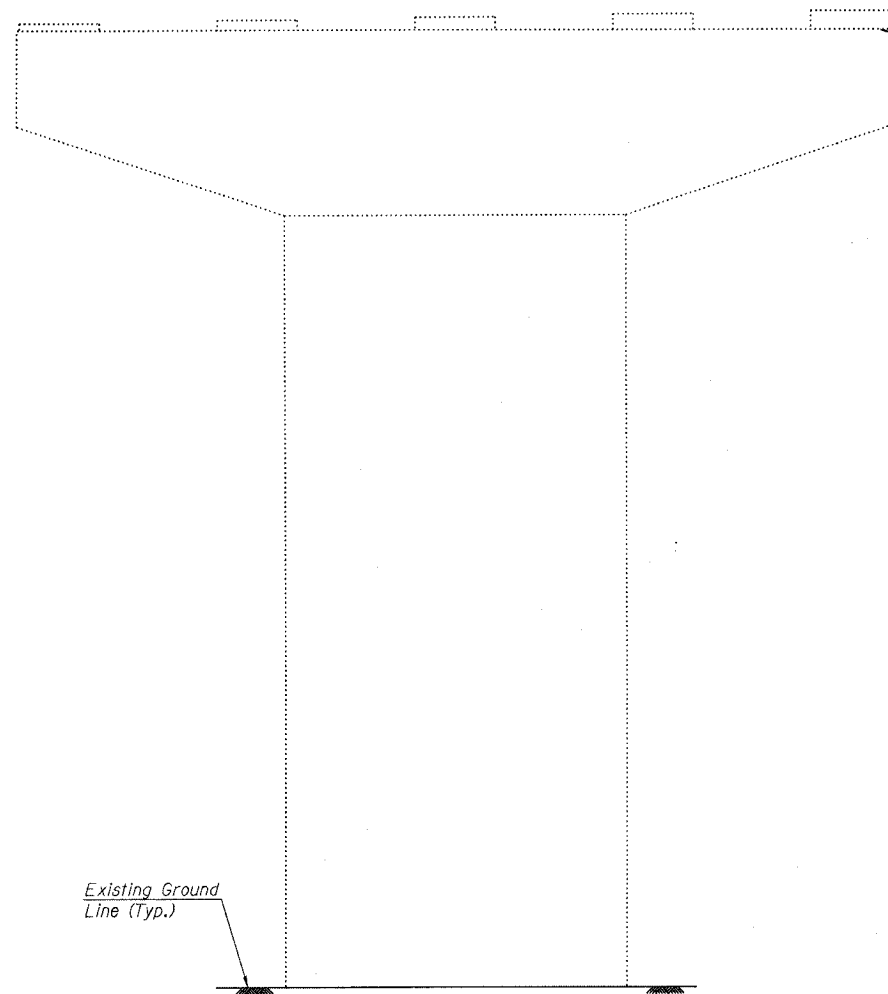
Contract # 66586



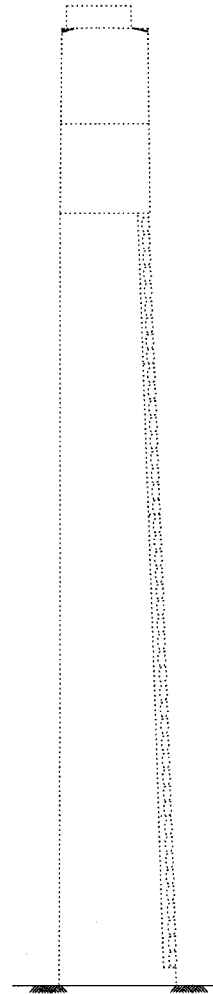
TOP PLAN OF PIER

NOTES:

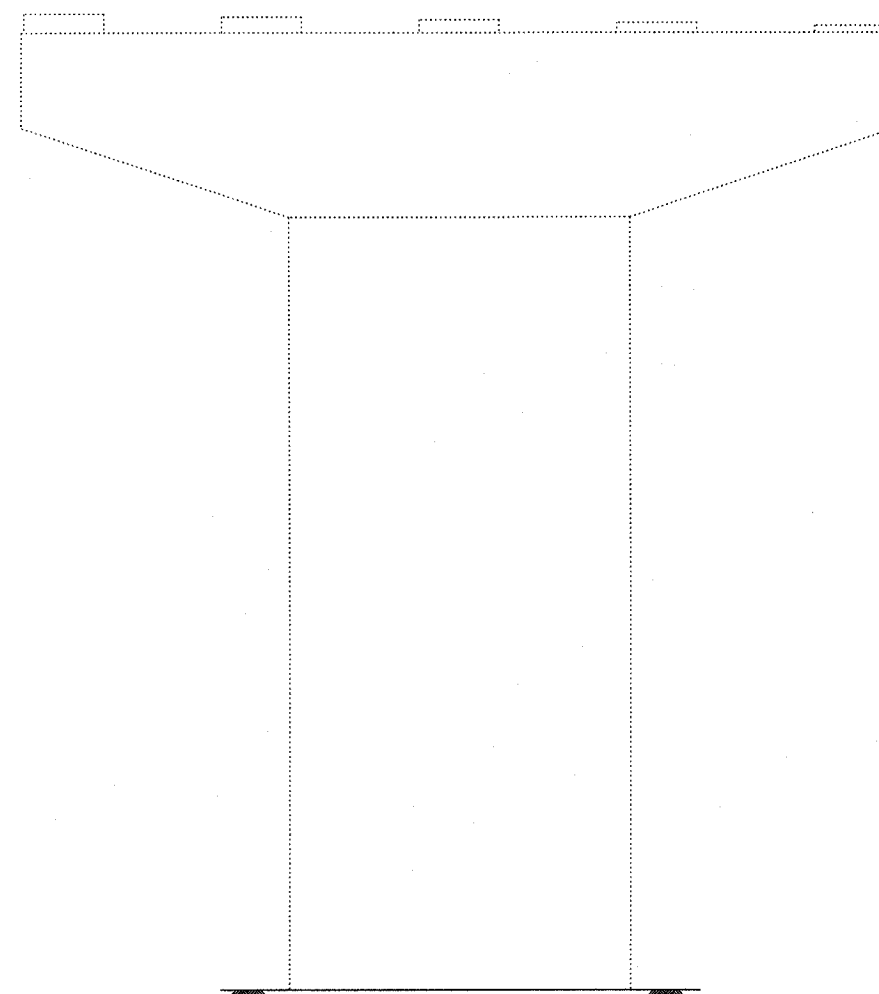
- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.



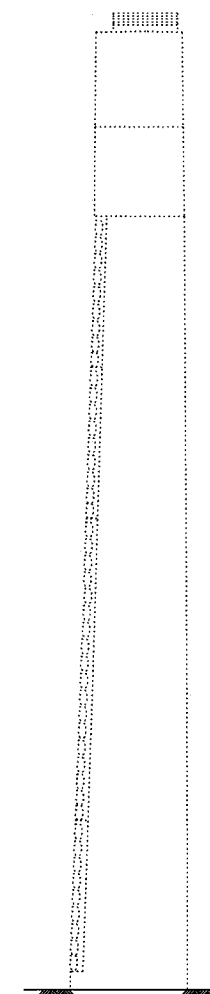
ELEVATION  
(Looking North)



END VIEW  
(Looking West)



ELEVATION  
(Looking South)



END VIEW  
(Looking East)

Existing Ground Line (Typ.)

LEGEND

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	1.4

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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3856

PIER REPAIR - PIER 42 SB  
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER  
THE ILLINOIS RIVER (PUBLIC WATERS)  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)

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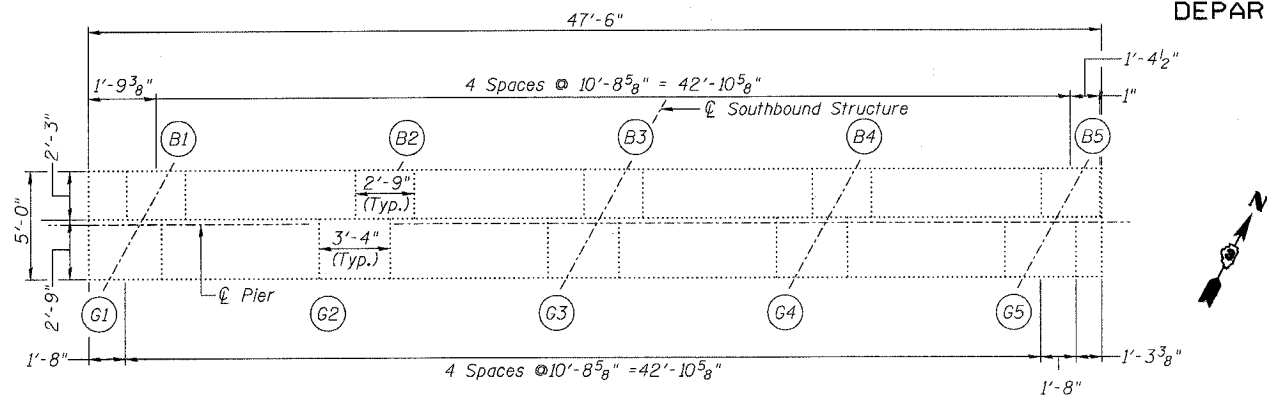
8/30/2006



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 333	SHEET NO. 313	SHEET NO. 310 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT-	

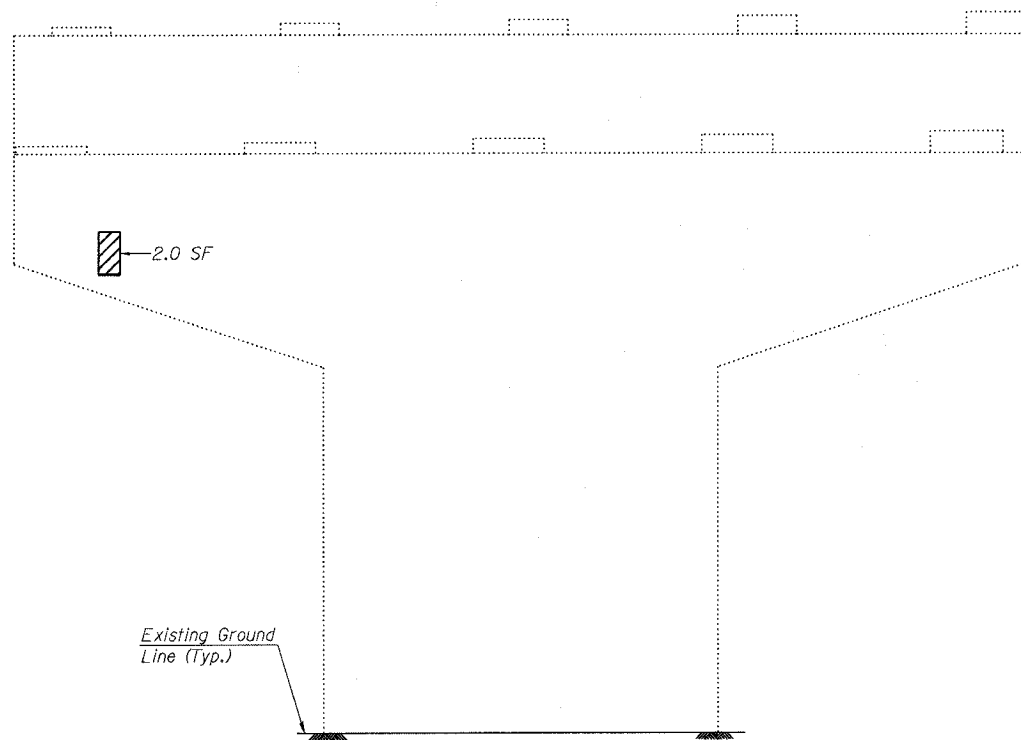
Contract # 66586



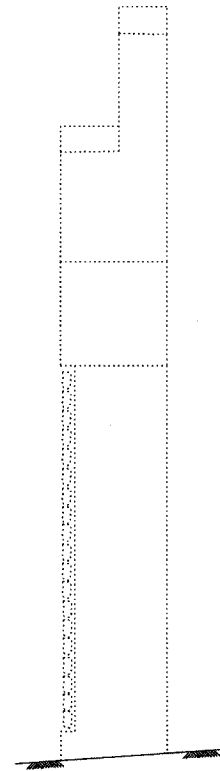
TOP PLAN OF PIER

NOTES:

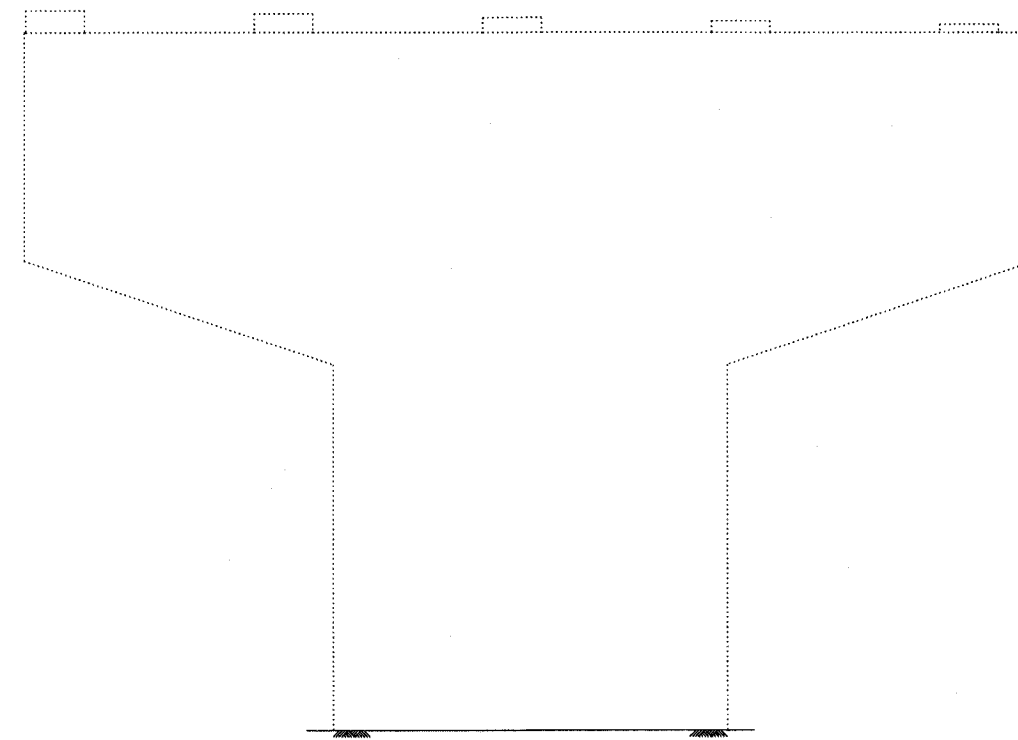
- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.
- See Sheet 312 for rehabilitation of concrete pedestals.



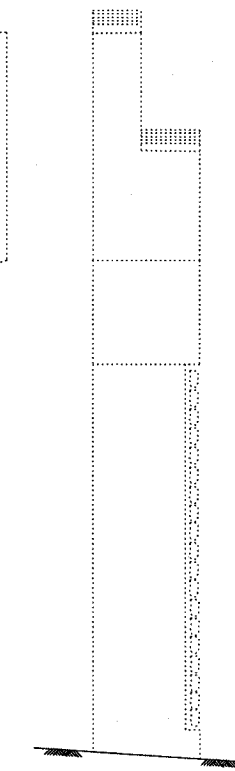
ELEVATION  
(Looking North)



END VIEW  
(Looking West)



ELEVATION  
(Looking South)



END VIEW  
(Looking East)

LEGEND

- Structural Repair of Concrete (Depth equal to or less than 5")
- SF Square Feet

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	2.0

DESIGNED	ADB
CHECKED	DLS
DRAWN	KHH
CHECKED	MTH

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4168  
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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-965-0450  
Job # 3856

PIER REPAIR - PIER 43 SB  
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER  
THE ILLINOIS RIVER (PUBLIC WATERS)  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)

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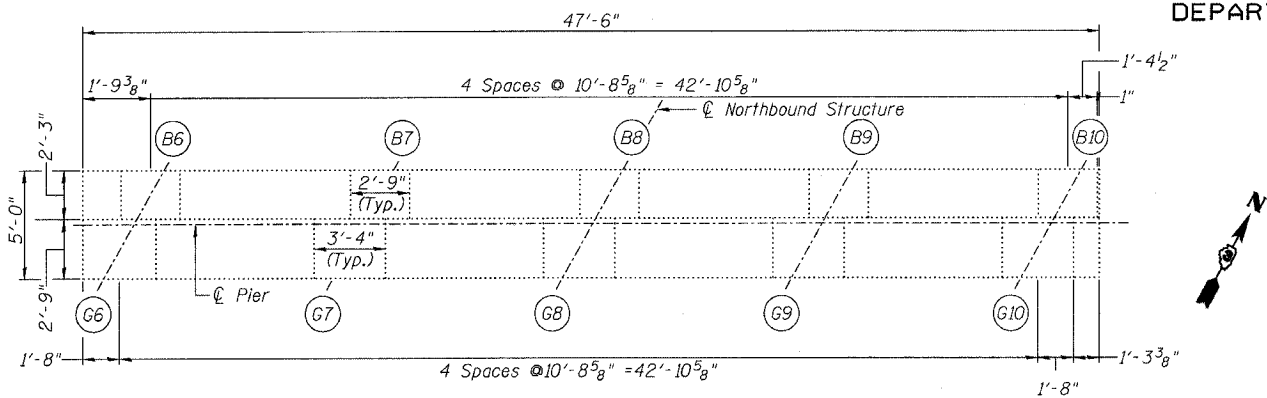
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET NO. 334	SHEET NO. 311
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT-		

