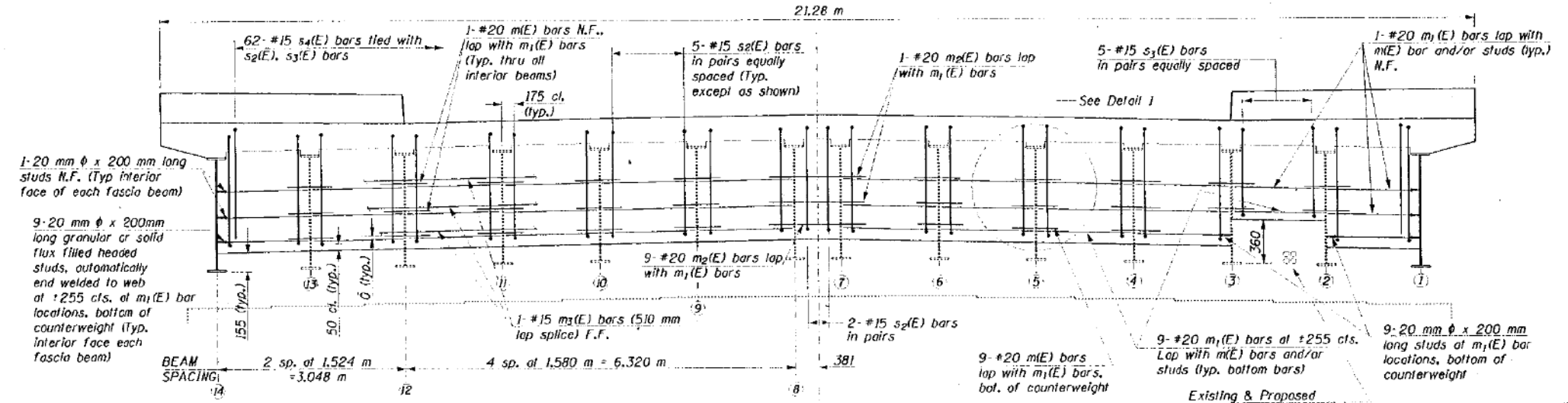


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

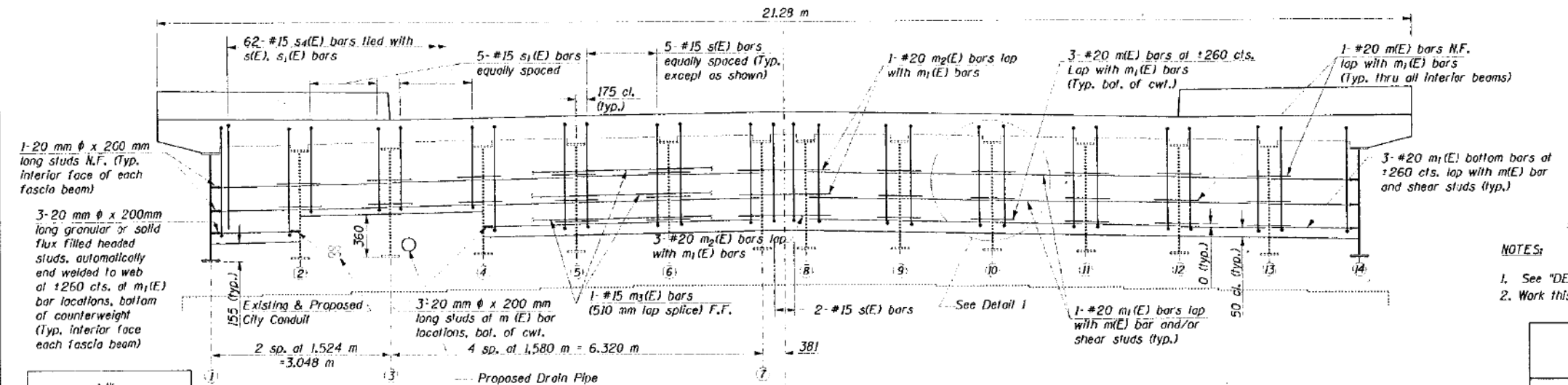
PROJECT NO.	SECTION	COUNTY	SHEET	NO.
1421		COOK	148	39
SHEET NO. S-20				
* 0101-2-3B-R				

Sym. About
Adams St. Bridge
except as shown

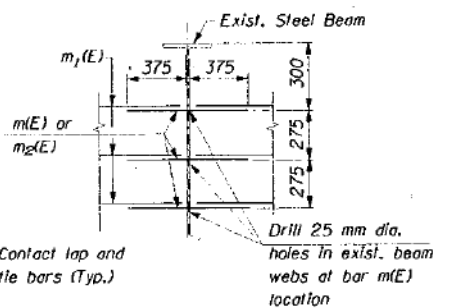


COUNTERWEIGHT ELEVATION AT WEST ABUTMENT
(Looking West)

Sym. About
Adams St. Bridge
except as shown



COUNTERWEIGHT ELEVATION AT EAST ABUTMENT
(Looking East)



DETAIL 1
(Typical)

- NOTES:
- See "DECK GENERAL NOTES" on Sheet S-15.
 - Work this sheet with sheet S-19.

ADAMS STREET BRIDGE
COUNTERWEIGHT CONCRETE
DETAILS

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

N.F. = Near Face
F.F. = Far Face

Scale: None Date: 11/13/91

DESIGNED	JJK
CHECKED	DD
DRAWN	JJK
CHECKED	DD

HNTB HNTB CORPORATION
c:\26586\cadd\bl\cadd\ad1dplb.dgn
08-JAN-1998 09:00 JJK

11/19/07 AM
D:\60X94-SHT-AS-BUILT-021.dgn



USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

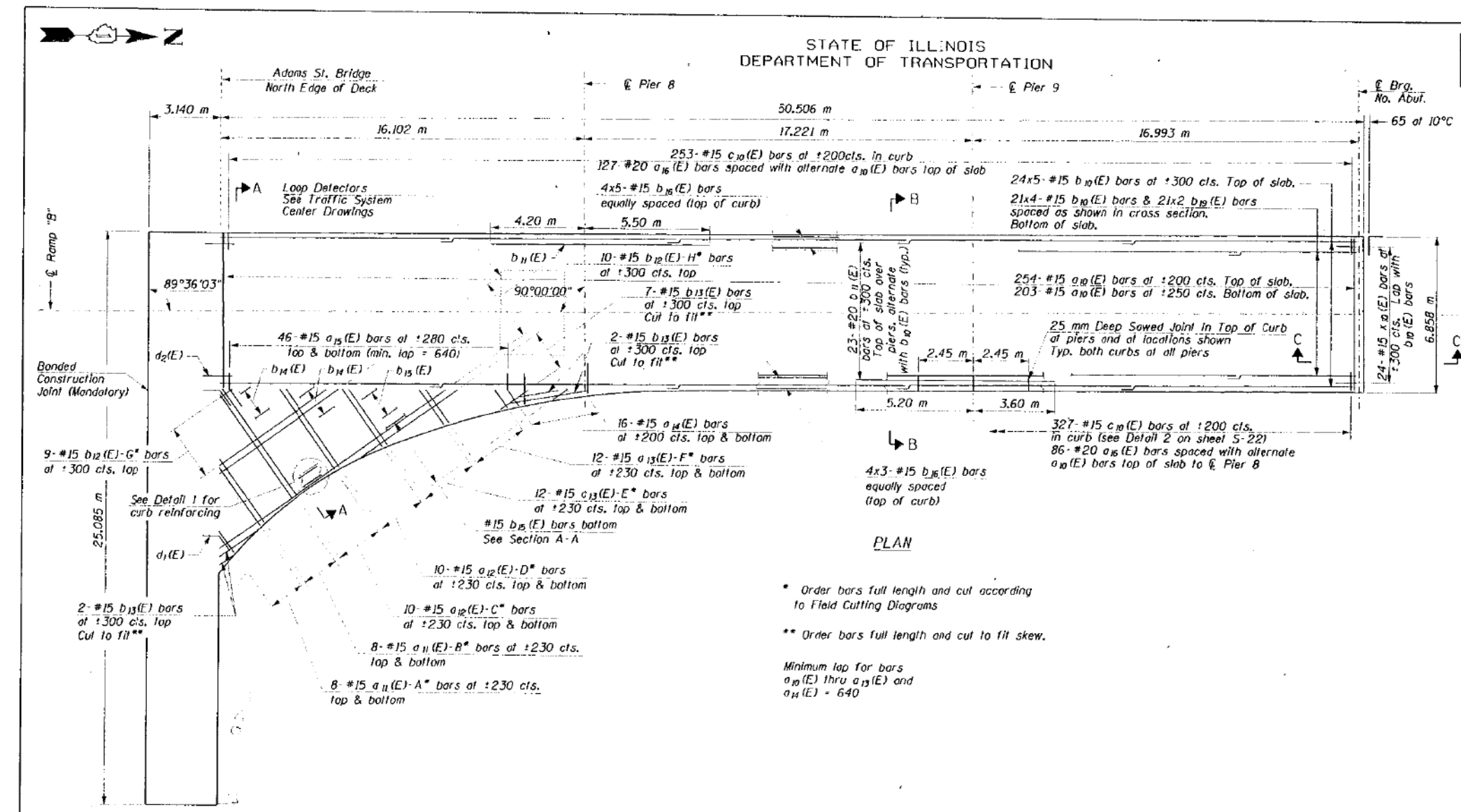
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-021 OF AB-145 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	701
				CONTRACT NO. 60X94
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



DATE	1421	CONTRACT	COOK	SECTION	148	SHEET	40
SHEET NO. S-21							

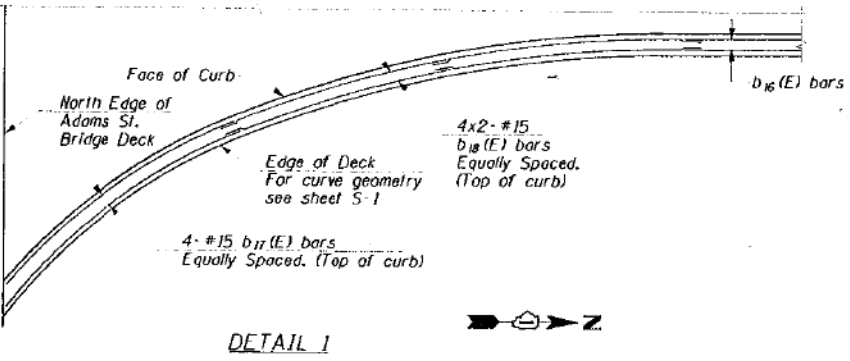
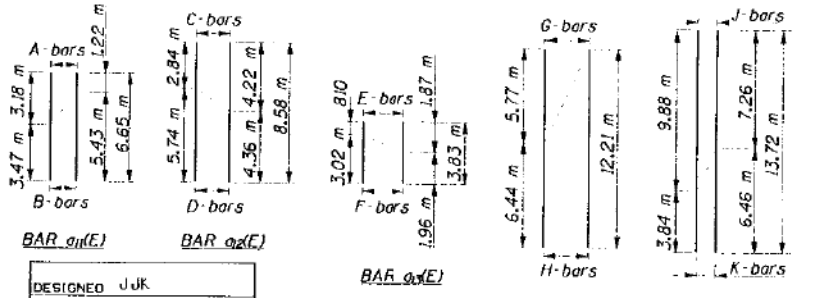
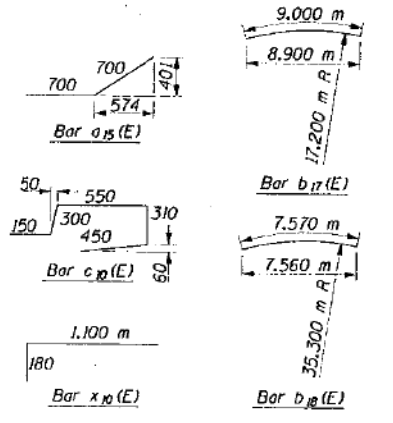
0101-2-3B-R

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a ₁₀ (E)	457	#15	6,750 m	
a ₁₁ (E)	14	#15	6,650 m	
a ₁₂ (E)	20	#15	8,580 m	
a ₁₃ (E)	24	#15	3,830 m	
a ₁₄ (E)	32	#15	1,450 m	
a ₁₅ (E)	92	#15	1,400 m	
a ₁₆ (E)	213	#20	1,200 m	
b ₁₀ (E)	204	#15	10,600 m	
b ₁₁ (E)	46	#20	8,800 m	
b ₁₂ (E)	10	#15	12,210 m	
b ₁₃ (E)	9	#15	10,670 m	
b ₁₄ (E)	4	#15	13,720 m	
b ₁₅ (E)	7	#15	15,820 m	
b ₁₆ (E)	32	#15	10,600 m	
b ₁₇ (E)	4	#15	9,000 m	
b ₁₈ (E)	18	#15	7,570 m	
b ₁₉ (E)	42	#15	5,300 m	
c ₁₀ (E)	580	#15	1,740 m	
x ₁₀ (E)	24	#15	1,280 m	

ITEM	UNIT	QUANTITY
Reinforcement Bars Epoxy Coated	kg	14040
Concrete Superstructure	m ³	96.8

- PLAN**
- Order bars full length and cut according to Field Cutting Diagrams
 - Order bars full length and cut to fit skew.
 - Minimum lap for bars a₁₀(E) thru a₁₃(E) and a₁₄(E) = 640



- NOTES:**
- See "DECK GENERAL NOTES" on sheet S-15
 - For beam spacing and location, see sheet S-24.
 - For details of attaching fascia panel & railing, see sheet A-403 & A-404.
 - For expansion joint details see sheet S-34.
 - Work this sheet with sheet S-22.

ENTRANCE RAMP "B" DECK PLAN

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

DESIGNED	JJK
CHECKED	DD
DRAWN	JJK
CHECKED	

HNTB HNTB CORPORATION
e:\28506\cadd\6\1\cadd\adp2.dgn
08-JAN-1998 09:03 JJK

USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-022 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	702
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

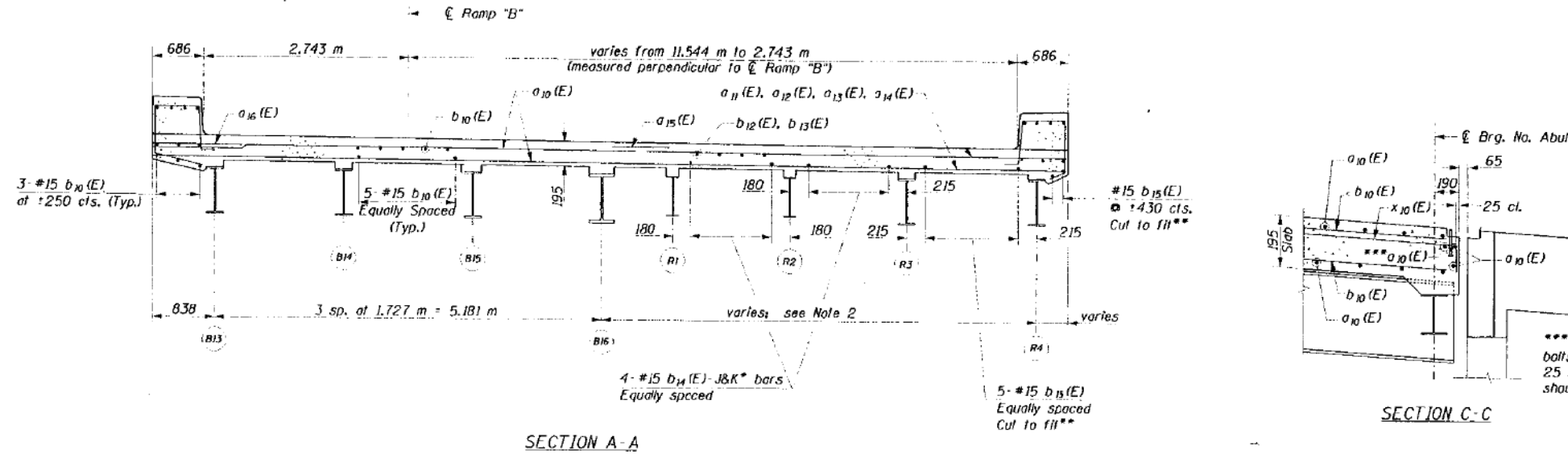
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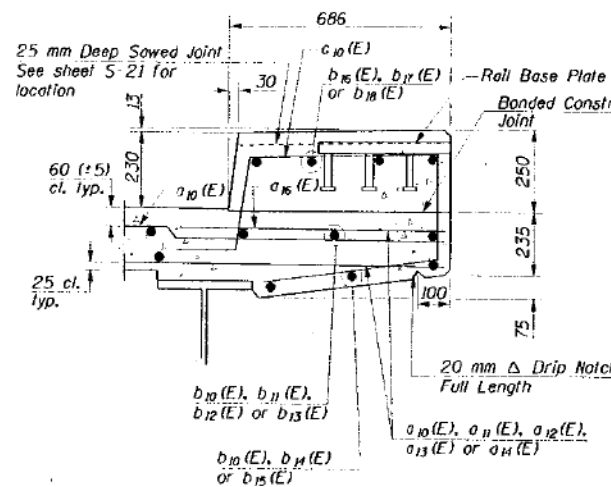
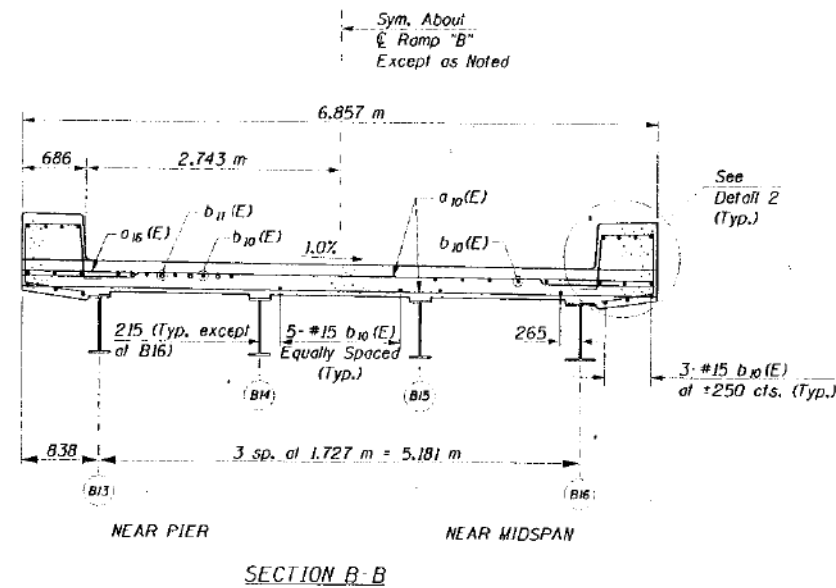
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	NO.	SHEET NO. S-22
1421	*	COOK	148	41	
* 0101-2-3B-R					



- * Order bars full length and cut according to Field Cutting Diagram on sheet S-21.
- ** Order bars full length and cut to fit.



- NOTES:
- See "DECK GENERAL NOTES" on sheet S-14
 - For beam spacing and location, see sheet S-24.
 - Work this sheet with sheet S-21.

DESIGNED	JJK
CHECKED	DD
DRAWN	JJK
CHECKED	

HNTB HNTB CORPORATION

08-JAN-1998 13:58 JJK

ENTRANCE RAMP "B" DECK
CROSS SECTIONS & DETAILS

ADAMS STREET OVER I-90/94
F.A.U. RTE. #21, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1-350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

11/19/97 9:29 AM
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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-023 OF AB-145 SHEETS

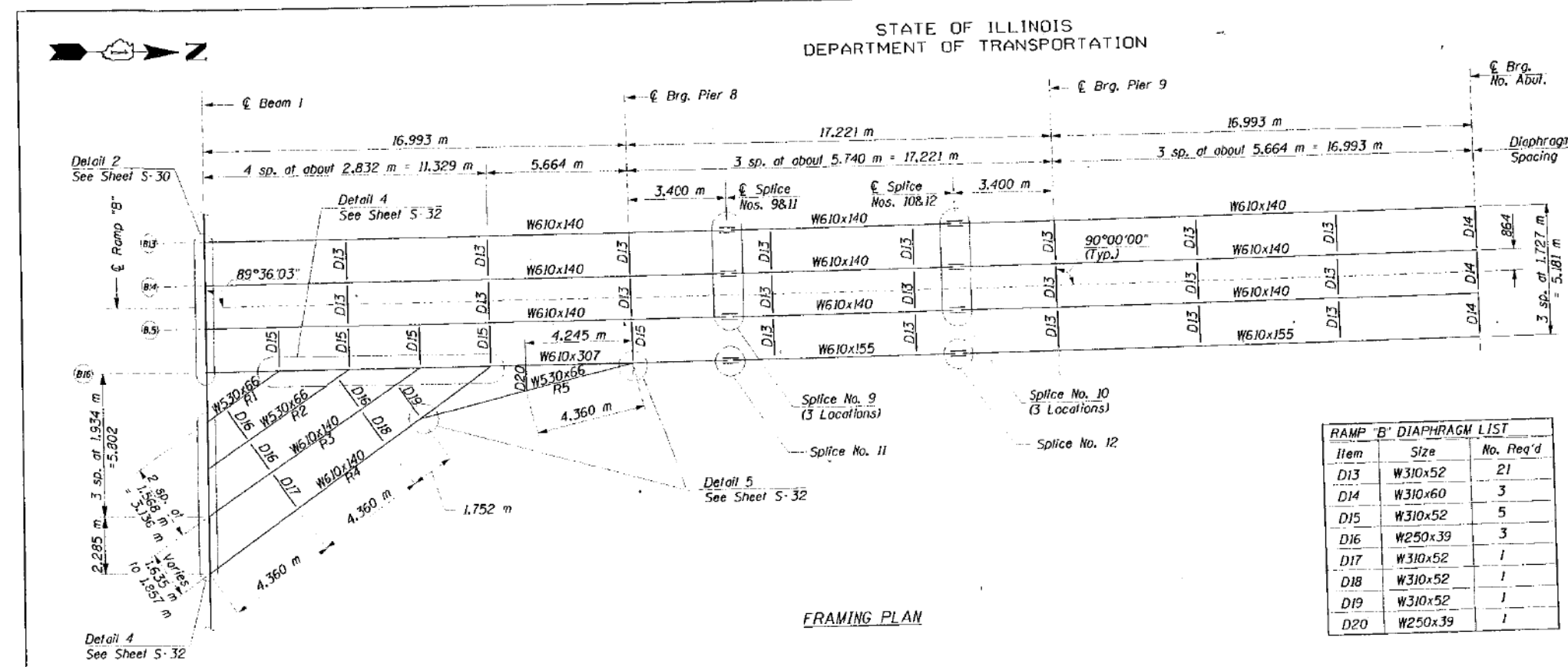
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90/94	2014-015R&B-R	COOK	825	703
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1421		COOK	148	43

* 0101-2-3B-R



Location	ELEVATION
B13-Beam 1	182.480
B13-Pier 8	182.107
B13-Splice 9	182.032
B13-Splice 10	181.468
B13-Pier 9	181.234
B13-Abutment	180.057
B14-Beam 1	182.482
B14-Pier 8	182.095
B14-Splice 9	182.018
B14-Splice 10	181.454
B14-Pier 9	181.217
B14-Abutment	180.040
B15-Beam 1	182.482
B15-Pier 8	182.081
B15-Splice 9	182.000
B15-Splice 10	181.437
B15-Pier 9	181.199
B15-Abutment	180.022
B16-Beam 1	182.467
B16-Pier 8	182.059
B16-Splice 11	181.977
B16-Splice 12	181.417
B16-Pier 9	181.181
B16-Abutment	180.004
R1-Beam 1	182.427
R1-B16	182.394
R2-Beam 1	182.387
R2-B16	182.327
R3-Beam 1	182.346
R3-B16	182.260
R4-Beam 1	182.298
R4-B16	182.193
R5-R4	182.232
R5-B16	182.055

Item	Size	No. Req'd
D13	W310x52	21
D14	W310x60	3
D15	W310x52	5
D16	W250x39	3
D17	W310x52	1
D18	W310x52	1
D19	W310x52	1
D20	W250x39	1

- NOTES:
- All dimensions are in millimeters (mm) unless otherwise noted.
 - See sheet S-30 and S-32 for beam connection details and sheet S-26 for diaphragm connection details.
 - See Sheet S-29 for splice details.
 - Top of beam elevations are given for fabrication only, and do not include thicknesses of splice plates.

ENTRANCE RAMP "B"
FRAMING PLAN

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

DESIGNED	GJH
CHECKED	RAW
DRAWN	JJK
CHECKED	RAW

HNTB CONSULTING CORPORATION

11/19/00 AM
D160X94-SHT-AS-BUILT-024.dgn



USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-024 OF AB-145 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	704
CONTRACT NO.			60X94	

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

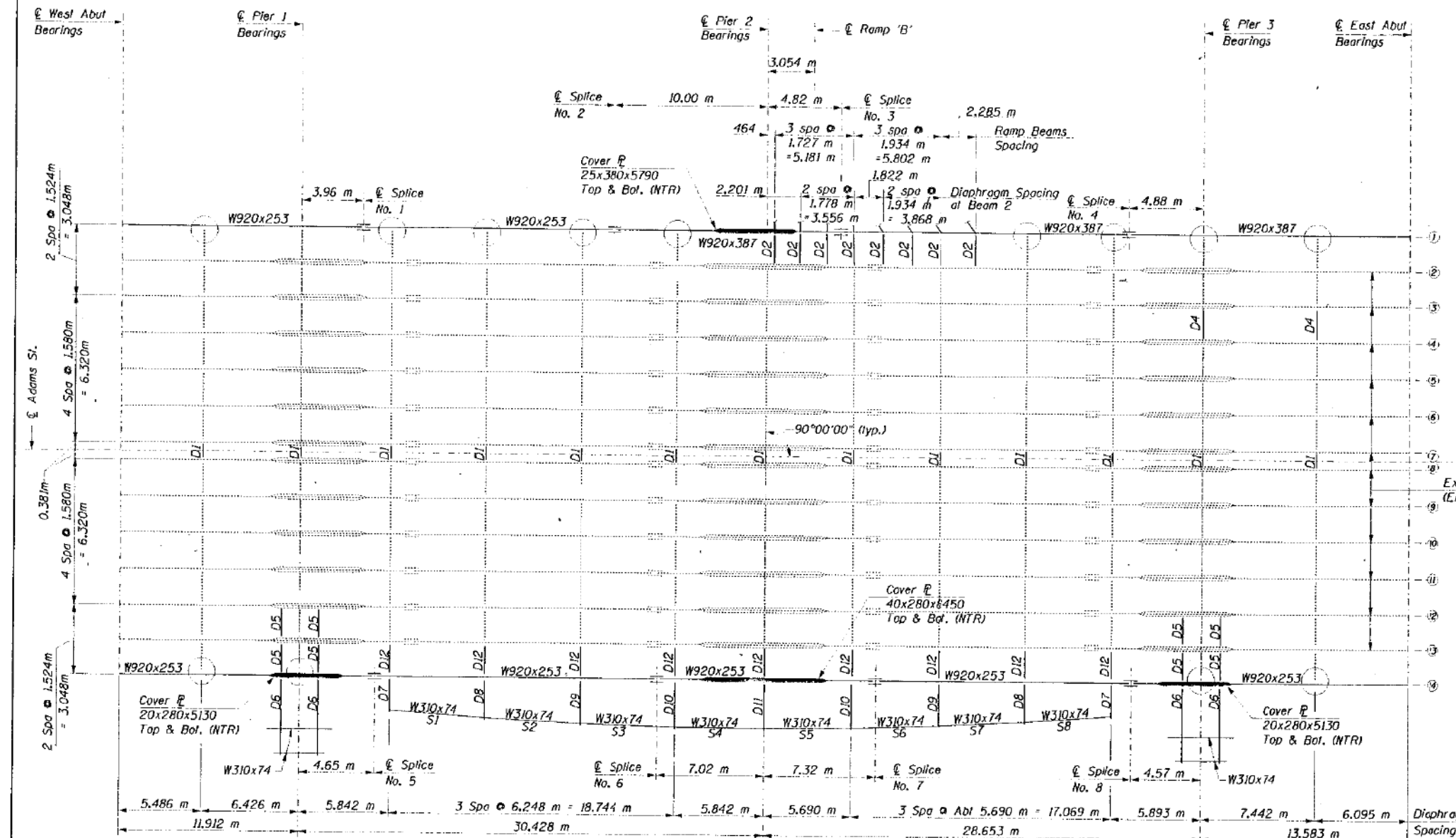
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
1421	COOK	148	42	42

0101-2-3B-R

ADAMS ST. BRIDGE DIAPHRAGM LIST

Item	Size	No. Req'd	Conn. Detail
D1	W410x53	13	Det. 1, Sht. S-30
D2	W760x161	8	Det. 2, Sht. S-30
D4	W410x53	2	Sec. A-A, Sht. S-33
D5	W920x201	8	Sec. C-C, Sht. S-31
D6	W920x201	4	Sec. C-C, Sht. S-31
D7	W690x125	2	Sec. A-A, Sht. S-31
D8	W690x125	2	Sec. A-A, Sht. S-31
D9	W690x125	2	Sec. A-A, Sht. S-31
D10	W690x125	2	Sec. A-A, Sht. S-31
D11	W690x125	1	Sec. B-B, Sht. S-31
D12	W690x125	9	Sec. A-A & B-B, Sht. S-31



Existing 36WF170
(English)

ADAMS ST. TOP OF BEAM ELEVATIONS

Location	Elevation
B1-W. Abutment	181.466
B1-Pier 1	181.958
B1-Splice 1	182.122
B1-Splice 2	182.460
B1-Pier 2	182.477
B1-Splice 3	182.485
B1-Splice 4	182.087
B1-Pier 3	181.870
B1-E. Abutment	181.267
B14-W. Abutment	181.447
B14-Pier 1	181.948
B14-Splice 5	182.153
B14-Splice 6	182.504
B14-Pier 2	182.482
B14-Splice 7	182.461
B14-Splice 8	182.034
B14-Pier 3	181.849
B14-E. Abutment	181.264

LEGEND

 Reconnect Existing Diaphragm to New Fascia Beam. See Detail 3, sheet S-30

DESIGNED	CJH
CHECKED	RAW
DRAWN	JJK
CHECKED	CJH

HNTB HNTB CORPORATION
 26506\cadd\bl\cadd\adl\p1.dgn
 08-JAN-1998 10:09 JJK

- NOTES:
- All dimensions are in millimeters (mm) unless otherwise noted.
 - For Entrance Ramp "B" framing plan, see sheet S-24.
 - See sheet S-29 for splice details.
 - See sheet S-25 for Beam Elevations and Details.
 - Top of beam elevations are given for fabrication only, and do not include the thicknesses of any cover plates or splice plates.
 - All ends of top cover plates and channel shear connectors shall be inspected, by the Engineer, for cracks when the deck is removed. If any cracks are found, the Bureau of Bridges and Structures shall be contacted for further disposition.

ADAMS STREET BRIDGE
FRAMING PLAN

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/91

11/19/90 AM
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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

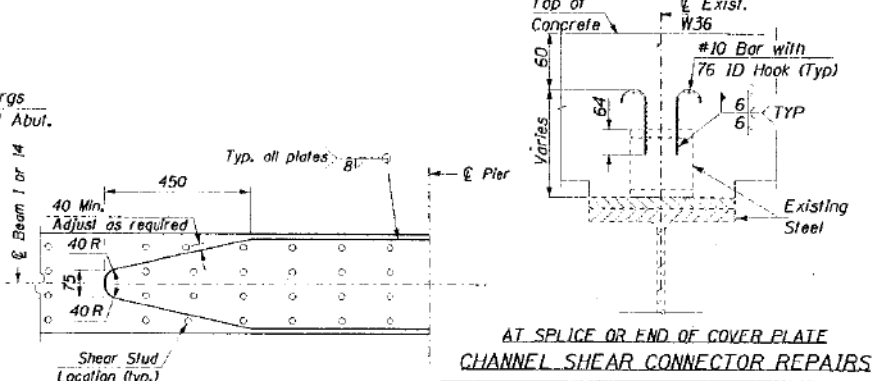
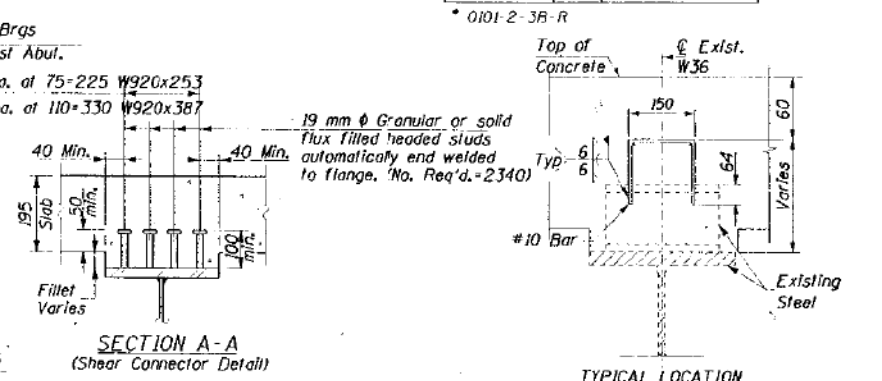
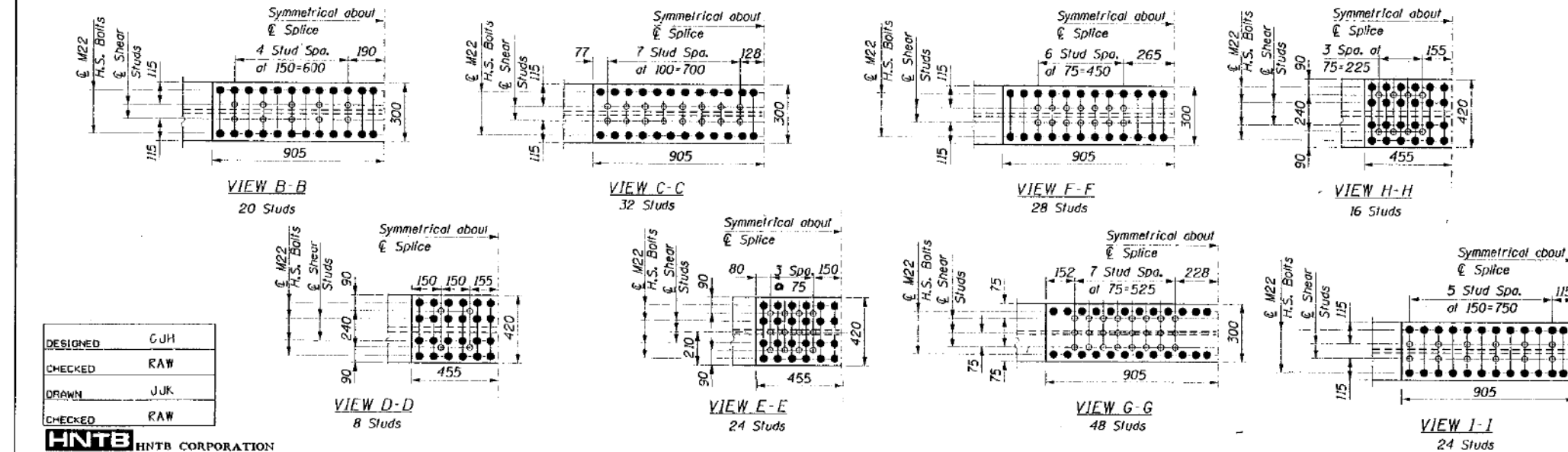
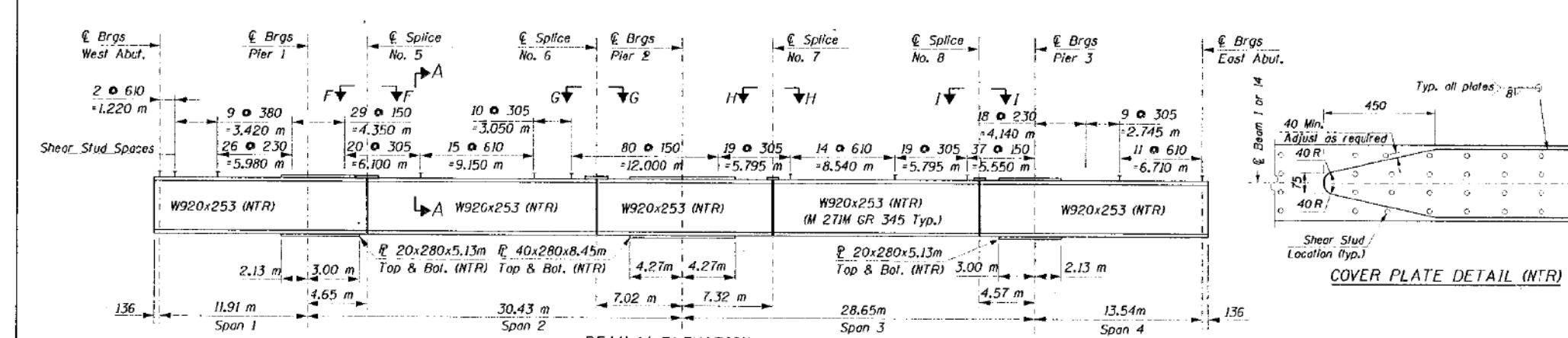
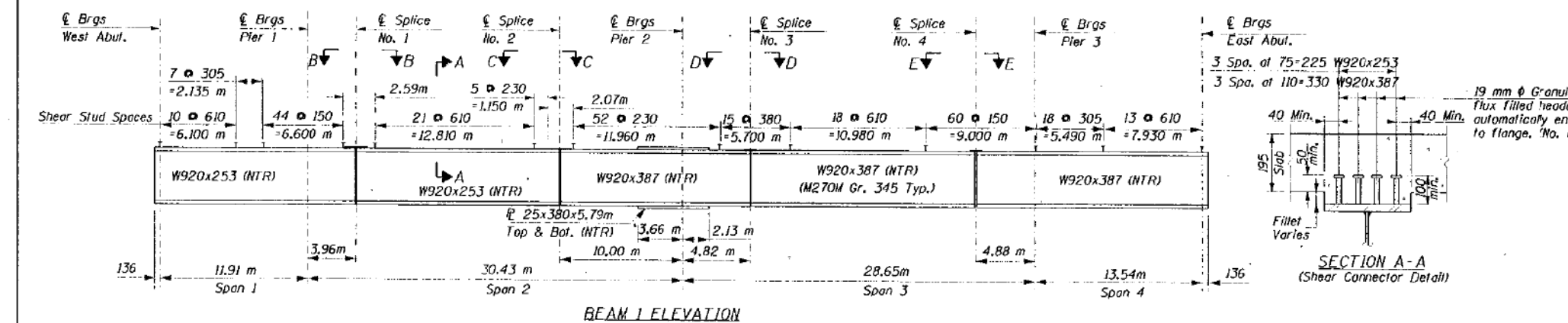
SHEET NO. AB-025 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	705
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	BY	CHKD	APP'D	SHEET NO.
1/21/98	COOK	148	44	S-25



AT SPLICE OR END OF COVER PLATE CHANNEL SHEAR CONNECTOR REPAIRS

Note: Existing #10 bars damaged during deck removal or in deteriorated condition shall be repaired according to the above details as directed by the engineer. Damaged or deteriorated #10 bars to be removed using the Air-Arc Method and grind smooth all weld material remaining on existing channel. Cost included with "Removal of Existing Concrete Deck"

- NOTES:**
- All dimensions are in millimeters (mm) unless otherwise noted.
 - NTR denotes members to which notch toughness requirements are applicable.
 - For splice details see sheet S-29.

DESIGNED	GJH
CHECKED	RAW
DRAWN	JJK
CHECKED	RAW

HNTB HNTB CORPORATION
08-JAN-1998 14:03 Jjkim

**ADAMS STREET BRIDGE
BEAM ELEVATIONS & DETAILS**

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

11:20:01 AM
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USER NAME	DESIGNED	REVISED
vjanachone	- JTF	-
	CHECKED	REVISED
	- WJC	-
PLOT SCALE	DRAWN	REVISED
- NTS	- JTF	-
PLOT DATE	CHECKED	REVISED
3/6/2020	- WJC	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

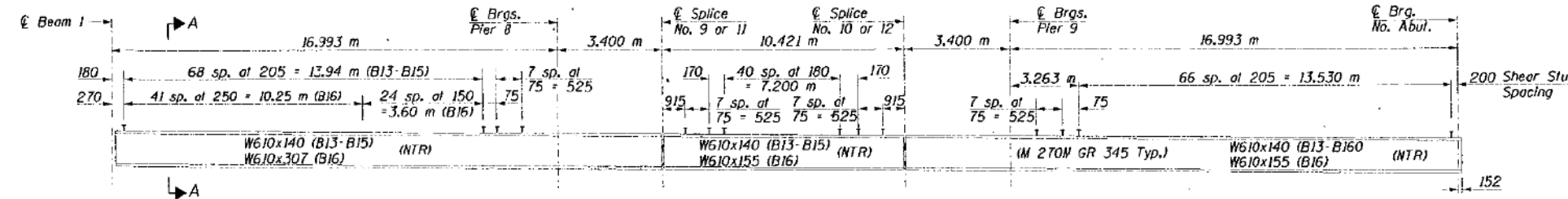
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90/94	2014-015R&B-R	COOK	825	706
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

SHEET NO. AB-026 OF AB-145 SHEETS

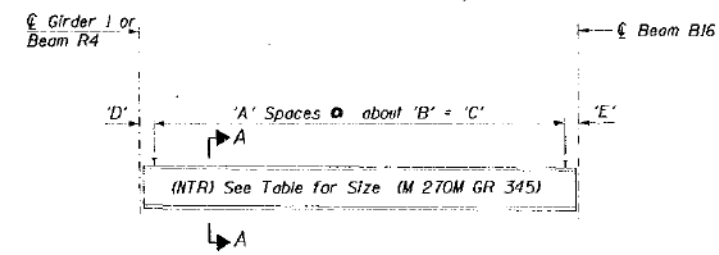
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	1421	DESIGNER	COOK	DATE	148	1997	45
SHEET NO. S-26							



ELEVATION: BEAMS B13 THROUGH B16



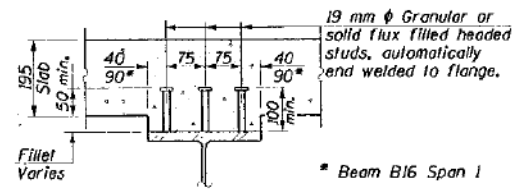
ELEVATION: BEAMS R1 THROUGH R5

BEAMS R1 - R5 SIZE & SHEAR STUD SPACING

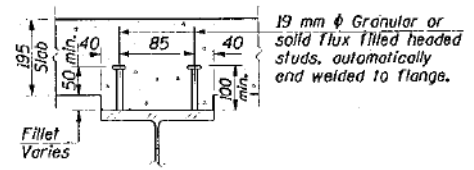
Beam	Size	'A'	'B'	'C'	'D'	'E'
R1	W530	27	115	3105	135	135
R2	W530	53	125	6660	104	103
R3	W610	56	180	10080	90	90
R4	W610	76	180	13680	107	107
R5	W530	71	120	8460	96	96

RAMP 'B' DIAPHRAGM Θ ANGLES

Diaph.	End	Angle θ
D13	Both	90°
D14	Both	90°
D15	Both	90°
D16	Both	90°
D17	R3	90°
D17	R4	88°46'08"
D18	R3	90°
D18	R4	88°46'08"
D19	B16	90°
D19	R5	88°46'08"
D20	B16	90°
D20	R5	76°41'04"

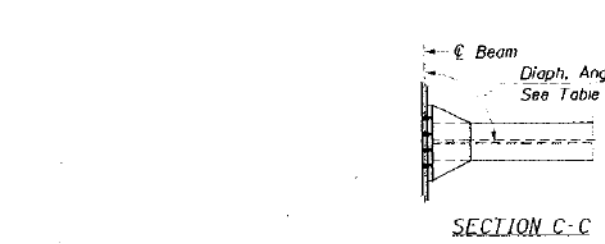


Beams B13, B16, R3 & R4

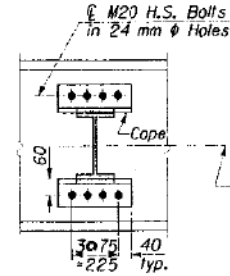


Beams R1, R2 & R5

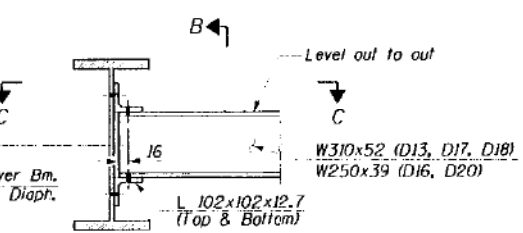
SECTION A-A
Total No. of Studs Req'd = 3206



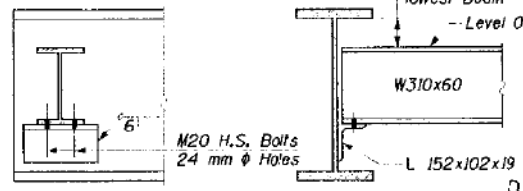
SECTION C-C



SECTION B-B

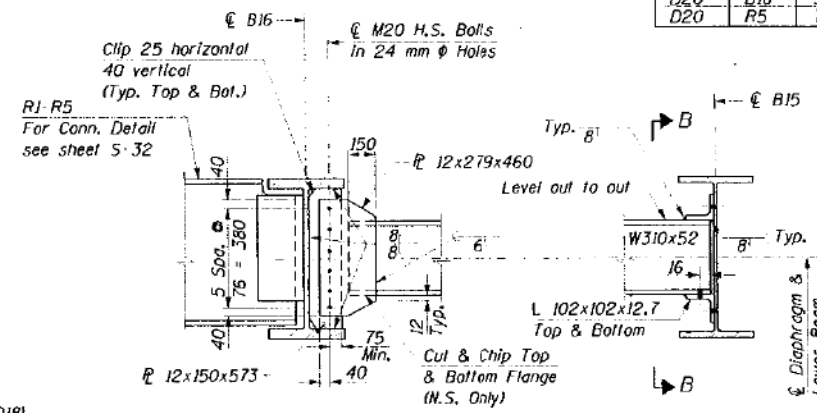


DIAPHRAGM D13, D16, D17, D18, D20
(See Sheet S-24 for location)

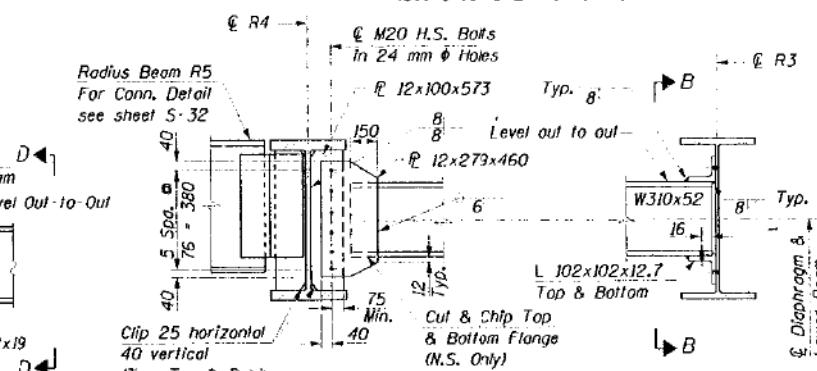


SECTION D-D

DIAPHRAGM D14
(See Sheet S-24 for location)



DIAPHRAGM D15
(See Sheet S-24 for location)



DIAPHRAGM D19
(See Sheet S-24 for location)

- NOTES:
- All dimensions are in millimeters (mm) unless otherwise noted.
 - Two hardened washers per bolt shall be required over all oversize holes for diaphragms.
 - NTR denotes notch toughness requirements.
 - Material for Diaphragms D13 through D20 and diaphragm connections shall be M 270M GR 250.

ENTRANCE RAMP "B"
BEAM ELEVATIONS & DIAPHRAGM DETAILS

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R

COOK COUNTY
STA. 1-350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/91

DESIGNED	CJH
CHECKED	RAW
DRAWN	JR0
CHECKED	CJH

HNTB CORPORATION
08 JAN 1998 10:09 JK:m

11:20:12 AM
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USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-027 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	707
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	LENG.	DATE	SHEET NO. S-27
1421		COOK	148	46	
* 0101-2-3B-R					

	0.3 Span 1	Pier 1	0.4 Sp. 2	Pier 2	0.5 Sp. 3	Pier 3	* 0.13 Sp. 4
Is (10 ⁶ mm ⁴)	4370	4370	4370	11535	7201	7201	7201
Ic (n) (10 ⁶ mm ⁴)	10663	5469	10663		14870	8391	
Ic (3n) (10 ⁶ mm ⁴)	7559		7559		10692		
Ss (10 ³ mm ³)	9504	9504	9504	23745	15617	15617	15617
Sc (n) (10 ³ mm ³)	13665	10596	13665	24163	20713	16371	
Sc (3n) (10 ³ mm ³)	12105		12105		18435		
Z (10 ³ mm ³)				26858			
Q (kN/m)	16.93	24.08	11.68	27.14	12.26	25.39	15.32
MR (kN-m)	173	961	248	3217	1252	1659	1072
sa (kN/m)	13.13		13.13		13.13		
Mse (kN-m)	9		592		399		
Ml (kN-m)	98	214	279	810	1349	640	480
M (Imp) (kN-m)	9	0	0	111	275	113	91
Σ ₃ (M _l +M(imp)) (kN-m)	178	358	466	1538	2712	1257	952
Ma (kN-m)	468	1714	1699	6182	5672	3791	2631
Mu (kN-m)	4756		4756	9259	7140		
f _{sq} (non-comp.) (MPa)	18	101	26	136	80	106	69
f _{sq} (comp.) (MPa)	1		49		22		
f _s [L+Imp] (MPa)	13	34	34	64	131	77	61
f _s (Overload) (MPa)	32	135	109	199	233	183	130
f _s (Total) (MPa)		175				238	168
VR (kN)	56		90		332		85

	West Abut.	Pier 1	Pier 2	Pier 3	East Abut.
RR (kN)	118	534	1258	706	86
Rl (kN)	35	109	351	240	31
Imp. (kN)	2	0	59	35	0
R (Total) (kN)	156	643	1668	981	117

	0.85 Span 1	Pier 1	0.5 Sp. 2	Pier 2	0.5 Sp. 3	Pier 3	* 0.13 Sp. 4
Is (10 ⁶ mm ⁴)	4370	6711	4370	9246	4370	6711	4370
Ic (n) (10 ⁶ mm ⁴)	5469	7837	10749	10388	10749	7837	5469
Ic (3n) (10 ⁶ mm ⁴)			7625		7625		
Ss (10 ³ mm ³)	9504	14027	9504	18583	9504	14027	9504
Sc (n) (10 ³ mm ³)	10596	15007	13798	19484	13798	15007	10596
Sc (3n) (10 ³ mm ³)			12233		12233		
Z (10 ³ mm ³)							
Q (kN/m)	28.69	53.52	11.68	38.92	11.68	53.52	28.69
MR (kN-m)	1140	1634	440	2914	354	1352	896
sa (kN/m)			19.70		19.70		
Mse (kN-m)			880		706		
Ml (kN-m)	240	332	416	561	374	295	209
M (Imp) (kN-m)	0	0	0	0	0	0	0
Σ ₃ (M _l +M(imp)) (kN-m)	401	554	694	937	624	493	350
Ma (kN-m)	2002	2844	2618	5005	2189	2399	1620
Mu (kN-m)			4756		4756		
f _{sq} (non-comp.) (MPa)	120	116	46	157	37	96	94
f _{sq} (comp.) (MPa)			72		58		
f _s [L+Imp] (MPa)	38	37	50	48	45	33	33
f _s (Overload) (MPa)	158	153	169	205	140	129	127
f _s (Total) (MPa)			199		168		165
VR (kN)	63		117		114		60

	West Abut.	Pier 1	Pier 2	Pier 3	East Abut.
RR (kN)	48	758	1087	702	105
Rl (kN)	27	157	231	149	29
Imp. (kN)	0	0	0	0	0
R (Total) (kN)	75	915	1318	852	134

DESIGNED GJH
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	* 0.87 Span 1	Pier 1	0.5 Sp. 2	Pier 2	0.5 Sp. 3	Pier 3	0.13 Sp. 4
Is (10 ⁶ mm ⁴)	4370	5896	4370	7467	4370	5896	4370
Ic (n) (10 ⁶ mm ⁴)	5469	6903	10156	8619	10156	6903	5469
Ic (3n) (10 ⁶ mm ⁴)			7242		7242		
Ss (10 ³ mm ³)	9504	12394	9504	14488	9504	12394	9504
Sc (n) (10 ³ mm ³)	10593	13347	13319	17419	13319	13347	10593
Sc (3n) (10 ³ mm ³)			11833		11833		
Z (10 ³ mm ³)							
Q (kN/m)	15.25	17.82	10.22	17.35	10.22	17.82	15.32
MR (kN-m)	658	903	398	1427	322	747	502
sa (kN/m)			5.84		5.84		
Mse (kN-m)			271		219		
Ml (kN-m)	327	392	646	535	605	363	298
M (Imp) (kN-m)	98	102	142	123	139	94	89
Σ ₃ (M _l +M(imp)) (kN-m)	710	824	1316	1098	1242	763	648
Ma (kN-m)	1778	2245	2580	3283	2319	1964	1494
Mu (kN-m)			3030		3030		
f _{sq} (non-comp.) (MPa)	69	73	42	99	34	60	53
f _{sq} (comp.) (MPa)			23		19		
f _s [L+Imp] (MPa)	67	62	99	63	93	57	61
f _s (Overload) (MPa)	136	135	164	162	146	118	114
f _s (Total) (MPa)	177	175	188	210	153	148	148
VR (kN)	183		188		190		173

	West Abut.	Pier 1	Pier 2	Pier 3	East Abut.
RR (kN)	71	400	521	367	65
Rl (kN)	109	175	199	159	114
Imp. (kN)	33	52	60	51	34
R (Total) (kN)	213	628	780	587	214

Is and Ss are the moment of inertia and section modulus of the steel section used in computing f_s (total and overload).

Ic (n) and Sc (n) are the moment of inertia and section modulus of the composite section used in computing stresses due to Live Load.

Ic (3n) and Sc (3n) are the moment of inertia and section modulus of the composite section used in computing stresses due to superimposed dead loads (See AASHTO 10.38).

VR is the maximum Live Load + Impact shear range in span.

Z is the plastic section modulus used to determine Mu in negative bending areas.

Ma (Applied Moment) = 1.3[M_l+M_{se}+Σ₃(M_l+M(imp))]

Mu (Plastic Moment Capacity) is computed according to AASHTO 10.48.1 & 10.50.1.1.

f_s (Total) is the sum of the stresses due to 1.3[M_l+M_{se}+Σ₃(M_l+M(imp))]

f_s (Overload) is the sum of the stresses due to M_l+M_{se}+Σ₃(M_l+M(imp))

Beam I4 carries only pedestrian loads under normal loading conditions thus Impact is zero.

* -M governs end span

BEAM REACTION* TABLE FOR JACKING

	At Abutments	At Piers 1&3
At Each Interior Beam	20 kN	120 kN

* Includes steel beam, diaphragm and 75 mm of oak shielding.

**ADAMS STREET BRIDGE
MOMENT & REACTION TABLES**

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1-350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-028 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	708
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET NO.	SECTION	COUNT	DATE	BY	SHEET NO. S-28
1421	COOK	148	47		

* 0101-2-38-R

	0.4 Span 8	Pier 8	0.5 Span 9	Pier 9	0.6 Span 10
I_s (10^6 mm ⁴)	1124	1124	1124	1124	1124
I_c (n) (10^6 mm ⁴)	3704		3704		3704
I_c (3n) (10^6 mm ⁴)	2641		2641		2641
S_s (10^3 mm ³)	3638	3638	3638	3638	3638
S_c (n) (10^3 mm ³)	6029		6029		6029
S_c (3n) (10^3 mm ³)	5360		5360		5360
Z (10^3 mm ³)					
\bar{Q} (kN/m)	10.36	10.36	10.36	10.36	10.36
$M\bar{R}$ (kN-m)	238	303	81	303	238
$s\bar{q}$ (kN/m)	4.82	4.82	4.82	4.82	4.82
$M_s\bar{q}$ (kN-m)	122	113	65	113	122
$M\bar{t}$ (kN-m)	356	166	294	166	358
M (Imp) (kN-m)	99	46	81	46	99
$\bar{S}_2(M\bar{t} + M(\text{Imp}))$ (kN-m)	759	353	627	353	764
M_a (kN-m)	1454	1000	1005	1000	1461
M_u (kN-m)					
f_{sq} (non-comp.) (MPa)	65	114	22	114	65
f_{sq} (comp.) (MPa)	23		12		23
$f_s \bar{S}_2 [t + \text{Imp}]$ (MPa)	126	97	104	97	127
f_s (Overload) (MPa)	214	211	138	211	215
f_s (Total) (MPa)	278	275	180	275	279
VR (kN)	148		156		149

	At Beam 1	Pier 8	Pier 9	Ramp Abut.
$R\bar{R}$ (kN)	105	284	284	105
$R\bar{t}$ (kN)	108	125	125	101
Imp. (kN)	30	35	35	28
R (Total) (kN)	242	444	444	234

	0.4 Span 8	Pier 8	0.5 Span 9	Pier 9	0.6 Span 10
I_s (10^6 mm ⁴)	2839	2839	1290	1290	1290
I_c (n) (10^6 mm ⁴)	7222		4037		4037
I_c (3n) (10^6 mm ⁴)	4974		2872		2872
S_s (10^3 mm ³)	8702	8702	4228	4228	4228
S_c (n) (10^3 mm ³)	12962		6702		6702
S_c (3n) (10^3 mm ³)	11307		5981		5981
Z (10^3 mm ³)					
\bar{Q} (kN/m)	8.32	11.68	10.22	10.22	10.22
$M\bar{R}$ (kN-m)	596	508	9	244	246
$s\bar{q}$ (kN/m)	1.46	5.11	5.11	5.11	5.11
$M_s\bar{q}$ (kN-m)	225	187	33	107	124
$M\bar{t}$ (kN-m)	732	277	284	161	362
M (Imp) (kN-m)	203	77	79	45	100
$\bar{S}_2(M\bar{t} + M(\text{Imp}))$ (kN-m)	1561	591	605	344	773
M_a (kN-m)	3096	1671	841	903	1485
M_u (kN-m)					
f_{sq} (non-comp.) (MPa)	68	80	2	83	58
f_{sq} (comp.) (MPa)	20		5		21
$f_s \bar{S}_2 [t + \text{Imp}]$ (MPa)	120	68	90	81	115
f_s (Overload) (MPa)	209	148	98	164	194
f_s (Total) (MPa)	271	192	127	214	252
VR (kN)	213		162		151

	At Beam 1	Pier 8	Pier 9	Ramp Abut.
$R\bar{R}$ (kN)	158	430	254	105
$R\bar{t}$ (kN)	110	187	127	103
Imp. (kN)	30	52	35	29
R (Total) (kN)	298	668	416	236

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	R1	R2	R3	R4	R5
I_s (10^6 mm ⁴)	351	351	1124	1124	351
I_c (n) (10^6 mm ⁴)	1440	1440	3452	3452	1440
I_c (3n) (10^6 mm ⁴)	1038	1038	2405	2405	1038
S_s (10^3 mm ³)	1337	1337	3638	3638	1337
S_c (n) (10^3 mm ³)	2548	2548	5885	5885	2548
S_c (3n) (10^3 mm ³)	2253	2253	5175	5175	2253
Z (10^3 mm ³)					
\bar{Q} (kN/m)	8.76	8.76	9.27	9.27	7.44
$M\bar{R}$ (kN-m)	51	51	296	296	74
$s\bar{q}$ (kN/m)	1.90	1.90	4.38	4.38	4.01
$M_s\bar{q}$ (kN-m)	11	11	147	147	39
$M\bar{t}$ (kN-m)	90	90	314	314	140
M (Imp) (kN-m)	27	27	92	92	42
$\bar{S}_2(M\bar{t} + M(\text{Imp}))$ (kN-m)	196	196	677	677	304
M_a (kN-m)	336	336	1457	1457	542
M_u (kN-m)	1224	1224	2194	2194	1224
f_{sq} (non-comp.) (MPa)	38	38	81	81	55
f_{sq} (comp.) (MPa)	5	5	28	28	17
$f_s \bar{S}_2 [t + \text{Imp}]$ (MPa)	77	77	115	115	119
f_s (Overload) (MPa)	120	120	225	225	192
f_s (Total) (MPa)	127	127	164	164	140
VR (kN)	127	127	164	164	140

	R1	R2	R3	R4	R5
$R\bar{R}$ (kN)	36	36	133	133	50
$R\bar{t}$ (kN)	98	98	127	127	108
Imp. (kN)	29	29	37	37	32
R (Total) (kN)	164	164	297	297	190

I_s and S_s are the moment of inertia and section modulus of the steel section used in computing f_s (total end overload).

I_c (n) and S_c (n) are the moment of inertia and section modulus of the composite section used in computing stresses due to Live Load.

I_c (3n) and S_c (3n) are the moment of inertia and section modulus of the composite section used in computing stresses due to superimposed dead loads (See AASHTO 10.38).

VR is the maximum Live Load + impact shear range in span.

Z is the plastic section modulus used to determine M_u in negative bending areas.

M_a (Applied Moment) = $1.3(M\bar{t} + M_s\bar{q} + \bar{S}_2(M\bar{t} + M(\text{Imp})))$

M_u (Plastic Moment Capacity) is computed according to AASHTO 10.48.1 & 10.50.1.1.

f_s (Total) is the sum of the stresses due to $1.3(M\bar{t} + M_s\bar{q} + \bar{S}_2(M\bar{t} + M(\text{Imp})))$

f_s (Overload) is the sum of the stresses due to $M\bar{t} + M_s\bar{q} + \bar{S}_2(M\bar{t} + M(\text{Imp})))$

ENTRANCE RAMP "B"
MOMENT & REACTION TABLES

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-38-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/91

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USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS

SHEET NO. AB-029 OF AB-145 SHEETS

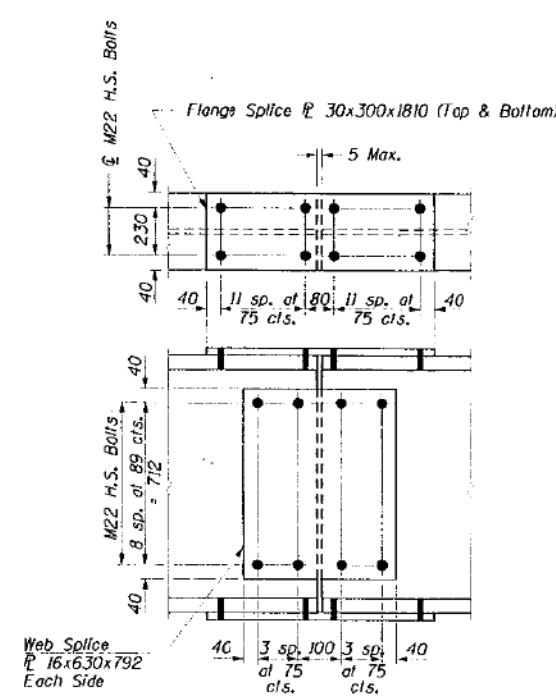
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	709
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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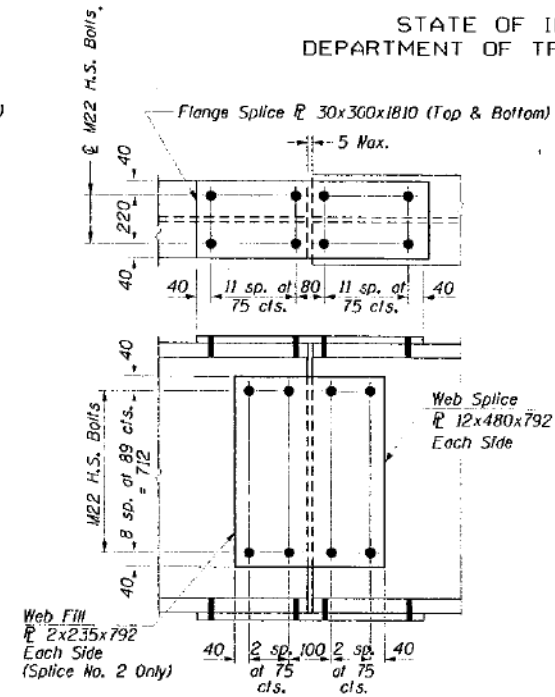
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ROUTE NO.	SECTION	COUNTY	SHEET NO.	DATE
1421	COOK	148	48	

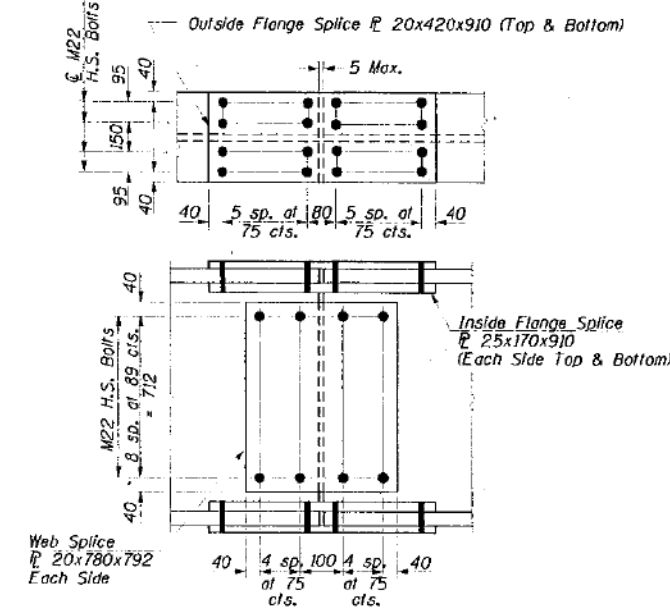
* 0101-2-3B-R



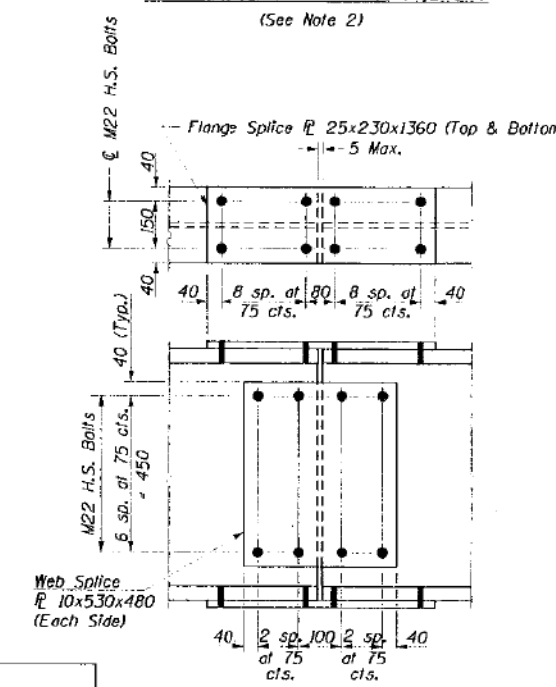
DETAIL OF SPLICE NO. 1, 5 & 8
(See Note 2)



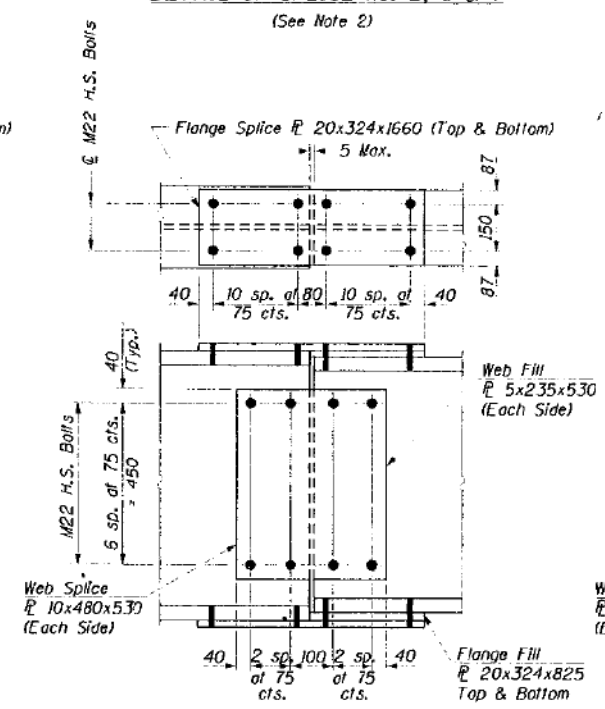
DETAIL OF SPLICE NO. 2, 6 & 7
(See Note 2)



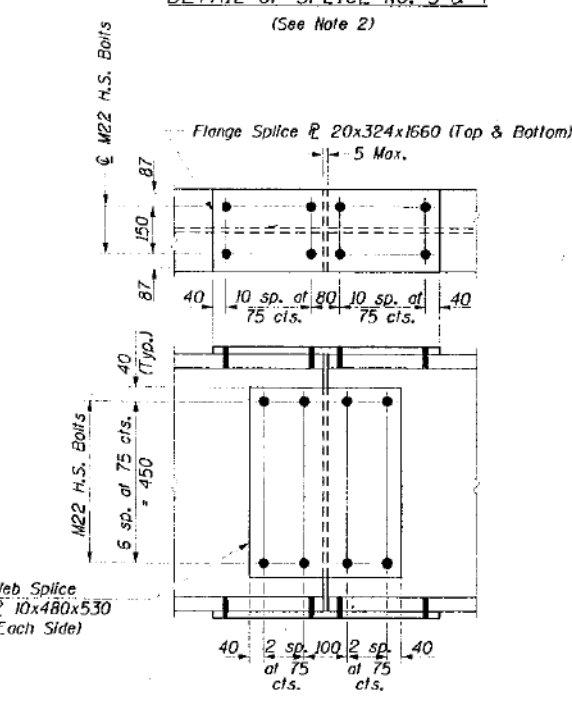
DETAIL OF SPLICE NO. 3 & 4
(See Note 2)



DETAIL OF SPLICE NO. 9 & 10



DETAIL OF SPLICE NO. 11



DETAIL OF SPLICE NO. 12

- NOTES**
- All dimensions are in millimeters (mm) except as noted.
 - See sheet S-25 for shear stud layout on splice.
 - All material on this sheet except fill plates shall be NTR.
 - All material on this sheet shall be M 270M GR 345.

ADAMS ST. BRIDGE & RAMP "B"
SPLICE DETAILS

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

DESIGNED C.JH
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DRAWN KAN
CHECKED C.JH

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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

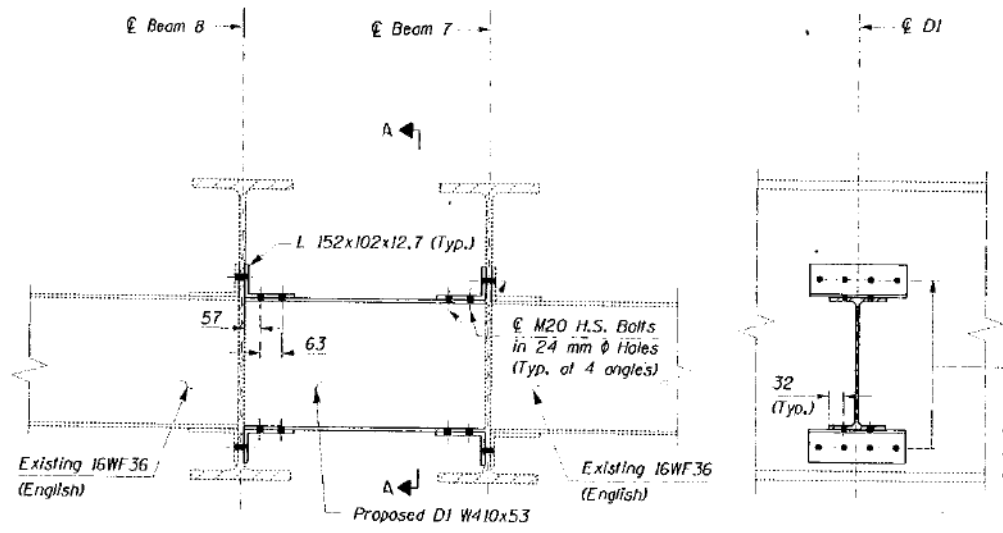
SHEET NO. AB-030 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	710
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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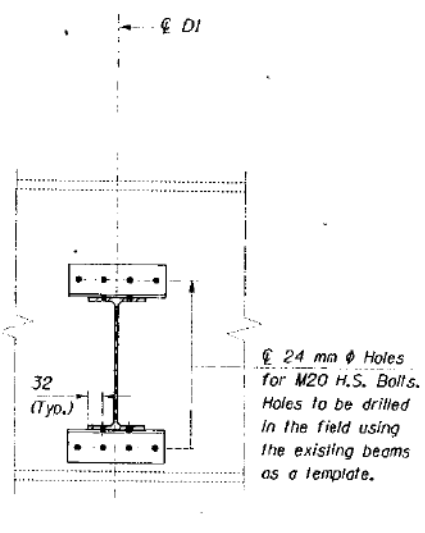
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	NO.	SHEET NO. S-30
1421		COOK	148	49	
F.A.U. RTE. 1421		SEC. 0101-2-3B-R			

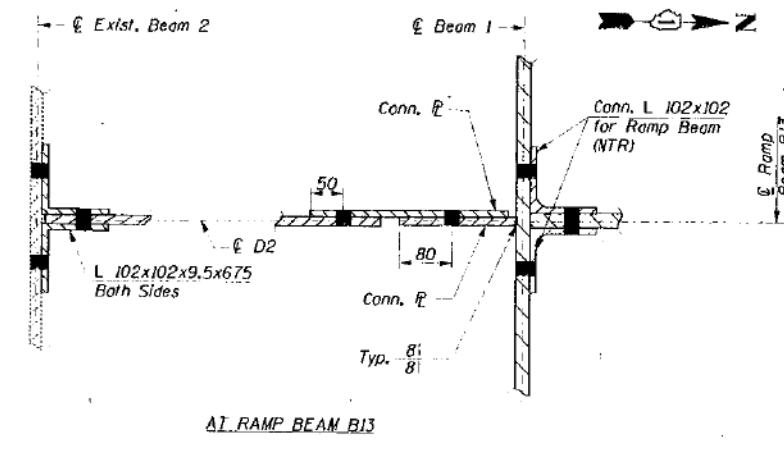


DETAIL 1

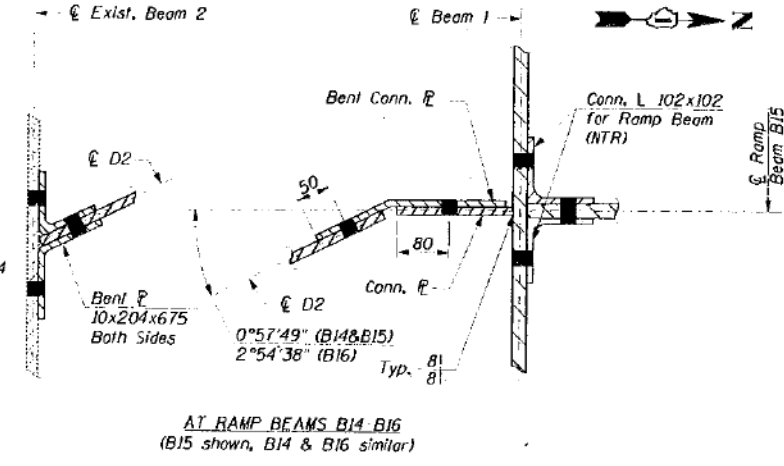
(For Location of Detail, see sheet S-23)



SECTION A-A

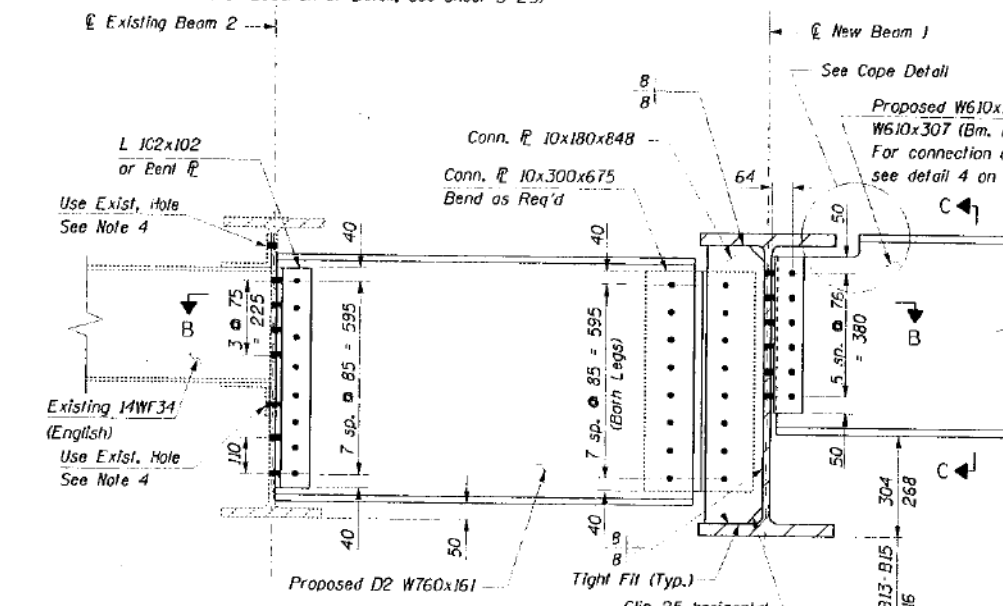


AT RAMP BEAM B13



SECTION B-B

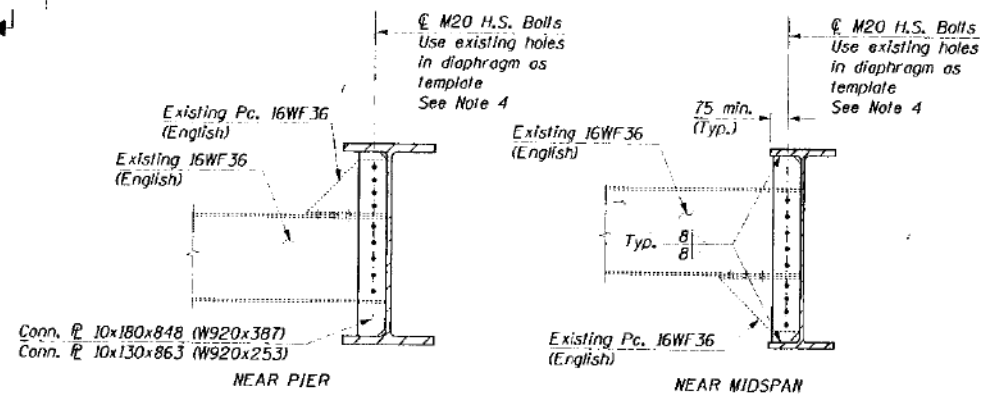
(For detail at radius beams R1-R4, see sheet S-32)



DETAIL 2

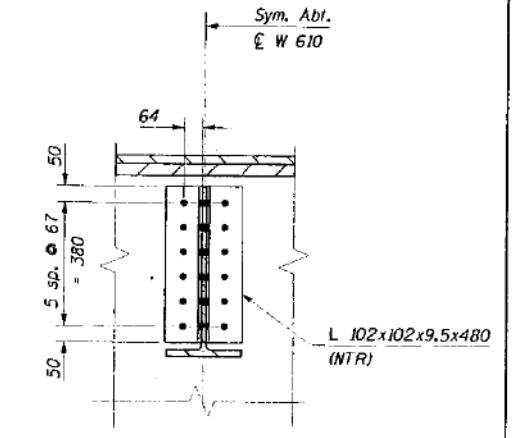
(For Location of Detail, see sheet S-23)

Material for Diaphragms D1 & D2 and connections shall be M 270N GR 250.

