

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63,315	D6 BRIDGE CLEANING 2020	ADAMS,HANCOCK	13	1
		ILLINOIS	CONTRACT NO. 72M38	

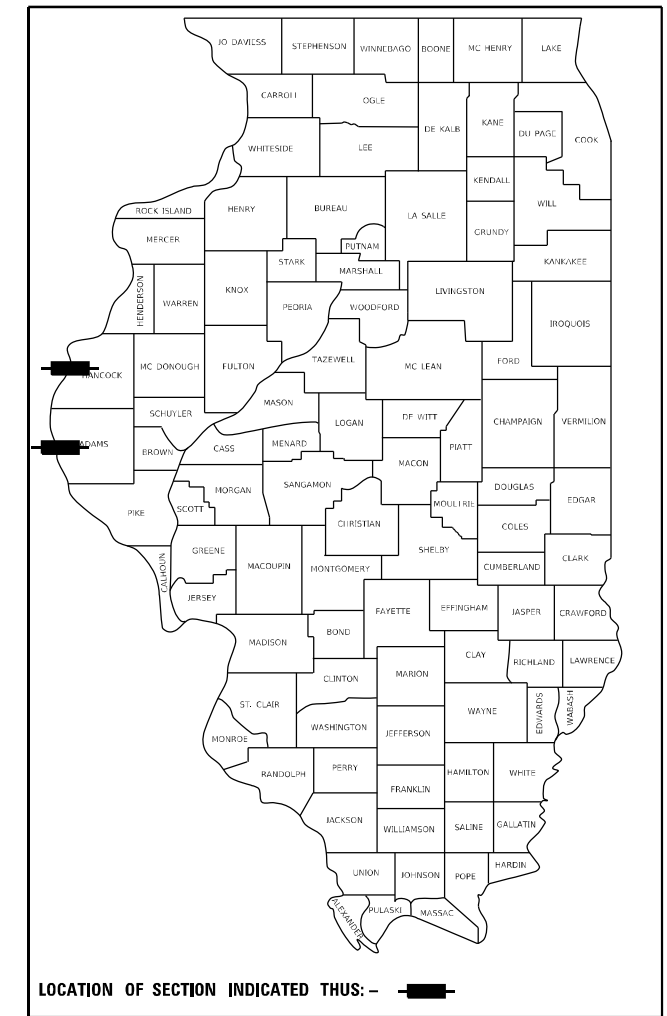
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAP 63, 315 (US 24, US 136)
SECTION D6 BRIDGE CLEANING 2020
PROJECT NHPP-QW05(542)
BRIDGE WASHING
ADAMS & HANCOCK COUNTIES

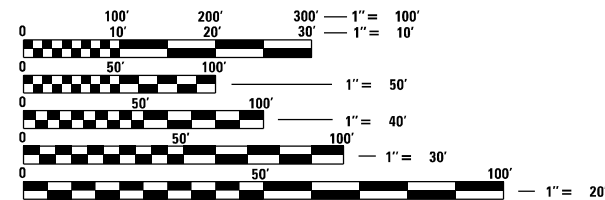
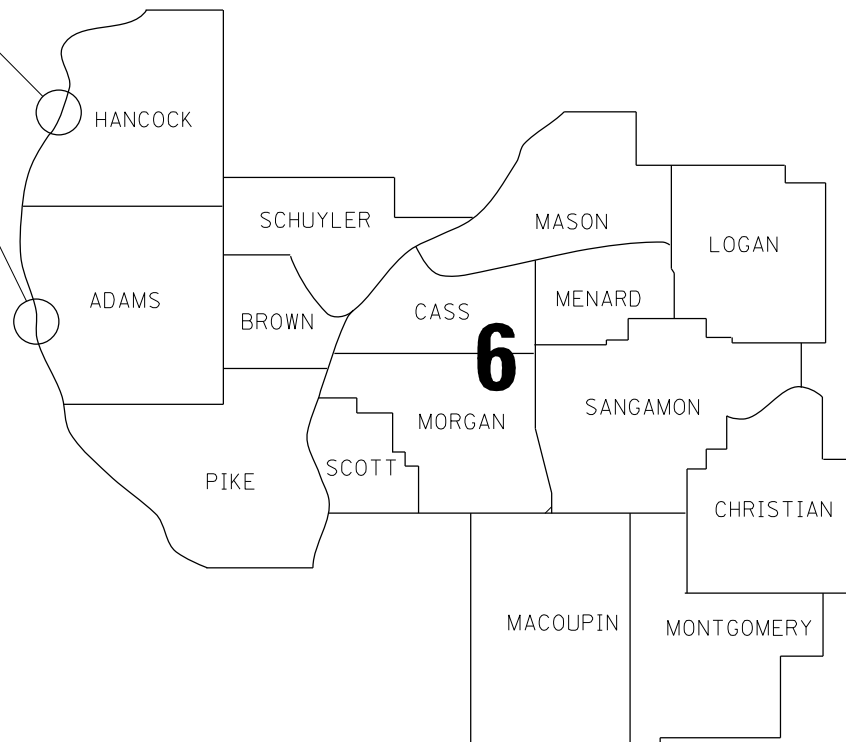
C-96-138-20

D-96-108-20



LOCATION #2
SN 034-0062
US 136 OVER MISSISSIPPI R.
AT KEOKUK

LOCATION #1
SN 001-0068
US 24 WB OVER MISSISSIPPI R.
AT QUINCY



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

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

PROJECT ENGINEER: BRANDON DUDLEY – (217) 785-9290

GROSS LENGTH = x.xx FT. = x.xxx MILE
NET LENGTH = x.xx FT. = x.xxx MILE

CONTRACT NO. 72M38

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 6 2020

[Signature]
REGIONAL ENGINEER

December 4, 2020

[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

December 4, 2020

[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX, STANDARDS, GENERAL NOTES, & SIGNATURES
- 3 SUMMARY OF QUANTITIES
- 4-10 SN 001-0068 BRIDGE PLANS
- 11-13 SN 034-0062 BRIDGE PLANS

STANDARDS

- 000001-07
- 001006
- 701101-05
- 701106-02
- 701601-09
- 701901-08

GENERAL NOTES:

BRIDGE #1 - SN 001-0068: US 24 (WB) AND MAINE STREET OVER THE MISSISSIPPI RIVER AT THE WEST EDGE OF QUINCY IN ADAMS COUNTY. SEE CABLE-STAYED AND MULTI BEAM OR APPROACH SPAN NOTES BELOW. DECK CLEANING SHALL EXTEND PAST THE BRIDGE DECK TO THE EAST APPROXIMATELY 150' TO THE END OF THE APPROACH PAVEMENT.

BRIDGE #2 - SN 034-0062: US 136 OVER THE MISSISSIPPI RIVER AT THE EAST EDGE OF KEOKUK, IA IN HANCOCK COUNTY. SEE MULTI BEAM OR APPROACH SPAN NOTES BELOW. ALSO, THE DECK SCUPPER DRAINAGE SYSTEM IN SPAN 4 SHALL BE FLUSHED AND ALL DEBRIS REMOVED.




ALL BRIDGE WASHING SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 592 OF THE STANDARD SPECS AND AS OUTLINED BELOW:

MULTI BEAM OR APPROACH SPANS - THE AREAS TO BE WASHED ON MULTI BEAM SPANS OR APPROACH SPANS SHALL INCLUDE THE FOLLOWING:

- ALL DECK JOINTS AND DECK DRAINS
- THE ENTIRE DECK SURFACE, CURBS, RAILINGS, AND SIDEWALKS
- THE OUTSIDE AND BOTTOMS OF FASCIA BEAMS
- ALL ABUTMENT AND PIER CAPS
- ALL STRUCTURAL STEEL LOCATED BELOW THE DECK WITHIN 10' LONGITUDINALLY ON EITHER SIDE OF ALL EXPANSION JOINTS OR DEFLECTION JOINTS

CABLE-STAYED SPANS - THE AREAS TO BE WASHED ON CABLE-STAYED SPANS SHALL INCLUDE THE FOLLOWING:

- ALL DECK JOINTS AND DECK DRAINS
- THE ENTIRE DECK SURFACE, CURBS, RAILINGS, AND DECK PORTIONS BEHIND THE PARAPET.
- THE OUTSIDE AND BOTTOMS OF FASCIA BEAMS
- ALL PIER CAPS
- ALL STRUCTURAL STEEL LOCATED BELOW THE DECK WITHIN 10' LONGITUDINALLY ON EITHER SIDE OF ALL EXPANSION JOINTS OR DEFLECTION JOINTS
- ALL CABLES, CABLE ANCHORAGES, AND SUPPORT TOWERS UP TO A HEIGHT OF 10' ABOVE THE DECK SURFACE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED <u>September 18</u> 20 <u>20</u>	 ENGINEER OF OPERATIONS
EXAMINED <u>October 1</u> 20 <u>20</u>	 ENGINEER OF PROJECT IMPLEMENTATION
EXAMINED <u>October 2</u> 20 <u>20</u>	 ENGINEER OF PROGRAM DEVELOPMENT

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		DRAWN -	REVISED -			63,315	D6 BRIDGE CLEANING 2020	DAMS, HANCOCK	13	2	
	PLOT SCALE = 165.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 72M38					
	PLOT DATE = 10/6/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
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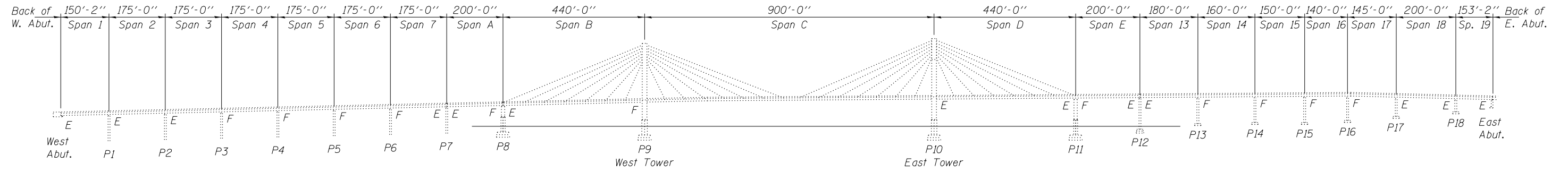
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NHPP 80/20	100% MO	NHPP 80/20	100% IA
SN 001-0068	SN 001-0068	SN 034-0062	SN 034-0062
0047/URBAN	0047/URBAN	0047/RURAL	0047/RURAL
IL/ADAMS	MO/ADAMS	IL/HANCOCK	IA/HANCOCK

CODE NO.	ITEM	UNIT	TOTAL QUANTITY				
				IL/ADAMS	MO/ADAMS	IL/HANCOCK	IA/HANCOCK
58700300	CONCRETE SEALER	SQ FT	8160	2805	2805	1275	1275
59200101	BRIDGE WASHING NO. 1	EACH	1	0.5	0.5	0	0
59200102	BRIDGE WASHING NO. 2	EACH	1	0	0	0.5	0.5
67100100	MOBILIZATION	L SUM	1	0.25	0.25	0.25	0.25
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.25	0.25	0.25	0.25