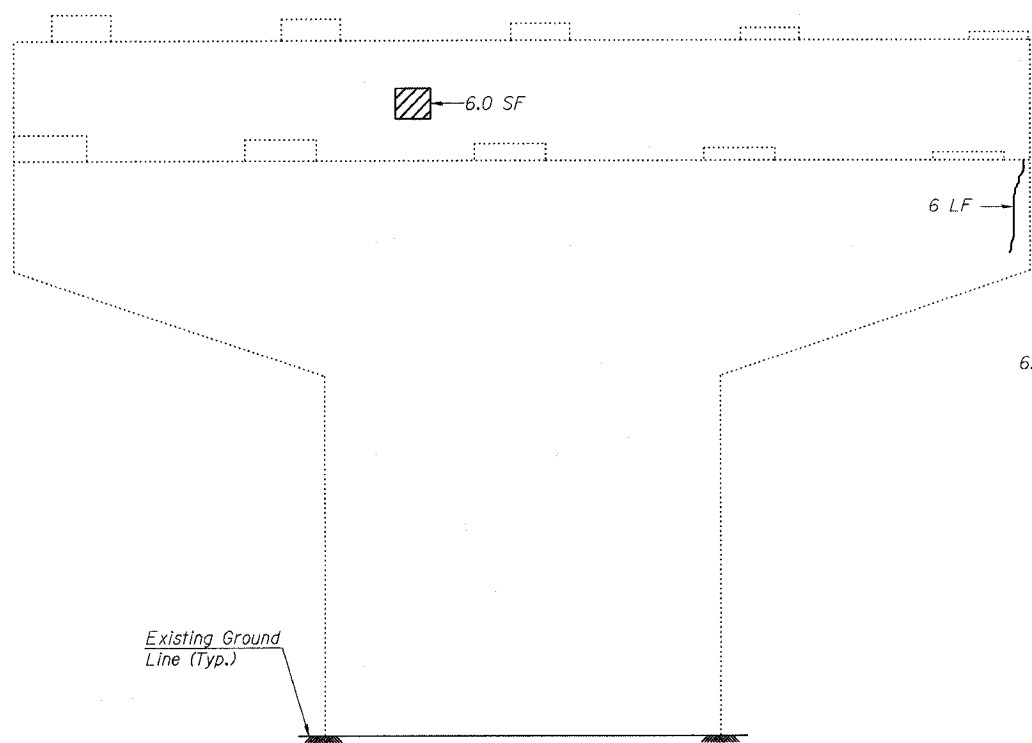
Contract # 66586



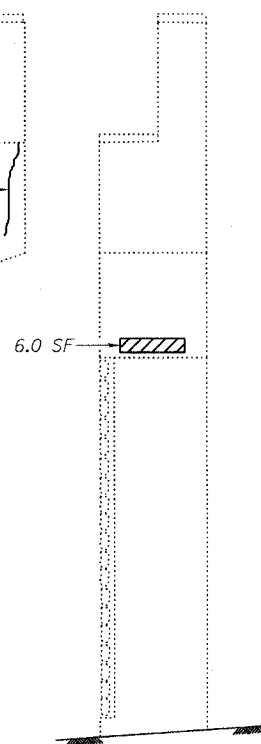
**TOP PLAN OF PIER**

**NOTES:**

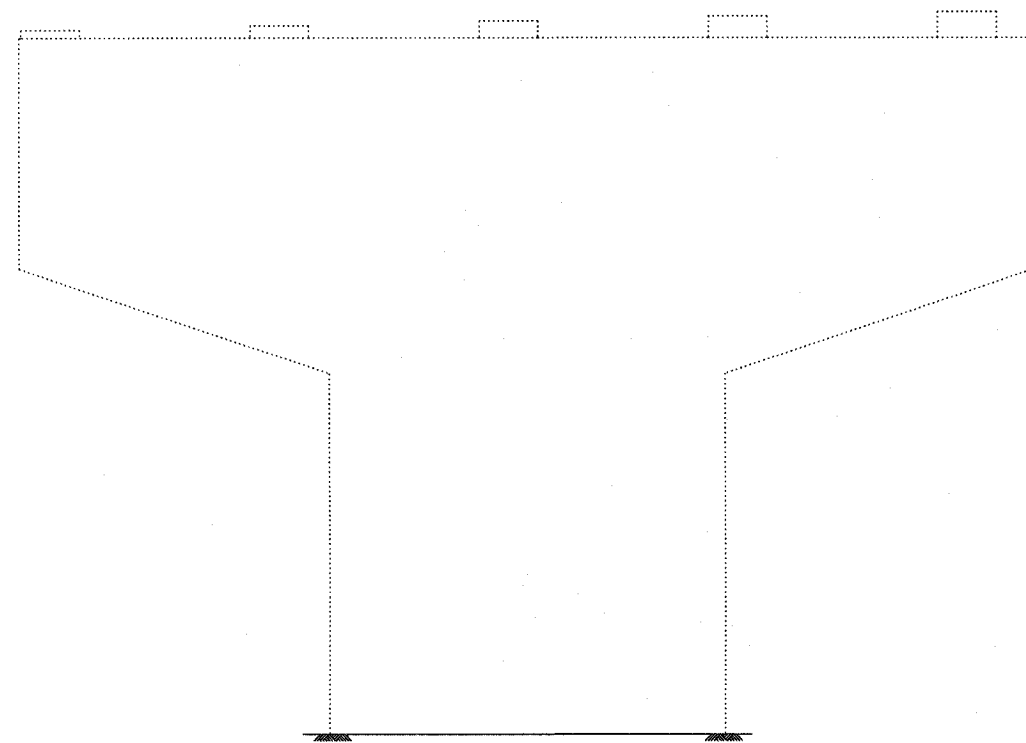
- The quantities shown are for estimating purposes only. The area to be repaired will be determined by the Engineer at the time of construction. Actual repair locations shall be shown on the as-built plans.
- See Sheet 313 for rehabilitation of concrete pedestals.



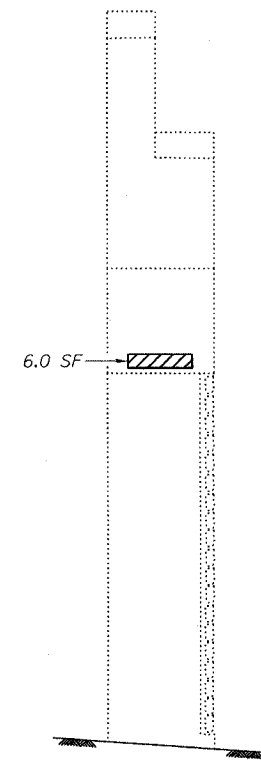
**ELEVATION**  
(Looking North)



**END VIEW**  
(Looking West)



**ELEVATION**  
(Looking South)



**END VIEW**  
(Looking East)

**LEGEND**

- Structural Repair of Concrete (Depth equal to or less than 5")
- Epoxy Crack Sealing (Cracks 2 1/16" Wide)
- SF Square Feet
- LF Linear Feet

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5")	SF	18.0
Epoxy Crack Sealing	LF	6

DESIGNED	ADB
CHECKED	BLS
DRAWN	KHH
CHECKED	MTH

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210 W. Chestnut  
Chatham, Illinois 62629  
(217) 483-4165  
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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3856

**PIER REPAIR - PIER 43 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

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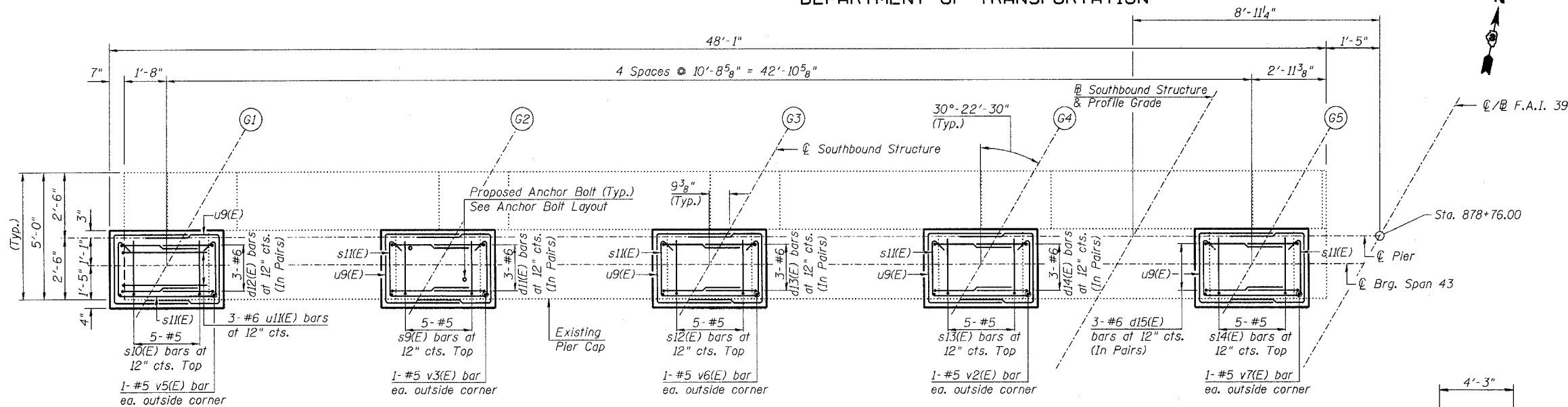
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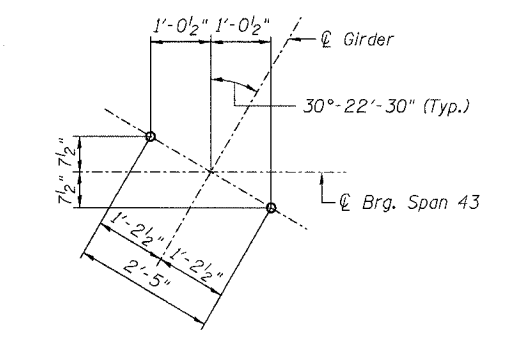
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET NO. 335	SHEET NO. 313
FED. ROAD DIST. NO. 7				ILLINOIS
FED. AID PROJECT				

Contract # 66586



TOP PLAN OF PIER



ANCHOR BOLT LAYOUT  
(Typ. each pedestal)

PIER 43 SB  
BILL OF MATERIAL

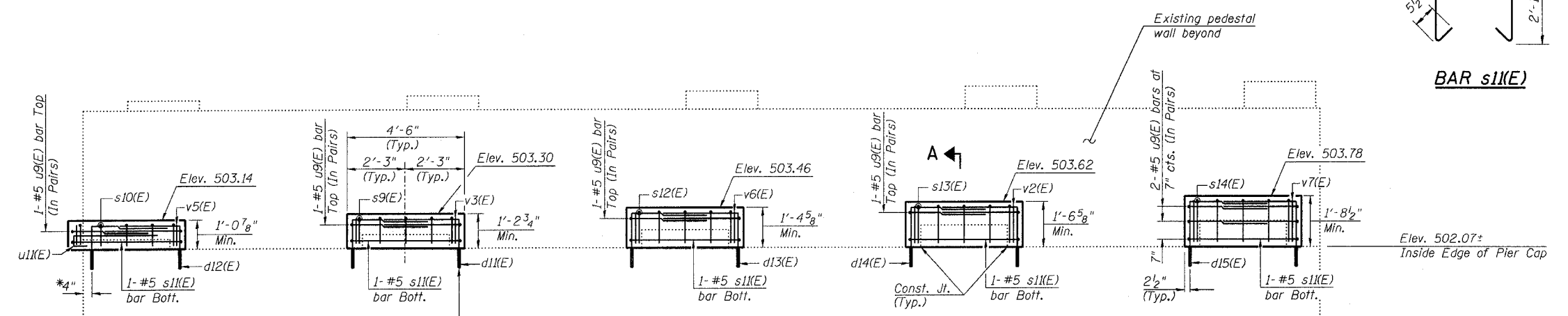
Bar	No.	Size	Length	Shape
d11(E)	6	#6	5'-2"	L
d12(E)	6	#6	5'-0"	L
d13(E)	6	#6	5'-4"	L
d14(E)	6	#6	5'-6"	L
d15(E)	6	#6	5'-8"	L
s9(E)	5	#5	3'-9"	L
s10(E)	5	#5	3'-7"	L
s11(E)	5	#5	10'-10"	L
s12(E)	5	#5	3'-11"	L
s13(E)	5	#5	4'-1"	L
s14(E)	5	#5	4'-3"	L
u9(E)	12	#5	9'-4"	U
u11(E)	3	#6	4'-11"	U
v2(E)	2	#5	1'-4"	—
v3(E)	2	#5	1'-0"	—
v5(E)	2	#5	0'-11"	—
v6(E)	2	#5	1'-2"	—
v7(E)	2	#5	1'-6"	—
Concrete Structures		Cu. Yd.	3.1	
Reinforcement Bars, Epoxy Coated		Pound	550	
Bridge Seat Sealer		Sq. Ft.	226	
Concrete Removal		Cu. Yd.	0.6	

Reinforcement Bars designated (E) shall be epoxy coated.

NOTES:

- Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
- Space pedestal reinforcement to miss proposed anchor bolts.
- See Sheet 19 for removal details.
- See Sheet 215 for bearing details.

PEDESTAL REHAB. - PIER 43 SB  
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER  
THE ILLINOIS RIVER (PUBLIC WATERS)  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)

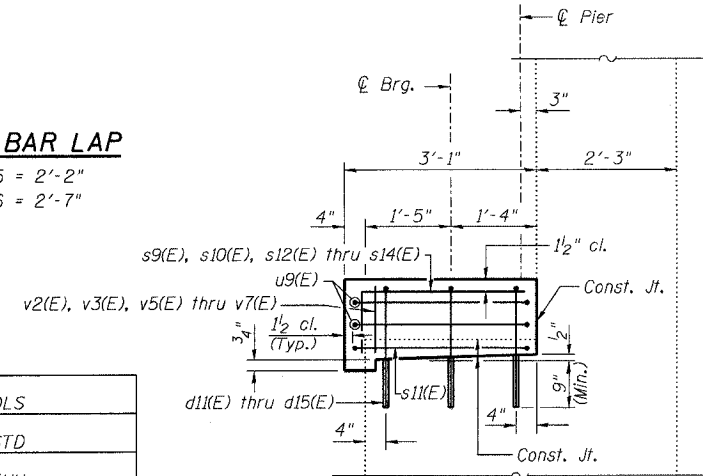


ELEVATION  
(Looking North)

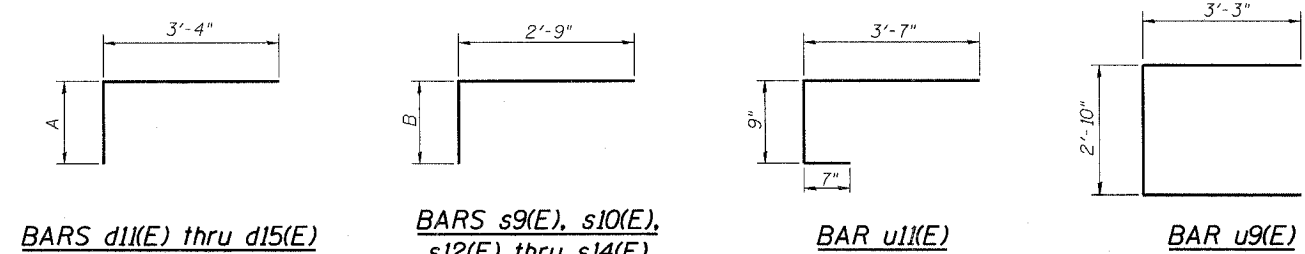
\*Remove outer portion of exist. pedestal as req'd. to install d12(E) bars.

MIN. BAR LAP

- #5 = 2'-2"
- #6 = 2'-7"



SECTION A-A



Bar	A
d11(E)	1'-10"
d12(E)	1'-8"
d13(E)	2'-0"
d14(E)	2'-2"
d15(E)	2'-4"

Bar	B
s9(E)	1'-0"
s10(E)	10"
s12(E)	1'-2"
s13(E)	1'-4"
s14(E)	1'-6"

DESIGNED - DLS
CHECKED - STD
DRAWN - KHH
CHECKED - MTH

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Cochran, Illinois 62629  
(217) 483-4168  
FAX (217) 483-4706

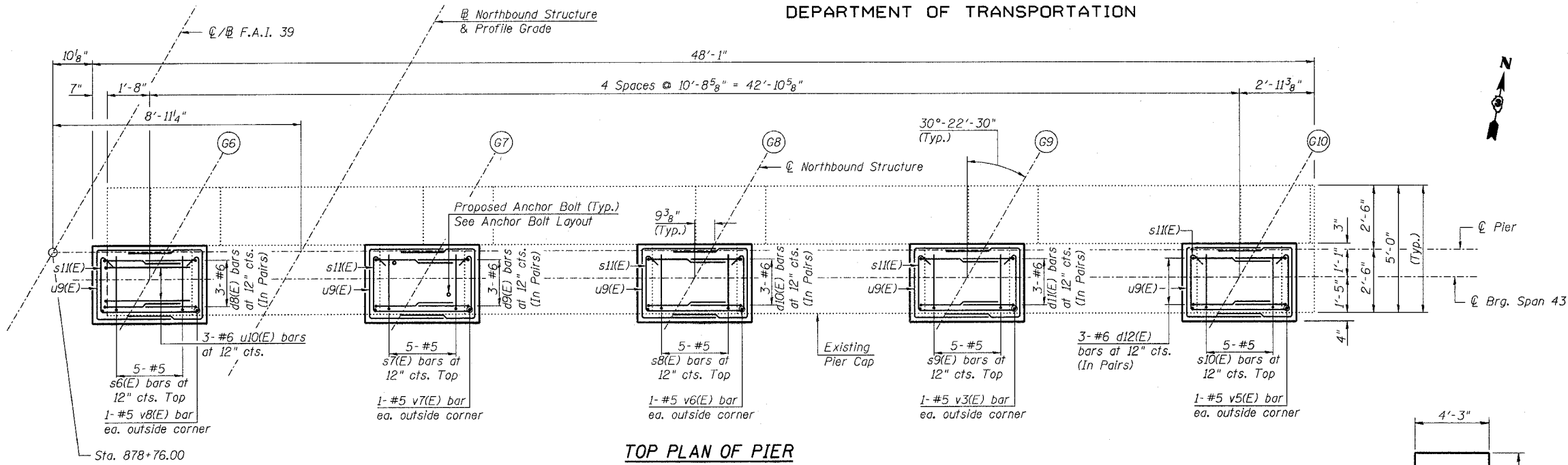
**benesch**  
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Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-955-0450  
Job # 3856

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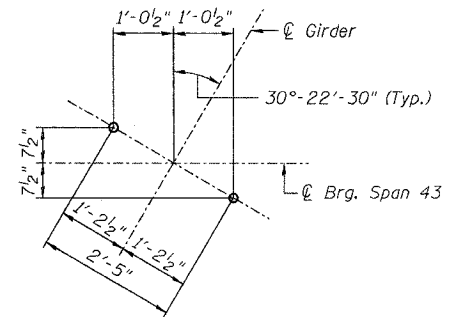
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	33b	313
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	313 SHEETS

Contract # 66586



TOP PLAN OF PIER



ANCHOR BOLT LAYOUT  
(Typ. each pedestal)

PIER 43 NB  
BILL OF MATERIAL

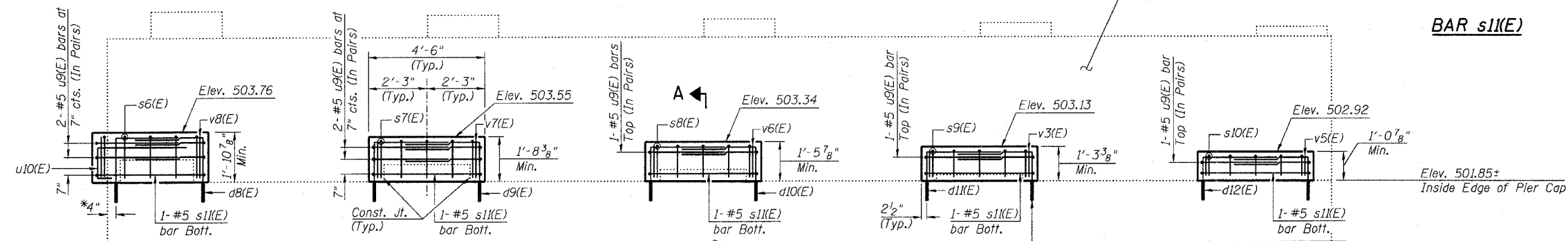
Bar	No.	Size	Length	Shape
d8(E)	6	#6	5'-10"	┌
d9(E)	6	#6	5'-7"	┌
d10(E)	6	#6	5'-5"	┌
d11(E)	6	#6	5'-2"	┌
d12(E)	6	#6	5'-0"	┌
s6(E)	5	#5	4'-5"	┌
s7(E)	5	#5	4'-2"	┌
s8(E)	5	#5	4'-0"	┌
s9(E)	5	#5	3'-9"	┌
s10(E)	5	#5	3'-7"	┌
s11(E)	5	#5	10'-10"	┌
u9(E)	14	#5	9'-4"	┌
u10(E)	3	#6	5'-9"	┌
v3(E)	2	#5	1'-0"	—
v5(E)	2	#5	0'-11"	—
v6(E)	2	#5	1'-2"	—
v7(E)	2	#5	1'-5"	—
v8(E)	2	#5	1'-8"	—
Concrete Structures		Cu. Yd.	3.2	
Reinforcement Bars, Epoxy Coated		Pound	580	
Bridge Seat Sealer		Sq. Ft.	231	
Concrete Removal		Cu. Yd.	0.7	

Reinforcement Bars designated (E) shall be epoxy coated.

NOTES:

- Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
- Space pedestal reinforcement to miss proposed anchor bolts.
- See Sheet 19 for removal details.
- See Sheet 215 for bearing details.