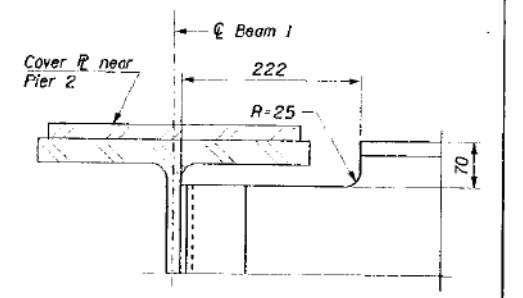


DETAIL 3

(For Location of Detail, see sheet S-24)



SECTION C-C



COPE DETAIL AT BEAM 1

- NOTES:
- All dimensions are in millimeters (mm) unless otherwise noted.
 - See sheet S-31 for south sidewalk diaphragm connection details.
 - All bolts to be M22 H.S. bolts in 24 mm ϕ holes unless otherwise noted.
 - Two hardened washers per bolt shall be required over all oversize holes for diaphragms.
 - Cost of field drilling is included with "Furnishing and Erecting Structural Steel".
 - NTR denotes Notch Toughness Requirements.

ADAMS STREET BRIDGE
DIAPHRAGM CONNECTION DETAILS

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

DESIGNED	GJM/JJK
CHECKED	RAW
DRAWN	JJK
CHECKED	GJM

HNTB CORPORATION

g:\26508\cadd\bl\cds\nd\md3.dgn
08-JAN-1998 10:10 Jkim

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USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

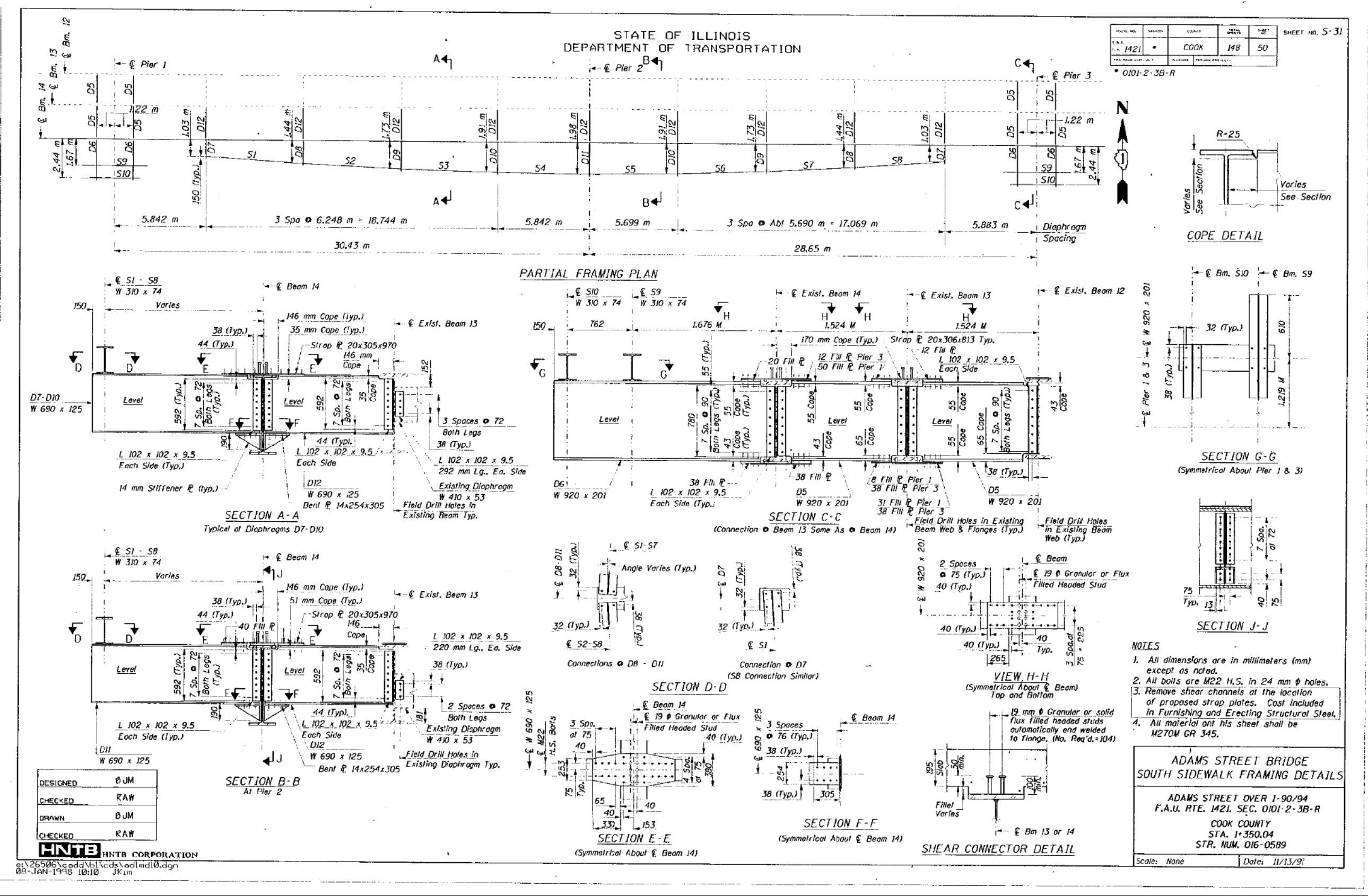
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-031 OF AB-145 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	711
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

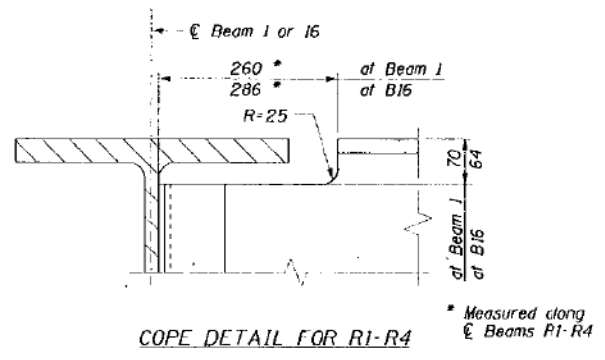
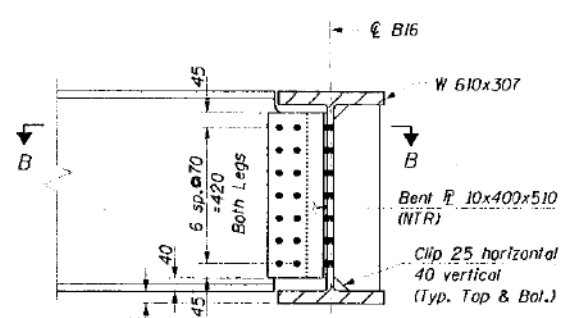
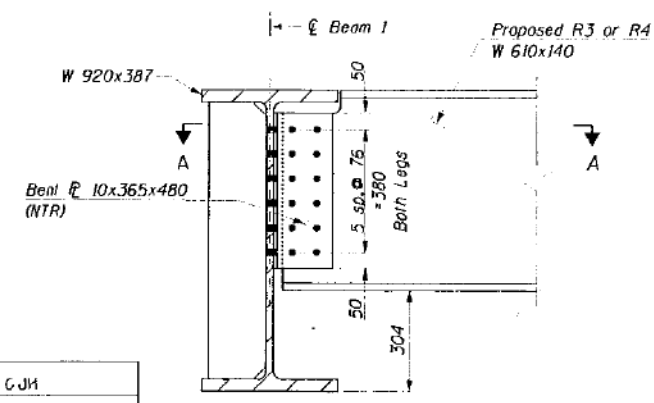
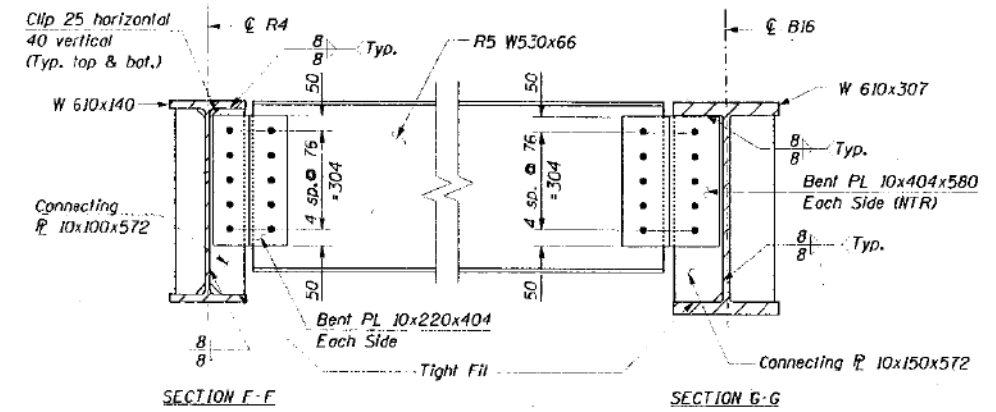
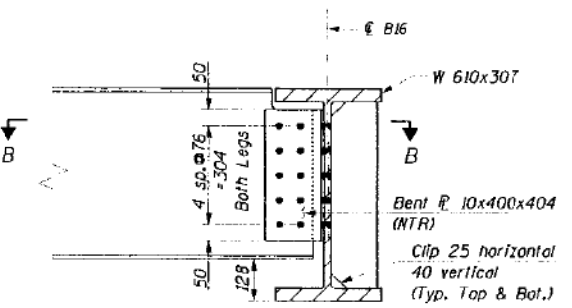
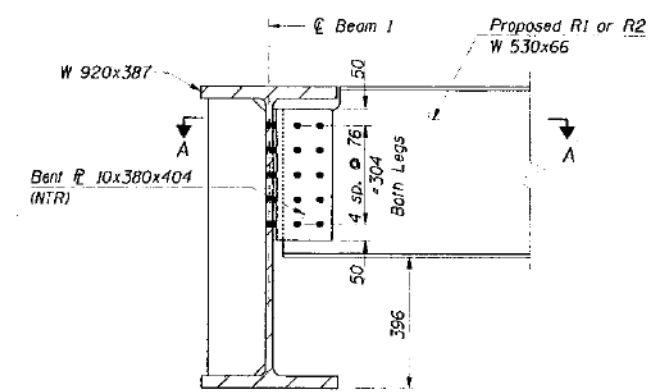
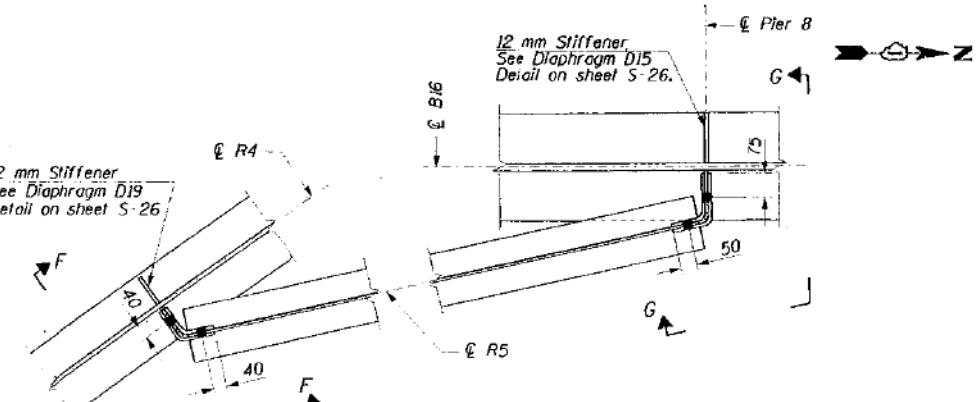
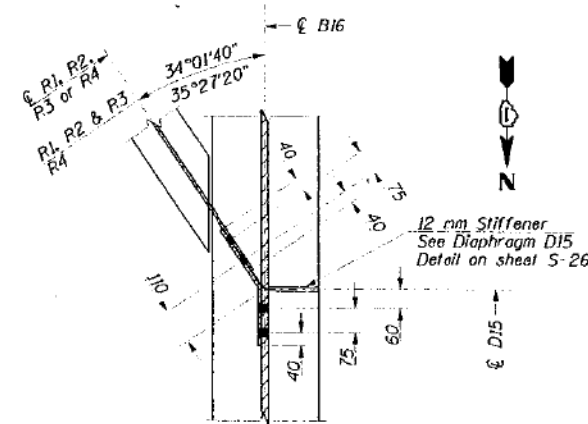
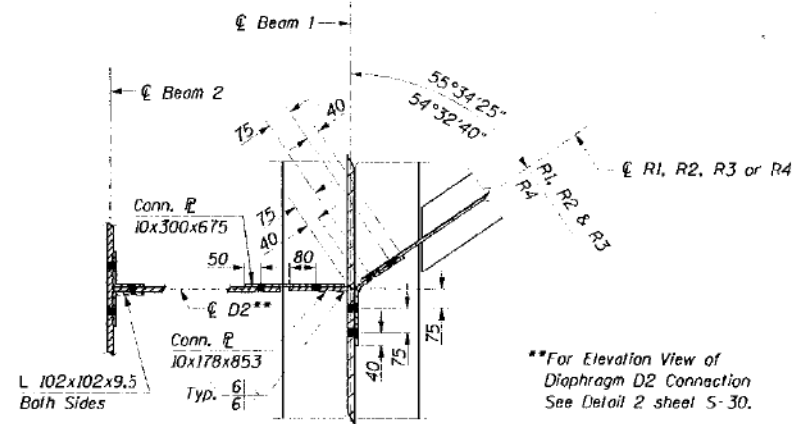
EXISTING RECORD DRAWINGS
SHEET NO. AB-032 OF AB-145 SHEETS

F.A.I. RTE. 90/94	SECTION 2014-015R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 712
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1421		COOK	148	51	
F.A.U. R.T.E. NO.		SEC.	CONTRACT NO.		
0101-2-3B-R			60X94		



- NOTES
- All dimensions are in millimeters (mm) except as noted.
 - All connection bolts to be M22 H.S Bolts in 24 mm ϕ holes.
 - All connection plates and angles shall meet notch toughness requirements.

ENTRANCE RAMP "B"
RADIUS BEAM CONNECTION DETAILS

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R

COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

DESIGNED	GJM
CHECKED	RAW
DRAWN	JJK
CHECKED	GJM

HNTB HNTB CORPORATION
08-JAN-1998 11:06 Jkm

DETAIL 4
(See Sheet S-24 for location)

DETAIL 5
(See Sheet S-24 for location)

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PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

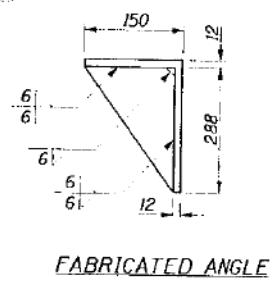
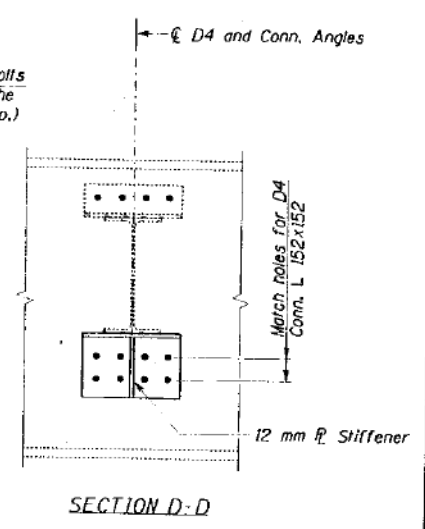
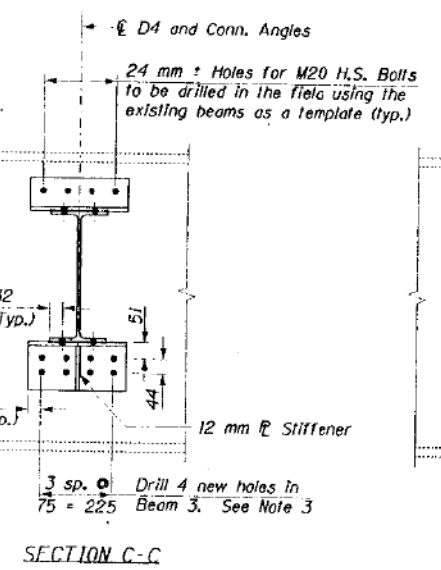
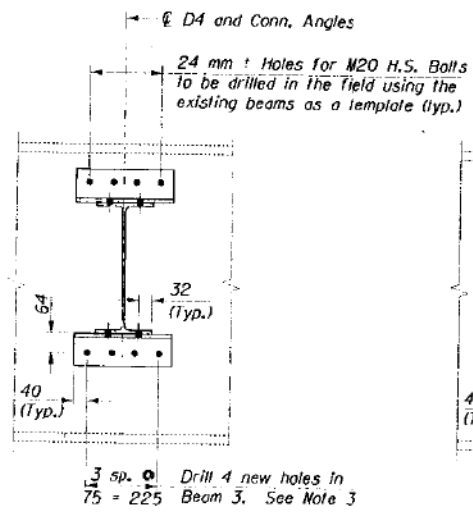
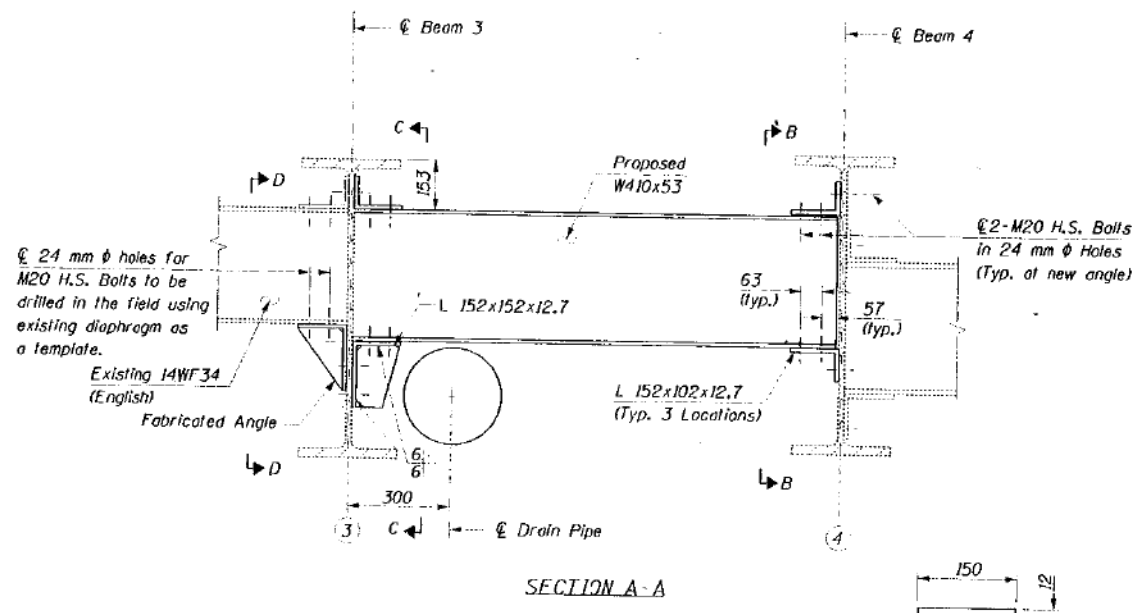
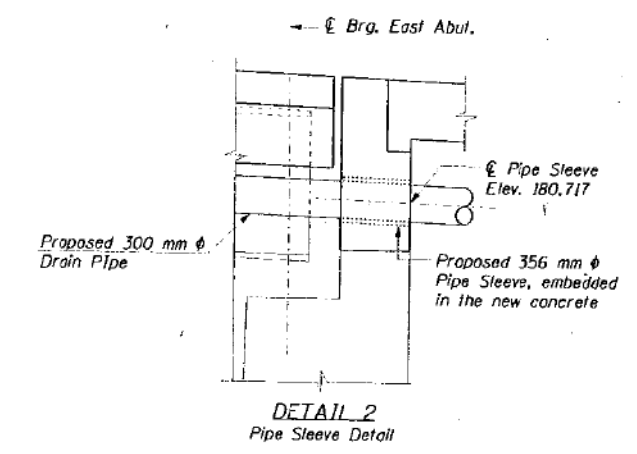
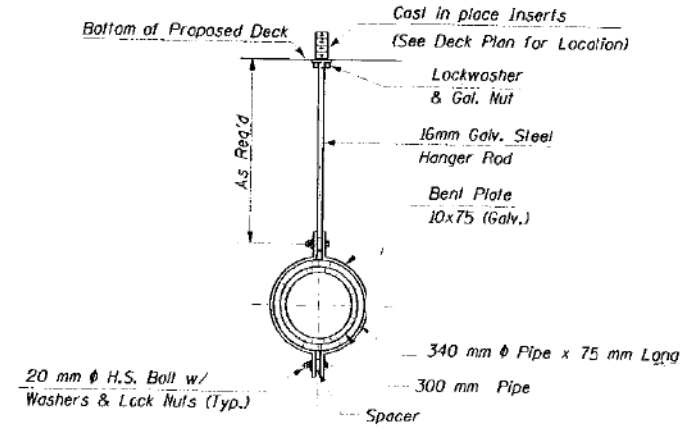
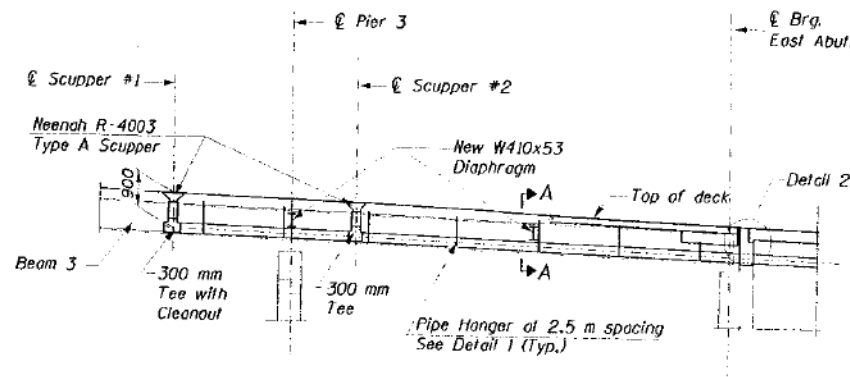
SHEET NO. AB-033 OF AB-145 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	713
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	DATE	SHEET	SHEET NO. S-33
1421		COOK	148	52
* 0101-2-38-R				



- NOTES
- All dimensions are in millimeters (mm) except as noted.
 - Two hardened washers per bolt shall be required over all oversize holes for diaphragm.
 - Cost for field drilling included with "Furnishing & Erecting Structural Steel".

DESIGNED	PCA/KGN
CHECKED	DD
DRAWN	JJK
CHECKED	RAW

HNTB CORPORATION
08-JAN-1998 11:06 JJK

ADAMS STREET BRIDGE
DRAINAGE DETAILS

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC.
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-034 OF AB-145 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	714
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DATE	SECTION	OWNER	SCALE	SHEET
1/21/98	1421	COOK	1/8"	53

SHEET NO. S-34

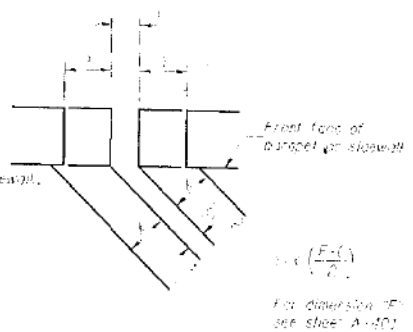
* 0101-2-3B-R

Joint Size	10" at 10 °C	10" at 10 °C
50	50	40 Min.
65	65	45 Min.
100	75	65 Min.

INSTALLATION NOTES

- Install continuous seal in roadway, parapet, curb, and sidewalk.
- Install anchor blocks as indicated.

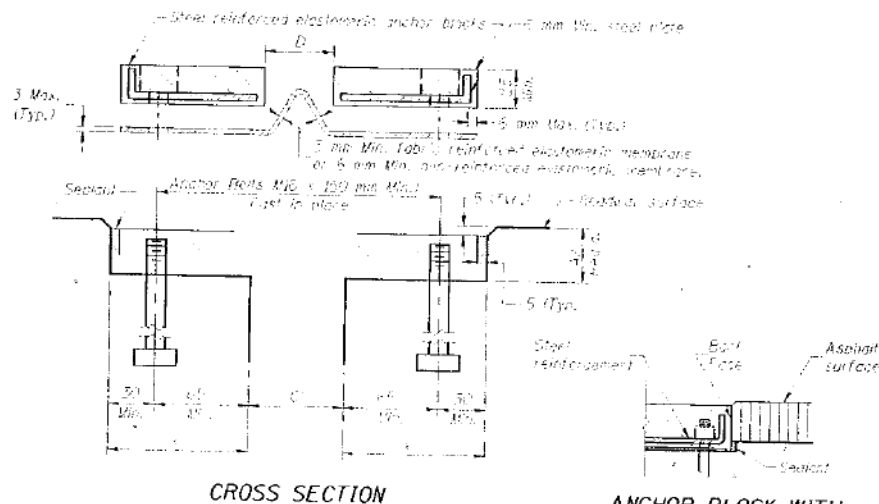
NOTE A: Maximum spacing of anchor bolts shall be 300 centimeters.



FORMING BLOCKOUT
SKETCH

SKEW LIMITATIONS

The details of the anchor blocks and the elastomeric membrane in the parapet, as shown, are for up to 50° skew. For skews greater than 50°, the anchor blocks and the elastomeric membrane, installed according to dimension "D", might require modifications to insure a minimum clearance of 40 mm from centerline of anchor studs to edge of parapet opening. The anchor blocks and the elastomeric membrane shall also be installed to the top of the parapet with the anchor studs spaced at 300 mm c/c.



CROSS SECTION

ANCHOR BLOCK WITH
ASPHALT SURFACE

GENERAL NOTES

Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane.

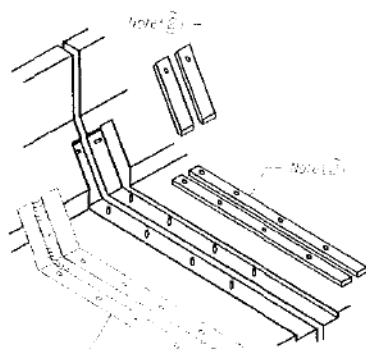
The elastomeric membrane shall be preformed with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.

The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.

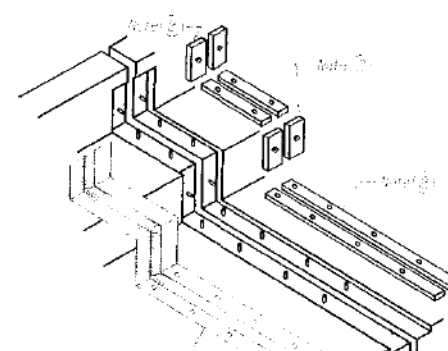
Joint openings shall be adjusted according to Article 503.01e1 of the Standard Specifications when the deck is poured at an ambient temperature other than 10 °C.

The parapet and roadway membrane shall be made continuous by an approved vulcanizing process. Lapping will not be permitted.

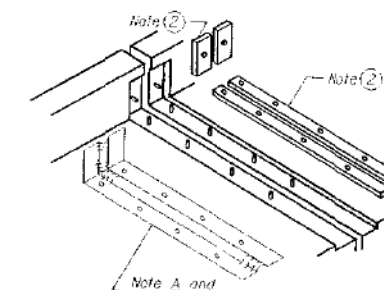
All dimensions are in millimeters (mm) except as noted.



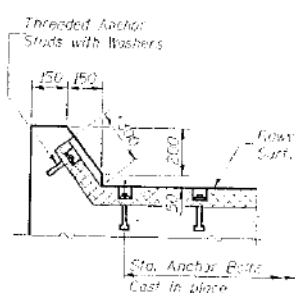
AT PARAPET



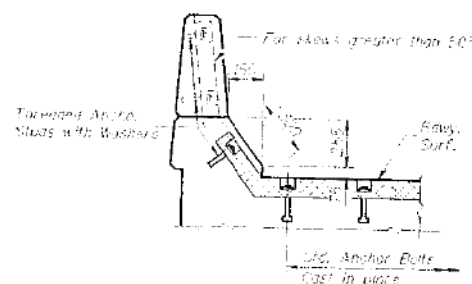
AT SIDEWALK OR MEDIAN



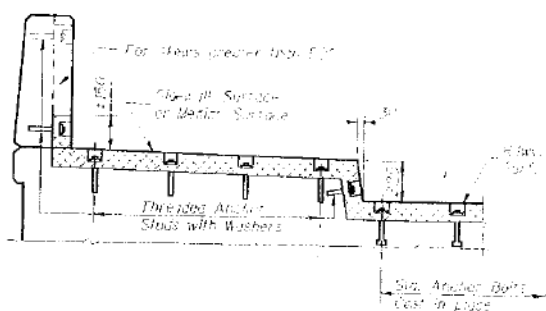
AT WALL



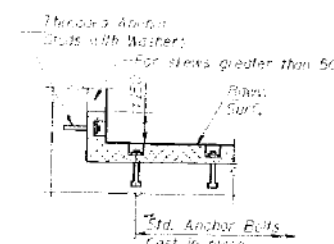
AT CURB



AT PARAPET



AT SIDEWALK OR MEDIAN
TYPICAL END TREATMENTS



AT WALL

DESIGNED	
CHECKED	
DRAWN	
CHECKED	

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11/21/98 11:06

CONTINUOUS SEAL TYPE NEOPRENE EXPANSION JOINTS

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-035 OF AB-145 SHEETS

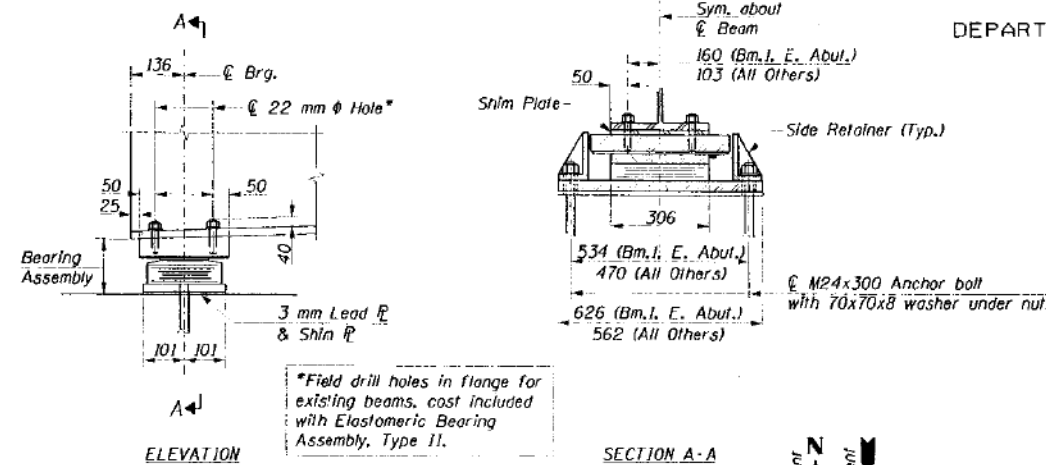
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CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

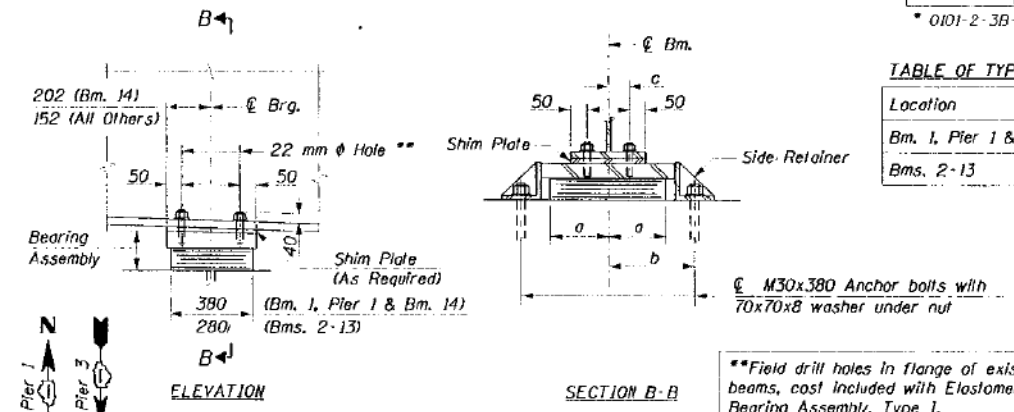
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1421	*	COOK	148	54
SHEET NO. S-35				

* 0101-2-3B-R



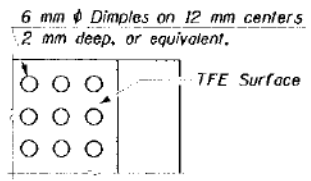
TYPE II ELASTOMERIC EXP. BRG. ABUTMENTS



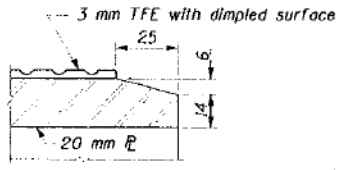
TYPE I ELASTOMERIC EXP. BRG. PIERS 1 & 3
(at all beams except Bm. 1, Pier 3 - see sheet S-38)

TABLE OF TYPE I BEARING DIMENSIONS

Location	a	b	c
Bm. 1, Pier 1 & Bm. 14	318	406	103
Bms. 2-13	203	291	103



PLAN-TFE SURFACE

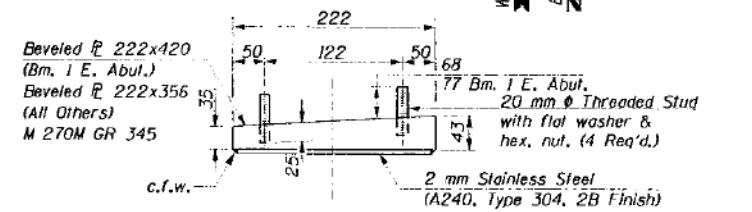


SECTION THRU TFE

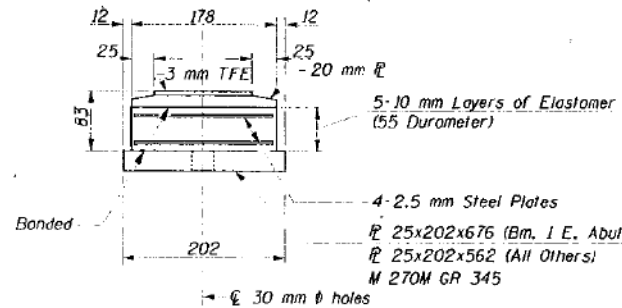
Note: The 3 mm TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type 1. The bond agent shall be applied on the full area of the contact surfaces. Bonding of 3 mm TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assemble height is approved by the Engineer.

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CHECKED	RAW
DRAWN	JJK
CHECKED	RAW

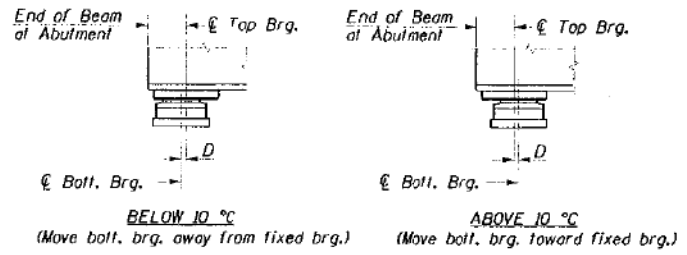
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08-JAN-1998 11:06 JJK



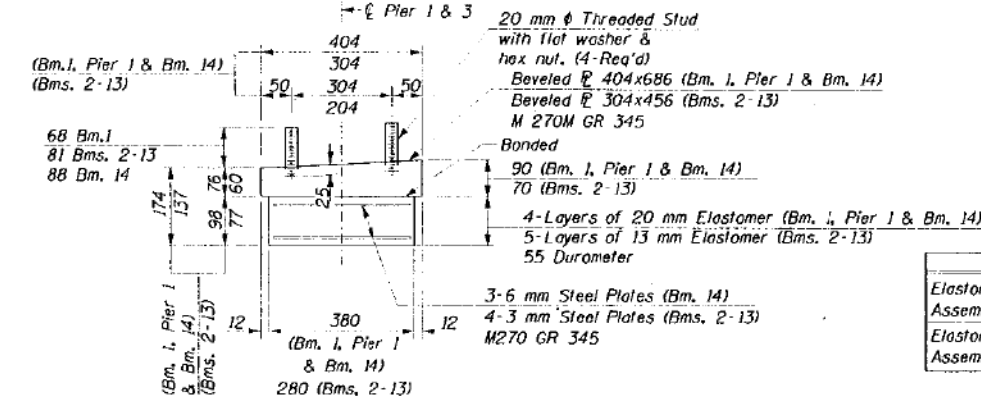
TOP BEARING ASSEMBLY - TYPE II
Looking South (East Abut.) Looking North (West Abut.)



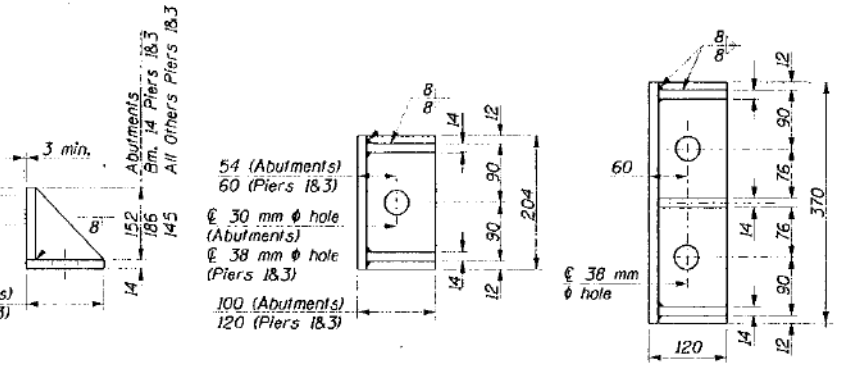
BOTTOM BEARING ASSEMBLY



SETTING ANCHOR BOLTS AT EXP. BRG.
D = 1 mm per each 10 m of expansion for every 8 °C temp. change from the normal temp. of 10 °C.



BEARING ASSEMBLY - TYPE I
Looking South (Pier 3) Looking North (Pier 1)



ABUTMENTS & PIERS 1 & 3

ABUTMENTS & PIERS 1 & 3

PIERS 1 & 3
(Bm. 1, Pier 1 & Bm. 14 ONLY)

SIDE RETAINER
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Furnishing and Erecting Structural Steel.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	27
Elastomeric Bearing Assembly Type II	Each	28

NOTES:

- See Sheet S-39 for Anchor Bolt installation.
- All dimensions in millimeters (mm) unless otherwise noted.

**ELASTOMERIC BEARING DETAILS
ADAMS STREET BRIDGE
PIERS 1, 3 AND ABUTMENTS**

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

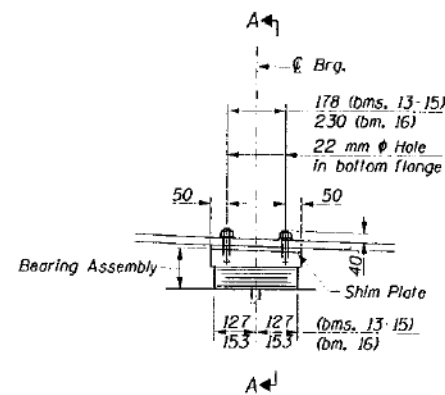
SHEET NO. AB-036 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

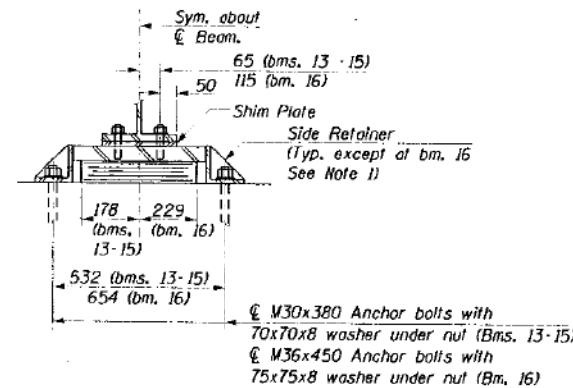
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

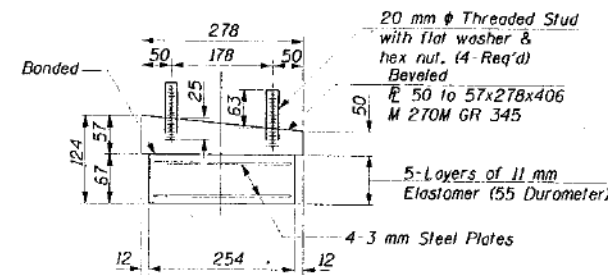
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DESIGNED BY	CHECKED BY	PROJECT		
		* 0101-2-3B-R		



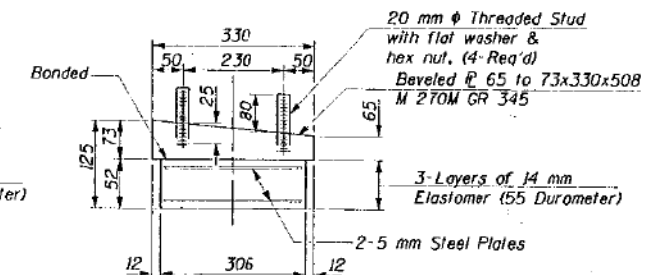
ELEVATION AT PIER 8
(Looking West)



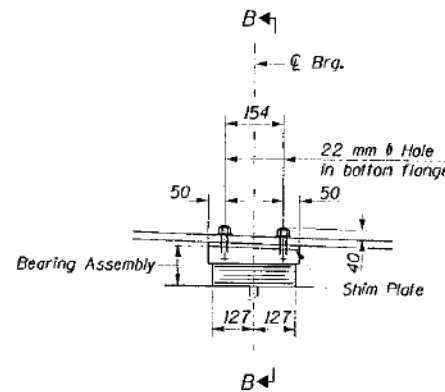
SECTION A-A



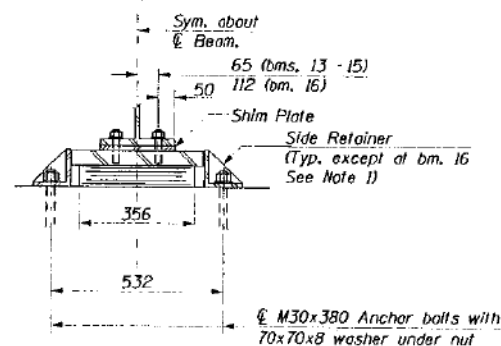
BEARING ASSEMBLY
(Looking West Bms. 13-15, Pier 8)



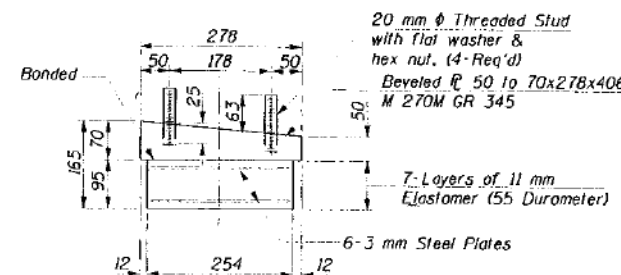
BEARING ASSEMBLY
(Bm. 16, Pier 8)



ELEVATION AT PIER 9
(Looking West)

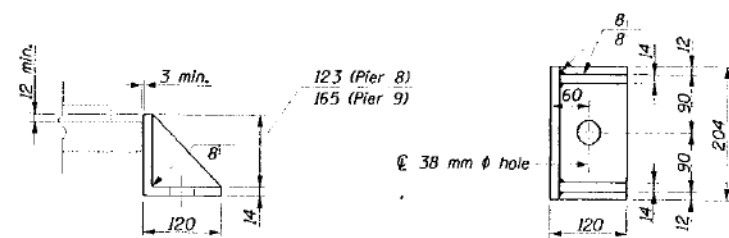


SECTION B-B



BEARING ASSEMBLY
(Looking West Pier 9)

TYPE I ELASTOMERIC EXP. BRG.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with furnishing and erecting structural steel.

DESIGNED	JJK
CHECKED	RAW
DRAWN	JJK
CHECKED	RAW

HNTB HNTB CORPORATION

08-JAN-1998 11:06 Jkim

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	8

NOTES:

- Omit side retainer on east side of bearing at beam 16 on Pier 8.
- All dimensions in millimeters (mm) unless otherwise noted.
- See Sheet S-39 for Anchor Bolt Installation.

ELASTOMERIC BEARING TYPE I
DETAILS RAMP "B" PIERS 8 & 9

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

11:21:40 AM
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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-037 OF AB-145 SHEETS

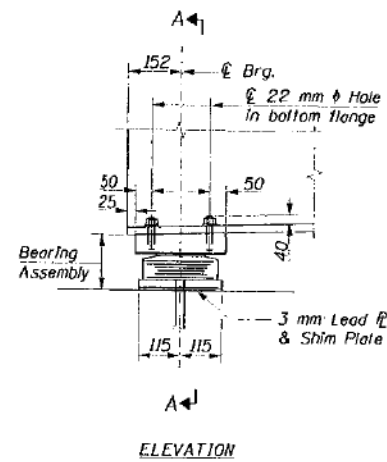
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	717
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

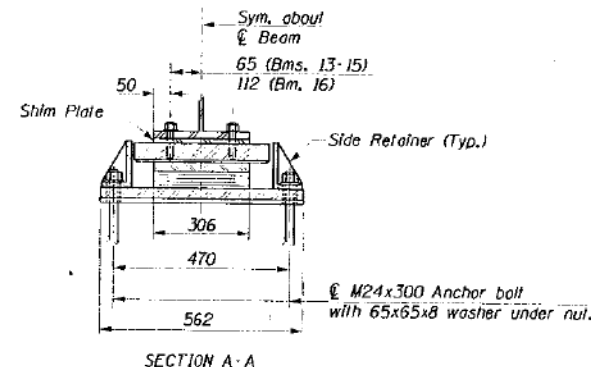
PROJECT NO.	SECTION	SHEETS	DATE	NO.	SHEET NO. 5-37
1421	*	COOK	148	56	
DATE PLOTTED: 08-JAN-1998 11:06	PLANNER	FOR NO. PROJECT			

* 0101-2-3B-R

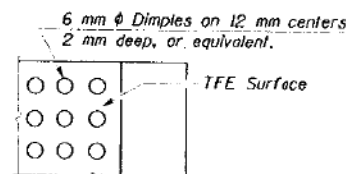


ELEVATION

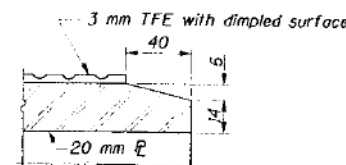
TYPE II ELASTOMERIC EXP. BRG.



SECTION A-A



PLAN-TFE SURFACE



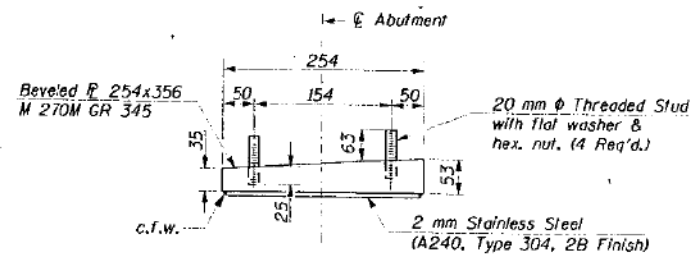
SECTION THRU TFE

Note: The 3 mm TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces. Bonding of 3 mm TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

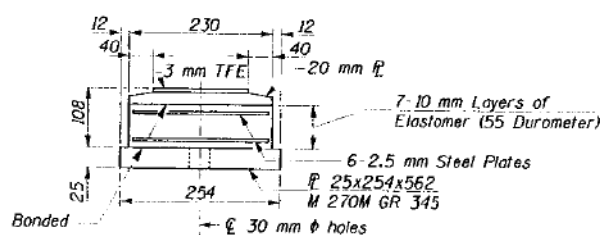
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DRAWN	JJK
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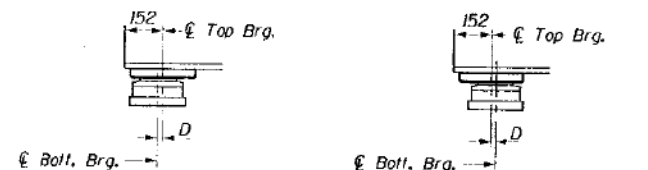
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TOP BEARING ASSEMBLY - TYPE II
Looking East



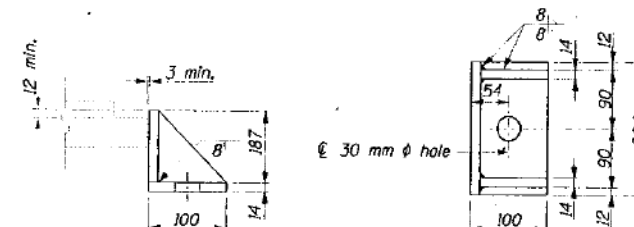
BOTTOM BEARING ASSEMBLY



BELOW 10 °C (Move bott. brg. away from fixed brg.)
ABOVE 10 °C (Move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

D = 1 mm per each 10 m of expansion for every 5 °C temp. change from the normal temp. of 10 °C.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Furnishing and Erecting Structural Steel.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	4

NOTES:

- All dimensions in millimeters (mm) unless otherwise noted.
- See sheet S-39 for Anchor Bolt installation.

ELASTOMERIC BEARING TYPE II
DETAILS-RAMP "B" ABUTMENT

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1-350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/91

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USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
	CHECKED - WJC	REVISED -
PLOT SCALE = NTS	DRAWN - JTF	REVISED -
PLOT DATE = 3/6/2020	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-038 OF AB-145 SHEETS

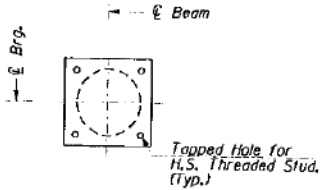
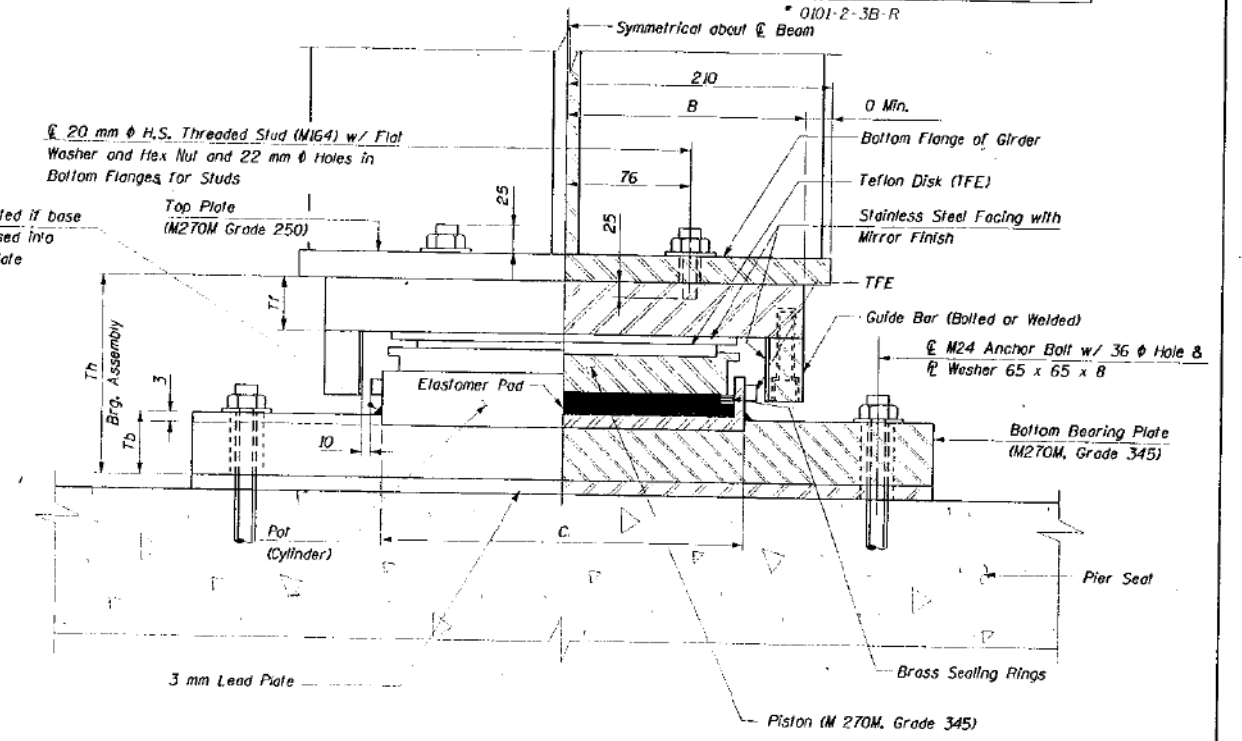
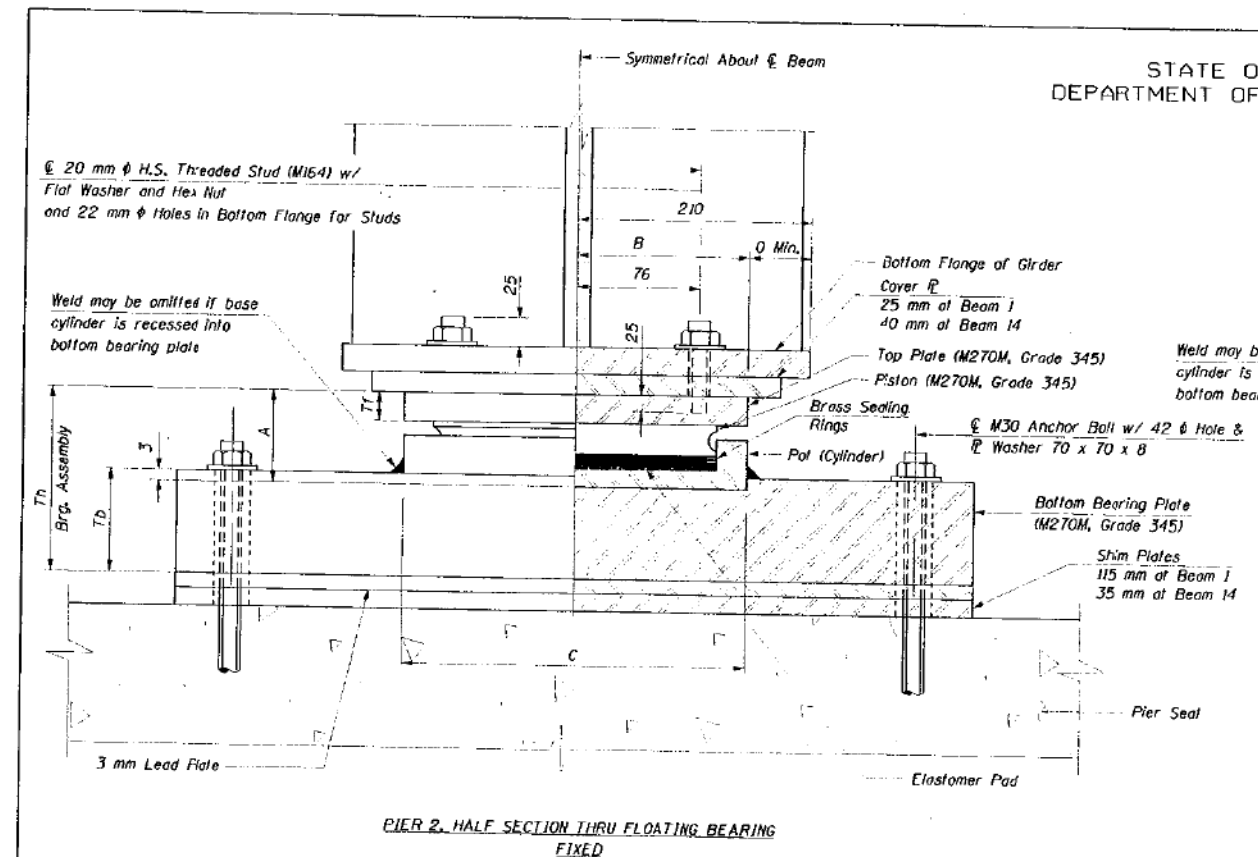
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	718
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

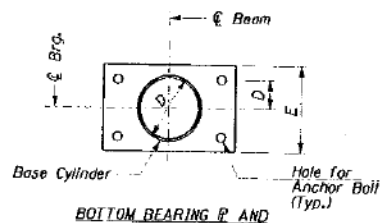
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
1421	COOK	148	57

SHEET NO. 5-38



TOP P - PISTON PLAN



BOTTOM BEARING P AND BASE CYLINDER PLAN

DESIGNED	ØJM
CHECKED	RAW
DRAWN	ØJM
CHECKED	RAP

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BEARING AND MASONRY PLATE DIMENSIONS

Fixed Bearings		A	Tt	Th	Tb	B	C	D	E
Pier No.	Beam No.								
2	1	83	22	133	53	173	350	158	446
2	14	81	19	135	57	149	300	146	422

Expansion Bearings		A	Tt	Th	Tb	B	C	D	E
Pier No.	Beam No.								
3	1	91	25	140	52	137	275	M6	422

POT BEARING DATA
(Loads in kN)

Pier No.	Beam No.	Total DL+LL	Maximum Lateral Load	Total Movement (mm)
2	1	1354	252	0
	14	1318	217	0
3	1	947	141	28

Maximum Sliding Coefficient Of Friction Shall Not Exceed 3%.

NOTES:

- Dimensions and details shown are for a specific manufacture's product. See Special Provisions regarding other manufacture's options. However, other options shall also use externally guided bearings with the pot on the bottom. Guided bearings using the center guided keyway system will not be accepted.
- The Contractor shall determine the exact size of bearings and location of anchor bolts based upon the bearing design parameters shown on this drawing and approved by the Engineer. Cost included with Floating Bearing Fixed and Floating Bearing Guided Expansion.
- Anchor bolts to be installed prior to forming and pouring concrete deck slab.
- The bearing should be blocked during the erection of structural steel. The Contractor should submit the erection procedure, for approval, to the Engineer.
- Two 3 mm adjustment shims shall be furnished for each bearing location.
- Dimensions shown are in millimeters (mm) unless otherwise noted.

BILL OF MATERIAL

Item	Unit	Total
Floating Bearings Fixed (1500 kN)	Each	2
Floating Bearings Guided Expansion (800 kN)	Each	1

**ADAMS STREET BRIDGE
POT BEARING DETAILS**

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421. SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-039 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	719
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

The Illinois Coil-Lock Anchor Bolt is a proprietary item which is the property of the Illinois Department of Transportation. Use, reproduction or disclosure without express written permission is prohibited and protected under Federal copyright laws. The production and fabrication of this bolt for use on highway projects in the State of Illinois shall be permitted and there shall be no incurred charges or fees to the manufacturer or the fabricator for producing or fabricating this bolt.

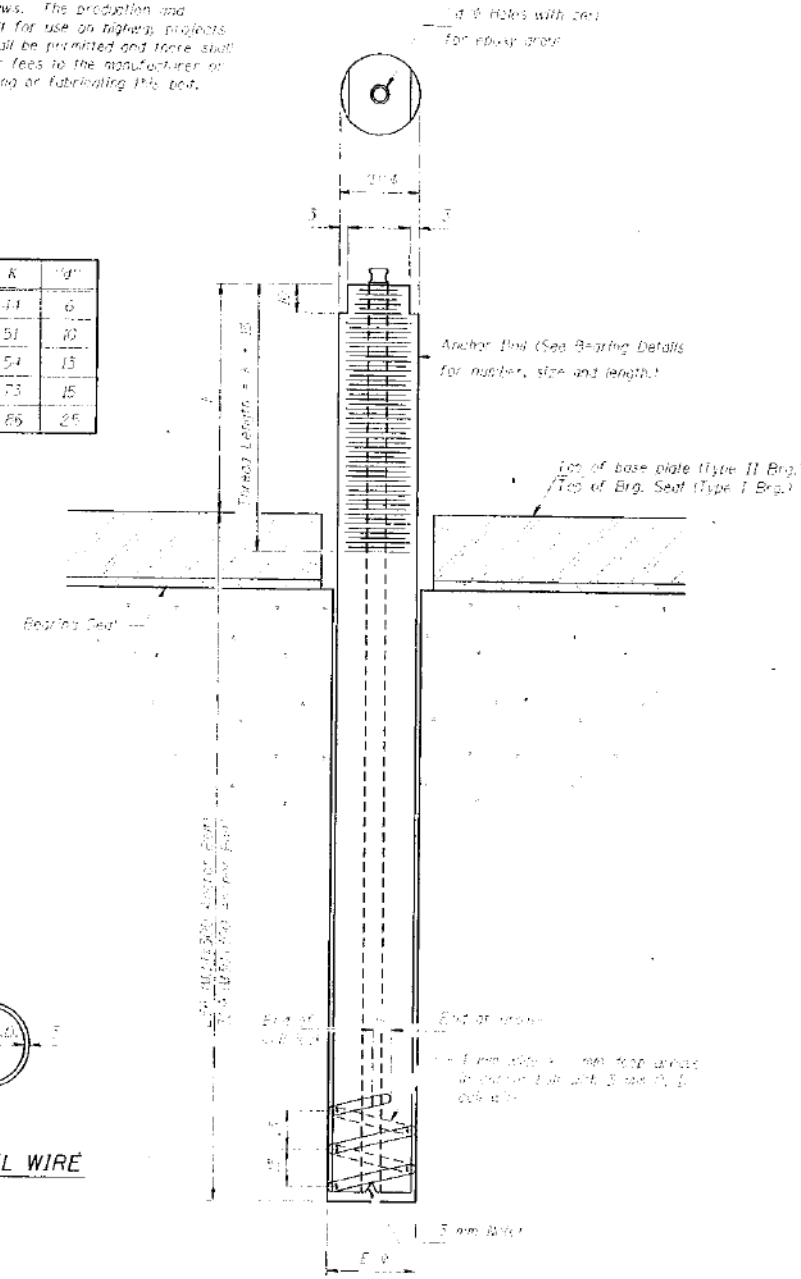
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

STATE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
1421		COOK	148	58

SHEET NO. 5-39

* 0101-2-38-R

D	E	H	R	"d"
24	27	20	11	6
30	33	26	11	10
36	39	32	11	13
48	51	44	11	15
64	67	60	11	25



MATERIALS FOR ILLINOIS COIL-LOCK ANCHOR BOLT

The anchor bolt shall be fabricated from hot drawn or hot finished seamless carbon steel mechanical tubing conforming to ASTM A 519, Grade 1025, CW and supplied with hexagonal nuts and cotter washers.
The coil wire shall be made of any suitable soft steel wire.
The finished anchor bolt shall be wrapped of rust and other foreign materials and wrapped or packaged to prevent contamination until they are installed.
The epoxy grout shall be a two component, epoxy resin bonding system conforming to ASTM C 881, Type I, Grade I and of a class suitable for the temperature of installation.

INSTALLATION PROCEDURE for the ILLINOIS COIL-LOCK ANCHOR BOLT

1. With the coil wire in place, the bolt shall be inserted into the hole and turned clockwise to a snug fit in the hole. Nut and washer shall be placed on the bolt. The nut shall be tensioned until the steel base plates are held securely to the concrete bearing seat.
2. Epoxy grout shall be pumped through the deck fitting with a pressure gun. Pumping shall continue until the epoxy overflows the hole around the bolt shaft. After pumping is discontinued, excess epoxy shall be immediately wiped off.

ALTERNATE ANCHOR BOLTS

The Contractor may, in lieu of this section, the capsule or the adhesive cartridge type anchor bolts that have been tested and given a rating approved by the Department. The contractor shall install these anchor bolts in pre-drilled holes according to the manufacturer's recommendations and procedures.
The capsule or the adhesive cartridge type anchor bolts shall be a two part system consisting of:
1. A threaded rod stud with nut and washer of the type specified.
2. A bonded glass capsule or a bonded glass adhesive cartridge containing the approved mixture of the adhesive chemical.

Location	Date
Adams St. Bridge, Cook County	11/13/94
Adams St. Bridge, Cook County	11/13/94
Adams St. Bridge, Cook County	11/13/94
Adams St. Bridge, Cook County	11/13/94
Adams St. Bridge, Cook County	11/13/94

DESIGNED	JJK
CHECKED	RAW
DRAWN	JJK
CHECKED	RAW

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ILLINOIS COIL-LOCK ANCHOR BOLT

ANCHOR BOLT DETAILS FOR BEARINGS

ADAMS STREET OVER I-90/94
 F.A.U. RTE. 1421, SEC. 0101-2-38-R
 COOK COUNTY
 STA. 1+350.04
 STR. NUM. 016-0589

Scale: None Date: 11/13/94

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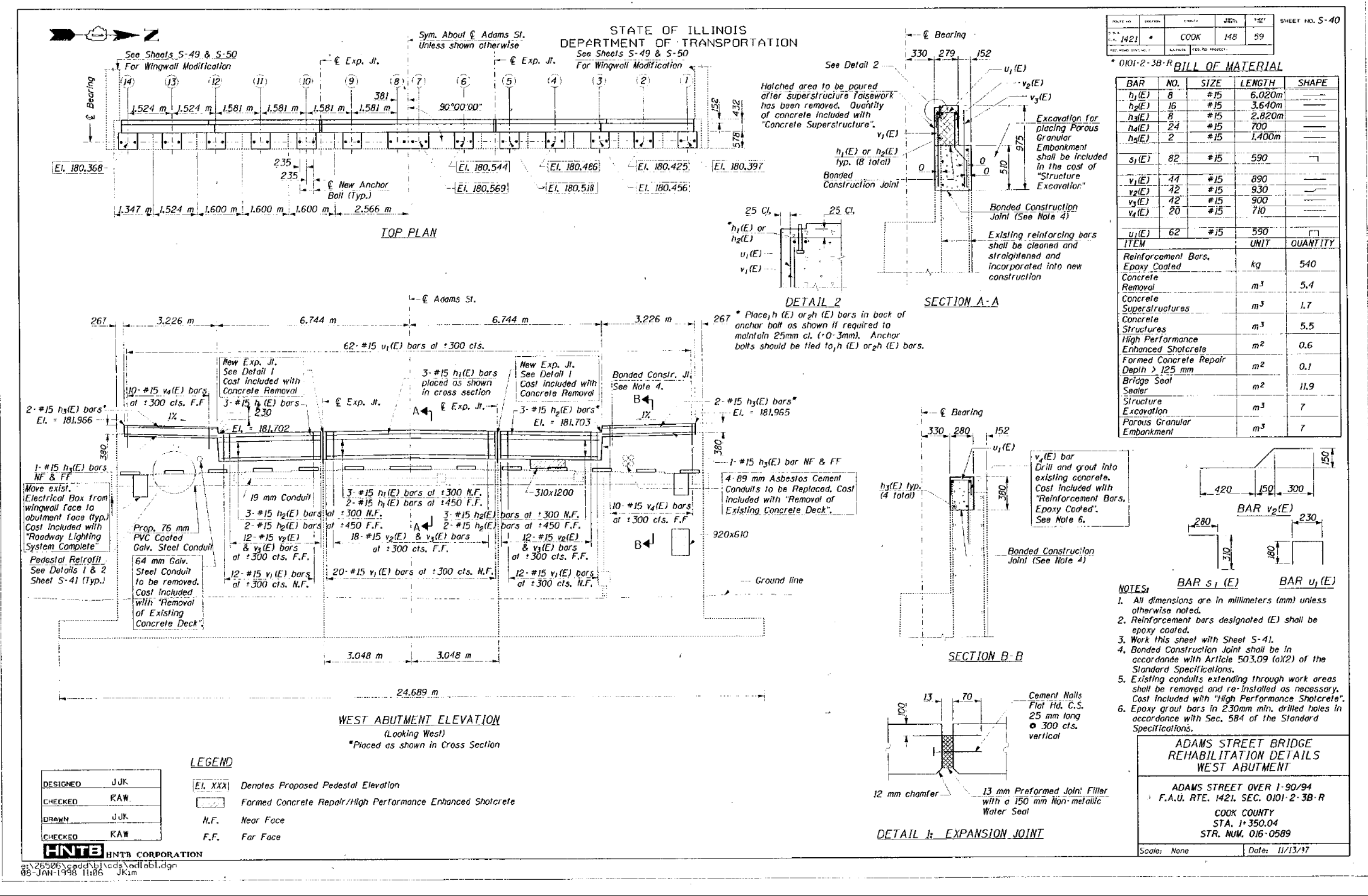
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-040 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	720
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



DATE	BY	CHKD	APPD	SHEET NO.
1/14/21	COOK	148	59	5-40

0101-2-38-R

BILL OF MATERIAL

BAR NO.	NO.	SIZE	LENGTH	SHAPE
$h_1(E)$	8	#15	6.020m	
$h_2(E)$	15	#15	3.640m	
$h_3(E)$	8	#15	2.820m	
$h_4(E)$	24	#15	700	
$h_5(E)$	2	#15	1.400m	
$s_1(E)$	82	#15	590	
$v_1(E)$	44	#15	890	
$v_2(E)$	42	#15	930	
$v_3(E)$	42	#15	900	
$v_4(E)$	20	#15	710	
$u_1(E)$	62	#15	590	

ITEM	UNIT	QUANTITY
Reinforcement Bars, Epoxy Coated	kg	540
Concrete Removal	m ³	5.4
Concrete Superstructures	m ³	1.7
Concrete Structures	m ³	5.5
High Performance Enhanced Shotcrete	m ²	0.6
Formed Concrete Repair Depth > 125 mm	m ²	0.1
Bridge Seal Sealer	m ²	11.9
Structure Excavation	m ³	7
Porous Granular Embankment	m ³	7

- NOTES:**
- All dimensions are in millimeters (mm) unless otherwise noted.
 - Reinforcement bars designated (E) shall be epoxy coated.
 - Work this sheet with Sheet S-41.
 - Bonded Construction Joint shall be in accordance with Article 503.09 (a)(2) of the Standard Specifications.
 - Existing conduits extending through work areas shall be removed and re-installed as necessary. Cost included with "High Performance Shotcrete".
 - Epoxy grout bars in 230mm min. drilled holes in accordance with Sec. 584 of the Standard Specifications.

**ADAMS STREET BRIDGE
REHABILITATION DETAILS
WEST ABUTMENT**

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-38-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

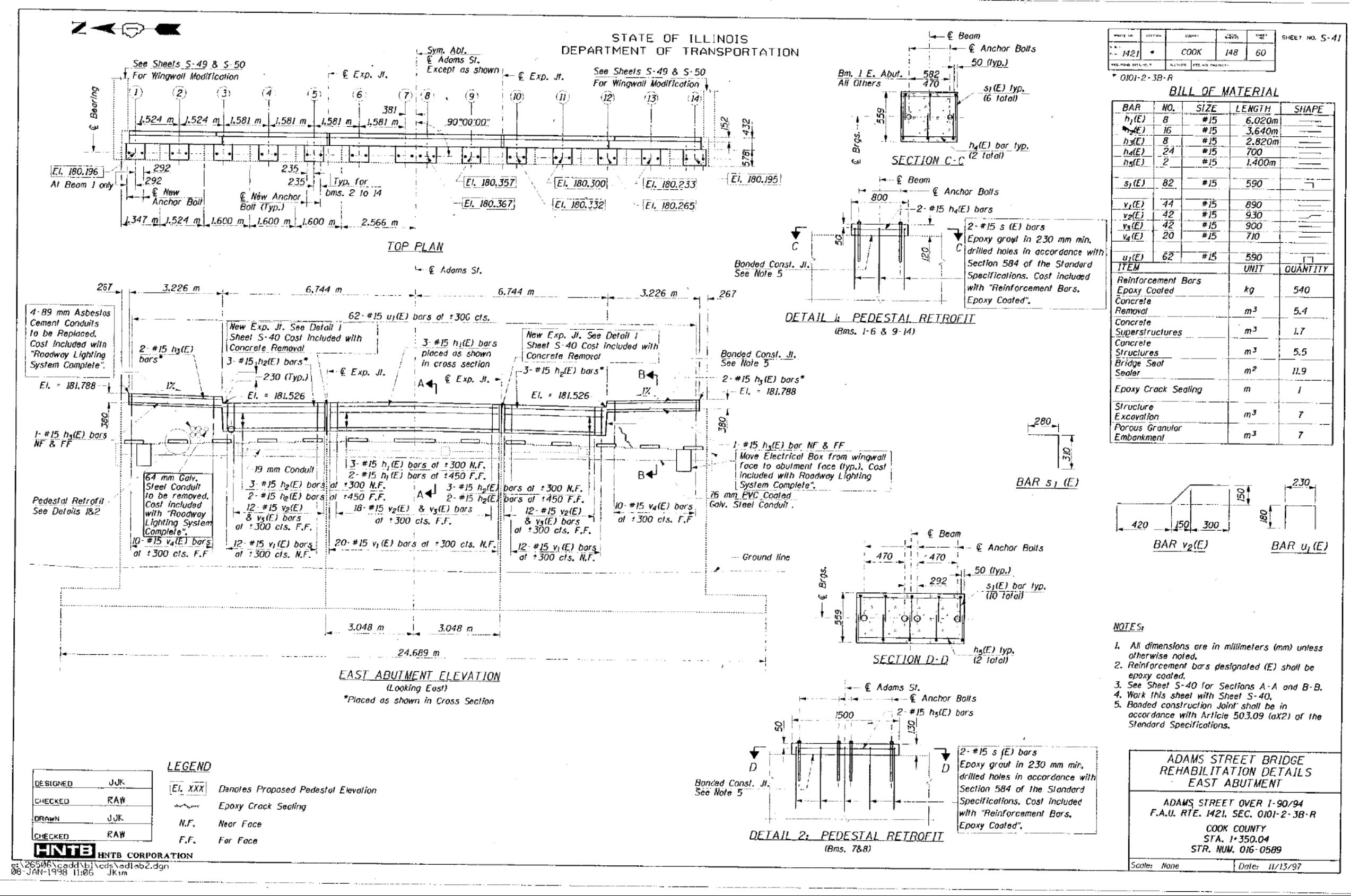
EXISTING RECORD DRAWINGS

SHEET NO. AB-041 OF AB-145 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	721

CONTRACT NO. 60X94
ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY



- NOTES:**
- All dimensions are in millimeters (mm) unless otherwise noted.
 - Reinforcement bars designated (E) shall be epoxy coated.
 - See Sheet S-40 for Sections A-A and B-B.
 - Work this sheet with Sheet S-40.
 - Bonded construction joint shall be in accordance with Article 503.09 (a)(2) of the Standard Specifications.