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REV. - MS

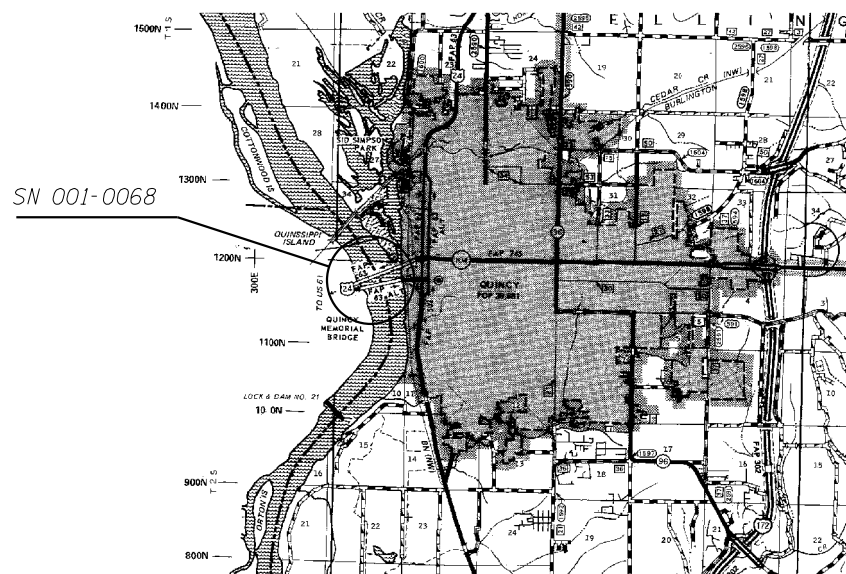
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PLOT DATE = 10/6/2020	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



SN 001-0068 ELEVATION



SN 001-0068 PLAN



LOCATION MAP

SN 001-0068 BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Bridge Washing No. 1	Each	1
Concrete Sealer	Sq. Ft.	5610

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	DRAWN - BRANDON DUDLEY	REVISED -
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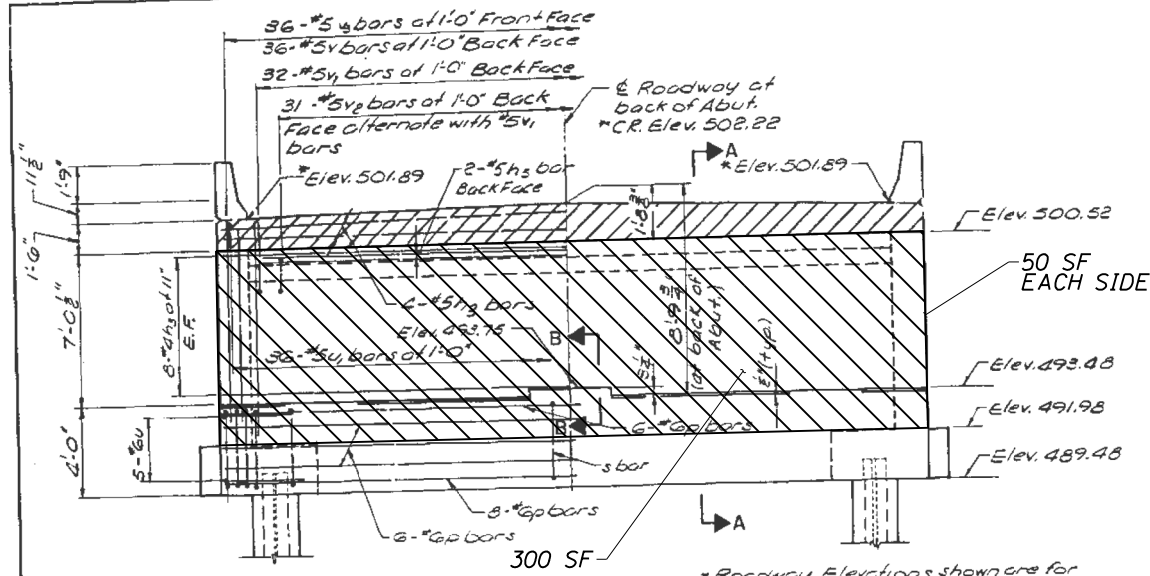
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN & ELEVATION
SN 001-0068

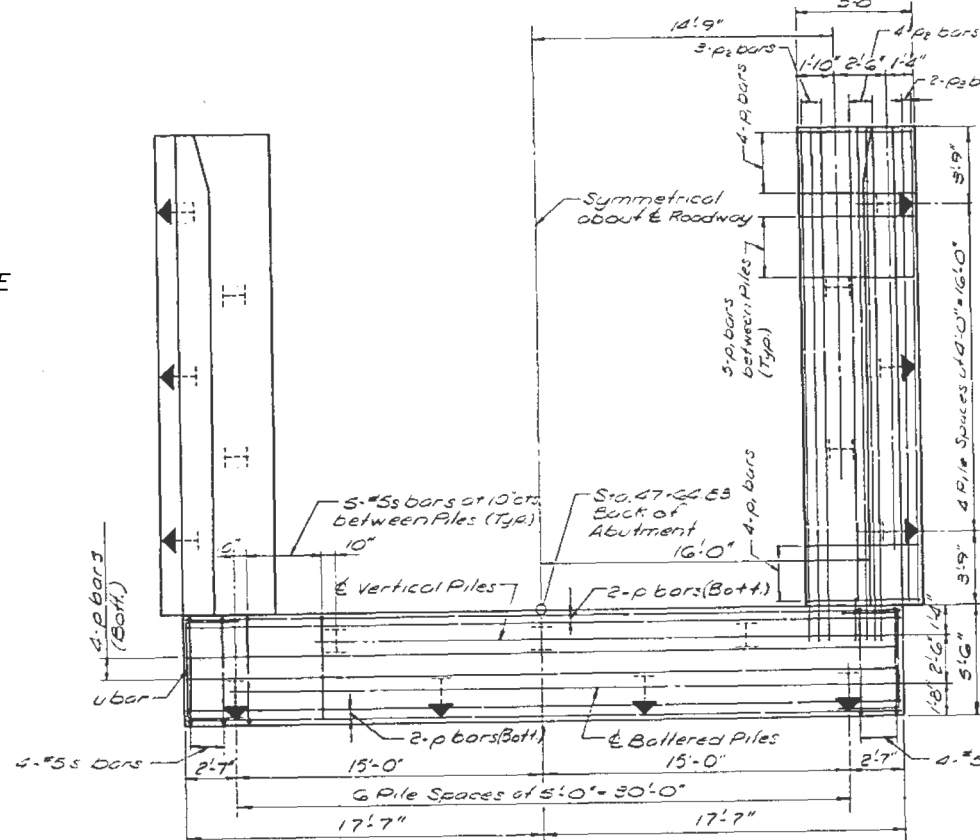
SCALE: SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63,315	D6 BRIDGE CLEANING 2020	DAMS, HANCOCK	13	4
			CONTRACT NO. 72M38	
			ILLINOIS FED. AID PROJECT	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 06 OF 75 SHEETS
S.Z.	1-2B-1-1	MARION	79	70	
F.A.		MISSOURI			
FED. ROAD DIST. NO.	7	ILLINOIS	FED. AID PROJECT BR-F-631		



*Roadway Elevations shown are for 1/4% fl. cross slope. Roadway Elevations shall be transitioned from end of wing wall to a 1/2% fl. cross slope.



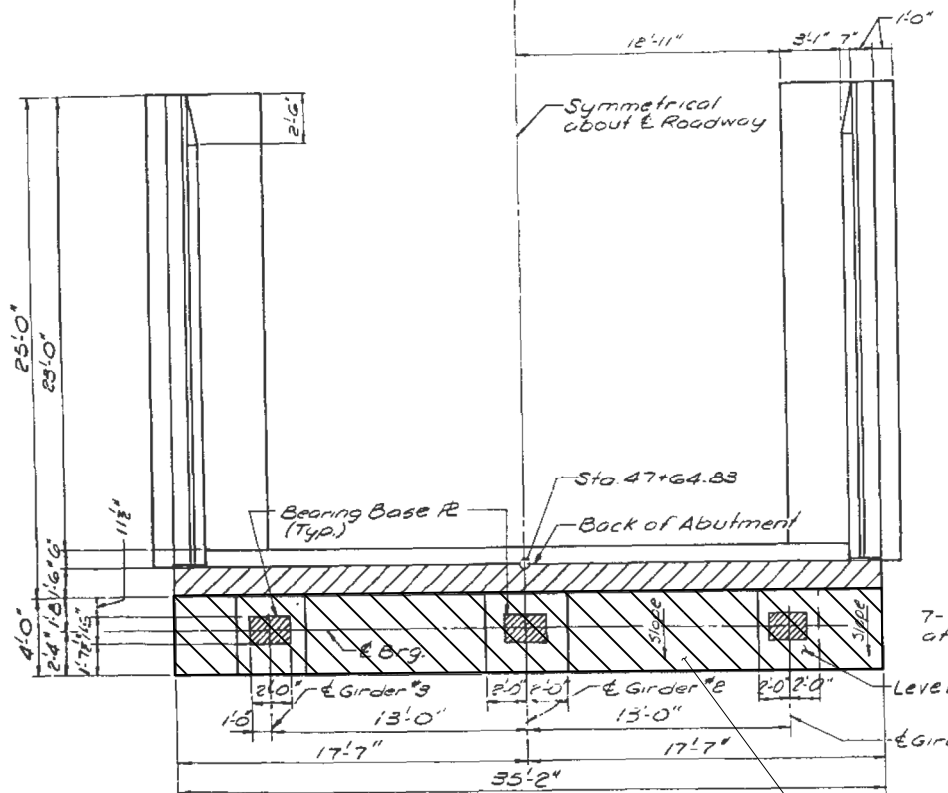
PLAN-PILE CAP

NOTES:
 ▲ Indicates 3" per foot batter.
 For Anchor Bolt Layout and Detail see Sheet 75.
 Cost of Structure Excavation to be included in Class X Concrete.
 For Neoprene Expansion Device see Sheet 57.
 For Section A-A see Sheet 67.
 Mark this sheet with sheet 67.
 Precored holes shall be drilled thru fill to natural ground for all piles.
 Test pile of W. Abutment shall be driven in a permanent location before ordering the remainder of pile of W. Abutment.
 Pour steel monolithically with cap, spacers, etc. Mark in cap to miss anchor bolts by 1".

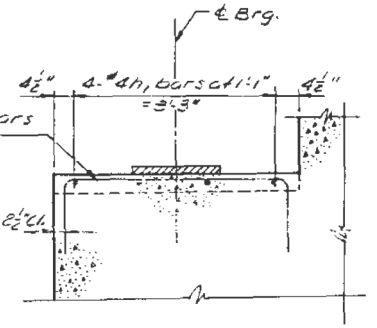
WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	12	#4	28'-2"	
h ₁	4	#4	9'-9"	
h ₂	7	#4	5'-7"	
h ₃	20	#4	34'-11"	
h ₄	20	#4	23'-3"	
h ₅	2	#5	21'-6"	
n	28	#6	8'-4"	U
p	20	#6	36'-0"	
p ₁	112	#5	5'-0"	
p ₂	30	#4	26'-0"	
p ₃	6	#4	23'-2"	
s	38	#5	18'-6"	D
u	10	#6	11'-2"	U
u ₁	36	#5	2'-4"	
v	36	#5	9'-10"	
v ₁	32	#5	4'-2"	
v ₂	31	#5	5'-4"	
v ₃	56	#5	10'-6"	
v ₄	96	#6	9'-2"	
v ₅	44	#6	4'-11"	
v ₆	52	#6	4'-10"	
v ₇	6	#6	4'-9"	