PEDESTAL REHAB. - PIER 43 NB  
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER  
THE ILLINOIS RIVER (PUBLIC WATERS)  
F.A.I. ROUTE 39 SEC. (50-4B) BR  
LASALLE COUNTY  
STATION 863+16.00  
STRUCTURE NO. 050-0191 (SB & NB)

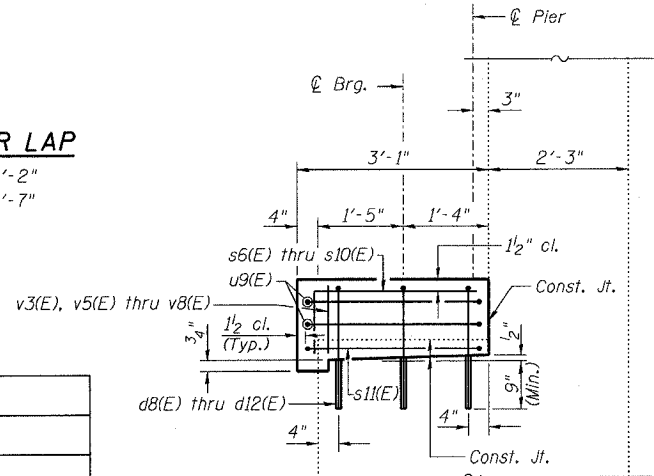


ELEVATION  
(Looking North)

\*Remove outer portion of exist. pedestal as req'd. to install d8(E) bars.

MIN. BAR LAP

- #5 = 2'-2"
- #6 = 2'-7"



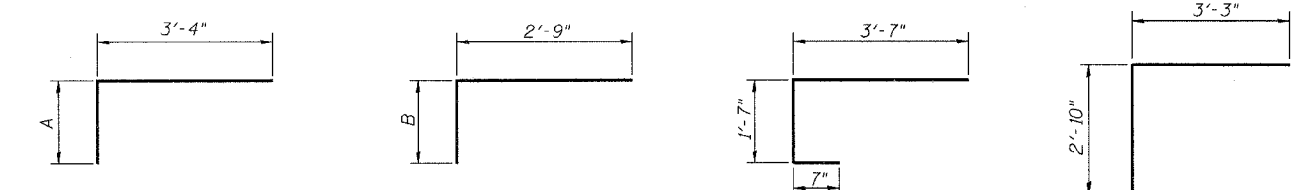
SECTION A-A

BARS d8(E) thru d12(E)

Bar	A
d8(E)	2'-6"
d9(E)	2'-3"
d10(E)	2'-1"
d11(E)	1'-10"
d12(E)	1'-8"

BARS s6(E) thru s10(E)

Bar	B
s6(E)	1'-8"
s7(E)	1'-5"
s8(E)	1'-3"
s9(E)	1'-0"
s10(E)	10"



DESIGNED - DLS
CHECKED - STD
DRAWN - KHH
CHECKED - MTH

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Cotham, Illinois 62629  
(217) 483-4168  
FAX (217) 483-4706

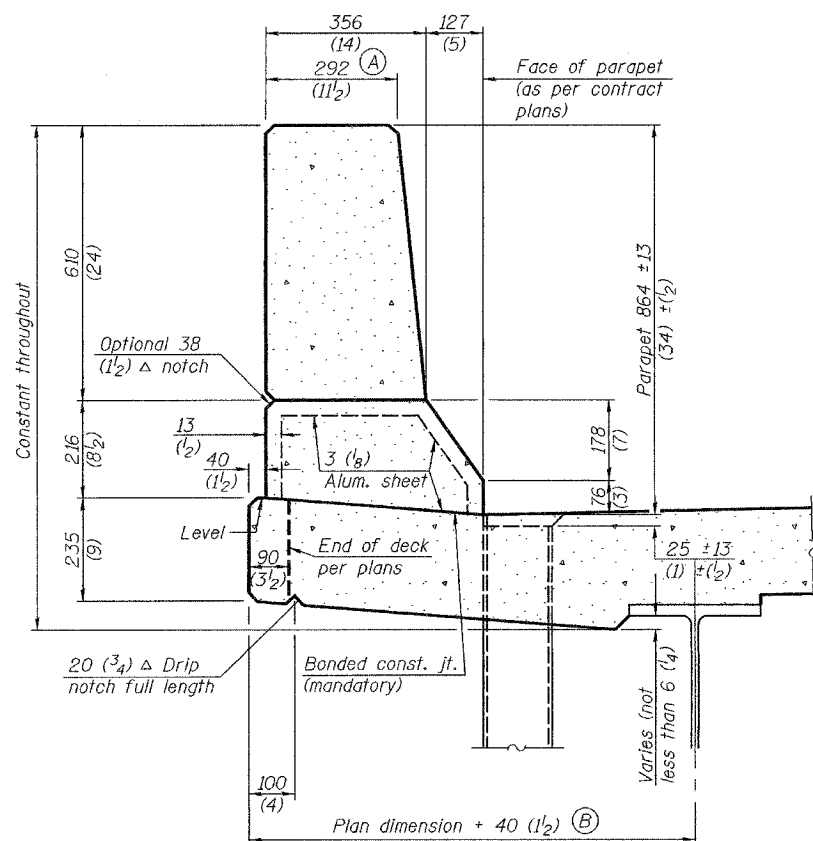
**benesch**  
alfred benesch & company  
Engineers - Surveyors - Planners  
206 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3858

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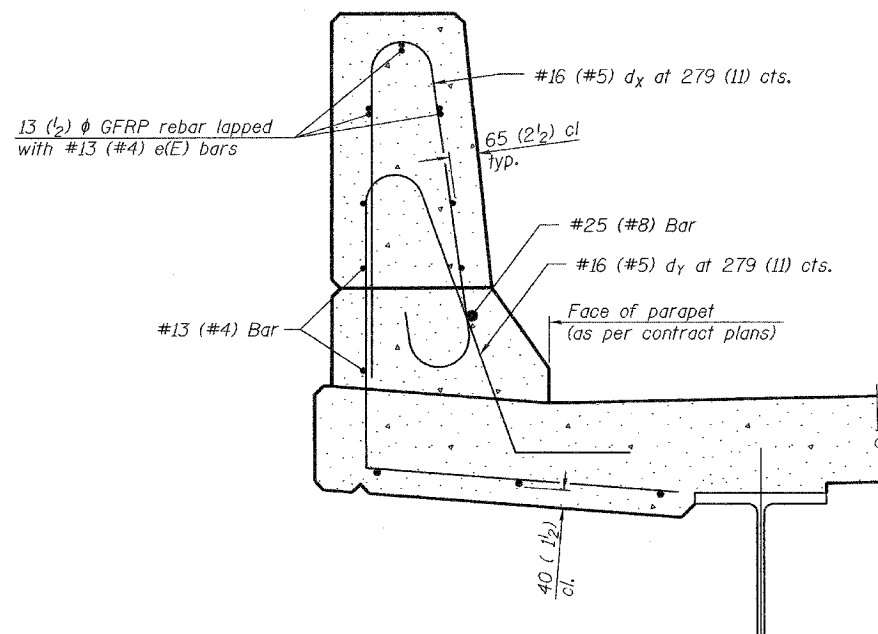
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
				336A	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			SHEETS

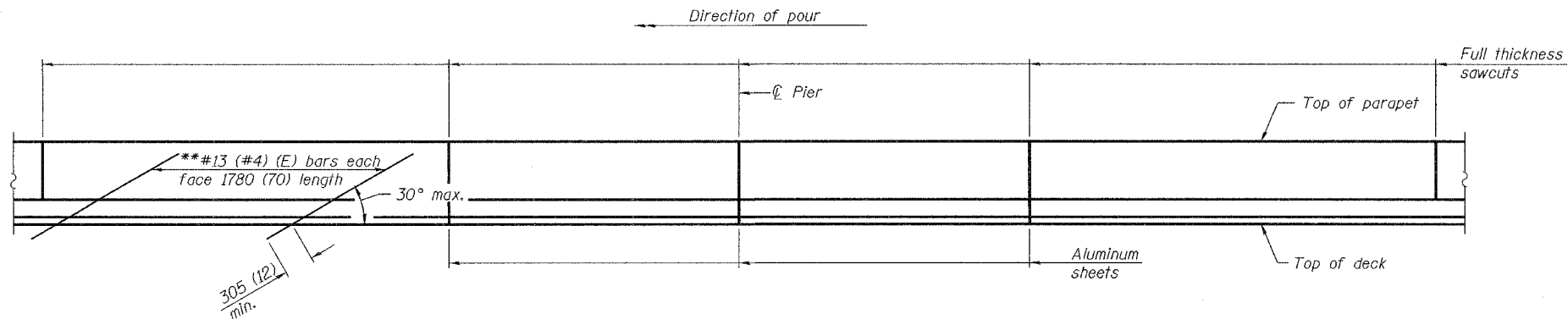
Contract #



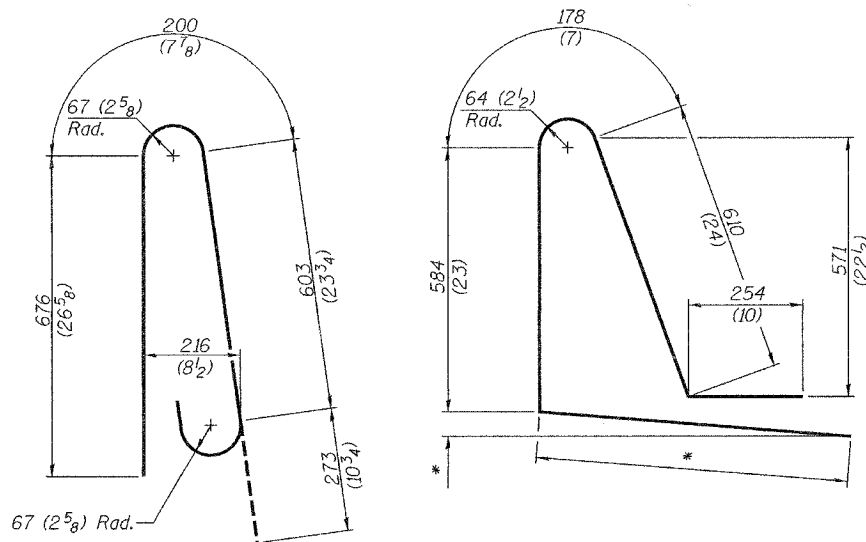
**SECTION**  
(Showing dimensions)



**SECTION**  
(Showing required reinforcement)

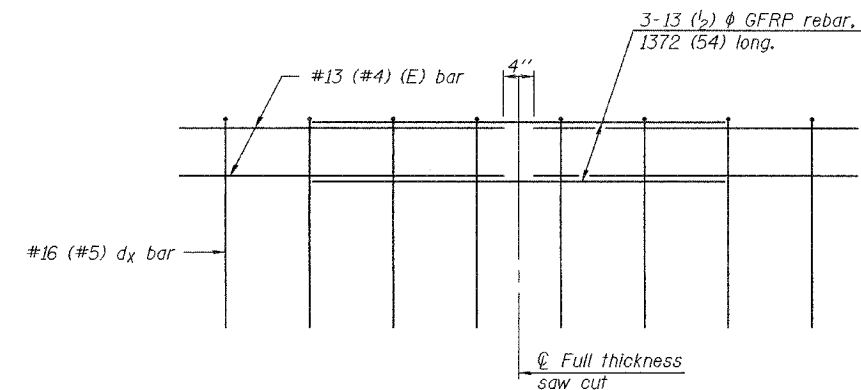


**ELEVATION**  
(Showing parapet joints and optional stiffening reinforcement between joints)



**BAR dx(e)**

**BAR dy(e)**  
\* Per contract plans



**GFRP REBAR STIFFENING DETAIL**  
(Place as shown in parapet section)

**GENERAL NOTES**

All dimensions shall remain the same as shown on contract plans, except dimensions A and B which are to be revised as shown to provide additional clearance. Additional concrete needed to revise dimension A and B = 0.0422 m<sup>3</sup>/m (0.165 cu. yds./ft.) of parapet. Place aluminum sheet in curb portion at and near piers. Full thickness saw cut at all other locations. Adjust/add joint locations to maintain 3 to 6 meter (10 to 20 foot) spacing.

**CONCRETE PARAPET  
SLIPFORMING OPTION**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
39	50-4B	LASALLE	337
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

**INDEX OF DRAWINGS**

SHT. No.	SHEET NAME
1	INDEX, GENERAL NOTES, ELECTRICAL NOTES, LEGEND AND ABBREVIATIONS
2	BILL OF MATERIAL
3-7	PROPOSED LIGHTING PLANS
8-9	PROPOSED NAVIGATIONAL LIGHTING PLAN
10-12	PROPOSED WIRING PLAN
13-17	LIGHTING REMOVAL PLAN
18	TEMPORARY NAVIGATIONAL LIGHTING
19	NAVIGATION LIGHTING DETAILS
20-22	LIGHTING DETAILS

**GENERAL ELECTRICAL NOTES:**

- ELECTRICAL WORK SHALL CONFORM WITH NATIONAL ELECTRIC CODE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS, QUANTITIES, AND TYPE OF UTILITIES IN AREAS TO BE EXCAVATED PRIOR TO COMMENCEMENT OF ANY WORK AND SHALL HAND EXCAVATE AS REQUIRED IN ORDER TO NOT INTERRUPT ANY EXISTING SERVICES. IF IN PERFORMING WORK DAMAGE TO EXISTING UTILITIES OCCURS, CONTRACTOR SHALL NOTIFY UTILITY IMMEDIATELY AND PAY ANY COST INCURRED FOR REPAIR OR REPLACEMENT.
- ELECTRICAL EQUIPMENT, RACEWAY, ETC. ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL INSTALL ELECTRICAL EQUIPMENT, RACEWAYS, ETC. WHERE DIRECTED BY THE ENGINEER IN ORDER TO BEST SUIT JOB CONDITIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING STATE OWNED LIGHTING UTILITIES WITHIN THE LIMITS OF THE CONTRACT.
- ALL STATE OWNED SALVAGEABLE LIGHTING EQUIPMENT REMOVED UNDER THIS CONTRACT SHALL BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, AS DIRECTED BY THE ENGINEER.

**CONSTRUCTION NOTES:**

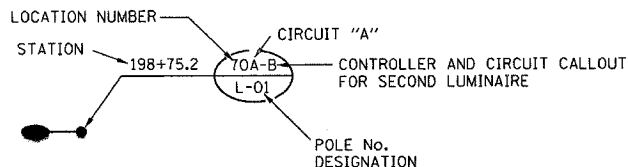
- CONDUCTORS SHALL BE COPPER WITH XLP-USE INSULATION AS NOTED ON THE PLAN SHEETS.
- CONDUCTORS SHALL BE INSTALLED IN CONDUIT, 2" PVC. SCHED. 40, UNLESS NOTED.
- THE GROUND CONDUCTOR SHALL HAVE NO SPLICE OR KINKS BELOW GRADE, IT SHALL BE SOLIDLY CONNECTED TO THE GROUNDING LUG OF EACH POLE AND TO THE GROUND ROD AT THE SERVICE INSTALLATION.
- ALL POLES AND THE STREET LIGHT CONTROLLERS SHALL BE CONNECTED TO A CONTINUOUS GROUND CONSISTING OF A GREEN INSULATED ELECTRICAL CONDUCTOR 600 V. XLP, 1/C. NO. 4. THIS CONDUCTOR SHALL BE PLACED INSIDE THE CONDUIT ALONG WITH THE INSULATED CABLES.
- THE EXISTING LIGHT CONTROLLER CONCRETE FOUNDATION SHALL BE REMOVED TO A DEPTH AT LEAST 3 FEET BELOW THE FINAL GRADE AND DISPOSED OF OUTSIDE THE RIGHT-OF-WAY. THE HOLE SHALL THEN BE BACKFILLED WITH APPROVED MATERIALS AND RECONSTRUCTED TO MATCH THE ADJOINING AREA. COMPACTION SHALL BE BY A METHOD APPROVED BY THE ENGINEER. EXISTING CONDUIT/UNITDUCT SHALL BE ABANDONED. REMOVAL OF EXISTING CABLE IN CONDUIT SHALL BE INCLUDED IN THE POLE FOUNDATION REMOVAL PAY ITEM.
- ALL LIGHTING POLE UNITS SHALL HAVE A MOUNTING PAD INSTALLED PER ARTICLE 1069.03 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- LIGHTING FOUNDATION INCLUDING ANCHOR BOLTS, SHALL BE INCLUDED WITH CONCRETE SUPERSTRUCTURE.
- ALL NON-METALLIC JUNCTION BOXES SHALL BE MANUFACTURED PER ARTICAL 1088.05.

**ABBREVIATIONS**

A/C	AERIAL CABLE
AC	ALTERNATE CURRENT
AS	ATTACHED TO STRUCTURE
CKT	CIRCUIT
CB	CIRCUIT BREAKER
ELCBL	ELECTRIC CABLE
ES	EMBEDDED IN STRUCTURE
FND	FOUNDATION
GND	GROUND
GFI	GROUND FAULT INTERRUPTION
HH	HANDHOLE
HPS	HIGH PRESSURE SODIUM VAPOR
JB	JUNCTION BOX
KVA	KILOVOLT AMPERE
LED	LIGHT EMITTING DIODE
L.F.	LINEAR FEET
LUM	LUMINAIRE
MH	MOUNTING HEIGHT
NM	NON-METALLIC
NO.	NUMBER
OPP	OPPOSITE
PNL	PANEL
PROJ	PROJECT
PROP	PROPOSED
RCOC	REMOTE CONTROL OUTDOOR CIRCUIT (LIGHTING CONTROLLER)
REQ'D	REQUIRED
GRS	GALVANIZED RIGID STEEL
SS	STAINLESS STEEL
TEMP	TEMPORARY
V	VOLT
W	WATT
WP	WEATHER PROOF
XFMR	TRANSFORMER

**LEGEND**

- (1) PROPOSED STREET LIGHT UNIT, 45 FOOT ALUMINUM POLE, 6 FOOT DAVIT ARM, 250W HPS, MCII LUMINAIRE. STAGE 1.
- (2) PROPOSED STREET LIGHT UNIT, 45 FOOT ALUMINUM POLE, 6 FOOT DAVIT ARM, 250W HPS, MCII LUMINAIRE. STAGE 2.
- (1) PROPOSED STREET LIGHT UNIT, 45 FOOT ALUMINUM POLE, 6 FOOT DAVIT ARM - TWIN, 250W HPS, MCII LUMINAIRE. STAGE 1.
- NAVIGATION UNIT, COLOR AS NOTED
- X(1) EXISTING STREET LIGHT UNIT TO BE REMOVED IN STAGE 1, SALVAGE.
- X(2) EXISTING STREET LIGHT UNIT TO BE REMOVED IN STAGE 2, SALVAGE.
- EXISTING STREET LIGHT UNIT TO REMAIN.
- GROUND (GREEN) (1-1/C \*4)
  - 1-1/C\*4 (UNLESS OTHERWISE NOTED), PHASE, CIRCUIT A.
  - 1-1/C\*4 (UNLESS OTHERWISE NOTED), PHASE, CIRCUIT B.
  - PROPOSED ST. LT. CABLE IN CONDUIT
  - 1-1/C\*4 (UNLESS OTHERWISE NOTED), PHASE CIRCUIT B.
  - 1-1/C\*4 (UNLESS OTHERWISE NOTED), PHASE, CIRCUIT A.
- PROPOSED STREET LIGHT CONTROLLER, 200 AMP-480 VOLT-DUAL
- EXISTING STREET LIGHT CONTROLLER, TO BE REMOVED
- PROPOSED JUNCTION BOX, SIZE AS NOTED.
- PROPOSED ELECTRICAL SERVICE INSTALLATION
- TEMPORARY AERIAL CABLE, 3-1/C NO.6, WITH MESSENGER WIRE



- PROPOSED CONDUIT, 2" (UNLESS OTHERWISE INDICATED), PVC (SCH. 40), EMBEDDED IN STRUCTURE (UNLESS OTHERWISE INDICATED).
- PROPOSED CONDUIT, 2" (UNLESS NOTED), GRP, ATTACHED TO STRUCTURE.
- EXISTING UNDERGROUND CONDUIT TO REMAIN.