**ADAMS STREET BRIDGE
REHABILITATION DETAILS
EAST ABUTMENT**

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

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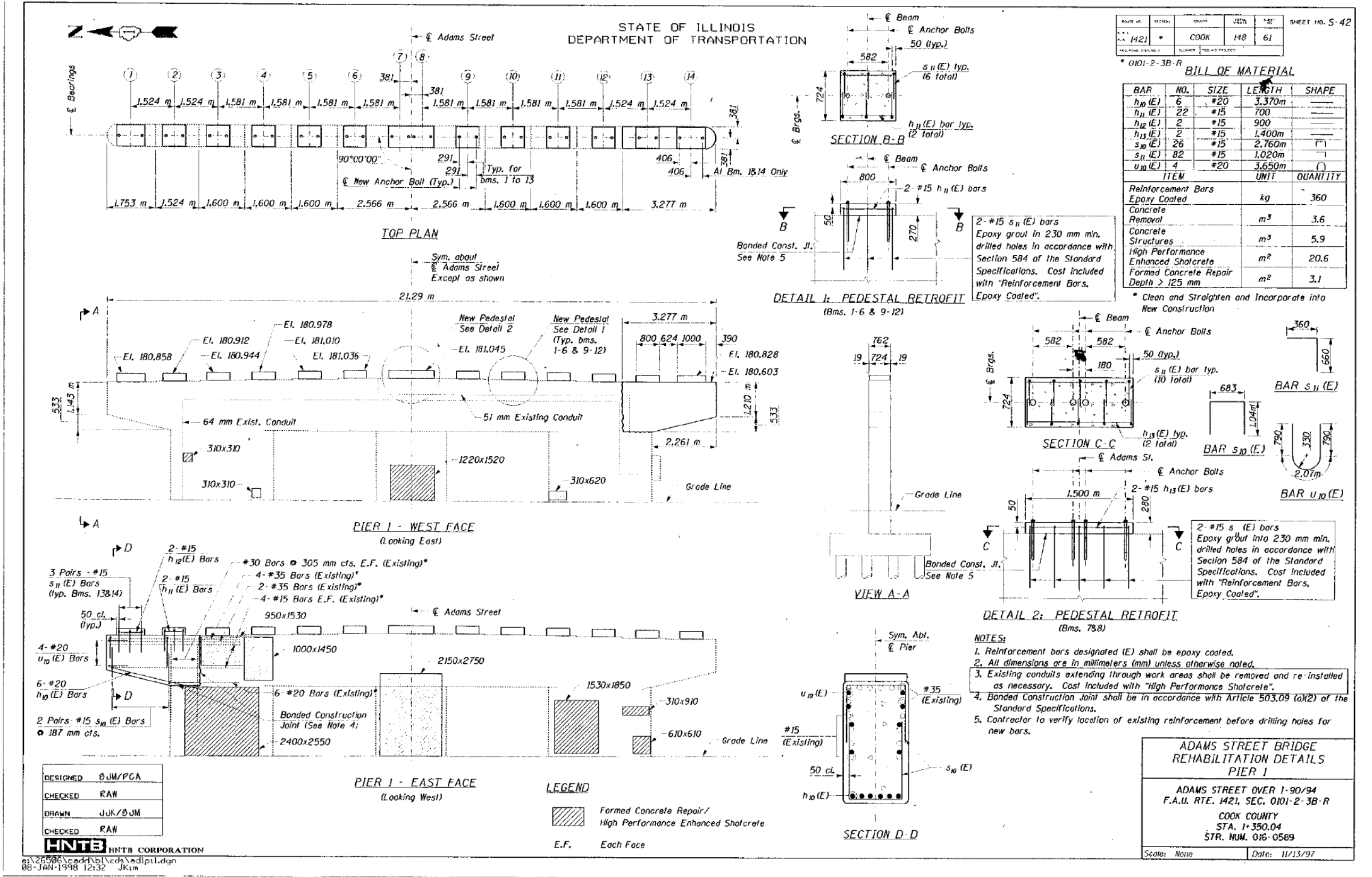
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
SHEET NO. AB-042 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	722
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



ROUTE NO.	SECTION	COUNT	SHEET	NO.	SHEET NO. S-42
1421		COOK	148	61	

0101-2-3B-R

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h_{10} (E)	6	#20	3,370m	
h_{11} (E)	22	#15	700	
h_{12} (E)	2	#15	900	
h_{13} (E)	2	#15	1,400m	
s_{10} (E)	26	#15	2,760m	
s_{11} (E)	82	#15	1,020m	
u_{10} (E)	4	#20	3,650m	

ITEM	UNIT	QUANTITY
Reinforcement Bars Epoxy Coated	kg	360
Concrete Removal	m ³	3.6
Concrete Structures	m ³	5.9
High Performance Enhanced Shotcrete	m ²	20.6
Formed Concrete Repair Depth > 125 mm	m ²	3.1

* Clean and Straighten and Incorporate into New Construction

DESIGNED	ØJM/PGA
CHECKED	RAW
DRAWN	JJK/ØJM
CHECKED	RAW

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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

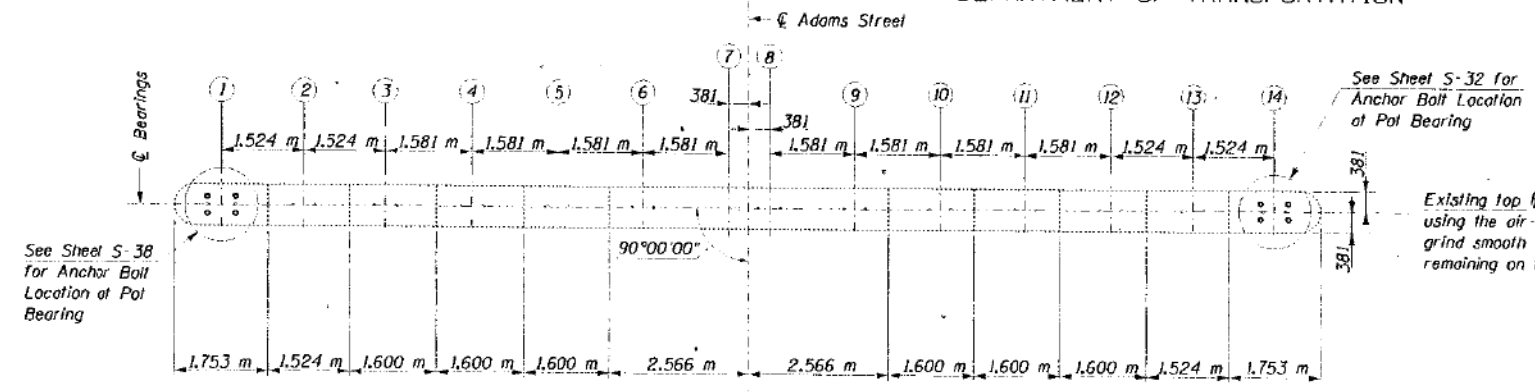
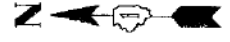
SHEET NO. AB-043 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

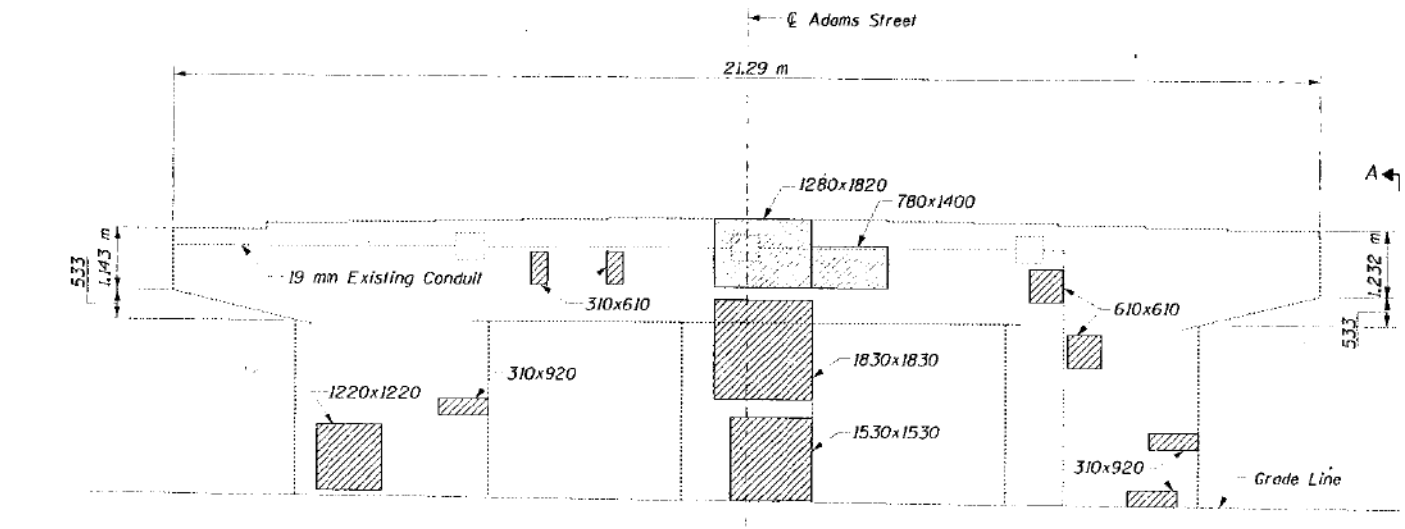
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DEPARTMENT OF TRANSPORTATION

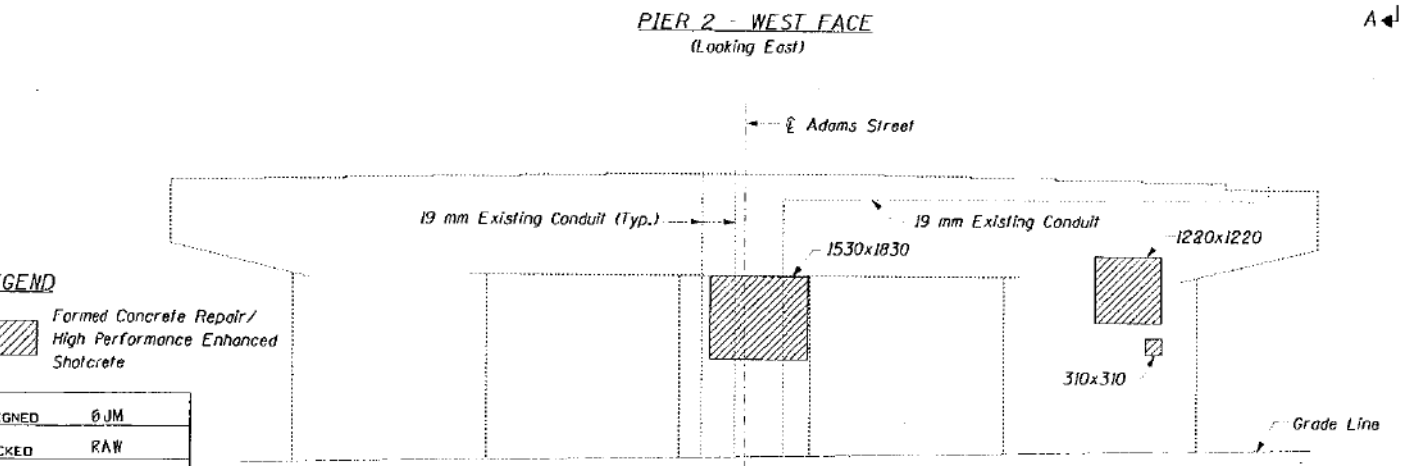
PROJECT NO.	SECTION	COUNTY	SHEET NO.
1421		COOK	148
SHEET NO. S-43			



TOP PLAN



PIER 2 - WEST FACE
(Looking East)



PIER 2 - EAST FACE
(Looking West)

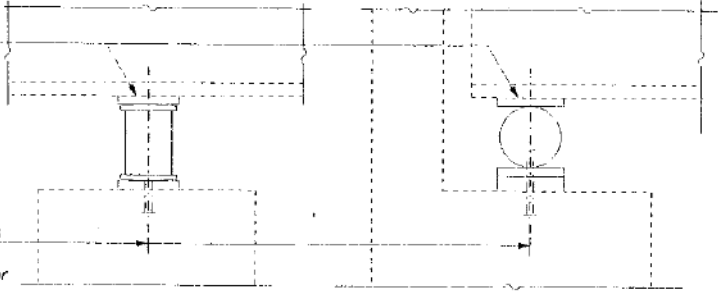
LEGEND
 Formed Concrete Repair/
High Performance Enhanced
Shotcrete

DESIGNED	BJM
CHECKED	RAW
DRAWN	JJK/BJM
CHECKED	RAW

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See Sheet S-32 for
Anchor Bolt Location
at Pier Bearing

Existing top P's to be removed
using the air-arc method and
grind smooth all weld material
remaining on the bottom flange.



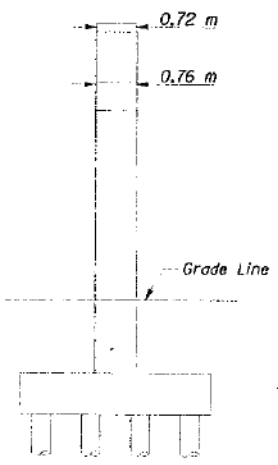
AT PIERS

AT ABUTMENTS

Burn the existing anchor bolts
flush with existing concrete
surface. Grind existing anchor
bolts smooth and seal with
epoxy. Cost is included with
"Jacking and Cribbing".

EXISTING BEARING REMOVAL DETAILS

- The contractor shall submit for approval by the Engineer, plans for jacking prior to commencing any work at the bearings.
- Jacking and removing existing bearings shall be done after existing deck removal is completed and before a new deck is poured. Cost included with "Jacking and Cribbing".
- Jacking shall be limited to a maximum of 3 mm transversely between adjacent beams and 6 mm longitudinally between adjacent supports to remove and install new bearings.
- For maximum dead load reactions with deck removed see Sheet S-27.
- The new bearings and steel extensions shall be in place and the jacks shall be lowered before the new concrete deck is poured.



VIEW A-A

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
High Performance Enhanced Shotcrete	m ²	16.6
Formed Concrete Repair Depth > 125 mm	m ²	2.5

NOTES:

- Reinforcement bars designated (E) shall be epoxy coated.
- All dimensions are in millimeters (mm) unless otherwise noted.
- Work this sheet with Sheet S-38.
- Existing conduits extending through work areas shall be removed and re-installed as necessary. Cost included with "High Performance Shotcrete".

ADAMS STREET BRIDGE
REHABILITATION DETAILS
PIER 2

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589
Scale: None Date: 11/13/97

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	CHECKED - WJC	REVISED -
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PLOT DATE = 3/6/2020	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-044 OF AB-145 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	724
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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DEPARTMENT OF TRANSPORTATION

SHEET NO. S-44	DATE: 11/13/97	DRAWN BY: JJK	CHECKED BY: RAW	DESIGNED BY: ØJM/PGA
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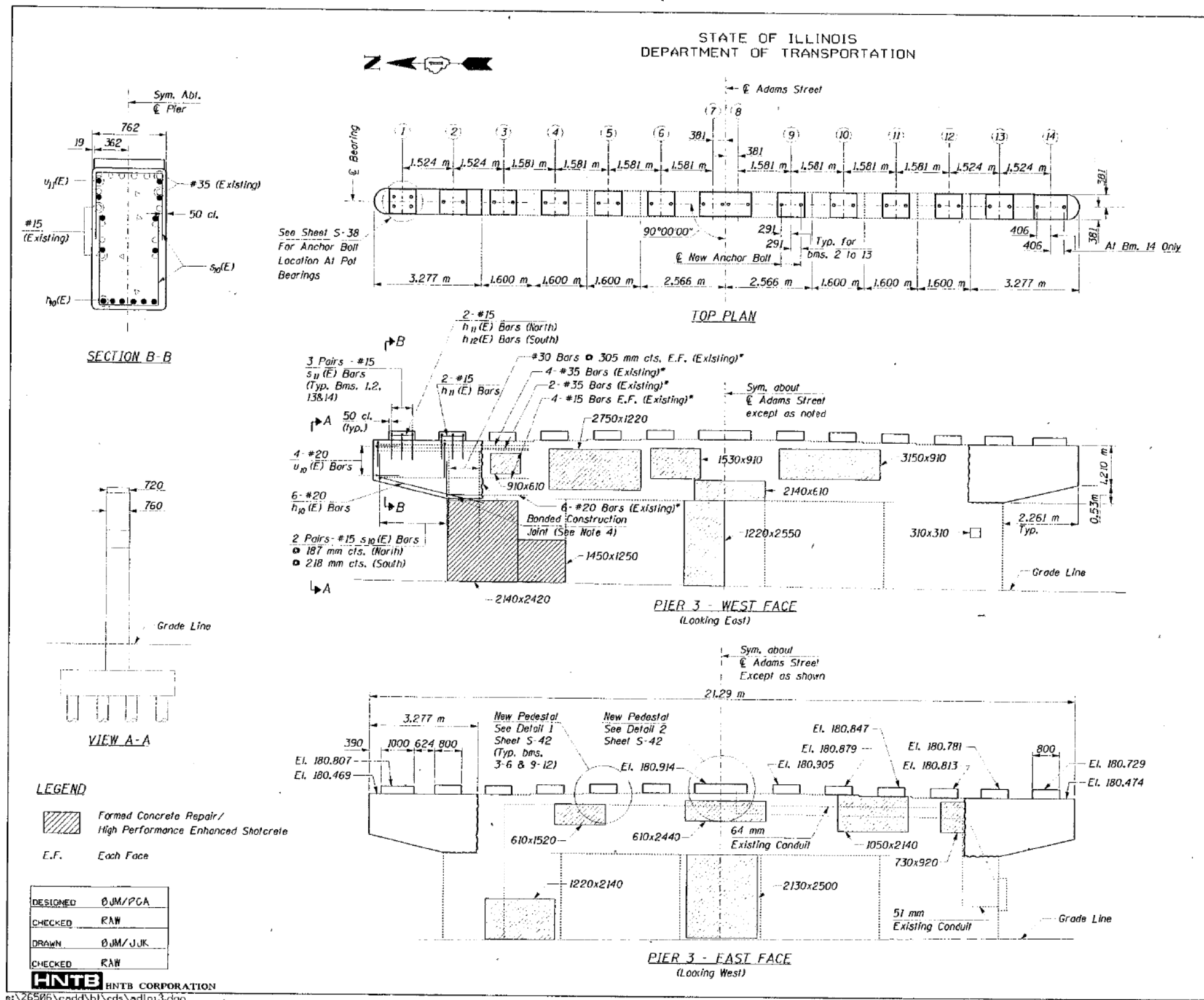
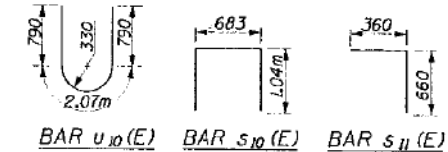
* 0101-2-38-R

BILL OF MATERIAL

BAR NO.	SIZE	LENGTH	SHAPE
h ₁₀ (E)	#20	3.370m	—
h ₁₁ (E)	#15	700	—
h ₁₂ (E)	#15	900	—
h ₁₃ (E)	#15	1,400m	—
s ₁₀ (E)	#15	2.760m	—
s ₁₁ (E)	#15	1.020m	—
u ₁₀ (E)	#20	3.650m	—

ITEM	UNIT	QUANTITY
Reinforcement Bars Epoxy Coated	kg	550
Concrete Removal	m ³	7.2
Concrete Structures	m ³	9.6
High Performance Enhanced Shotcrete	m ²	33.0
Formed Concrete Repair Depth > 125 mm	m ²	5.0

* Clean and Straighten and Incorporate into New Construction



LEGEND

Formed Concrete Repair / High Performance Enhanced Shotcrete

E.F. Each Face

DESIGNED	ØJM/PGA
CHECKED	RAW
DRAWN	ØJM/JJK
CHECKED	RAW

HNTB HNTB CORPORATION
08-JAN-1998 12:32 JJK

- NOTES:**
- Reinforcement bars designated (E) shall be epoxy coated.
 - All dimensions are in millimeters (mm) unless otherwise noted.
 - Existing conduits extending through work areas shall be removed and re-installed as necessary. Cast included with "High Performance Shotcrete".
 - Bonded Construction Joint shall be in accordance with Article 503.09 (a)(2) of the Standard Specifications.

**ADAMS STREET BRIDGE
REHABILITATION DETAILS
PIER 3**

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-38-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

11/22/48 AM D:\60X94-SHT-AS-BUILT-045.dgn



USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
SHEET NO. AB-045 OF AB-145 SHEETS

F.A.I. RTE. 90/94	SECTION 2014-015R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 725
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
1421	COOK	148	64	64

SHEET NO. S-45

* 0101-2-3B-R

BILL OF MATERIAL

BAR NO.	SIZE	LENGTH	SHAPE
h ₂₀ (E)	#25	5.780m	—
h ₂₁ (E)	#25	5.760m	—
n ₂₀ (E)	#15	610	—
p ₂₀ (E)	#35	6.680m	—
p ₂₁ (E)	#35	5.000m	—
s ₂₀ (E)	#15	4.160m	□
s ₂₁ (E)	#15	2.960m	□
s ₂₂ (E)	#15	1.550m	□
s ₂₃ (E)	#15	1.750m	□
s ₂₄ (E)	#15	1.950m	□
u ₂₀ (E)	#15	1.460m	—
v ₂₀ (E)	#35	4.460m	—

ITEM	UNIT	QUANTITY
Reinforcement Bars Epoxy Coated	kg	2170
Concrete Removal	m ³	8.6
Concrete Structures	m ³	10.1
Mechanical Splice	Each	12

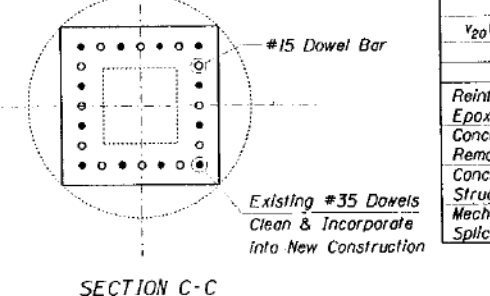
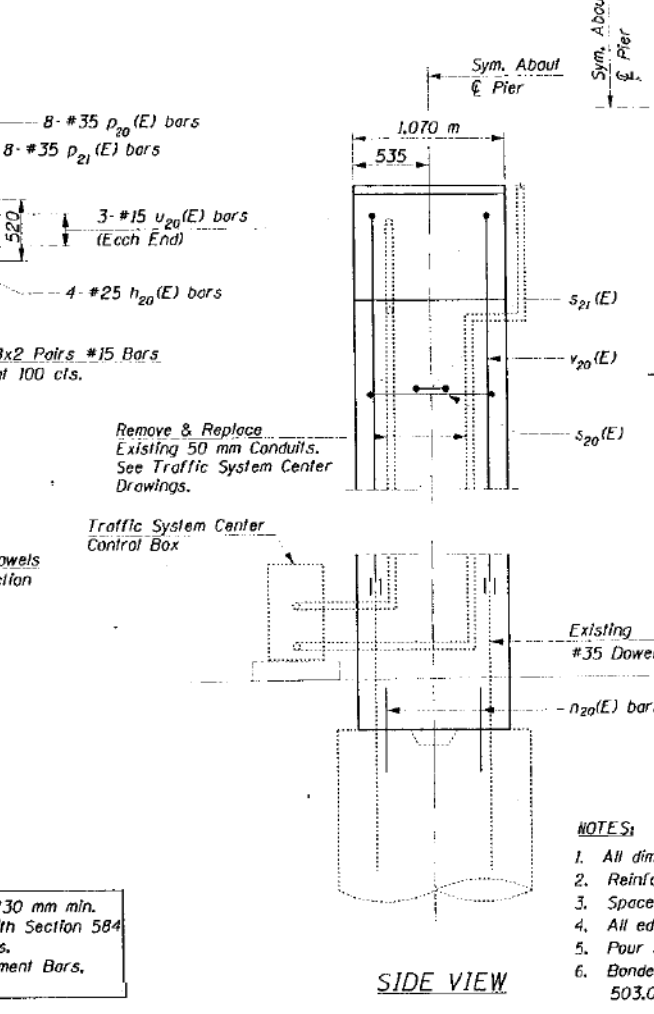
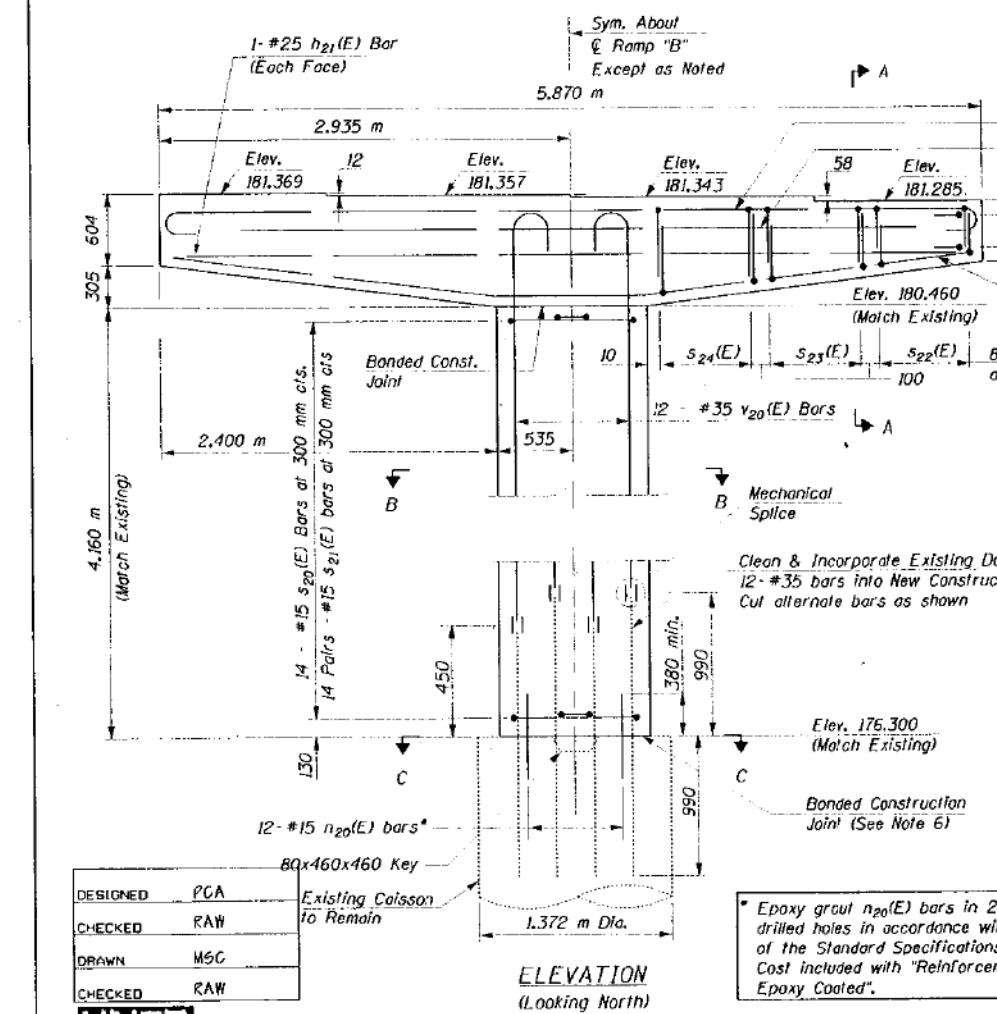
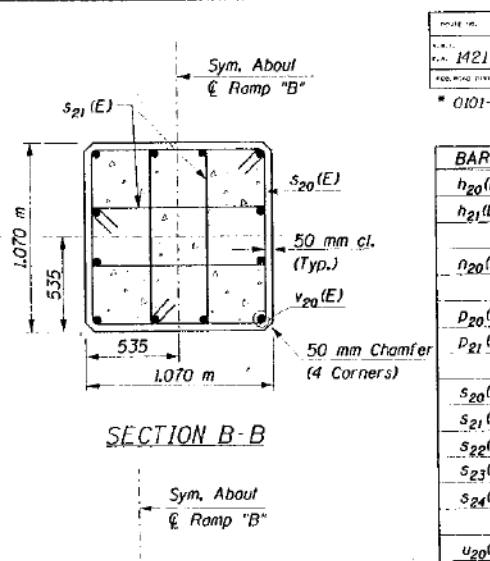
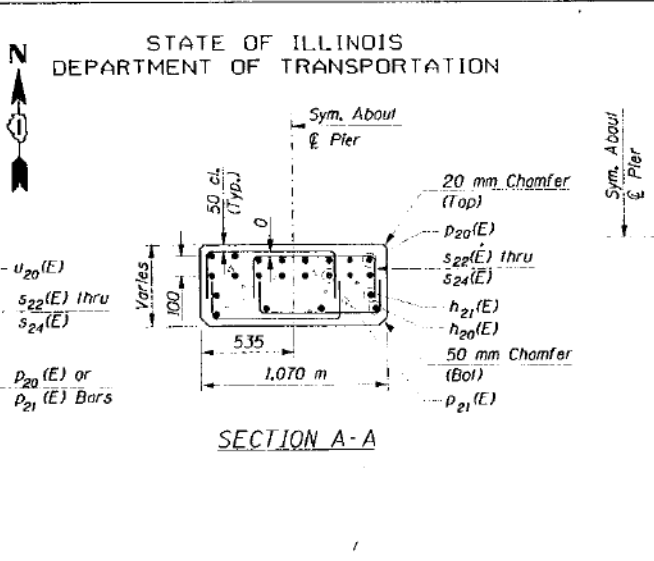
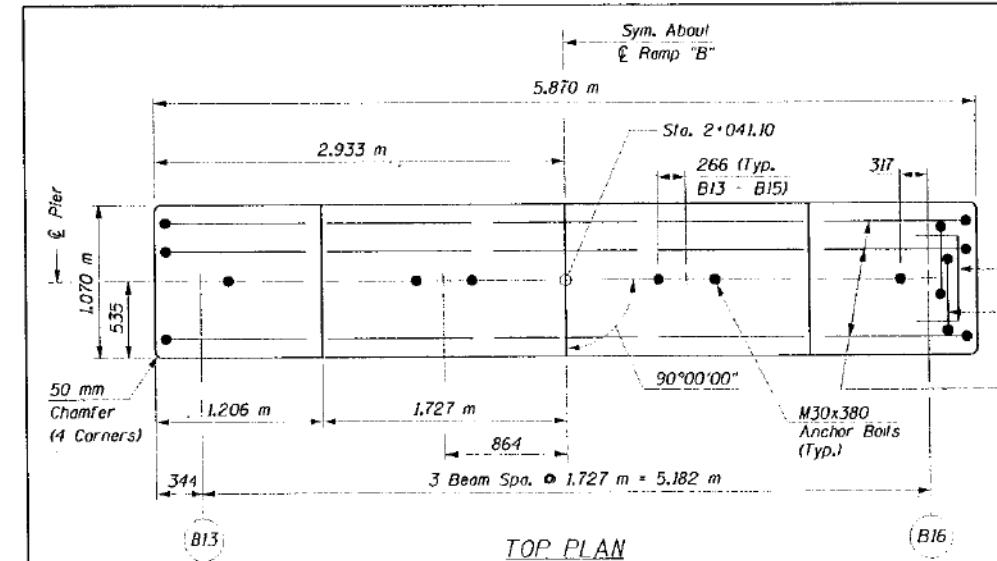
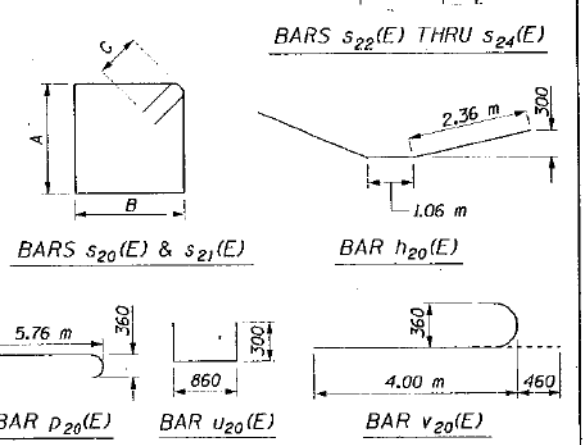


TABLE OF BAR DIMENSIONS

BAR	A	B	C
s ₂₀ (E)	970	970	140
s ₂₁ (E)	970	370	140
s ₂₂ (E)	710	420	...
s ₂₃ (E)	710	520	...
s ₂₄ (E)	710	620	...



- NOTES:**
- All dimensions are in millimeters (mm) unless otherwise noted.
 - Reinforcement bars designated (E) shall be epoxy coated.
 - Space reinforcement in cap to miss anchor bolts.
 - All edges shall have standard 20 mm chamfers except as noted.
 - Pour steps monolithically with cap.
 - Bonded Construction joint shall be in accordance with Article 503.09 (a)(2) of the Standard Specifications.

RECONSTRUCTION RAMP "B" PIER 8

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

DESIGNED	PCA
CHECKED	RAW
DRAWN	MSC
CHECKED	RAW

HNTB HNTB CORPORATION

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08-JAN-1998 12:32 JK:m

11:22:57 AM
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USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

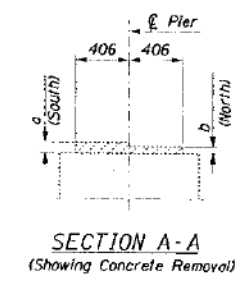
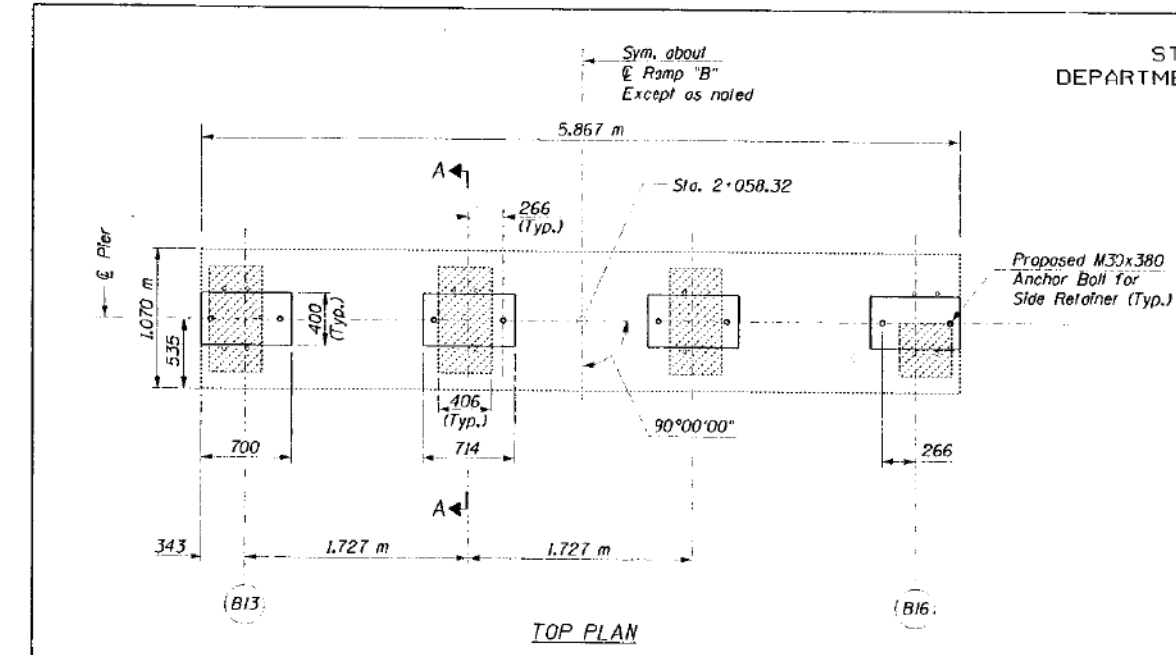
SHEET NO. AB-046 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	726
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

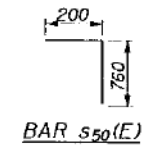
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. S-46								
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POLY. NO.	REVISED	DATE	BY					
1421	*	COOK	148 65					
* 0101-2-3B-R								



Existing Pedestal Dimensions

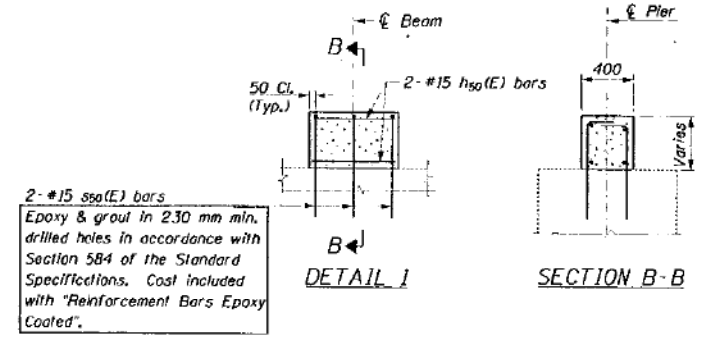
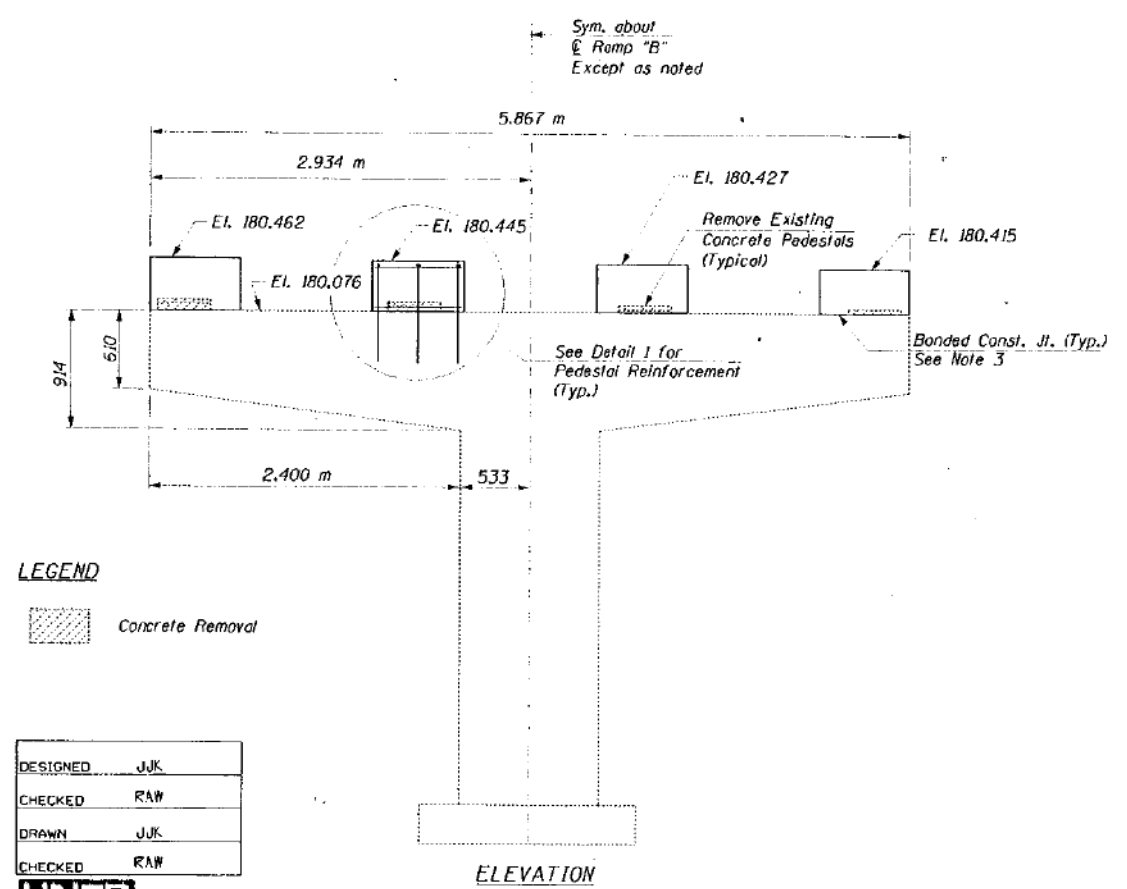
Beam	a	b
B13	85	52
B14	70	37
B15	52	18
B16	34	--



BILL OF MATERIAL

BAR NO.	SIZE	LENGTH	SHAPE
h50(E) 15	#15	610	—
s50(E) 24	#15	960	—

ITEM	UNIT	QUANTITY
Reinforcement Bars Epoxy Coated	kg	60
Concrete Removal	m ³	0.1
Concrete Structures	m ³	0.5



LEGEND

Concrete Removal

DESIGNED	JJK
CHECKED	RAW
DRAWN	JJK
CHECKED	RAW

HNTB HNTB CORPORATION
 08-JAN-1998 12:33 JJK

- NOTES:**
1. All dimensions are in millimeters (mm) unless otherwise noted.
 2. Reinforcement bars designated (E) shall be epoxy coated.
 3. Bonded construction joint shall be in accordance with Article 503.09 (a)(2) of the Standard Specifications.
 4. All edges shall have standard 20mm chamfer, except as noted.

REHABILITATION RAMP "B"
PIER 9

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS

SHEET NO. AB-047 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	727
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

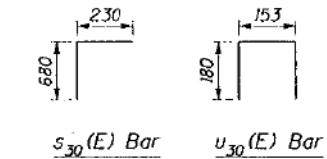
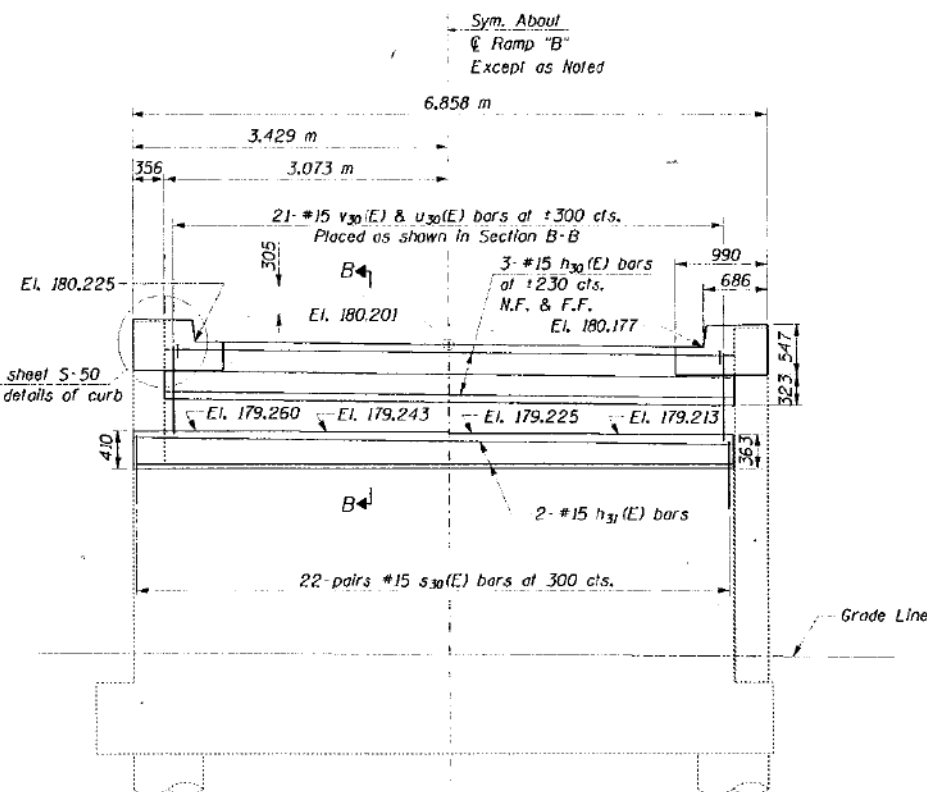
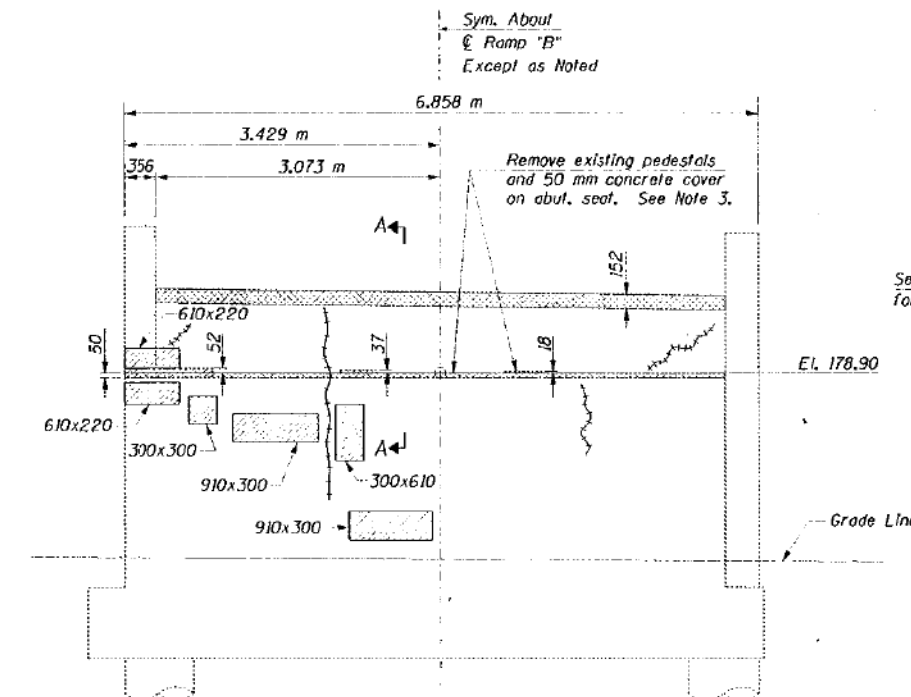
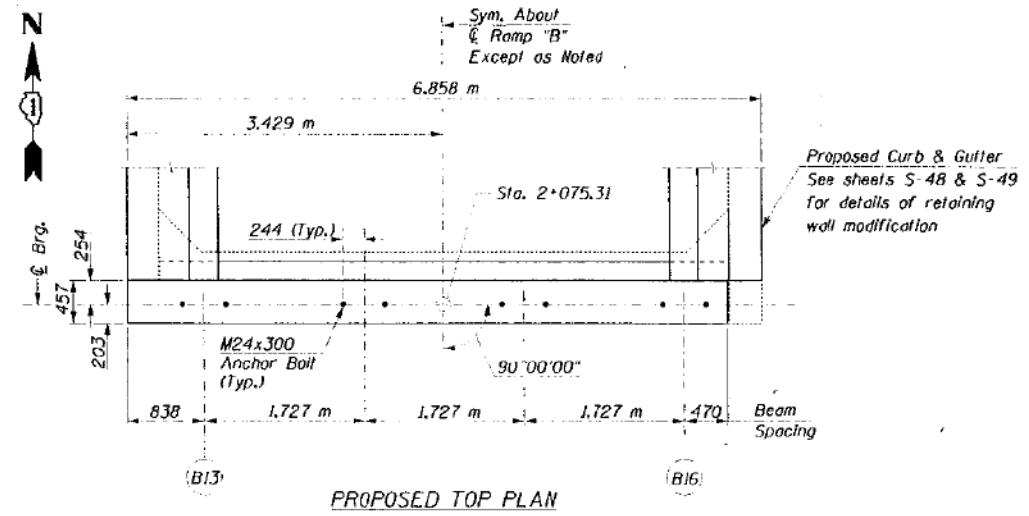
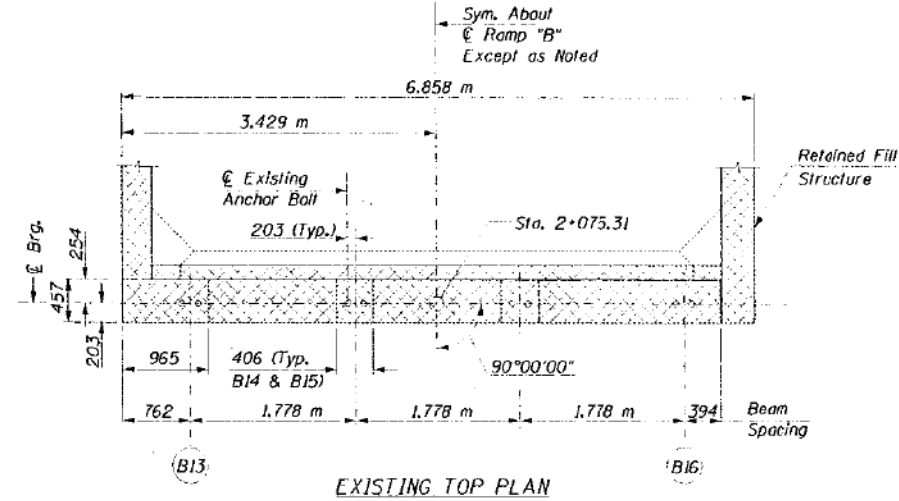
PROJECT NO.	SECTION	COUNTY	SHEET NO.	DATE
1421	*	COOK	148	66

* 0101-2-3B-R

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
$h_{30}(E)$	6	#15	6,050 m	---
$h_{31}(E)$	4	#15	6,300 m	---
$s_{30}(E)$	44	#15	910	┌
$u_{30}(E)$	21	#15	510	└
$v_{30}(E)$	63	#15	950	---

ITEM	UNIT	QUANTITY
Reinforcement Bars Epoxy Coated	kg	280
Concrete Removal	m ³	0.3
Concrete Structures	m ³	1.1
Concrete Superstructures	m ³	0.8
Bridge Seat Sealer	m ²	2.8
High Performance Enhanced Shotcrete	m ²	1.1
Formed Concrete Repair Depth > 125 mm	m ²	0.2
Epoxy Crack Sealing	m	4.3



NOTES:

- All dimensions are in millimeters (mm) unless otherwise noted.
- Reinforcement bars designated (E) shall be epoxy coated.
- Remove 50 mm cover to expose existing reinforcement and verify locations of $s_{30}(E)$ bars to clear existing reinforcement. Replace concrete using bonded construction joint in accordance with Article 503.09 (a)(2) of the Standard Specifications.
- Work this sheet with sheet S-48
- All edges shall have 20mm chamfers, except as noted.

DESIGNED	JJK
CHECKED	RAW
DRAWN	JJK
CHECKED	RAW

EXISTING ABUTMENT ELEVATION (Showing Repair and Removal Areas)

LEGEND

- Concrete Removal
- Formed Concrete Repair/High Performance Enhanced Shotcrete
- Epoxy Crack Sealing

PROPOSED ABUTMENT ELEVATION

REHABILITATION RAMP "B" ABUTMENT

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-048 OF AB-145 SHEETS

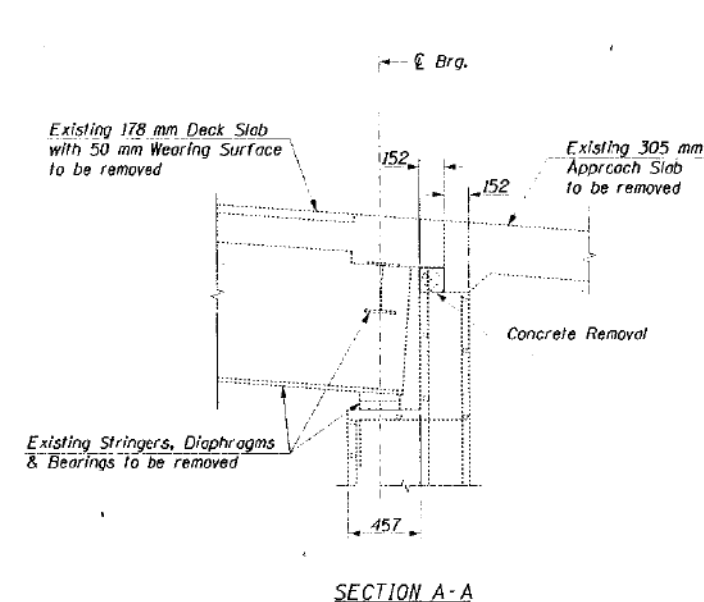
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	728
CONTRACT NO.			60X94	

ILLINOIS FED. AID PROJECT

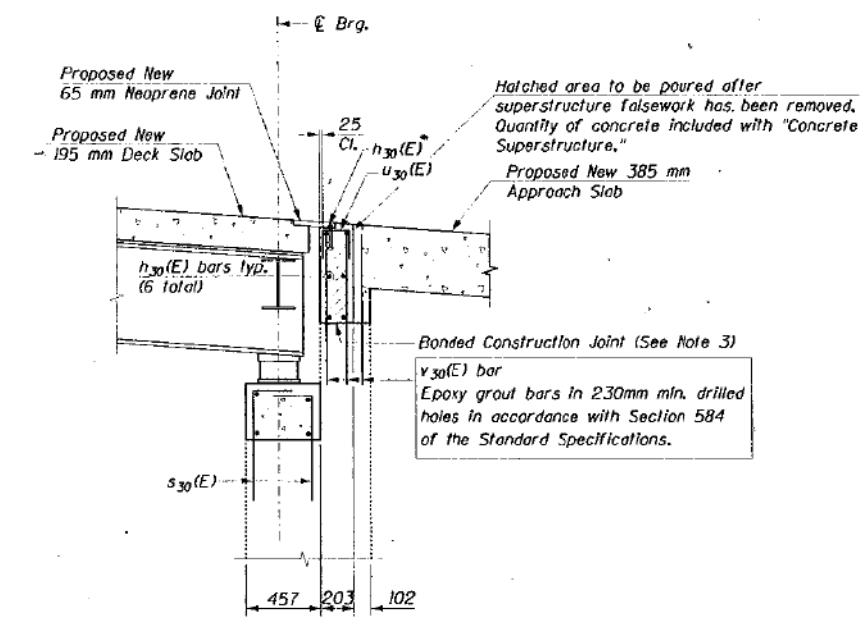
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1421	*	COOK	148	67
* 0101-2-3B-R				



SECTION A-A



SECTION B-B

*Note: Place $h_{30}(E)$ bars in back of anchor bolt as shown if required to maintain 25mm cl. (+0-3mm). Anchor bolts should be tied to $h_{30}(E)$ bars.

NOTES:

1. Work this sheet with sheet S-47.

DESIGNED	JJK
CHECKED	RAW
DRAWN	JJK
CHECKED	RAW

HNTB HNTB CORPORATION

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08-JAN-1998 12:33 JJK

REHABILITATION RAMP "B" ABUTMENT	
ADAMS STREET OVER I-90/94 F.A.U. RTE. 1421, SEC. 0101-2-3B-R COOK COUNTY STA. 1+350.04 STR. NUM. 016-0589	
Scale: None	Date: 11/13/97

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	CHECKED - WJC	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

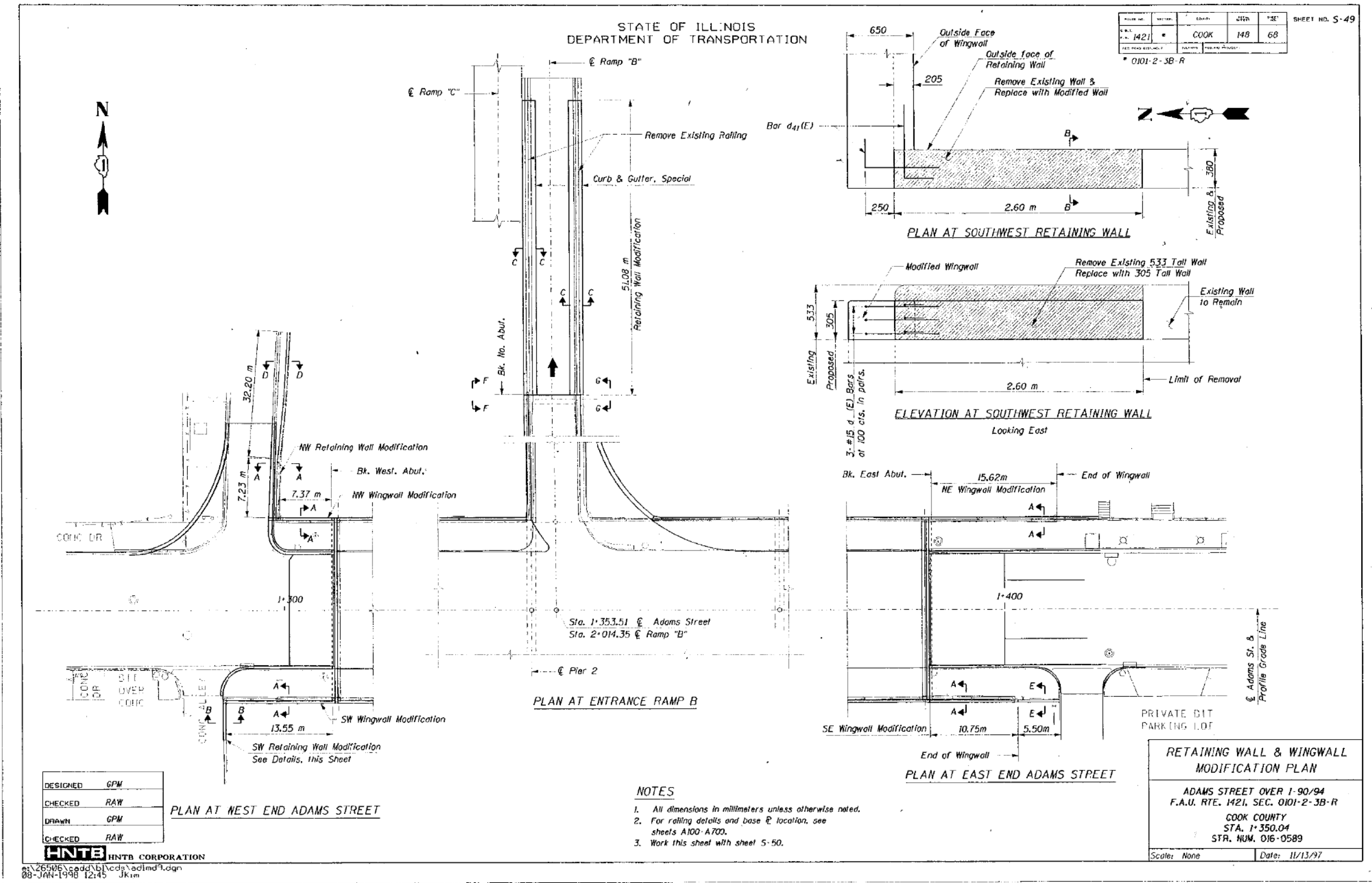
EXISTING RECORD DRAWINGS

SHEET NO. AB-049 OF AB-145 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	729
CONTRACT NO.				60X94

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

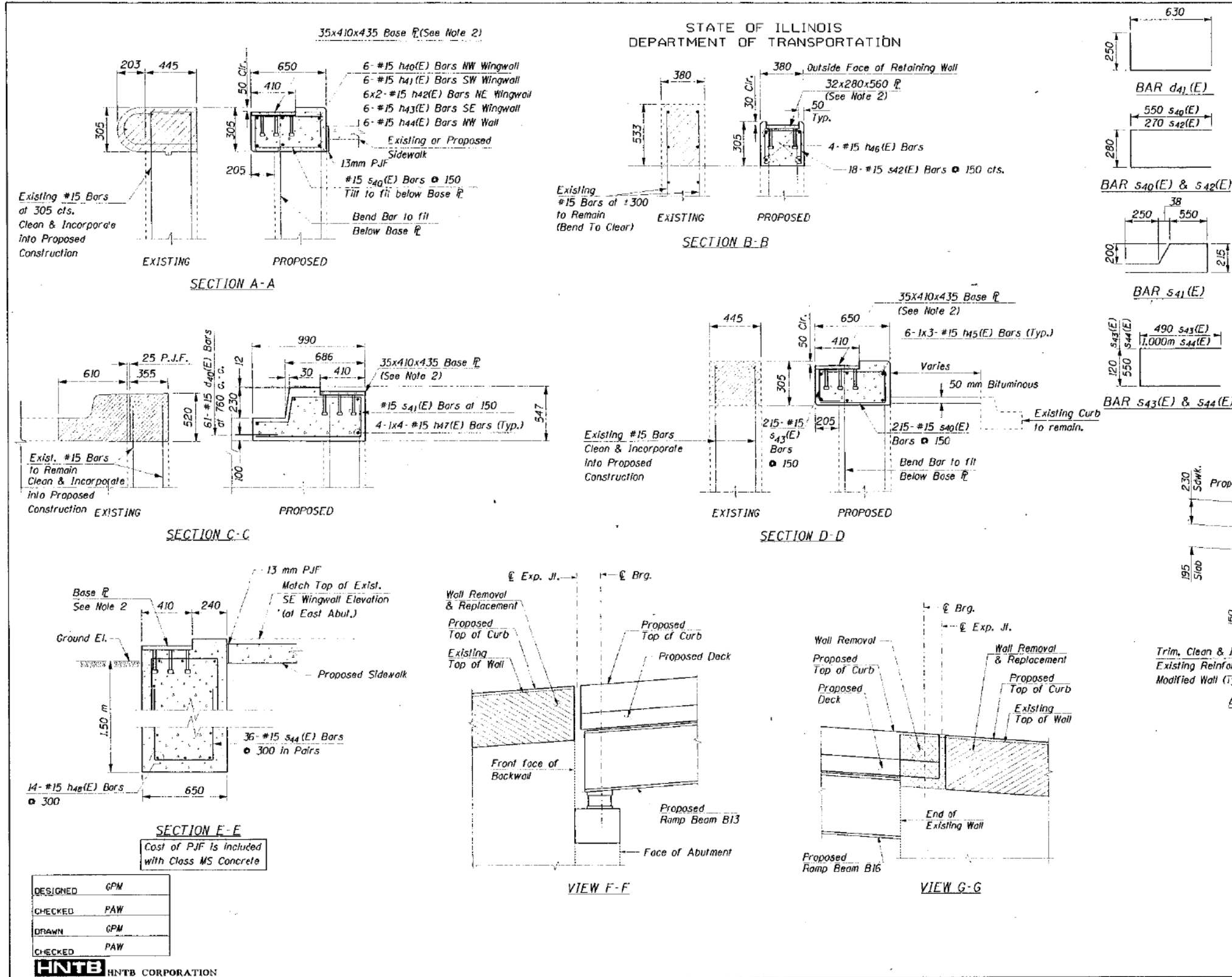
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F.A.I. RTE. 90/94	SECTION 2014-015R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 730
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

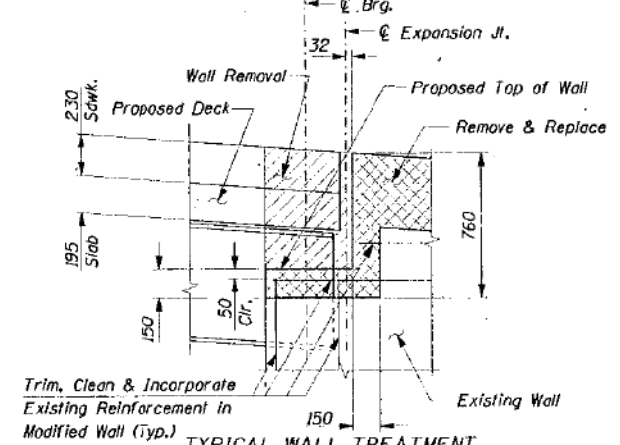
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLATE NO.	SECTION	QUANTITY	DATE	NO.	SHEET NO. S-50
1421	*	COOK	148	69	



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
d40(E)	122	#15	460	
d41(E)	6	#15	880	
h40(E)	6	#15	7,270m	
h41(E)	6	#15	13,450m	
h42(E)	12	#15	8,080m	
h43(E)	6	#15	10,650m	
h44(E)	6	#15	7,130m	
h45(E)	18	#15	11,070m	
h46(E)	4	#15	2,500m	
h47(E)	32	#15	12,000m	
h48(E)	14	#15	5,400m	
s40(E)	579	#15	1,380m	
s41(E)	614	#15	2,060m	
s42(E)	18	#15	820	
s43(E)	215	#15	1,100m	
s44(E)	36	#15	2,550m	
ITEM	UNIT	QUANTITY		
Reinforcement Bars Epoxy Coated	kg	5440		
Concrete Removal	m ³	47.0		
Concrete Structures	m ³	55.7		



- TYPICAL WALL TREATMENT AT ADAMS ST. BRIDGE ABUTMENTS**
- NOTES**
- All dimensions in millimeters unless otherwise noted.
 - For railing details and base R location, see sheets A100-A700.
 - Work this sheet with sheet S-49.
 - All chamfers 20 unless otherwise noted.
 - Bars Indicated thus: 1x2-#15 etc. Indicates 1 line of bars with 2 lengths per line.
 - Min. Lap for #15 bar is 64.0
 - Min. cover for reinforcement is 50.

RETAINING WALL & WINGWALL MODIFICATION & DETAILS

ADAMS STREET OVER I-90/94
 F.A.U. RTE. 1421, SEC. 0101-2-3B-R
 COOK COUNTY
 STA. 1-350.04
 STR. NUM. 016-0589

Scale: None Date: 11/13/91

DESIGNED	GPM
CHECKED	PAW
DRAWN	GPM
CHECKED	PAW

HNTB HNTB CORPORATION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

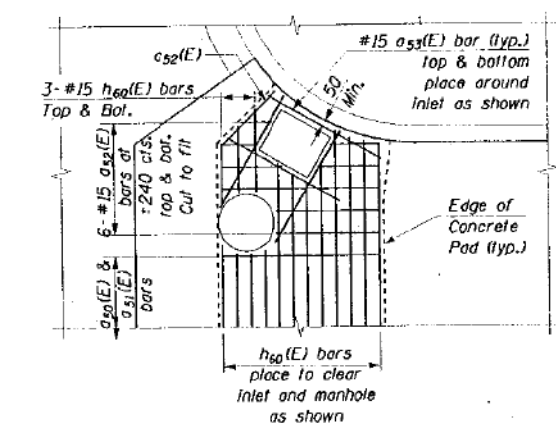
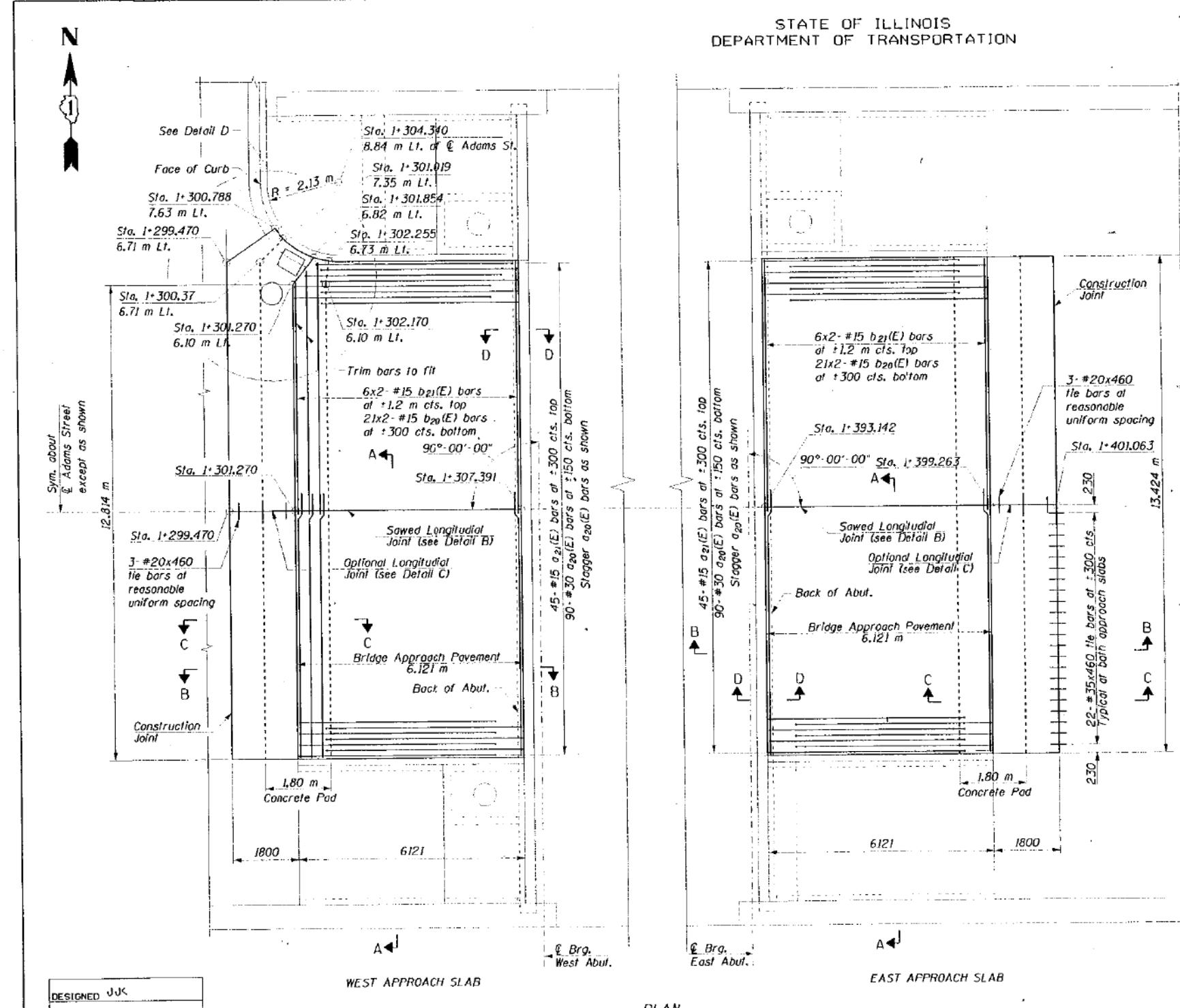
SHEET NO. AB-051 OF AB-145 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

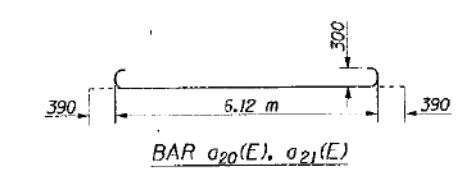
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET NO.
1421	*	COOK	148	70
* 0101-2-3B-R				



DETAIL D
Reinforcing of Concrete Pad at Inlet and Manhole
See Section C-C for typical reinforcing



- NOTES:**
1. Work this sheet with Sheet S-52.
 2. Bars indicated thus: 1x2-#15 etc. indicates 1 line of bars with 2 lengths per line.
 3. Typical splice length for #15 bars to be 510 mm minimum.

**ADAMS STREET BRIDGE
APPROACH SLAB PLAN**

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

DESIGNED	JJK
CHECKED	RAW
DRAWN	JJK
CHECKED	RAW

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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

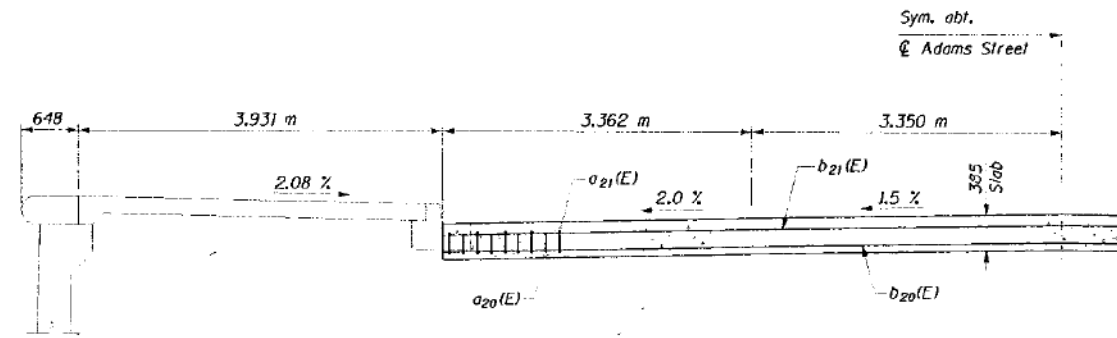
SHEET NO. AB-052 OF AB-145 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	732
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

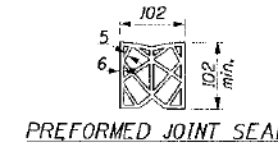
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

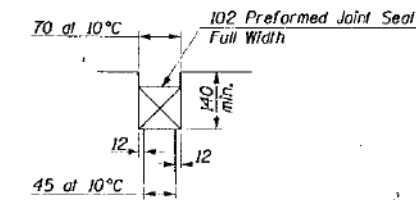
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* 0101-2-3B-R					



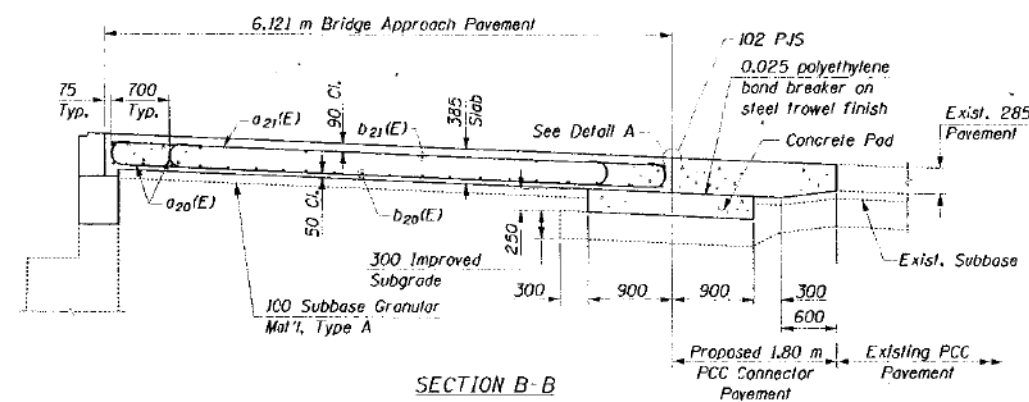
SECTION A-A



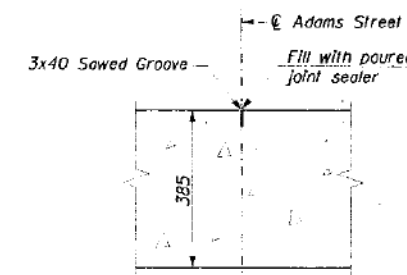
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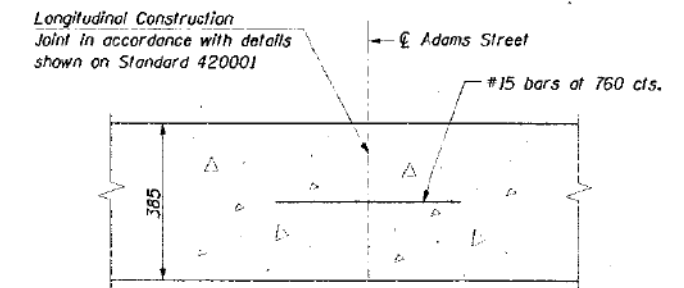
DETAIL A



SECTION B-B

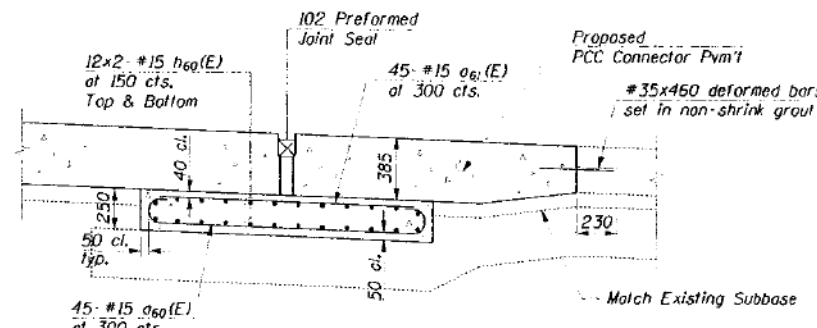


DETAIL B



DETAIL C

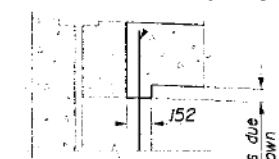
As approved by the Engineer, the contractor may elect to reduce the widths of pour by use of the Optional Longitudinal Construction Joint shown. Joints shall be located at the edge of a traffic lane.



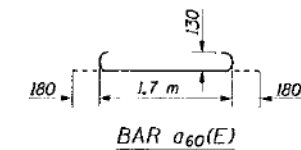
SECTION C-C

Showing Reinforcing of Concrete Pad
See Detail D for additional reinforcing at
Inlet and Manhole Location

#15 dowel bars
at 300 cts.
(By Bridge Contractor)



SECTION D-D



BAR #60(E)

NOTES:

1. Work this sheet with sheet S-51.
2. The cost of the subgrade is included in the unit price bid for "Bridge Approach Pavement".