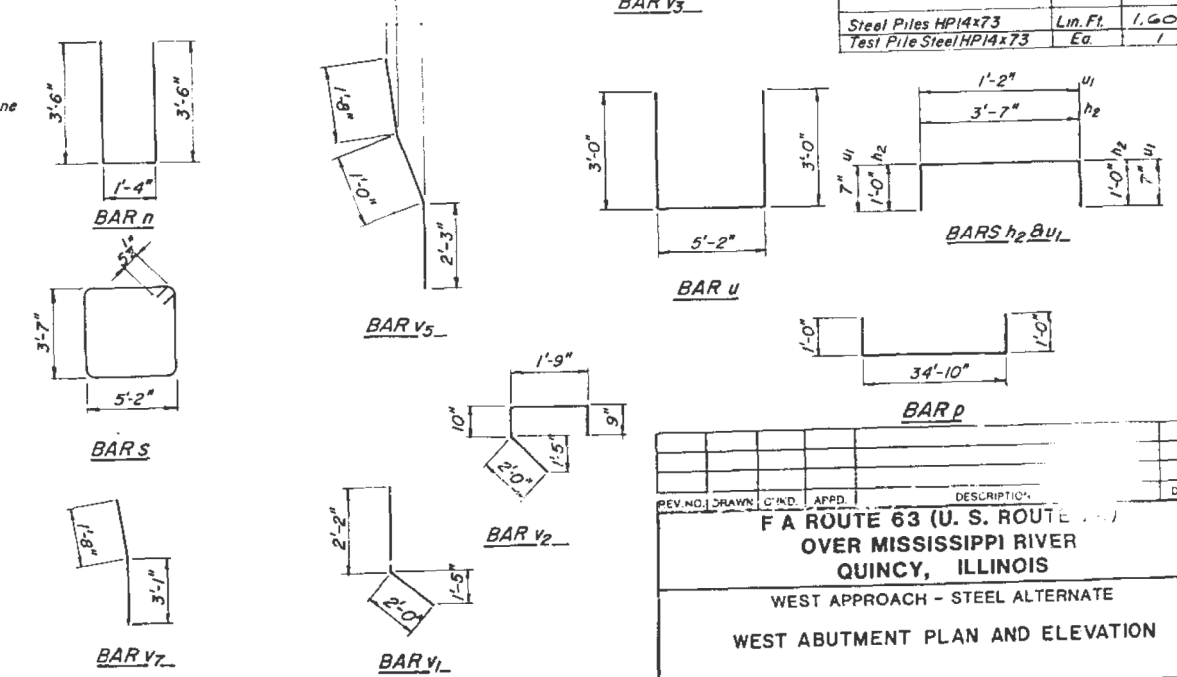
Class X Concrete	Cu. Yds.	95
Reinforcement Bars	Lbs.	6450
Steel Piles HP14x73	Lin. Ft.	1,600
Test Pile Steel HP14x73	Ea.	1



TOP VIEW



SECTION B-B



DRAWN: J.T.K.
 CHKD.: S.R.F.
 APPD.: R.A.B.
 DATE: 12-22-82
Booker
 Engineers Architects Planners
 1130 Olive Street, St. Louis, Missouri 63101

CONCRETE SEALER AREAS

ITEM	UNIT	QUANTITY
Concrete Sealer	Sq. Ft.	540

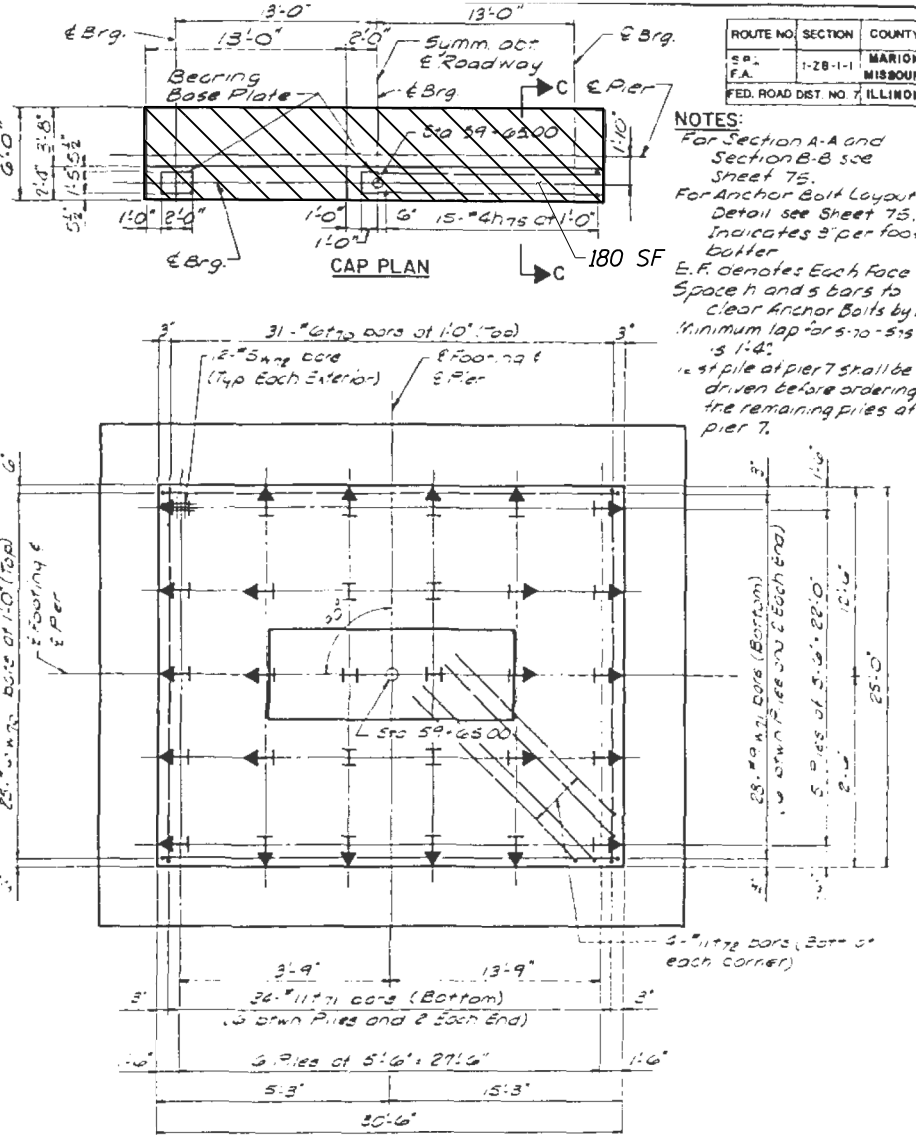
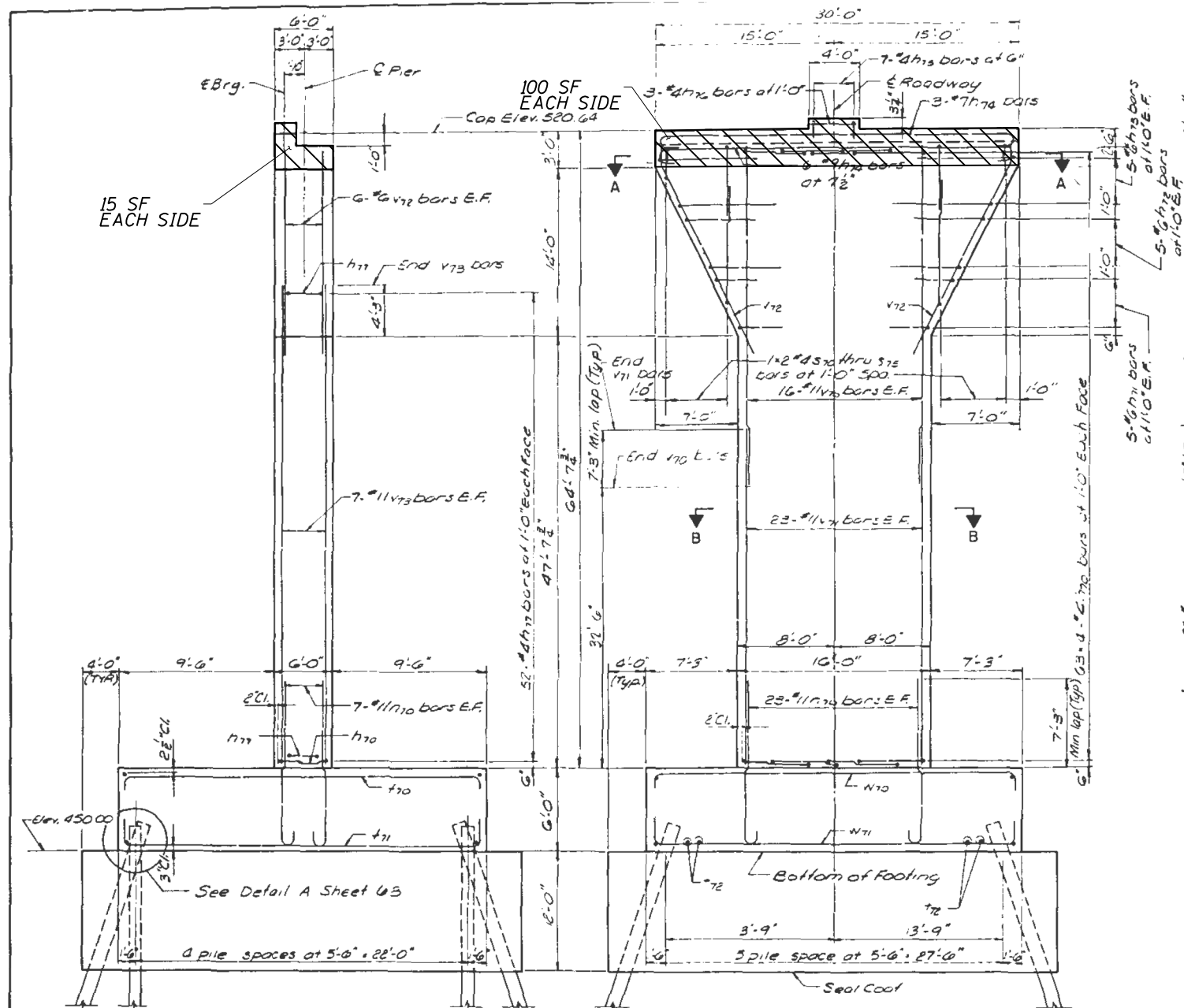
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT SEALING PLAN
 SN 001-0068

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63,315	D6 BRIDGE CLEANING 2020	DAMAS, HANCOCK	13	5
CONTRACT NO. 72M38				

USER NAME = dudleybm	DESIGNED -	REVISD -
DESIGNED -	DRAWN -	REVISD -
DRAWN -	CHECKED -	REVISD -
CHECKED -	DATE -	REVISD -

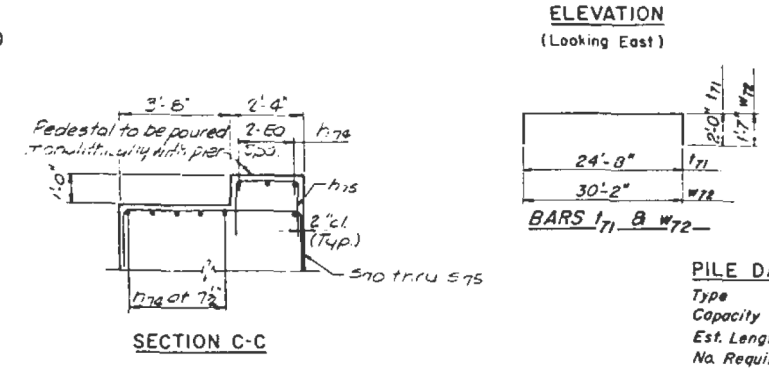
SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.



NOTES:
 For Section A-A and Section B-B see Sheet 75.
 For Anchor Bolt Layout and Detail see Sheet 75.
 Indicates 3' per foot batter.
 E.F. denotes Each Face Space h and s bars to clear Anchor Bolts by 1".
 Minimum lap bars to 5's is 1'-4".
 10' staple at pier 7 shall be driven before ordering the remaining piles at pier 7.