*Richard E. Stark*  
EXPIRATION DATE 11-30-06

SEAL PERTAINS TO LIGHTING SHEETS 1 TO 22 AND ITS SHEETS 1 TO 5

REVISIONS	
NAME	DATE

LIGHTING SHEET 1 OF 22

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ABRAHAM LINCOLN MEMORIAL BRIDGE  
OVER THE ILLINOIS RIVER  
F.A.I. ROUTE 39  
INDEX, GENERAL NOTES, ELECTRICAL  
NOTES, LEGEND AND ABBREVIATIONS

DATE \_\_\_\_\_ DRAWN BY DJK  
CHECKED BY GHT

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 TIME = 3:26:28 PM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		338
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHTING-TOTAL BILL OF MATERIAL

PAY ITEM	UNIT	QUANTITY
REMOVAL OF LIGHTING CONTROLLER	EACH	1
ELECTRIC SERVICE INSTALLATION	EACH	1
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	75
CONDUIT, PUSHED, 2" DIA., PVC	FOOT	55
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	8790.6
JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 18" X 12" X 8"	EACH	24
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	EACH	133
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	75
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	66026
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	316
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	54
LIGHT POLE, ALUMINUM, 45FT M.H., 6FT MAST ARM	EACH	14
LIGHT POLE, ALUMINUM, 45FT M.H., 6FT MAST ARMS-TWIN	EACH	20
REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	50
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
LIGHTING CONTROLLER, TYPE CB-RCS, 200AMP, 480V-DUAL	EACH	1
NAVIGATION LIGHTING SYSTEM	L. SUM	1

ITS - TOTAL BILL OF MATERIALS

PAY ITEM	UNIT	QUANTITY
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	14,240
JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 18" X 12" X 8"	EACH	44

LIGHTING SHEET 2 OF 22

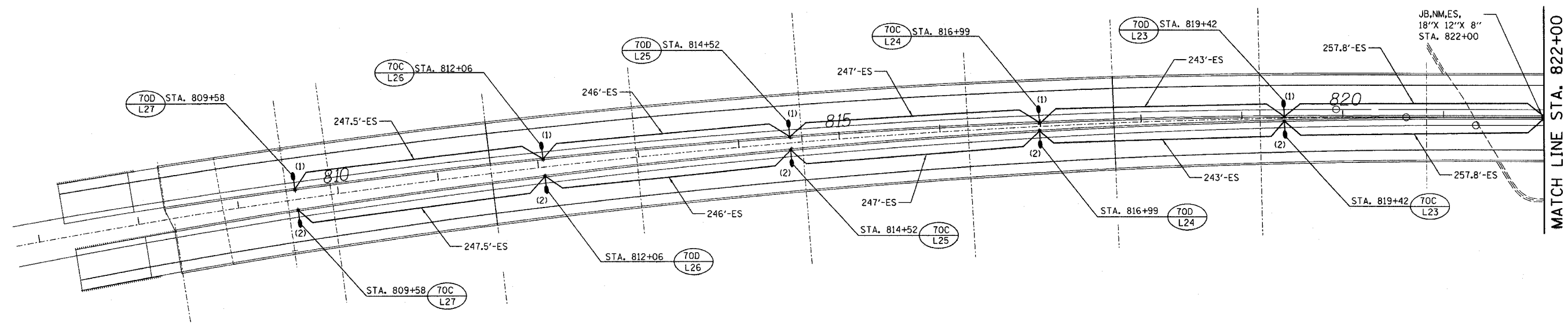
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 BILL OF MATERIAL

SCALE: NONE  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		339
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**NOTES:**  
 1. FOR CONDUIT CONNECTION DETAIL FOR JUNCTION BOX, SEE SHEET 20 OF 22.

LIGHTING SHEET 3 OF 22

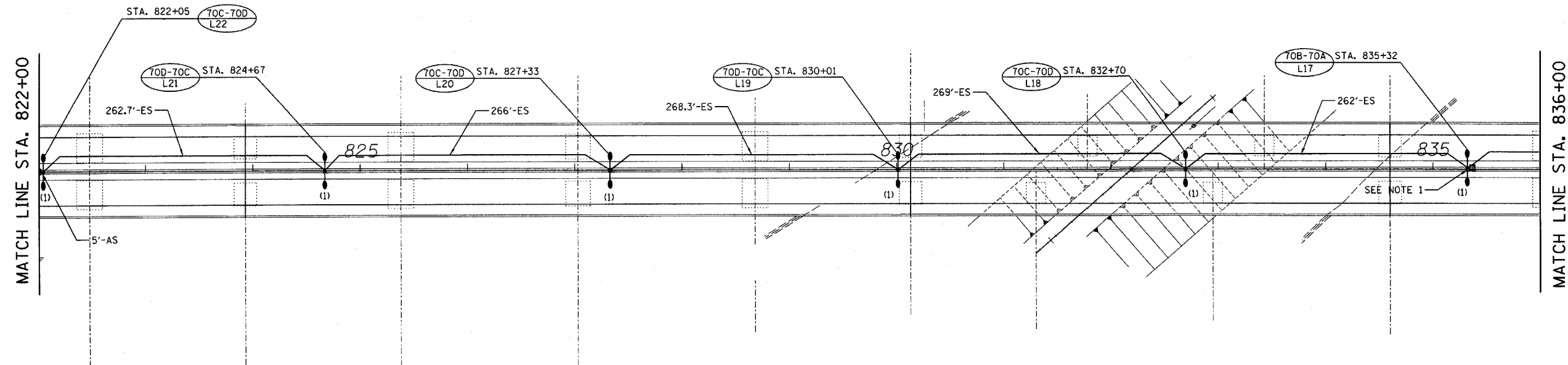
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED LIGHTING PLAN  
 FROM START OF PROJECT TO STA. 822+00  
 SCALE: 1" = 100'  
 DATE \_\_\_\_\_ DRAWN BY DJK  
 CHECKED BY GHT

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		340
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**NOTES:**  
 1. FOR JUNCTION BOX DETAIL NEXT TO PROPOSED LIGHTING UNIT, SEE 22 OF 22.

LIGHTING SHEET 4 OF 22

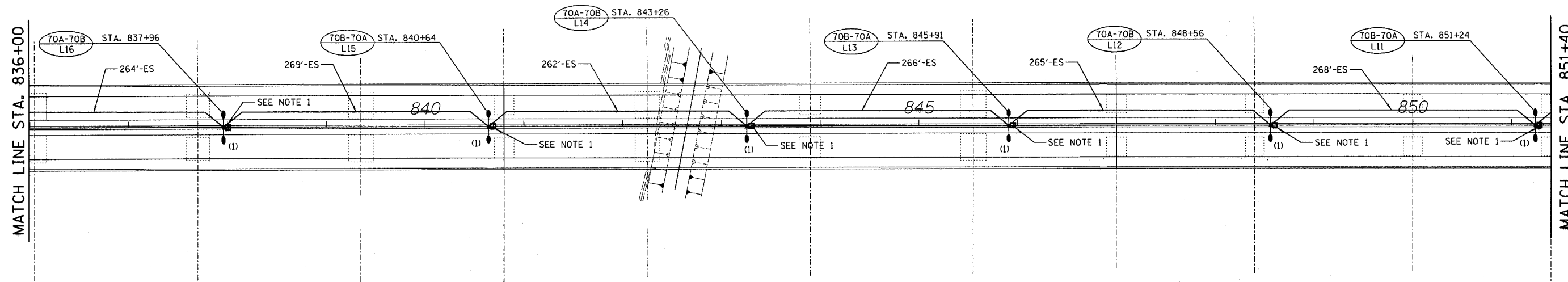
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED LIGHTING PLAN  
 STA. 822+00 TO STA. 836+00

SCALE: 1" = 50'  
 DATE \_\_\_\_\_ DRAWN BY DJK  
 CHECKED BY GHT

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39	50-4B	LASALLE		341
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**NOTES:**  
 1. FOR JUNCTION BOX DETAIL NEXT TO PROPOSED LIGHTING UNIT, SEE 22 OF 22.

LIGHTING SHEET 5 OF 22

REVISIONS	
NAME	DATE

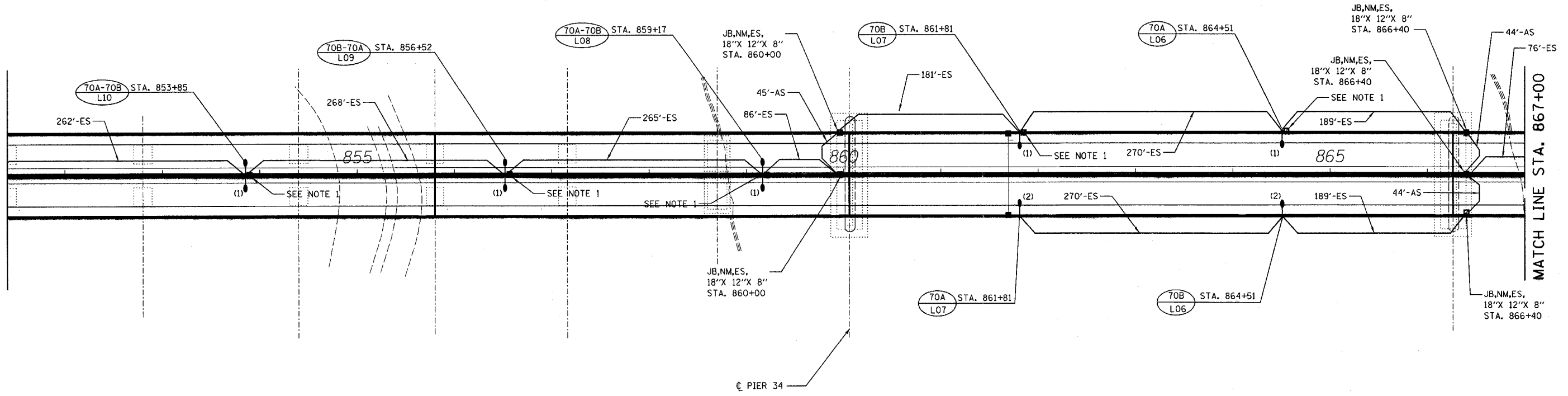
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED LIGHTING PLAN  
 STA. 836+00 TO STA. 853+00  
 SCALE: 1"= 50'  
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 CHECKED BY GHT

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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

MATCH LINE STA. 851+40

MATCH LINE STA. 867+00



**NOTES:**

- FOR JUNCTION BOX DETAIL NEXT TO PROPOSED LIGHTING UNIT, SEE 22 OF 22.

LIGHTING SHEET 6 OF 22

REVISIONS	
NAME	DATE

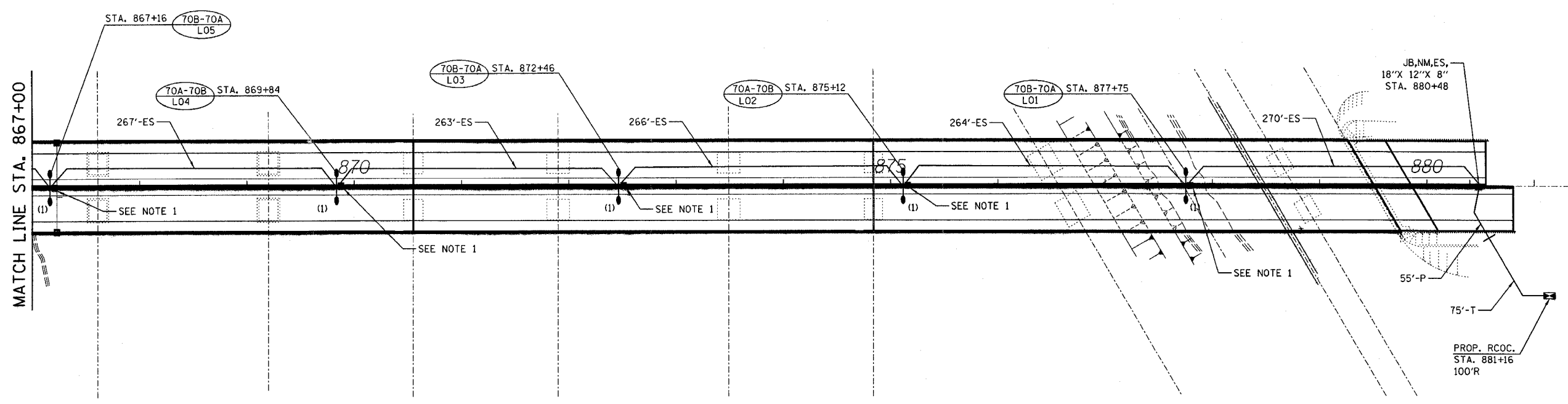
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED LIGHTING PLAN  
 STA. 853+00 TO STA. 866+00

SCALE: 1" = 50'  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

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39	50-4B	LASALLE		343
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**NOTES:**

1. FOR JUNCTION BOX DETAIL NEXT TO PROPOSED LIGHTING UNIT, SEE 22 OF 22.

LIGHTING SHEET 7 OF 22

REVISIONS	
NAME	DATE

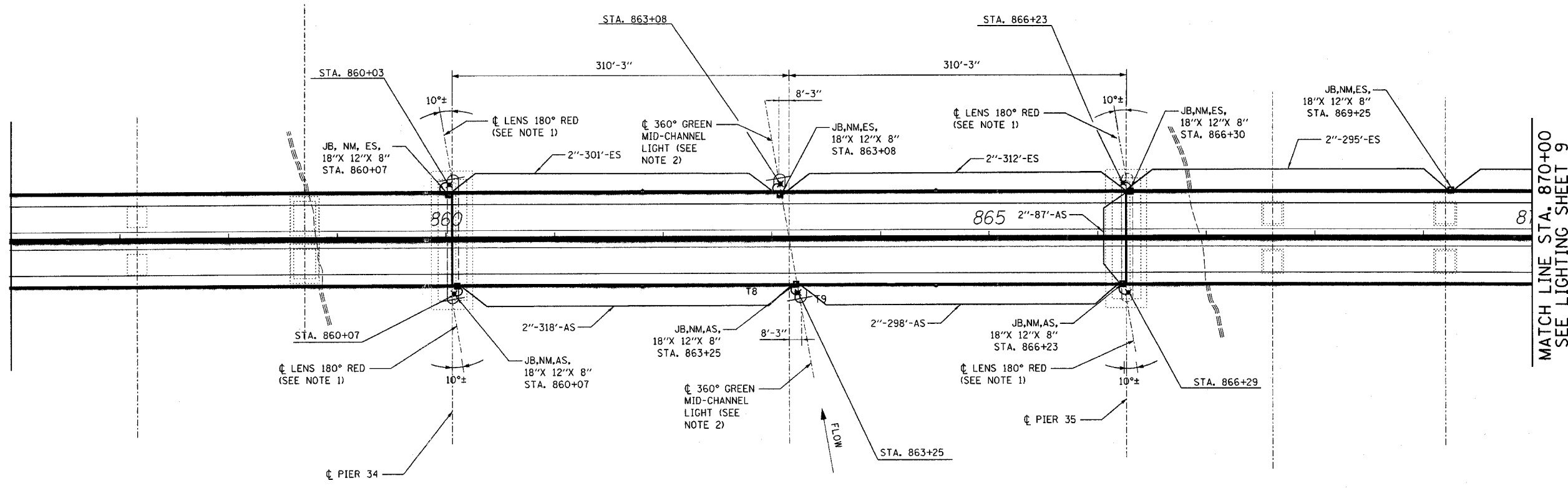
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED LIGHTING PLAN  
 STA. 866+00 TO STA. 881+00

SCALE: 1" = 50'  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

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39	50-4B	LASALLE		344
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



MATCH LINE STA. 870+00  
SEE LIGHTING SHEET 9

**NOTES:**

1. REMOVE AND REPLACE EXISTING 180° RED LENS WITH 180° RED L.E.D. LENS.
2. REMOVE EXISTING JUNCTION BOXES, CONDUIT, CABLE AND MID-CHANNEL LIGHT (INCLUDING HOIST). REPLACE EQUIPMENT AS SHOWN ON LIGHTING SHEET 19 OF 22.
3. FOR TEMPORARY NAVIGATIONAL LIGHTING, SEE SHEET 18 OF 22.
4. INSTALL A 2.0 KVA 480:120V STEPDOWN TRANSFORMER AT STA. 866+30 FOR NAVIGATION LIGHTING.