DESIGNED	JJK
CHECKED	RA#
DRAWN	JJK
CHECKED	RA#

HNTB HNTB CORPORATION

g:\26506\cadd\p\cds\ad\det2.dgn
08-JAN-1998 12:45 JJK:im

**ADAMS STREET BRIDGE
APPROACH SLAB
SECTIONS & DETAILS**

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R

COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

11:23:56 AM
D:\60X94-SHT-AS-BUILT-053.dgn



USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
	CHECKED - WJC	REVISED -
PLOT SCALE = NTS	DRAWN - JTF	REVISED -
PLOT DATE = 3/6/2020	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

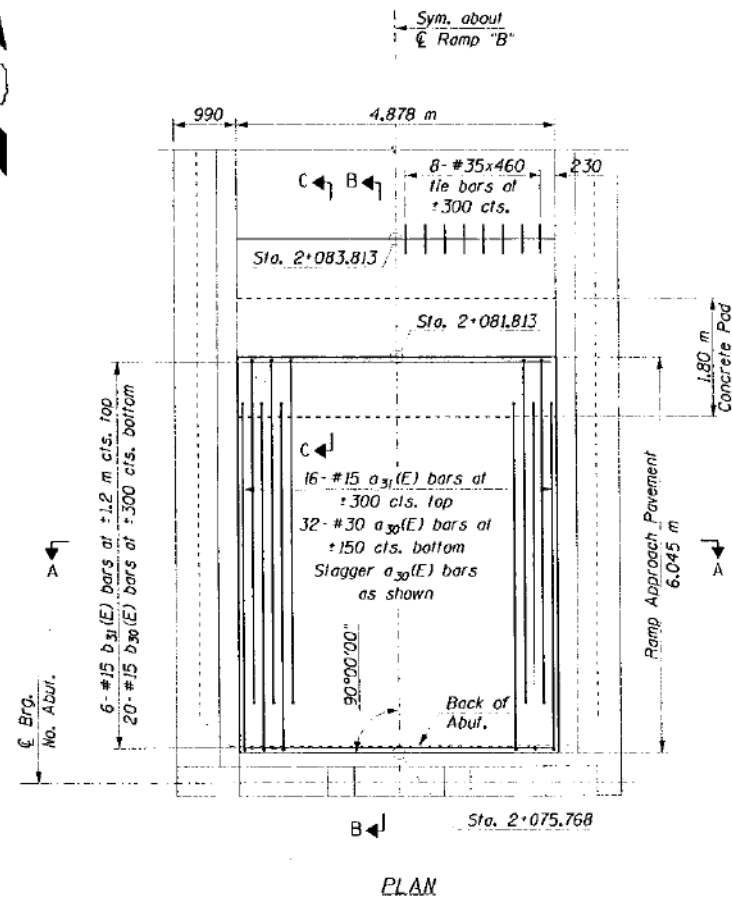
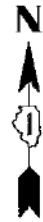
SHEET NO. AB-053 OF AB-145 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	733
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

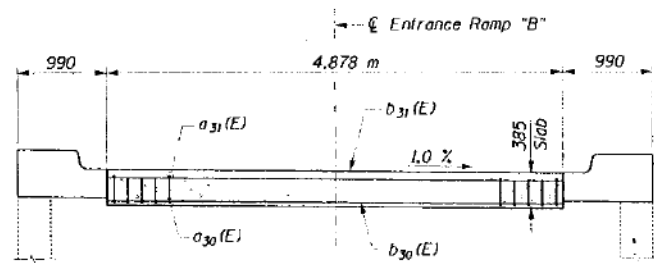
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. S-53										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="font-size: 6px;">SHEET NO.</th> <th style="font-size: 6px;">SECTION</th> <th style="font-size: 6px;">COUNT</th> <th style="font-size: 6px;">DATE</th> <th style="font-size: 6px;">BY</th> </tr> <tr> <td style="font-size: 6px;">1421</td> <td style="font-size: 6px;">*</td> <td style="font-size: 6px;">COOK</td> <td style="font-size: 6px;">148</td> <td style="font-size: 6px;">72</td> </tr> </table>	SHEET NO.	SECTION	COUNT	DATE	BY	1421	*	COOK	148	72
SHEET NO.	SECTION	COUNT	DATE	BY						
1421	*	COOK	148	72						
* 0101-2-3B-R										

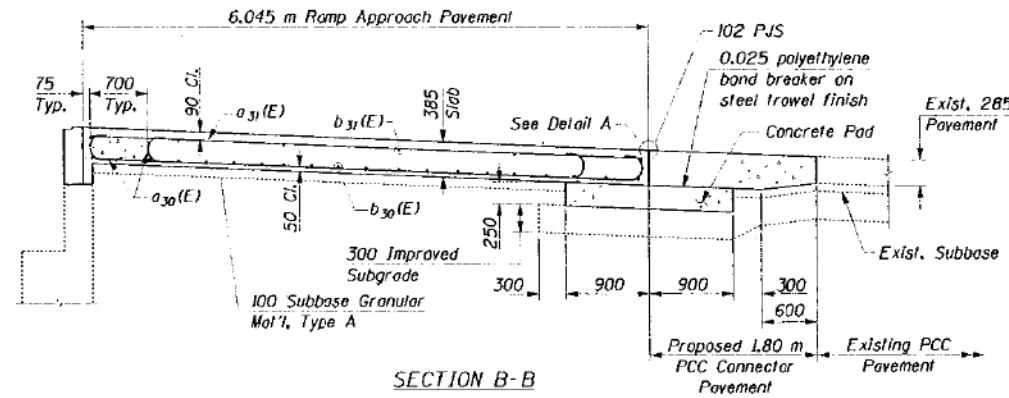


PLAN

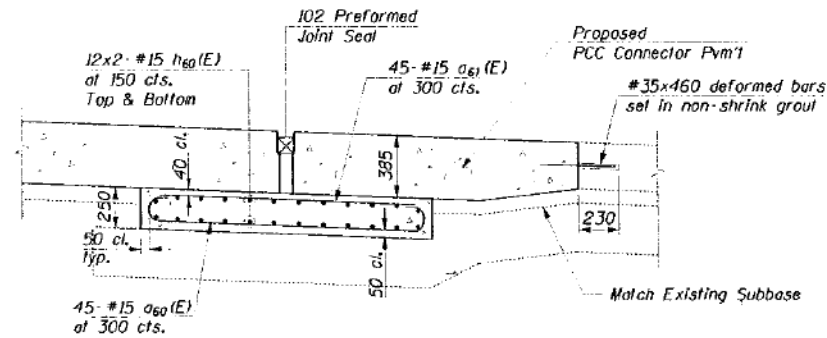


SECTION A-A

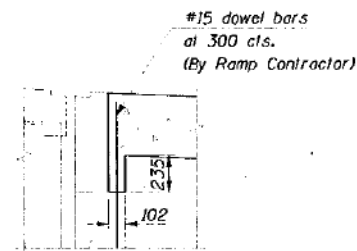
Modified Retaining Wall
See sheets S-49 & S-50
for details



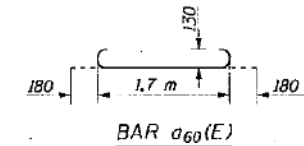
SECTION B-B



SECTION C-C
Showing Reinforcing of Concrete Pad
See Detail D for additional reinforcing at
Inlet and Manhole Location



SECTION D-D



NOTES:

1. All dimensions are in millimeters (mm) unless otherwise noted.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. See sheet S-52 for Detail A.
4. The cost of the subgrade is included in the unit price bid for "Bridge Approach Pavement".

**ENTRANCE RAMP "B"
APPROACH SLAB DETAILS**

ADAMS STREET OVER I-90/94
F.A.U. RTE. 1421, SEC. 0101-2-3B-R
COOK COUNTY
STA. 1+350.04
STR. NUM. 016-0589

Scale: None Date: 11/13/97

DESIGNED	JJK
CHECKED	RAW
DRAWN	JJK
CHECKED	RAW

HNTB HNTB CORPORATION
a:\26506\cadd\bl\cadd\adlde t2.dgn
08-JAN-1998 12:46 JJK

11:24:05 AM
D:\60X94-SHT-AS-BUILT-054.dgn



USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-054 OF AB-145 SHEETS

F.A.U. RTE.	SECTION	COUNT	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	734
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST, ROUTE SUPERHIGHWAY

PLANS FOR
ADAMS STR. BRIDGE
SECTION 0101.2 - 3B

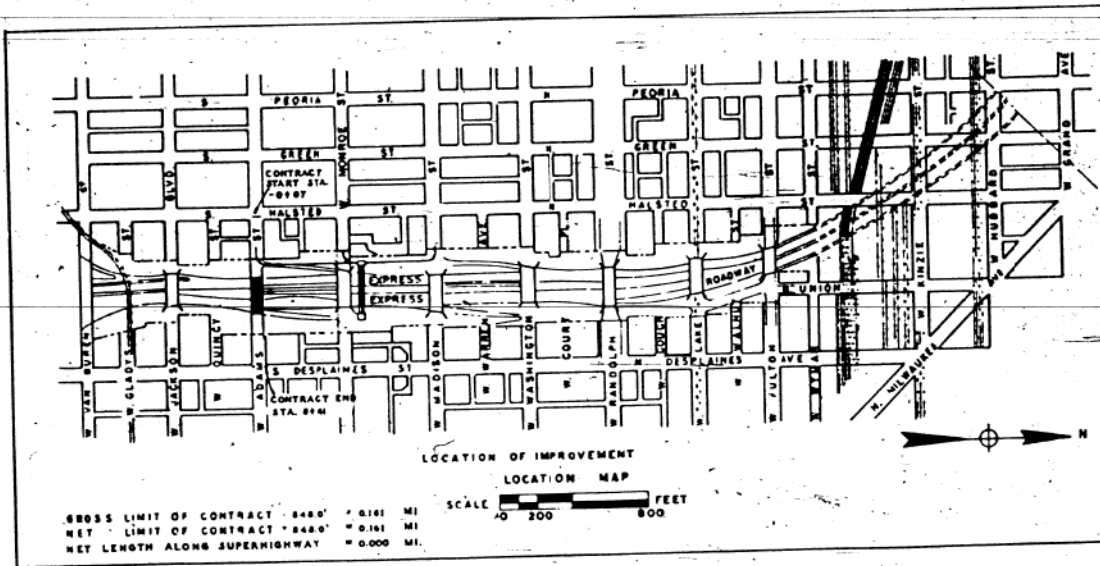
F.A. ROUTE NO. 173 PROJECT U.I.-265(5)

INDEX OF SHEETS

- 1 TITLE SHEET-INDEX-QUANTITIES
- 2 GENERAL PLAN & ELEVATION
- 3 PLAN OF EXISTING STREET-BORINGS-PROFILE
- 4 DECK REINFORCEMENT PLAN & CROSS SECTION
- 5 RAMP ENTRANCE-DETAILS AT LIGHTING STANDARDS
- 6 STRUCTURAL STEEL PLAN & DETAILS
- 7 STRUCTURAL STEEL DETAILS
- 8 STRUCTURAL STEEL DETAILS
- 9 EXPANSION GUARD DETAILS
- 10 PLAN & ELEVATION OF RAILINGS
- 11 RAILING DETAILS
- 12 PILING PLAN-ABUTMENTS & WING WALLS
- 13 ABUTMENTS
- 14 MANHOLE DETAILS AT ABUTMENTS
- 15 N.E. & S.W. WING WALLS
- 16 N.W. & S.E. WING WALLS
- 17 WING WALL-SECTIONS
- 18 PIERS NO. 1 & 3
- 19 PIER NO. 2
- 20 FOOTING BRACING DETAILS
- 21 REINFORCED APPROACH SLABS
- 22 REINFORCEMENT BAR LIST
- 23 REINFORCEMENT BAR LIST
- 24 DETOUR ROAD PLAN-EXCAVATION LIMITS
- 25 CROSS SECTIONS DETOUR ROAD
- 26 CONSTRUCTION STAGES FOR APPROACHES
- 27 PLAN & PROFILE OF APPROACH PAVEMENT
- 28 SECTIONS OF APPROACH PAVEMENT
- 29 CROSS SECTIONS APPROACH PAVEMENTS
- 30 PAVEMENT JOINT DETAILS
- 31 CURBS, SIDEWALK & ALLEY DETAILS
- 32 MASS CONCRETE PROPERTY LINE & CURB LINE WALLS
- 33 INLETS, FRAME & GRATE, SPECIAL MANHOLE
- 34 MANHOLES & CATCH BASINS
- 35 MISCELLANEOUS TIMBER & SIGN DETAILS
- 36 NAME PLATES

SUMMARY OF QUANTITIES

ITEM NO.	UNIT	QUANTITY	DESCRIPTION
1	CU. YD.	25,394	SPECIAL EXCAVATION FOR STRUCTURES
2	CU. YD.	1,890	CLASS A EXCAVATION FOR STRUCTURES
3	CU. YD.	2,554	POREUS GRANULAR EMBANKMENT
4	CU. YD.	1,884	CLASS X-1 CONCRETE
5	L.B.	300,000	REINFORCEMENT BARS
6	L.B.	900,000	STRUCTURAL STEEL
7	LIN. FT.	20,928	FURNISHING CRODOTTED PILES COVER 36"
8	LIN. FT.	20,928	DRIVING TIMBER PILES
9	EACH	5	TEST PILES
10	LIN. FT.	380	PIPE UNDERDRAIN
11	LIN. FT.	1,700	ALIGNING RAILINGS
12	LIN. FT.	1,200	3/4" ASBESTOS-CEMENT CONDUIT WITH HANGERS
13	LIN. FT.	200	3/4" ASBESTOS-CEMENT CONDUIT ENCASED
14	LIN. FT.	250	2 1/2" STEEL CONDUIT WITH HANGERS
15	LIN. FT.	30	2" STEEL CONDUIT
16	SQ. YD.	100	R.C.C. BASE COURSE APPROACH SLAB
17	SQ. YD.	700	R.C.C. BASE COURSE
18	SQ. YD.	2025	R.C.C. PAVEMENT
19	SQ. FT.	200	REINFORCED P.C.C. SIDEWALK
20	LIN. FT.	1,400	P.C.C. SIDEWALK
21	LIN. FT.	1,000	CONCRETE CURB & GUTTER, TYPE 3
22	LIN. FT.	1,100	CONCRETE CURB, TYPE 4
23	SQ. FT.	800	LONGITUDINAL CURB EXPANSION JOINTS
24	GAL.	425	BITUMINOUS SEALING MATERIALS (PRIME COAT)
25	TON	70	LEVICING BINDER (MACHINE METHOD)
26	TON	100	BITUMINOUS CONCRETE BINDER COURSE
27	TON	230	BITUMINOUS CONCRETE SURFACE COURSE, FINE
28	LIN. FT.	200	STORM SEWER, TYPE 2, 6"
29	CU. YD.	120	TRENCH BACKFILL
30	EACH	10	INLETS, TYPE B1
31	EACH	4	CATCH BASIN, TYPE A, 4 DIA.
32	EACH	1	SPECIAL MANHOLE
33	EACH	7	CATCH BASINS TO BE ADJUSTED
34	EACH	1	MANHOLE TO BE ADJUSTED
35	EACH	2	FILLING EXISTING INLETS
36	EACH	2	FILLING EXISTING CATCH BASINS
37	SQ. YD.	500	PAVEMENT & DRIVEWAY PAVEMENT REMOVAL
38	SQ. FT.	1,700	SIDEWALK REMOVAL
39	LIN. FT.	150	CURB REMOVAL
40	CU. YD.	70	MASONRY REMOVAL
41	M.F.T.B.M.	1	MISCELLANEOUS TIMBER
42	EACH	2	NAME PLATES
43	LUMP SUM	100	TEMPORARY SHEET PILING
44	LUMP SUM	500	MASS CONCRETE PROPERTY LINE & CURB LINE WALLS
45	MONTH	12	PUMPING



PREPARED FOR
THE CITY OF CHICAGO
BY
ALFRED BENESCH AND ASSOCIATES
CONSULTING ENGINEERS
PLANS APPROVED
BY THE STATE DIVISION OF HIGHWAYS

APPROVED AS TO SEWER ALTERATIONS AND ADDITIONS
[Signature]
DEPUTY FOR SEWERS

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DATE: JUNE 1955
APPROVED [Signature] SUPERVISORY ENGINEER
APPROVED [Signature] ASST. CHIEF ENGINEER
APPROVED [Signature] CHIEF ENGINEER
APPROVED [Signature] COMMISSIONER

THE DEPARTMENT OF
PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
APPROVED [Signature] 1955
ENTERED AS PERMITS, ENGINEER
APPROVED [Signature] 1955
DIRECTOR

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED [Signature] 1955
DISTRICT ENGINEER DATE



11:24:13 AM
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PLOT SCALE = NTS	CHECKED - WJC	REVISED -
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	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

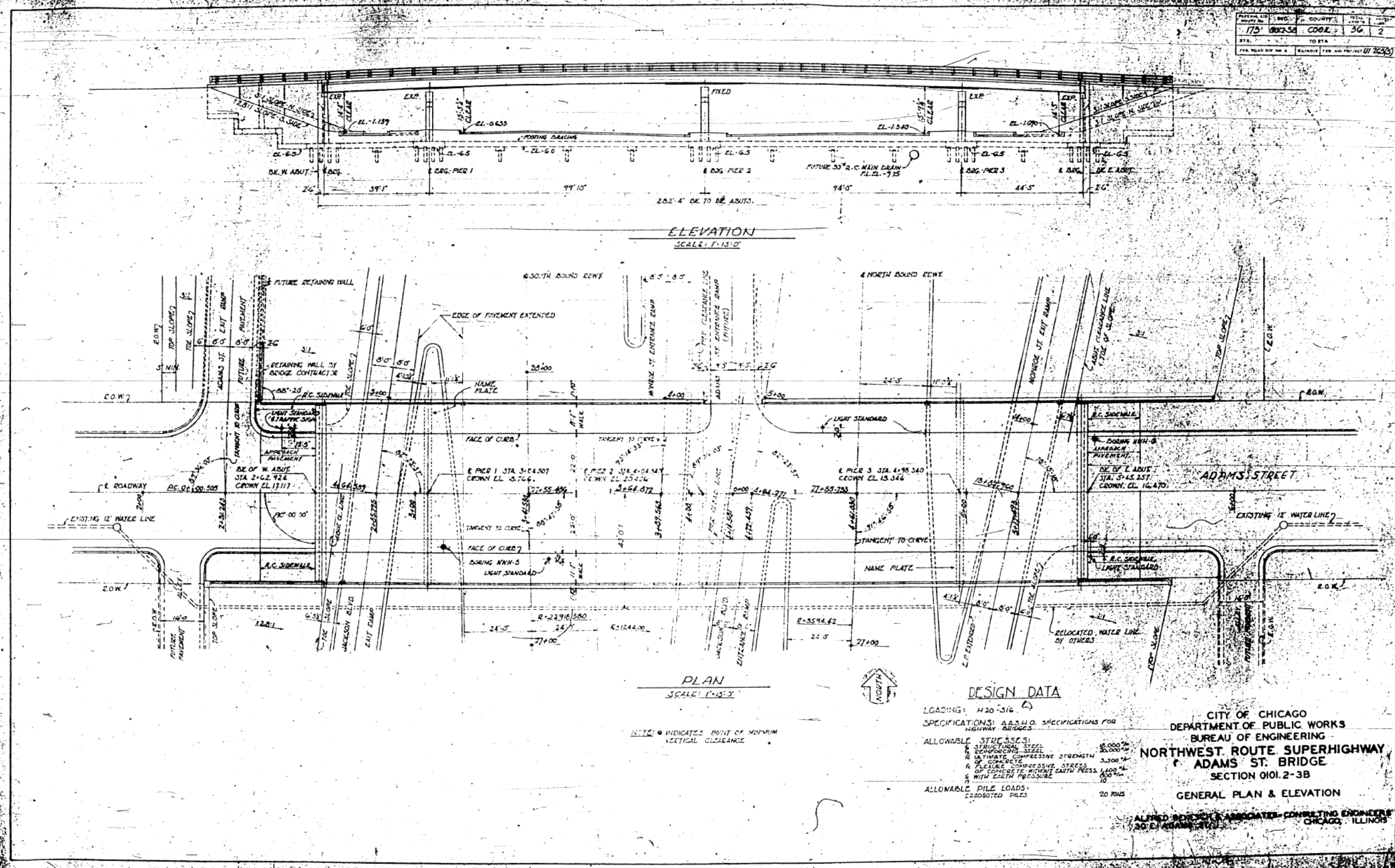
EXISTING RECORD DRAWINGS

SHEET NO. AB-055 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	735
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

PROJECT NO.	175	SHEET NO.	36	TOTAL SHEETS	2
COUNTY	COOK	SECTION	2014-015R&B-R	CONTRACT NO.	60X94



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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
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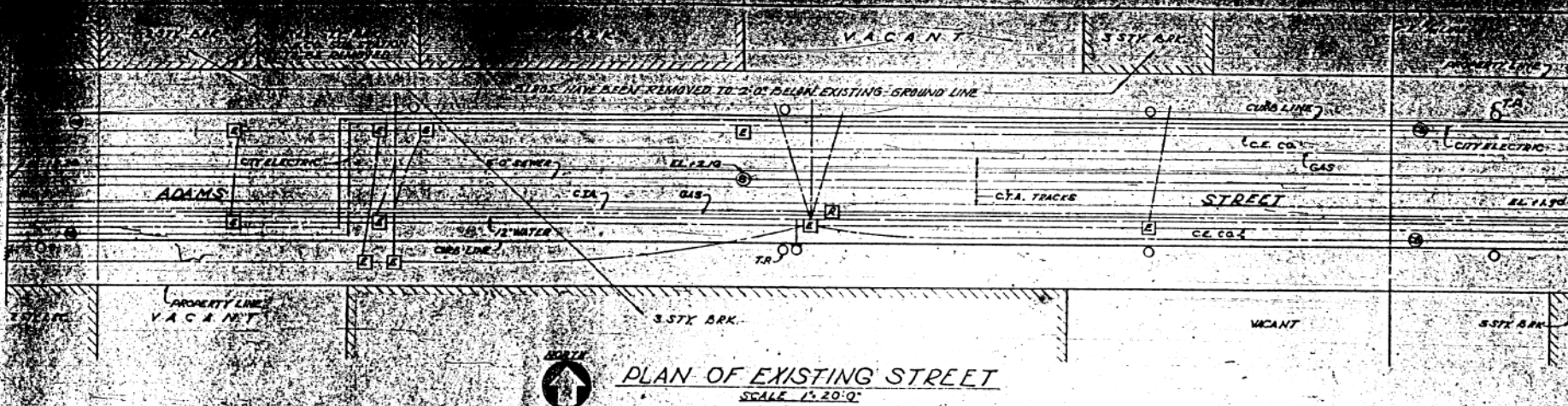
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-056 OF AB-145 SHEETS

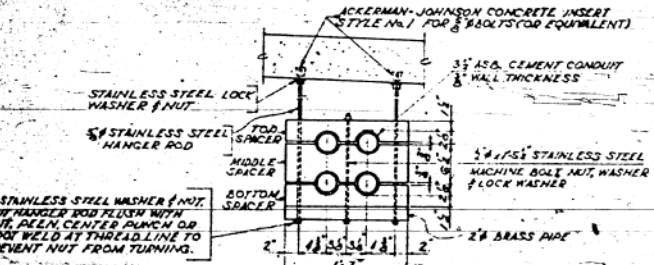
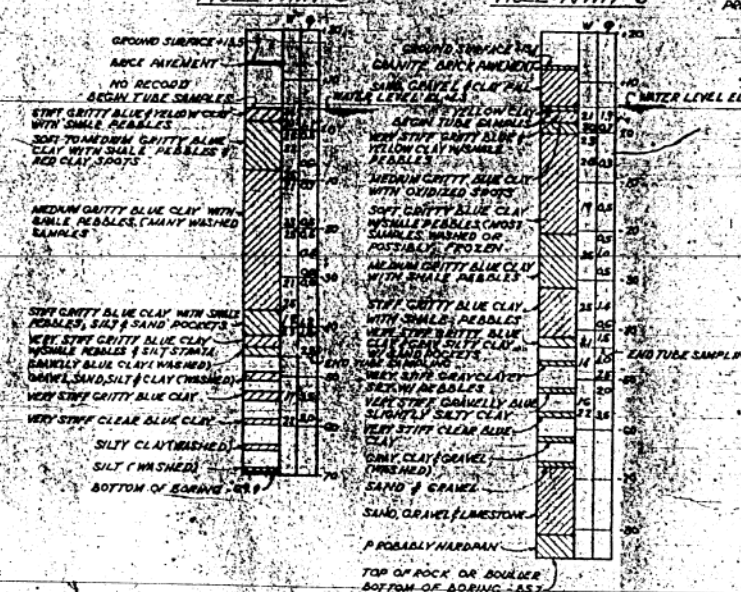
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	736
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



- LEGEND**
- ☐ COMMONWEALTH EDISON CO. M.H.
 - C.F.A. M.H.
 - SEWER M.H.
 - CATCH BASIN
 - TROLLEY & LIGHT POLE
 - FIRE HYDRANT

SOIL TEST BORINGS



1. HANGERS TO BE SPACED AT 4'-0" CTRS. MAX.
2. CLEAR DISTANCE BETWEEN INSERTS (ANY REINFORCING BARS TO BE NOT LESS THAN 1/4" IN ANY DIRECTION, INSERTS TO BE SPACED SO THAT CLEAR DISTANCE BETWEEN HANGERS & BEAM CHORDS IS NOT LESS THAN 1/4"
3. HOLES IN BRASS PIPE & SPACERS TO BE DRILLED LARGER THAN DIAMETER OF HANGER ROD OR BOLT
4. CONDUITS & SPACERS TO BE "EMERSON-MANVILLE" ASBESTOS CEMENT OR EQUAL. WIDTH OF SPACERS TO BE 3" MEASURED IN DIRECTION OF CONDUITS
5. CONTRACTOR SHALL FURNISH & INSTALL INSERTS, HANGERS, SPACERS, BRASS PIPES, CONDUITS & EXPANSION COUPLINGS AT ABUTMENTS FOR 4'-31 1/2" CONCRETE ABUTMENT SIDE WALLS, COMPLETE IN PLACE AS SHOWN.

GENERAL NOTES

CLASS I CONCRETE SHALL BE USED THROUGHOUT. CONCRETE FLOOR SLAB SHALL BE PLACED IN ONE CONTINUOUS OPERATION BETWEEN CONSTRUCTION JOINTS SHOWN, AND SHALL BE FINISHED IN ACCORDANCE WITH SPECIAL PROVISIONS.

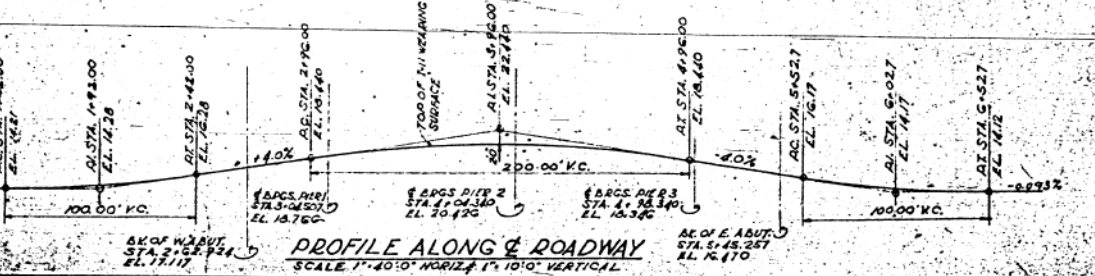
ALL CONNECTIONS FOR STRUCTURAL STEEL SHALL BE WELDED EXCEPT AS NOTED. ALL DWYETS SHALL BE 3/8" IN 1/4" HOLES EXCEPT IN BEAM SPACERS WHICH SHALL BE 3/8" IN 1/4" HOLES. HOLES FOR BEAM SPACERS SHALL BE PUNCHED 1/4" & REAMED TO CORRECT SIZE WITH STRINGERS ASSEMBLED FULL LENGTH IN THE SHOP IN ORDER TO INSURE WITH OUT DIAPHRAGMS IN PLACE, LEAVE ASSEMBLED FOR INSPECTION.

ALL ROLLERS, ROCKERS, BEARING PLATES AND ANCHOR BOLTS SHALL BE FABRICATED & SET IN ACCORDANCE WITH ARTICLE 3118 OF THE STANDARD SPECIFICATIONS AND ARE INCLUDED FOR ALIGNMENT AS STRUCTURAL STEEL. ESTIMATED WEIGHT = 35,090 LBS. ANCHOR BOLTS SHALL BE SET BEFORE RIVETING DIAPHRAGMS OVER PIERS AND ABUTMENTS.

STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF RED LEAD PAINT AND TWO FIELD COATS OF ALUMINUM PAINT. SHOP INSPECTION BY CHIEF OF CHICAGO.

THE CONTRACTOR SHALL DRIVE TEST PILES AT ABUTMENTS & PIERS AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF THE PILE.

NOTE:
FIGURES IN COLUMN MARKED WE INDICATE THE WATER CONTENT IN % OF DRY WEIGHT. FIGURES IN COLUMN MARKED "C" INDICATE THE UNCONFINED COMPRESSIVE STRENGTH (TONS/SQ FT) FOR LOCATION OF BORINGS. SEE SHEET NO. 2 BORING DATA ARE SHOWN ONLY AS A GUIDE FOR BIDDING & ESTIMATING SOIL CONDITIONS WHICH MAY BE ENCOUNTERED IN THE WORK.



CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
ADAMS STREET BRIDGE
SECTION 01-1-38
PLAN OF EXISTING STREET BORINGS PROFILE
ALFRED BENECH & ASSOCIATES, INC. ENGINEERS
30 E. ADAMS ST. CHICAGO, ILLINOIS

11:24:31 AM
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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

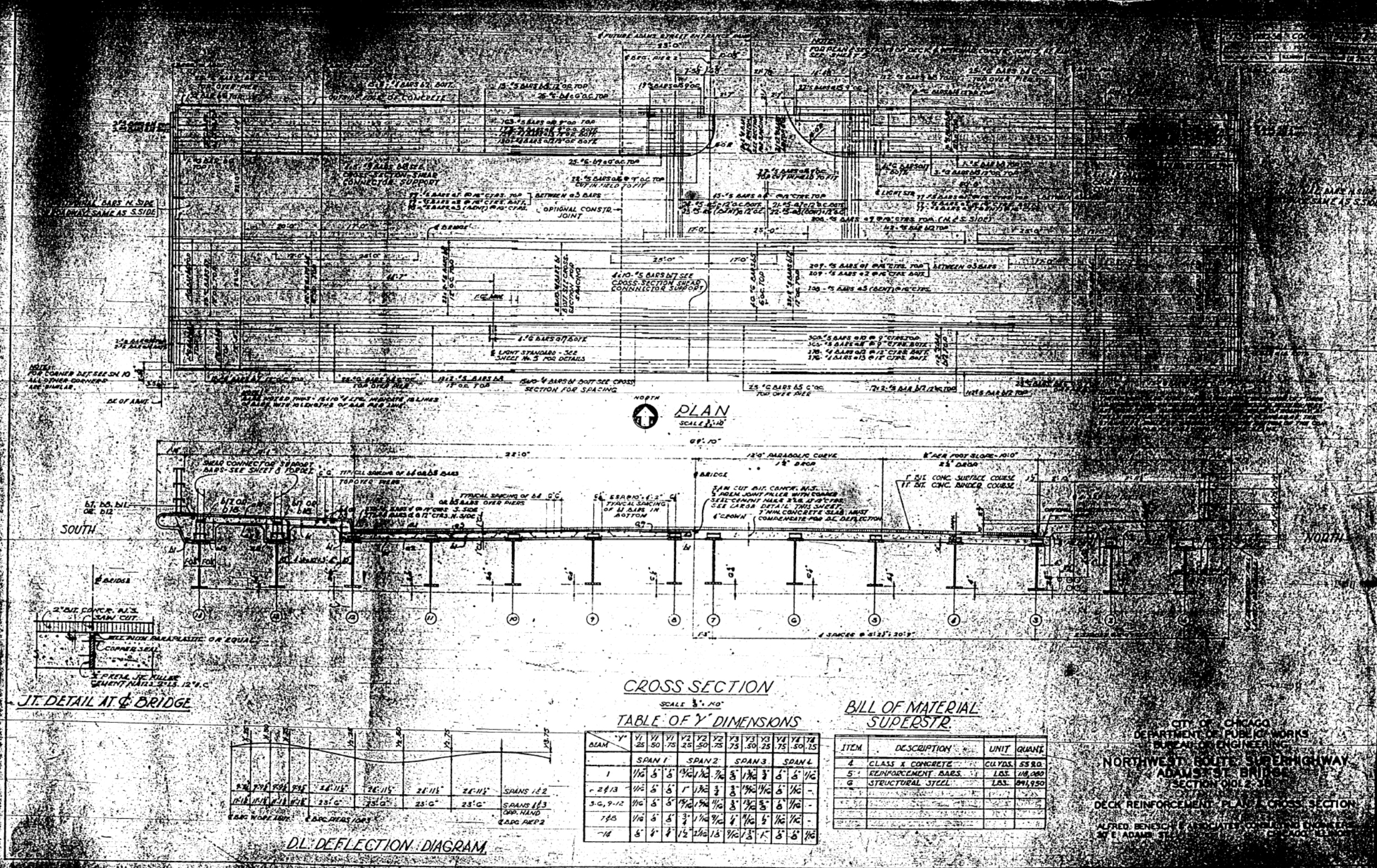
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-057 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	737
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



CROSS SECTION
SCALE 3/4" = 1'-0"

TABLE OF Y-DIMENSIONS

SPAN	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1	1/16	5'	5'	3/4	1/4	3/4	5'	1/4	3/4	5'	5'	1/4			
2	1/16	5'	5'	1'	1/4	3/4	5'	1/4	3/4	5'	5'	1/4			
3	1/16	5'	5'	1/4	1/4	1/4	5'	1/4	3/4	5'	5'	1/4			
4	1/16	5'	5'	1/4	1/4	1/4	5'	1/4	3/4	5'	5'	1/4			

BILL OF MATERIAL SUPERSTR.

ITEM	DESCRIPTION	UNIT	QUANT.
A	CLASS X CONCRETE	CU YDS	559.0
B	REINFORCEMENT BARS	LBS	118,000
C	STRUCTURAL STEEL	LBS	211,950

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
**NORTHWEST ROUTE SUPERHIGHWAY
ADAMS ST BRIDGE**
SECTION 0102-1
DECK REINFORCEMENT PLAN & CROSS SECTION
ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS
27 E. ADAMS ST.

11:24:41 AM
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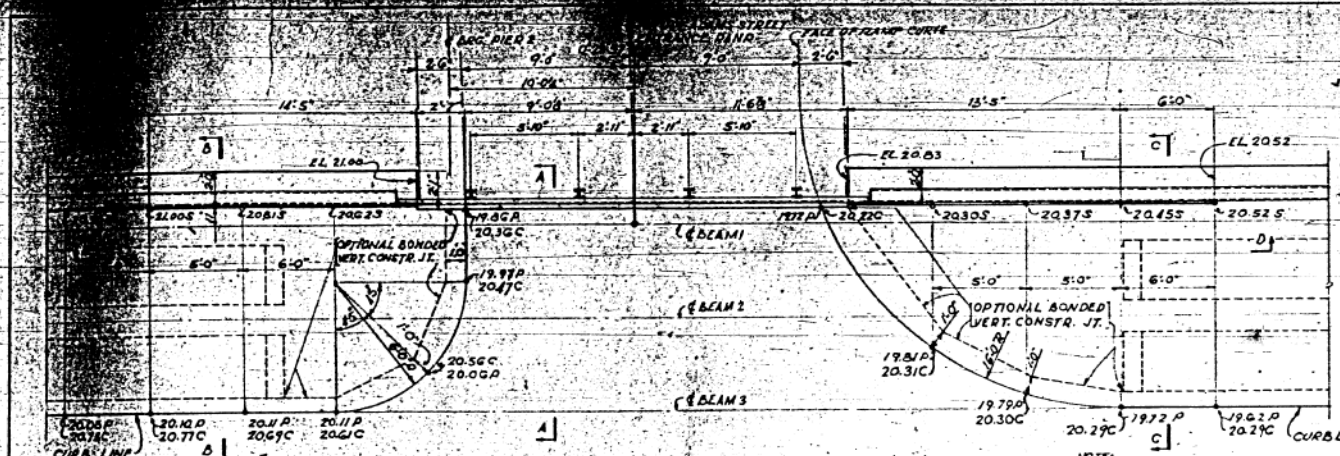
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
SHEET NO. AB-058 OF AB-145 SHEETS

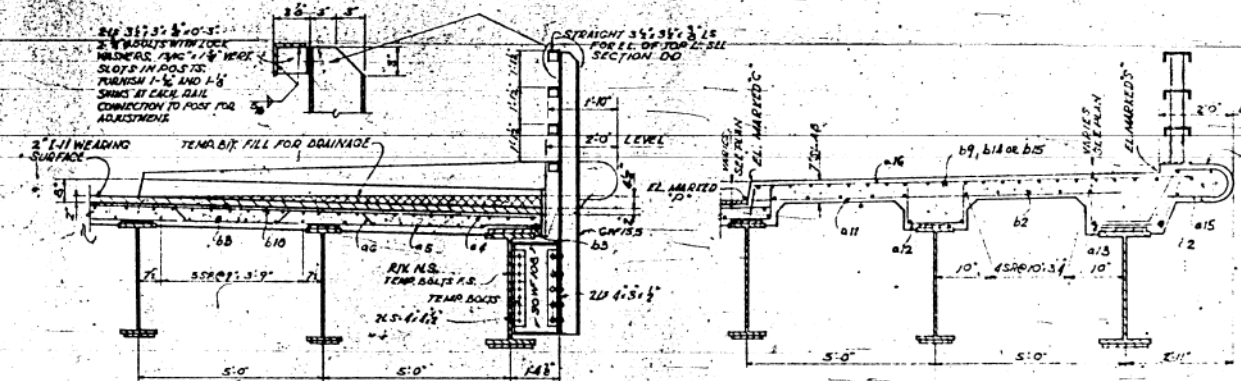
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	738
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



PART PLAN OF DECK AT RAMP ENTRANCE
SCALE 1/4" = 1'-0"

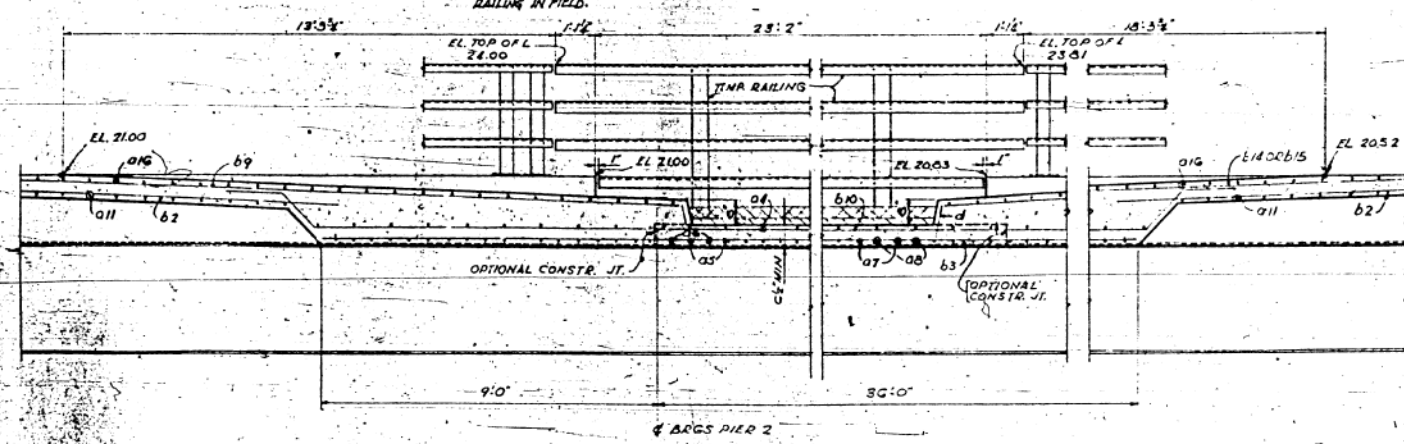
NOTE:
THE 7" ROADWAY SLAB AT RAMP ENTRANCE BETWEEN BEAMS 1&3 AND BETWEEN OPTIONAL BONDED VERTICAL CONSTRUCTION JOINTS SHOWN SHALL BE PLACED MONOLITHICALLY WITH REMAINDER OF ROADWAY SLAB DURING FIRST OPERATION.
WHEN SIDEWALK SLAB IS PLACED, CONSTRUCTION SHALL CONFORM TO SECTION D-D.



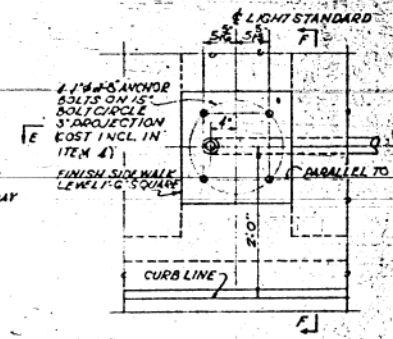
SECTION A-A
SCALE 1/4" = 1'-0"

SECTION C-C SIMILAR
SCALE 1/4" = 1'-0"

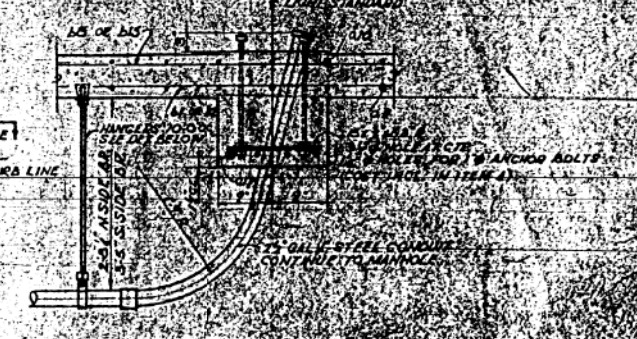
NOTE:
ASSEMBLE TEMPORARY RAILING TO DECK IN SHOP FOR INSPECTION.
ALIGN TEMPORARY RAILING WITH ALUMINUM RAILING IN FIELD.



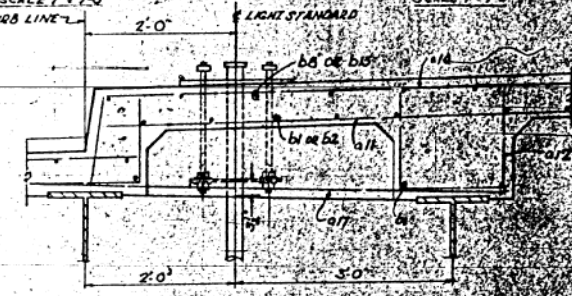
SECTION D-D
SCALE 1/4" = 1'-0"



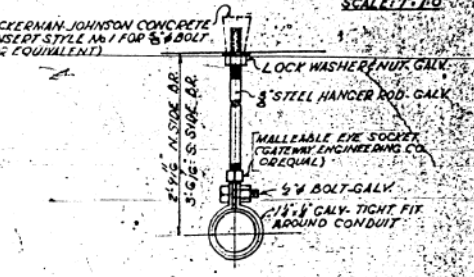
PLAN AT LIGHT STANDARD
SCALE 1/4" = 1'-0"



SECTION E-E
SCALE 1/4" = 1'-0"



SECTION F-F
SCALE 1/4" = 1'-0"



DETAIL OF 2 1/2" CONDUIT HANGER
SCALE 3/4" = 1'-0"

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
ADAMS ST. BRIDGE
SECTION 001.2-39
RAMP ENTRANCE- DETAILS AT LIGHTING STANDARDS
ALFRED BENESCH & ASSOCIATES, INC. CONSULTING ENGINEERS
30 E. ADAMS ST.

11:24:51 AM
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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
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	CHECKED - WJC	REVISED -

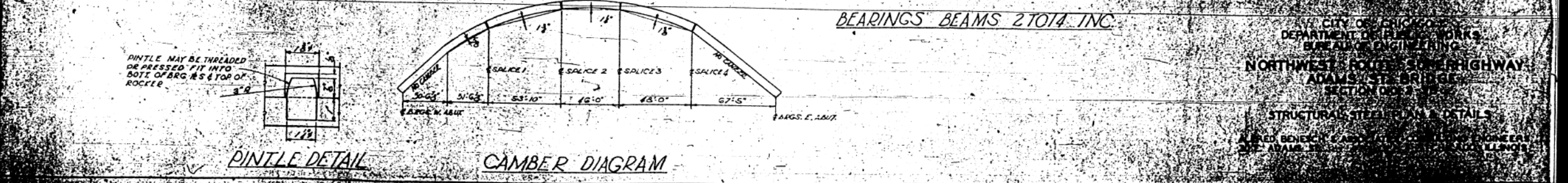
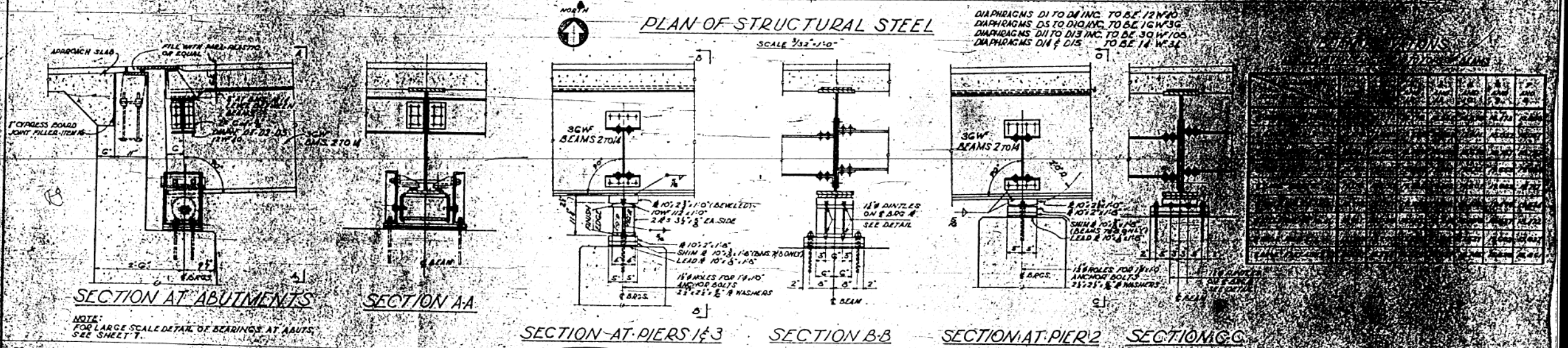
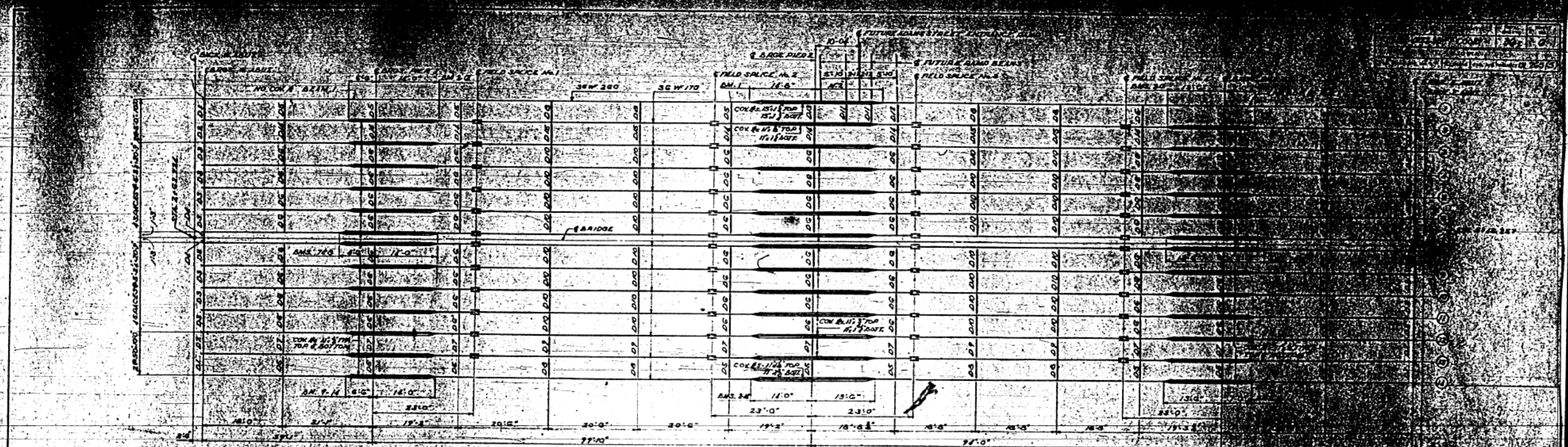
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-059 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	739
			CONTRACT NO.	60X94
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST FORD STREET HIGHWAY
ADAMS ST. BRIDGE
SECTION 003-10
STRUCTURAL STEEL PLAN & DETAILS
ALFRED BENECY, CHIEF ENGINEER
CHICAGO, ILLINOIS

11:25:00 AM
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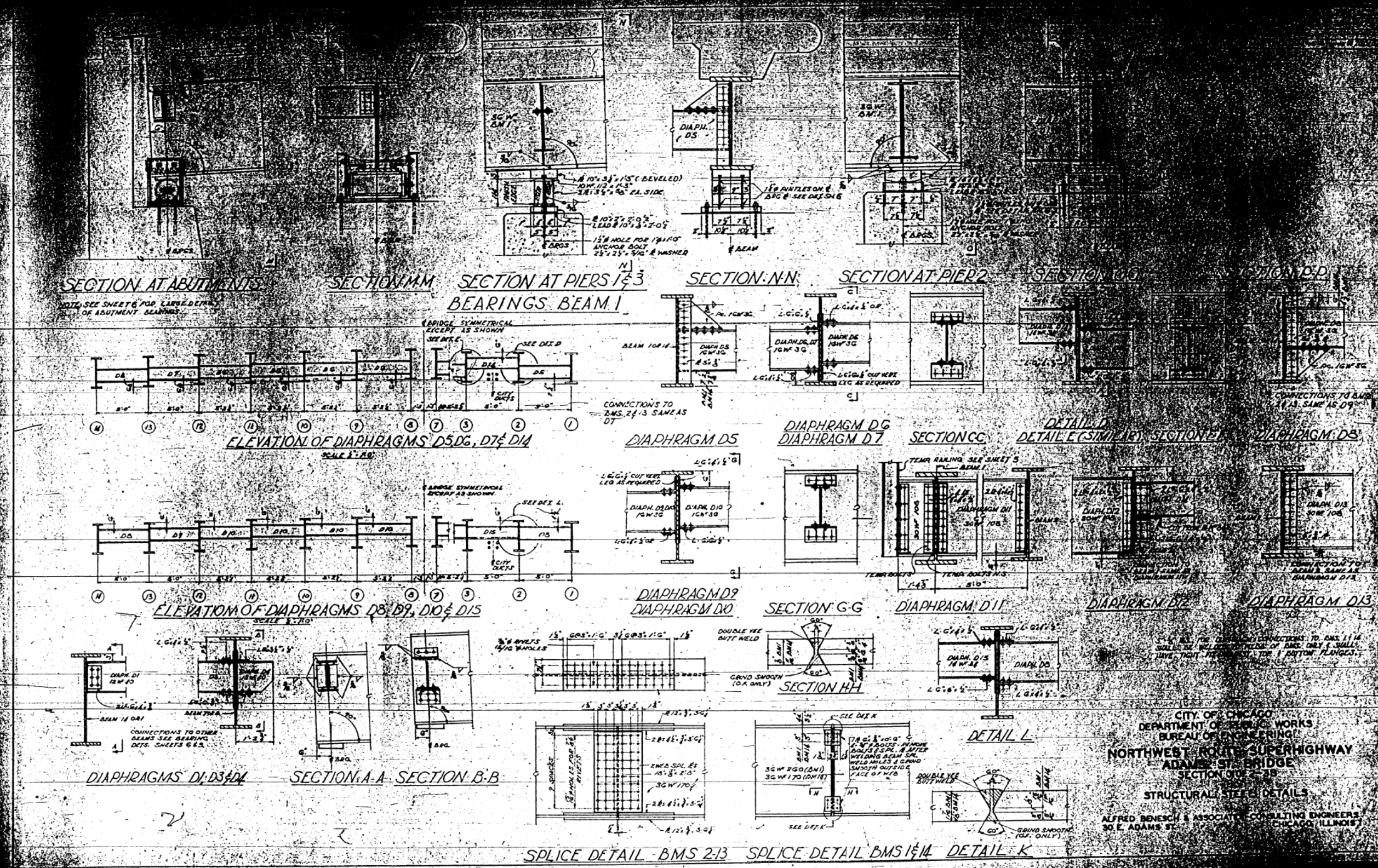
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-060 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	740
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 ADAMS ST. BRIDGE
 SECTION 00-2-38
 STRUCTURAL STEEL DETAILS
 ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS
 30 E. ADAMS ST.
 CHICAGO, ILLINOIS



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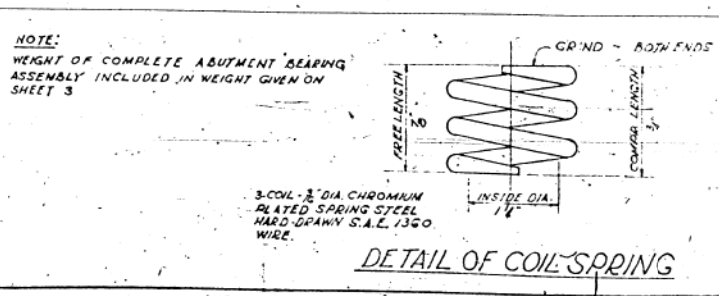
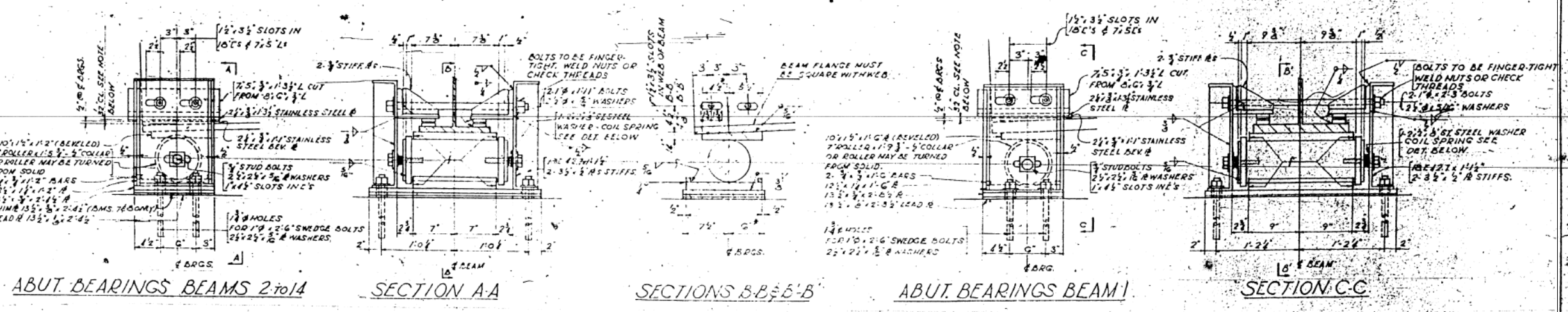
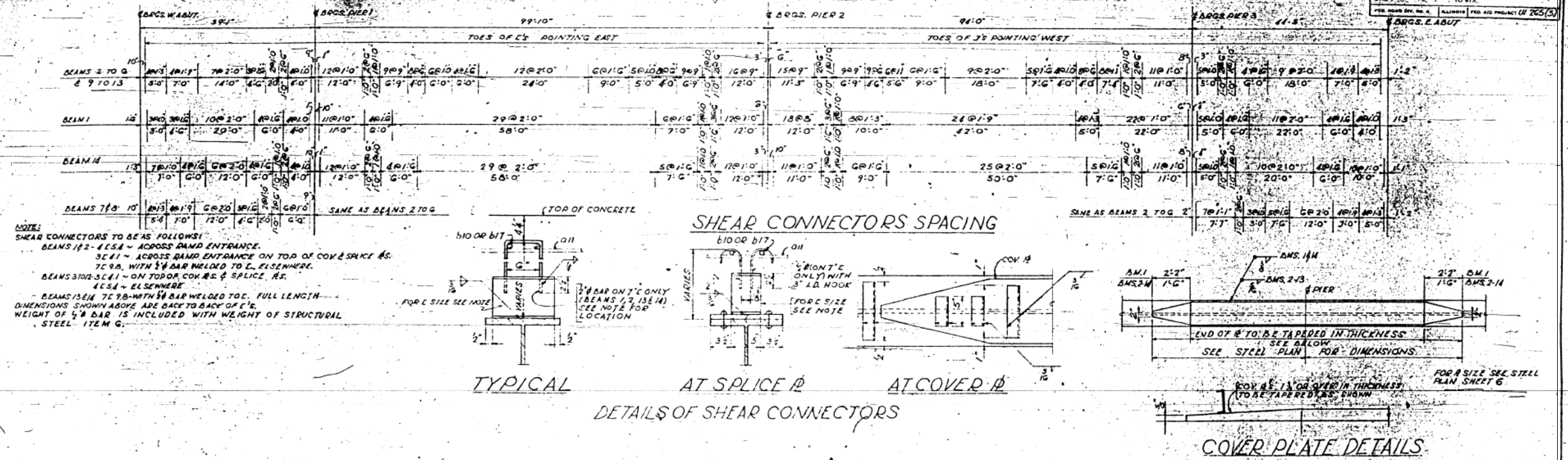
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
 SHEET NO. AB-061 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	741
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

PROJECT NO.	75	ROUTE	0075B	COUNTY	COOK	TOTAL SHEETS	36	SHEET NO.	8
DATE		TO STA.		FROM STA.					
ILLINOIS FED. AID PROJECT U 705(5)									



NOTE TO ERECTOR

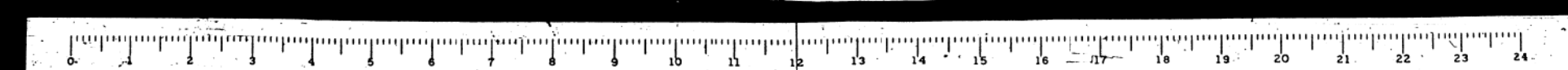
INCREASE EACH DIMENSION MARKED THUS BY SAME AMOUNT IF ABUTMENT WAS MOVED OR IF TEMP. IS ABOVE 50°F. DECREASE EACH BY SAME AMOUNT IF TEMP. IS BELOW 50°F

PROCEDURE FOR SETTING ABUTMENT BEARINGS

1. SET BEARING COMPLETELY EXCEPT 1 1/2" IF AND 1 1/2" BOLTS THROUGH BEAM AND ERECT STRINGER
2. PLACE 3/8" DIMS ON 2 1/2" REV ES
3. PLACE 7/8" x 1/2" FLAT ON DIMS AND BOLT TEMPORARILY TO 1 1/2"
4. WELD 1/2" TO 1/2" AS ABOVE & REMOVE TEMP. BOLTS
5. PLACE 1 1/2" BOLTS THROUGH 1 1/2" WEB OF BEAM AND REMOVE SHIMS

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
ADAMS ST. BRIDGE
SECTION 010.2-3B
STRUCTURAL STEEL DETAILS

ALFRED BENESCH & ASSOCIATES - CONSULTING ENGINEERS
30 E. ADAMS ST. CHICAGO, ILLINOIS



11:25:19 AM
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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

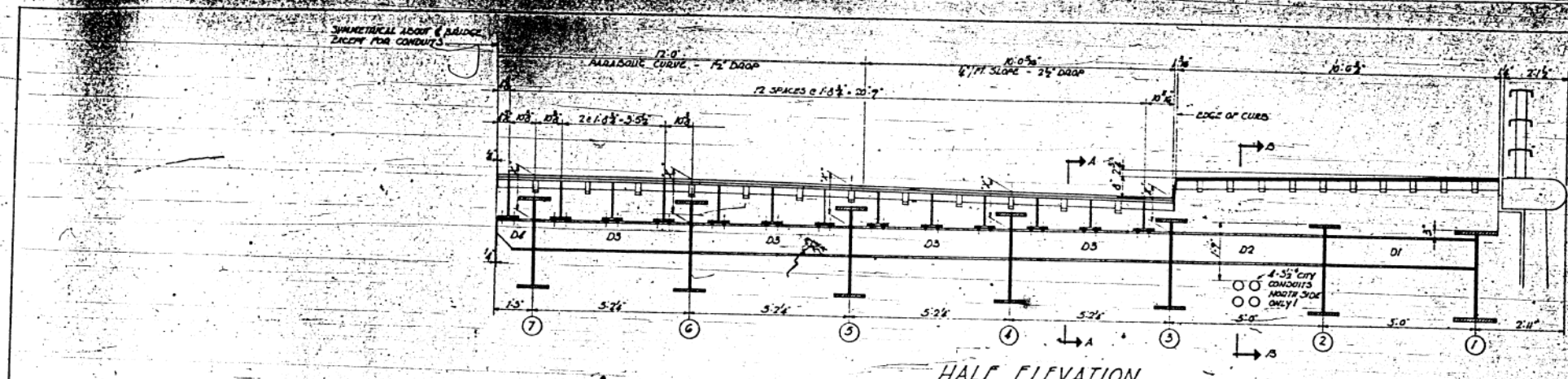
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

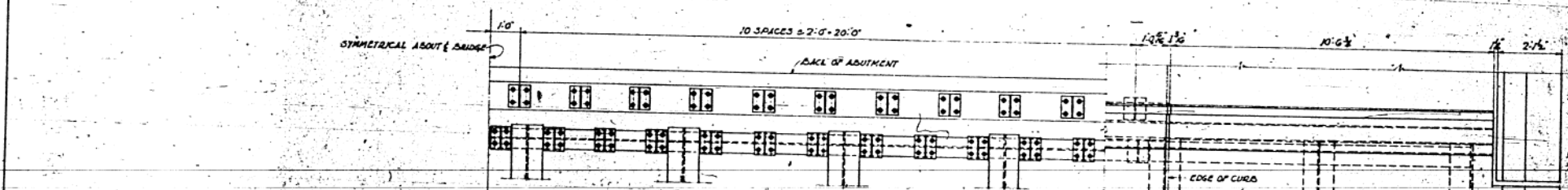
SHEET NO. AB-062 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

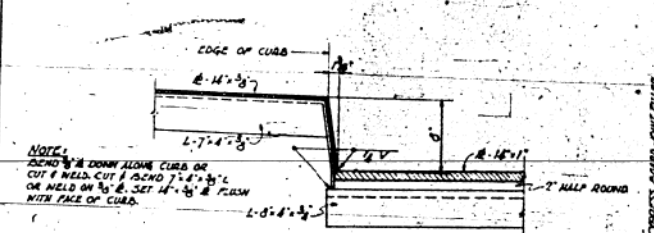
FOR INFORMATION ONLY



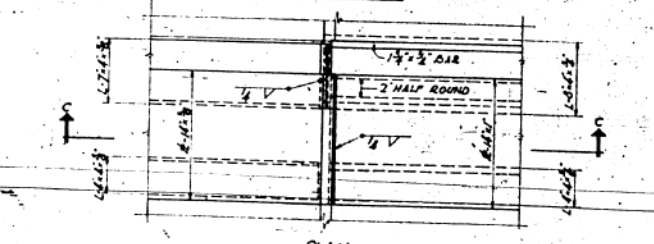
HALF ELEVATION



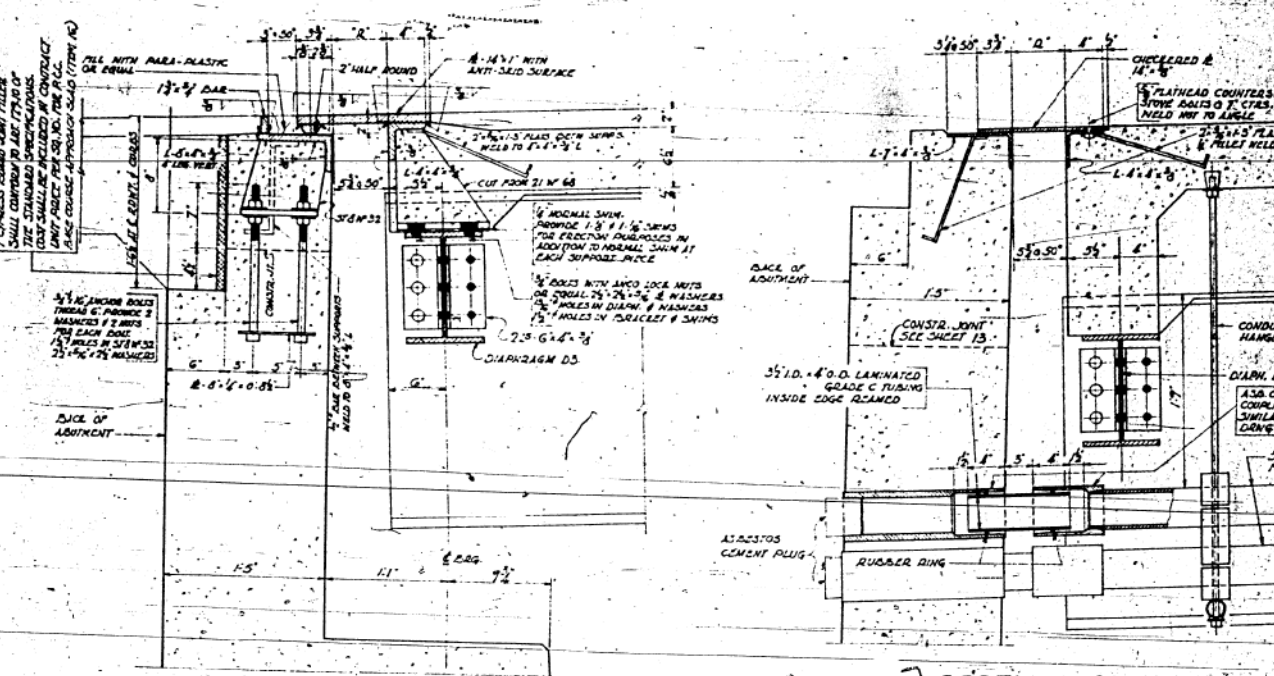
HALF PLAN
SCALE 3/4"=1'-0"



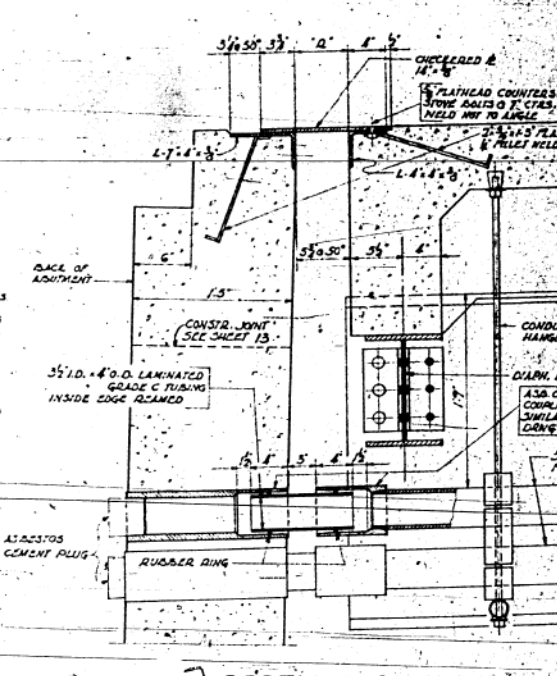
SECTION C-C



CURB DETAILS
SCALE 1/4"=1'-0"



SECTION A-A
SCALE 1/2"=1'-0"



SECTION B-B
SCALE 1/4"=1'-0"

PROJECT NO.	175	SHEET NO.	56
DATE	10/23/04	CONTRACT	COOL
DRAWN BY		CHECKED BY	
10 WEA		10 WEA	
APPROVED FOR AS-BUILT BY			

X-DIMENSIONS

36 1/2"	2 1/2"	58 1/2"	8 1/2"	7 1/2"
1 1/2"	1 1/2"	1 3/4"	1 3/4"	1 1/2"

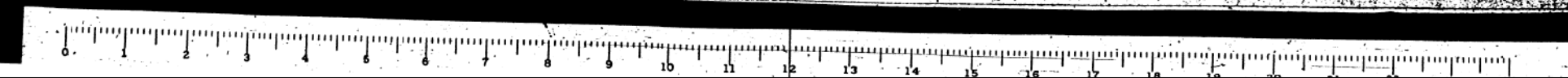
NOTE:
 ROADWAY EXPANSION GUARD SHALL BE FABRICATED AND
 ERECTED TO COMPLY WITH THE FOLLOWING:
 CONCRETE SHALL BE TYPE III WITH 0.2% COPPER ADDED
 SHALL BE USED FOR 18" DIA. 2" HALF ROUND AND 1 1/2" DIA.
 ASSEMBLY IN SHOP FOR INSPECTION.
 ALL SURFACES INACCESSIBLE AFTER ERECTION SHALL
 RECEIVE TWO SHOP COATS OF RED LEAD PAINT EXCEPT
 2" DIA. LUGS.
 EXPANSION GUARDS ARE INCLUDED FOR PAYMENT AS
 STRUCTURAL STEEL.
 ESTIMATED WEIGHT FOR 2 COMPLETE GUARDS
 INCLUDING SUBRAIL GUARDS = 15,780 LBS.

D-DIMENSIONS

TEMP.	C. ABOVE	N. ABOVE
100°	5 1/2"	5"
90°	5 1/2"	5"
70°	5 1/2"	5"
60°	5 1/2"	5"
50°	5 1/2"	5"
40°	5 1/2"	5"

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 ADAMS ST BRIDGE
 SECTION 0101.2-38
 EXPANSION GUARD DETAILS

ALFRED BENESCH & ASSOCIATES-CONSULTING ENGINEERS
 30 E. ADAMS ST. CHICAGO, ILLINOIS



11/25/28 AM
 D160X94-SHT-AS-BUILT-063.dgn



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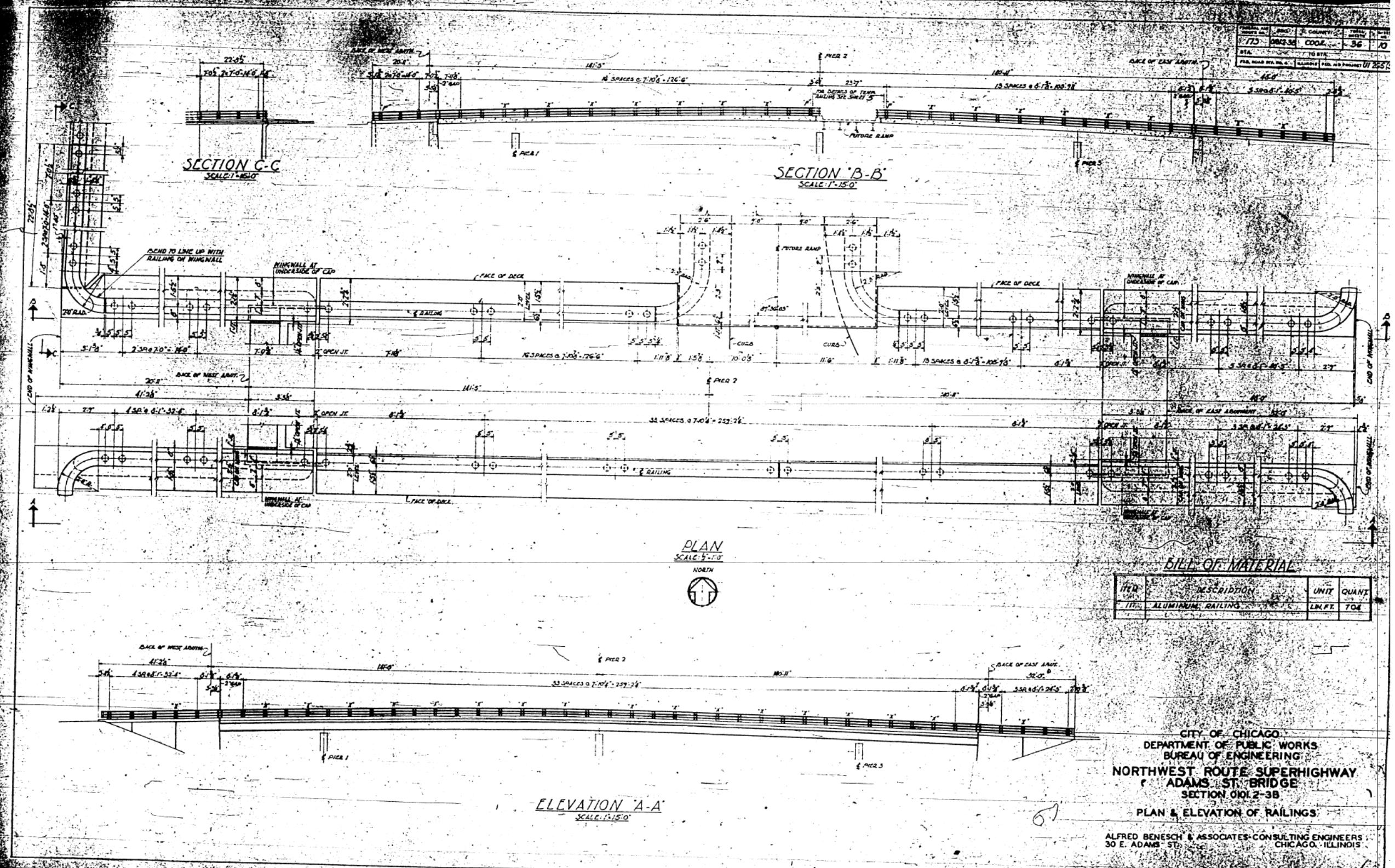
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-063 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	743
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



BILL OF MATERIAL

ITEM	DESCRIPTION	UNIT	QUANTITY
1111	ALUMINUM RAILING	LN.FT.	704

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 ADAMS ST. BRIDGE
 SECTION 0102-3B

PLAN & ELEVATION OF RAILINGS
 ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS
 30 E. ADAMS ST. CHICAGO, ILLINOIS



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

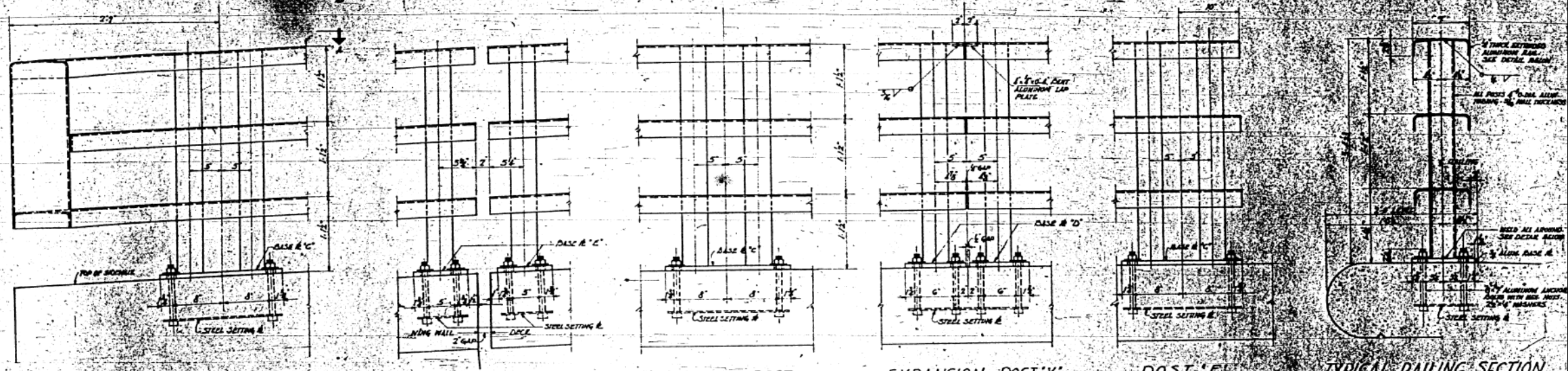
EXISTING RECORD DRAWINGS

SHEET NO. AB-064 OF AB-145 SHEETS

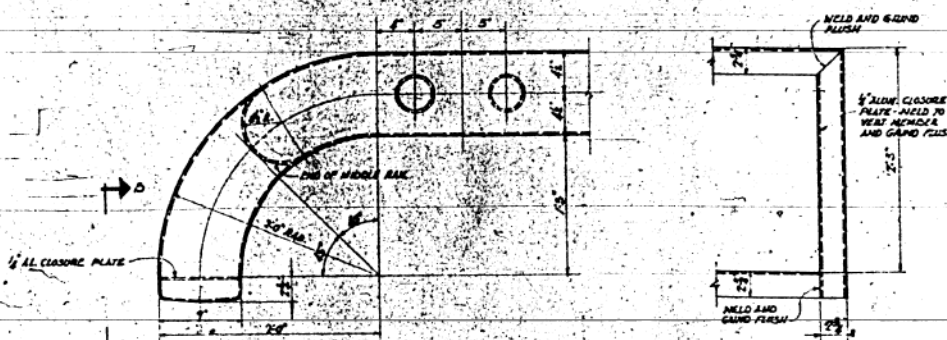
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	744
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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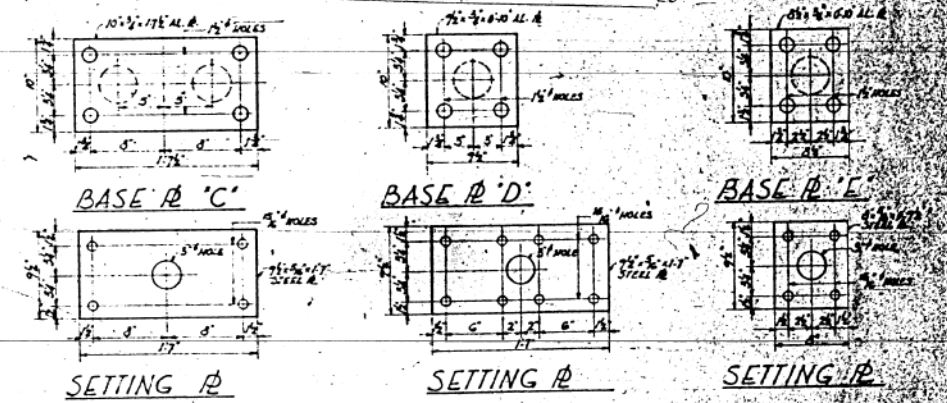
DATE	1/26/11
BY	WJC
CHECKED	JTF
DESIGNED	JTF
PROJECT	ADAMS ST BRIDGE
SHEET NO.	60X94



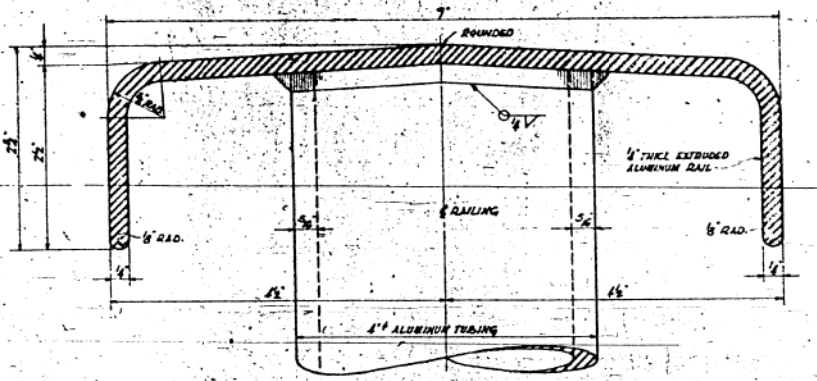
END POST ON N.E., S.E. & S.W. WING WALL POST AT ABUTMENTS TYPICAL POST EXPANSION POST 'X' POST 'F' TYPICAL RAILING SECTION



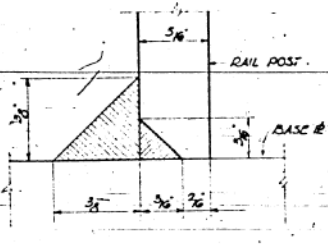
PLAN A-A ELEVATION B-B



BASE 'C' BASE 'D' BASE 'E' SETTING 'C' SETTING 'D' SETTING 'E'



TYPICAL RAIL DETAIL
SCALE: FULL SIZE



WELD DETAIL
RAIL POST TO BASE 'E'

NOTES
POSTS SHALL BE FABRICATED AND ERECTED TO CONFORM TO VERTICAL CURVE OF ROADWAY.
RAIL POSTS SHALL BE TRULY VERTICAL.
ALL EDGES AT THE ENDS OF EACH RAILING UNIT SHALL BE SLIGHTLY ROUNDED.