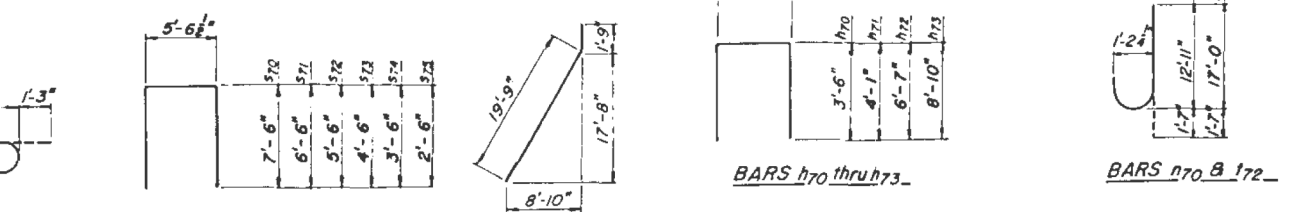
SUBSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h70	504	#2	12'-2"	U
h71	10	#6	18'-10"	U
h72	10	#6	18'-10"	U
h73	10	#6	23'-4"	U
h74	9	#9	38'-0"	U
h75	27	#2	4'-0"	U
h76	3	#2	3'-9"	U
h77	104	#2	12'-0"	U
h70	60	#11	2'-6"	U
s70	4	#2	20'-7"	U
s71	2	#2	18'-7"	U
s72	4	#2	16'-7"	U
s73	4	#2	14'-7"	U
s74	2	#2	12'-7"	U
s75	4	#2	10'-7"	U
h70	31	#6	26'-8"	U
h71	36	#11	18'-8"	U
h72	16	#11	18'-7"	U
v70	32	#11	31'-3"	U
v71	46	#11	37'-9"	U
v72	12	#6	21'-6"	U
v73	14	#11	52'-0"	U
w70	25	#2	32'-2"	U
w71	23	#2	33'-4"	U
w72	26	#5	2'-8"	U
Class X Concrete		Cu Yds.	414	
Reinforcement Bars		Lbs.	44070	
Cofferdam Excavation		Cu Yds.	1073	
Seal Coat Concrete		Cu Yds.	565	
Steel Piles HP14x73		Lin Ft.	505	
Test Pile Steel HP14x73		Eq	1	



PILE DATA

Type	HP14 x 73
Capacity	193 Kips
Est. Length	45 Ft.
No. Required	30 (Includes one Test Pile)



PIER 7 BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Sealer	Sq. Ft.	410

REV. NO.	DRAWN	CHKD.	APPR.	DESCRIPTION	DATE
F.A. ROUTE 63 (U.S. ROUTE 63) OVER MISSISSIPPI RIVER QUINCY, ILLINOIS					
WEST APPROACH - STEEL ALTERNATE					
PIER 7					

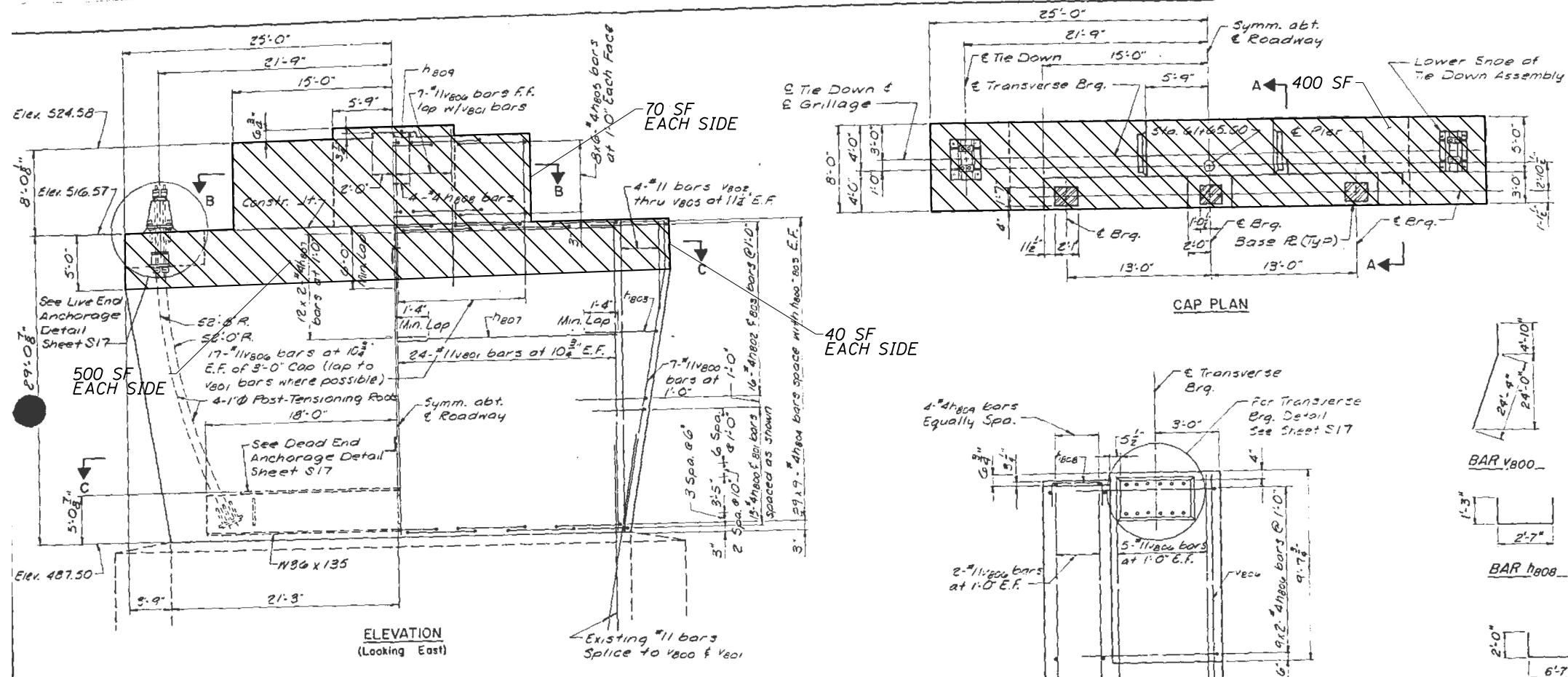
DRAWN J.T.K.
 CHKD. S.R.F.
 APPD. R.A.B.
 DATE 12-22-82

Booker
 Engineers Architects Planners
 1120 Olive Street, St. Louis, Missouri 63101



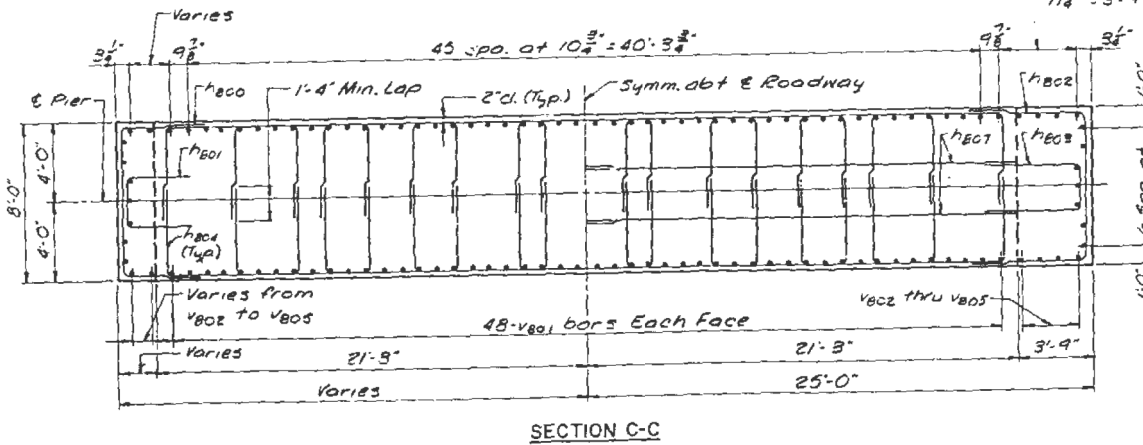
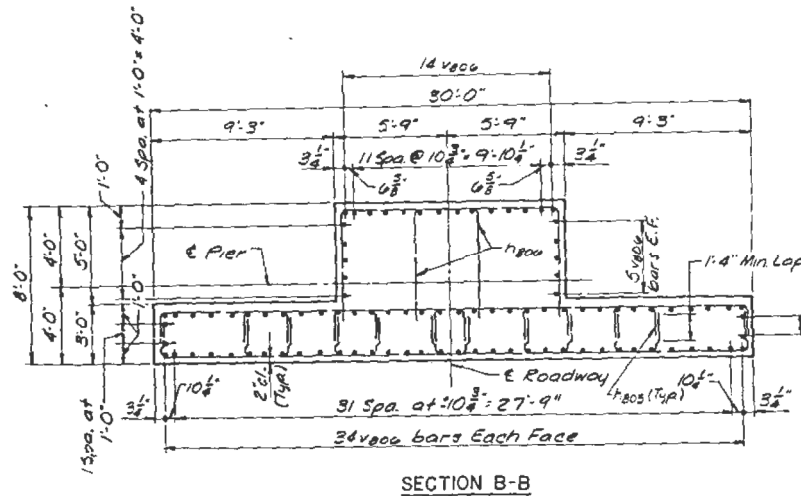
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. S15
S.B.L. F.A. 63	1-2B-1-212	ADAMS	330	267	SHEETS 125
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BR-F-631			



SUBSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
#800	26	#4	14'-0"	
#801	32	#4	8'-9"	
#802	32	#4	17'-10"	
#803	32	#4	12'-5"	
#804	532	#4	15'-0"	
#805	96	#4	10'-9"	
#806	18	#4	17'-8"	
#807	48	#4	21'-9"	
#808	7	#4	5'-7"	
#809	4	#4	3'-8"	
#800	14	#11	29'-2"	
#801	96	#11	28'-11"	
#802	4	#11	23'-5"	
#803	4	#11	17'-7"	
#804	4	#11	11'-7"	
#805	4	#11	5'-7"	
#806	96	#11	4'-5"	
Class 5000 Concrete Cu. Yds.				44.9
Reinforcement Bars				Lbs. 33580



NOTES:
 For Anchor bolt Layout and Detail see Sheet S17.
 E.F. denotes Each Face.
 F.F. denotes Far Face.
 Space reinforcing to clear anchor bolts by 1".
 Post-tensioning Rod Stresses:
 f_s' = 150,000 psi
 f_s' = 105,000 psi (Jacking before release)
 f_s' = 81,000 psi (Average final)
 P = 664 kips (Furnished effective prestressing force for 8 rods.)
 Bars indicated thus: 9x2 etc. indicates 9 lines of bars with 2 lengths per line.
 For additional concrete and reinforcement in Piers 7 & 12 see Sheet S8.