LIGHTING SHEET 8 OF 22

REVISIONS	
NAME	DATE

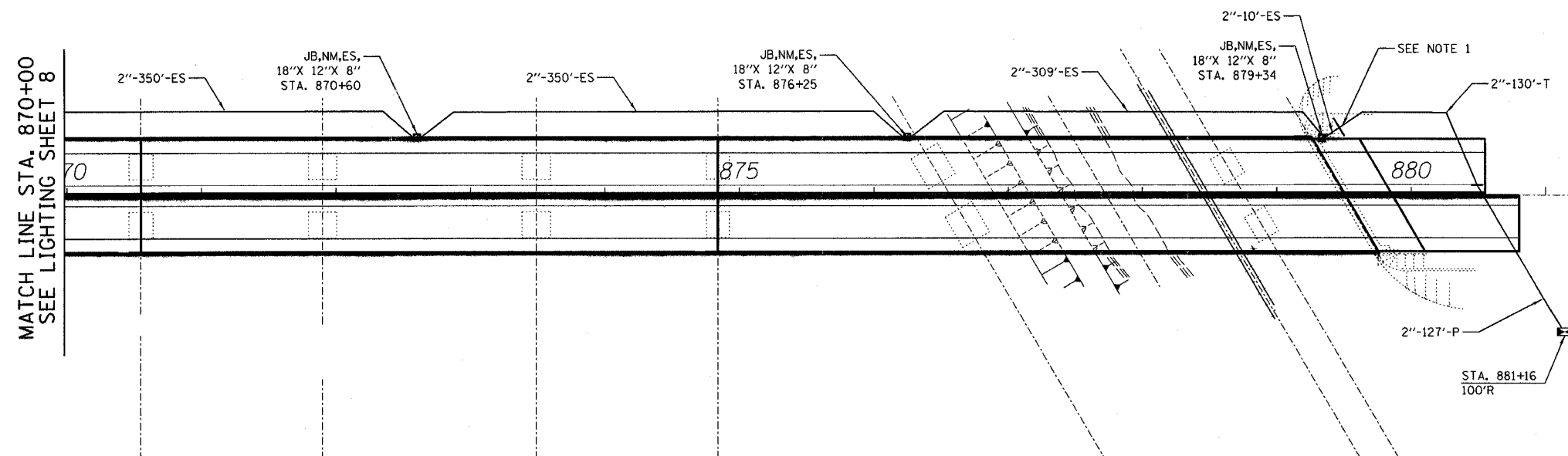
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**ABRAHAM LINCOLN MEMORIAL BRIDGE**  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED NAVIGATION LIGHTING PLAN  
 STA. 853+00 TO STA. 866+00

SCALE: 1" = 50'  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		345
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



MATCH LINE STA. 870+00  
SEE LIGHTING SHEET 8

**NOTES:**

1. FOR WINGWALL EXIT DETAIL, SEE LIGHTING SHETT 22 OF 22.

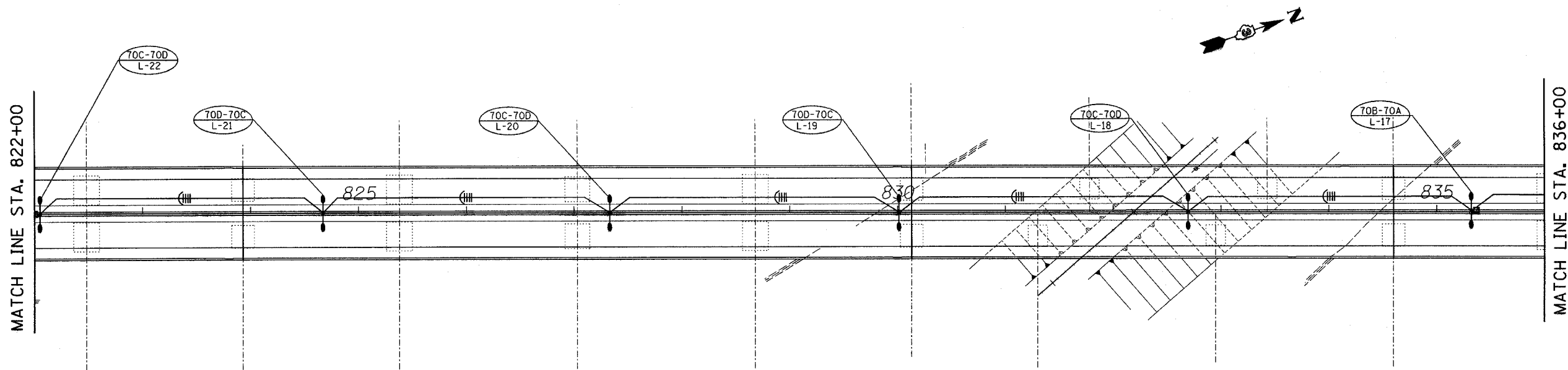
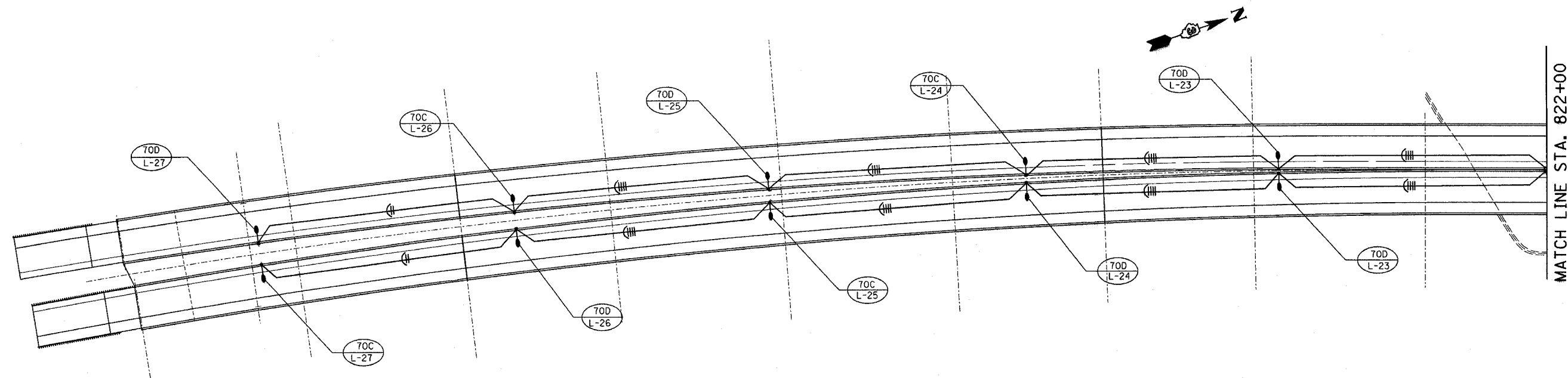
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED NAVIGATION LIGHTING PLAN  
 STA. 866+00 TO STA. 881+00

SCALE: 1" = 50'  
 DATE: \_\_\_\_\_ DRAWN BY DJK  
 CHECKED BY GHT

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39	50-4B	LASALLE		376
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LIGHTING SHEET 10 OF 22

REVISIONS	
NAME	DATE

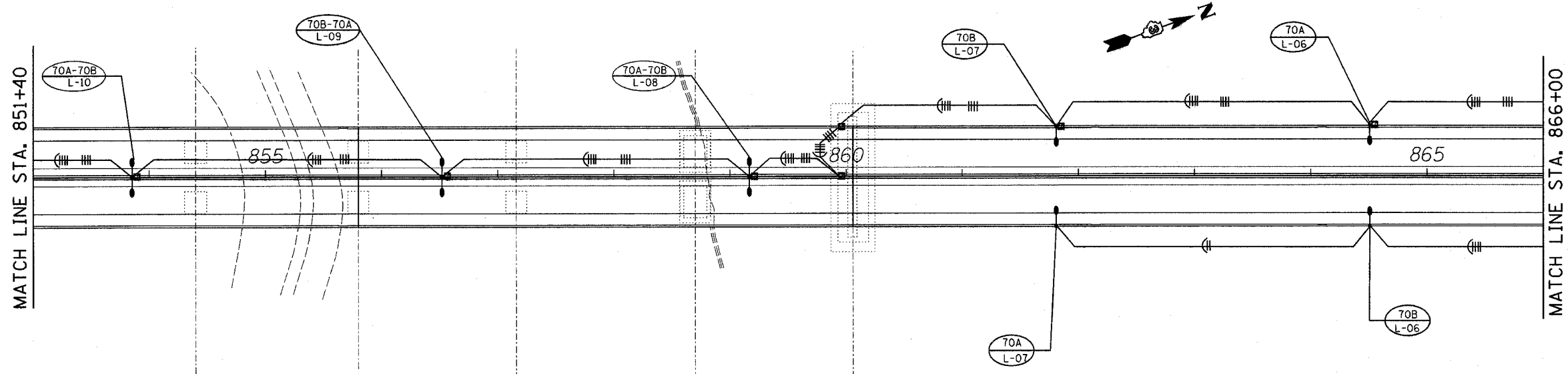
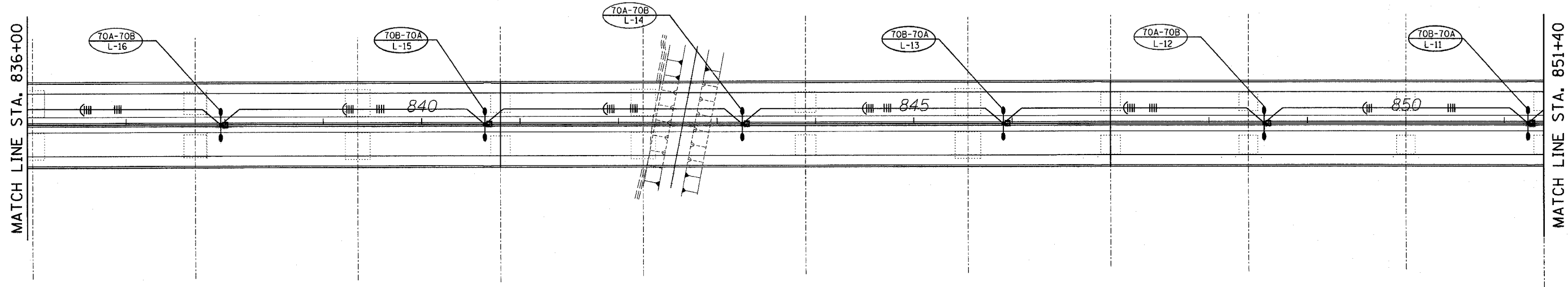
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED WIRING PLAN  
 FROM START OF PROJECT TO STA. 836+00

SCALE: 1"= 50'  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

PLOT DATE = 10/17/2006  
 FILE NAME = x:\3800as\3856\electrical\lighting\plans\3856Ltwiring01.dgn  
 PLOT SCALE = \$SCALE\$  
 TIME = 3:03:59 PM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		347
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LIGHTING SHEET 11 OF 22

REVISIONS	
NAME	DATE

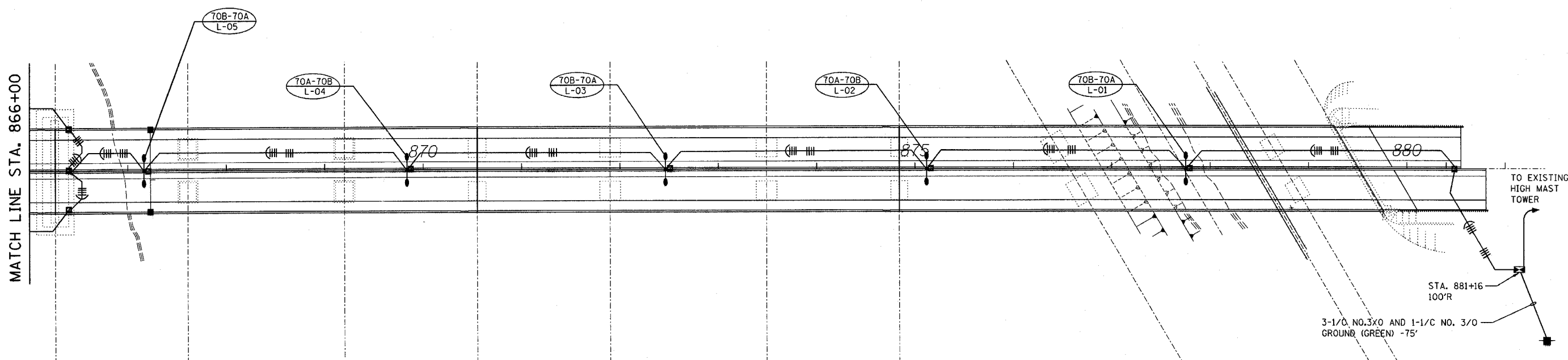
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED WIRING PLAN  
 STA. 836+00 TO STA. 866+00

SCALE: 1" = 50'  
 DATE: \_\_\_\_\_ DRAWN BY DJK  
 CHECKED BY GHT

PLOT DATE = 10/17/2006  
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 TIME = 3:03:55 PM



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		348
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LIGHTING SHEET 12 OF 22

REVISIONS	
NAME	DATE

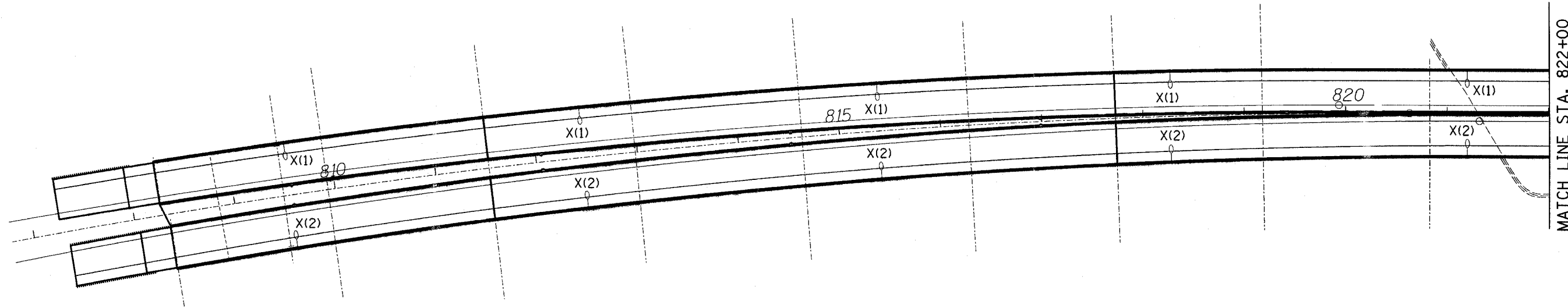
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED WIRING PLAN  
 STA. 866+00 TO STA. 881+00

SCALE: 1" = 50'  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

PLOT DATE = 10/17/2006  
 FILE NAME = K:\38005\3856\electrical\lighting\plans\3856L\Wiring03.dgn  
 PLOT TIME = 3:03:51 PM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		349
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LIGHTING SHEET 13 OF 22

REVISIONS	
NAME	DATE

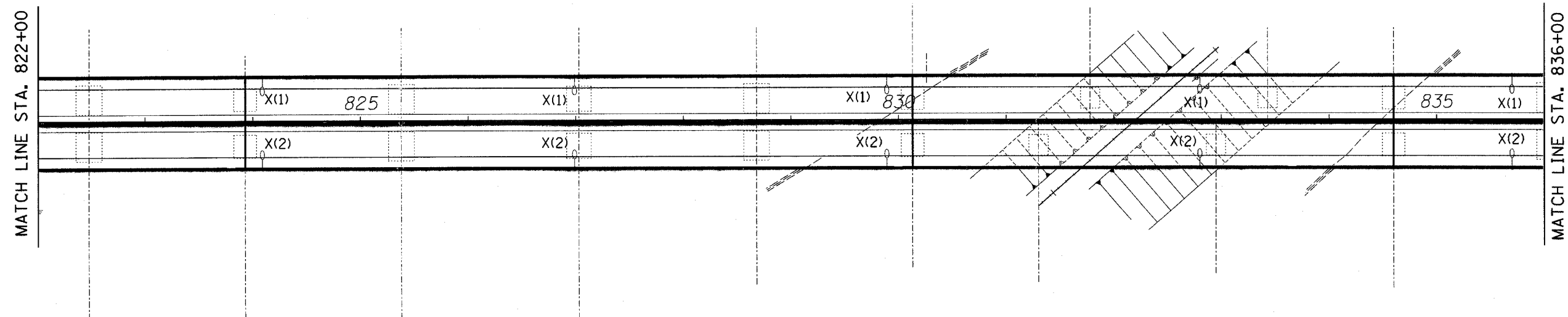
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 LIGHTING REMOVAL PLAN  
 FROM START OF PROJECT TO STA. 822+00

SCALE: 1" = 50'  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

PLOT DATE = 10/17/2006  
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-48	LASALLE		350
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



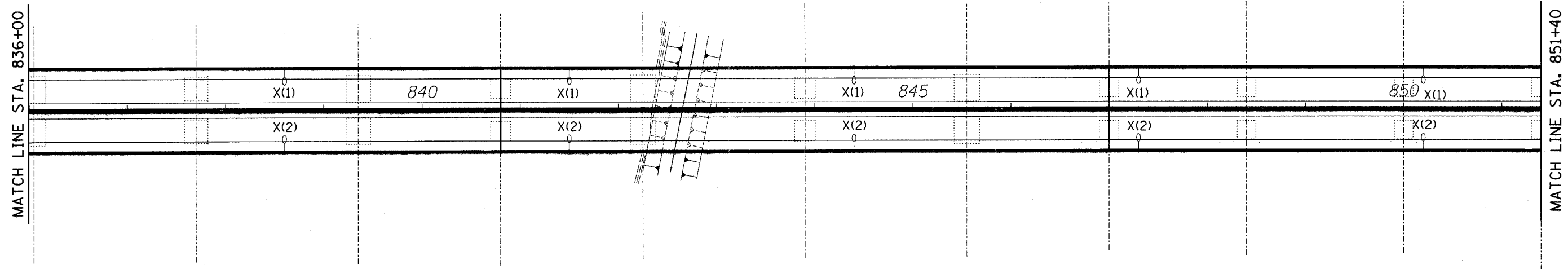
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 LIGHTING REMOVAL PLAN  
 STA. 822+00 TO STA. 836+00

SCALE: 1" = 50'  
 DATE  
 DRAWN BY DJK  
 CHECKED BY GHT

PLOT DATE = 10/17/2006  
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		351
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LIGHTING SHEET 15 OF 22

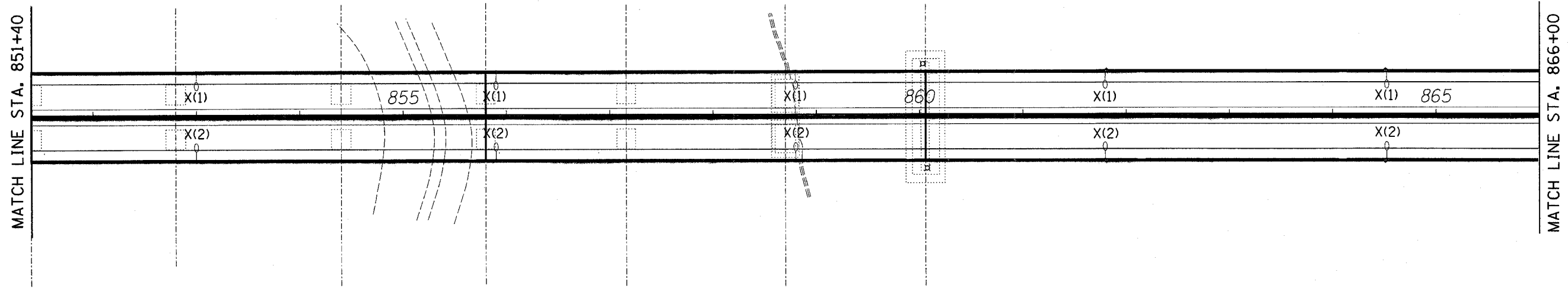
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 LIGHTING REMOVAL PLAN  
 STA. 836+00 TO STA. 853+00

SCALE: 1" = 50'  
 DATE  
 DRAWN BY DJK  
 CHECKED BY GHT

PLOT DATE = 10/17/2006  
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		352
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LIGHTING SHEET 16 OF 22

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 LIGHTING REMOVAL PLAN  
 STA. 853+00 TO STA. 866+00

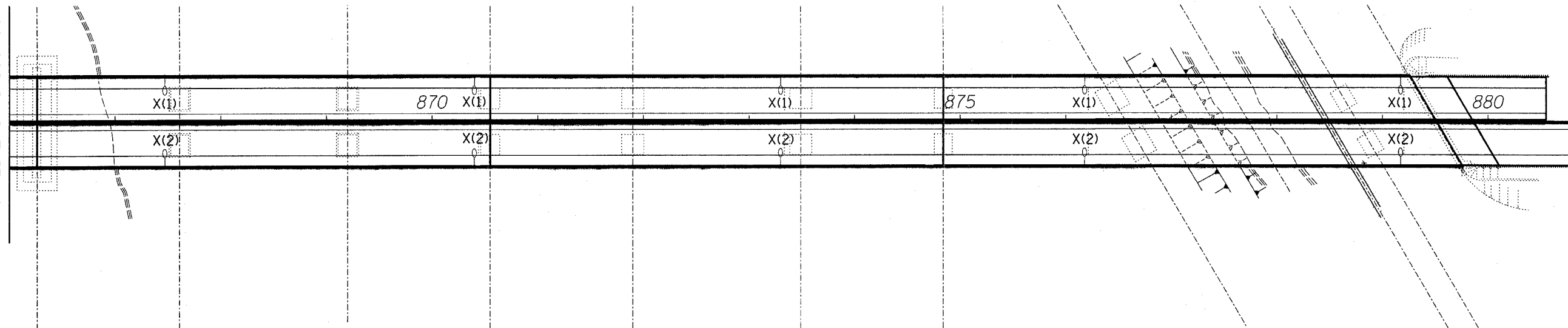
SCALE: 1" = 50'  
 DATE  
 DRAWN BY DJK  
 CHECKED BY GHT

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 TIME = 3:03:36 PM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		353
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



MATCH LINE STA. 866+00



X(2)