SHIM PLATES FOR RAIL POSTS
FURNISH ALUMINUM SHIMS CONSISTING OF ONE 1/2" SHIM AND TWO 1/4" SHIMS AT 50% OF RAILPOSTS FOR VERTICAL ADJUSTMENT OF POSTS. SIZE OF SHIMS AND SIZE AND SPACING OF HOLES SHALL BE SAME AS FOR BASE PLATES OF POSTS.

SPECIFICATIONS
ALUMINUM PLATES, TUBINGS AND SHIMS SHALL CONFORM TO A.S.T.M. SPECIFICATION B21-52T ALUMINUM COMPANY OF AMERICA OR REYNOLDS METALS COMPANY OR EQUAL.
ALUMINUM BOLTS AND NUTS SHALL CONFORM TO A.S.T.M. SPECIFICATION B21-52T ALLOY 6061-T6 ALUMINUM COMPANY OF AMERICA OR EQUAL WITH NO. 205 ALUMINITE FINISH.
WELDING OF ALUMINUM SHALL BE BY ARGON SHIELDED TUNGSTEN-ARC PROCESS, USING 405 (5% SILICON) ALUMINUM ALLOY WELDING WIRE.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
ADAMS ST. BRIDGE
SECTION 010 2-38
RAILING DETAILS

ALFRED BENESE & ASSOCIATES CONSULTING ENGINEERS
30 E. ADAMS ST.
CHICAGO, ILLINOIS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

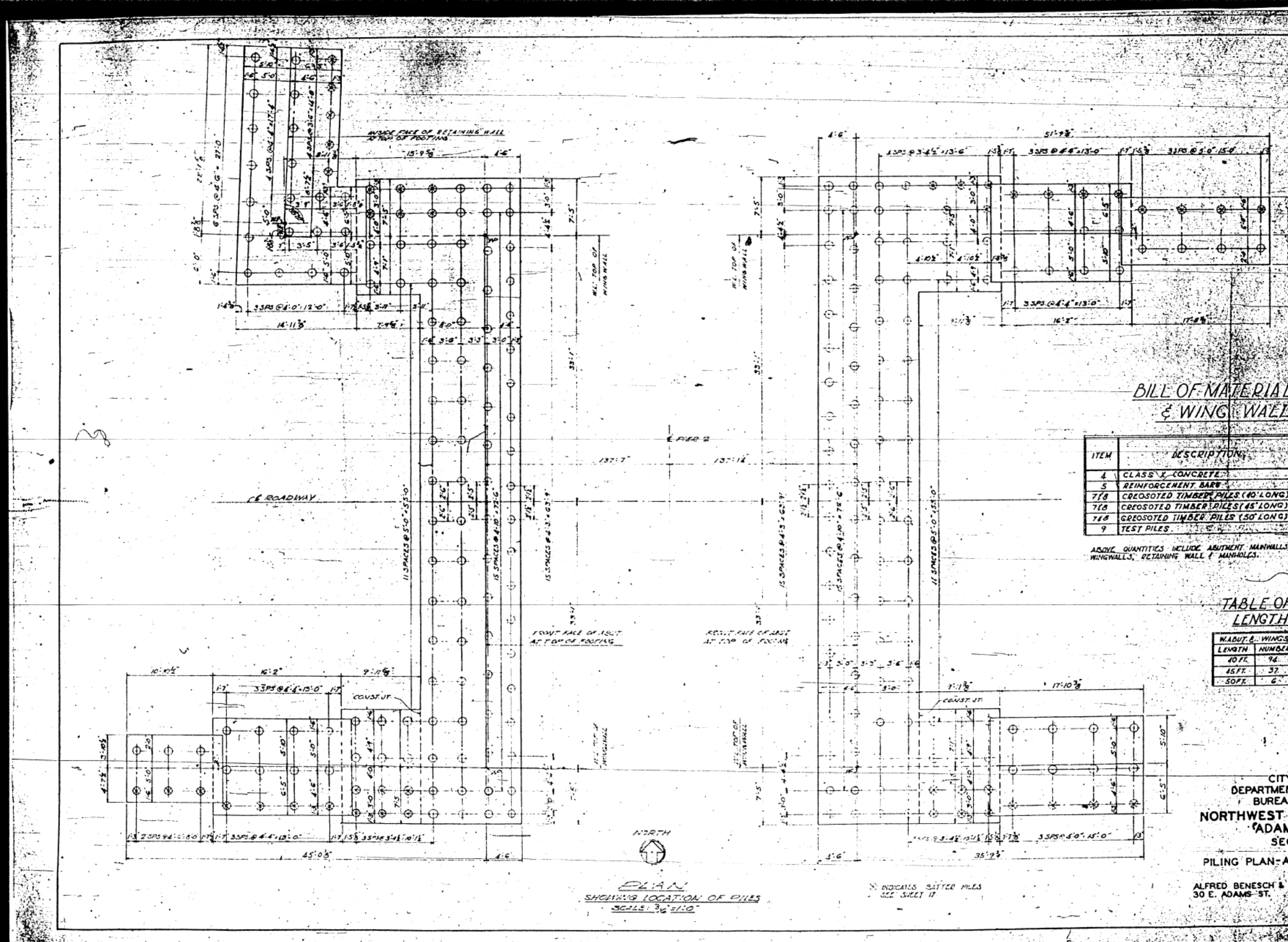
EXISTING RECORD DRAWINGS

SHEET NO. AB-065 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	745
			CONTRACT NO.	60X94
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

PROJECT NO.	REC.	COUNTY	SHEET NO.	TOTAL SHEETS
173	W&A	COOK	36	12
BY: _____	DATE: _____	TO: STA. _____		



BILL OF MATERIAL - ABUTS & WING WALLS

ITEM	DESCRIPTION	UNIT	QUANTITY	
			W.ABUT.	E.ABUT. & WINGS
4	CLASS 2 CONCRETE	CUYD	357.2	335.7
5	REINFORCEMENT BARS	LB.	35,450	33,410
7FB	CRESOTED TIMBER PILES (40' LONG)	LIN. FT.	3,740	3,800
7EB	CRESOTED TIMBER PILES (45' LONG)	LIN. FT.	1,665	1,080
7EB	CRESOTED TIMBER PILES (50' LONG)	LIN. FT.	1,300	400
9	TEST PILES	EACH	1	1

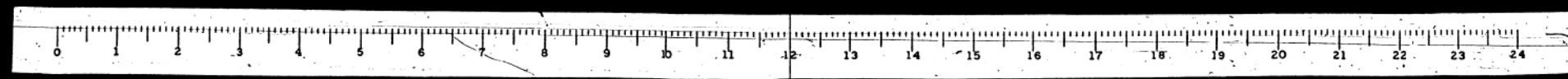
ABOVE QUANTITIES INCLUDE ABUTMENT MAIN WALLS, WING WALLS, RETAINING WALL & MANHOLES.

TABLE OF ESTIMATED LENGTH OF PILES

W.ABUT. & WINGS LENGTH	NUMBER	E.ABUT. & WINGS LENGTH	NUMBER
40 FT.	94	40 FT.	95
45 FT.	37	45 FT.	24
50 FT.	6	50 FT.	8

PLAN SHOWING LOCATION OF PILES SCALE: 3/8" = 1'-0"

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 ADAMS ST. BRIDGE
 SECTION 0101.2-3B
 PILING PLAN-ABUTMENTS & WING WALLS
 ALFRED BENESCH & ASSOCIATES-CONSULTING ENGINEERS
 30 E. ADAMS ST. CHICAGO, ILLINOIS



11:25:56 AM D:\60X94-SHT-AS-BUILT-066.dgn



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	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

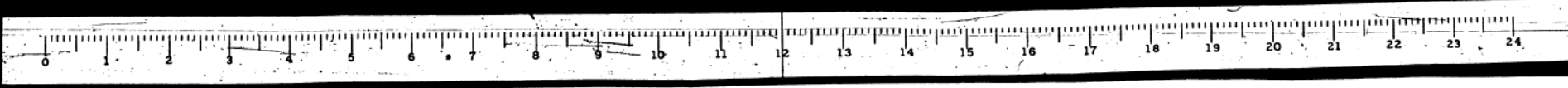
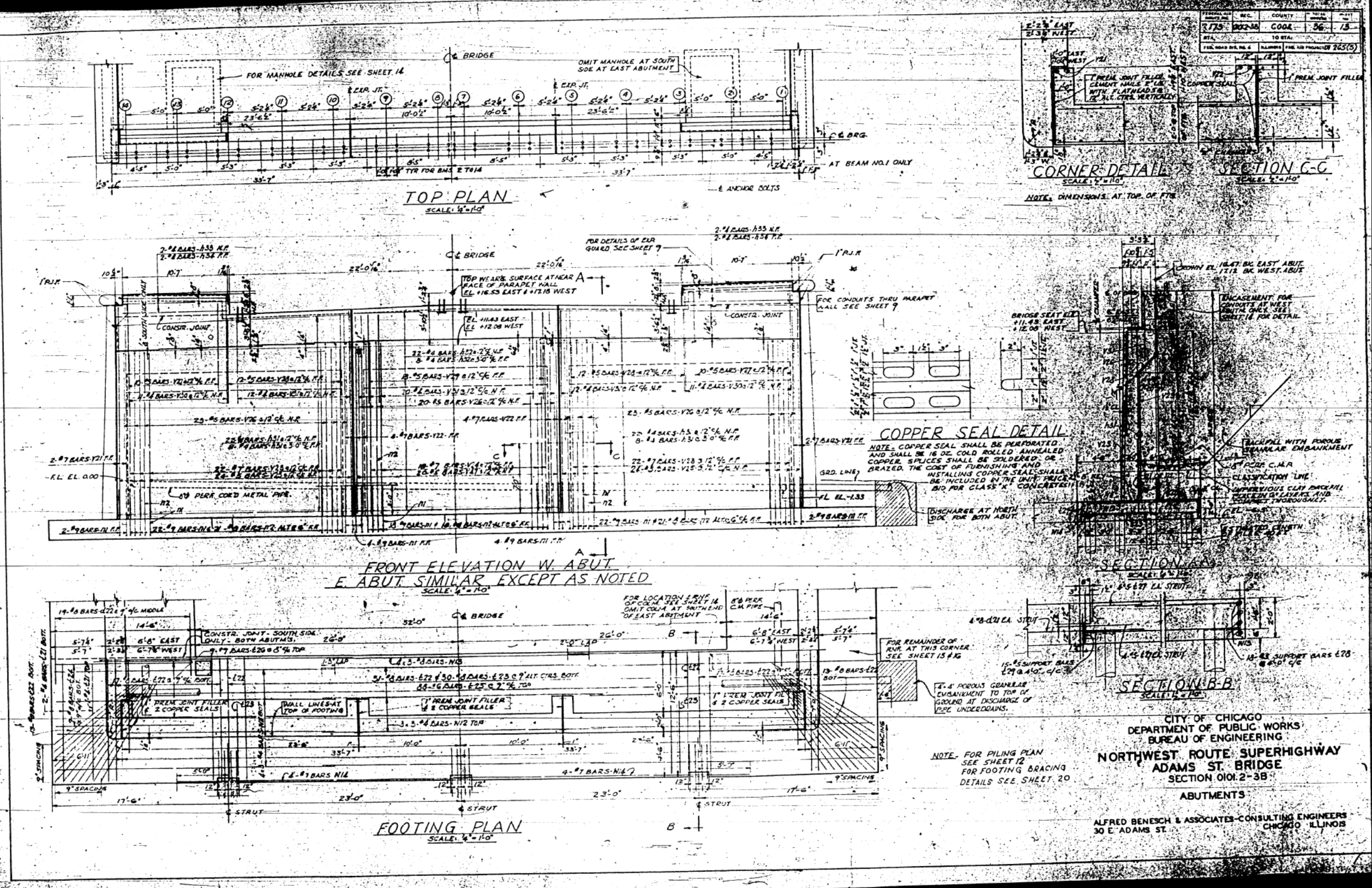
EXISTING RECORD DRAWINGS

SHEET NO. AB-066 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	746
CONTRACT NO.			60X94	

ILLINOIS FED. AID PROJECT

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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

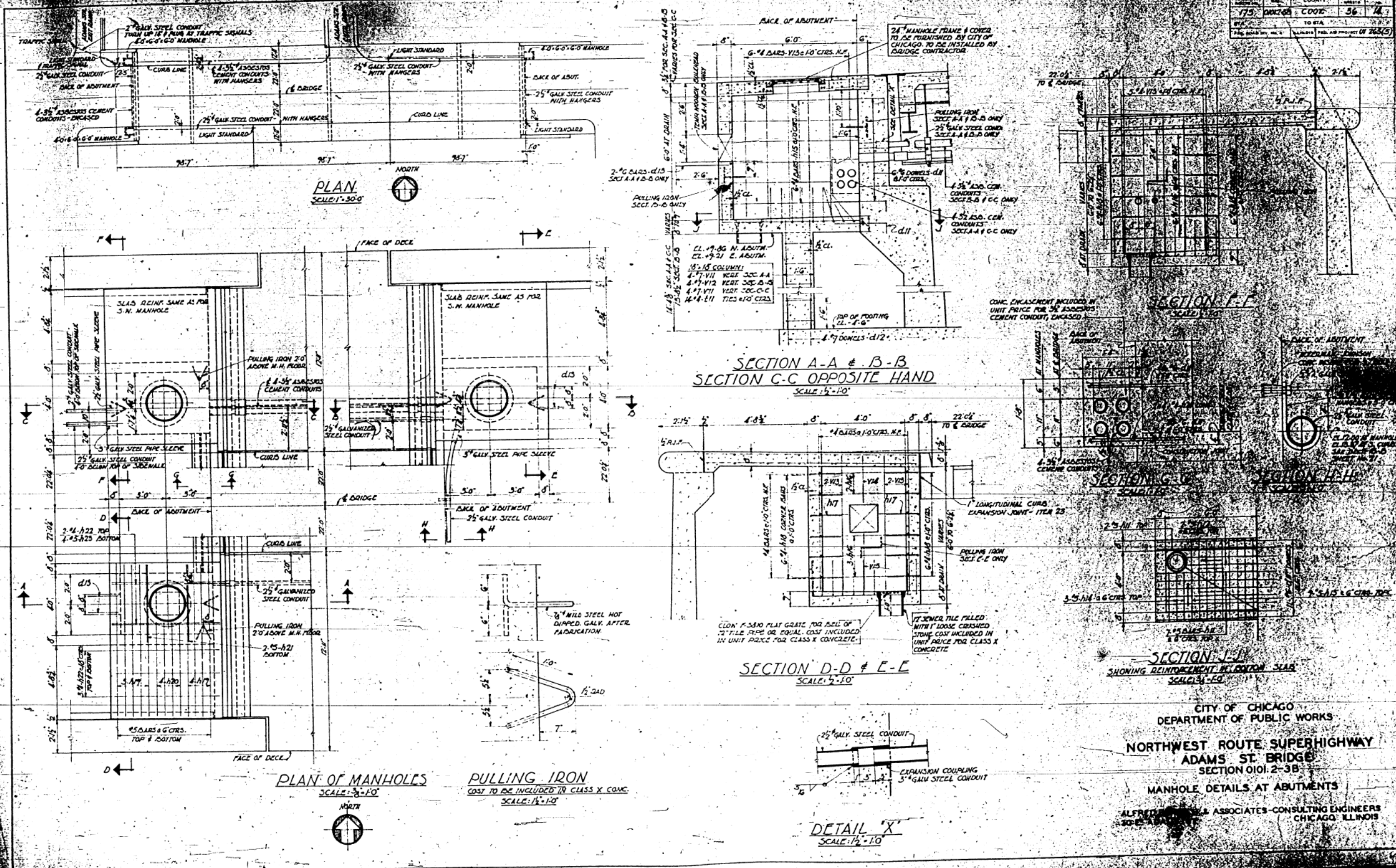
SHEET NO. AB-067 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	747
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
ADAMS ST. BRIDGE
SECTION 010: 2-3B
ABUTMENTS

ALFRED BENESCH & ASSOCIATES-CONSULTING ENGINEERS
30 E. ADAMS ST.
CHICAGO ILLINOIS

FOR INFORMATION ONLY



PROJECT NO.	75	DISTRICT	COOK	SHEET NO.	56	TOTAL SHEETS	74
DATE				BY			
CITY OF CHICAGO				ILLINOIS FED. AID PROJECT (F 2635)			

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
**NORTHWEST ROUTE SUPERHIGHWAY
ADAMS ST. BRIDGE**
SECTION 0101-2-3B
MANHOLE DETAILS AT ABUTMENTS

ALFRED... & ASSOCIATES - CONSULTING ENGINEERS
CHICAGO, ILLINOIS



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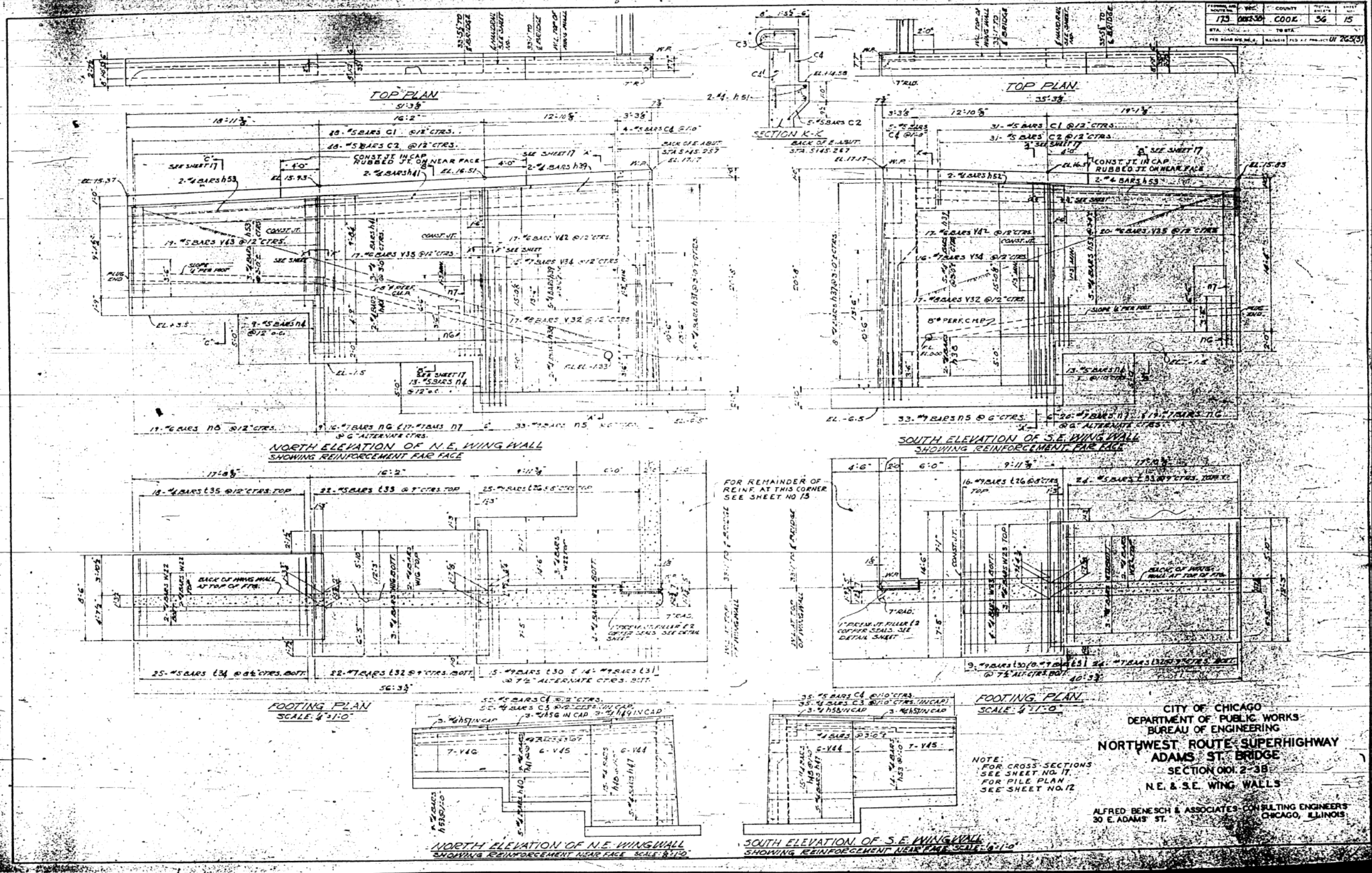
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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-068 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	748
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				



PROJECT NO.	173	COUNTY	COOK	SHEET NO.	56	TOTAL SHEETS	15
DATE	10/17/70	BY		SCALE			
DESIGNED BY		CHECKED BY		DRAWN BY			



CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 ADAMS ST BRIDGE
 SECTION 001.2-3B
 N.E. & S.E. WING WALLS

ALFRED BENECH & ASSOCIATES CONSULTING ENGINEERS
 30 E. ADAMS ST.
 CHICAGO, ILLINOIS

NOTE:
 FOR CROSS SECTIONS
 SEE SHEET NO. 17.
 FOR PILE PLAN
 SEE SHEET NO. 12.

11:26:25 AM
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USER NAME = v1janachone
 DESIGNED - JTF
 CHECKED - WJC
 PLOT SCALE = NTS
 DRAWN - JTF
 PLOT DATE = 3/6/2020
 CHECKED - WJC

DESIGNED - JTF
 CHECKED - WJC
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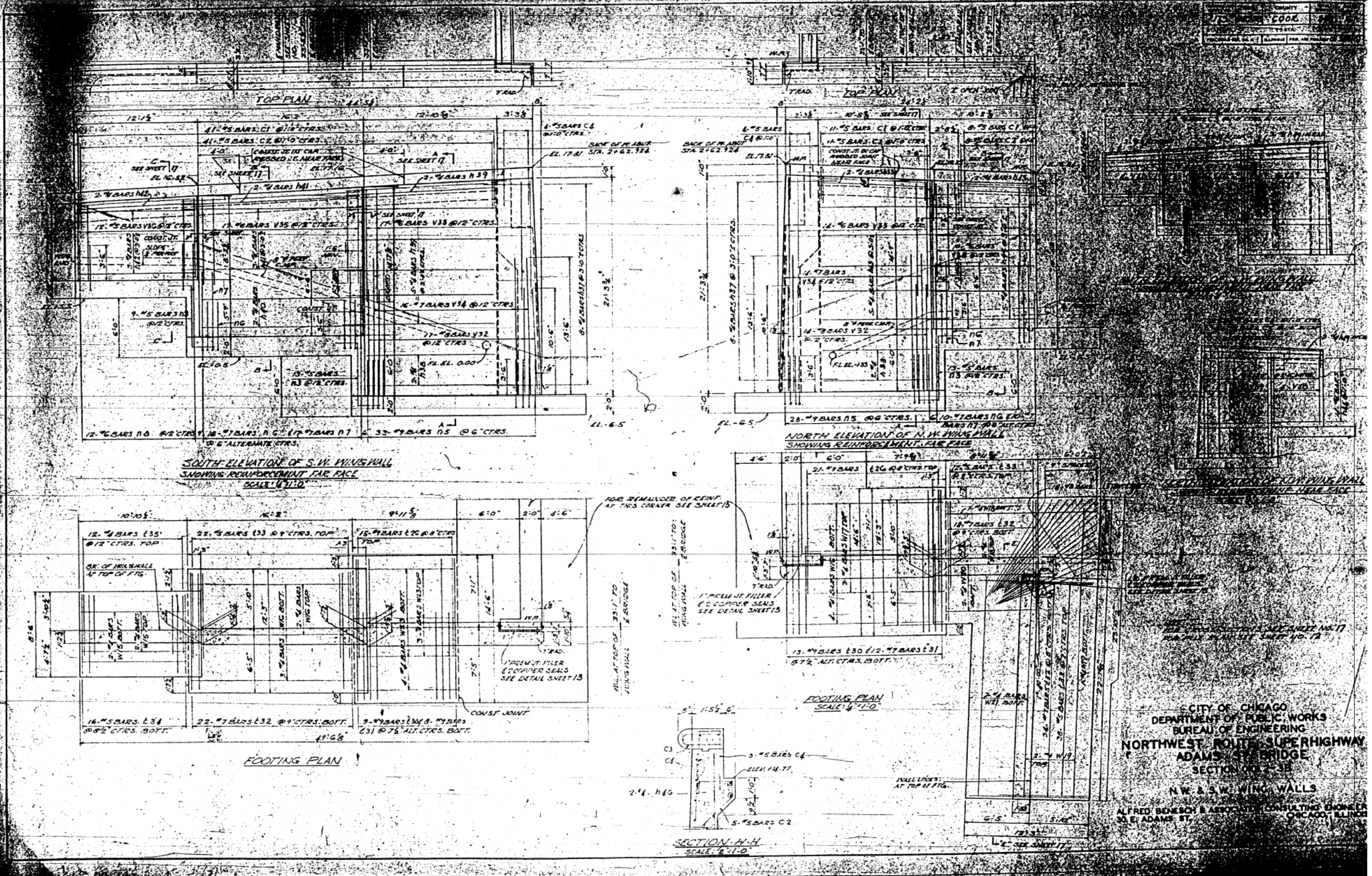
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

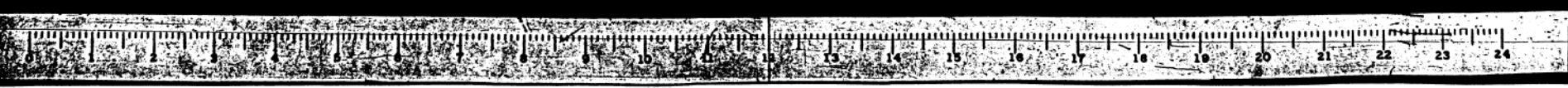
EXISTING RECORD DRAWINGS

SHEET NO. AB-069 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	749
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				



CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**NORTHWEST ROUTE SUPERHIGHWAY
 ADAMS STREET BRIDGE**
 SECTION NO. 38
 NW & SW WING WALLS
 ALFRED BENECH & ASSOCIATES CONSULTING ENGINEERS
 30 E. ADAMS ST. CHICAGO, ILLINOIS



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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

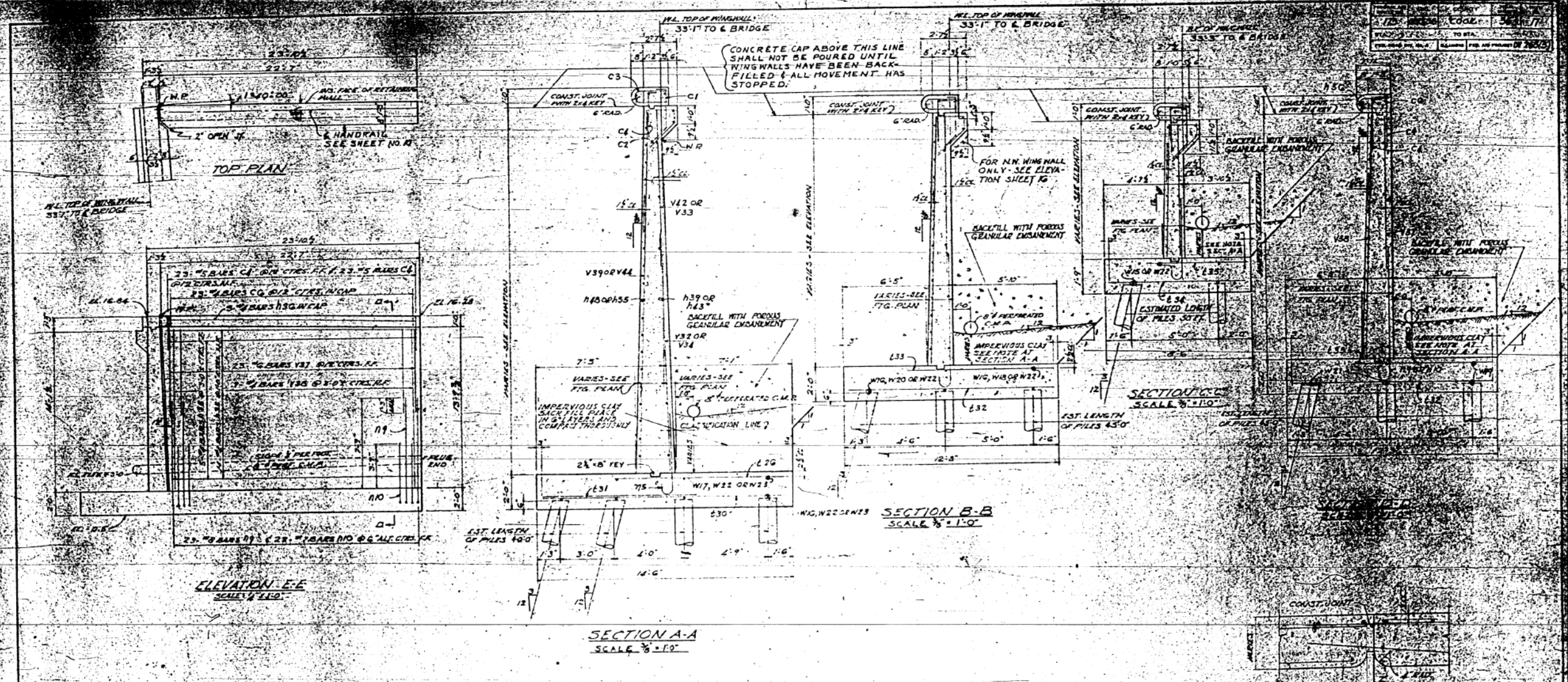
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-070 OF AB-145 SHEETS

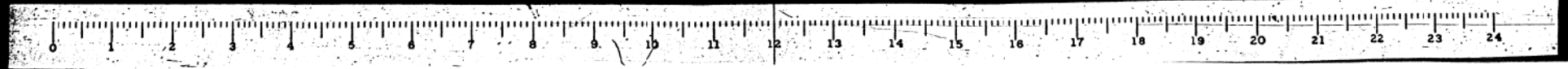
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	750
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



NOTE:
FOR ELEVATIONS & FOOTING PLANS
SEE SHEET NO. 15 #16
FOR PILE PLAN SEE SHEET NO. 12

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
ADAMS ST. BRIDGE
SECTION 010.2-3B
WING WALL SECTIONS
ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS
30 E. ADAMS ST.
CHICAGO, ILLINOIS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

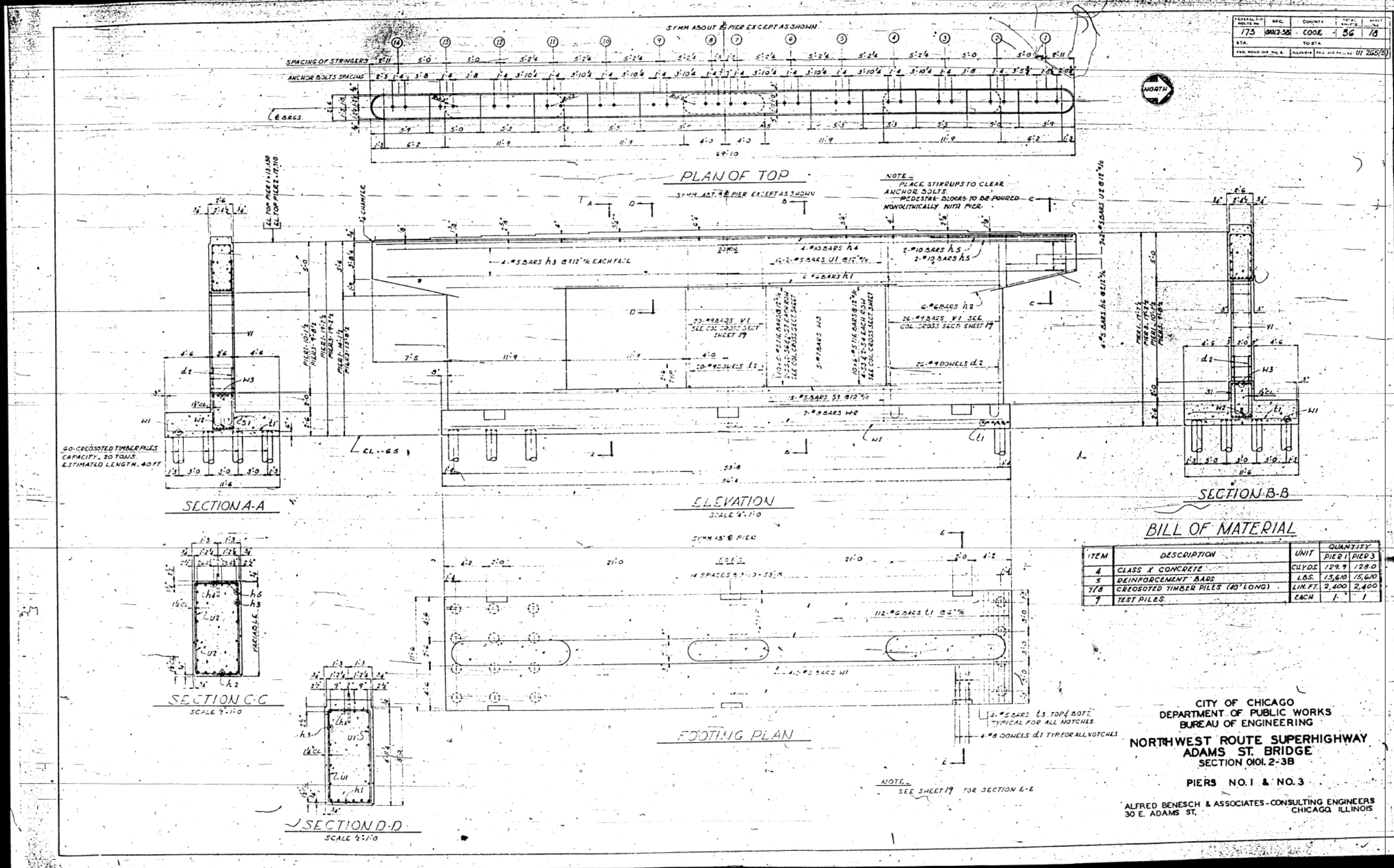
EXISTING RECORD DRAWINGS

SHEET NO. AB-071 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	751
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

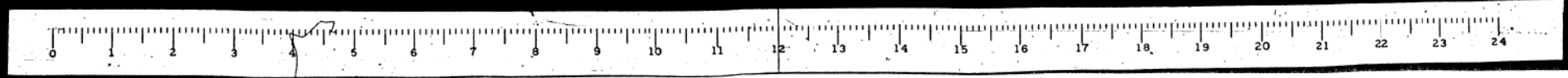
FEDERAL AID DIST. NO.	SEC.	COUNTY	TOWNSHIP	RANGE
173	001230	COOK	56	18
STA.	TO STA.			
FOR ROAD DIST. NO. 4	ALABAMA	NO. 010	NO. 010	UI 265(B)



BILL OF MATERIAL

ITEM	DESCRIPTION	UNIT	QUANTITY
4	CLASS X CONCRETE	CUY.DS	129.9 129.0
5	REINFORCEMENT BARS	LBS.	15,610 15,610
7/8	CROSSOTED TIMBER PILLS (40' LONG)	LIN. FT.	2,400 2,400
9	TEST PILES	EACH	1 1

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 ADAMS ST. BRIDGE
 SECTION 0101.2-3B
 PIERS NO. 1 & NO. 3
 ALFRED BENESCH & ASSOCIATES-CONSULTING ENGINEERS
 30 E. ADAMS ST. CHICAGO, ILLINOIS



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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

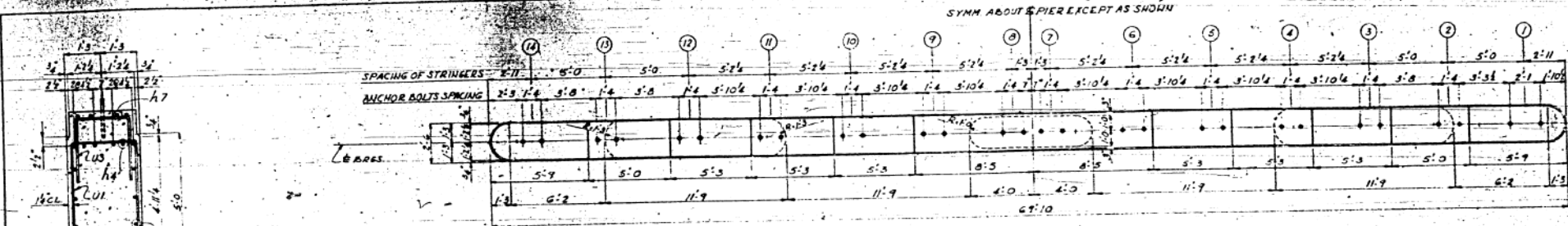
EXISTING RECORD DRAWINGS

SHEET NO. AB-072 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

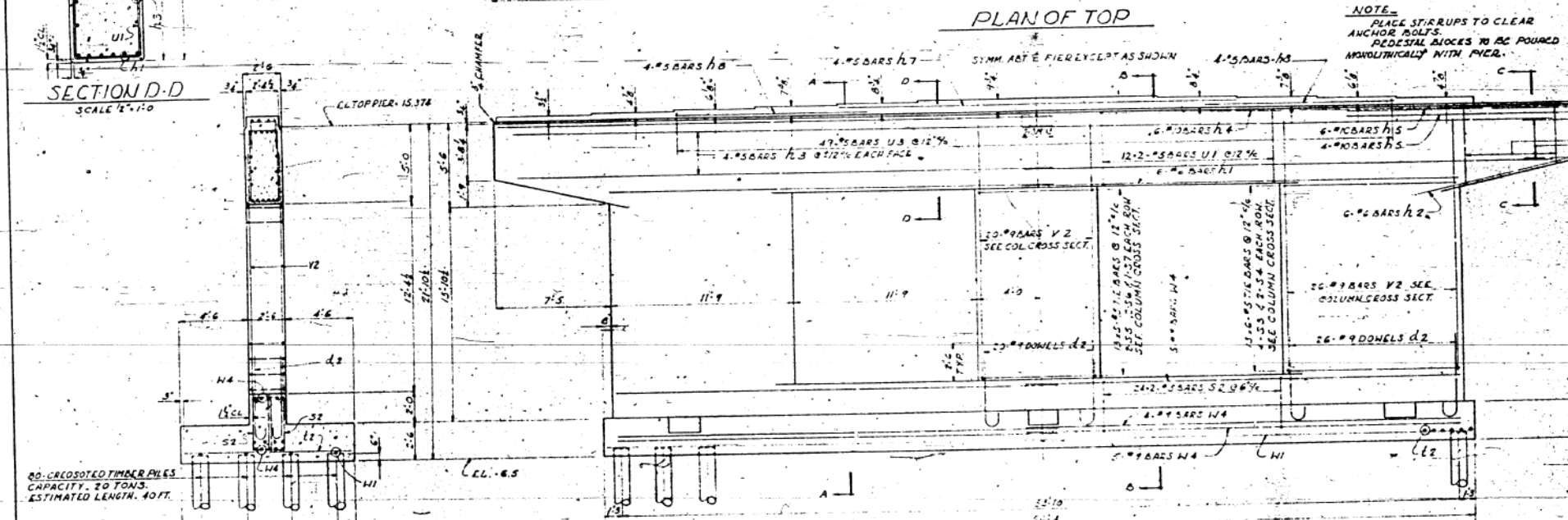
FOR INFORMATION ONLY

PROJECT NO.	173 002-58	COUNTY	COOK	SHEET NO.	56	DATE	1/9
SCALE	AS SHOWN	PROJECT	01 265(5)				



SECTION D-D
SCALE 2"=1'-0"

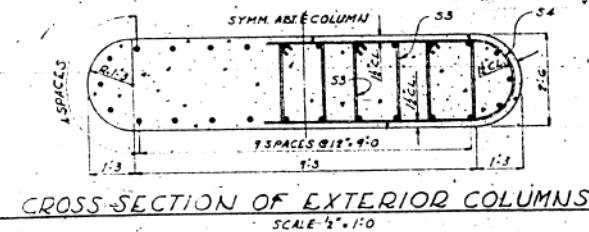
SECTION C-C
SCALE 2"=1'-0"



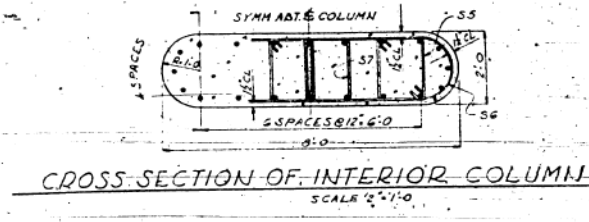
ELEVATION
SCALE 4"=1'-0"

SECTION A-A
SCALE 4"=1'-0"

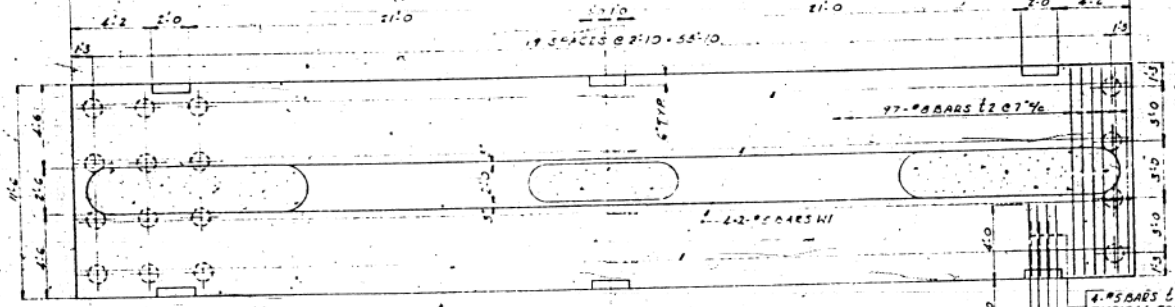
SECTION B-B
SCALE 4"=1'-0"



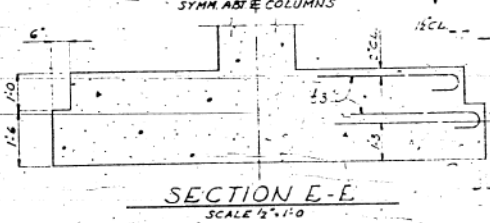
CROSS-SECTION OF EXTERIOR COLUMNS
SCALE 4"=1'-0"



CROSS-SECTION OF INTERIOR COLUMN
SCALE 4"=1'-0"



FOOTING PLAN
SCALE 4"=1'-0"



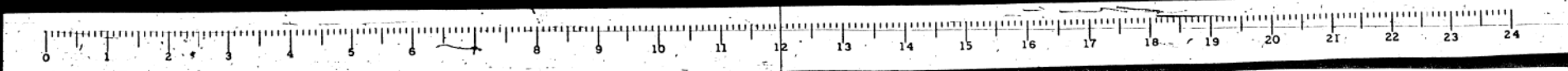
SECTION E-E
SCALE 2"=1'-0"

BILL OF MATERIAL

ITEM	DESCRIPTION	UNIT	QUANTITY
4	CLASS I CONCRETE	CUYD	136.1
5	REINFORCEMENT BARS	LBS	22,020
7E	CRECOTED TIMBER PILES (40' LONG)	LIN FT	3,200
9	TEST PILES	EACH	1

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
ADAMS ST. BRIDGE
SECTION 0101.2-3B

PIER NO. 2
ALFRED BENESCH & ASSOCIATES-CONSULTING ENGINEERS
30 E. ADAMS ST. CHICAGO, ILLINOIS



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USER NAME = v1janachone
PLOT SCALE = NTS
PLOT DATE = 3/6/2020

DESIGNED - JTF
CHECKED - WJC
DRAWN - JTF
CHECKED - WJC

REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

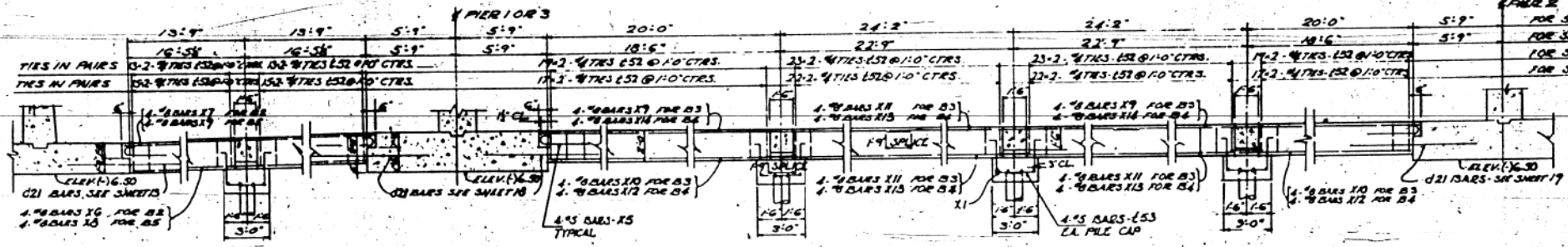
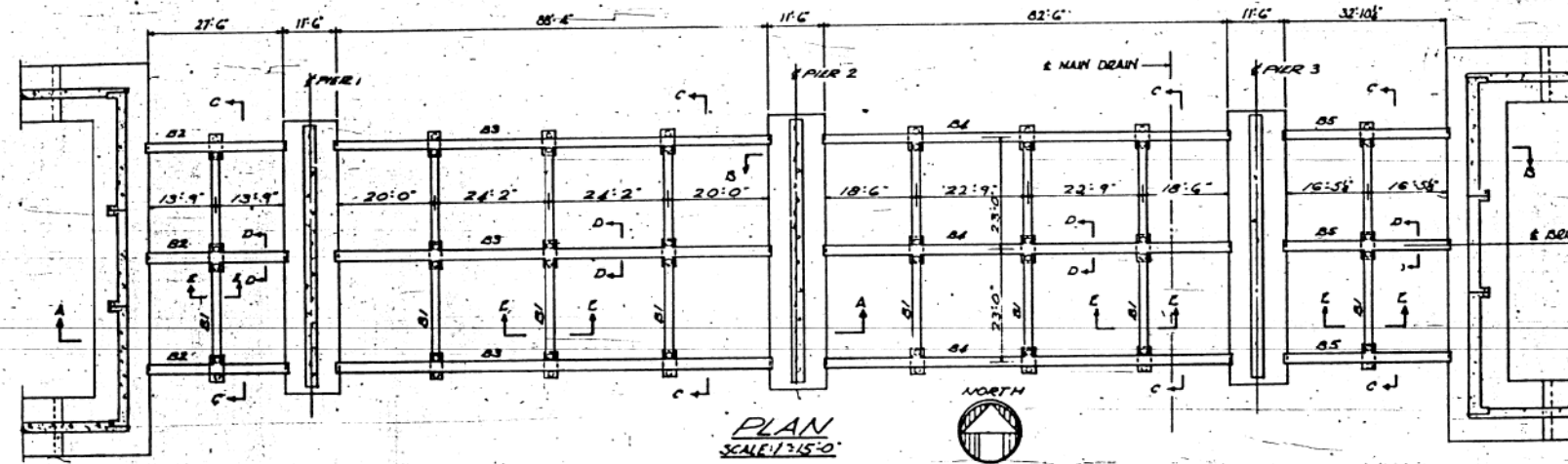
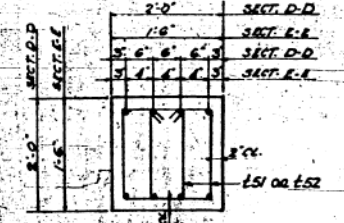
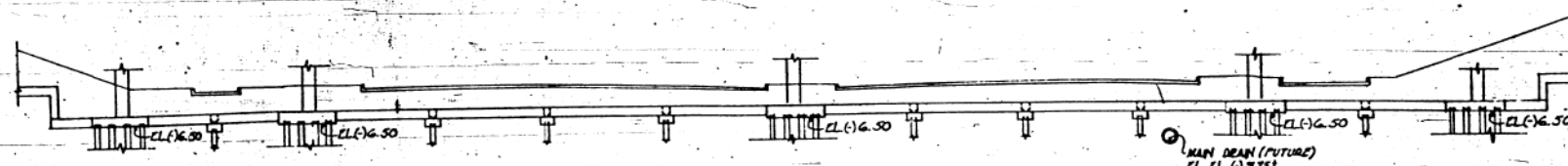
EXISTING RECORD DRAWINGS

SHEET NO. AB-073 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	753
			CONTRACT NO.	60X94
ILLINOIS FED. AID PROJECT				

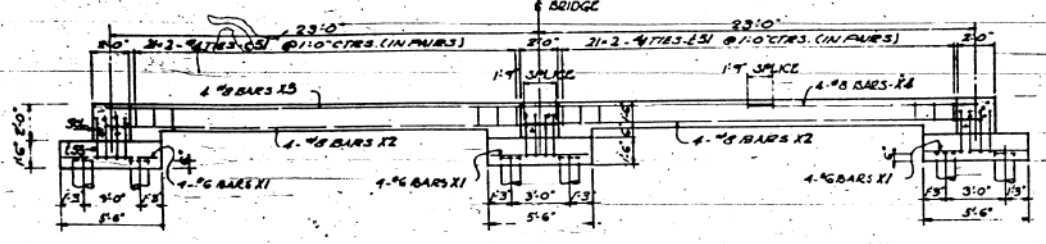
FOR INFORMATION ONLY

PROJECT NO.	173	REC'D	COOL	SHEET NO.	36	TOTAL SHEETS	40
DATE		BY		PROJECT			



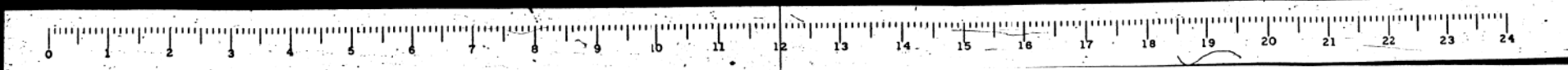
BILL OF MATL. - FOOTING BRACING

ITEM	DESCRIPTION	UNIT	QUANTITY
4	CLASS 2 CONCRETE	CU. YDS.	154.5
5	REINFORCEMENT BARS	LBS.	33,420
7/8	CREO. TIMBER PILES (40 FT LONG)	LN. FT.	1980



NOTE:
FOOTING BRACING TO BE IN PLACE BEFORE ABUTMENTS ARE BACKFILLED.
PILING - CREO. TIMBER PILES
CAPACITY - 20 TONS
ESTIMATED LENGTH - 40 FT
40 REQUIRED

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
ADAMS ST. BRIDGE
SECTION 001.2-3B
FOOTING BRACING DETAILS
ALFRED BENESCH & ASSOCIATES-CONSULTING ENGINEERS
30 E. ADAMS ST.
CHICAGO, ILLINOIS



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PLOT DATE = 3/6/2020	CHECKED - WJC	REVISED -

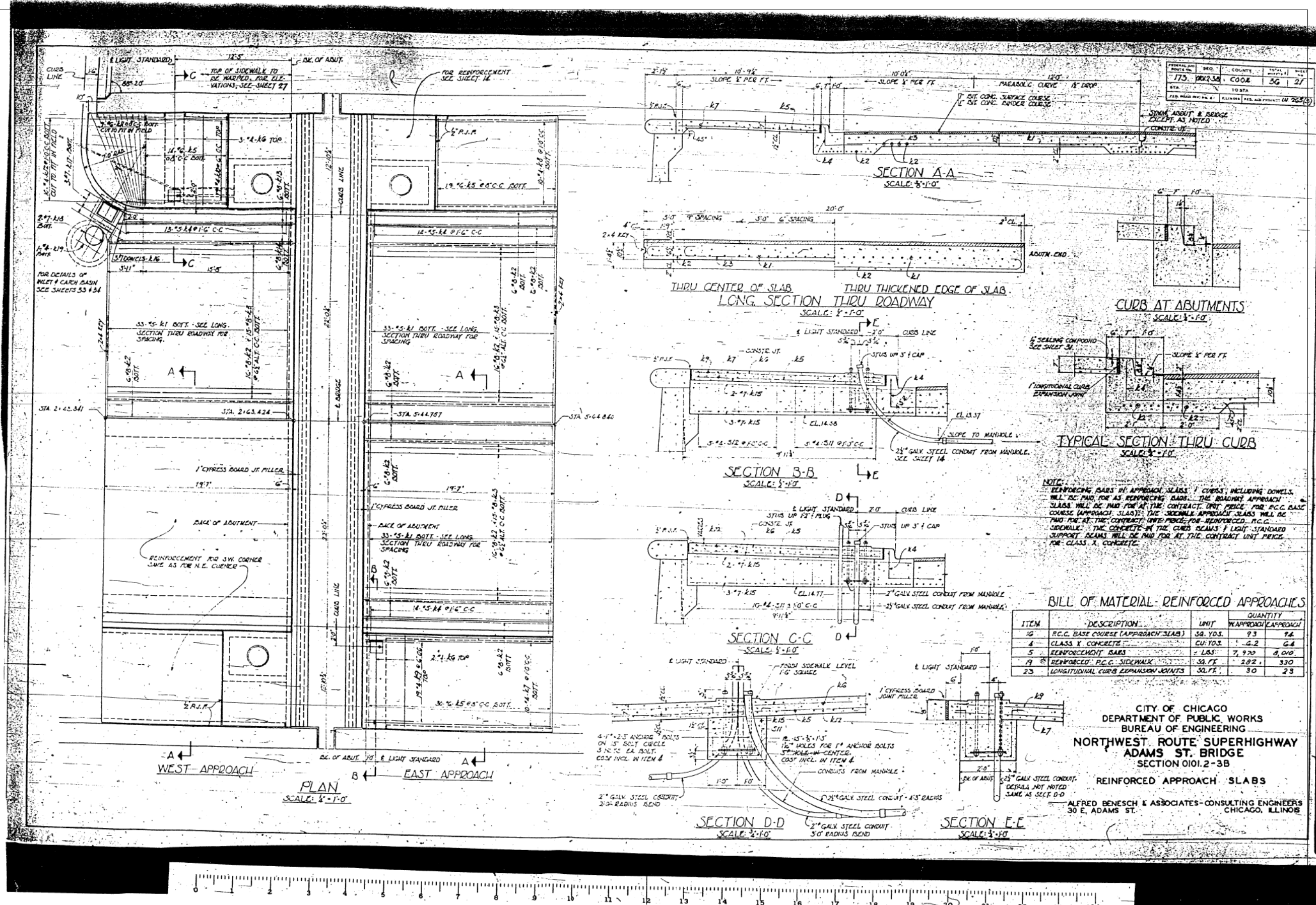
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-074 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	754
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



PROJECT NO.	175	SECTION	001	COUNTY	COOK	TOTAL SHEETS	36	SHEET NO.	27
DATE	10/27/94	BY	WJC	DESIGNED BY	JTF	CHECKED BY	WJC	DRAWN BY	JTF

NOTE:
 REINFORCING BARS IN APPROACH SLABS, CURBS, INCLUDING DOWNLAPS, SHALL BE PAID FOR AS REINFORCING BARS. THE ROADWAY APPROACH SLABS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR R.C.C. BASE COURSE (APPROACH SLABS); THE SIDEWALK APPROACH SLABS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR REINFORCED R.C.C. SIDEWALKS. THE CONCRETE IN THE CURB BEAMS & LIGHT STANDARD SUPPORT BEAMS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR CLASS X CONCRETE.

BILL OF MATERIAL - REINFORCED APPROACHES

ITEM	DESCRIPTION	UNIT	QUANTITY	APPROXIMATE APPROACH
10	R.C.C. BASE COURSE (APPROACH SLAB)	SQ. YDS.	93	9.6
4	CLASS X CONCRETE	CU. YDS.	4.2	0.4
5	REINFORCING BARS	LBS.	7,920	8,000
19	REINFORCED R.C.C. SIDEWALK	SQ. FT.	282	330
23	LONGITUDINAL CURB EXPANSION JOINTS	SQ. FT.	30	28

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
ADAMS ST. BRIDGE
 SECTION 0101.2-3B
REINFORCED APPROACH SLABS
 ALFRED BENESCH & ASSOCIATES - CONSULTING ENGINEERS
 30 E. ADAMS ST.

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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
 SHEET NO. AB-075 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	755
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

Structure Description: S.N. 016-0588, Built in 1958 as FA Route 173, Sec. 01012-2B. The Jackson Boulevard Bridge over I-90/94 is a three-span (11,506 m, 25,603 m, 22,555 m) continuous, multi-stringer steel bridge that carries four east bound traffic lanes and two sidewalks. Bridge width is 14,630 m with two 3,048 m sidewalks. Entrance Ramp "A" is a three-span, (16,764 m, 16,764 m, 16,764 m) simply supported, multi-stringer composite steel bridge. Ramp width is 5.48 m. Ramp "A" carries one lane of traffic from the north side of the Jackson Boulevard bridge onto north bound I-90/94 Kennedy Expressway.

Bench Mark: ** Cut in South Sidewalk of Jackson Boulevard at N.W. Corner of #763 W. Jackson Boulevard (Sta. 1+275). El. 180.959.

Staging: Structure to be closed during construction.
Salvage: None.

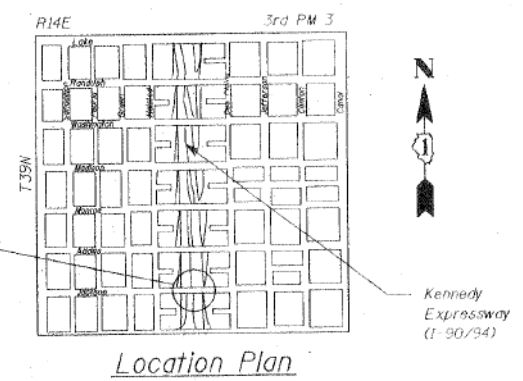
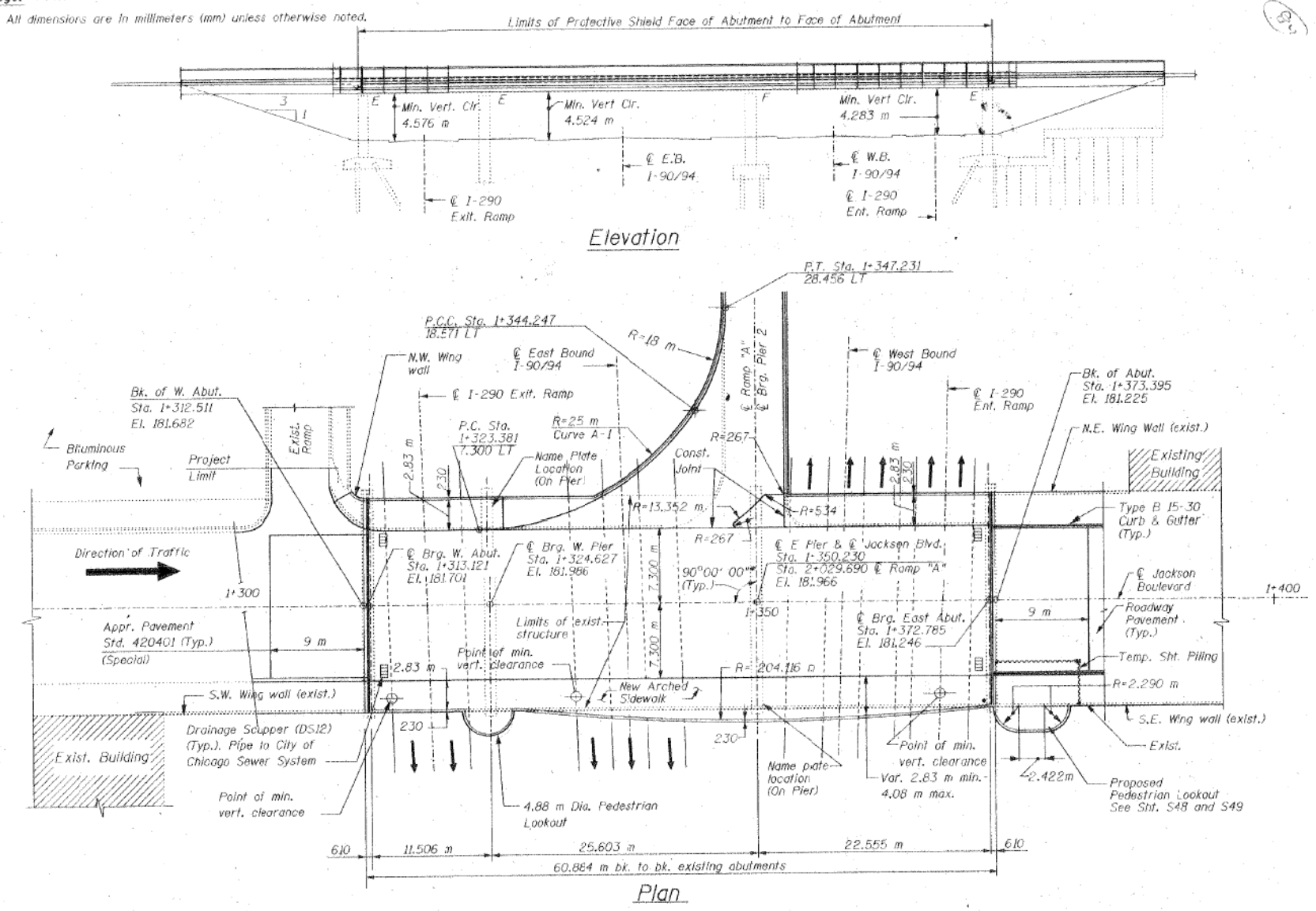
Note: All dimensions are in millimeters (mm) unless otherwise noted.

90/94	0101-2-1B-R-1	COOK	226	22
STA. 1+350.230	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS FED. AID PROJECT			
S-1 of 49				

STATION 01-350.230
 REBUILT 2000 BY
 STATE OF ILLINOIS
 F.A.U. RTE. 1422
 SEC 0101-2-1B-R-1
 LOADING MS 18
 STR. NO. 016-0588

NAME PLATE
 Sta. 51500!

Note: Clean existing name plates cost included with "Name Plates"
 New name plates shall be attached adjacent to the existing name plate.



Design Specifications

1995 Seismic Retrofitting Manual for Highway Bridges (FHWA-RD-94-052)
 1996 A.A.S.H.T.O. and 1997 & 1998 Interims.

Loading MS18

Allow 1.2 k/m² for future wearing surface

Design Stresses

New Construction

$f'_c = 24 \text{ MPa}$
 $f_y = 400 \text{ MPa (Reinf.)}$
 $f_y = 250 \text{ MPa (M270 M Grade 250)}$
 $f_y = 345 \text{ MPa (M270 M Grade 345)}$

Existing Construction

$f_c = 20 \text{ MPa}$
 $f_s = 275 \text{ MPa (Reinf.)}$
 $f_s = 230 \text{ MPa (Structural Steel)}$

Seismic Data

Seismic Performance Category (SPC) = A
 Bedrock Acceleration Coefficient (A) = 0.04
 Site Coefficient (S) = 2.0

* Angle Shown is taken from the plans of the existing structure. The contractor must verify the angle prior to fabrication of any material.

STV Incorporated
 Engineers/Architects/Planners/Construction Managers
 70 W. Madison St. Chicago, IL 60602-4207

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 GENERAL PLAN
 JACKSON BOULEVARD, FAU 1422 OVER
 JOHN F. KENNEDY EXPRESSWAY, FAI 90/94
 SECTION 0101-2-1B-R-1 COOK COUNTY
 STATION 1+350.230 STRUCTURE NO. 016-0588
 DESIGNED BY J.D.G. DRAWN BY C.J.I.
 DATE 4-00 CHECKED BY J.W. CHECKED BY J.D.G.

11:27:30 AM D:\60X94-SHT-AS-BUILT-076.dgn



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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

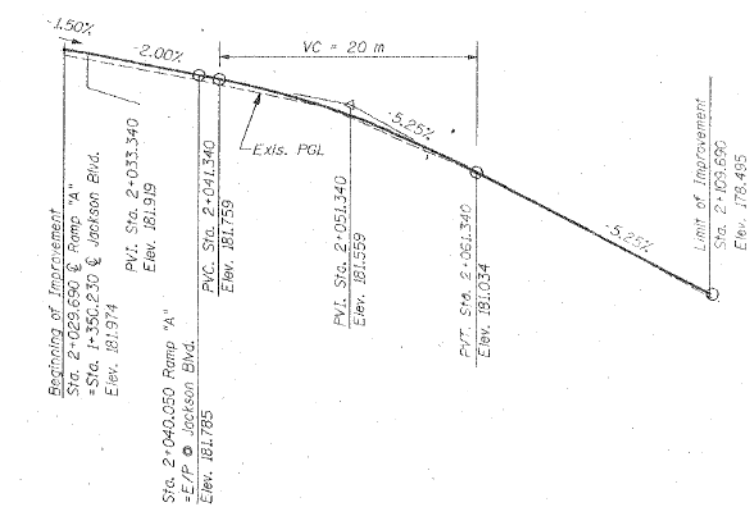
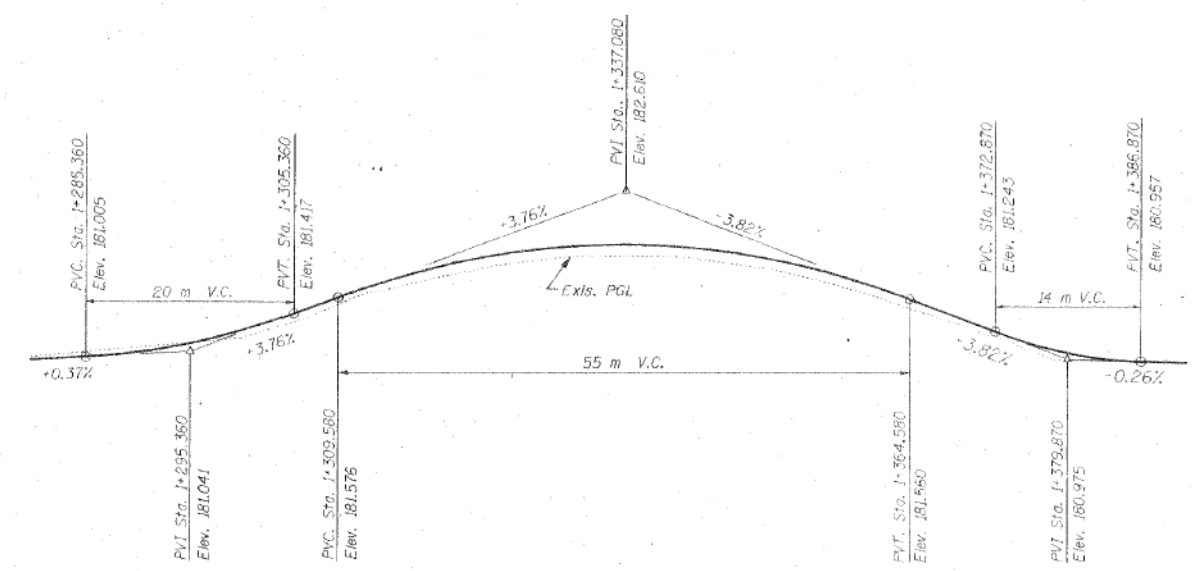
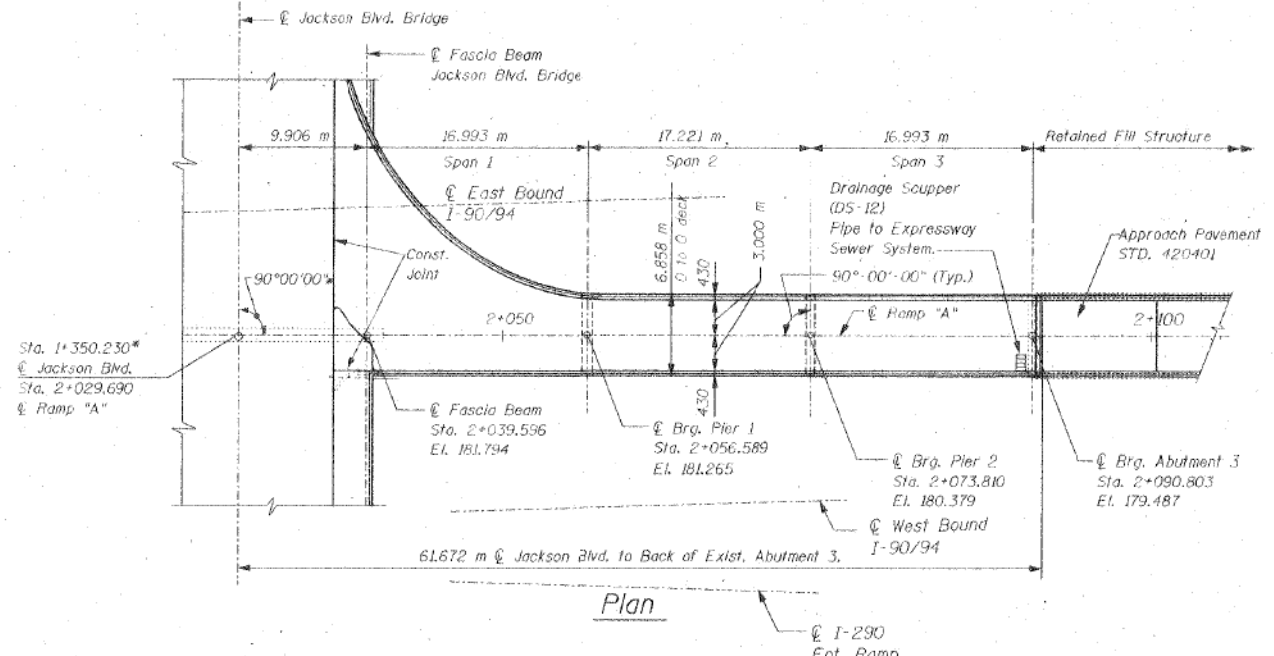
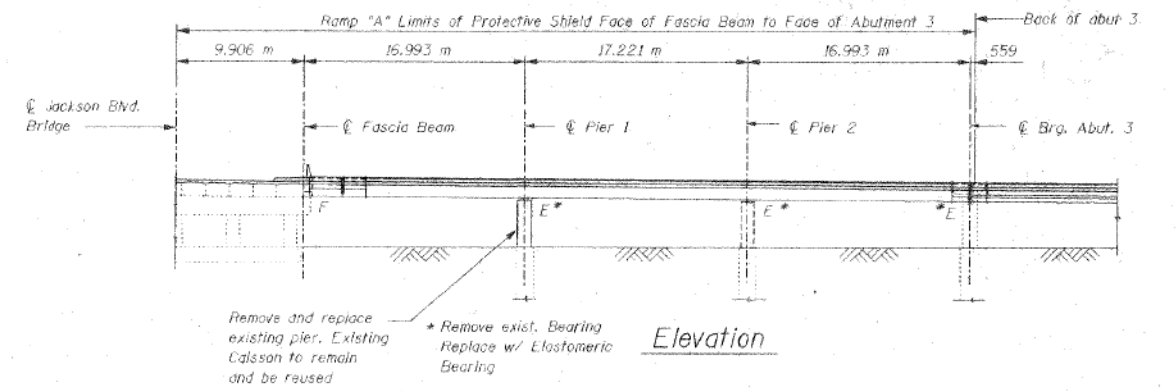
EXISTING RECORD DRAWINGS

SHEET NO. AB-076 OF AB-145 SHEETS

F.A.I. RTE. 90/94	SECTION 2014-015R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 756
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

RTE.	SECTION	COUNTY	SHEETS NO.	TOTAL SHEETS
90/94	0101-2-1B-R-1	COOK	226	23
STA. 1+350.230 TO STA.				
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
S-2 of 49				



* Stationing and angle for ramp location is based on the plans of the existing structure. The contractor must verify the location prior to fabrication of any material.

Note: All dimensions are in millimeters (mm) unless otherwise noted.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL PLAN - RAMP "A" JACKSON BOULEVARD, FAI 1422 OVER JOHN F. KENNEDY EXPRESSWAY, FAI 90/94 SECTION 0101-2-1B-R-1 COOK COUNTY STATION 1+350.230 STRUCTURE NO. 016-0588 DESIGNED BY J.D.G. DRAWN BY C.U.
NAME	DATE	
		DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.