REV NO.	DRAWN	CHKD	APPR	DESCRIPTION
				F A ROUTE 63 (U. S. ROUTE 24) OVER MISSISSIPPI RIVER QUINCY, ILLINOIS MAIN SPANS-STEEL ALTERNATE
				PIER 8 DETAILS

DRAWN W.L.S.
 CHKD S.R.F.
 APPD R.A.B.
 DATE MAY 1985

Booker
 Engineers Architects Planners
 1128 Olive Street St. Louis, Missouri 63101



PIER 8 BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Sealer	Sq. Ft.	1620

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PLOT DATE = 10/6/2020	CHECKED -	REVISED -
	DATE -	REVISED -

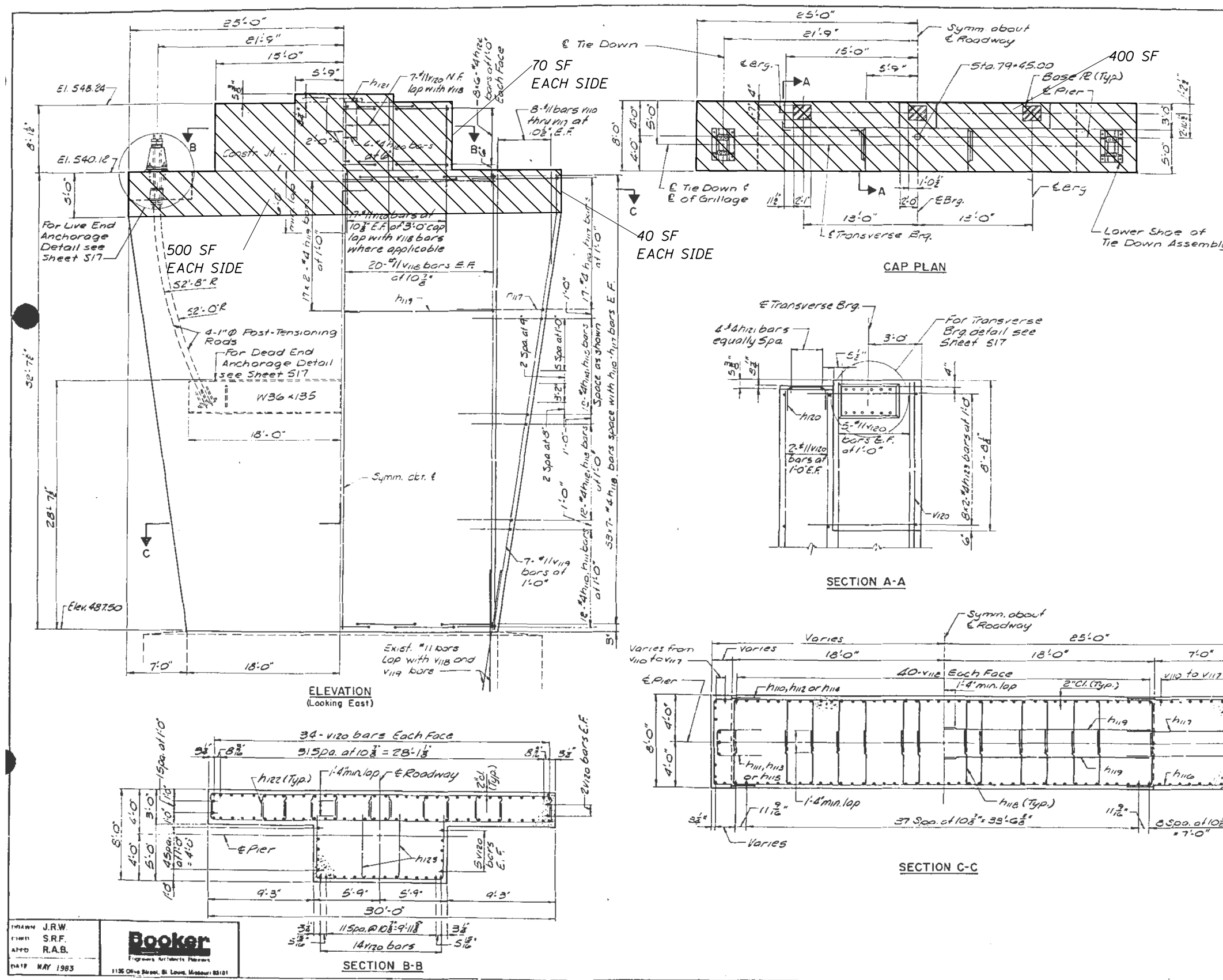
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER 8 SEALING PLAN
 SN 001-0068

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63,315	D6 BRIDGE CLEANING 2020	ADAMS, HANCOCK	13	7
				CONTRACT NO. 72M38
				ILLINOIS FED. AID PROJECT

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. S16
S.B.I. F.A. 63	2B-1-22	ADAMS	53	210	SHEETS 125
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BR-F-63			



NOTES:
 For Anchor bolt Layout and details see Sheet S17.
 E.F. denotes Each Face
 N.F. denotes Near Face
 For Additional Notes see Sheet S15.
 Bars indicated thus: 9x8 etc. indicates 9 lines of bars with 8 lengths per line.

SUBSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h110	24	#4	13'-8"	□
h111	24	#4	8'-3"	□
h112	24	#4	17'-2"	□
h113	24	#4	11'-4"	□
h114	24	#4	20'-8"	□
h115	24	#4	5'-8"	□
h116	34	#4	24'-4"	□
h117	34	#4	15'-11"	□
h118	742	#4	15'-8"	□
h119	68	#4	8'-6"	□
h120	7	#4	5'-1"	□
h121	4	#4	3'-8"	□
h122	26	#4	10'-7"	□
h123	16	#4	17'-8"	□
v110	2	#11	47'-3"	—
v111	2	#11	47'-3"	—
v112	2	#11	35'-3"	—
v113	2	#11	27'-3"	—
v114	2	#11	23'-3"	—
v115	4	#11	17'-3"	—
v116	4	#11	11'-3"	—
v117	4	#11	5'-3"	—
v118	80	#11	52'-5"	—
v119	14	#11	52'-11"	—
v120	96	#11	14'-5"	—
Class 5000 Concrete				Cu. Yds. 726
Reinforcement Bars				Lbs. 49910

DRAWN J.R.W.
 CHECKED S.R.F.
 APP'D R.A.B.
 DATE MAY 1983

Booker
 Engineers, Architects, Planners
 1135 Olive Street, St. Louis, Missouri 63101

PIER II BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Sealer	Sq. Ft.	1620

REV NO.	DRAWN	CHK'D	APP'D	DESCRIPTION
				F A ROUTE 63 (U. S. ROUTE 24) OVER MISSISSIPPI RIVER QUINCY, ILLINOIS
				MAIN SPANS STEEL ALTERNATE
				PIER II DETAILS

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PLOT DATE = 10/6/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER II SEALING PLAN
SN 001-0068

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

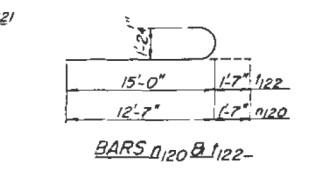
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63,315	D6 BRIDGE CLEANING 2020	DAMS,HANCOCK	13	8
				CONTRACT NO. 72M38
		ILLINOIS	FED. AID PROJECT	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 76 SHEETS
S.B.I.	1-2B-1-3	ADAMS	59	135	
F.A.		ILLINOIS	FED. AID PROJECT BR-F-634		
FED. ROAD DIST. NO. 7					

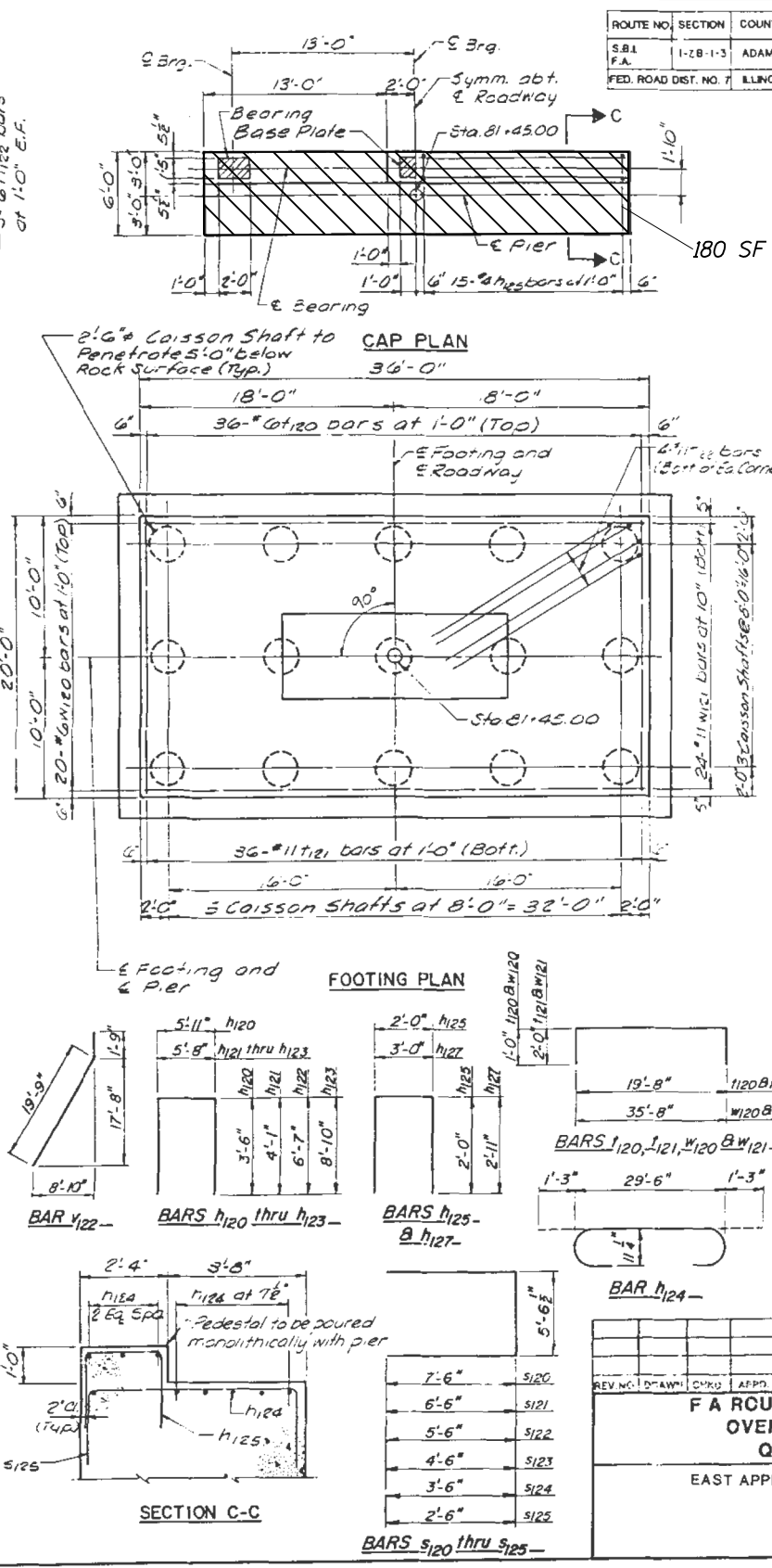
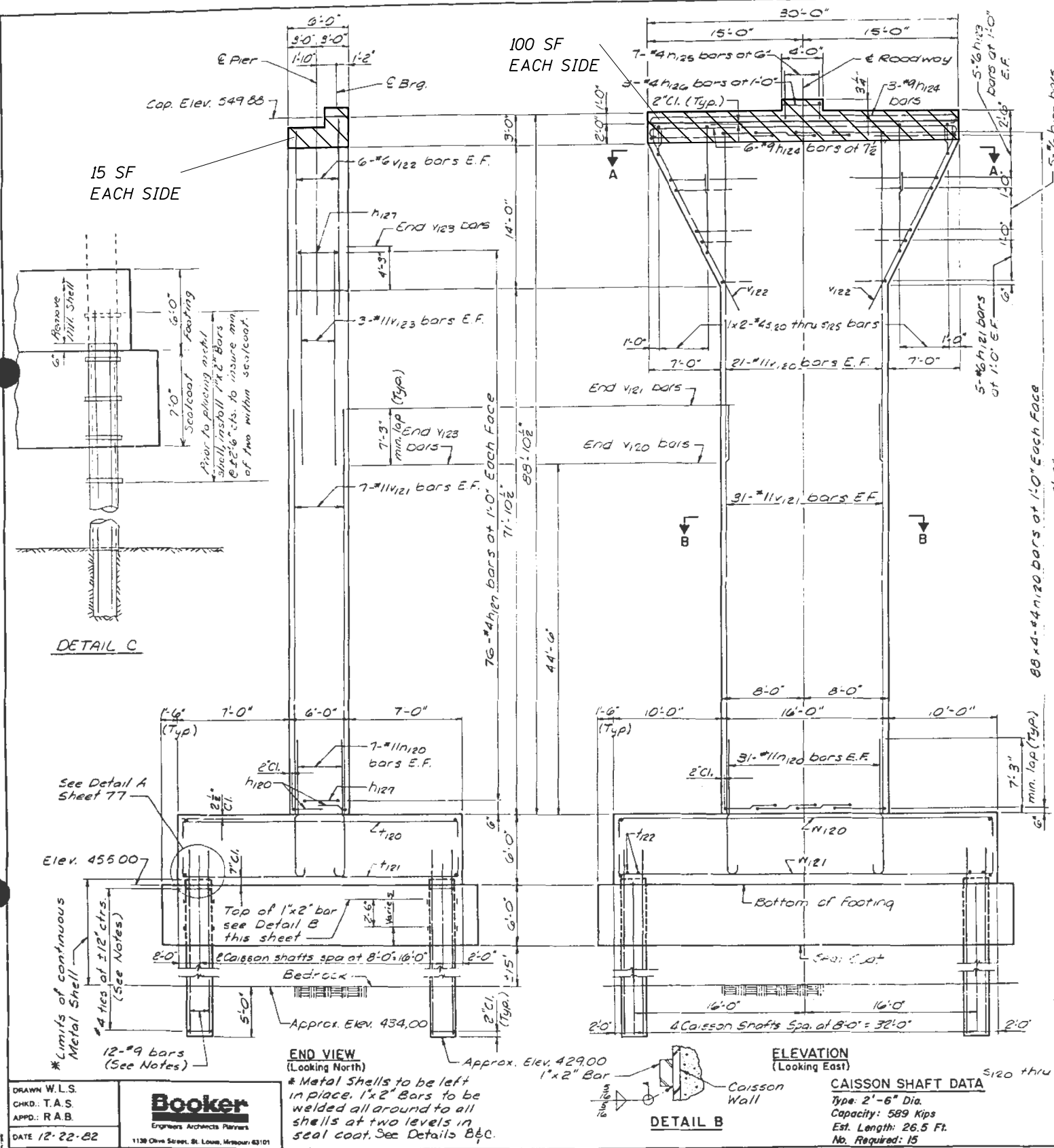
**SUBSTRUCTURE
BILL OF MATERIALS**