LIGHTING SHEET 17 OF 22

REVISIONS	
NAME	DATE

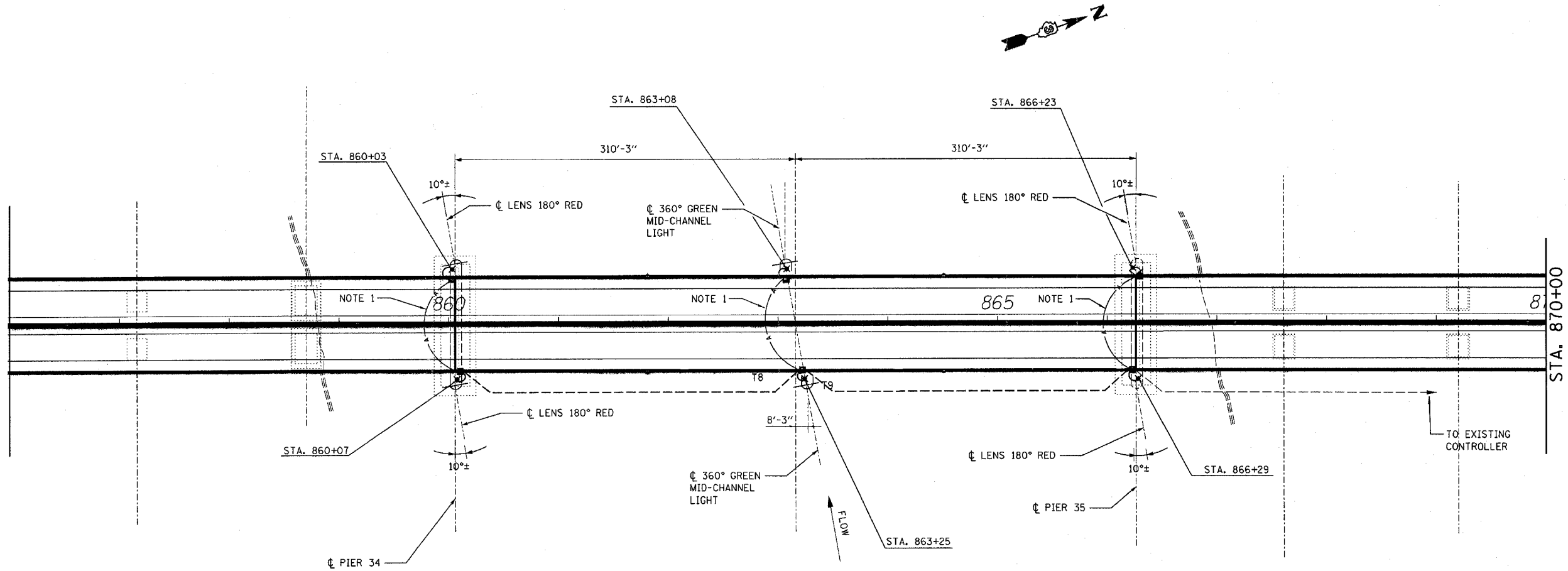
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 LIGHTING REMOVAL PLAN  
 STA. 866+00 TO STA. 881+00

SCALE: 1" = 50'  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

PLOT DATE = 10/17/2006  
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		354
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



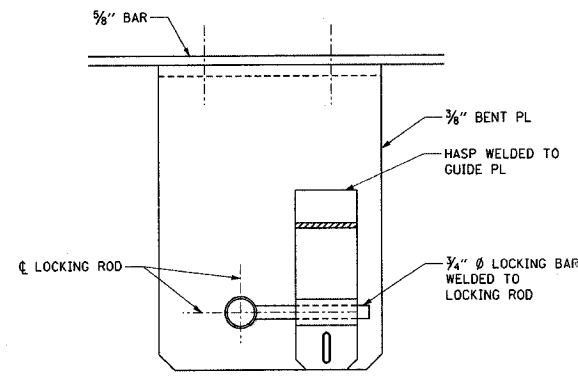
- NOTES:**
- TEMPORARY LIGHTING CABLE TO SERVICE EXISTING NAVIGATIONAL LIGHTING DURING CONSTRUCTION.

REVISIONS	
NAME	DATE

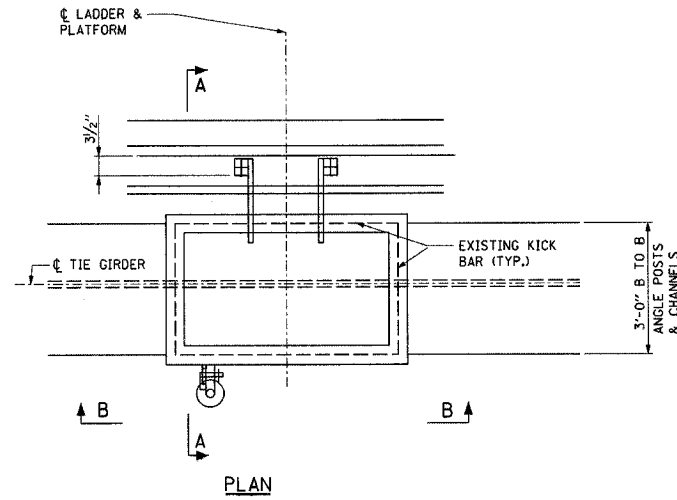
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 TEMPORARY NAVIGATION LIGHTING

SCALE: 1" = 50'  
 DATE

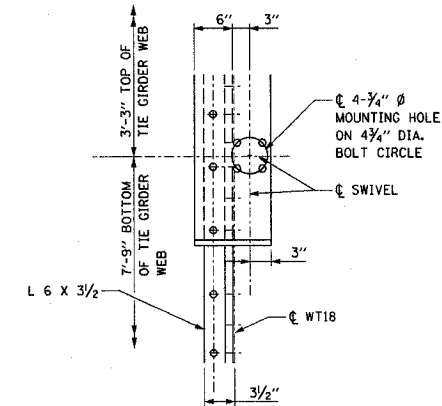
DRAWN BY DJK  
 CHECKED BYGHT



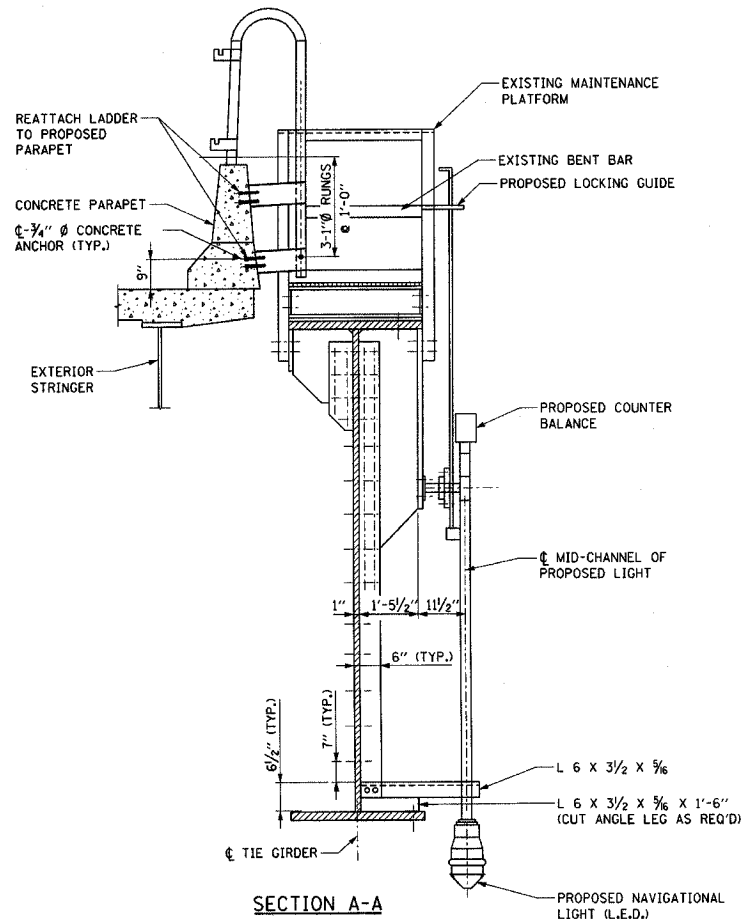
LOCKING GUIDE DETAIL



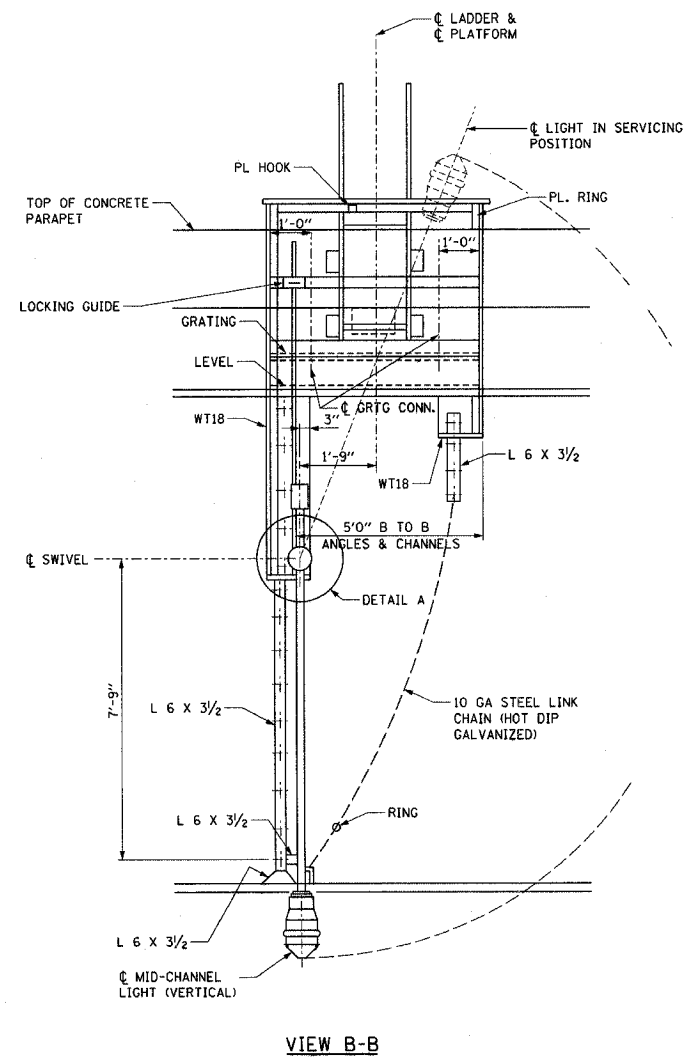
PLAN



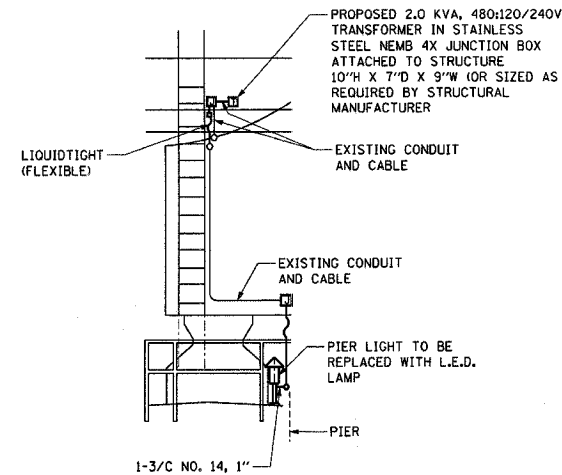
DETAIL A  
PROPOSED SWIVEL DETAIL



SECTION A-A

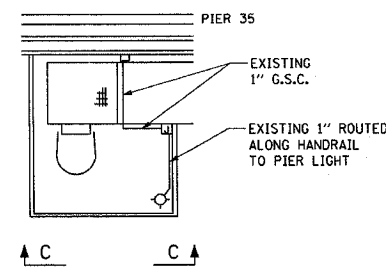


VIEW B-B



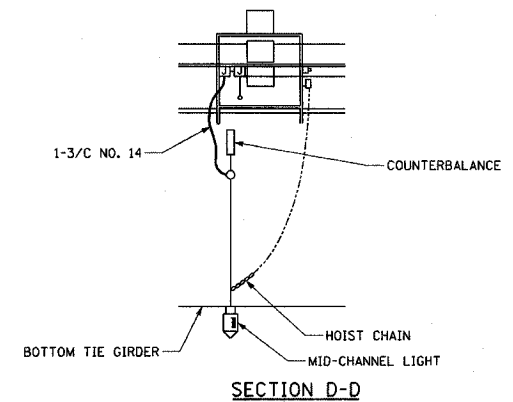
ELEVATION VIEW PIER NO. 35  
DOWNSTREAM-SECTION C-C

NOTE: PIER #35 UPSTREAM & PIER #34  
UPSTREAM & DOWNSTREAM, SIMILAR

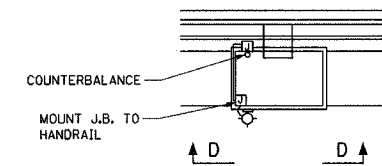


DETAIL  
PLAN PIER #35 DOWNSTREAM

NOTE: PIER #35 UPSTREAM & PIER #34  
UPSTREAM & DOWNSTREAM, SIMILAR



SECTION D-D



DETAIL  
PLAN MID-CHANNEL-UPSTREAM  
NOTE: DOWNSTREAM SIMILAR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 NAVIGATION LIGHTING  
 DETAILS

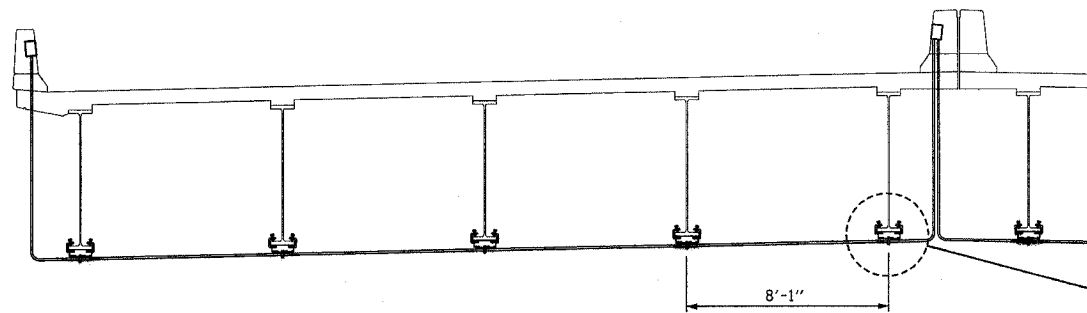
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 DATE

DRAWN BY DJK  
 CHECKED BY GHT

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 PLOT SCALE = 1/8" = 1'-0"  
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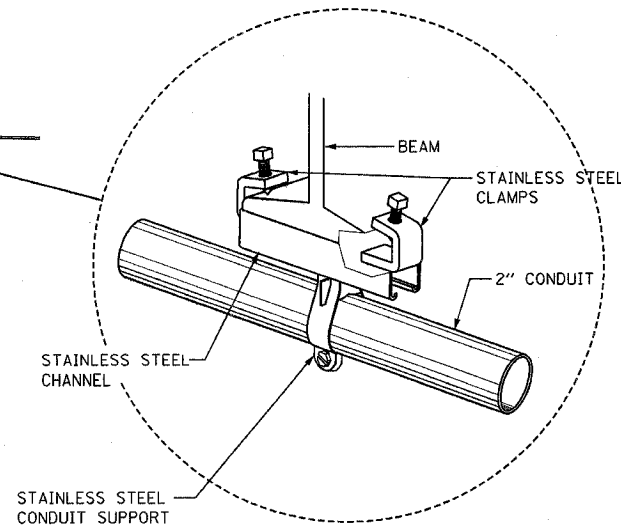


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		356
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



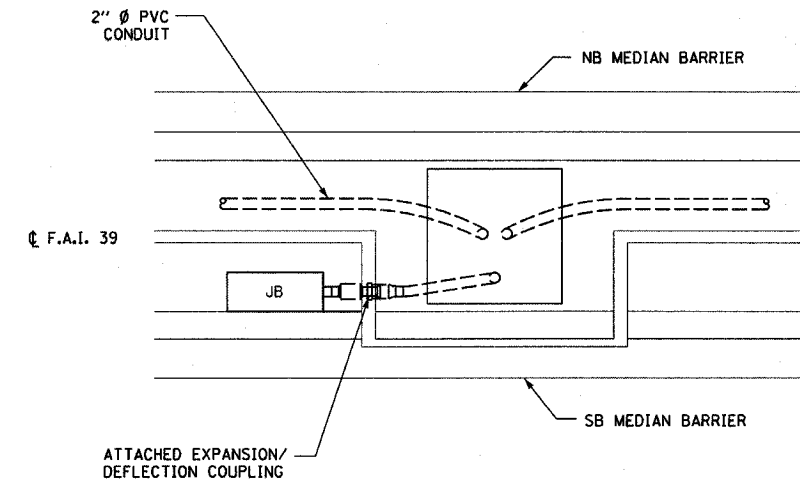
**MEDIAN PARAPET TO OUTSIDE PARAPET TRANSITION**

NOTE - SOUTHBOUND ATTACHMENT SIMILAR



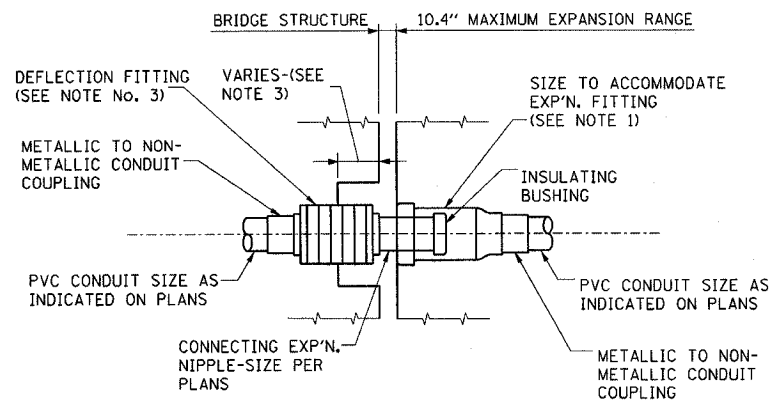
**CLAMP DETAIL**

N.T.S.



**NORTHBOUND TO SOUTHBOUND TRANSITION**

**PLAN VIEW**

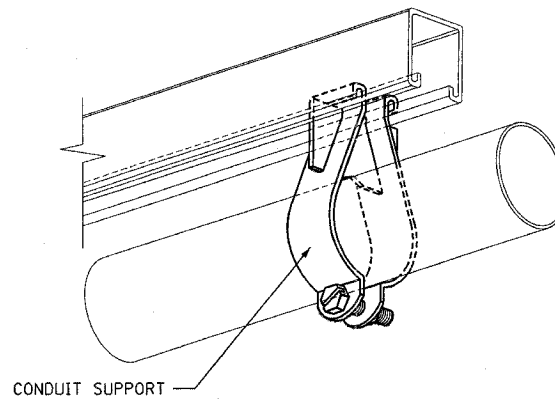


**CONDUIT EXPANSION/DEFLECTION COUPLING EMBEDDED DETAIL**

NOTE - COST OF CONDUIT EXPANSION/DEFLECTION COUPLING IS INCLUDED IN THE PAY ITEM FOR CONDUIT. (N.T.S.)