STV Incorporated
Engineers/Architects/Planners/Construction Managers
70 W. Madison St. Chicago, IL 60602-4207

11:27:38 AM D:\60X94-SHT-AS-BUILT-077.dgn



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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

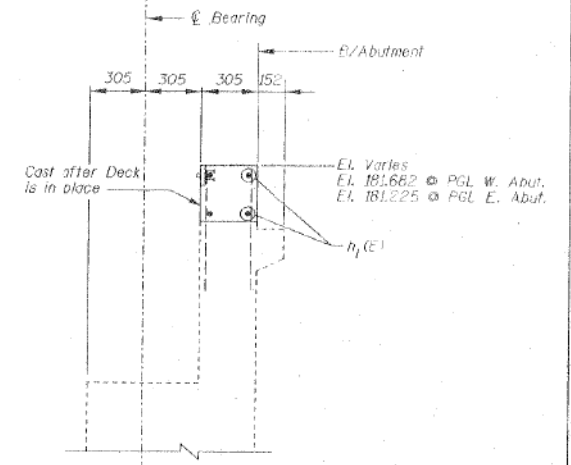
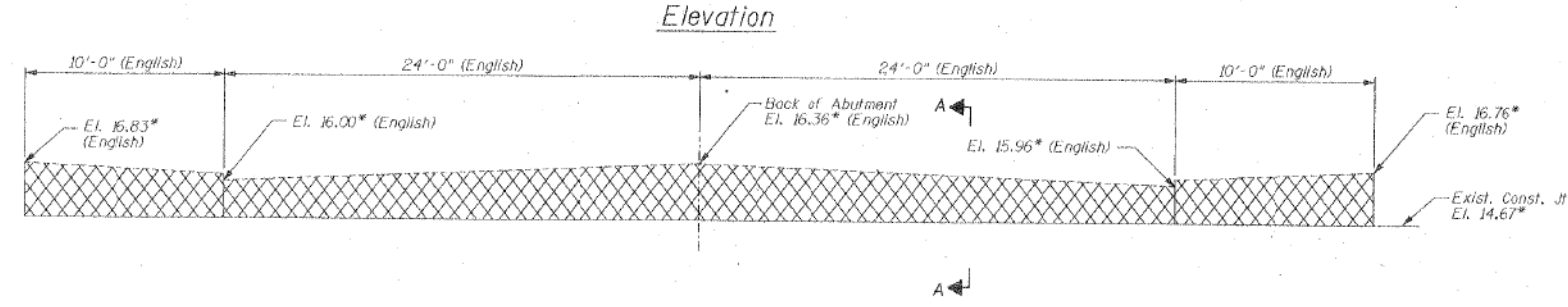
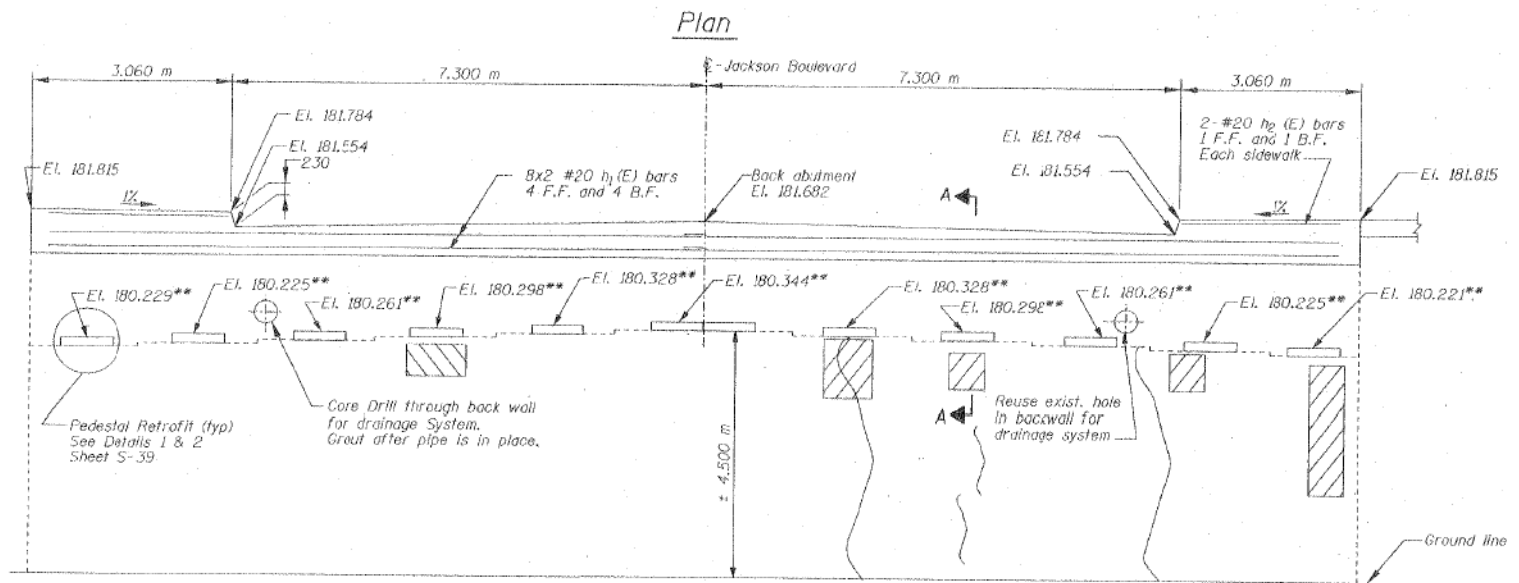
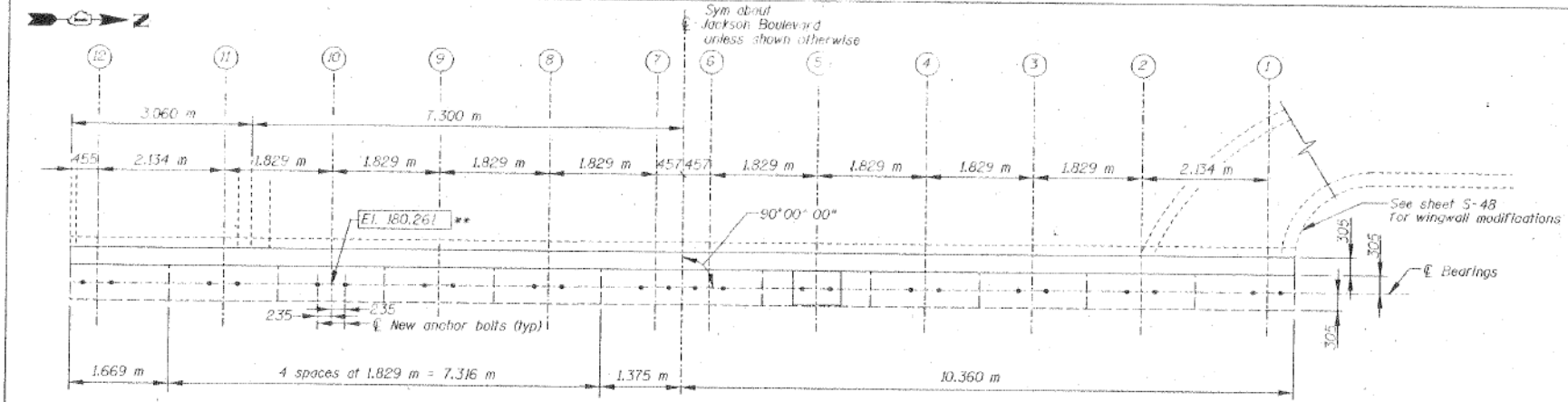
EXISTING RECORD DRAWINGS

SHEET NO. AB-077 OF AB-145 SHEETS

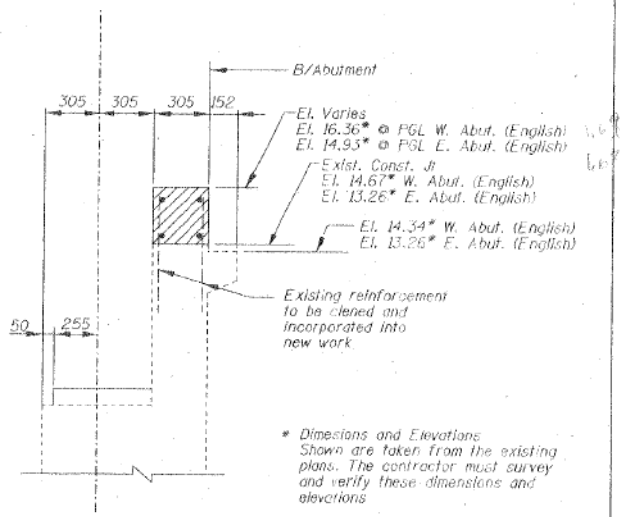
F.A.I. RTE. 90/94	SECTION 2014-015R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 757
CONTRACT NO. 60X94				ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0101-2-18-R-1	COOK	220	59
STA. 1+350.230 TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		5-38 of 49		



**** Note "E"**
Proposed bearing pad elevations are shown for reference only. Prior to removal of existing bearings, the contractor shall survey and determine the elevations of the tops of existing beams 2 thru 11. The contractor shall adjust the proposed bearing pad elevations and heights to maintain the elevations of the top of beams elevation for the new bearings.



- Concrete Removal
- High Performance Enhanced Shotcrete
- Epoxy Crack Sealing

- NOTES:**
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. Space reinforcement in cap to miss anchor bolts.
 3. All edges shall have standard 20 mm chamfers except as noted.
 4. Bonded Construction joint shall be in accordance with Article 503.09 of the Standard Specifications.
 5. See sheet S-39 for Bill of Material.

Note: All dimensions are in millimeters (mm) unless otherwise noted.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WEST ABUTMENT
JACKSON BOULEVARD, FAI 1422 OVER
JOHN F. KENNEDY EXPRESSWAY, FAI 90/94
SECTION 0101-2-18-R-1 COOK COUNTY
STATION 1+350.230 STRUCTURE NO. 016-0588
DESIGNED BY J.D.C. DRAWN BY C.U.
DATE 4-00 CHECKED BY E.K. CHECKED BY J.D.C.

STV Incorporated
Engineers/Architects/Planners/Construction Managers
70 W. Madison St. Chicago, IL 60602-4207

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-078 OF AB-145 SHEETS

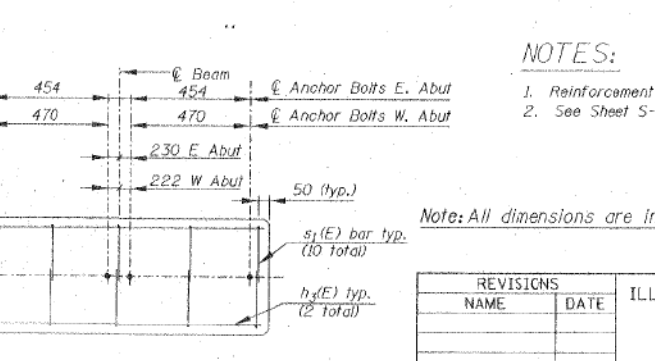
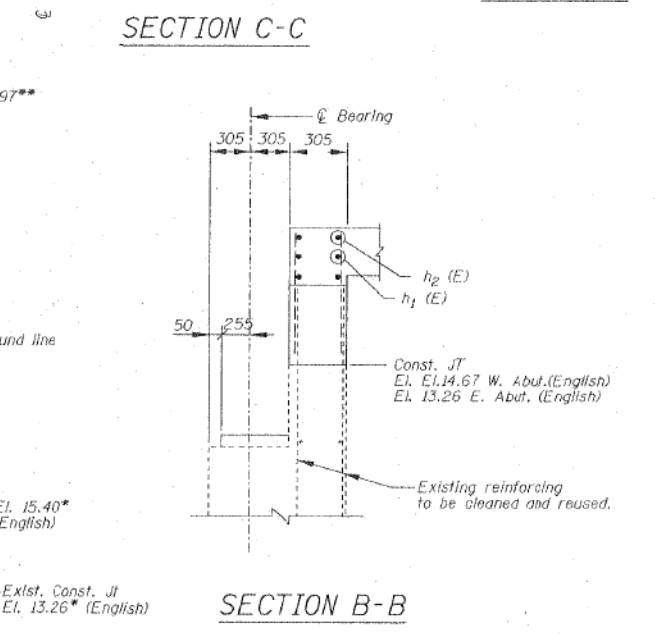
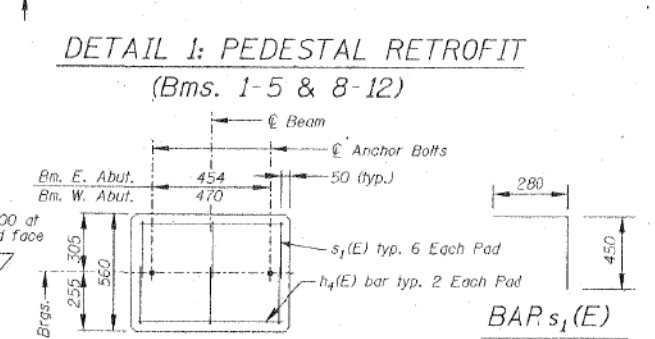
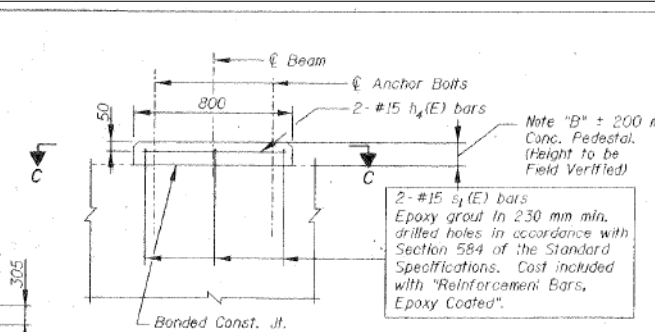
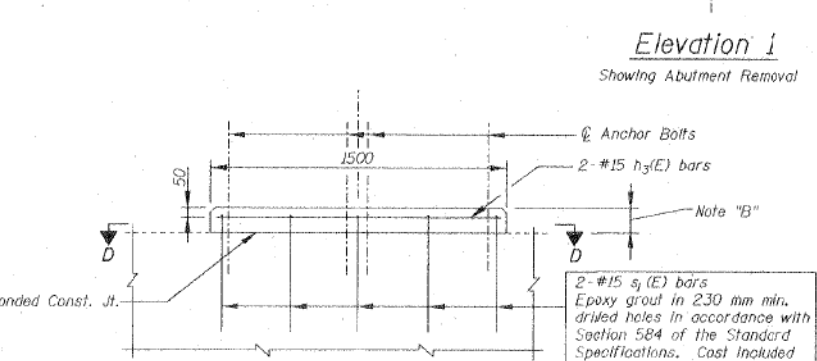
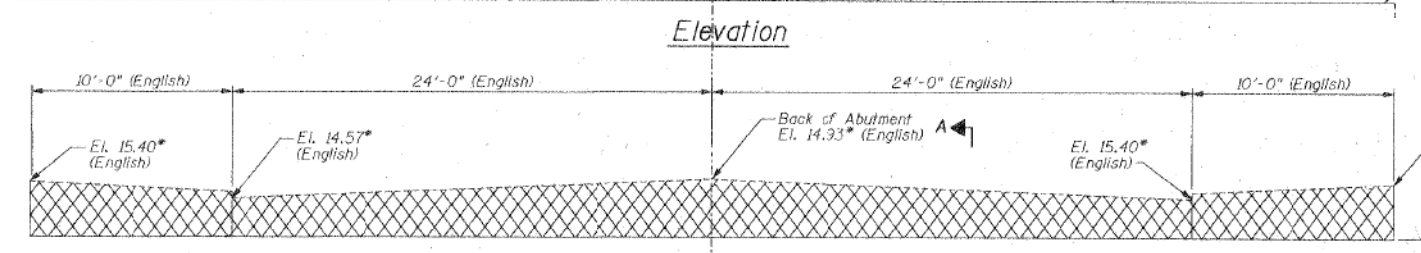
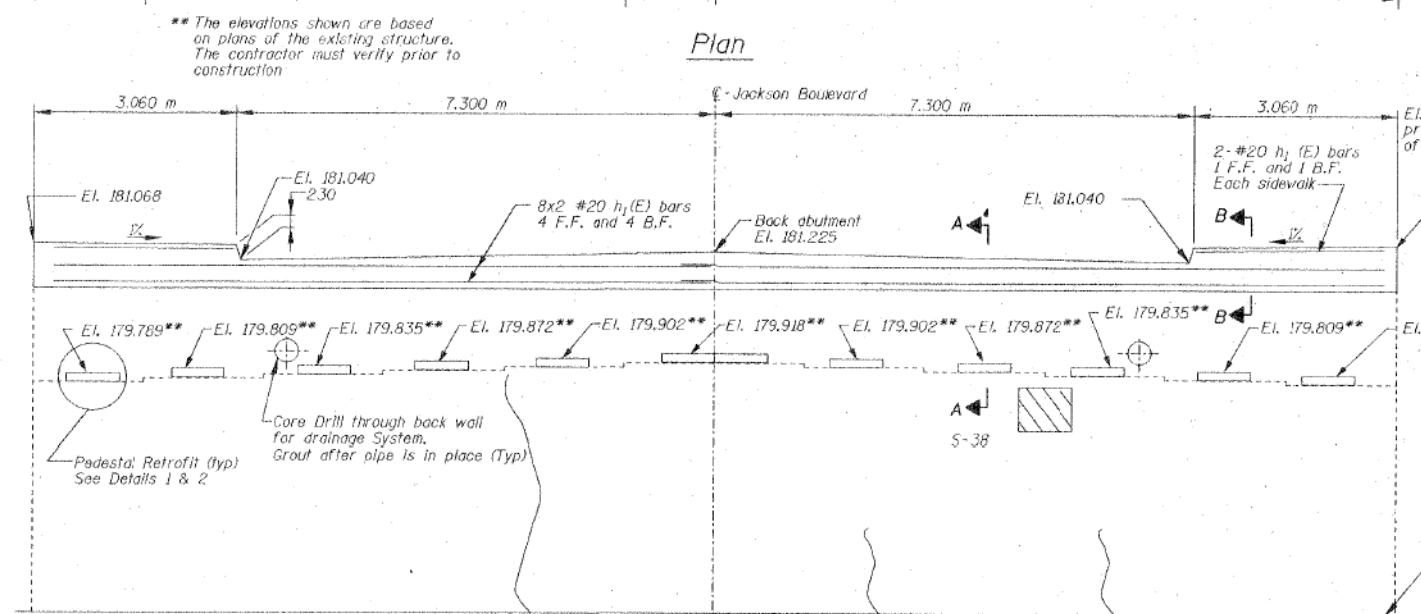
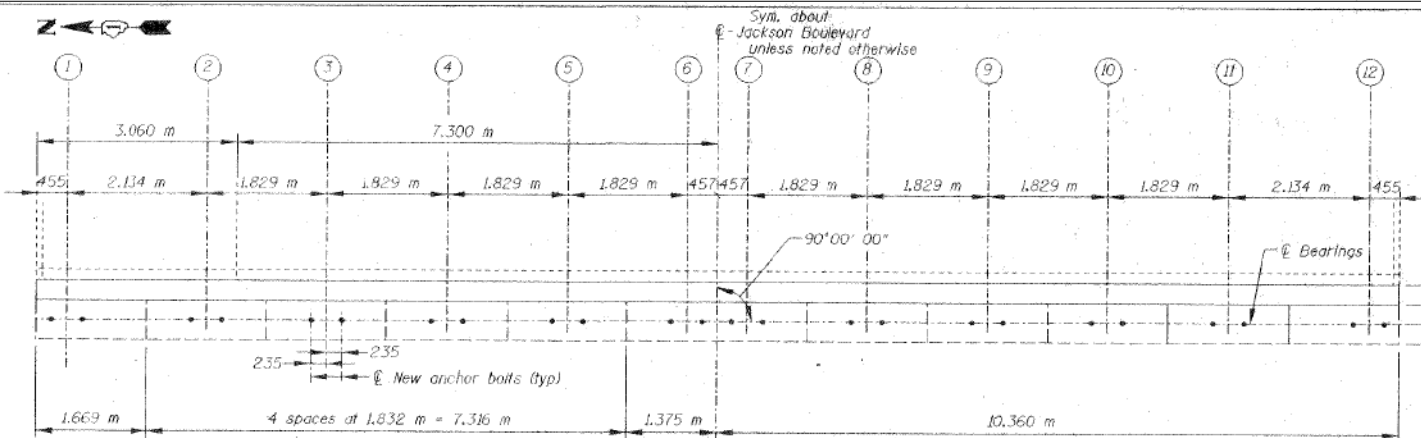
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	758
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

11:27:47 AM D:\60X94-SHT-AS-BUILT-078.dgn



USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

FOR INFORMATION ONLY



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0101-2-1B-R-1	COOK	226	60
STA. 1+350.230 TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		5-39 of 49		

BILL OF MATERIAL
(For both abutments)

BAR	NO.	SIZE	LENGTH	SHAPE
$h_2(E)$	16	#20	11.100 m	
$h_3(E)$	8	#20	2.960 m	
$h_3(E)$	4	#15	1.400 m	
$h_4(E)$	48	#15	0.700	
$s_1(E)$	152	#15	0.730 m	

ITEM	UNIT	QUANTITY
Reinforcement Bars Epoxy Coated	kg	710
Concrete Removal	m ³	6
Concrete Structures	m ³	6
Epoxy Crack Sealing	m	20
Structure Excavation	m ³	20
Porous Granular Embankment	m ³	20
High Performance Enhanced Shotcrete	m ²	12

** See Note "E" S-38

Concrete Removal

High Performance Enhanced Shotcrete

Epoxy Crack Sealing

NOTES:

- Reinforcement bars designated (E) shall be epoxy coated.
- See Sheet S-38 for Sections A-A.

Note: All dimensions are in millimeters (mm) unless otherwise noted.

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EAST ABUTMENT
JACKSON BOULEVARD, FAU 1422 OVER
JOHN F. KENNEDY EXPRESSWAY, FAI 90/94
SECTION 0101-2-1B-R-1 COOK COUNTY
STATION 1+350.230 STRUCTURE NO. 016-0588
DESIGNED BY J.D.G. DRAWN BY C.U.
DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.

11:27:55 AM
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USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

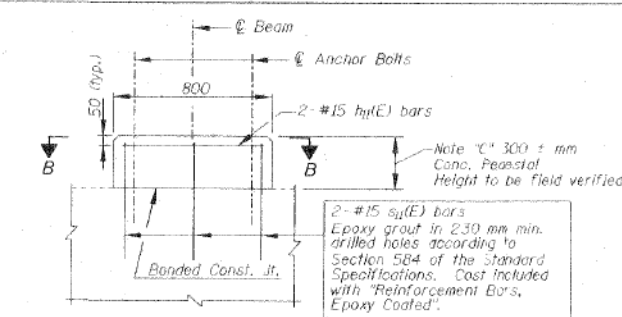
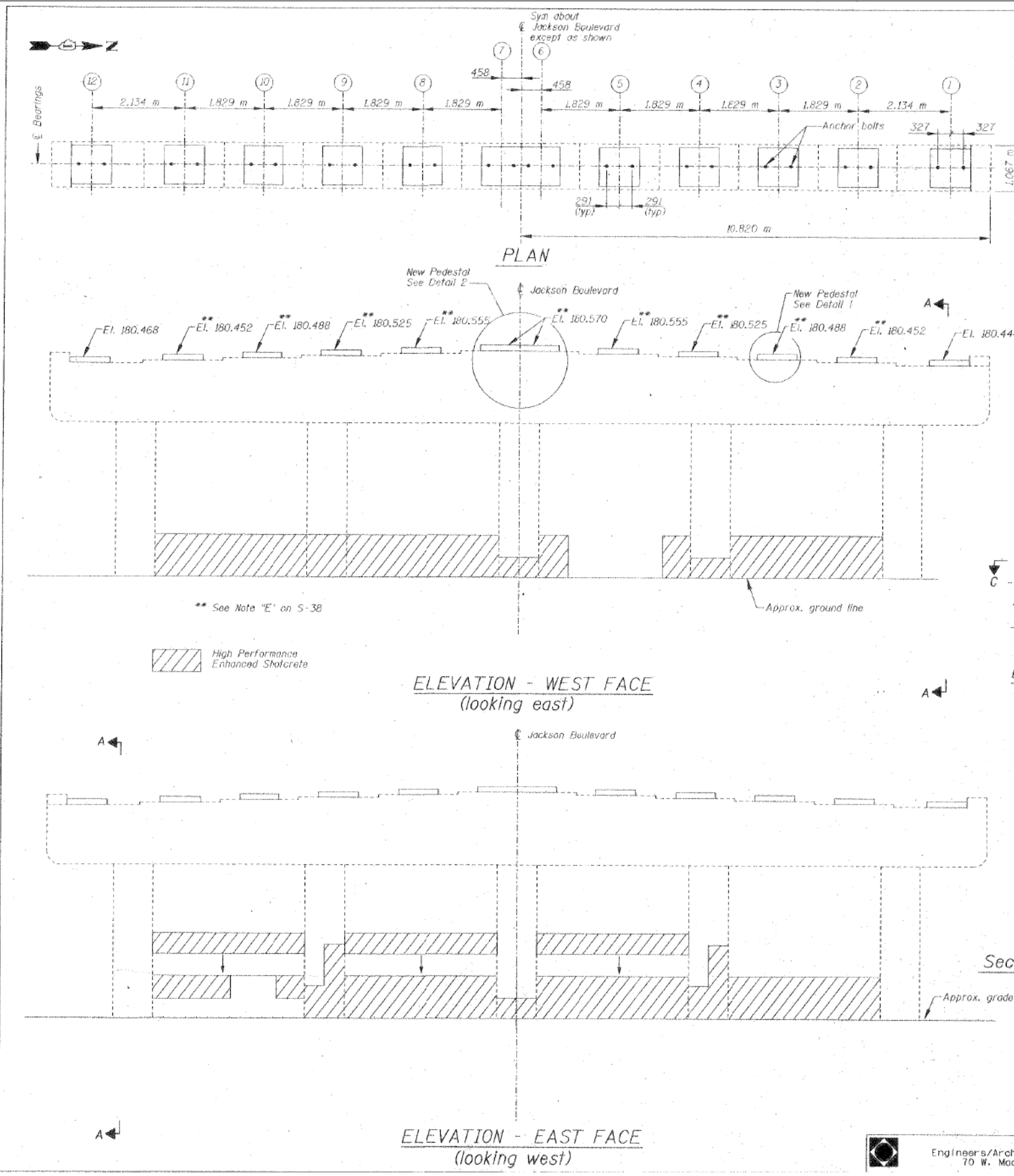
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

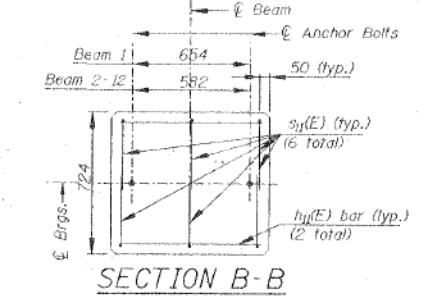
SHEET NO. AB-079 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO.	60X94

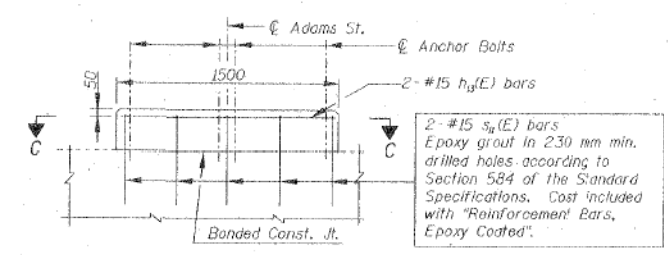
FOR INFORMATION ONLY



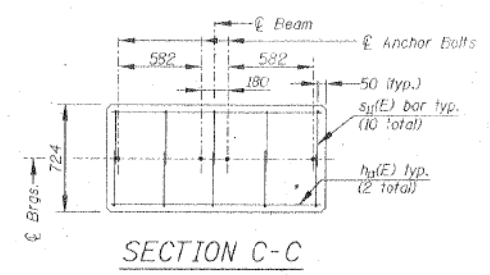
DETAIL 1: PEDESTAL RETROFIT (Bms. 1-6 & 9-12)



SECTION B-B



DETAIL 2: PEDESTAL RETROFIT (Bms. 7 & 8)



SECTION C-C

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0101-2-1B-R-1	COOK	226	21
STA. 1+350.230 TO STA. 1+350.230				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
5-00 of 49				

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h3(E)	24	#15	0.700 m	—
h3(E)	2	#15	1.400 m	—
s1(E)	82	#15	1.020 m	—

ITEM	UNIT	QUANTITY
Reinforcement Bars Epoxy Coated	kg	165
Concrete Removal	m ³	3
Concrete Structures	m ³	3
High Performance Enhanced Shotcrete	m ²	36

* Clean and Straighten and Incorporate into New Construction.

- NOTES:**
- Reinforcement bars designated (E) shall be epoxy coated.
 - Existing conduits extending through work areas shall be removed and re-installed as necessary. Cost included with "High Performance Shotcrete".
 - Contractor to verify location of existing reinforcement before drilling holes for new bars.

Note: All dimensions are in millimeters (mm) unless otherwise noted.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION WEST PIER JACKSON BOULEVARD, FAI 1422 OVER JOHN F. KENNEDY EXPRESSWAY, FAI 90/94 SECTION 0101-2-1B-R-1 COOK COUNTY STATION 1+350.230 STRUCTURE NO. 016-0588 DESIGNED BY J.D.G. DRAWN BY C.U.
NAME	DATE	
		DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.

STV Incorporated
Engineers/Architects/Planners/Construction Managers
70 W. Madison St. Chicago, IL 60602-4207

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-080 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	760
CONTRACT NO.				60X94
ILLINOIS FED. AID PROJECT				

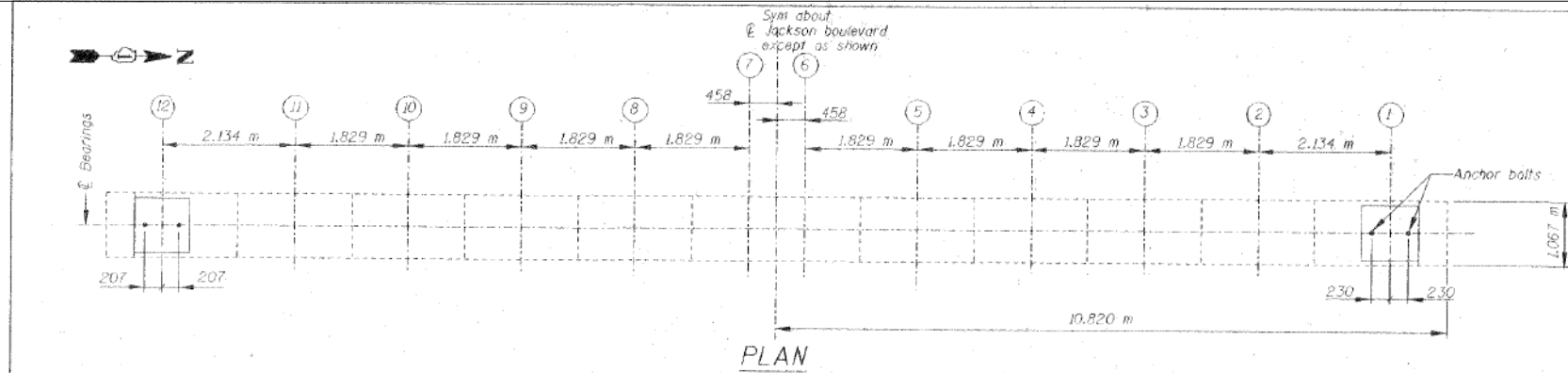
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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

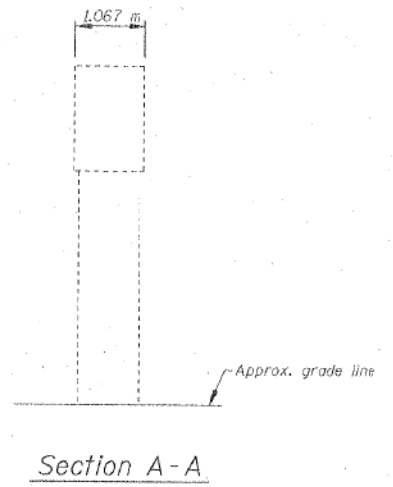
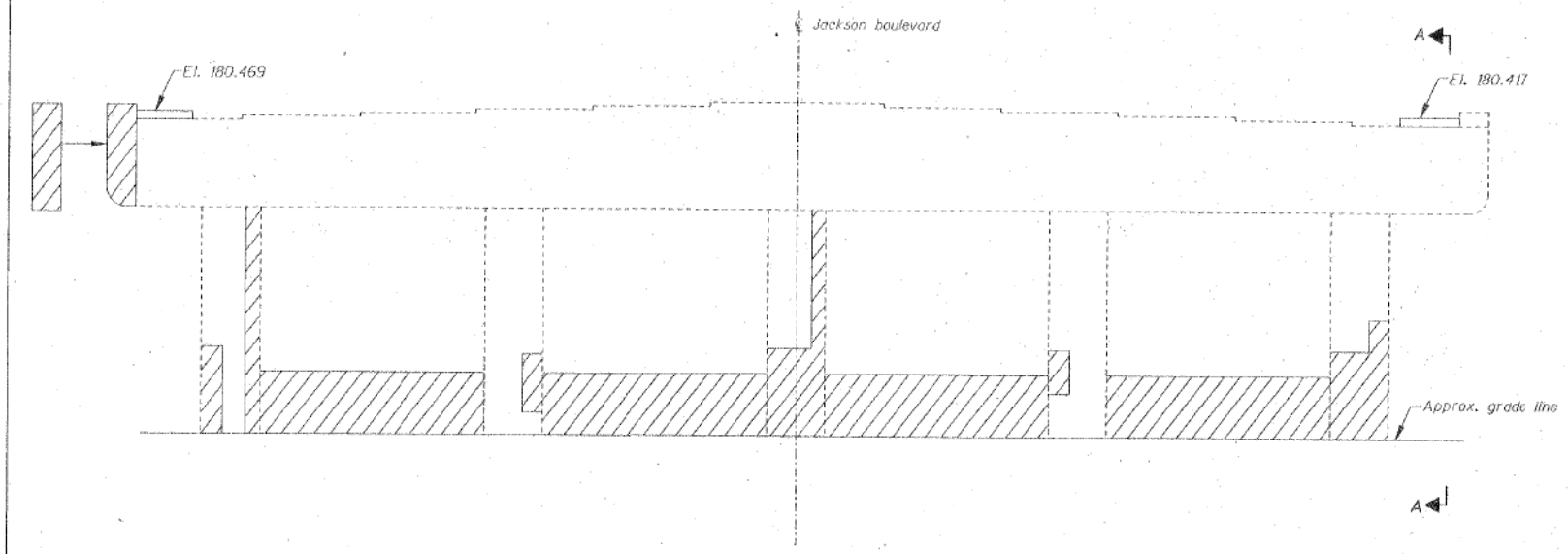
FOR INFORMATION ONLY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0101-2-1B-R-1	COOK	226	62
STA. 1+350.230 TO STA.				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
S-41 of 49				



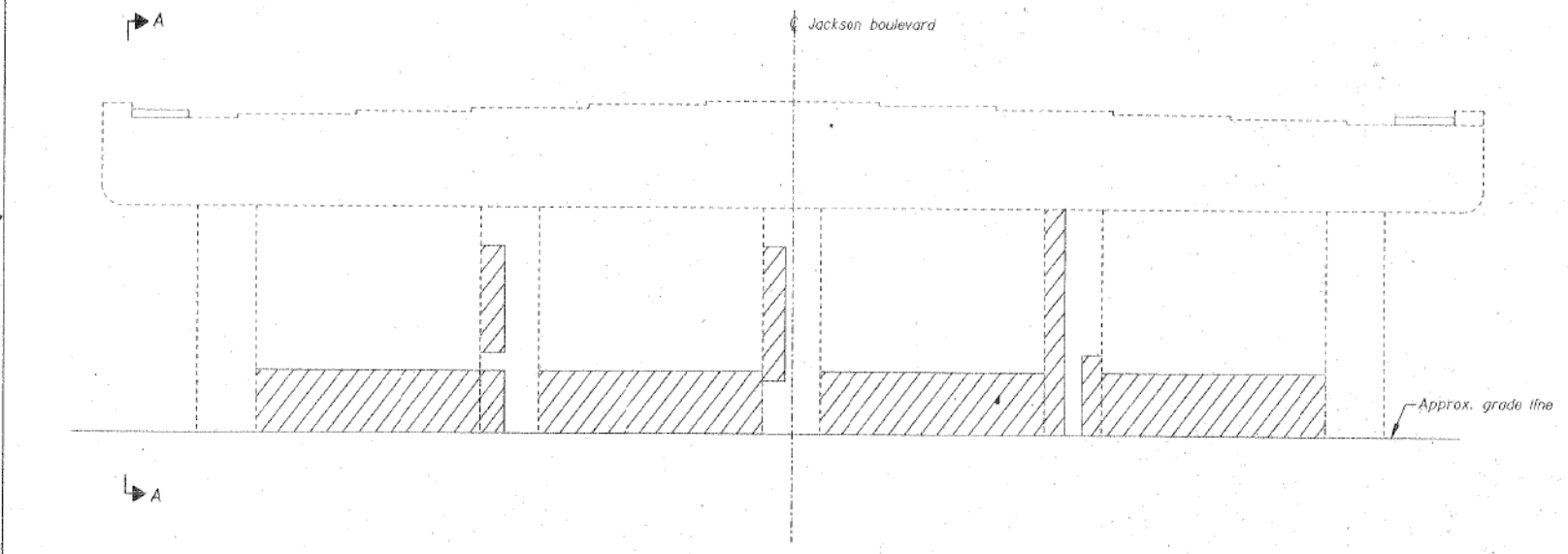
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
High Performance Enhanced Shotcrete	m ²	32



ELEVATION - WEST FACE
(looking east)

High Performance Enhanced Shotcrete



ELEVATION - EAST FACE
(looking west)

** Substructure repair quantities will be provided based on the results of a field inspection. Upon completion of the inspection, quantities will be provided.

NOTES:

- For pedestal details and reinforcement bars see drawing S-40.
- Bill of material included in West Pier.

Note: All dimensions are in millimeters (mm) unless otherwise noted.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION EAST PIER JACKSON BOULEVARD, FAU 1422 OVER JOHN F. KENNEDY EXPRESSWAY, FAI 90/94 SECTION 0101-2-1B-R-1 COOK COUNTY STATION 1+350.230 STRUCTURE NO. 016-0588 DESIGNED BY J.D.G. DRAWN BY C.J.J. DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.
NAME	DATE	

STV Incorporated
Engineers/Architects/Planners/Construction Managers
70 W. Madison St. Chicago, IL 60602-4207

11:28:12 AM D:\60X94-SHT-AS-BUILT-081.dgn



USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

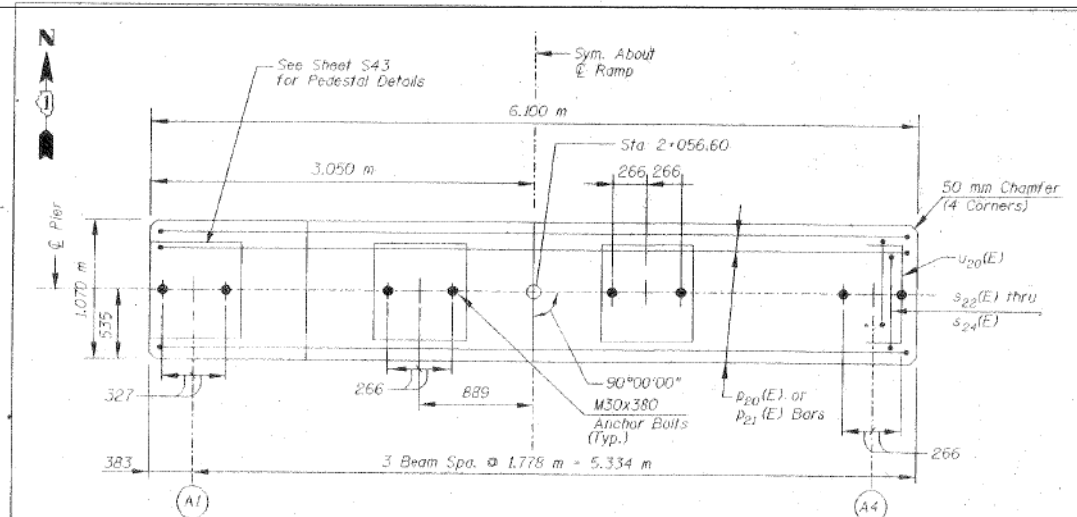
EXISTING RECORD DRAWINGS

SHEET NO. AB-081 OF AB-145 SHEETS

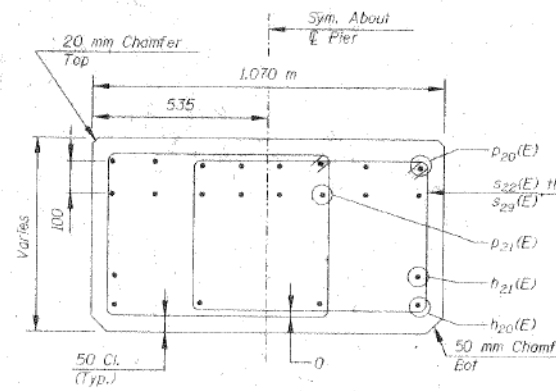
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CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

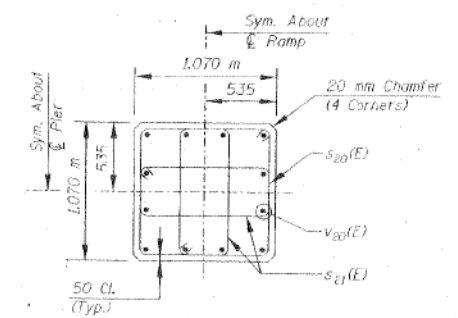
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STA. 1+350.230		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	5-42 of 49



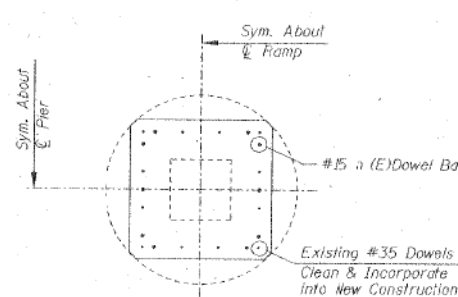
TOP PLAN



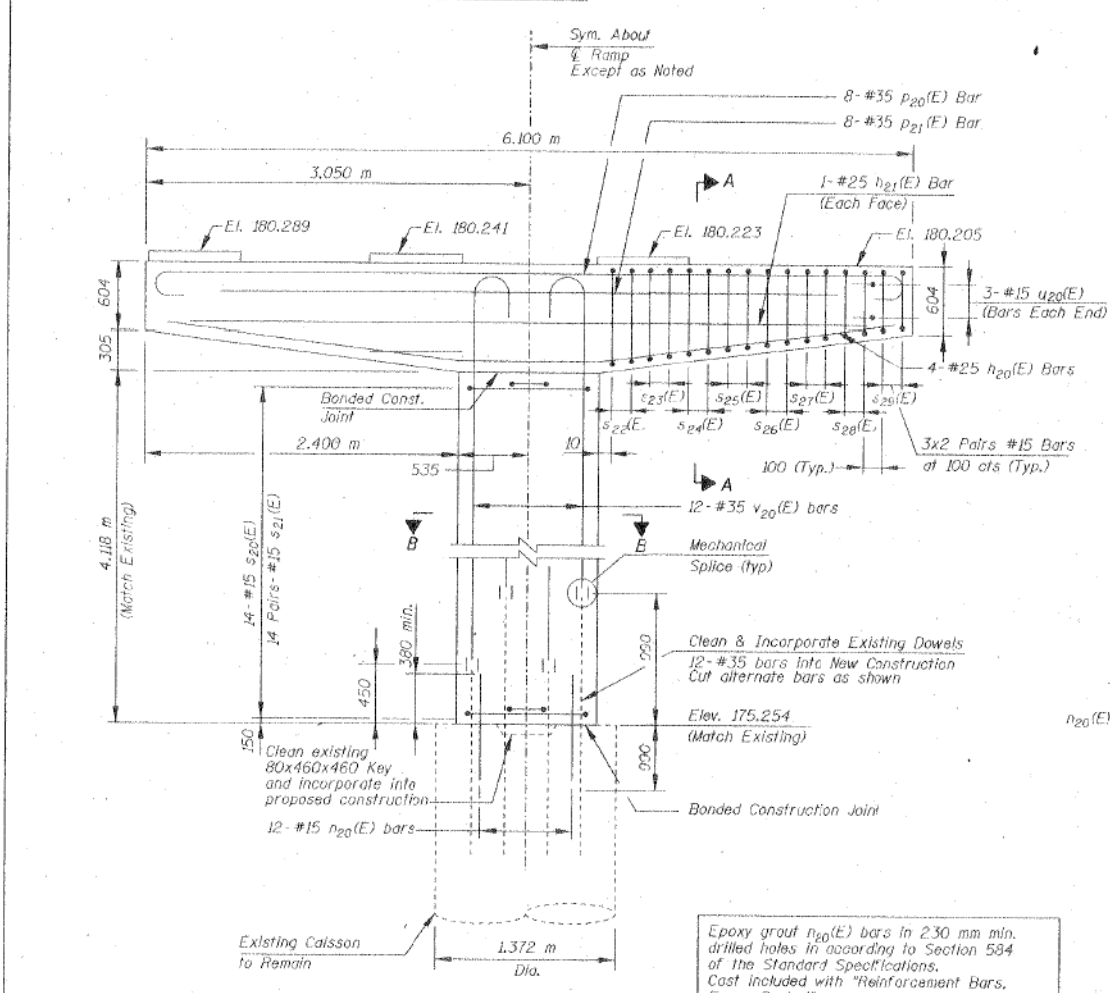
SECTION A-A



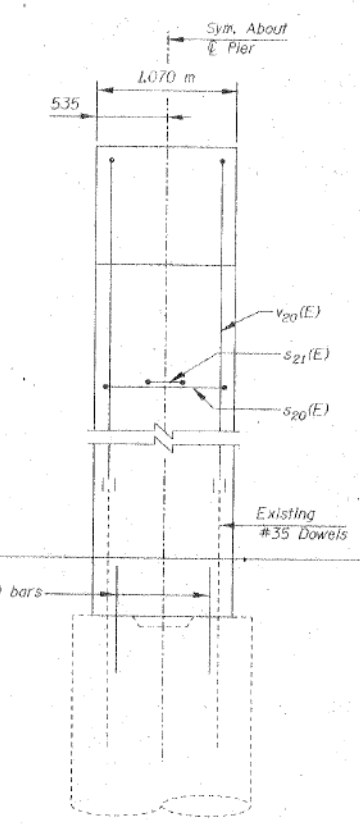
SECTION B-B



SECTION C-C



ELEVATION
(Looking North)

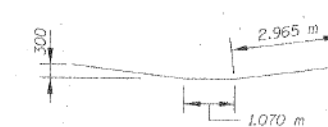


SIDE VIEW

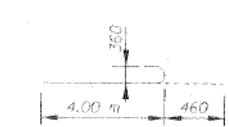
TABLE OF BAR DIMENSIONS

BAR	A	B	C
s ₂₀ (E)	970	970	140
s ₂₁ (E)	970	370	140
s ₂₂ (E)	809	710	140
s ₂₃ (E)	770	710	140
s ₂₄ (E)	731	710	140
s ₂₅ (E)	692	710	140
s ₂₆ (E)	653	710	140
s ₂₇ (E)	614	710	140
s ₂₈ (E)	575	710	140
s ₂₉ (E)	536	710	140

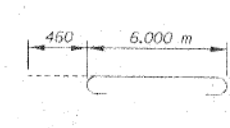
BARS s₂₀(E) & s₂₁(E)



BAR h₂₀(E)



BAR v₂₀(E)



BAR p₂₀(E)



BAR u₂₀(E)

Note: All dimensions are in millimeters (mm) unless otherwise noted.

- NOTES:
- All dimensions are in millimeters (mm) unless otherwise noted.
 - Reinforcement bars designated (E) shall be epoxy coated.
 - Space reinforcement in cap 10 miss anchor bolts.
 - All edges shall have standard 20 mm chamfers except as noted.
 - Pour steps monolithically with cap.

REVISIONS		DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION RAMP "A" RECONSTRUCTION PIER I JACKSON BOULEVARD, FAU 1422 OVER JOHN F. KENNEDY EXPRESSWAY, FAI 90/94 SECTION 0101-2-1B-R-1 COOK COUNTY STATION 1+350.230 STRUCTURE NO. 016-0588 DESIGNED BY J.D.G. DRAWN BY C.U.
NAME			

STV Incorporated
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70 W. Madison St. Chicago, IL 60602-4207

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	762
		CONTRACT NO.		60X94
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-082 OF AB-145 SHEETS

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PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

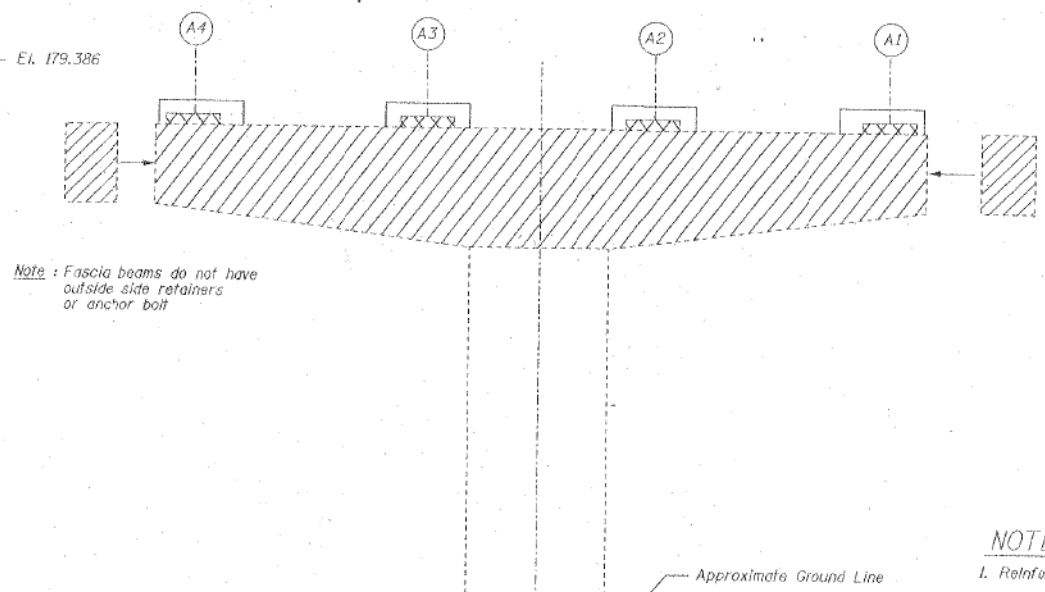
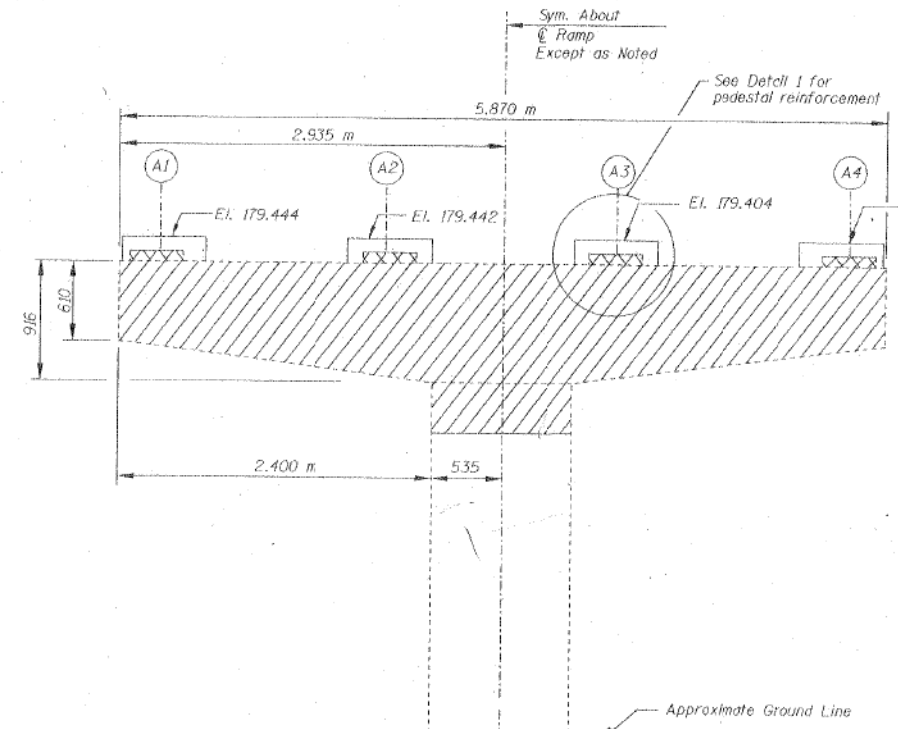
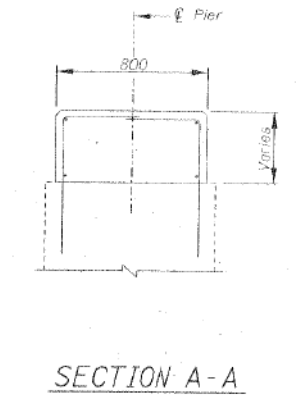
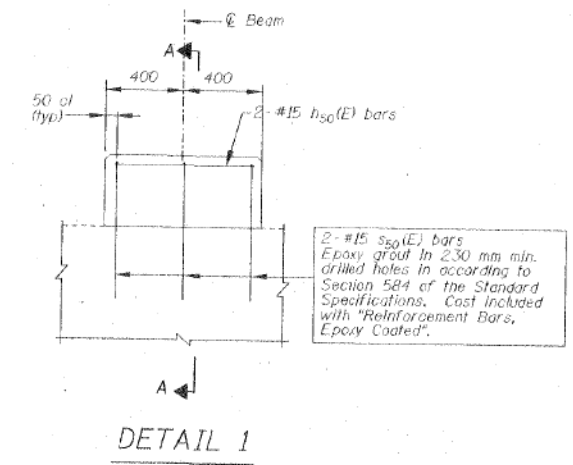
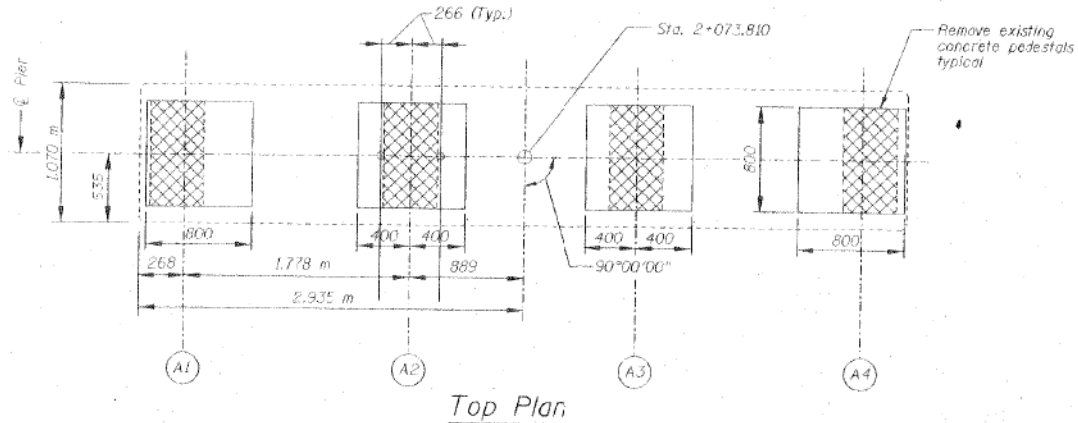
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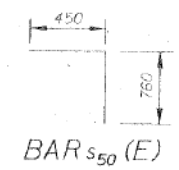
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90/94	0101-2-1B-R-1	COOK	226	64
STA. 1+350.230		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

5-41 of 49



BILL OF MATERIAL

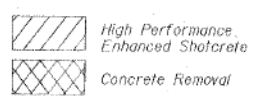
BAR	NO.	SIZE	LENGTH(m)	SHAPE
$s_{50}(E)$	12	#15	0.71	
$s_{50}(E)$	24	#15	1.210	
ITEM	UNIT	QUANTITY		
Reinforcement Bars Epoxy Coated	kg	60		
Concrete Removal	m ³	10		
Concrete Structures	m ³	10		
High Performance Enhanced Shotcrete	m ²	11		



- NOTES:
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. All edges shall have standard 20 mm chamfer except as noted.

Note: All dimensions are in millimeters (mm) unless otherwise noted.

LEGEND:



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 RAMP "A" REHABILITATION PIER 2
 JACKSON BOULEVARD, FAU 1422 OVER
 JOHN F. KENNEDY EXPRESSWAY, FAI 90/94
 SECTION 0101-2-1B-R-1 COOK COUNTY
 STATION 1+350.230 STRUCTURE NO. 016-0588
 DESIGNED BY J.D.G. DRAWN BY C.U.

STV Incorporated
 Engineers/Architects/Planners/Construction Managers
 70 W. Madison St. Chicago, IL 60602-4207

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PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-083 OF AB-145 SHEETS

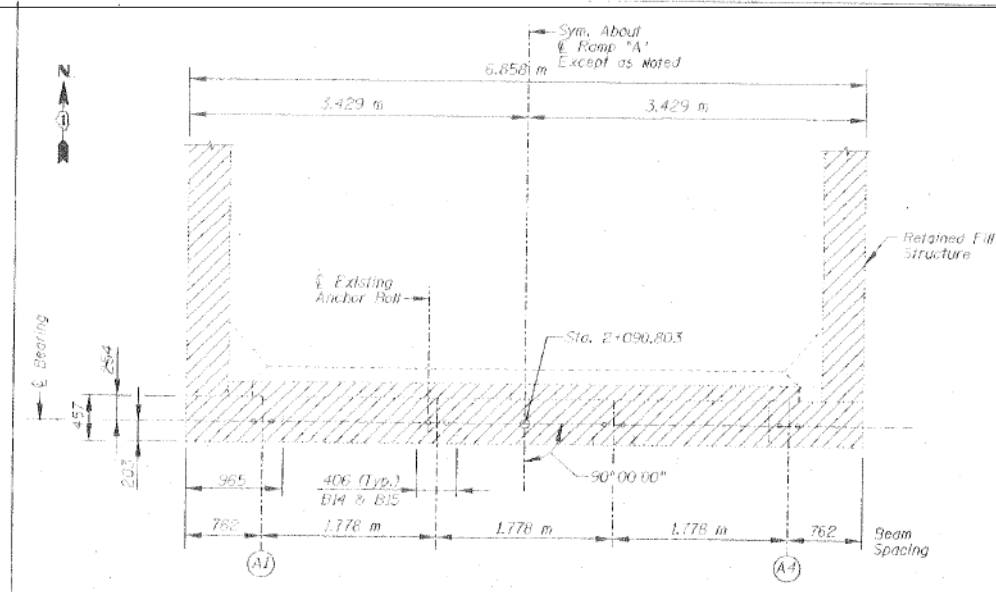
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	763
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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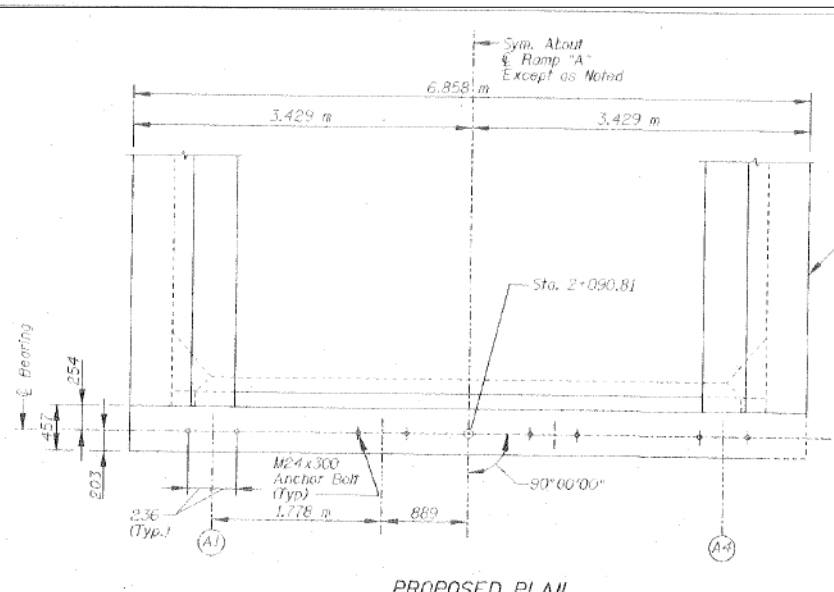
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0101-2-1B-R-1	COOK	226	65
STA. 14350.230 TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. -		5-44 of 49		

BILL OF MATERIAL

BAR NO.	SIZE	LENGTH	SHAPE
h ₃₀ (E)	#15	6.760 m	—
s ₃₀ (E)	#15	0.830 m	—
u ₃₀ (E)	#15	0.310 m	—
ITEM	UNIT	QUANTITY	
Reinforcement Bars Epoxy Coated	kg	150	
Concrete Removal	m ³	2	
Concrete Structures	m ³	2	
Bridge Seat Sealer	m ²	2	
High Performance Enhanced Shotcrete	m ²	2	

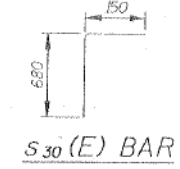


EXISTING PLAN

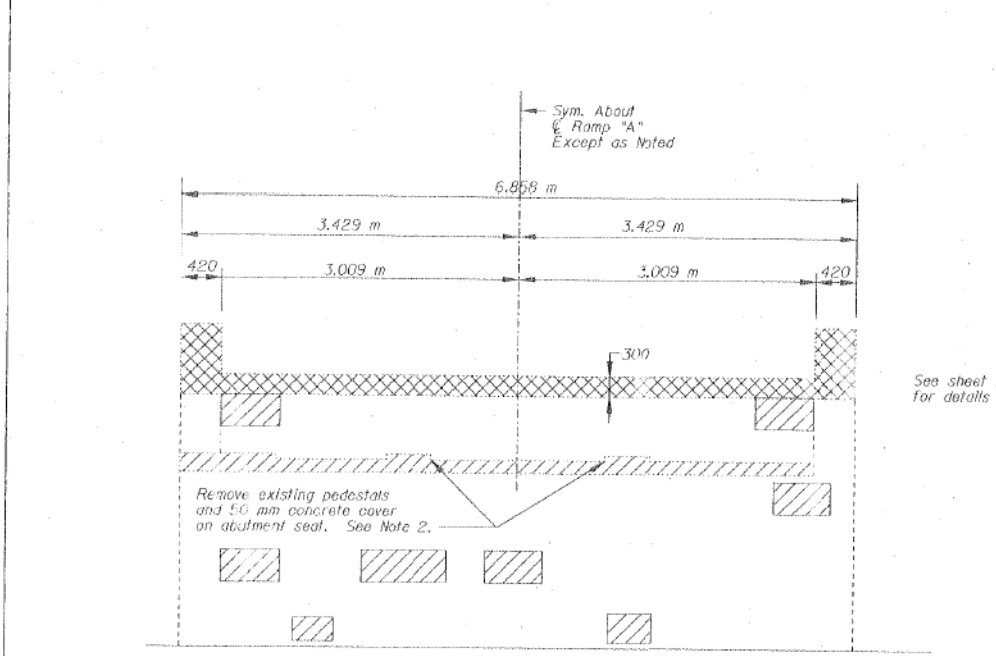


PROPOSED PLAN

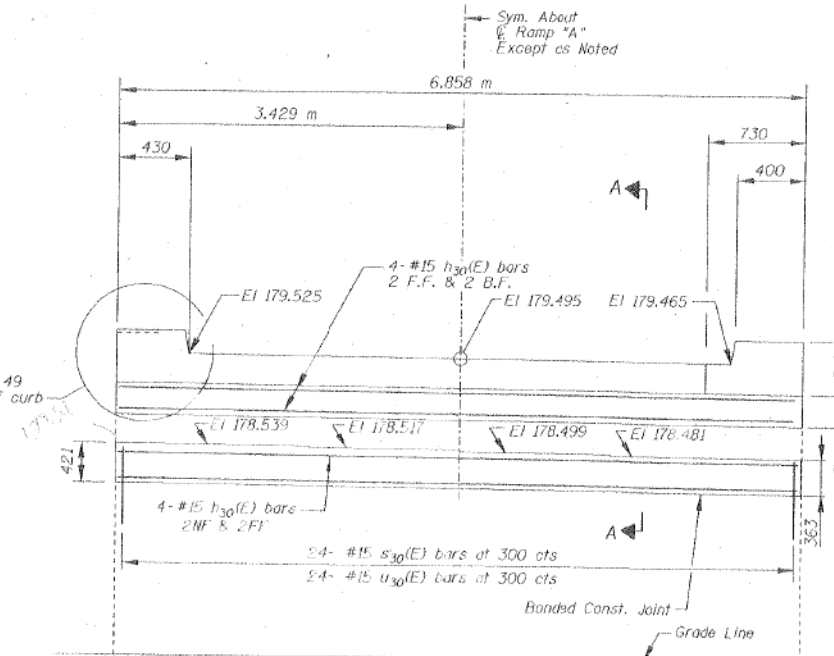
Proposed Curb & Gutter
See sheets S-XX & S-XX
For details of retaining wall
modifications and reinforcing



SECTION THROUGH ABUTMENT 1

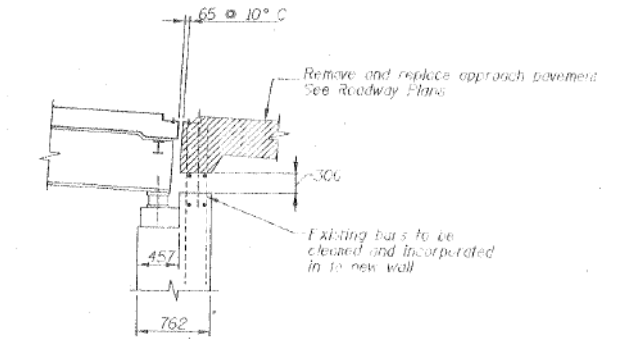


EXISTING ABUTMENT ELEVATION

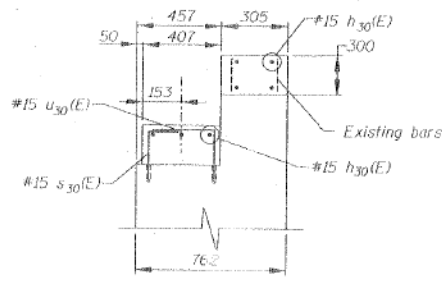


PROPOSED ABUTMENT ELEVATION

4-#15 s(E) bars
Epoxy coated in 250 mm min
drilled holes according to
Section 540 of the standard
Specifications. Cost included
with "Reinforcement Bars,
Epoxy Coated".



SECTION THROUGH ABUTMENT 1



SECTION A-A

LEGEND:

	Concrete Removal
	High Performance Enhanced Shotcrete

- NOTES:
1. Reinforcement bars designed (E) shall be epoxy coated.
 2. Remove 50 mm cover to expose existing reinforcement and verify locations of s₃₀(E) bars to clear existing reinforcement.
 3. All edges shall have 20 mm chamfers, except as noted.

Note: All dimensions are in millimeters (mm) unless otherwise noted.

STV Incorporated
Engineers/Architects/Planners/Construction Managers
70 W. Madison St. Chicago, IL 60602-4207

REVISIONS		DATE
NAME	DATE	

ILLINOIS DEPARTMENT OF TRANSPORTATION
ENTRANCE RAMP "A" DETAILS ABUTMENT
JACKSON BOULEVARD, FAU 1412 OVER
JOHN F. KENNEDY EXPRESSWAY, FAI 90/94
SECTION 0101-2-1B-R-1 COOK COUNTY
STATION 14350.230 STRUCTURE NO. 016-0588
DESIGNED BY J.D.G. DRAWN BY C.U.L.
DATE 4-00 CHECKED BY J.A. CHECKED BY J.D.G.

11:28:39 AM
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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

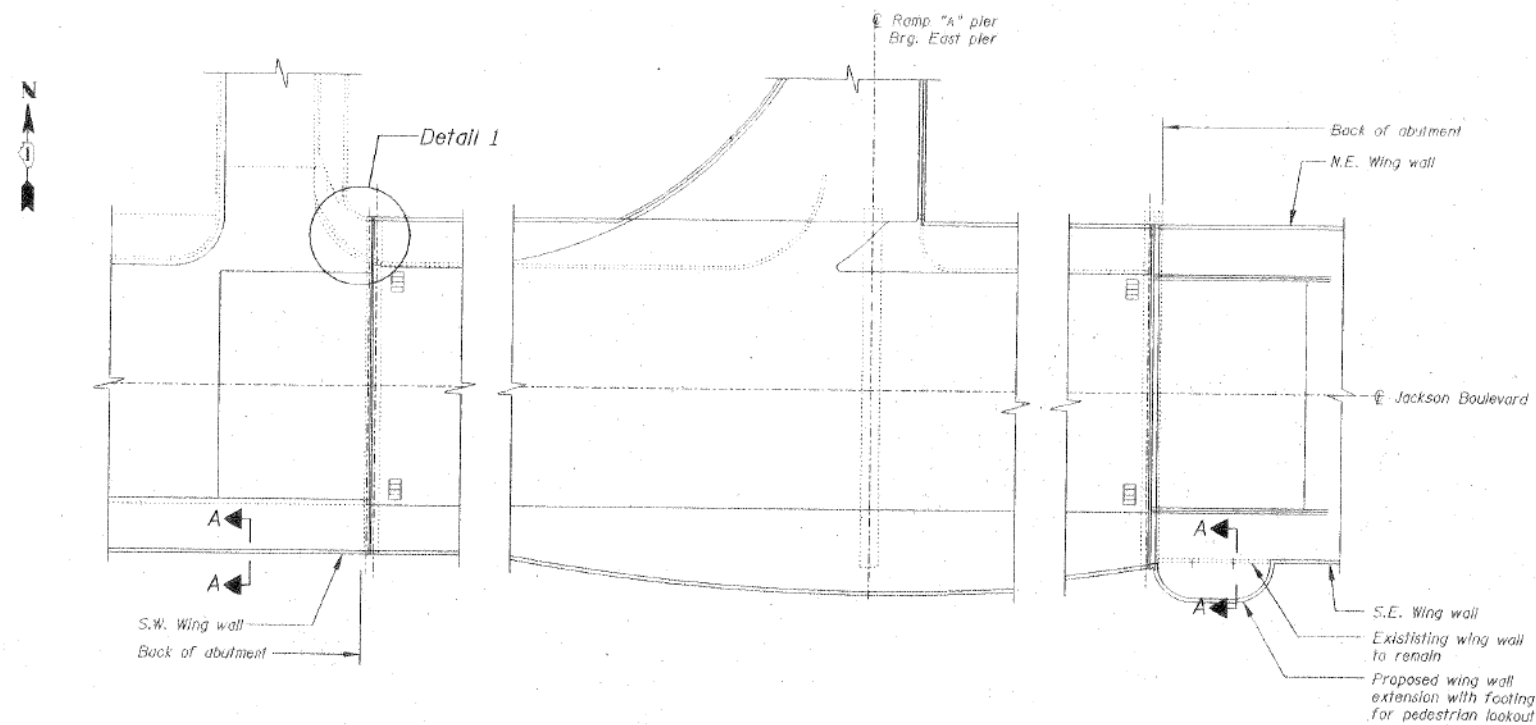
SHEET NO. AB-084 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X94	

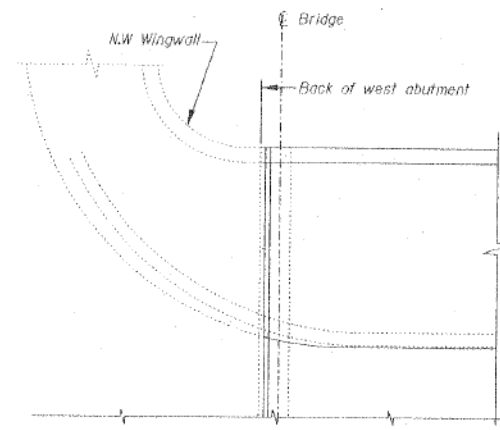
FOR INFORMATION ONLY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0101-2-1B-R-1	COOK	220	67
STA. 1+350.230	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

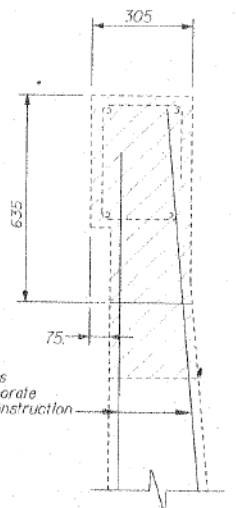
S-46 of 49



PLAN



DETAIL 1



SECTION A-A

Showing Removal

NOTES:

- For railing details and base plate locations, see Architectural sheets

Note: All dimensions are in millimeters (mm) unless otherwise noted.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 WINGWALL REHABILITATION PLANS
 JACKSON BOULEVARD, FAU 1422 OVER
 JOHN F. KENNEDY EXPRESSWAY, FAJ 90/94
 SECTION 0101-2-1B-R-1 COOK COUNTY
 STATION 1+350.230 STRUCTURE NO. 016-0588
 DESIGNED BY J.D.G. DRAWN BY C.J.
 DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.

STV Incorporated
 Engineers/Architects/Planners/Construction Managers
 70 W. Madison St. Chicago, IL 60602-4207

11:28:48 AM D:\60X94-SHT-AS-BUILT-085.dgn



USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

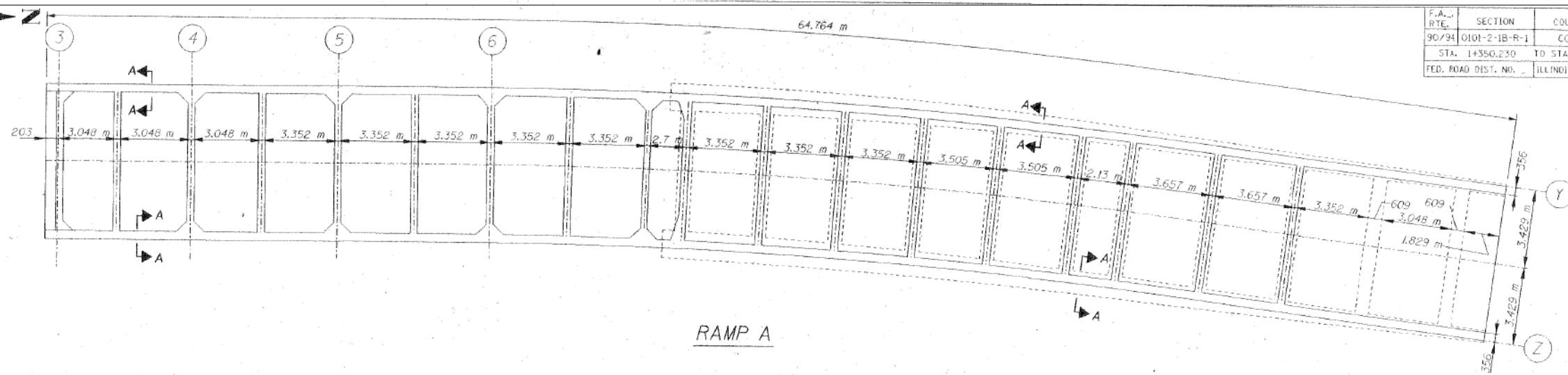
EXISTING RECORD DRAWINGS

SHEET NO. AB-085 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO.	60X94
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

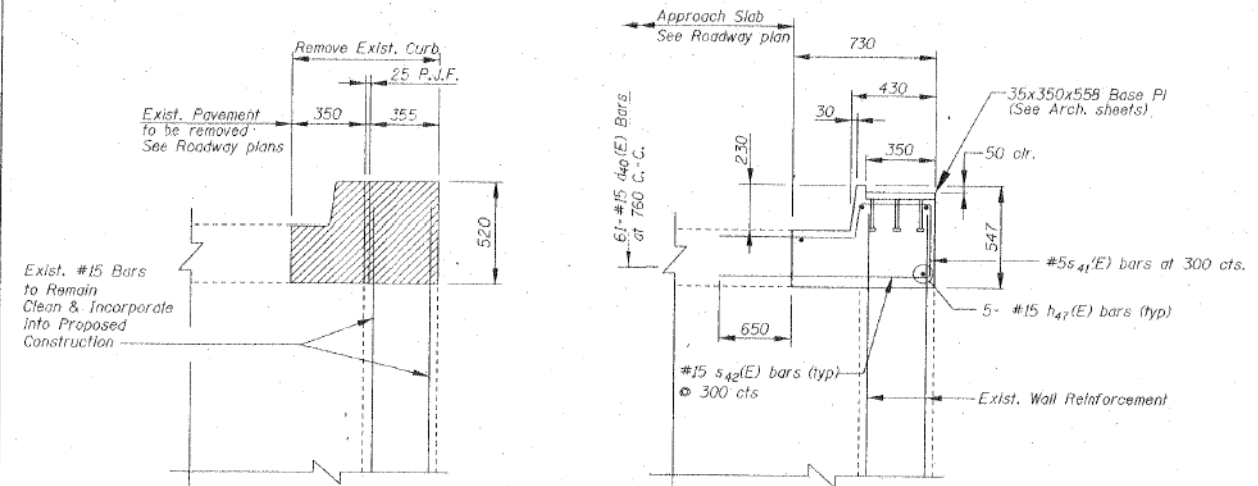
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0101-2-1B-R-1	COOK	226	68
STA. 1+350.230	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	S-47 of 49	



RAMP A

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
$h_{42}(E)$	30	#15	11.310 m	—
$s_{41}(E)$	434	#15	1.757 m	—
$s_{42}(E)$	434	#15	1.635 m	—
ITEM		UNIT	QUANTITY	
Reinforcement Bars Epoxy Coated		kg	2845	
Concrete Removal		m ³	4.3	
Concrete Structures		m ³	4.3	



EXISTING

PROPOSED

SECTION A-A

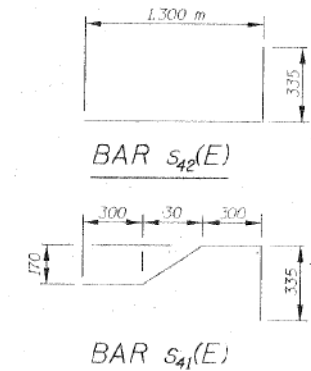
TYPICAL RAMP "A" WALLS

Curve Data
 $\Delta = 7^{\circ} 37' 16''$
 $T = 15.370$ m
 $R = 230.76$ m
 $L = 30.69$ m
P.C. Sta. 2+109.01
P.I. Sta. 2+124.35
P.T. Sta. 2+139.70

Ramp "A" Curve Data

Curve A-2

$\Delta = 33^{\circ} 18' 54''$ P.C. Sta. 1+344.247
 $D = .314$ m Offset 18.590 Lt
 $Y = 5.386$ m P.I. Sta. 1+347.207
 $L = 10.466$ m Offset 23.084 Lt.
 $R = 18.0$ m P.C.C. Sta. 1+347.207
Offset 28.470 Lt.



NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Space reinforcement in cap 10 mm anchor bolts.
3. All edges shall have standard 10 mm chamfers except as noted.
4. Pour steps monolithically with cap.
5. For railing details and base plate location, see sheets A-101 to A-40B.

Note: All dimensions are in millimeters (mm) unless otherwise noted.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ENTRANCE RAMP "A" RETAINING WALLS JACKSON BOULEVARD, FAU 1422 OVER JOHN F. KENNEDY EXPRESSWAY, FAI 90/94 SECTION 0101-2-1B-R-1 COOK COUNTY STATION 1+350.230 STRUCTURE NO. 016-0588 DESIGNED BY J.D.G. DRAWN BY C.U.
NAME	DATE	
		DATE 4-00 CHECKED BY I.K. CHECKED BY J.D.G.