Bar	No.	Size	Length	Shape
h120	704	#4	12'-1"	U
h121	10	#6	13'-10"	U
h122	10	#6	13'-10"	U
h123	10	#6	23'-4"	U
h124	9	#9	32'-0"	U
h125	37	#4	6'-0"	U
h126	3	#4	3'-9"	U
h127	152	#4	8'-10"	U
h128	3	#4	29'-8"	U
h120	70	#11	14'-2"	U
s120	4	#4	20'-7"	U
s121	4	#6	15'-7"	U
s122	4	#4	16'-7"	U
s123	4	#4	14'-7"	U
s124	4	#4	12'-7"	U
s125	4	#4	10'-7"	U
h120	30	#6	21'-8"	U
h121	30	#11	23'-8"	U
h122	16	#11	16'-7"	U
h120	42	#11	43'-2"	U
h121	70	#11	51'-4"	U
h122	12	#6	21'-6"	U
h123	6	#11	31'-8"	U
w120	20	#6	37'-8"	U
w121	24	#11	39'-8"	U
Class X Concrete	Cu. Yds.	502		
Reinforcement Bars	Lbs.	60,270		
Cofferdam Excavation	Cu. Yds.	256		
Seal Coat Concrete	Cu. Yds.	183		
Caisson Shaft	Cu. Ft.	1951		

NOTES:
For notes see Sheet 75.



REV. NO.	DATE	BY	CHKD.	APPD.	DESCRIPTION	DATE
					F A ROUTE 63 (U. S. ROUTE 2- OVER MISSISSIPPI RIVER QUINCY, ILLINOIS EAST APPROACH - STEEL ALTERNATE PIER 12	



CONCRETE SEALER AREAS

PIER 12 BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Sealer	Sq. Ft.	410

DRAWN W.L.S.
CHKD. T.A.S.
APPD. R.A.B.
DATE 12-22-82

Booker
Engineers Architects Planners
1130 Olive Street, St. Louis, Missouri 63101

END VIEW (Looking North)
* Metal Shells to be left in place, 1"x2" Bars to be welded all around to all shells at two levels in seal coat. See Details B & C.

ELEVATION (Looking East)
CAISSON SHAFT DATA
Type: 2'-6" Dia.
Capacity: 589 Kips
Est. Length: 26.5 Ft.
No. Required: 15

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PLOT DATE = 10/6/2020	DATE -	REVISED -

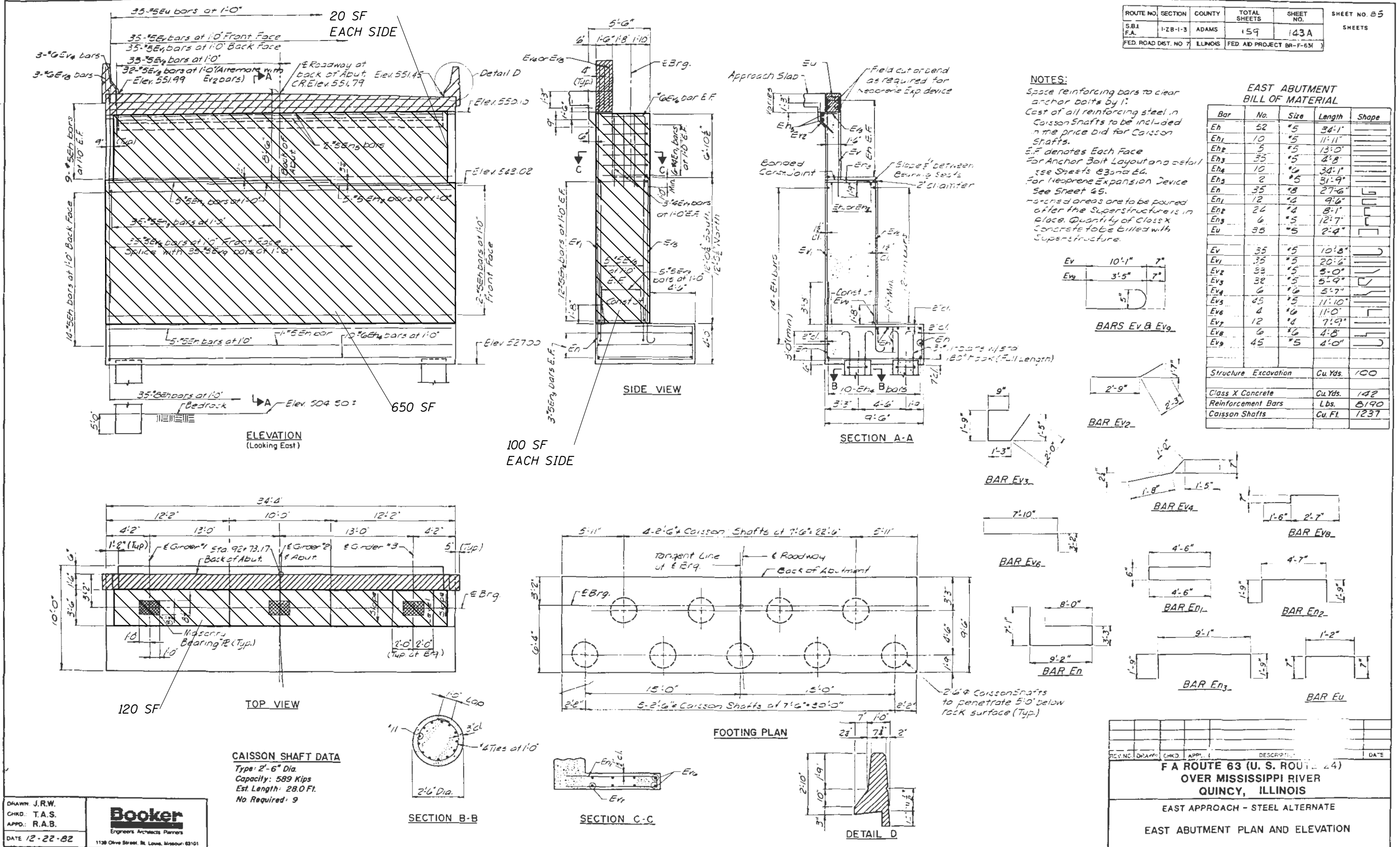
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 12 SEALING PLAN
SN 001-0068

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63,315	D6 BRIDGE CLEANING 2020	ADAMS, HANCOCK	13	9
CONTRACT NO. 72M38				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 85 SHEETS
5.B.I. F.A.	1-2B-1-3	ADAMS	159	143A	
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BR-F-631		



NOTES:
 Space reinforcing bars to clear anchor bolts by 1".
 Cast all reinforcing steel in Coisson Shafts to be included in the price bid for Coisson Shafts.
 E.F. denotes Each Face.
 For Anchor Bolt Layout and detail see Sheets B3 and E4.
 For Neoprene Expansion Device See Sheet 65.
 Hatched areas are to be poured after the Superstructure is in place. Quantity of Class X Concrete to be billed with Superstructure.

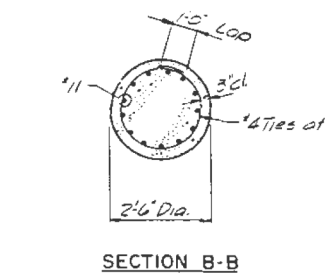
EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
Eh	52	#5	34'1"	
Eh1	10	#5	11'11"	
Eh2	5	#5	13'0"	
Eh3	35	#5	4'8"	
Eh4	10	#5	34'1"	
Eh5	2	#5	31'9"	
En	35	#8	27'6"	
En1	12	#8	9'6"	
En2	24	#8	8'1"	
En3	6	#5	12'7"	
Eu	35	#5	2'4"	
Ev	35	#5	10'8"	
Ev1	35	#5	20'6"	
Ev2	33	#5	5'0"	
Ev3	32	#5	5'9"	
Ev4	6	#6	3'7"	
Ev5	45	#5	11'10"	
Ev6	4	#6	11'0"	
Ev7	12	#6	7'9"	
Ev8	6	#6	4'8"	
Ev9	45	#5	4'0"	
Structure Excavation		Cu. Yds.	100	
Class X Concrete		Cu. Yds.	142	
Reinforcement Bars		Lbs.	8190	
Coisson Shafts		Cu. Ft.	1237	

DRAWN: J.R.W.
 CHKD: T.A.S.
 APPD: R.A.B.
 DATE: 12-22-82
Booker
 Engineers Architects Planners
 1138 Olive Street, St. Louis, Missouri 63101
 Revised 1-21-89 1PW

CAISSON SHAFT DATA

Type:	2'-6" Dia.
Capacity:	589 Kips
Est. Length:	28.0 Ft.
No Required:	9



EAST ABUTMENT BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Sealer	Sq. Ft.	1010

F.A. ROUTE 63 (U.S. ROUTE 24)
 OVER MISSISSIPPI RIVER
 QUINCY, ILLINOIS
 EAST APPROACH - STEEL ALTERNATE
 EAST ABUTMENT PLAN AND ELEVATION

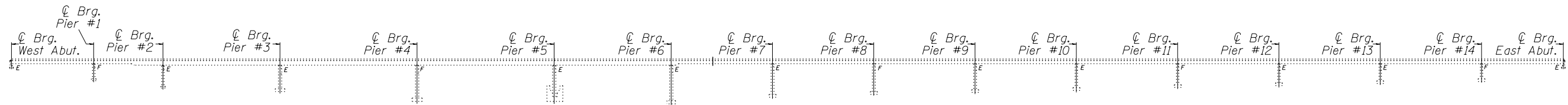
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PLOT DATE = 10/6/2020	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