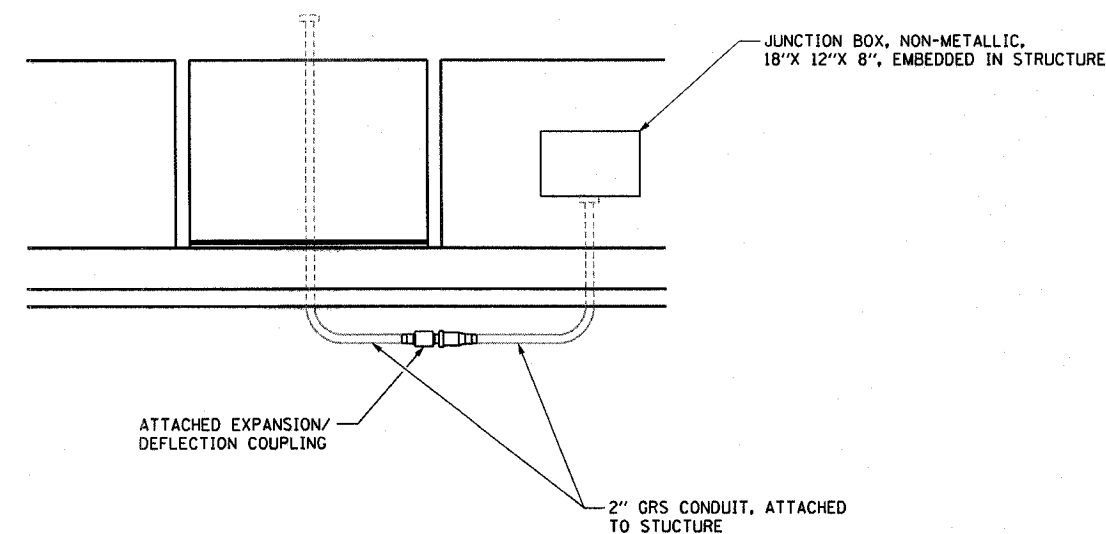
**NOTES:**

1. THE BARREL OF THE FITTING WILL BE FULLY EMBEDDED IN THE CONCRETE ON ONE SIDE OF THE EXPANSION JOINT.
2. CONDUIT BENDS AND RADII WILL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
3. A CAVITY OPENING, IF REQUIRED, WILL BE A 3 INCH LARGER DIAMETER THAN THE DEFLECTION SLEEVE DIAMETER AND A MAXIMUM DEPTH OF HALF OF THE DEFLECTION SLEEVE LENGTH. THE DEFLECTION FITTING WILL BE CENTERED IN THE OPENING AND EMBEDDED IN THE CONCRETE ONLY UP TO THE DEFLECTION FITTING CENTER.
4. EXPANSION/DEFLECTION COUPLING SHALL ACCOMMODATE AN EXPANSION RANGE OF 10.4".



**CONDUIT SUPPORT**

N.T.S.



**NORTHBOUND TO SOUTHBOUND TRANSITION**

**ELEVATION**

LIGHTING SHEET 20 OF 22

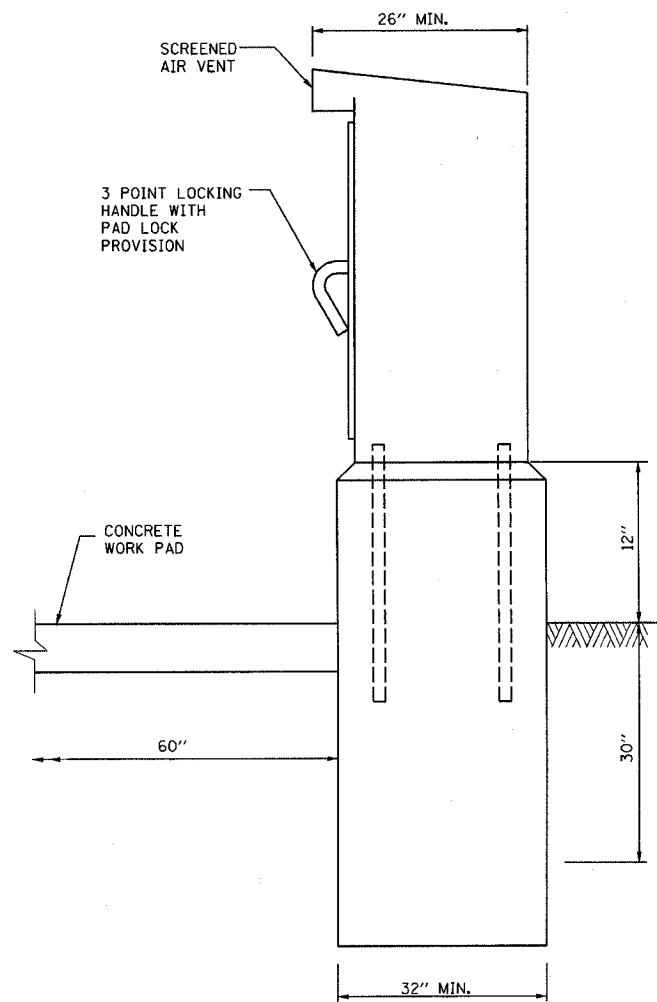
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PARAPET LIGHT MOUNTING  
 AND CONDUIT PLAN

SCALE: NONE  
 DATE

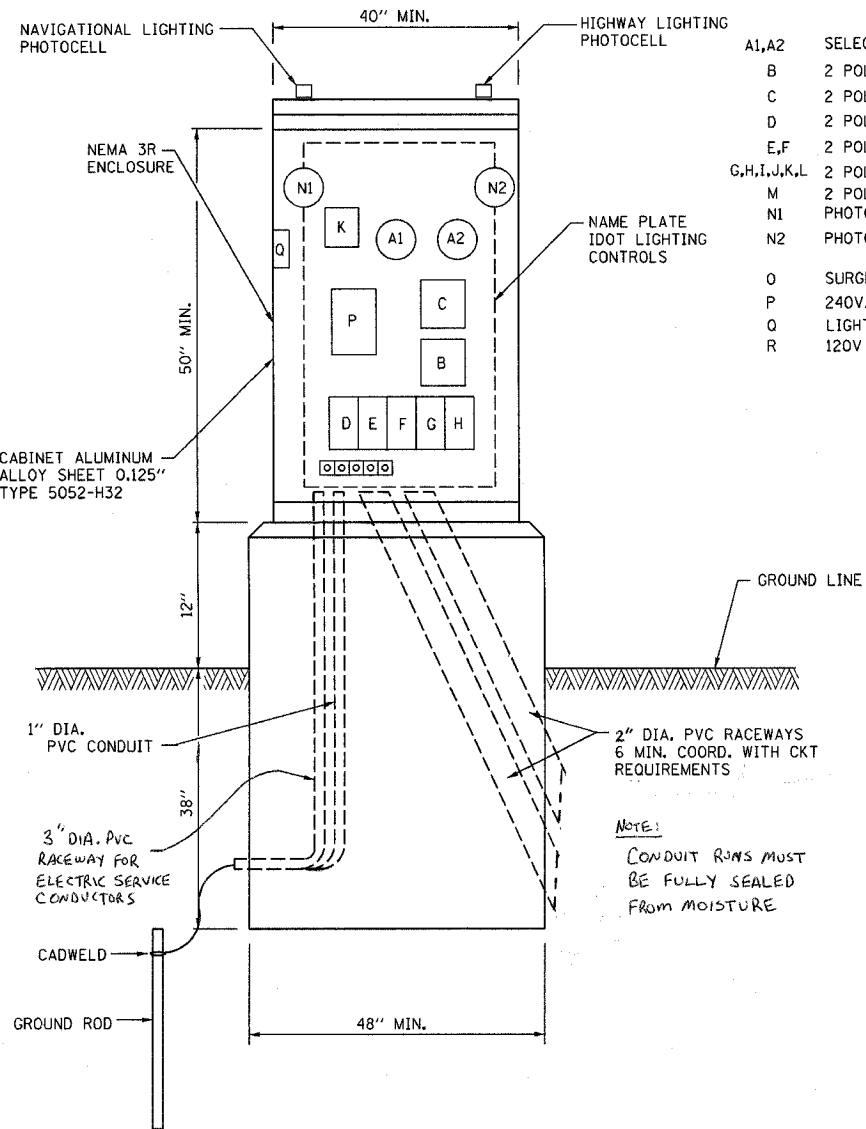
DRAWN BY DJK  
 CHECKED BY GHT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		357
STA.		TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**CABINET & FOUNDATION**

\* THE COST OF THE GROUND ROD AND GROUND CLAMP SHALL BE INCLUDED IN THE PAY ITEM "LIGHTING CONTROLLER."  
 THE FOLLOWING SHALL BE INCLUDED IN THE CONTROLLER CABINET:  
 -GFI SERVICE RECEPTACLE.  
 -CAGE MOUNTED SERVICE LIGHT FIXTURE WITH ON/OFF SWITCH.  
 -STEP DOWN TRANSFORMER WITH SECONDARY FUSING.  
 THESE ITEMS SHALL BE INCLUDED IN THE PAY ITEM "LIGHTING CONTROLLER" TYPE CB-RCS, 200AMP-480VOLT-DUAL"

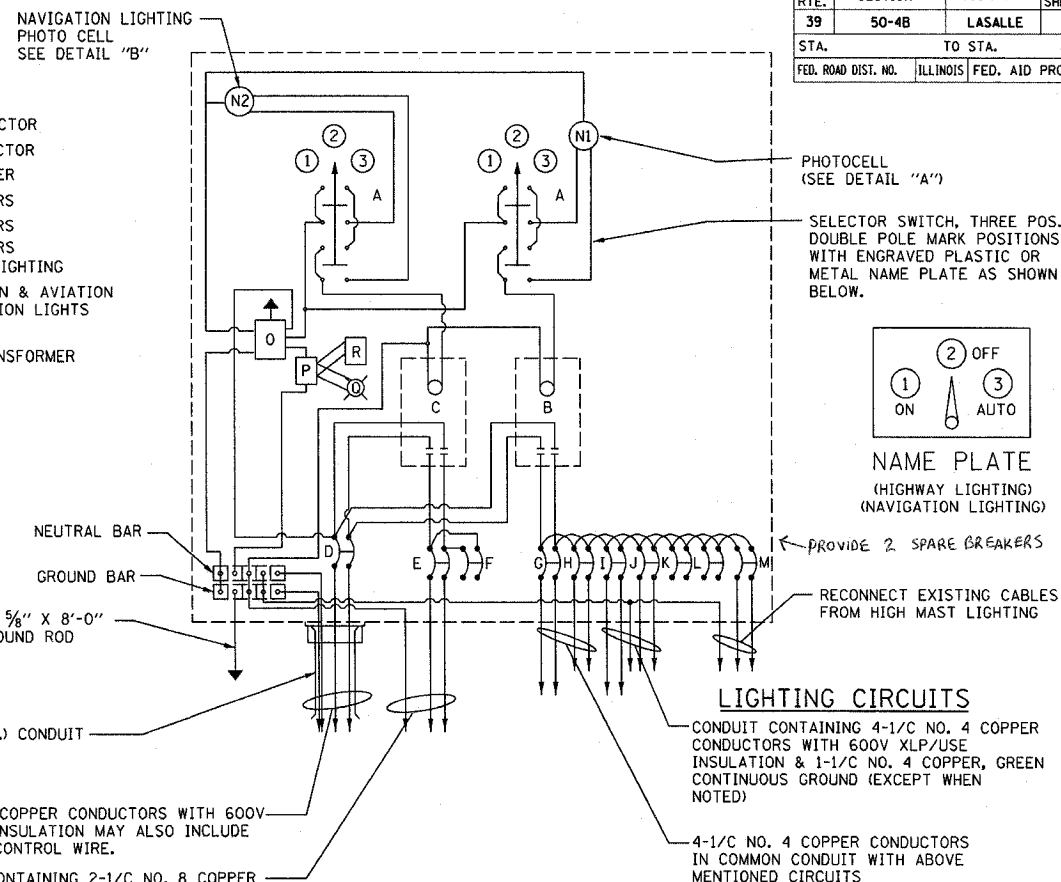


**CABINET FOUNDATION & DIAGRAMMATIC ASSEMBLY (FRONT VIEW)**

NOTE:  
 CONDUIT RUNS MUST BE FULLY SEALED FROM MOISTURE

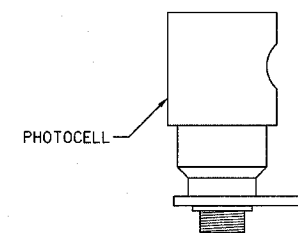
- A1,A2 SELECTOR SWITCHES
- B 2 POLE 200AMP CONTACTOR
- C 2 POLE 100AMP CONTACTOR
- D 2 POLE 200AMP BREAKER
- E,F 2 POLE 30AMP BREAKERS
- G,H,I,J,K,L 2 POLE 30AMP BREAKERS
- M 2 POLE 60AMP BREAKERS
- N1 PHOTO CELL-HIGHWAY LIGHTING
- N2 PHOTOCELL- NAVIGATION & AVIATION OBSTRUCTION LIGHTS
- O SURGE PROTECTOR
- P 240V/120V 1.5KVA TRANSFORMER
- Q LIGHT
- R 120V GFI RECEPTACLE

**SERVICE**  
 4-1/C #3/0 COPPER CONDUCTORS WITH 600V XLP/USE-2 INSULATION MAY ALSO INCLUDE PHOTOCELL CONTROL WIRE.  
 CONDUIT CONTAINING 2-1/C NO. 8 COPPER CONDUCTORS WITH 600V XLP/USE INSULATION & 1-1/C NO. 8 COPPER, GREEN CONTINUOUS GROUND FOR NAVIGATION LIGHTING



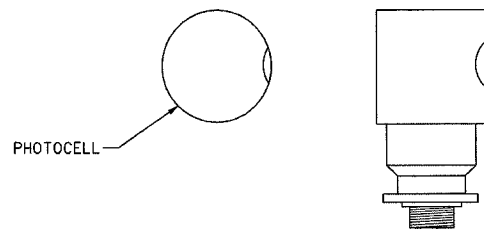
**WIRING DIAGRAM**

NOTE:  
 WIRING SHALL BE PANEL BOARD FASHION. ALL BENDS SHALL BE RIGHT ANGLES. ALL RUNS SHALL BE VERTICAL OR PARALLEL TO PANEL BOARD. WIRES SHALL BE GROUPED OR LACED



**DETAIL "A" HIGHWAY LIGHTING PHOTOCELL**

PHOTOCELL WINDOW SHALL BE FACING TO NORTH.



**DETAIL "B" NAVIGATION LIGHTING PHOTOCELL**

NOTE:  
 1. SEE ARTICLE 1068.01 (e) (d) h. FOR NAVIGATIONAL PHOTOCELL REQUIREMENTS.  
 2. PHOTOCELL WINDOW SHALL BE FACING TO NORTH.

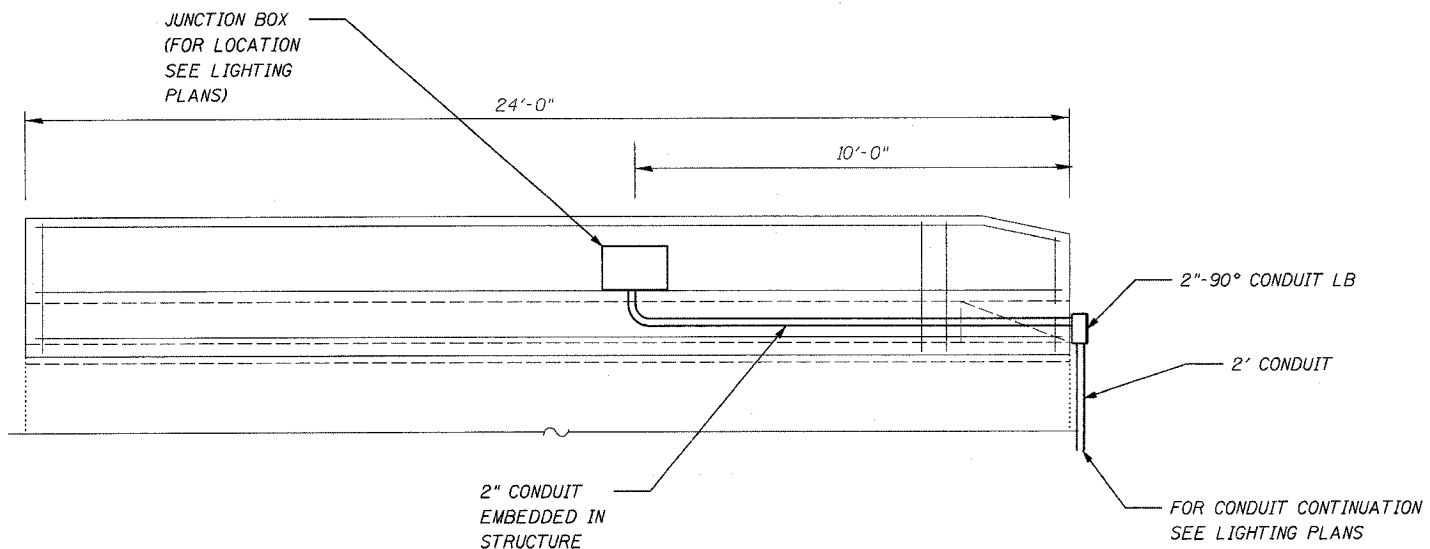
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 LIGHTING CONTROL INSTALLATION

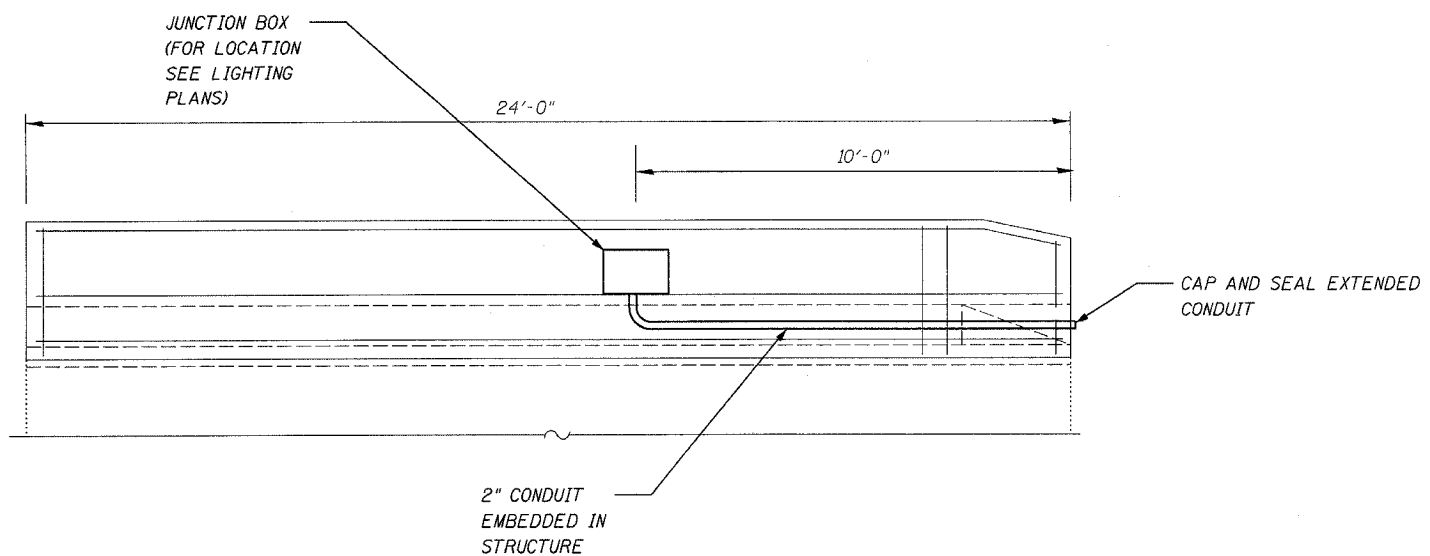
SCALE: NONE  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