STV Incorporated
Engineers/Architects/Planners/Construction Managers
70 W. Madison St. Chicago, IL 60602-4207

Concrete Removal

11:28:56 AM
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-086 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

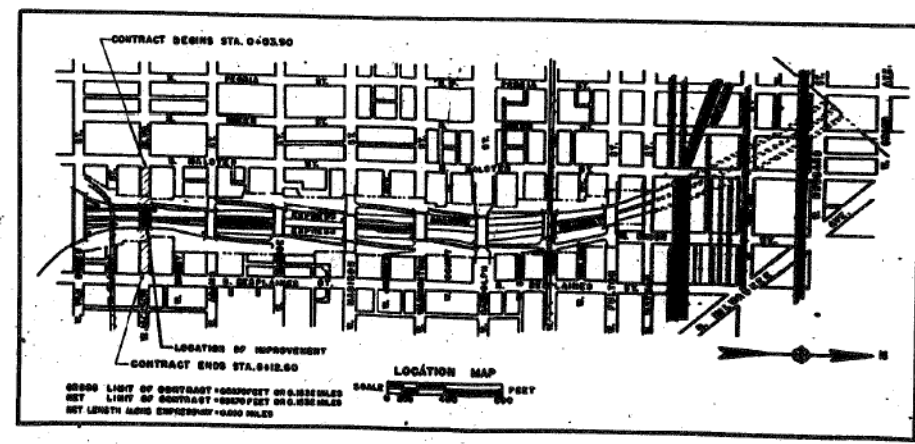
INDEX OF SHEETS

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0-3	EXISTING CONDITIONS AND SETBACK	3
0-4	CONSTRUCTION PLAN AND PAY LIMITS	4
STRUCTURAL PLAN		
0-1	FOOTING PLAN	5
0-2	EAST PIER	6
0-3	WEST PIER	7
0-4	WEST ABUTMENT	8
0-5	EAST ABUTMENT	9
0-6	SOUTH WHIRLS	10
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	FIRE HYDRANT	
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	NEW LIGHT STANDARDS	
	MANHOLE OR BATH BATH, TO BE ADJUSTED	
	NEW LIGHT STANDARDS	
	MANHOLE TO BE FILLED	
	NEW BATH BATH	
	COMMONWEALTH CROWN CO.	
	PERFUMED GAS LIGHT & CO. CO.	
	CITY ENGINE	
	CITY ENGINE	
	SEWER LINE DISTRICT	

STATE OF ILLINOIS
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY
PLANS FOR
JACKSON BOULEVARD BRIDGE
SECTION 0101.2-2B

F.A. ROUTE NO. 173 PROJECT UI 265 (4)



PREPARED FOR
THE CITY OF CHICAGO
BY
CONSOER, TOWNSEND AND ASSOCIATES
CONSULTING ENGINEERS
PLANS APPROVED
BY THE STATE DIVISION OF HIGHWAYS

SUMMARY OF ITEMS

QUANTITY	UNIT	AMOUNT
1	SHEET	1

RETURN THIS PLAN
TO MAINTENANCE
ROOM 706
DRAWER 3A

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

APPROVED: _____
APPROVED: _____
APPROVED: _____

THE CITY ENGINEER OF PUBLIC WORKS AND ENGINEERING

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED: _____
APPROVED: _____

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

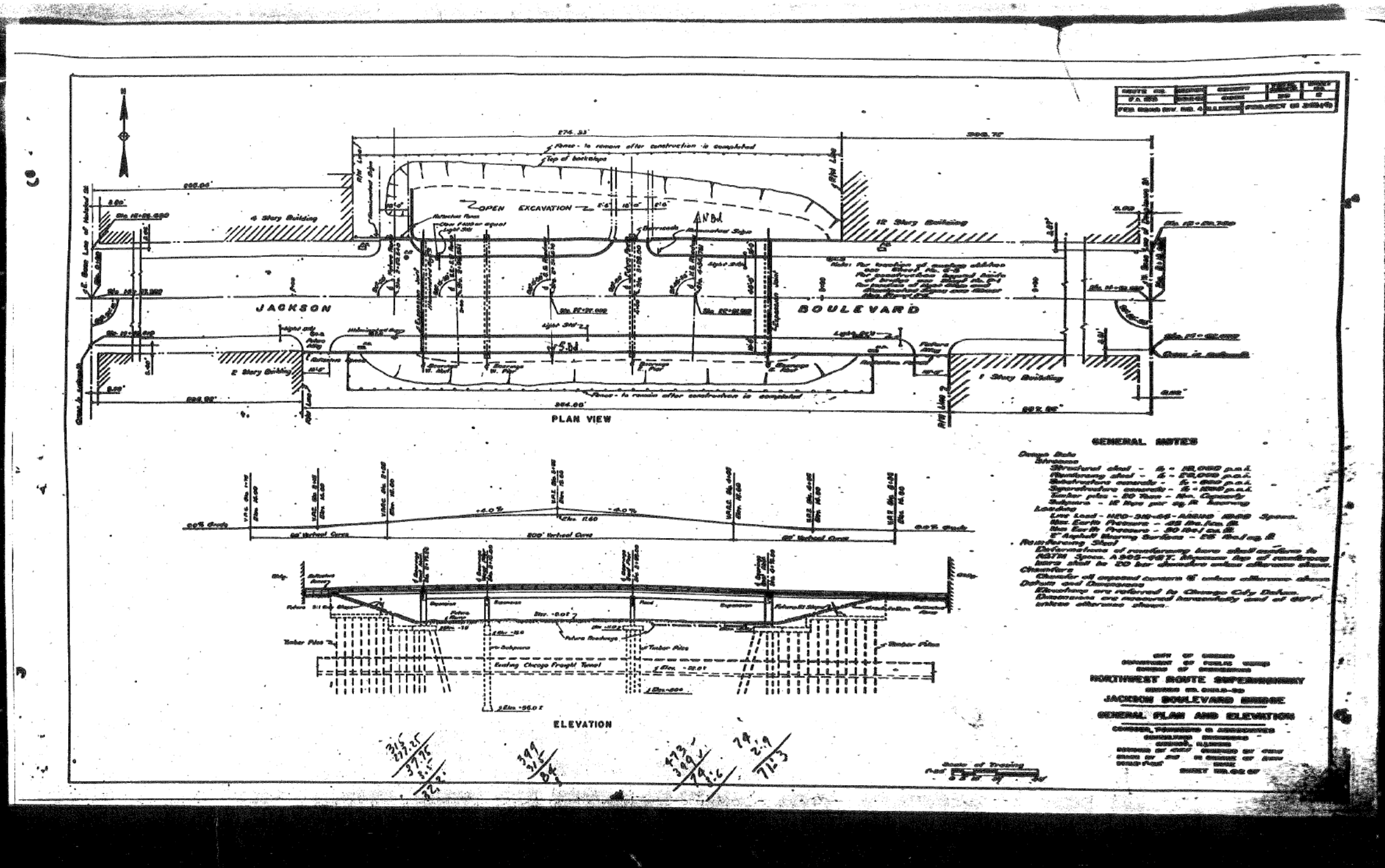
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			60X94	

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY



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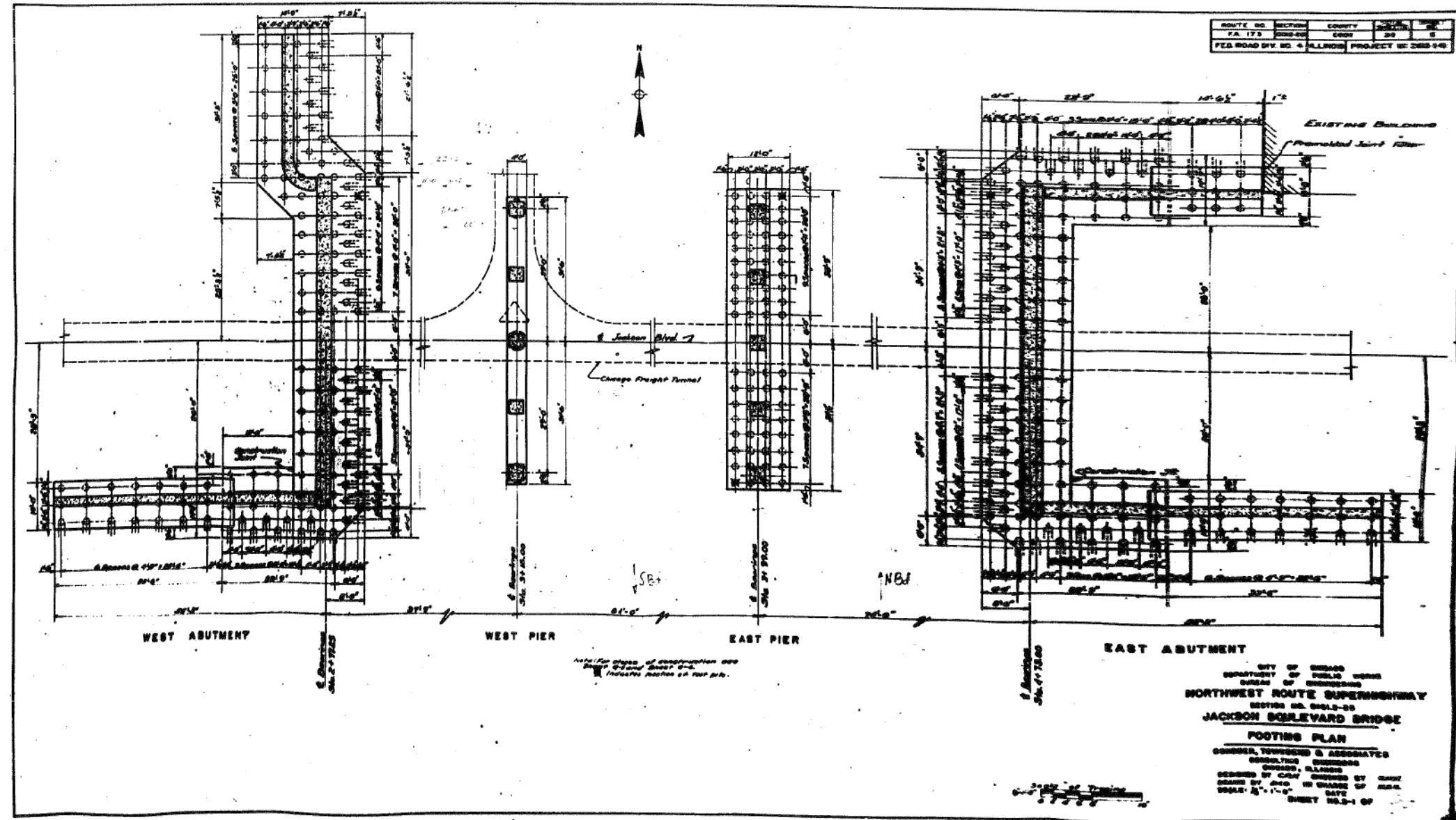
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

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ILLINOIS FED. AID PROJECT				

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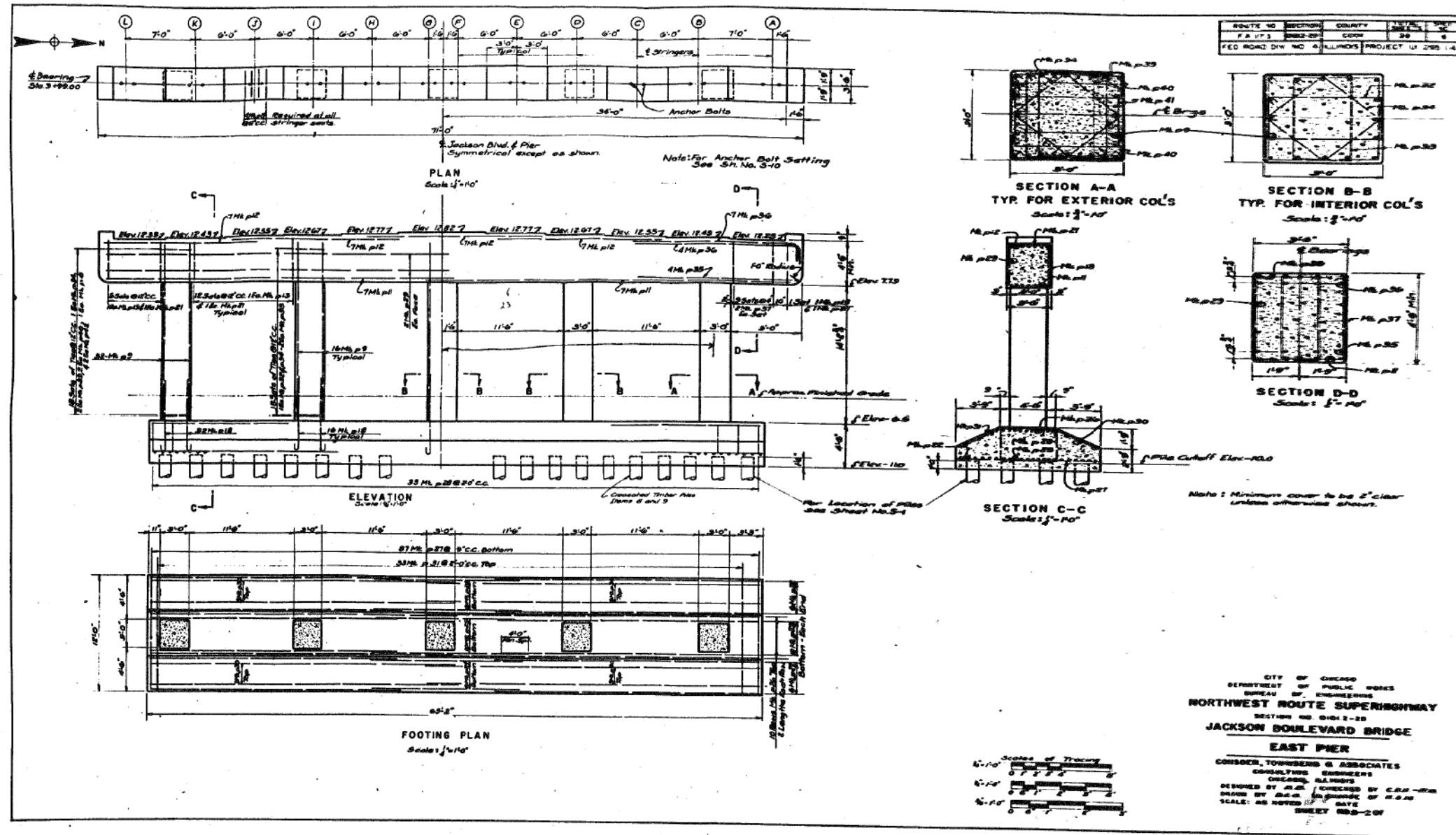
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

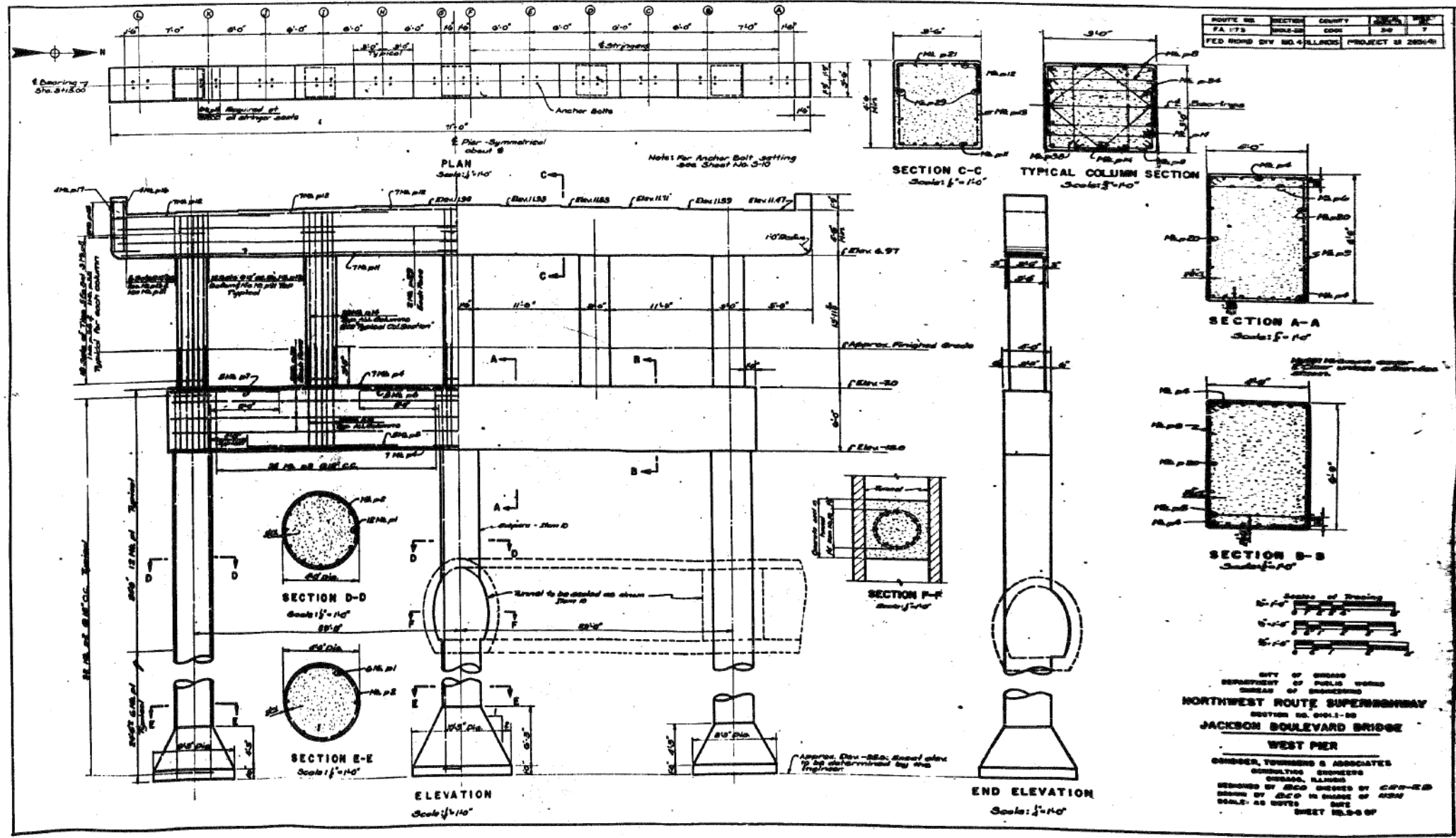
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CONTRACT NO.			60X94	

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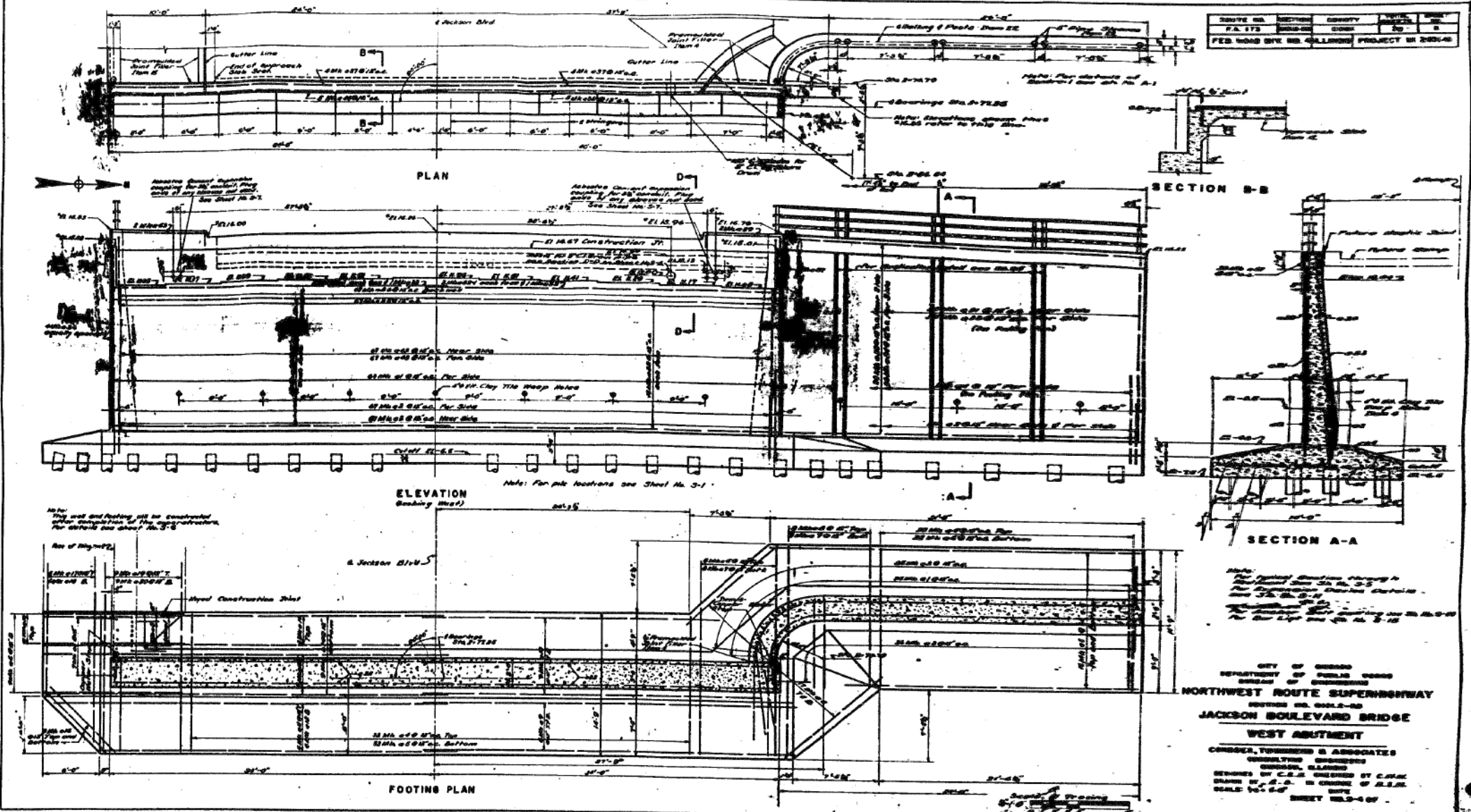
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

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90/94	2014-015R&B-R	COOK	825	771
				CONTRACT NO. 60X94
ILLINOIS FED. AID PROJECT				

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P.A. 173	015R&B-R	COOK	825	772

FED. ROAD BYE NO. 4011000 PROJECT OR 200V-0

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
JACKSON BOULEVARD BRIDGE
WEST ABUTMENT
 CONDER, YOUNG & ASSOCIATES
 CONSULTING ENGINEERS
 CHICAGO, ILLINOIS
 DESIGNED BY C.E. CHERRY BY C.M.K.
 DRAWN BY F.O. IN CHARGE OF D.S.R.
 SCALE 1/4" = 1'-0" DATE
 SHEET 772-107

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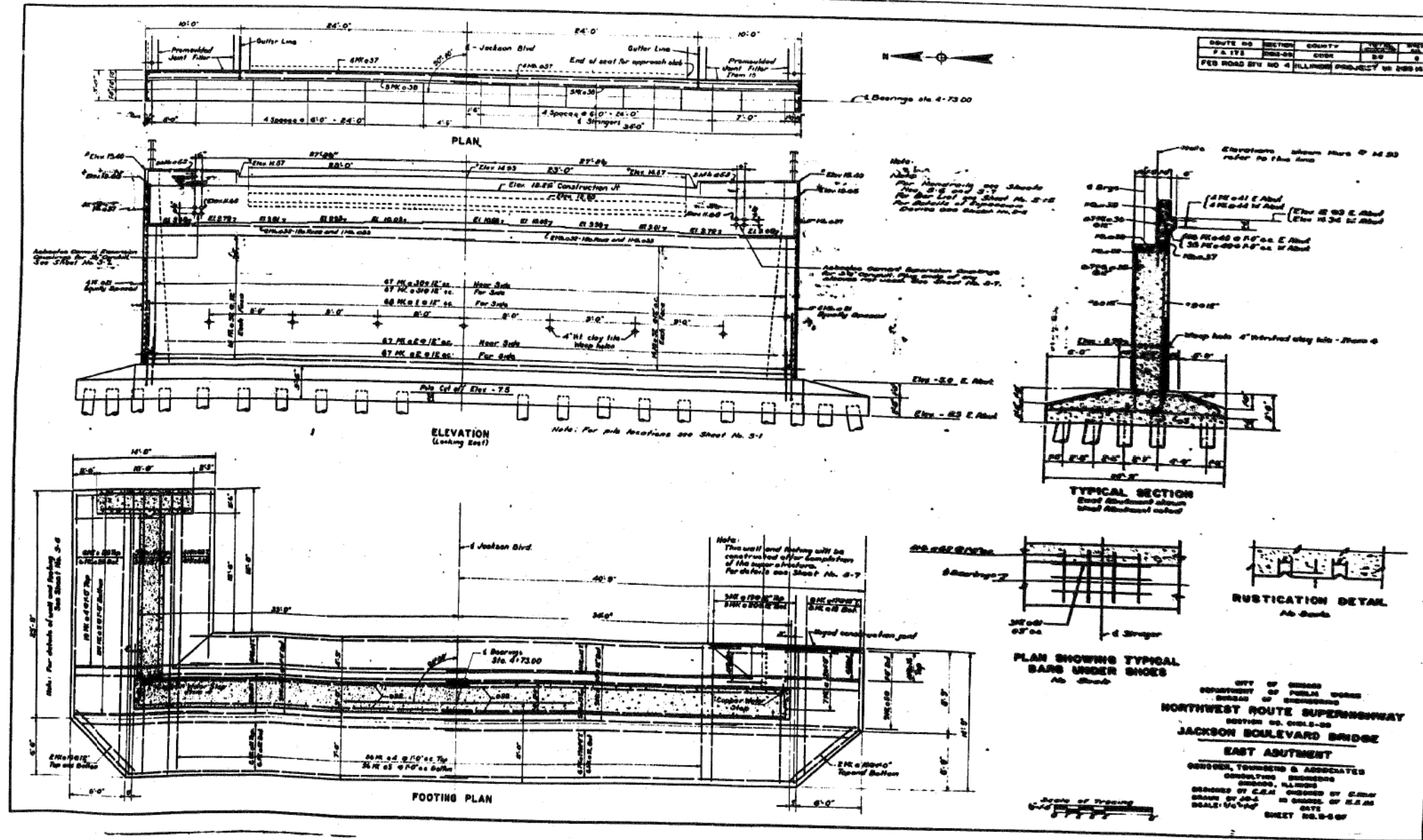
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

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CONTRACT NO.			60X94	
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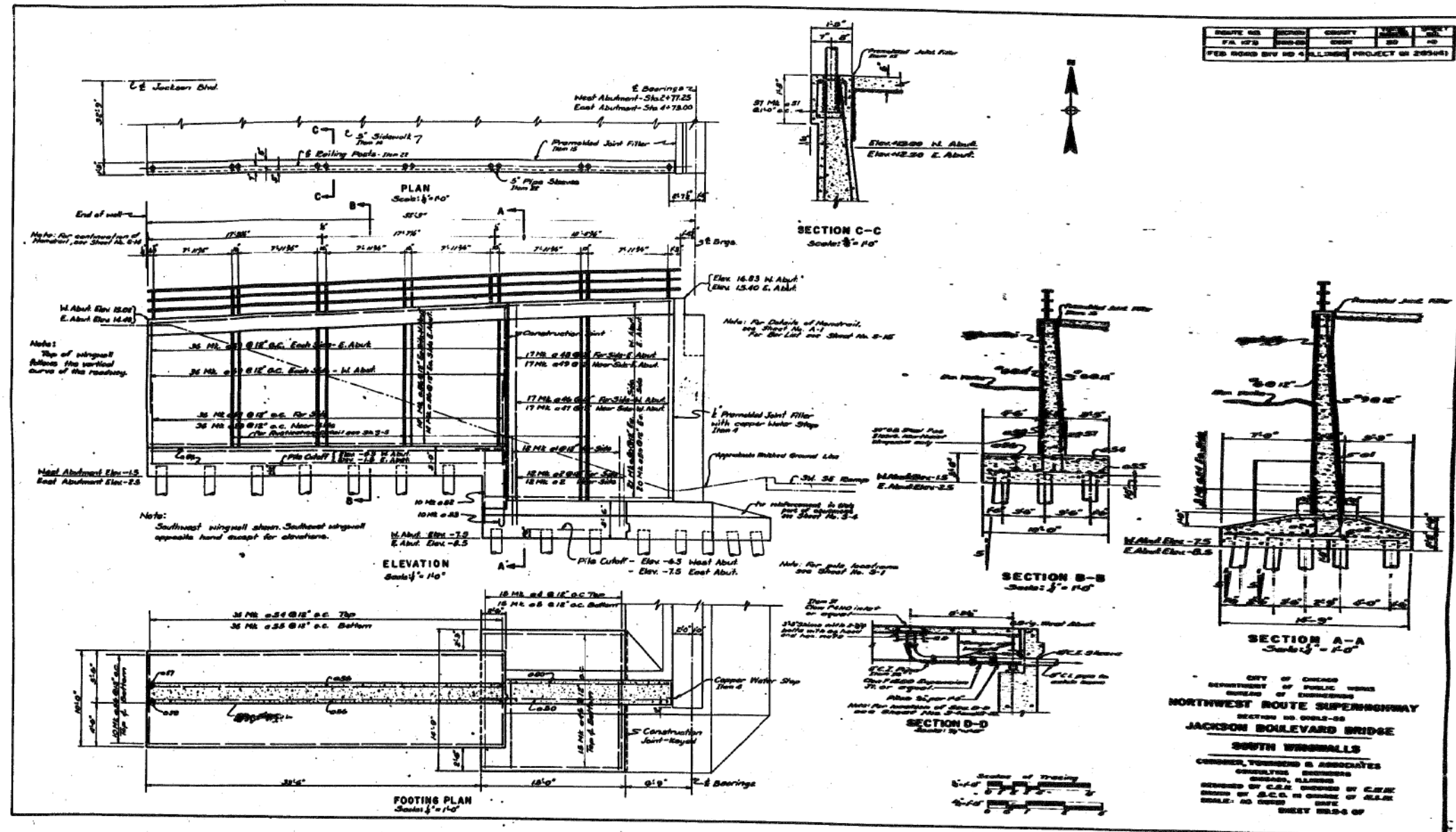
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

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90/94	2014-015R&B-R	COOK	825	773
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
74 173	015R&B-R	COOK	825	774
FEB ROAD DIV NO 4 ILLINOIS PROJECT NO 205451				

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
 SECTION NO. 015R&B-R
JACKSON BOULEVARD BRIDGE
SOUTH BIRDMILLS
 CONRAD TURNER & ASSOCIATES
 CONSULTING ENGINEERS
 CHICAGO, ILLINOIS
 DESIGNED BY C.E. CHERRY BY C.E.K.
 DRAWN BY S.C. IN CHARGE OF S.A.K.
 SCALE: AS SHOWN DATE
 SHEET 753-6 OF

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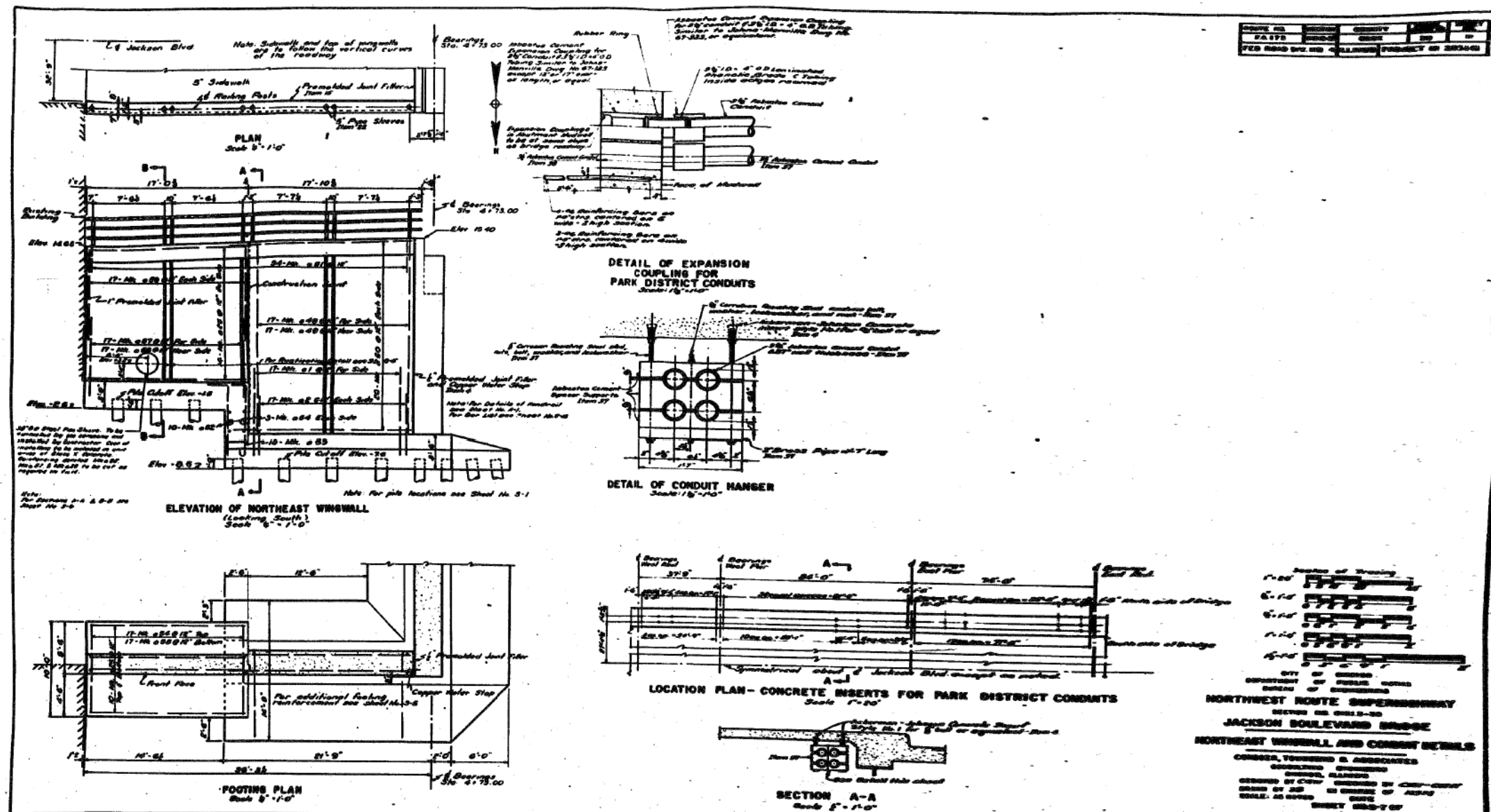
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

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90/94	2014-015R&B-R	COOK	825	774
CONTRACT NO.				60X94
ILLINOIS FED. AID PROJECT				

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1	01/15/10	JTF	WJC	
2	03/16/20	JTF	WJC	

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 015R&B-30
JACKSON BOULEVARD BRIDGE
NORTHEAST WINGWALL AND CONDUIT DETAILS
 CONDER, TURNING & ASSOCIATES
 CONSULTING ENGINEERS
 1000 N. LAUREL STREET, CHICAGO, ILLINOIS 60610
 DESIGNED BY JTF CHECKED BY WJC
 DRAWN BY JTF IN CHARGE OF ASSETS
 SCALE AS NOTED DATE
SHEET 825-7 OF

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-095 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			60X94	

ILLINOIS FED. AID PROJECT

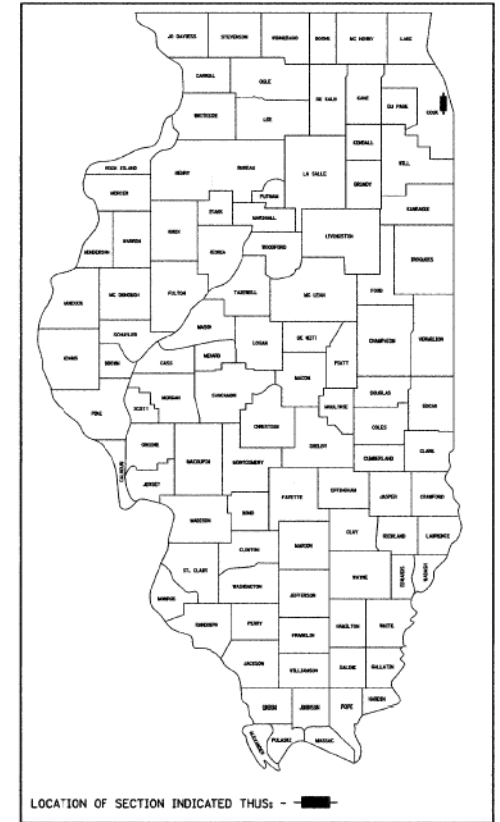
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
 HIGHWAY**

F.A.I. 90 / 94 (INTERSTATE 90 / 94)
 SECTION: (0202.6-2P,ETC,1415,&1517)R-7
 HUBBARDS CAVE TO INTERSTATE 290
 RAMP EXTENSIONS AND RETAINING WALLS
 PROJECT: ESP-0005(659)
 COOK COUNTY
 C-91-091-02

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0202.6-2P,ETC,1415,&1517R-7	COOK	246	1

CONTRACT NO. 62408
 246+1=247
 D-91-301-97



FOR INDEX OF SHEETS, SEE SHEET NO. 2

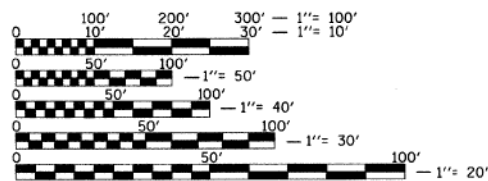
PROJECT IS LOCATED IN
 THE CITY OF CHICAGO

TRAFFIC DATA

I 90 / 94: 261,200 VEHICLES (1998 ADT)

POSTED SPEED LIMITS

I 90 / 94 45 MPH



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

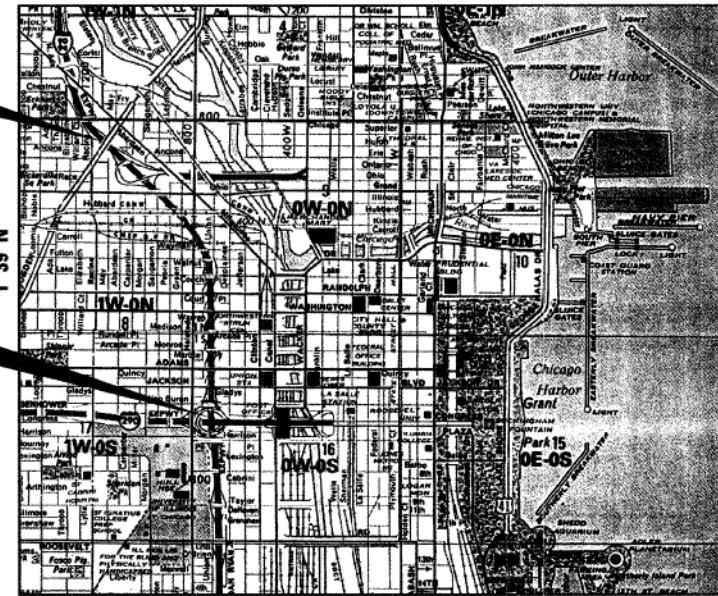
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 C.U.A.N. (312) 744-7000

CONTRACT NO. 62408

COUNTY: COOK SECTION: (0202.6-2P,ETC,1415,&1517)R-7 F.A.I. ROUTE: 90 / 94

PROJECT ENDS
 STA. 100+45.00

PROJECT BEGINS
 STA 15+53.00



GROSS LENGTH PROJECT = 8492 FEET = 1.61 MILES
 NET LENGTH PROJECT = 8492 FEET = 1.61 MILES

ROADWAY & STRUCTURES DESIGNED BY

EDLZ
 85 WEST ALCONJUN ROAD, SUITE 220 - ARLINGTON HEIGHTS, IL 60005
 PHONE: (847) 640-0840 - FAX: (847) 640-0856

STATE OF ILLINOIS
 PROFESSIONAL ENGINEER
 Gregory R. Burns
 043215

STATE OF ILLINOIS
 PROFESSIONAL ENGINEER
 6519

Signature: *Gregory R. Burns* 11/20/2009 EXPIRES

Signature: *Peter B. Dombrowski* 11-30-2010 EXPIRES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED: FEBRUARY 3, 2009

Signature: *Diane M. O'Keefe*
 DISTRICT ENGINEER

20

ENGINEER OF PROJECT DEVELOPMENT AND IMPLEMENTATION
 March 27, 2009
 Signature: *Charles J. Ingersoll*
 ENGINEER OF DESIGN AND ENVIRONMENT

March 27, 2009
 Signature: *Christine M. Reed*
 DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY AUTHORITY OF THE
 STATE OF ILLINOIS

CONSULTANT SERVICES SECTION DISTRICT ONE - DESIGN / KEN ENG (847) 705-4247

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-096 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			60X94	

ILLINOIS FED. AID PROJECT

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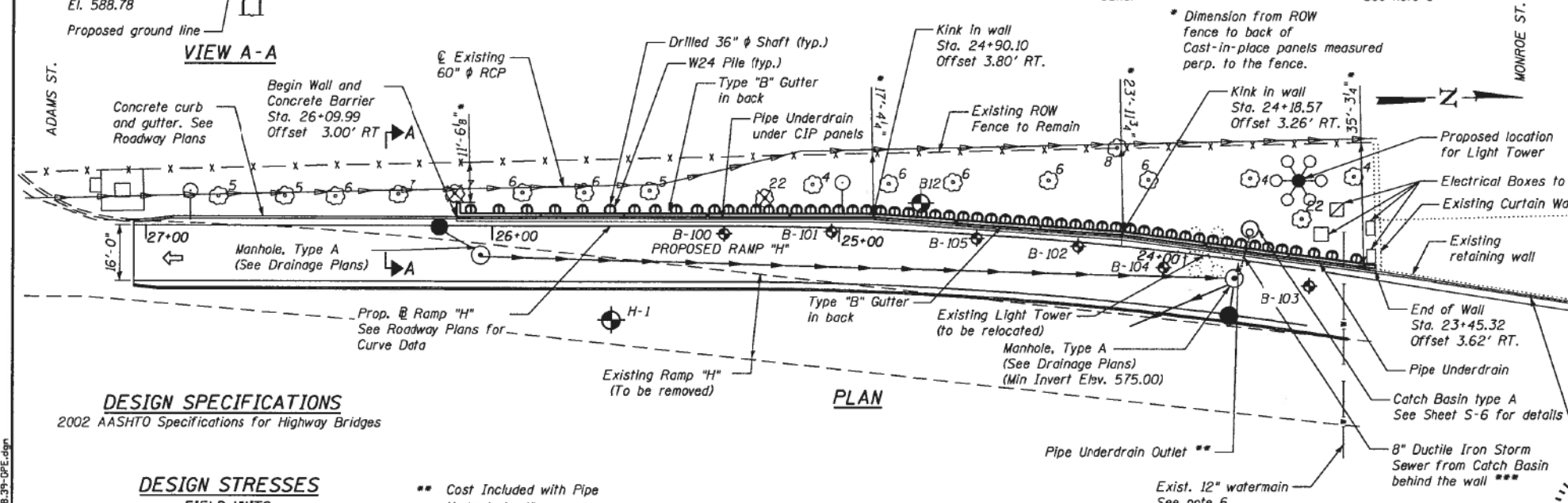
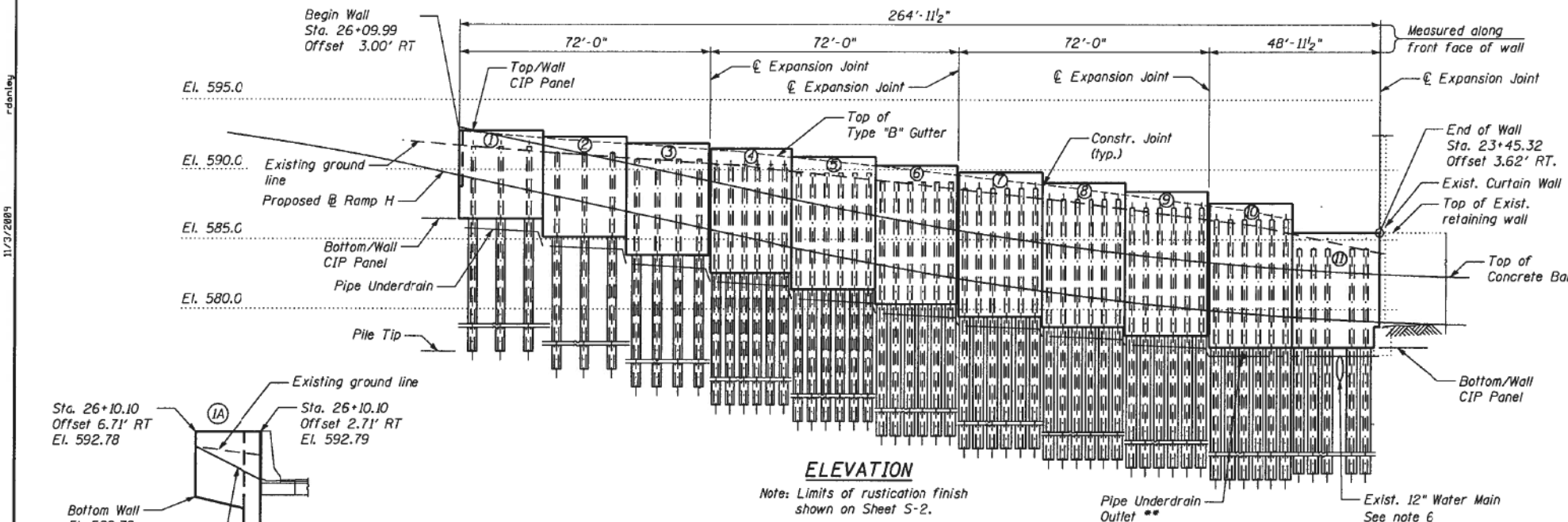
BENCHMARK: BM 901-N.W. Anchor Bolt of High Mast Light Pole,
Sta. 32+81, (E.B. I-90/94) Offset 96 Ft. Left; Elev.=587.33
EXISTING STRUCTURE: None.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

WALL INFORMATION

PANEL NUMBER	TOP/WALL ELEVATION	BOTT/WALL ELEVATION	PILE TIP ELEVATION	PILE SECTION	BEGIN PANEL STATION AND OFFSET
1A	592.79	588.78			26+09.99 / 7.00' RT.
1	592.79	586.46	556.80	W24x104	26+09.99 / 3.00' RT.
2	592.33	585.17	553.10	W24x104	25+85.99 / 3.00' RT.
3	591.87	583.87	549.70	W24x104	25+61.99 / 2.99' RT.
4	591.50	582.58	546.20	W24x104	25+37.99 / 3.09' RT.
5	590.92	581.42	543.50	W24x104	25+14.03 / 3.21' RT.
6	590.29	580.37	540.40	W24x104	24+90.10 / 3.80' RT.
7	589.79	579.46	538.60	W24x117	24+66.18 / 3.26' RT.
8	589.04	578.71	537.90	W24x117	24+42.24 / 3.23' RT.
9	588.42	578.08	536.50	W24x117	24+18.31 / 3.70' RT.
10	587.58	577.25	535.30	W24x117	23+94.38 / 3.17' RT.
11	585.50	577.25	540.00	W24x146	23+70.44 / 3.15' RT.

See Sheet S-6 for pile stations and offsets



DESIGN SPECIFICATIONS
2002 AASHTO Specifications for Highway Bridges

DESIGN STRESSES
FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (Reinforcement)
f_y = 50,000 psi (M270 Grade 50)

DESIGNED - BWS
CHECKED - EKM
DRAWN - SAT
CHECKED - AMK

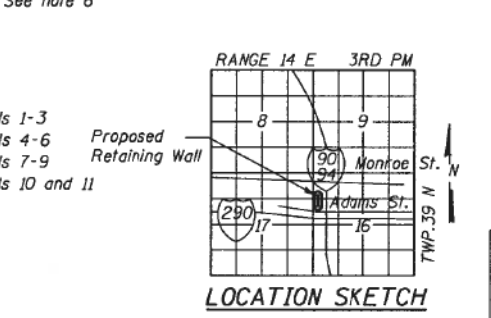
** Cost Included with Pipe Underdrain 4"
*** Cost Included with Catch Basin, Type A

LEGEND

- ⊙ Soil Boring
- ⊙ Tree, Diameter (inches)
- ⊗ Tree to be removed, Diameter (inches)
- ⊙ Panel Number
- ⊙ Temporary Electrical Pole

INDEX OF SHEETS

- S-1 General Plan and Elevation
- S-2 Soldier Pile Wall Details
- S-3 Soldier Pile Wall (Ramp H), Panels 1-3
- S-4 Soldier Pile Wall (Ramp H), Panels 4-6
- S-5 Soldier Pile Wall (Ramp H), Panels 7-9
- S-6 Soldier Pile Wall (Ramp H), Panels 10 and 11
- S-7 Soil Boring 1
- S-8 Soil Boring 2
- S-9 Soil Boring 3
- S-10 Soil Boring 4
- S-11 Soil Boring 5
- S-12 Soil Boring 6



- GENERAL NOTES**
- Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60. See special provisions.
 - Reinforcement bars designated (E) shall be epoxy coated.
 - The contractor is responsible for the design and performance of the lagging using no less than a 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.
 - All construction joints shall be bonded.
 - Stations and offsets for the wall are given from the baseline of Ramp "H" to the front face of Cast in Place panels.
 - The contractor shall locate the existing 60" reinforced concrete pipe, the existing 12" watermain, and all other utilities prior to construction. Any damage to utilities to be repaired at the contractor's expense.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Tree Removal (6 to 15 Units Diameter)	Unit	7
Tree Removal (Over 15 Units Diameter)	Unit	22
Structure Excavation	Cu. Yd	198.0
Concrete Structures	Cu. Yd	96.5
Rustication Finish	Sq. Ft.	344
Stud Shear Connectors	Each	519
Untreated Timber Lagging	Sq. Ft.	1,701
Reinforcement Bars, Epoxy Coated	Pound	11,140
Furnishing Soldier Piles (W Section)	Foot	2,580
Geocomposite Wall Drain	Sq. Yd.	102
Pipe Underdrain for Structures 4"	Foot	275
Concrete Gutter, Type B	Foot	240
Concrete Barrier, Single Face, 42 Inch Height	Foot	337
Concrete Barrier Base	Foot	337
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	18,240
Catch Basins, Type A, 4' Diameter, Type 10 Frame and Grate	Each	1

* Special Provision

GENERAL PLAN AND ELEVATION
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
STRUCTURE NO. 016-W989

SHEET NO.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S-1	90/94	0202.6-2P, ETC, 1415 & 1517 R-7	COOK	246	124A

S-12 SHEETS
CONTRACT NO. 62408
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

11/2/2009



USER NAME	DESIGNED	REVISIONS
v1janachone	JTF	
	WJC	
	JTF	
	WJC	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS

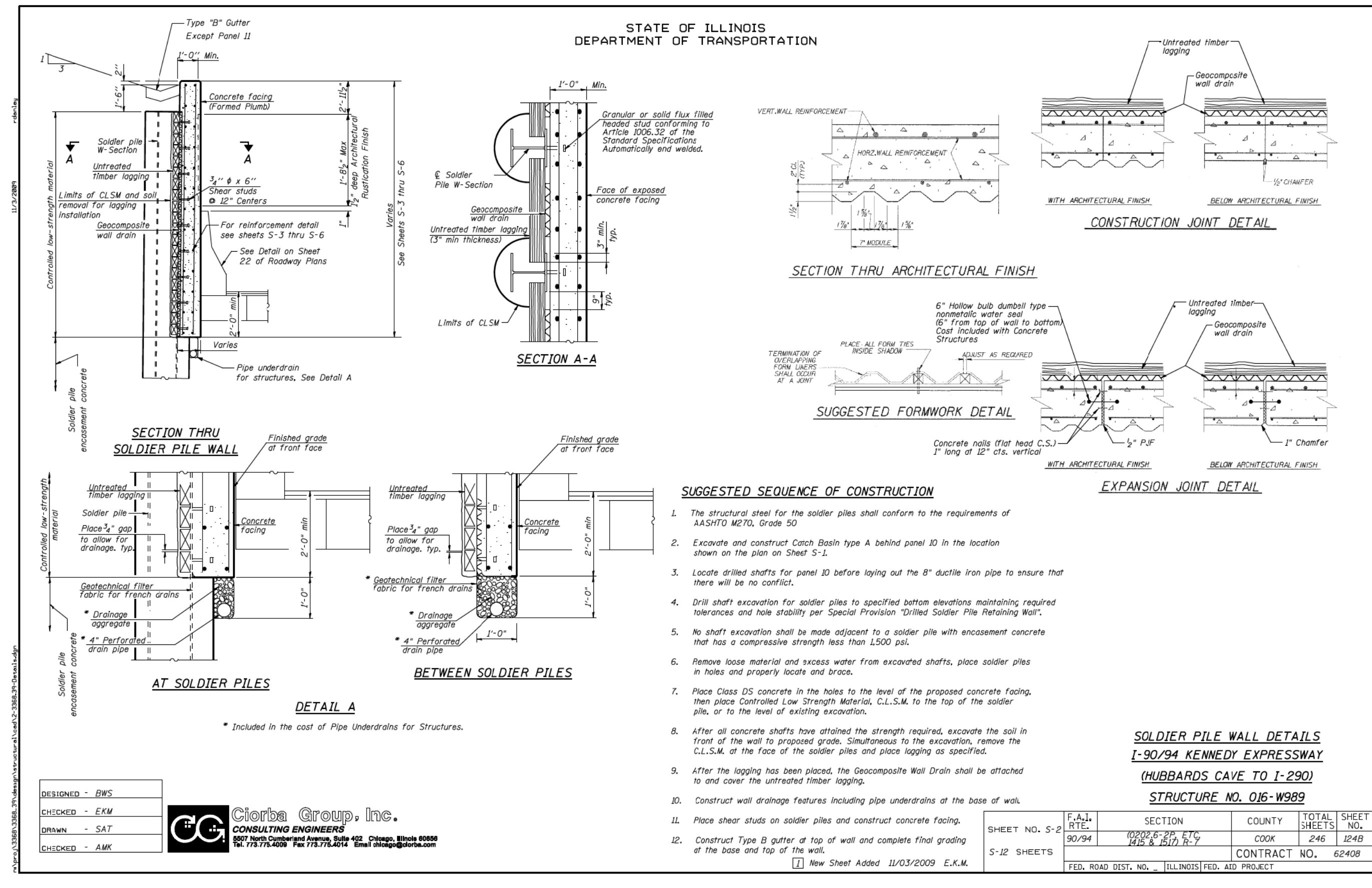
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	777

CONTRACT NO. 60X94
ILLINOIS FED. AID PROJECT

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SUGGESTED SEQUENCE OF CONSTRUCTION

- The structural steel for the soldier piles shall conform to the requirements of AASHTO M270, Grade 50
- Excavate and construct Catch Basin type A behind panel 10 in the location shown on the plan on Sheet S-1.
- Locate drilled shafts for panel 10 before laying out the 8" ductile iron pipe to ensure that there will be no conflict.
- Drill shaft excavation for soldier piles to specified bottom elevations maintaining required tolerances and hole stability per Special Provision "Drilled Soldier Pile Retaining Wall".
- No shaft excavation shall be made adjacent to a soldier pile with encasement concrete that has a compressive strength less than 1,500 psi.
- Remove loose material and excess water from excavated shafts, place soldier piles in holes and properly locate and brace.
- Place Class DS concrete in the holes to the level of the proposed concrete facing, then place Controlled Low Strength Material, C.L.S.M. to the top of the soldier pile, or to the level of existing excavation.
- After all concrete shafts have attained the strength required, excavate the soil in front of the wall to proposed grade. Simultaneous to the excavation, remove the C.L.S.M. at the face of the soldier piles and place lagging as specified.
- After the lagging has been placed, the Geocomposite Wall Drain shall be attached to and cover the untreated timber lagging.
- Construct wall drainage features including pipe underdrains at the base of wall.
- Place shear studs on soldier piles and construct concrete facing.
- Construct Type B gutter at top of wall and complete final grading at the base and top of the wall.

SOLDIER PILE WALL DETAILS
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
STRUCTURE NO. 016-W989

DESIGNED - BWS
CHECKED - EKM
DRAWN - SAT
CHECKED - AMK

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SHEET NO. S-2 S-12 SHEETS	F.A.I. RTE. 90/94	SECTION 0202.6-2P, ETC, 1415 & 1517 R-7	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 124B
	CONTRACT NO. 62408			ILLINOIS FED. AID PROJECT	

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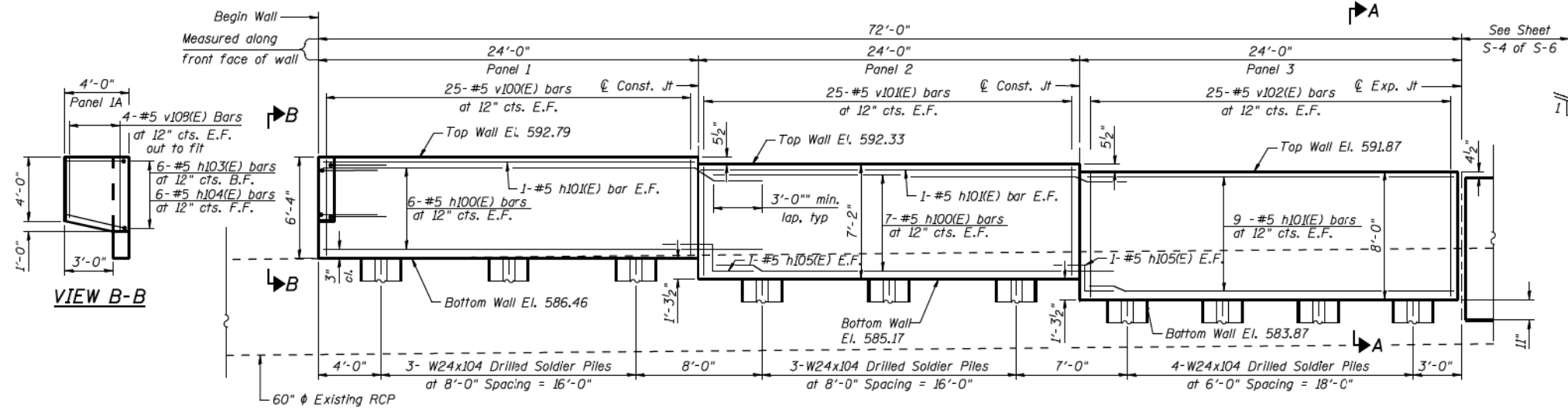
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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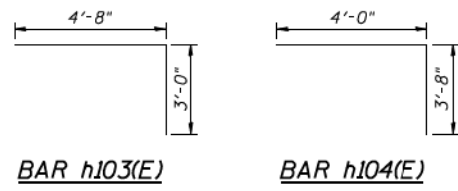
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CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

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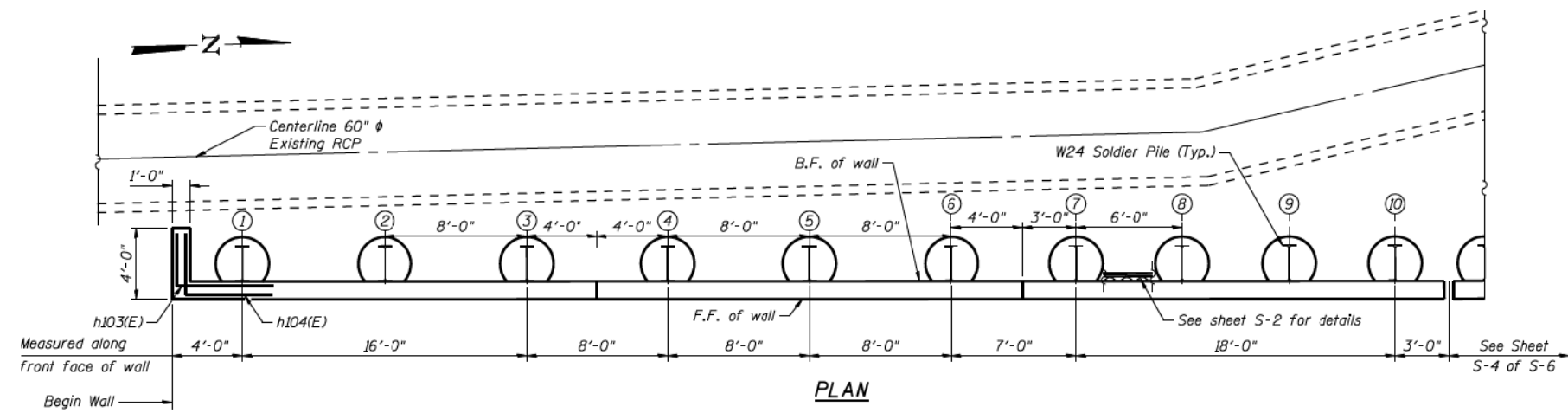
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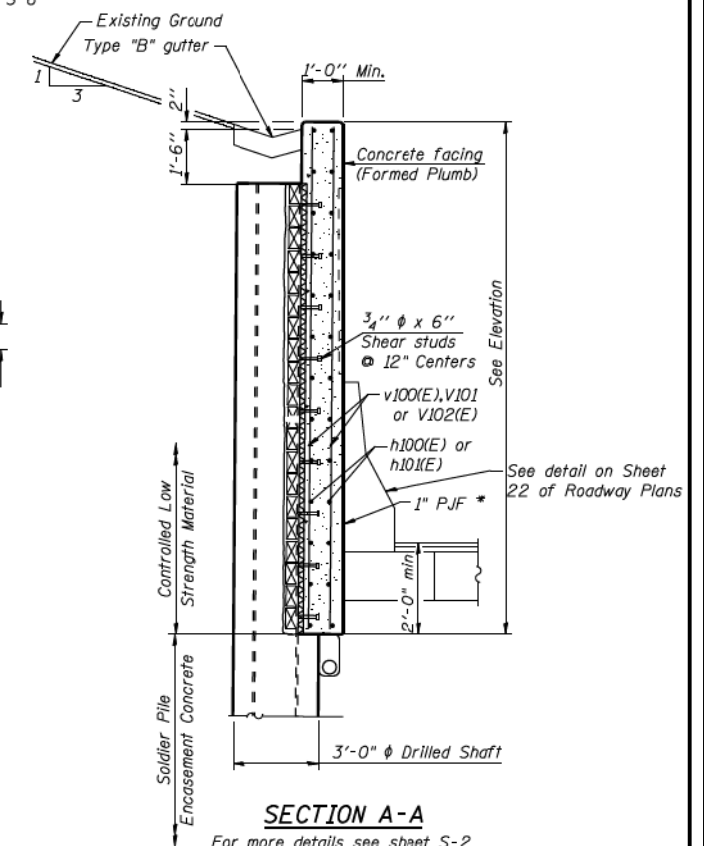
ELEVATION



BAR h103(E) **BAR h104(E)**



PLAN



SECTION A-A

For more details see sheet S-2

* Cost is included with Concrete Structures

- NOTES:**
1. See sheet S-6 for pile and bar schedules.
 2. See sheet S-1 for bill of material.
 3. For construction and expansion joint details see sheet S-2.

SOLDIER PILE WALL (RAMP H), PANELS 1-3
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
STRUCTURE NO. 016-W989

LEGEND

B.F. denotes back face.
F.F. denotes front face.
E.F. denotes each face.

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SHEET NO. S-3 S-12 SHEETS	F.A.I. RTE. 90/94	SECTION 0202.6-2P, ETC, 1415 & 1517 R-7	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 124C
	CONTRACT NO. 62408			ILLINOIS FED. AID PROJECT	

1 New Sheet Added 11/03/2009 E.K.M.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

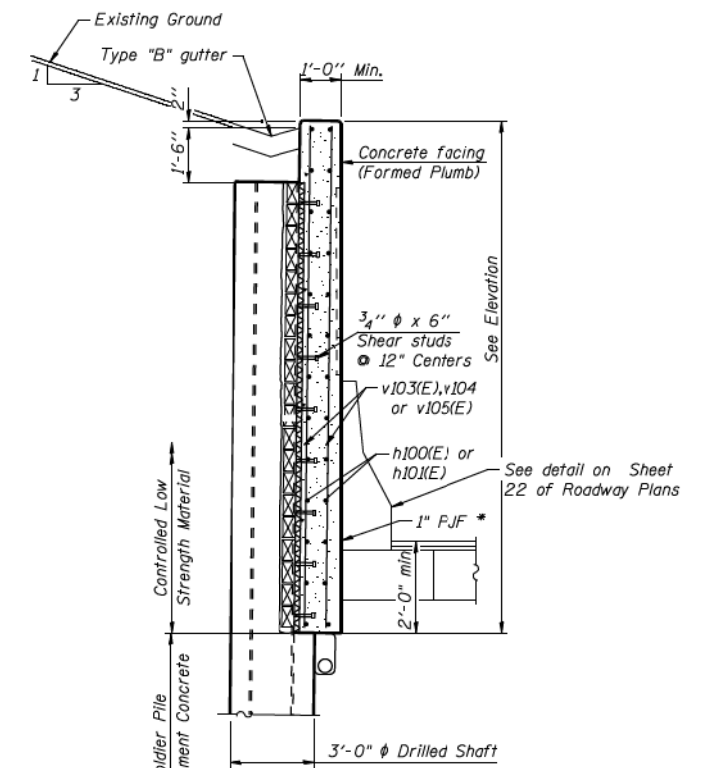
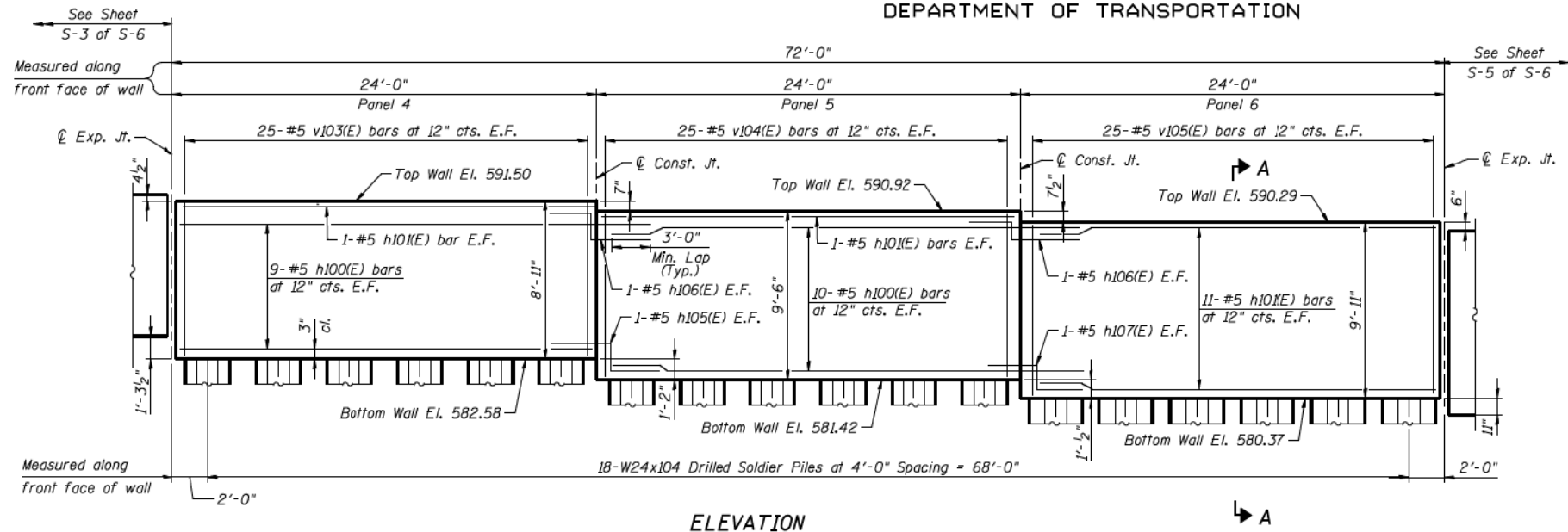
EXISTING RECORD DRAWINGS

SHEET NO. AB-099 OF AB-145 SHEETS

F.A.I. RTE. 90/94	SECTION 2014-015R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 779
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

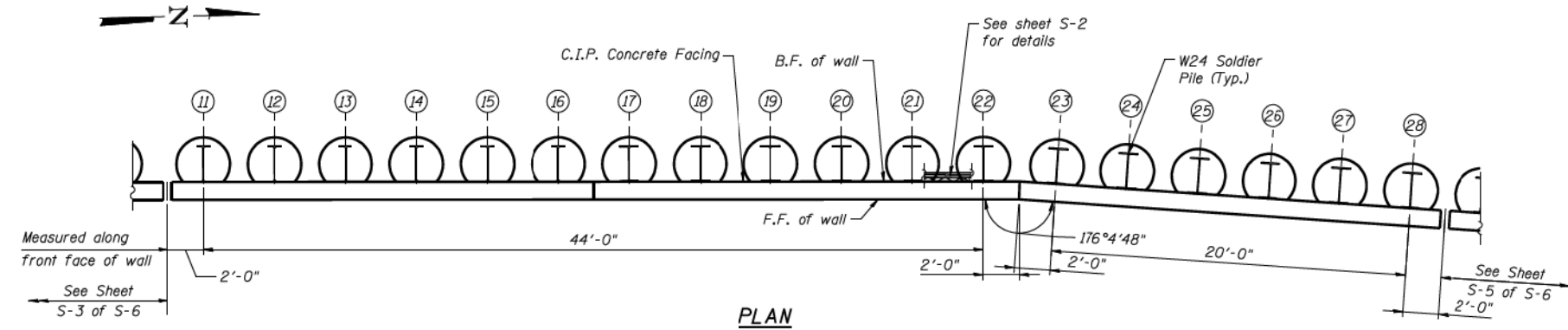
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DEPARTMENT OF TRANSPORTATION



For more details see sheet S-2
* Cost is included with Concrete Structures

- NOTES:**
1. See sheet S-6 for pile and bar schedules.
 2. See sheet S-1 for bill of material.
 3. For construction and expansion joint details see sheet S-2.



SOLDIER PILE WALL (RAMP H), PANELS 4-6
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
STRUCTURE NO. 016-W989

DESIGNED - BWS
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LEGEND
B.F. denotes back face.
F.F. denotes front face.
E.F. denotes each face.

SHEET NO. S-4 S-12 SHEETS	F.A.I. RTE. 90/94	SECTION 0202.6-2P, ETC, 1415 & 1517 R-7	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 124D
	CONTRACT NO. 62408			ILLINOIS FED. AID PROJECT	

1 New Sheet Added 11/03/2009 E.K.M.

11/31/05 AM
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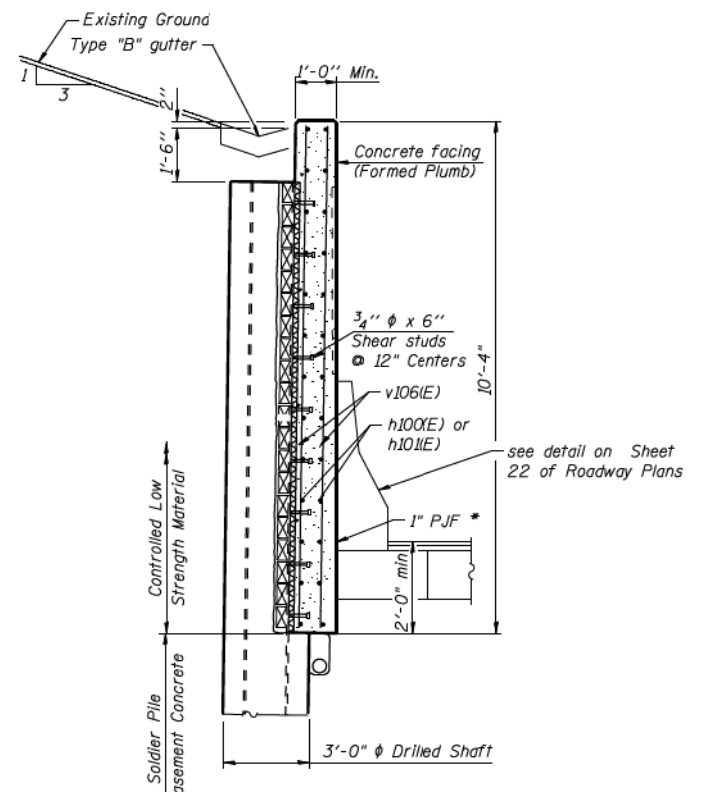
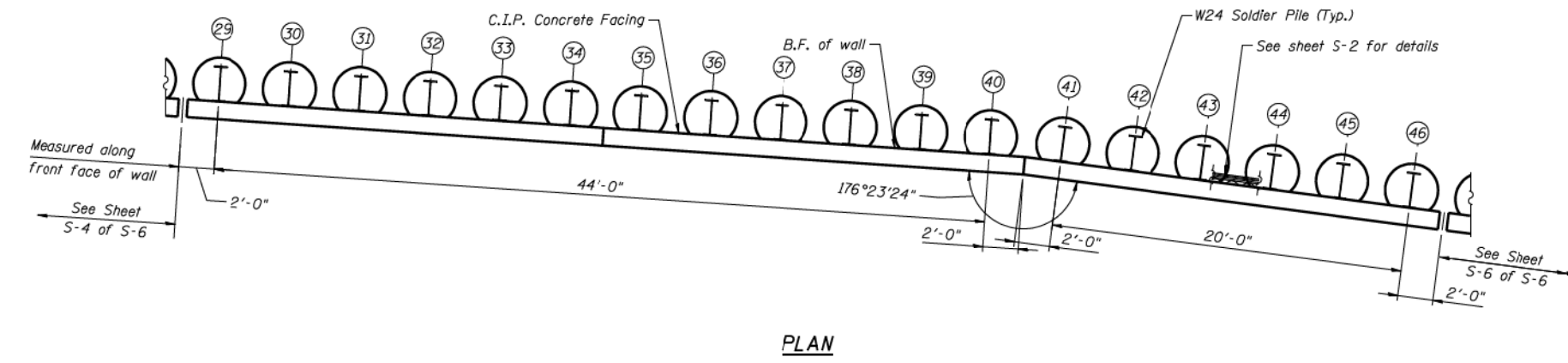
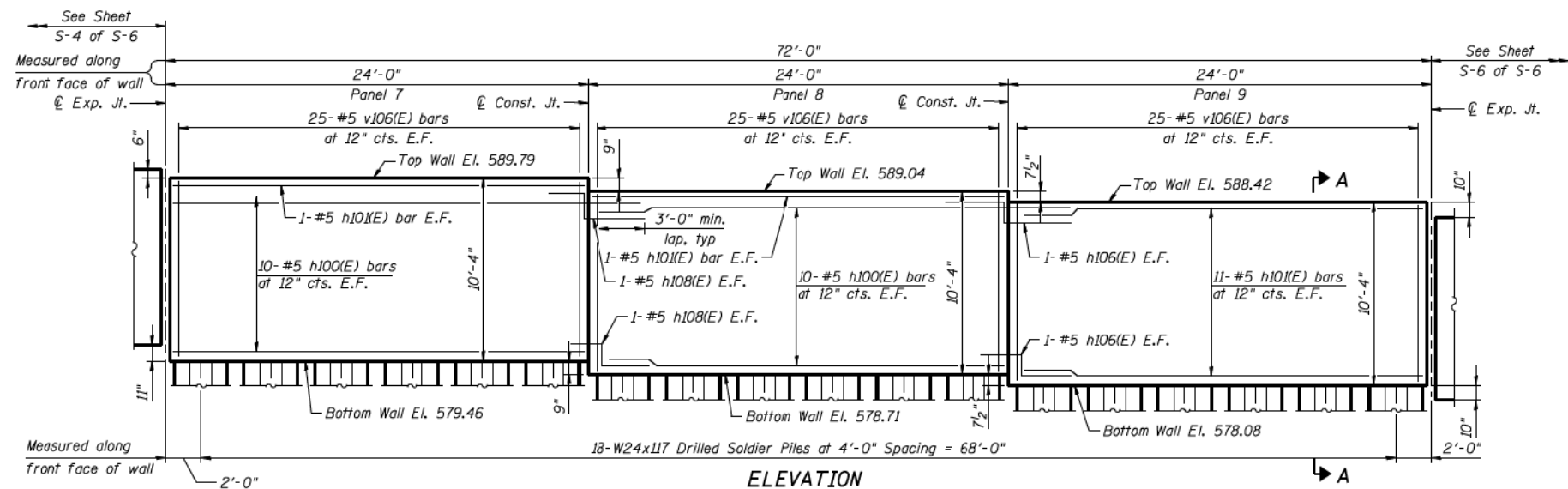
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SHEET NO. AB-100 OF AB-145 SHEETS

F.A.I. RTE. 90/94	SECTION 2014-015R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 780
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

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DEPARTMENT OF TRANSPORTATION



SECTION A-A
For more details see sheet S-2
* Cost is included with Concrete Structures

- NOTES:**
1. See sheet S-6 for pile and bar schedules.
 2. See sheet S-1 for bill of material.
 3. For construction and expansion joint details see sheet S-2.

11/23/2009

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LEGEND

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F.F. denotes front face.
E.F. denotes each face.