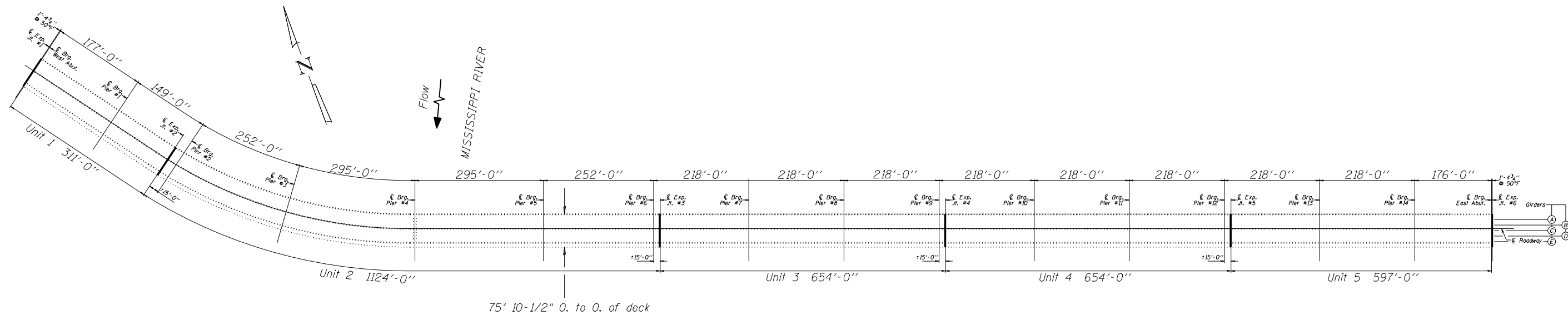
EAST ABUTMENT SEALING PLAN
 SN 001-0068
 SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 63,315	SECTION D6 BRIDGE CLEANING 2020	COUNTY ADAMS,HANCOCK	TOTAL SHEETS 13	SHEET NO. 10
CONTRACT NO. 72M38				
ILLINOIS FED. AID PROJECT				

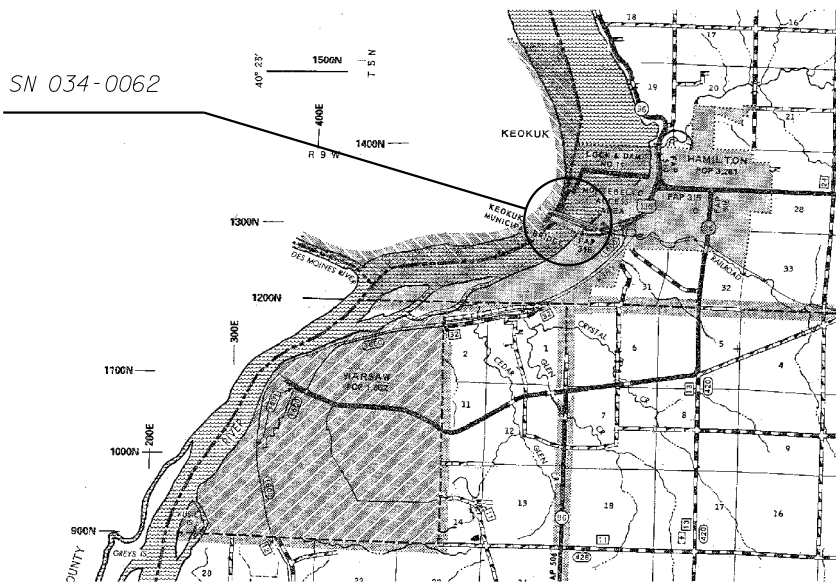
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SN 034-0062 ELEVATION



SN 034-0062 PLAN



LOCATION MAP

SN 034-0062 BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Bridge Washing No. 2	Each	1
Concrete Sealer	Sq. Ft.	2550

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	DRAWN - BRANDON DUDLEY	REVISED - _____
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PLOT DATE = 11/10/2020	DATE - 7/29/2020	REVISED - _____

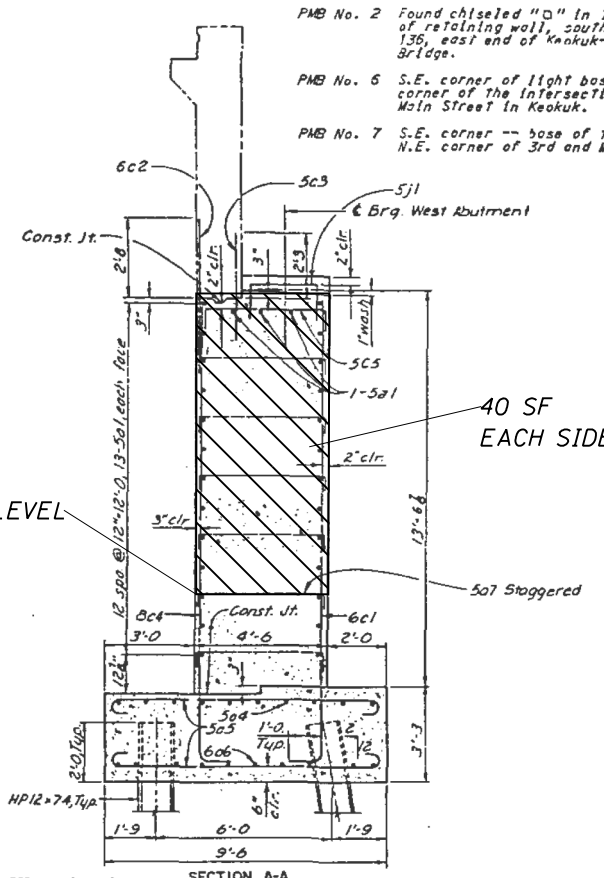
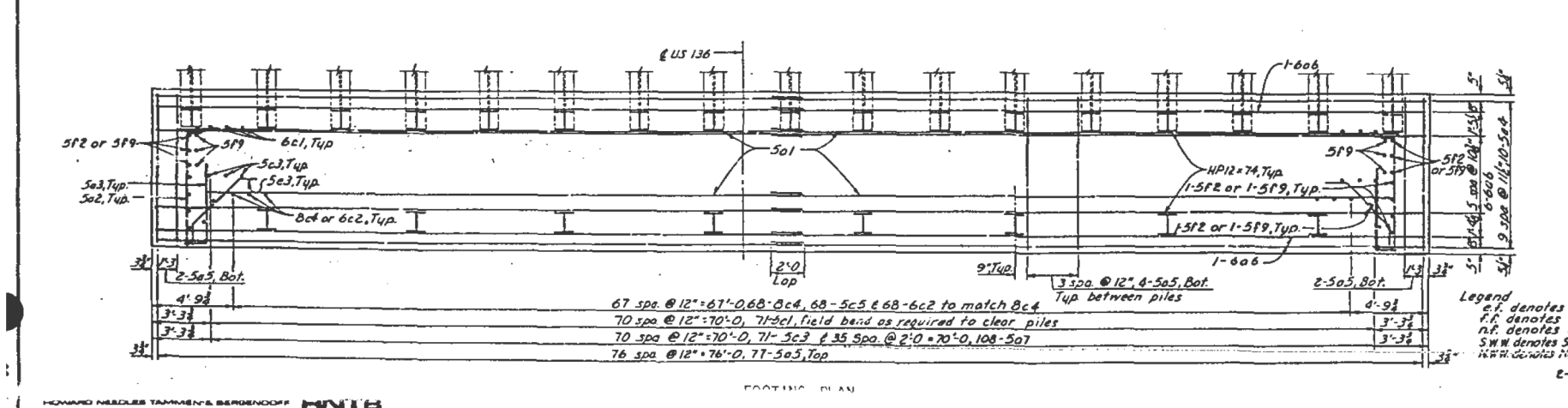
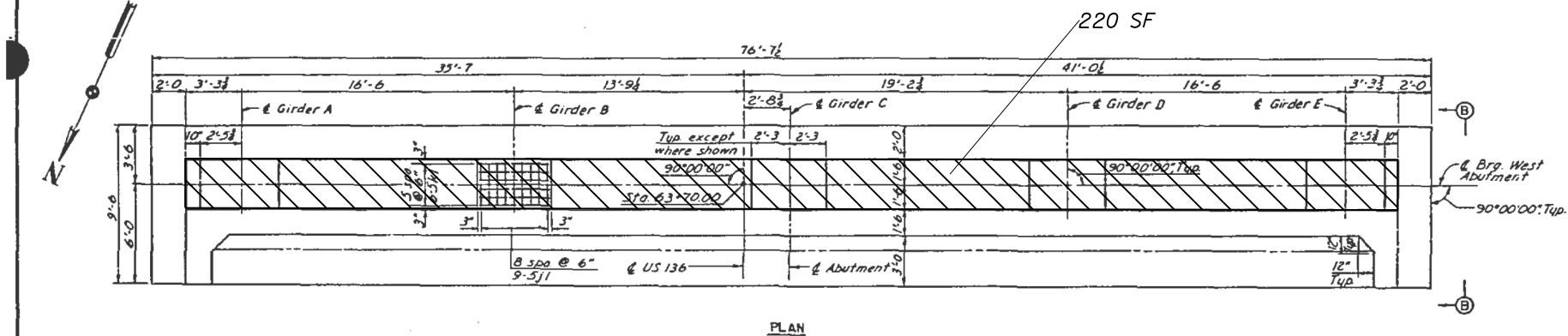
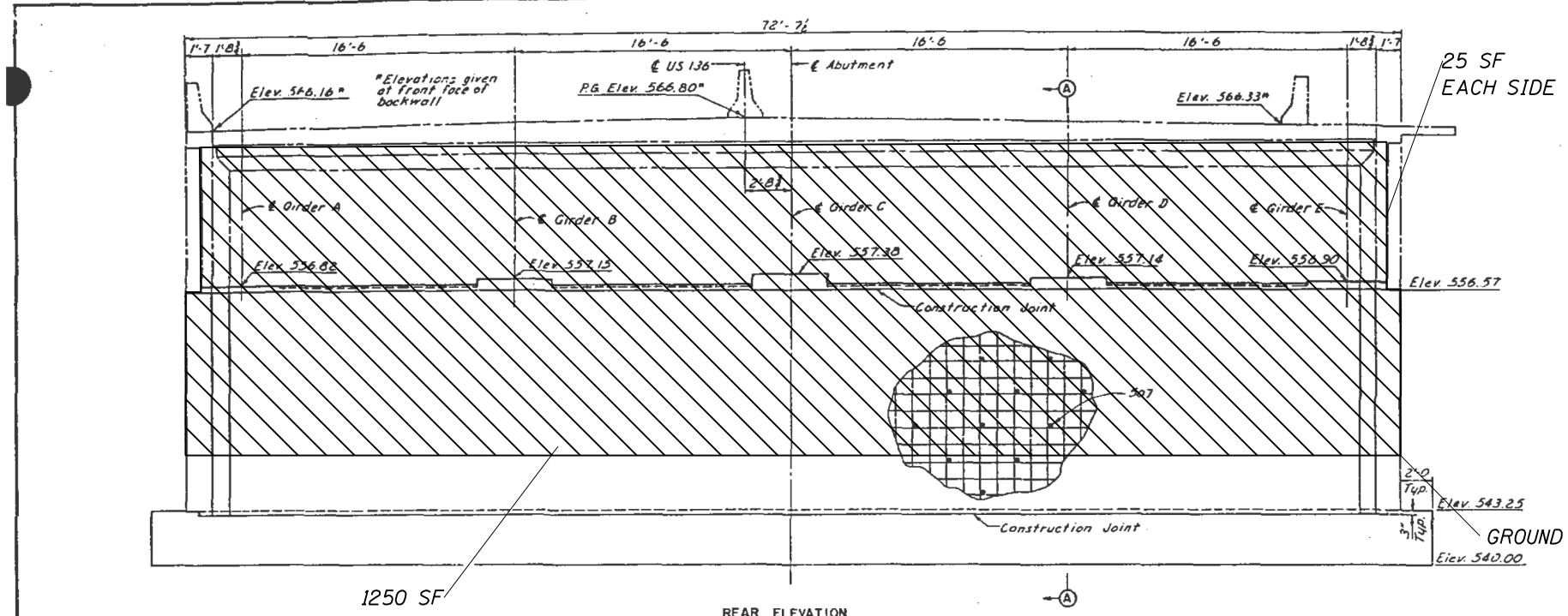
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN & ELEVATION
SN 034-0062