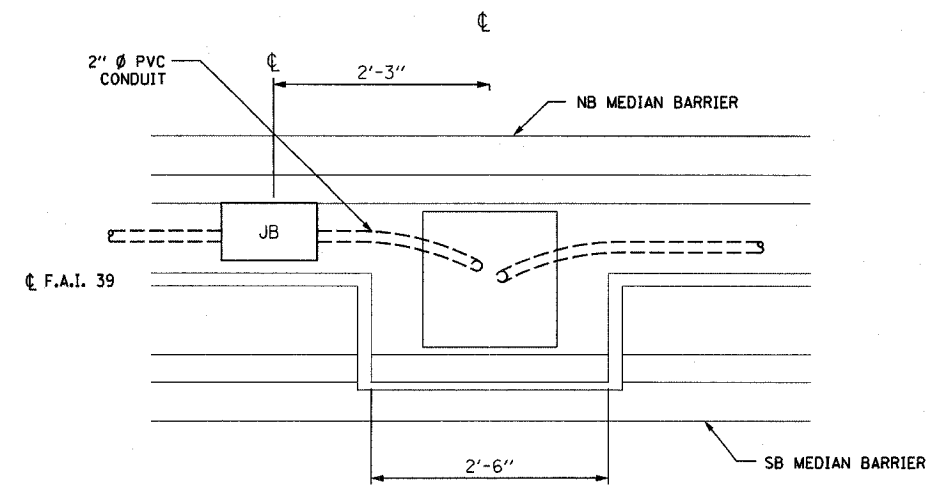
F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
39	50-4B	LASALLE	358
STA.		TO STA.	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



**WINGWALL**  
(CONDUIT CONTINUING IN TRENCH)



**WINGWALL**  
(CAP AND SEAL)



**NORTHBOUND TO SOUTHBOUND TRANSITION**  
**PLAN VIEW**

REVISIONS	
NAME	DATE

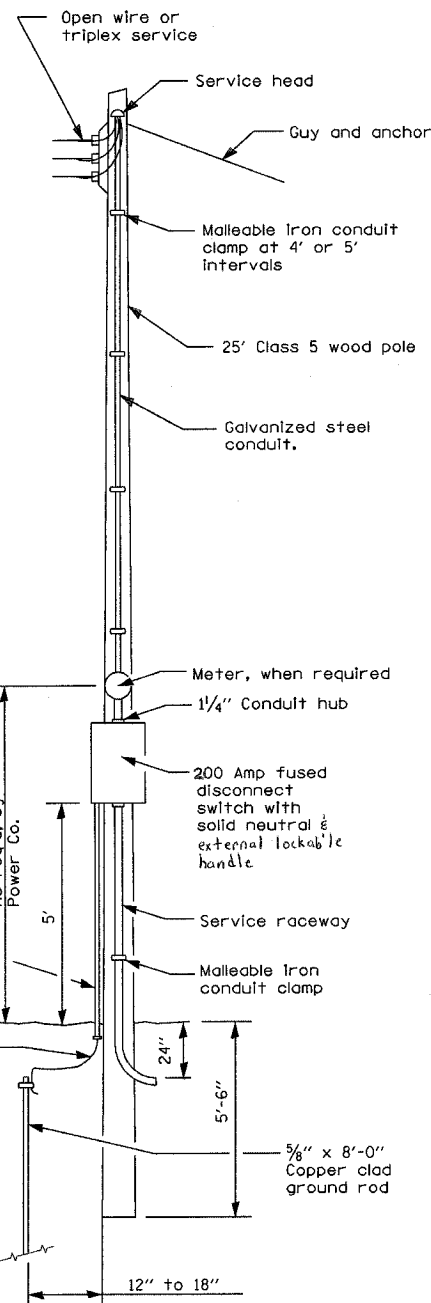
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ABRAHAM LINCOLN MEMORIAL BRIDGE  
OVER THE ILLINOIS RIVER  
F.A.I. ROUTE 39  
WINGWALL EXIT DETAIL

SCALE: NONE  
DATE

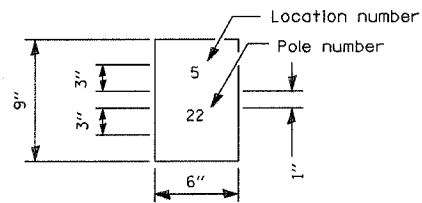
DRAWN BY DJK  
CHECKED BY GHT

PLOT DATE = 10/17/2006  
FILE NAME = x:\38008\3856\electrical\lighting\plans\3856LT.dwg  
PLOT SCALE = \$SCALE\$  
TIME = 3:03:05 PM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		358A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



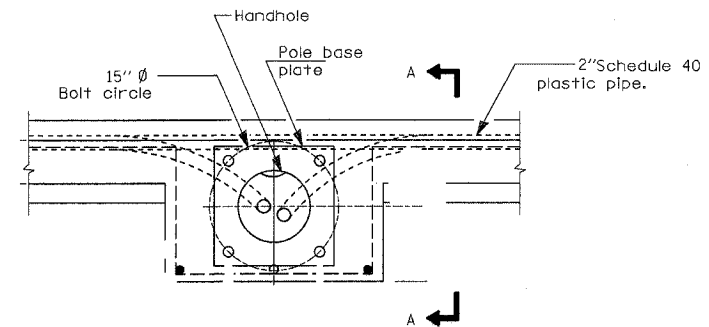
**SERVICE POLE**



The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 3" series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section 1602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

The light pole identification shall be applied to sign base material as specified in section 1085.05 of the Standard Specifications, approximately 7' above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 2319.

2 Plates per pole for median mounted poles



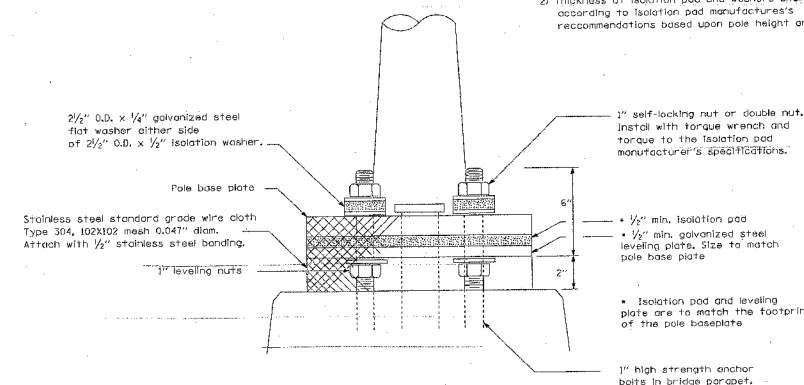
**PLAN**

**Pole Mounted on Bridge Parapet Detail**

8/31/2006

Notes:

- 1) Locate poles over bridge piers where possible.
- 2) Thickness of isolation pad and washers shall be according to isolation pad manufacturer's recommendations based upon pole height and loading.



**SECTION A-A**

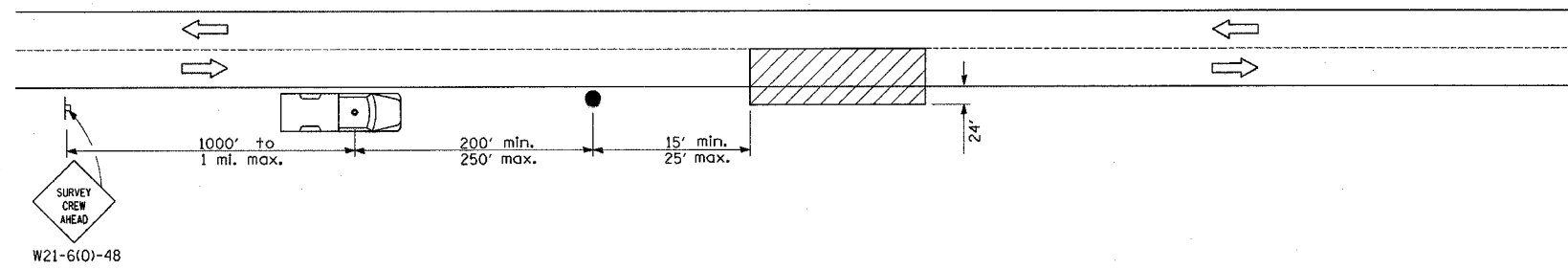
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 CONTROL INSTALLATION  
 DUAL





SCALE: NONE  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		358B
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**SYMBOLS**

-  Work area
-  Sign on portable or permanent support
-  Truck with flashing amber light and dual emergency flashers
-  Flagger with traffic control sign

TYPICAL APPLICATIONS  
Utility operations

LIGHTING SHEET 22B OF 22

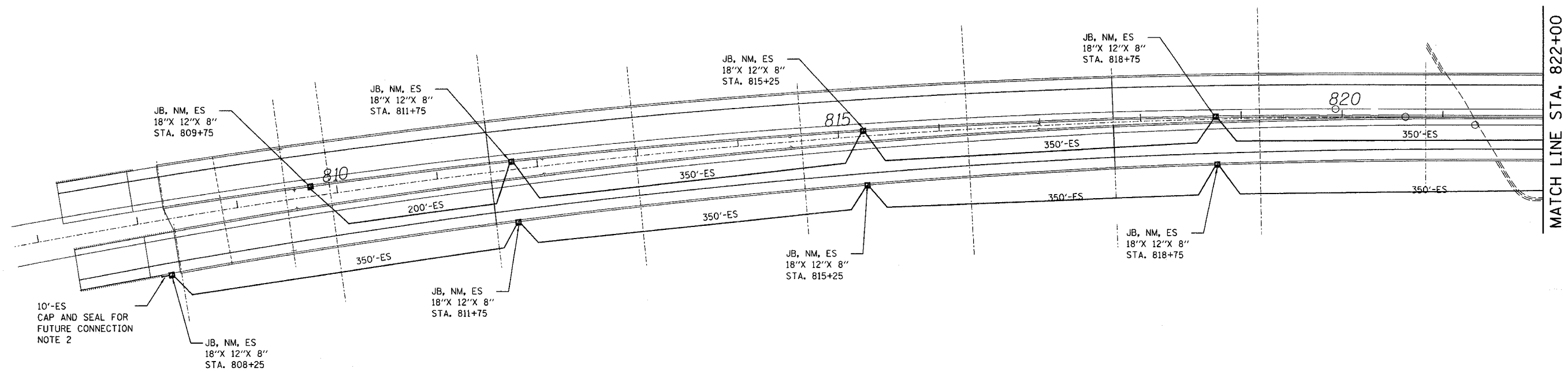
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ABRAHAM LINCOLN MEMORIAL BRIDGE  
OVER THE ILLINOIS RIVER  
F.A.I. ROUTE 39  
NIGHTTIME INSPECTION  
DETAIL

SCALE: NONE  
DATE

DRAWN BY DJK  
CHECKED BY GHT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
39	50-4B	LASALLE	359
STA.		TO STA.	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT



**NOTES:**

1. FOR GENERAL AND CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS, SEE LIGHTING SHEET 1 OF 22.
2. FOR WINGWALL EXIT DETAIL, SEE LIGHTING SEE LIGHTING SHEET 22 OF 22.
3. JUNCTION BOX AT STA. 809+75 TO FEED CAMERA MOUNTED TO LIGHT POLE AT STA. 809+58. FOR ADDITIONAL INFORMATION AND WORK, SEE VIDEO CAMERA DETAIL SHEET.

ITS SHEET 1 OF 5

REVISIONS	
NAME	DATE

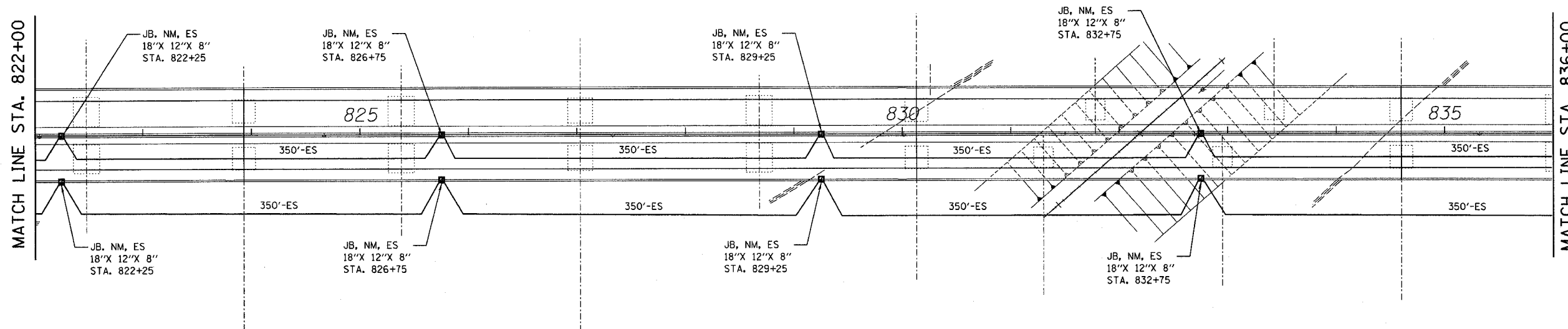
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED ITS PLAN  
 FROM START OF PROJECT TO STA. 822+00

SCALE: 1"= 100'  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

PLOT DATE = 9/5/2006  
 FILE NAME = M:\38005\3856\Electrical\Lighting\Plans\3856ITSPlan01.dgn  
 PLOT SCALE = #SCALE\$  
 TIME = 10:08:15 AM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		200
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**NOTES:**

1. FOR GENERAL AND CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS, SEE LIGHTING SHEET 1 OF 22.
2. FOR WINGWALL EXIT DETAIL, SEE LIGHTING SEE LIGHTING SHEET 22 OF 22.

REVISIONS	
NAME	DATE

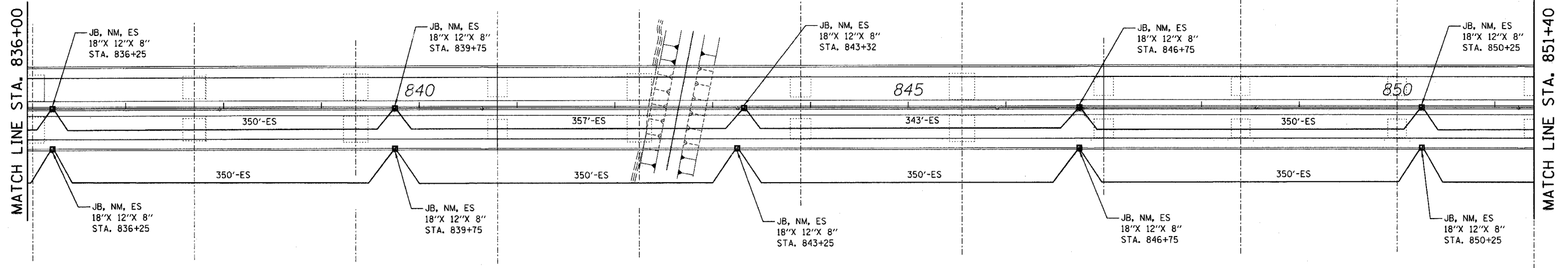
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED ITS PLAN  
 STA. 822+00 TO STA. 836+00

SCALE: 1" = 50'  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

PLOT DATE = 8/30/2006  
 FILE NAME = x:\38005\3856\electrical\lighting\plans\3856ITSPlan02.dgn  
 PLOT SCALE = 3/29/06 PM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		361
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**NOTES:**

1. FOR GENERAL AND CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS, SEE LIGHTING SHEET 1 OF 22.
2. FOR WINGWALL EXIT DETAIL, SEE LIGHTING SEE LIGHTING SHEET 22 OF 22.

ITS SHEET 3 OF 5

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED ITS PLAN  
 STA. 836+00 TO STA. 853+00

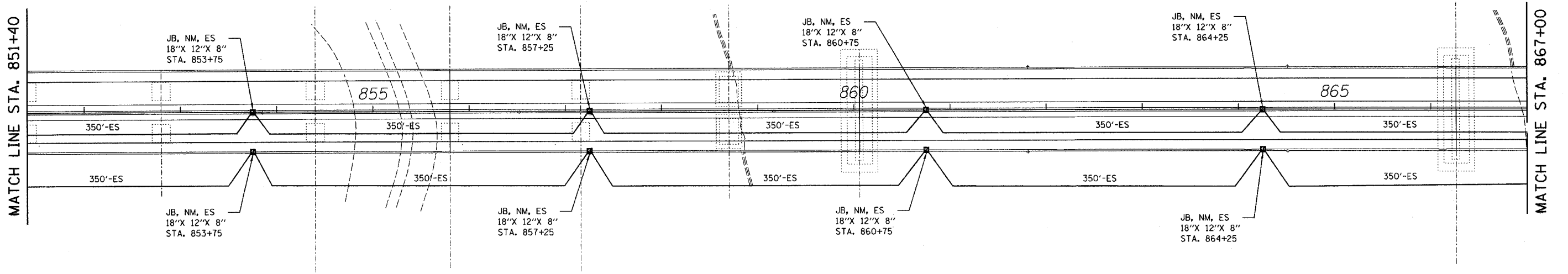
SCALE: 1" = 50'  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

PLOT DATE = 8/30/2006  
 FILE NAME = x:\3800s\3855\electr\lca\lighting\plans\385615Plan03.dgn  
 PLOT SCALE = 3/32001 PM  
 TIME



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**NOTES:**

1. FOR GENERAL AND CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS, SEE LIGHTING SHEET 1 OF 22.
2. FOR WINGWALL EXIT DETAIL, SEE LIGHTING SEE LIGHTING SHEET 22 OF 22.

ITS SHEET 4 OF 5

REVISIONS	
NAME	DATE

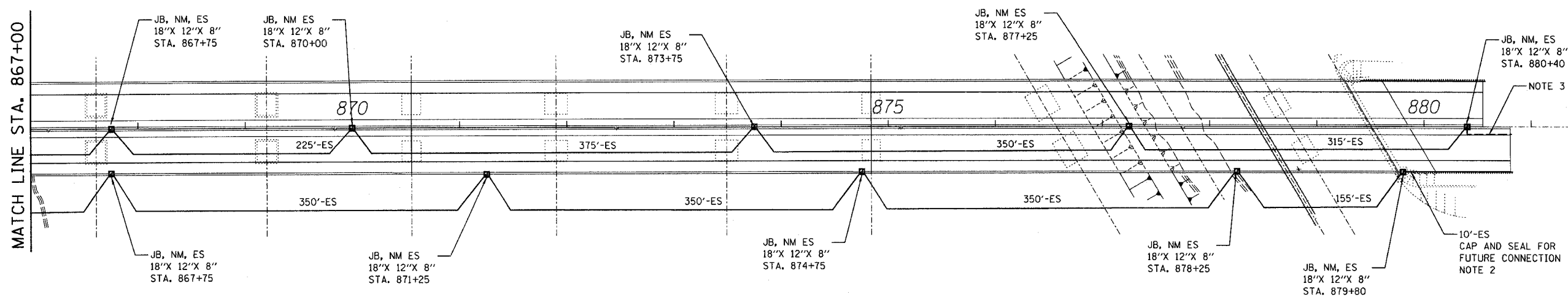
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED ITS PLAN  
 STA. 853+00 TO STA. 866+00

SCALE: 1"= 50'  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT

PLOT DATE = 8/30/2006  
 FILE NAME = X:\3800s\3856\electrical\lighting\plans\3856ITSPlan04.dgn  
 PLOT SCALE = 1/8"= 1'-0"  
 TIME = 3:29:05 PM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	50-4B	LASALLE		363
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



1. FOR GENERAL AND CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS, SEE LIGHTING SHEET 1 OF 22.
2. FOR WINGWALL EXIT DETAIL, SEE LIGHTING SEE LIGHTING SHEET 22 OF 22.
3. CONTRACTOR SHALL STUB 2" CONDUIT INTO THE NORTHBOUND SHOULDER IN STAGE 1. SEE VIDEO CAMERA DETAIL SHEET FOR ADDITIONAL WORK.
4. JUNCTION BOX AT STA. 870+00 TO FEED CAMERA MOUNTED TO LIGHT POLE AT STA. 869+84. FOR ADDITIONAL WORK, SEE VIDEO CAMERA DETAIL SHEET.

ITS SHEET 5 OF 5

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ABRAHAM LINCOLN MEMORIAL BRIDGE  
 OVER THE ILLINOIS RIVER  
 F.A.I. ROUTE 39  
 PROPOSED ITS PLAN  
 STA. 866+00 TO STA. 881+00

SCALE: 1"= 50'  
 DATE

DRAWN BY DJK  
 CHECKED BY GHT