SCALE: _____ SHEET 1 OF 3 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63,315	D6 BRIDGE CLEANING 2020	DAMS,HANCOCK	13	11
				CONTRACT NO. 72M38
ILLINOIS FED. AID PROJECT				

FEDERAL DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	ILLINOIS				



- BENCH MARKS**
- PMB No. 2 Found chiseled "D" in T/Conc. @ east end of retaining wall, south side of Highway 135, east end of Keokuk-Hamilton River Bridge. Elev. 505.06
 - PMB No. 6 S.E. corner of light base on the N.W. corner of the intersection of Water and Main Street in Keokuk. Elev. 509.32
 - PMB No. 7 S.E. corner -- base of traffic light -- N.E. corner of 3rd and Main in Keokuk. Elev. 579.17

MISSISSIPPI RIVER BRIDGE
KEOKUK, IOWA - HAMILTON, ILLINOIS

STEEL ALTERNATE
DESIGN FOR 0° SKEW
3340' x 64' CONTINUOUS WELDED
PLATE GIRDER BRIDGE

WEST ABUTMENT

STA. 80+42.85
RIVER MILE 282.5
LEE COUNTY, IOWA

PROJECT NO. BRP-19-17J-20-05
HANCOCK COUNTY, ILLINOIS

HOWARD NEEDLES TAMMEN & BERENDSON
HN15
MADE JMH DATE 7-02 CHECKED LCY DATE 8-02



WEST ABUTMENT BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Sealer	Sq. Ft.	1600

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	DRAWN -	REVISED -
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PLOT DATE = 10/6/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

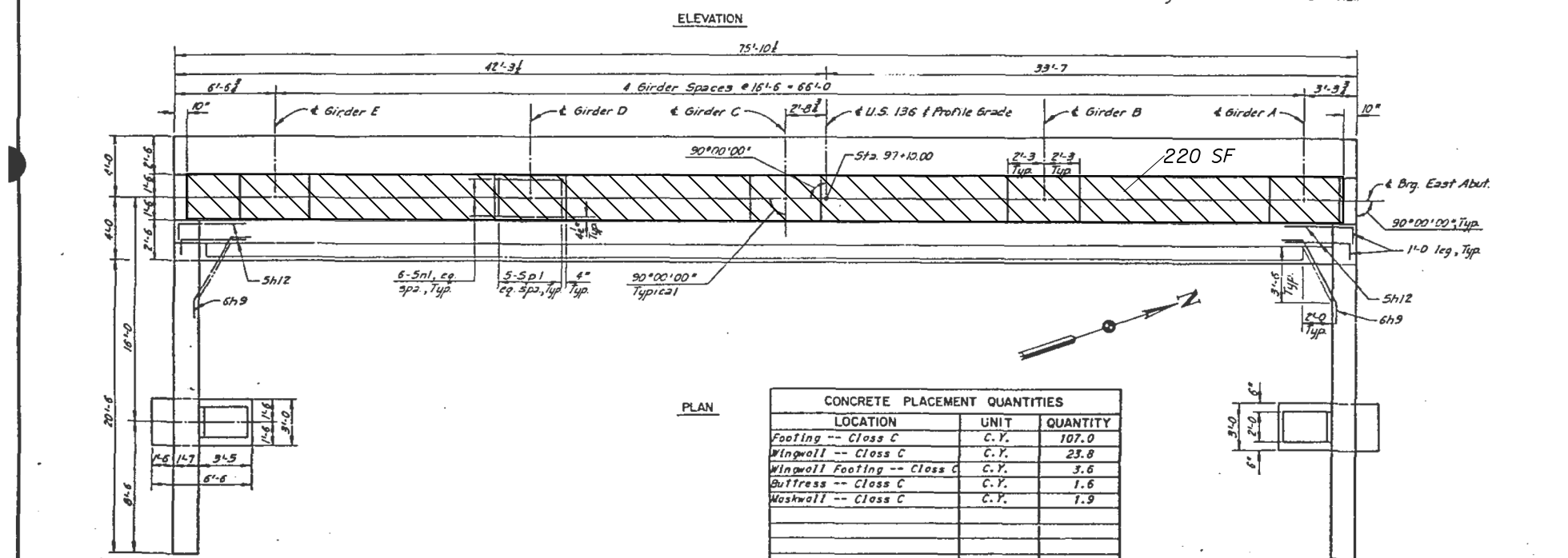
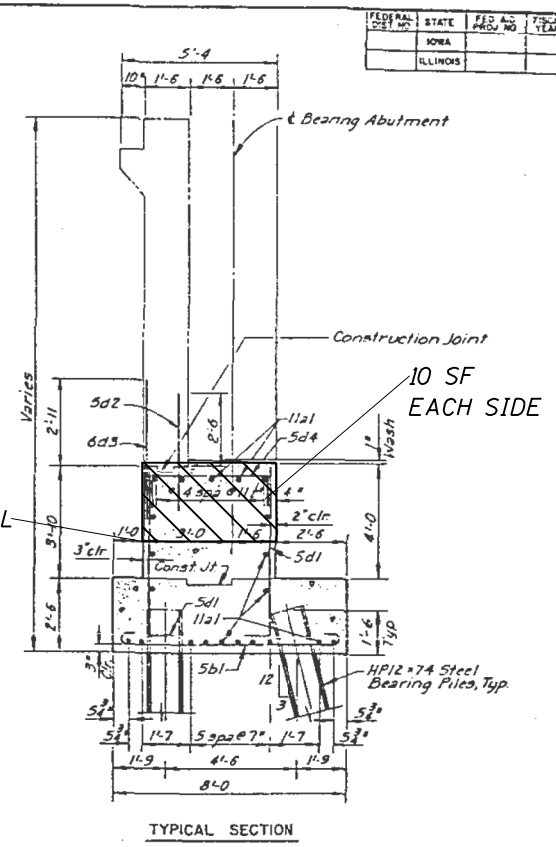
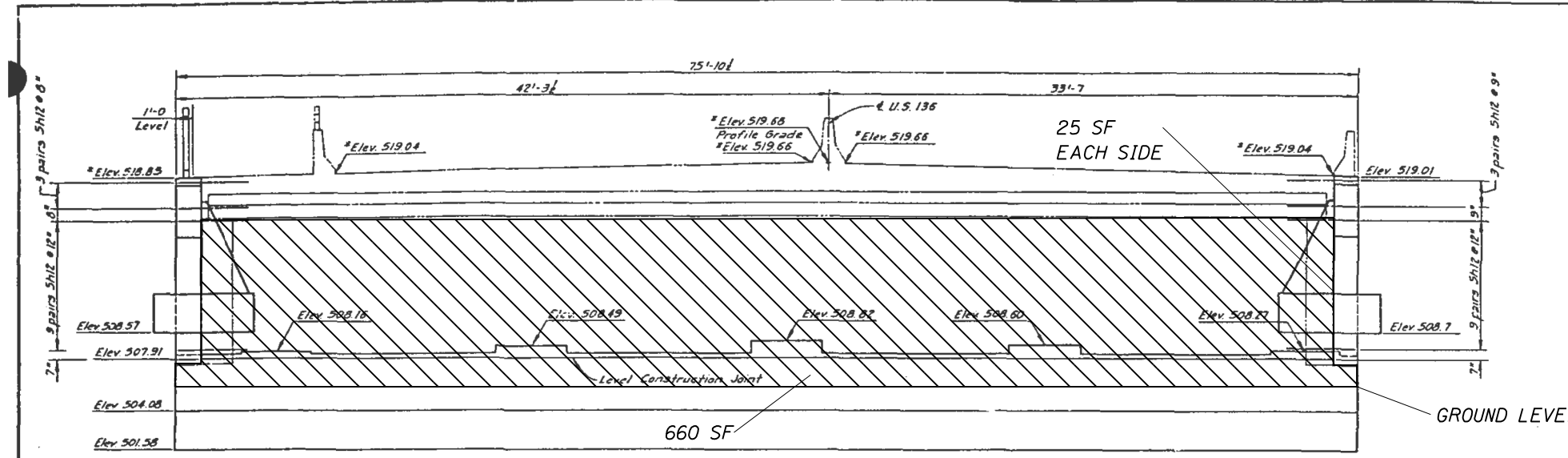
WEST ABUTMENT SEALING PLAN
SN 034-0062

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63,315	D6 BRIDGE CLEANING 2020	DAMS, HANCOCK	13	12
CONTRACT NO. 72M38			ILLINOIS FED. AID PROJECT	

DESIGN SHEET 34 OF 227
DESIGN NO. 282 LEE COUNTY FILE 8723 SHEET 37 OF 227

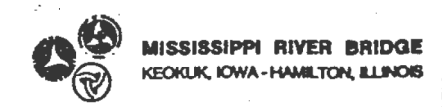
FEDERAL DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	HWY. NO.	TOTAL SHEETS
	ILLINOIS				



LOCATION	UNIT	QUANTITY
Footing -- Class C	C.Y.	107.0
Wingwall -- Class C	C.Y.	23.8
Wingwall Footing -- Class C	C.Y.	3.6
Buttress -- Class C	C.Y.	1.6
Washwall -- Class C	C.Y.	1.9
Total	C.Y.	137.9

ITEM	UNIT	QUANTITY
Structural Concrete Class C	C.Y.	137.9
Reinforcing Steel (Non-Epoxy Coated)	Lbs.	13,833
Reinforcing Steel (Epoxy Coated)	Lbs.	2388
Excavation -- Class 20	C.Y.	270
HP 12 x 74 Steel Bearing Piling	Lin.Ft.	689
17 @ 31', 2 @ 37' and 2 @ 44' Drive	Lin.Ft.	689

* See Sheet 94 for Barrier Curb details.



BENCH MARKS

- PMB No. 2 Found chiseled "D" in T/Conc. @ east end of retaining wall, south side of Highway 136, east end of Keokuk-Hamilton River Bridge. Elev. 505.06
- PMB No. 6 S.E. corner of light base on the N.W. corner of the intersection of Water and Main Street in Keokuk. Elev. 509.32
- PMB No. 7 S.E. corner -- base of traffic light --

STEEL ALTERNATE
DESIGN FOR 6" KEW
3340' x 64' CONTINUOUS WELDED
PLATE GIRDER BRIDGE
EAST ABUTMENT

STA. 80+00 RIVER MILE 303.2 PROJECT NO. 80F-10-109-04-0

HOWARD NEEDLES TAMMEN & BERENSON **HNTB**
MADE RCC DATE 7-82 CHECKED LCY DATE 8-82



ITEM	UNIT	QUANTITY
Concrete Sealer	Sq. Ft.	950

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT SEALING PLAN
SN 034-0062

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63,315	D6 BRIDGE CLEANING 2020	DAMS, HANCOCK	13	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72M38	

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