1 New Sheet Added 11/03/2009 E.K.M.

SOLDIER PILE WALL (RAMP H), PANELS 7-9
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
STRUCTURE NO. 016-W989

SHEET NO. S-5 S-12 SHEETS	F.A.I. RTE. 90/94	SECTION 0202.6-2P, ETC, 1415 & 1517 R-7	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 124E
	CONTRACT NO. 62408				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

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DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS
SHEET NO. AB-101 OF AB-145 SHEETS

F.A.I. RTE. 90/94	SECTION 2014-015R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 781
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ILLINOIS FED. AID PROJECT				

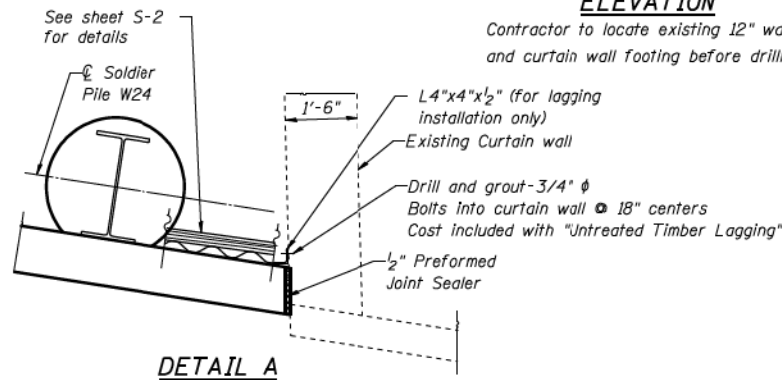
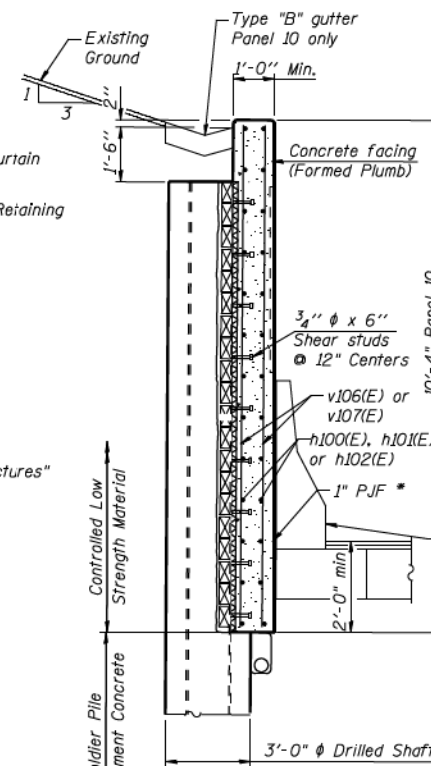
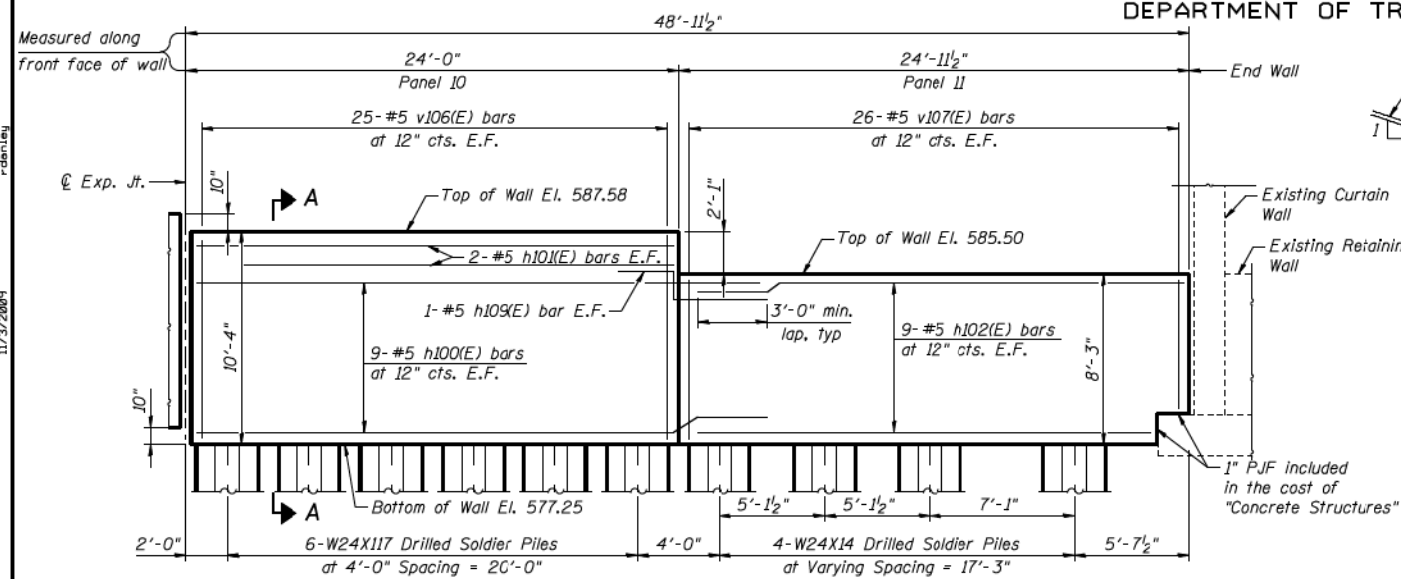
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PILE SCHEDULE

PILE NO.	STATION	OFFSET	PILE NO.	STATION	OFFSET
Pile # 1	26+05.98	4.99	Pile # 31	24+56.20	5.18
Pile # 2	25+97.98	4.99	Pile # 32	24+52.21	5.17
Pile # 3	25+89.98	4.99	Pile # 33	24+48.23	5.18
Pile # 4	25+81.98	4.99	Pile # 34	24+44.25	5.21
Pile # 5	25+73.98	4.99	Pile # 35	24+40.26	5.24
Pile # 6	25+65.98	4.98	Pile # 36	24+36.28	5.29
Pile # 7	25+58.98	4.98	Pile # 37	24+32.30	5.36
Pile # 8	25+52.98	4.98	Pile # 38	24+28.32	5.44
Pile # 9	25+46.98	4.98	Pile # 39	24+24.34	5.53
Pile # 10	25+40.98	4.98	Pile # 40	24+20.36	5.64
Pile # 11	25+35.98	5.08	Pile # 41	24+16.25	5.63
Pile # 12	25+31.98	5.08	Pile # 42	24+12.27	5.52
Pile # 13	25+28.00	5.08	Pile # 43	24+08.29	5.42
Pile # 14	25+24.01	5.10	Pile # 44	24+04.31	5.33
Pile # 15	25+20.03	5.13	Pile # 45	24+00.33	5.25
Pile # 16	25+16.05	5.17	Pile # 46	23+96.35	5.19
Pile # 17	25+12.08	5.23	Pile # 47	23+92.37	5.16
Pile # 18	25+08.08	5.30	Pile # 48	23+88.38	5.12
Pile # 19	25+04.10	5.39	Pile # 49	23+84.40	5.11
Pile # 20	25+00.12	5.48	Pile # 50	23+80.42	5.10
Pile # 21	24+96.14	5.60	Pile # 51	23+76.44	5.11
Pile # 22	24+92.16	5.73	Pile # 52	23+72.45	5.14
Pile # 23	24+88.05	5.73	Pile # 53	23+68.47	5.21
Pile # 24	24+84.07	5.61	Pile # 54	23+63.37	5.28
Pile # 25	24+80.09	5.51	Pile # 55	23+58.27	5.37
Pile # 26	24+76.11	5.42	Pile # 56	23+51.19	5.53
Pile # 27	24+72.12	5.34			
Pile # 28	24+68.14	5.28			
Pile # 29	24+64.16	5.23			
Pile # 30	24+60.18	5.20			

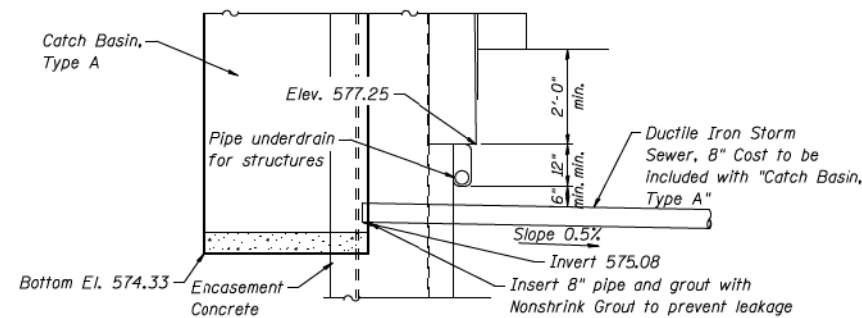
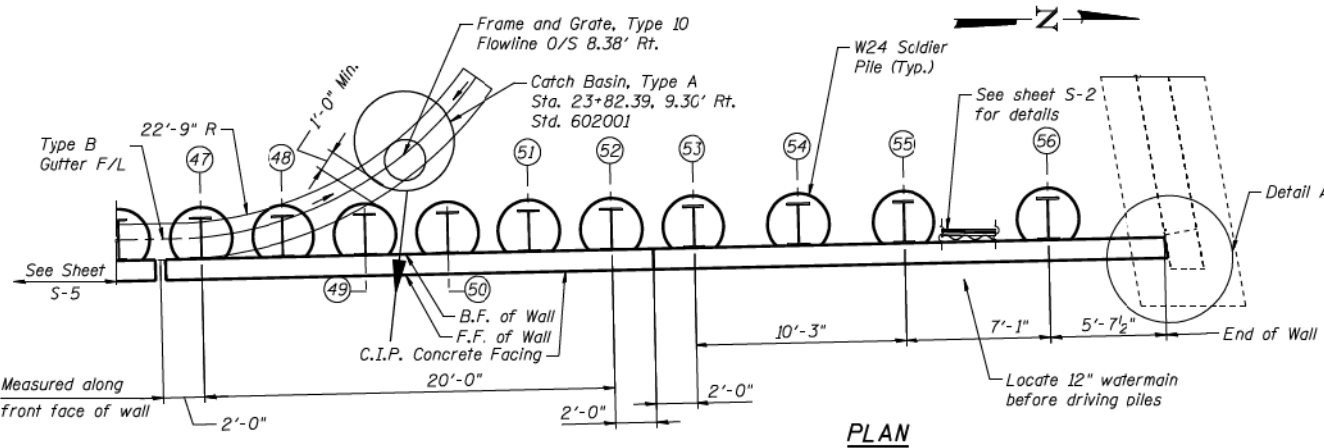
Note: Stations and offsets for the piles are given from the baseline of Ramp "H" to the center of the pile.



BAR	A
h105(E)	1'-3"
h106(E)	7"
h107(E)	1'-0"
h108(E)	9"
h109(E)	2'-1"

BAR SCHEDULE

BAR	NO.	SIZE	LENGTH	SHAPE
h100(E)	122	# 5	27'-0"	---
h101(E)	78	# 5	23'-8"	---
h102(E)	18	# 5	24'-8"	---
h103(E)	6	# 5	7'-8"	---
h104(E)	6	# 5	7'-8"	---
h105(E)	6	# 5	7'-5"	---
h106(E)	8	# 5	6'-9"	---
h107(E)	2	# 5	7'-2"	---
h108(E)	4	# 5	6'-11"	---
h109(E)	2	# 5	8'-3"	---
v100(E)	50	# 5	6'-0"	---
v101(E)	50	# 5	6'-10"	---
v102(E)	50	# 5	7'-8"	---
v103(E)	50	# 5	8'-7"	---
v104(E)	50	# 5	9'-2"	---
v105(E)	50	# 5	9'-7"	---
v106(E)	200	# 5	10'-0"	---
v107(E)	52	# 5	7'-11"	---
v108(E)	8	# 5	4'-8"	---



**SOLDIER PILE WALL, (RAMP H)
PANELS 10 AND 11
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
STRUCTURE NO. 016-W989**

DESIGNED - BWS
CHECKED - EKM
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CHECKED - AMK

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NOTES:

- See sheet S-1 for total bill of material.
- For construction and expansion joint details see sheet S-2.
- The cost for all steel angles and attachments provided to be included with "Untreated Timber Lagging."

LEGEND

- B.F. denotes back face.
F.F. denotes front face.
E.F. denotes each face.

SHEET NO. S-6	F.A.I. RTE. 90/94	SECTION 0202.6-2P, ETC, 1415 & 1517 R-7	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 124F
S-12 SHEETS	CONTRACT NO. 62408		ILLINOIS FED. AID PROJECT		

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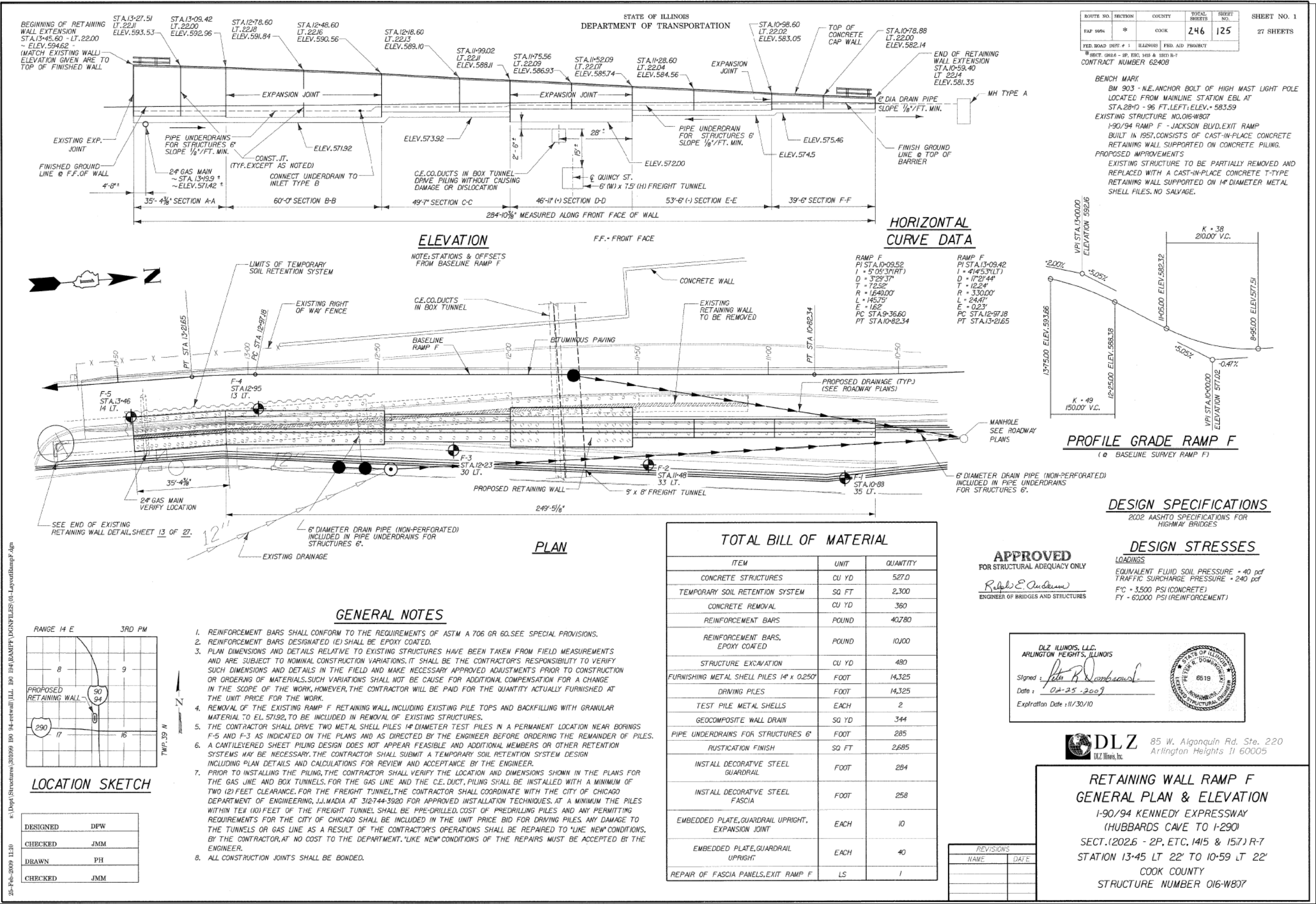
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-102 OF AB-145 SHEETS

F.A.I. RTE. 90/94	SECTION 2014-015R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 782
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

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PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

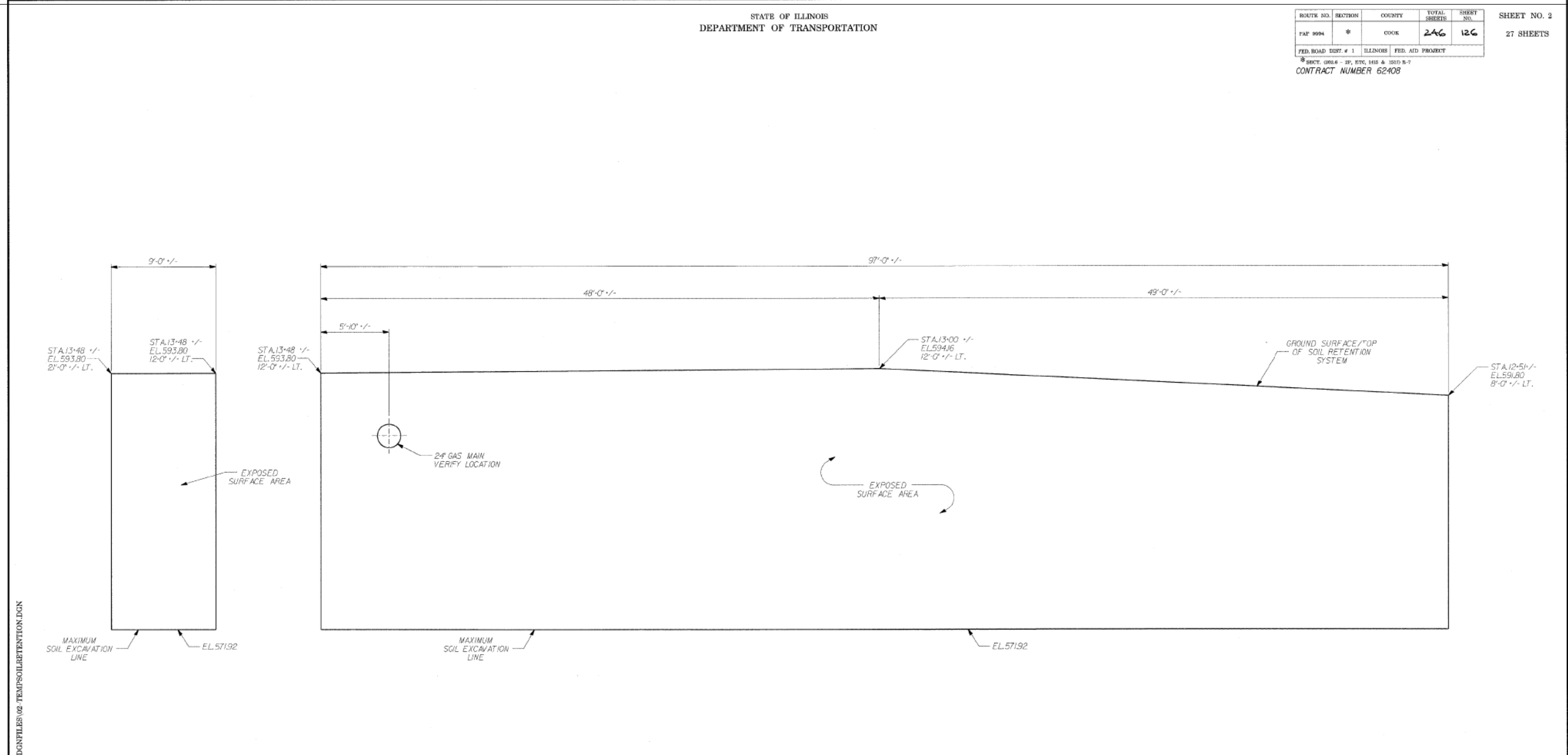
SHEET NO. AB-103 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	783
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
FAP 9094	*	COOK	246	126	27 SHEETS
FED. ROAD DIST. # 1 ILLINOIS FED. AID PROJECT					
* SECT. 102.6 - 2P, ETC, 1415 & 1517 R-7					
CONTRACT NUMBER 62408					



TEMPORARY SOIL RETENTION SYSTEM

s:\Dept\Structures\201999 ID 04-retwall\ILL ID 04\RAMPF\DCNFILES\02-TEMPSOILRETENTION.DGN
04-Feb-2009 09:26

DESIGNED	ASP
CHECKED	MBJ
DRAWN	BEM
CHECKED	ASP

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

**RETAINING WALL RAMP F
TEMPORARY SOIL RETENTION SYSTEM**
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
STATION 13+45 LT 22' TO 10+59 LT 22'
COOK COUNTY
STRUCTURE NUMBER 016-W807

REVISIONS	
NAME	DATE

11:31:43 AM
D:\60X94-SHT-AS-BUILT-104.dgn



USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS

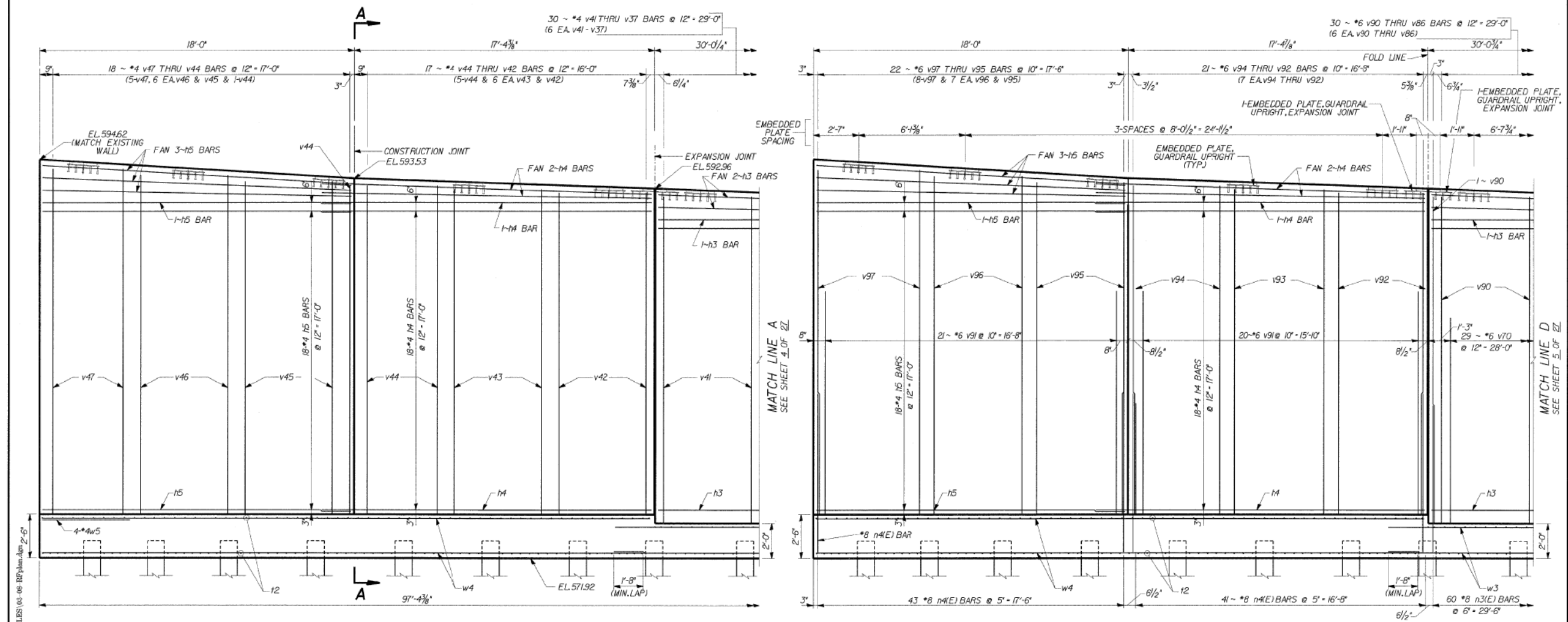
SHEET NO. AB-104 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	784
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3
FAP 904	*	COOK	246	127	27 SHEETS
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT		
* SECT. 1202.6 - 2P, ETC, 1415 & 1517 R-7					
CONTRACT NUMBER 62408					



ELEVATION
(SHOWING FRONT FACE REINFORCEMENT)

ELEVATION
(SHOWING BACK FACE REINFORCEMENT)

MINIMUM BAR LAPS
 *4 BARS - 1'-8"
 *6 BARS - 8'-4"

DLZ 85 W. ALGONQUIN RD. STE. 220
ARLINGTON HEIGHTS, IL 60005

**RETAINING WALL RAMP F
DETAILS**
 I-90/94 KENNEDY EXPRESSWAY
 (HUBBARDS CAVE TO I-290)
 SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
 STATION 13+45 LT 22' TO 10+59 LT 22'
 COOK COUNTY
 STRUCTURE NUMBER 016-W807

REVISIONS	
NAME	DATE

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

USER NAME = v1janachone	DESIGNED - JTF	REVISED -
	CHECKED - WJC	REVISED -
PLOT SCALE = NTS	DRAWN - JTF	REVISED -
PLOT DATE = 3/6/2020	CHECKED - WJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS

SHEET NO. AB-105 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	785
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

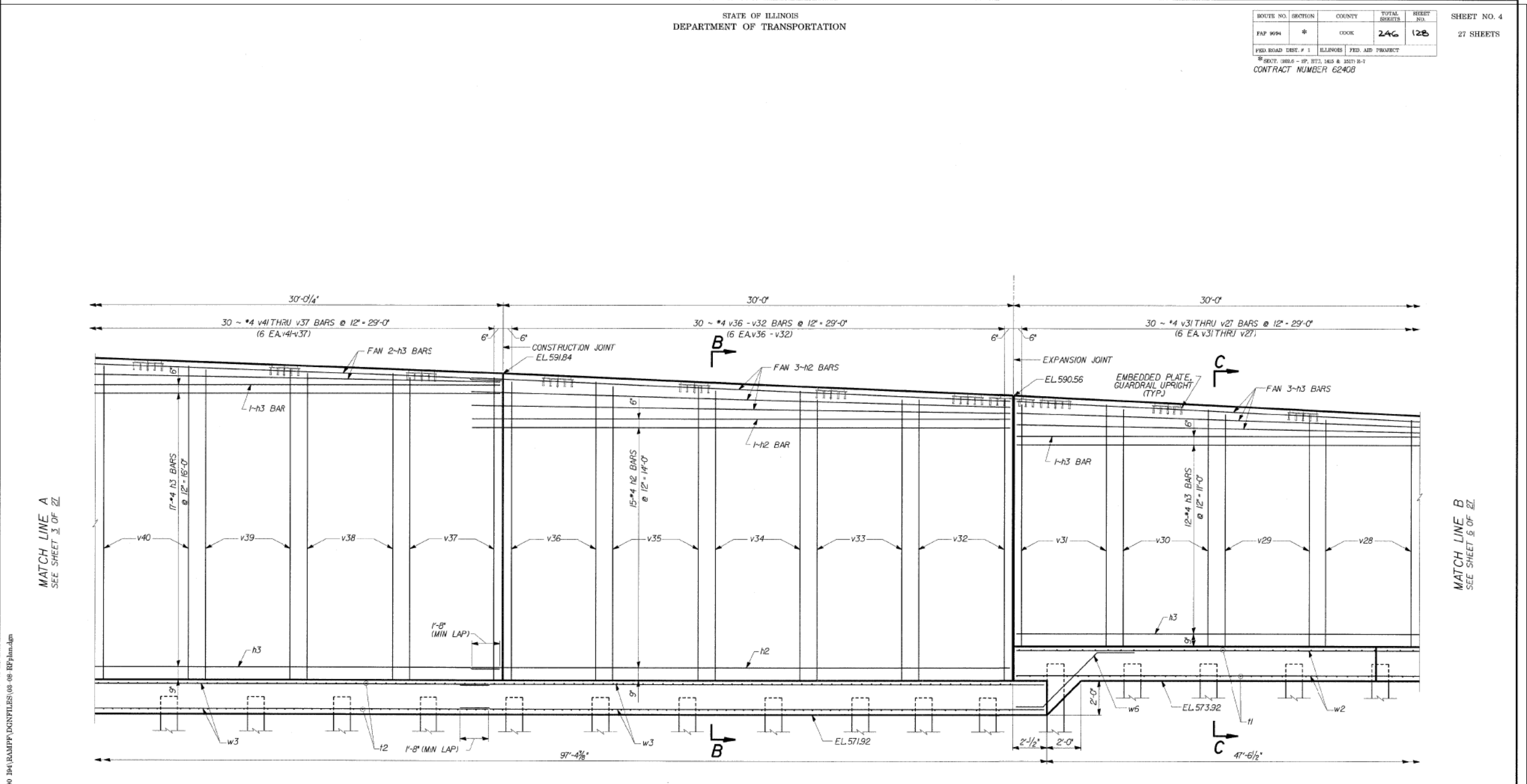
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FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4
FAP 9094	*	COOK	246	128	27 SHEETS
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT		
* SECT. 102.6 - 2P, 1415 & 1517 R-7 CONTRACT NUMBER 62408					



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DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

MINIMUM BAR LAPS
*4 BARS - 1'-0"

DLZ 85 W. ALGONQUIN RD. STE. 220
ARLINGTON HEIGHTS, IL 60005

**RETAINING WALL RAMP F
DETAILS**
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT. 102.6 - 2P, ETC. 1415 & 1517 R-7
STATION 13+45 LT 22' TO 10+59 LT 22'
COOK COUNTY
STRUCTURE NUMBER 016-W807

REVISIONS	
NAME	DATE

11:32:01 AM
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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
	CHECKED - WJC	REVISED -
PLOT SCALE = NTS	DRAWN - JTF	REVISED -
PLOT DATE = 3/6/2020	CHECKED - WJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS

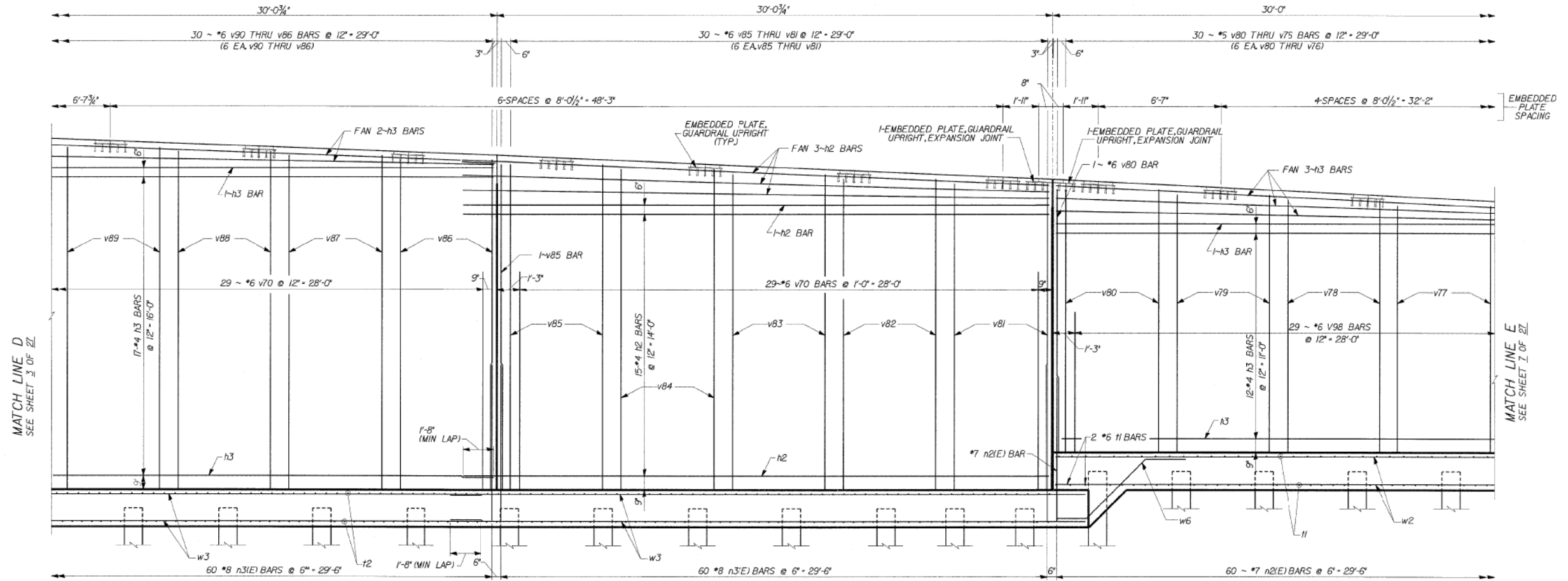
SHEET NO. AB-106 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	786
CONTRACT NO.			825	786
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5 27 SHEETS
FAP 9094	*	COOK	246	129	
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT		
* SECT. (202.6 - 2P, ETC., 1415 & 1517) R-7					
CONTRACT NUMBER 62408					



ELEVATION
(SHOWING BACK FACE REINFORCEMENT)

MINIMUM BAR LAPS
 *4 BARS - 1'-8"
 *7 BARS - 4'-6"
 *8 BARS - 7'-8"

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

**RETAINING WALL RAMP F
DETAILS**
 I-90/94 KENNEDY EXPRESSWAY
 (HUBBARDS CAVE TO I-290)
 SECT. (202.6 - 2P, ETC., 1415 & 1517) R-7
 STATION 13+45 LT 22' TO 10+59 LT 22'
 COOK COUNTY
 STRUCTURE NUMBER 016-W807

REVISIONS	
NAME	DATE

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
	CHECKED - WJC	REVISED -
PLOT SCALE = NTS	DRAWN - JTF	REVISED -
PLOT DATE = 3/6/2020	CHECKED - WJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS

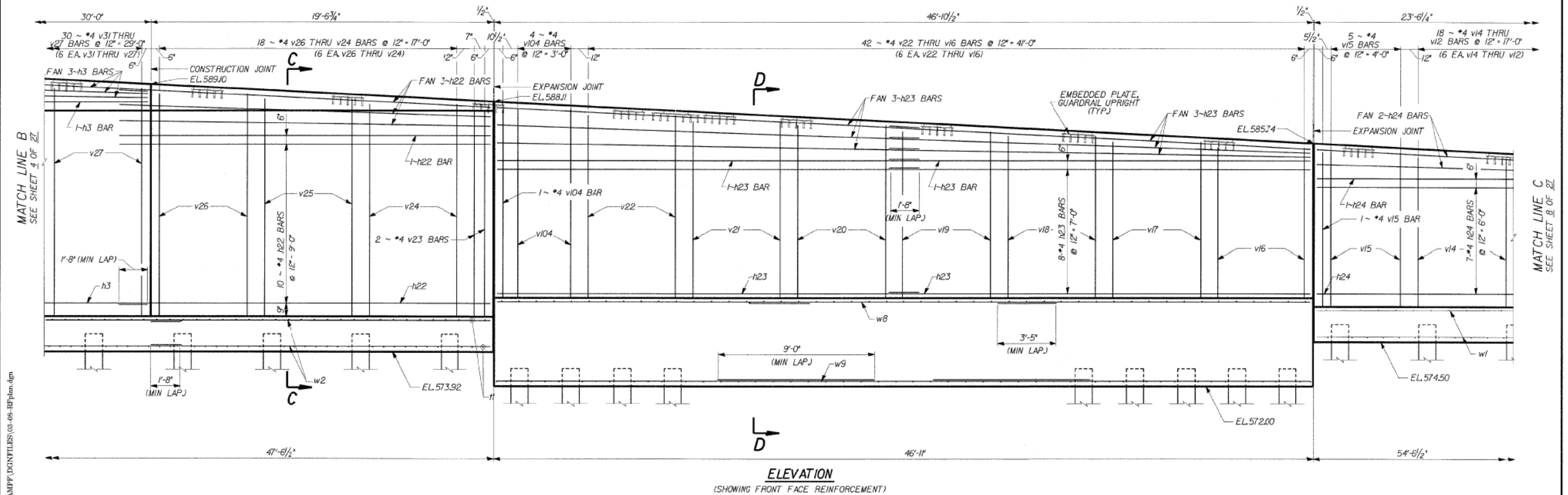
SHEET NO. AB-107 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	787
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6 27 SHEETS
FAP 9094	*	COOK	246	130	
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT		
* SECT. 1202.6 - 2P, ETC., 1415 & 151P R-7					
CONTRACT NUMBER 62408					



ELEVATION
(SHOWING FRONT FACE REINFORCEMENT)

MINIMUM BAR LAPS
 #4 BARS - 1'-0"
 #6 BARS - 4'-0"
 #7 BARS - 4'-6"

04-Feb-2008 09:28 e:\Dept\Structures\301999 100 04 retwall\ILL 100 104\RAMPF\CONTRILBS\05-05-10\plan.dgn

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

REVISIONS	
NAME	DATE

DLZ 85 W. Algonquin Rd, Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

**RETAINING WALL RAMP F
DETAILS**
 I-90/94 KENNEDY EXPRESSWAY
 (HUBBARDS CAVE TO I-290)
 SECT. 1202.6 - 2P, ETC., 1415 & 151P R-7
 STATION 13+45 LT 22' TO 10+59 LT 22'
 COOK COUNTY
 STRUCTURE NUMBER 016-W807

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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS

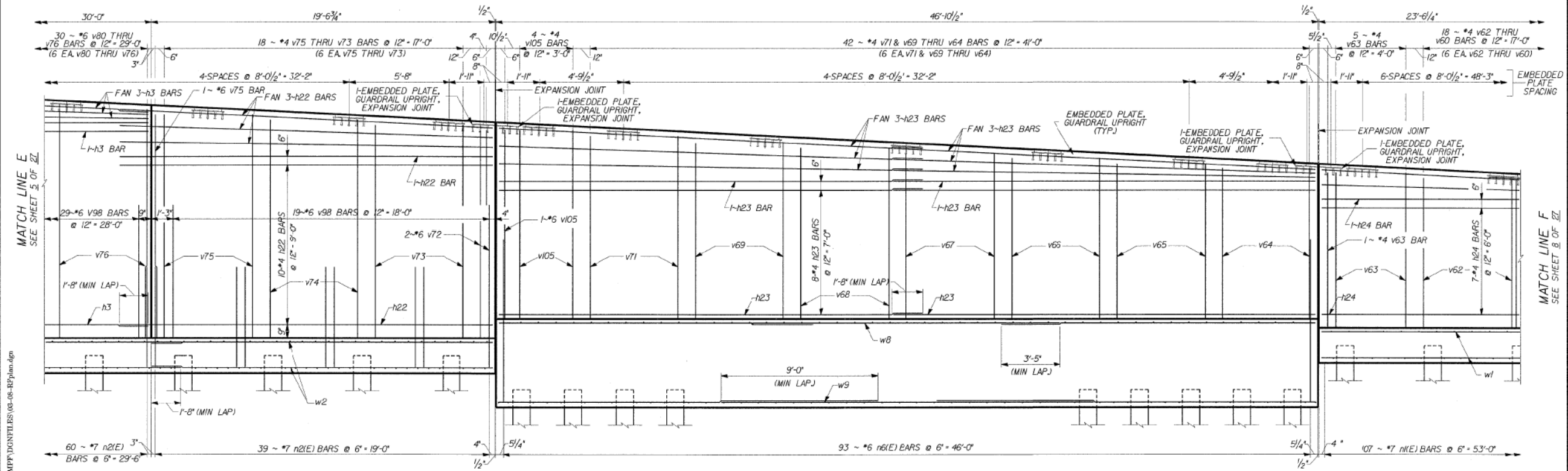
SHEET NO. AB-108 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	788
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7
FAP 904	*	COOK	246	131	27 SHEETS
FED. ROAD DIST. # 1 ILLINOIS FED. AID PROJECT					
* SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7					
CONTRACT NUMBER 62408					



ELEVATION
(SHOWING BACK FACE REINFORCEMENT)

MINIMUM BAR LAPS
 *4 BARS - 1'-0"
 *6 BARS - 4'-0"
 *7 BARS - 4'-6"

04 Feb 2009 09:28 e:\Dept\Structures\201099_100_04-retwall\ILL 100 104\BAMPP\CONFILES\05-08-RP\jam.dgn

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

REVISIONS	
NAME	DATE

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

**RETAINING WALL RAMP F
DETAILS**
 I-90/94 KENNEDY EXPRESSWAY
 (HUBBARDS CAVE TO I-290,
 SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
 STATION 13+45 LT 22' TO 10+59 LT 22'
 COOK COUNTY
 STRUCTURE NUMBER 016-W807

11:32:30 AM
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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

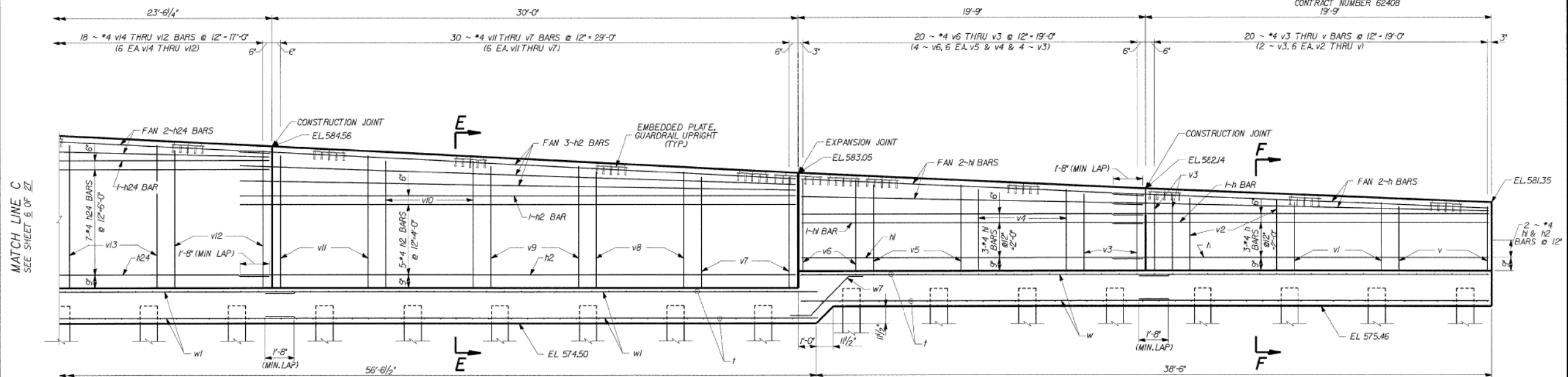
SHEET NO. AB-109 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				60X94
ILLINOIS FED. AID PROJECT				

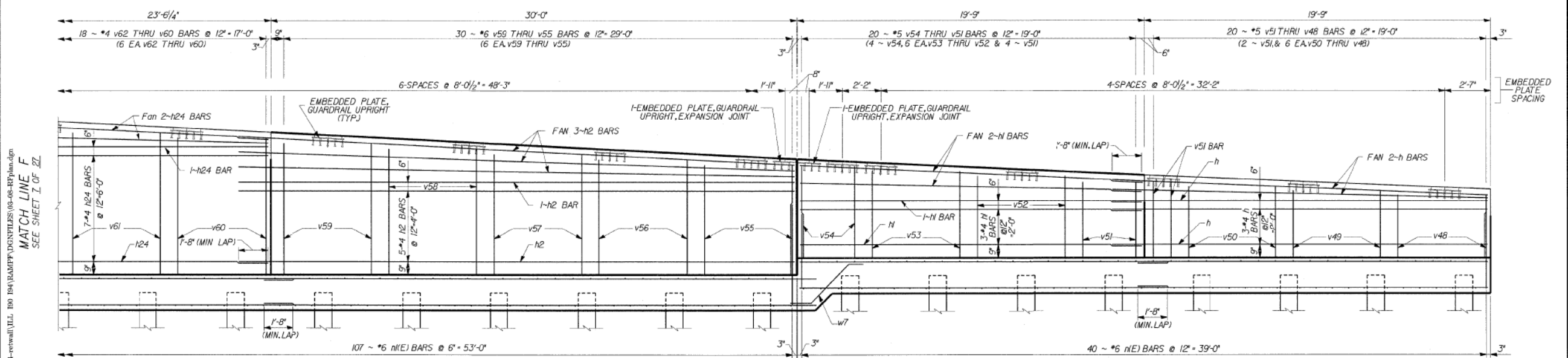
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 8
FAP 904	#	COOK	246	132	27 SHEETS
<small>FED. ROAD DIST. # 1 ILLINOIS FED. AID PROJECT</small> <small>* SECT. 1202.6 - 2P, ETC, 1415 & 1517 R-7</small> <small>CONTRACT NUMBER 62408</small>					



ELEVATION
(SHOWING FRONT FACE REINFORCEMENT)



ELEVATION
(SHOWING BACK FACE REINFORCEMENT)

MINIMUM BAR LAPS
 *4 BARS - 1'-8"
 *6 BARS - 4'-0", SECTION E-E
 *6 BARS - 2'-6", SECTION F-F

DLZ 85 W. Algonquin Rd, Ste. 220
Arlington Heights IL 60005

RETAINING WALL RAMP F
 X
 I-90/94 KENNEDY EXPRESSWAY
 (HUBBARDS CAVE TO I-290,
 SECT. 1202.6 - 2P, ETC, 1415 & 1517) R-7
 STATION 13+45 LT 22' TO 10+59 LT 22'
 COOK COUNTY
 STRUCTURE NUMBER 016-W807

REVISIONS	
NAME	DATE

DESIGNED	ECP
CHECKED	JMM
DRAWN	X
CHECKED	JMM

USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-110 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	790
CONTRACT NO.			60X94	

ILLINOIS FED. AID PROJECT

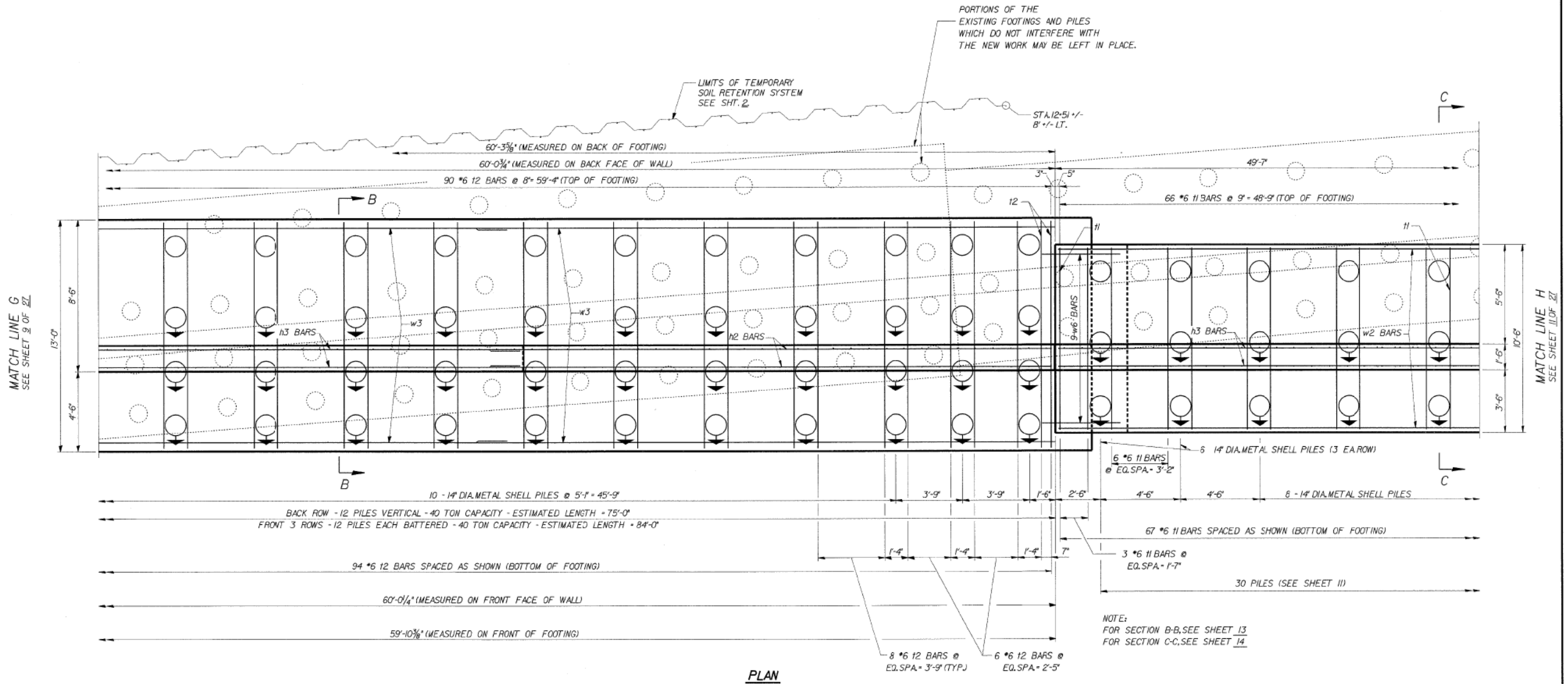
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FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 10
FAP 994	*	COOK	246	134	27 SHEETS
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT		
SECT. 1202.6 - 2P, ETC. 1415 & 1517 R-7					
CONTRACT NUMBER 62408					



PLAN

MINIMUM BAR LAPS
*4 BARS - 1'-8"

NOTE:
FOR SECTION B-B, SEE SHEET 13
FOR SECTION C-C, SEE SHEET 14

04-Feb-2009 08:29 s:\Dept\Structures\301089 150 94-retwall\ILL 150 154\RAMPPY\DWG\FILES\09-12-REFOUND.dwg

DESIGNED	CMP
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005

**RETAINING WALL RAMP F
DETAILS**
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT. 1202.6 - 2P, ETC. 1415 & 1517 R-7
STATION 13+45 LT 22' TO 10+59 LT 22'
COOK COUNTY
STRUCTURE NUMBER 016-W807

REVISIONS	
NAME	DATE

T.F. - TOP OF FOOTING
B.F. - BOTTOM OF FOOTING

11:32:56 AM
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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS

SHEET NO. AB-112 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	792
ILLINOIS FED. AID PROJECT			CONTRACT NO.	60X94

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

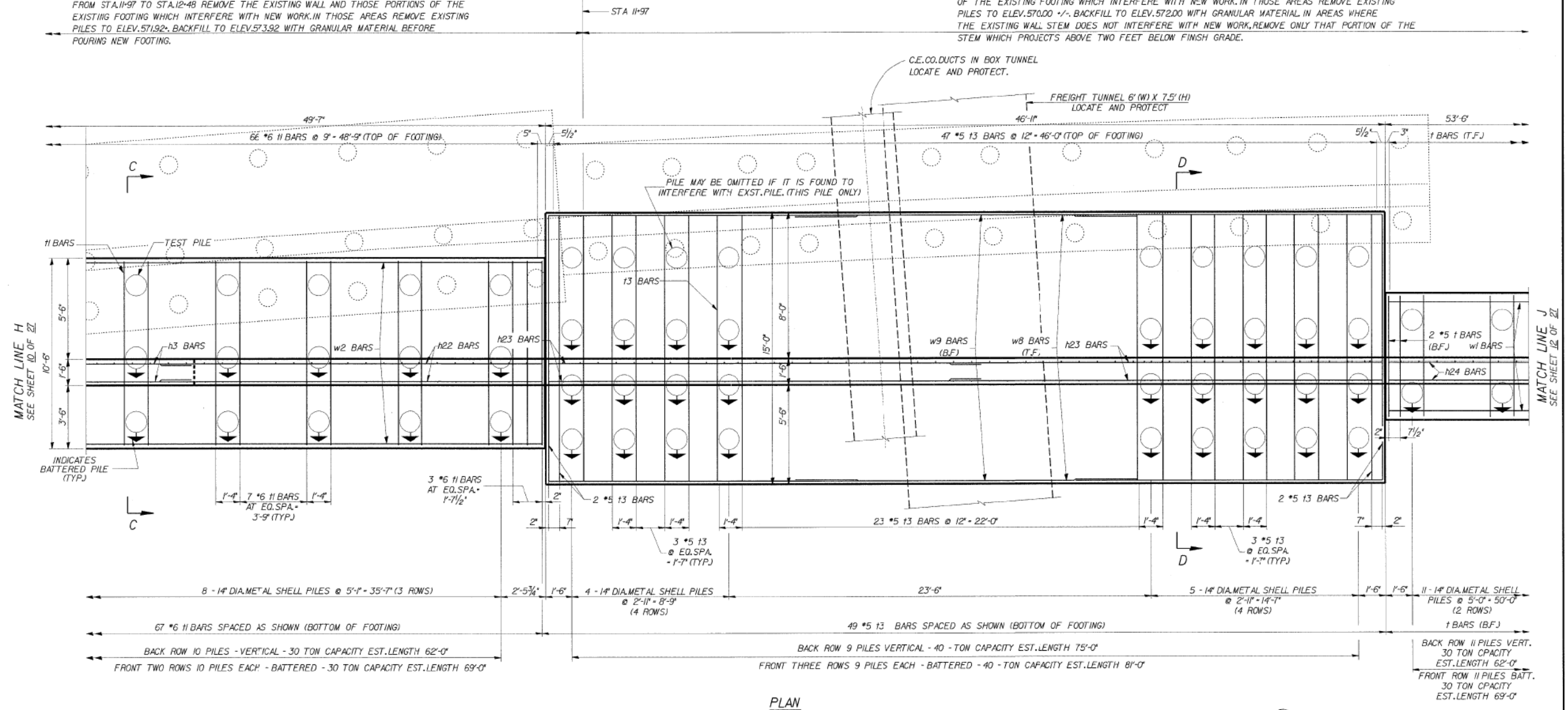
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 11
FAP 9094	*	COOK	246	135	27 SHEETS
FED. ROAD DIST. # 1 ILLINOIS FED. AID PROJECT					
* SHEET (202.6 - 2P, ETC.) 1415 & 1517 R-7					
CONTRACT NUMBER 62408					

CONCRETE REMOVAL NOTE: ②

FROM STA. 11+97 TO STA. 12+48 REMOVE THE EXISTING WALL AND THOSE PORTIONS OF THE EXISTING FOOTING WHICH INTERFERE WITH NEW WORK. IN THOSE AREAS REMOVE EXISTING PILES TO ELEV. 571.92. BACKFILL TO ELEV. 573.92 WITH GRANULAR MATERIAL BEFORE POURING NEW FOOTING.

CONCRETE REMOVAL NOTE: ③

FROM STA. 11+97 TO THE END OF THE EXISTING WALL REMOVE THE EXISTING WALL AND THOSE PORTIONS OF THE EXISTING FOOTING WHICH INTERFERE WITH NEW WORK. IN THOSE AREAS REMOVE EXISTING PILES TO ELEV. 570.00 +/- . BACKFILL TO ELEV. 572.00 WITH GRANULAR MATERIAL. IN AREAS WHERE THE EXISTING WALL STEM DOES NOT INTERFERE WITH NEW WORK, REMOVE ONLY THAT PORTION OF THE STEM WHICH PROJECTS ABOVE TWO FEET BELOW FINISH GRADE.



PLAN

MINIMUM BAR LAPS

- *4 BARS - 1'-8"
- *7 BARS - 3'-5"
- *11 BARS - 9'-0"

NOTE:
FOR SECTIONS C-C AND D-D,
SEE SHEET 14

T.F. - TOP OF FOOTING
B.F. - BOTTOM OF FOOTING

REVISIONS	
NAME	DATE



85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005

**RETAINING WALL RAMP F
DETAILS**

I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT. (202.6 - 2P, ETC., 1415 & 1517) R-7
STATION 13+45 LT 22' TO 10+59 LT 22'
COOK COUNTY
STRUCTURE NUMBER 016-W807

25-Feb-2009 11:11 e:\Dept\Structures\30099 100 94-retwall\ILL 100 104\BAMP7.DGN\FILES\09-12-REFOUND.dgn

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

11:33:05 AM
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USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS

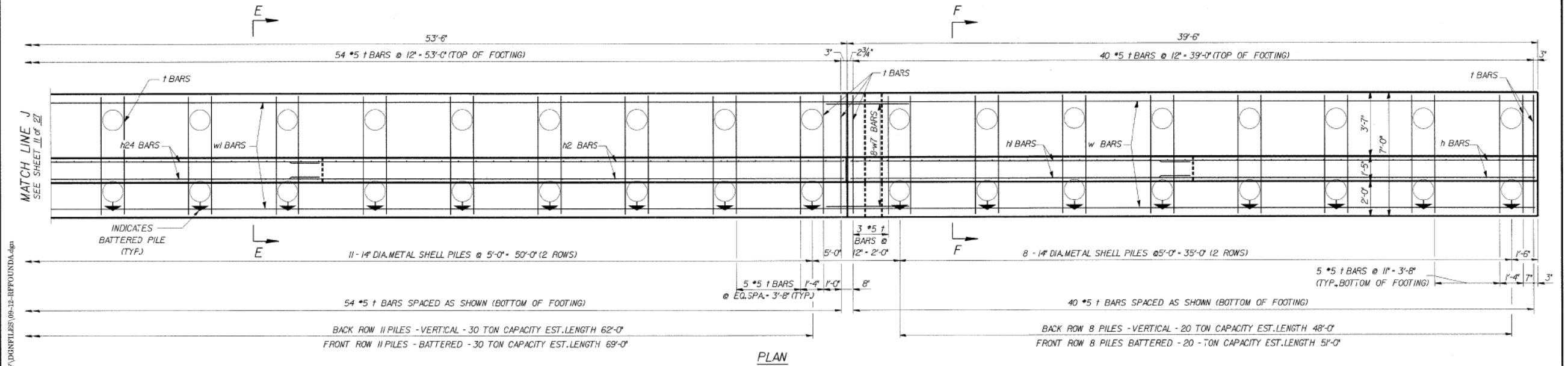
SHEET NO. AB-113 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	793
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 12
FAP 9094	*	COOK	246	136	27 SHEETS
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT		
* SECT. 202.6 - 2P, ETC, 1415 & 1517 R-7					
CONTRACT NUMBER 62408					



MATCH LINE J
SEE SHEET 11 OF 27

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04-Feb-2020 09:29

DESIGNED	BCF
CHECKED	JMM
DRAWN	X
CHECKED	JMM

MINIMUM BAR LAPS
*4 BARS - 1'-8"

NOTE:
FOR SECTIONS E-E AND
F-F, SEE SHEET 14

REVISIONS	
NAME	DATE

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

**RETAINING WALL RAMP F
DETAILS**

I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
STATION 13+45 LT 22' TO 10+59 LT 22'
COOK COUNTY
STRUCTURE NUMBER 016-W807

11:33:25 AM
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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS

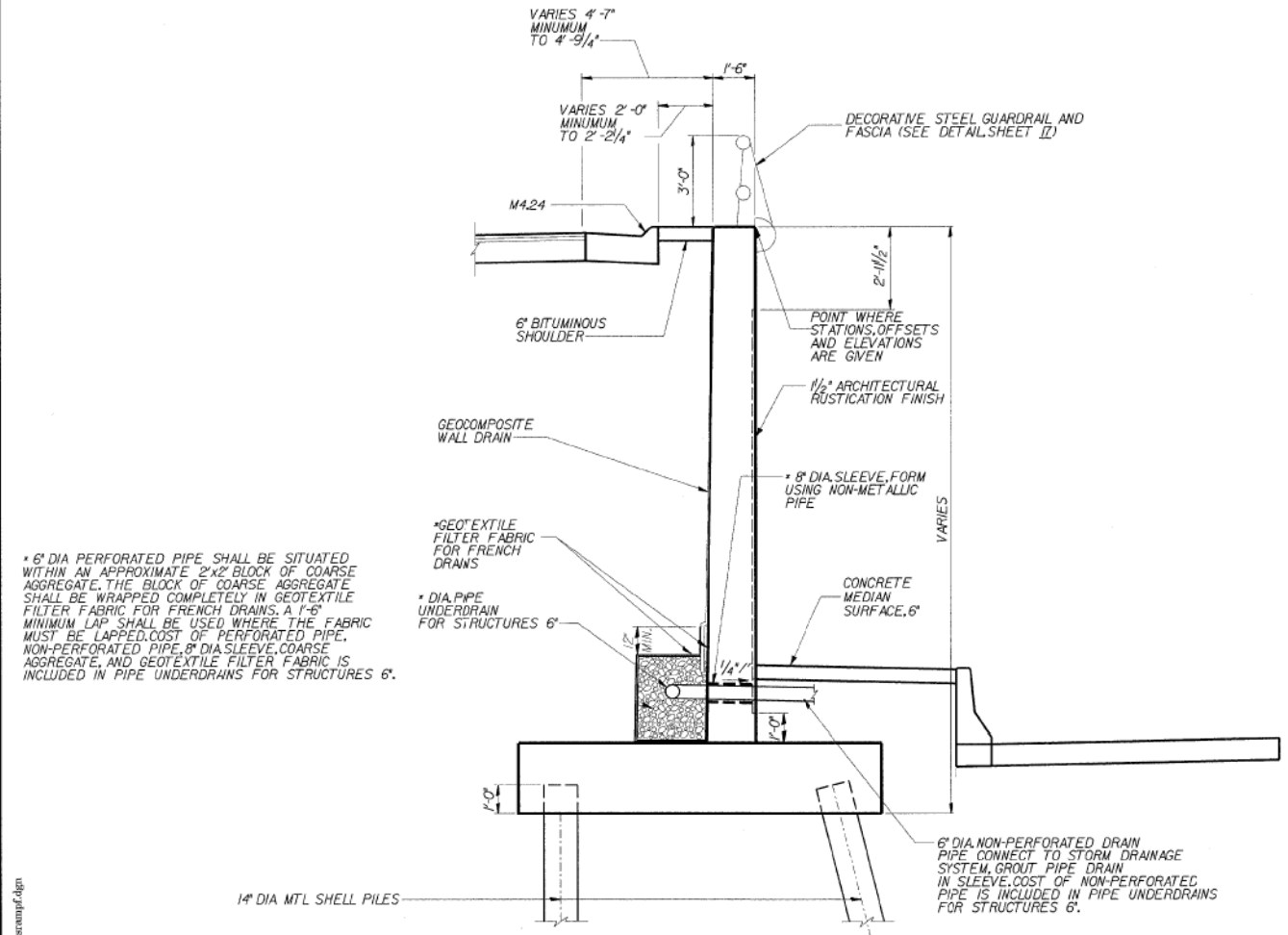
SHEET NO. AB-114 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	794
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

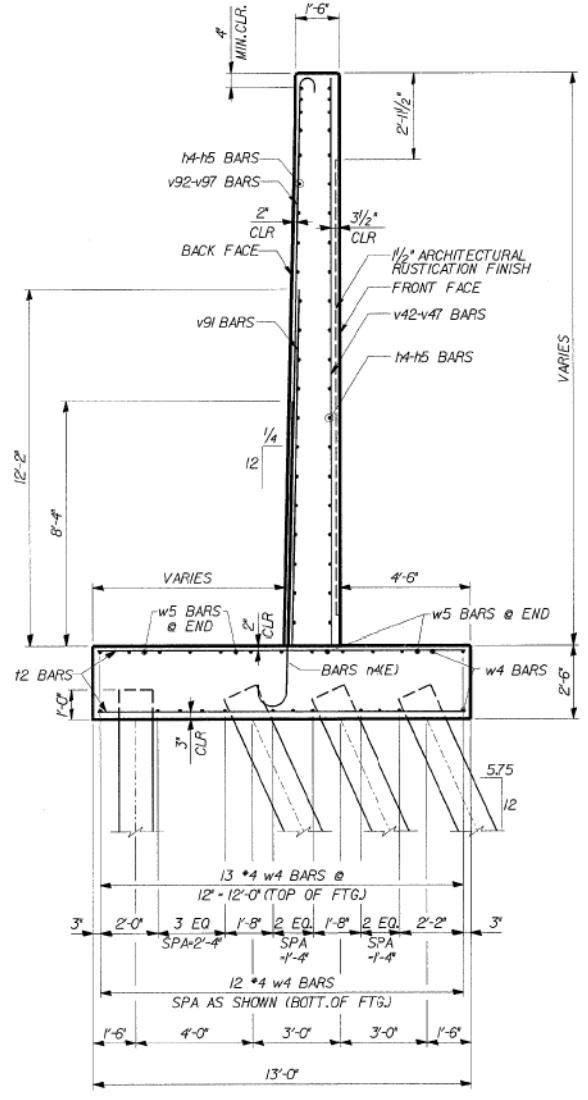
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

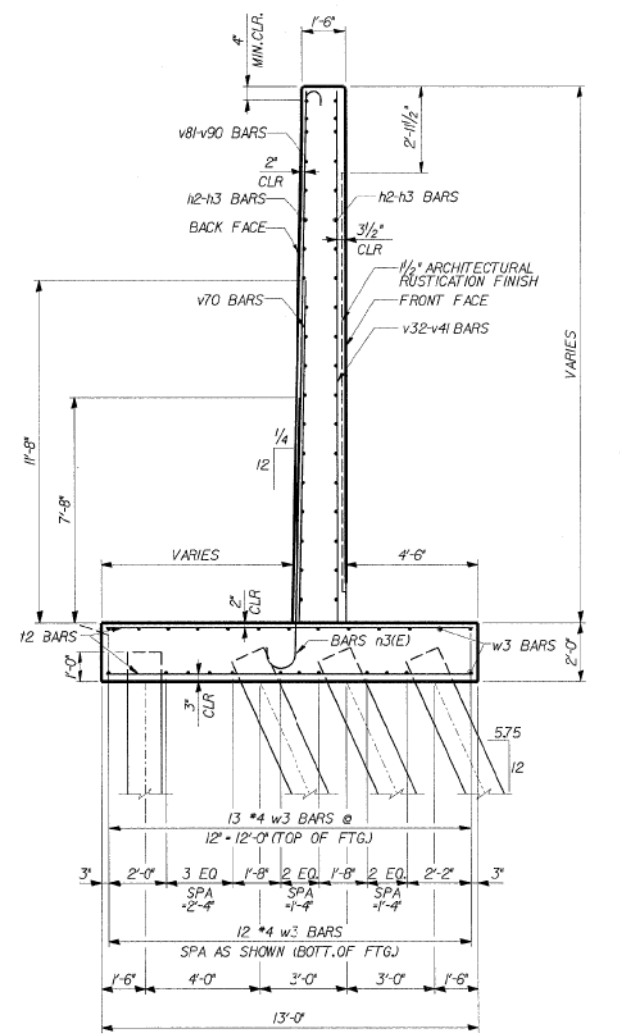
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 13
FAP 9094	*	COOK	246	137	27 SHEETS
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT		
* SECT. 202.6 - 2P, ETC, 1415 & 1517 R-7 CONTRACT NUMBER 62408					



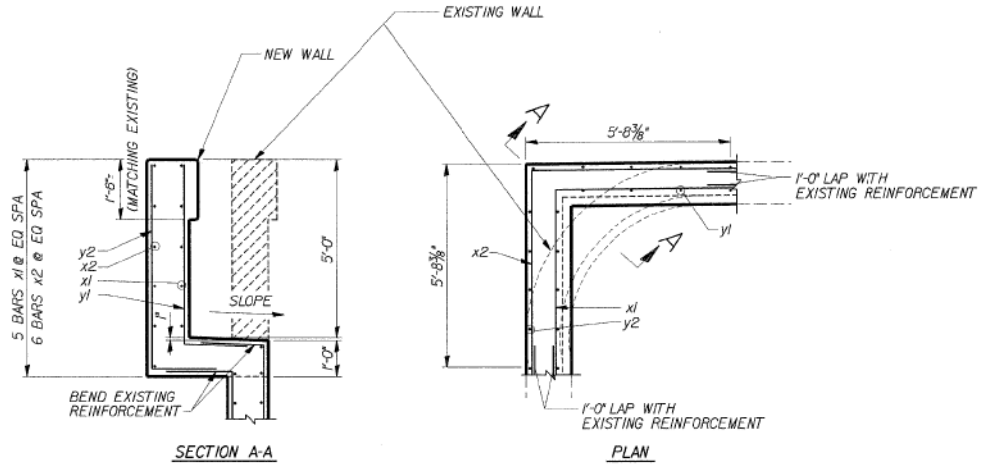
* 6" DIA PERFORATED PIPE SHALL BE SITUATED WITHIN AN APPROXIMATE 2"x2" BLOCK OF COARSE AGGREGATE. THE BLOCK OF COARSE AGGREGATE SHALL BE WRAPPED COMPLETELY IN GEOTEXTILE FILTER FABRIC FOR FRENCH DRAINS. A 1'-6" MINIMUM LAP SHALL BE USED WHERE THE FABRIC MUST BE LAPPED. COST OF PERFORATED PIPE, NON-PERFORATED PIPE, 8" DIA SLEEVE, COARSE AGGREGATE, AND GEOTEXTILE FILTER FABRIC IS INCLUDED IN PIPE UNDERDRAINS FOR STRUCTURES 6'.



SECTION A-A
STA. 13+09.42 THRU STA. 13+45.50
(FOR DETAILS NOT SHOWN SEE TYPICAL SECTION)



SECTION B-B
STA. 12+48.60 THRU STA. 13+09.42
(FOR DETAILS NOT SHOWN SEE TYPICAL SECTION)



EXISTING RETAINING WALL
SCALE: NOT TO SCALE AT RAMP F AND JACKSON BLVD.

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

REVISIONS	
NAME	DATE

RETAINING WALL RAMP F DETAILS
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
STATION 13+45 LT 22' TO 10+59 LT 22'
COOK COUNTY
STRUCTURE NUMBER 016-W807

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

11:33:35 AM
D:\60X94-SHT-AS-BUILT-115.dgn



USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

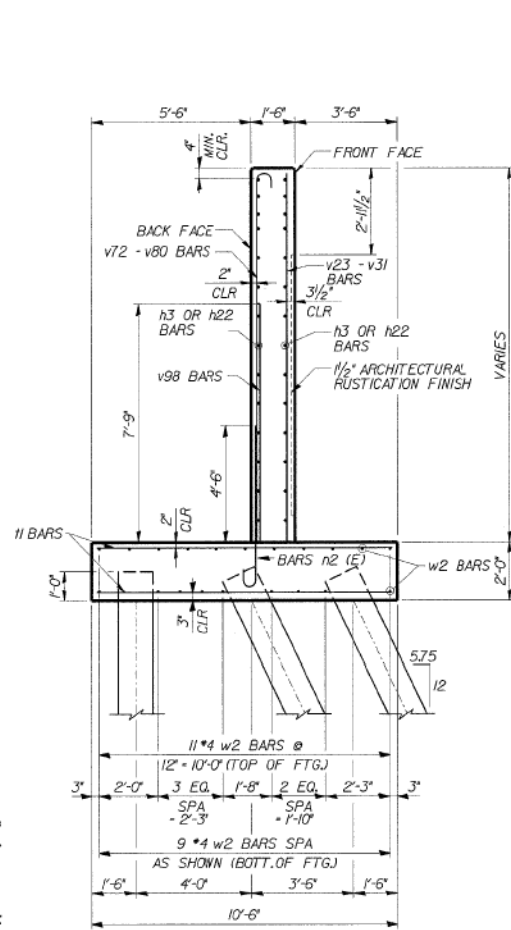
SHEET NO. AB-115 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	795
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

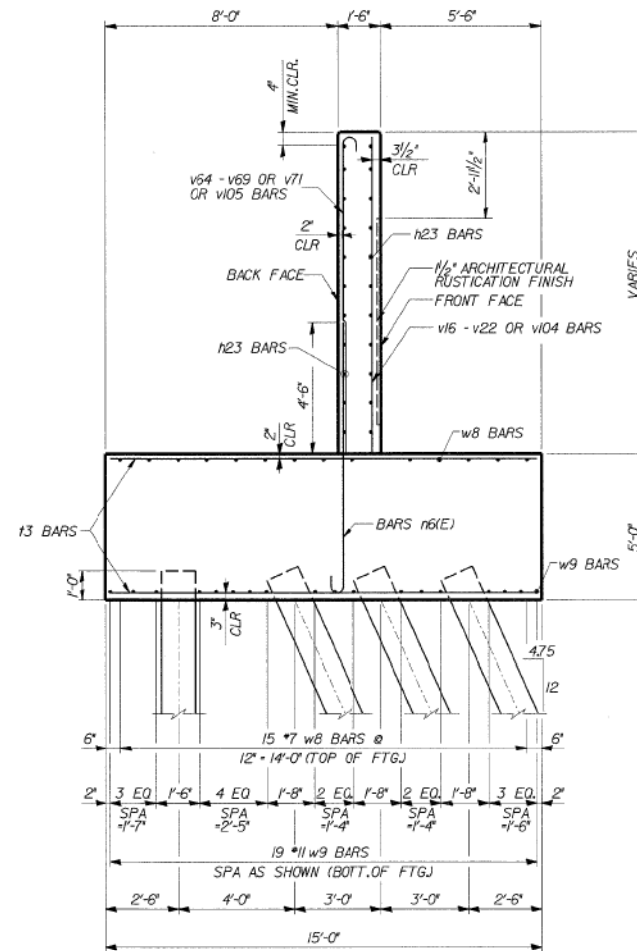
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

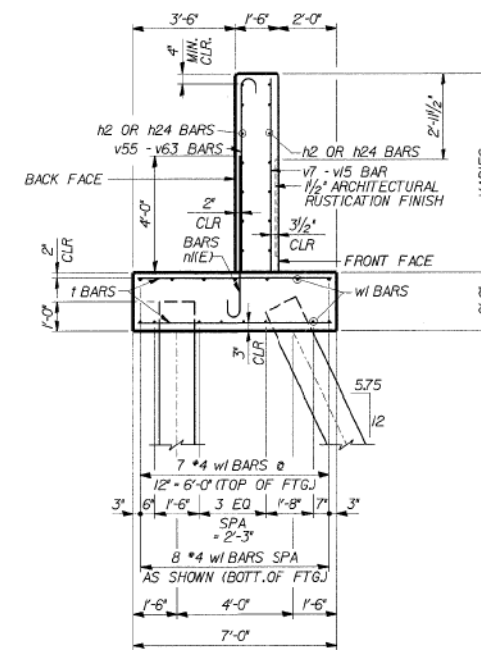
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 14
FAP 9094	*	COOK	246	138	27 SHEETS
FED. ROAD DIST. # 1	ILLINOIS	FED. AID PROJECT			
* SECT. 202.6 - 2P, ETC, 1415 & 1517 R-7 CONTRACT NUMBER 62408					



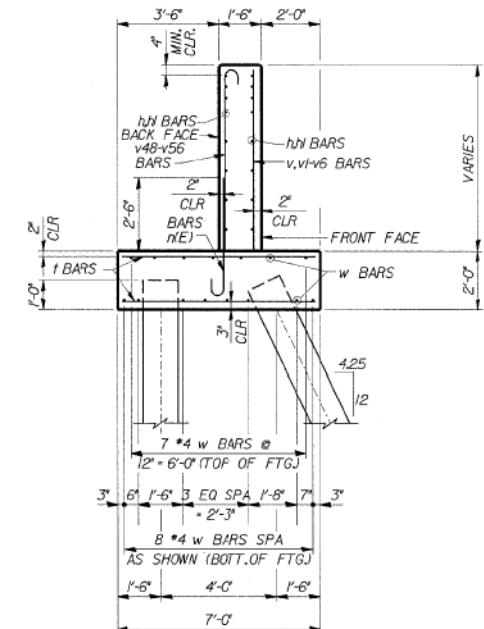
SECTION C-C
STA. 11-98.02 THRU STA. 12-48.60
(FOR DETAILS NOT SHOWN SEE TYPICAL SECTION)



SECTION D-D
STA. 11-52.09 THRU STA. 11-99.02
(FOR DETAILS NOT SHOWN SEE TYPICAL SECTION)



SECTION E-E
STA. 10-98.60 THRU 11-52.09
(FOR DETAILS NOT SHOWN SEE TYPICAL SECTION)



SECTION F-F
STA. 10-59.40 THRU 10-98.60
(FOR DETAILS NOT SHOWN SEE TYPICAL SECTION)

s:\Dept\Structures\301999 199 94-retwall\ILL 180 194\RAMPS\CONFILES\13-14-dymcncsamps.dgn

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

REVISIONS	
NAME	DATE

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

**RETAINING WALL RAMP F
DETAILS**
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290,
SECT. 202.6 - 2P, ETC, 1415 & 1517) R-7
STATION 13+45 LT 22' TO 10+59 LT 22'
COOK COUNTY
STRUCTURE NUMBER 016-W807

11:33:45 AM
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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

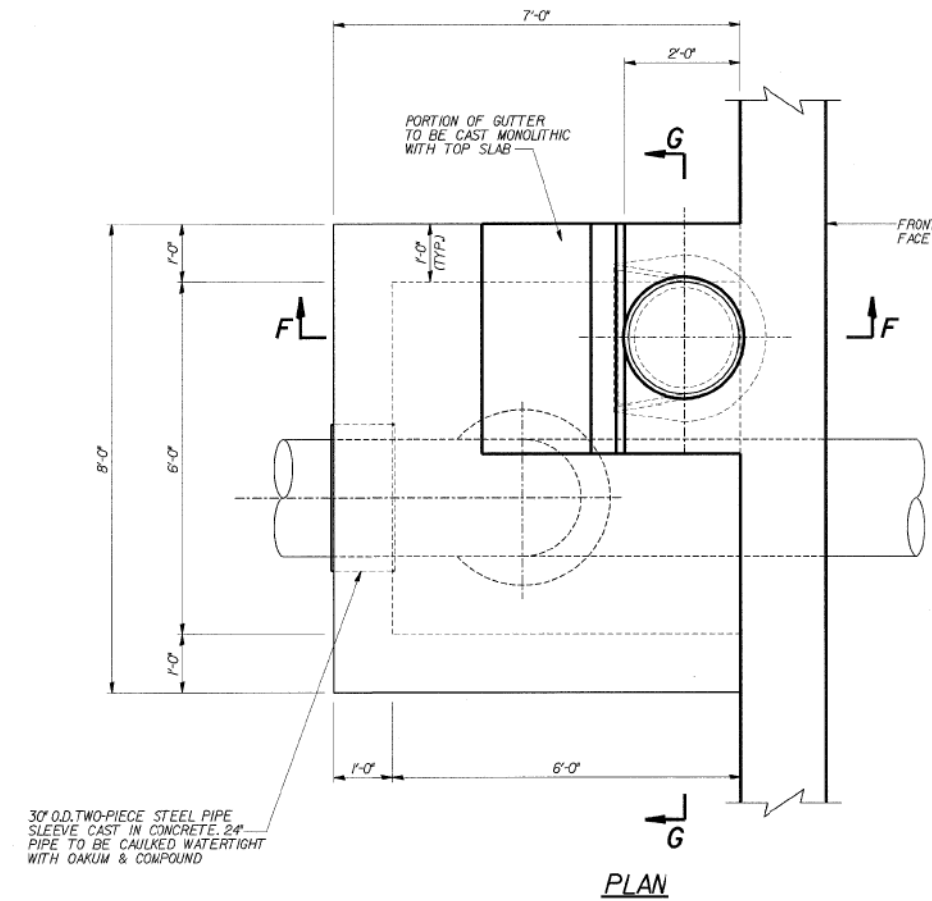
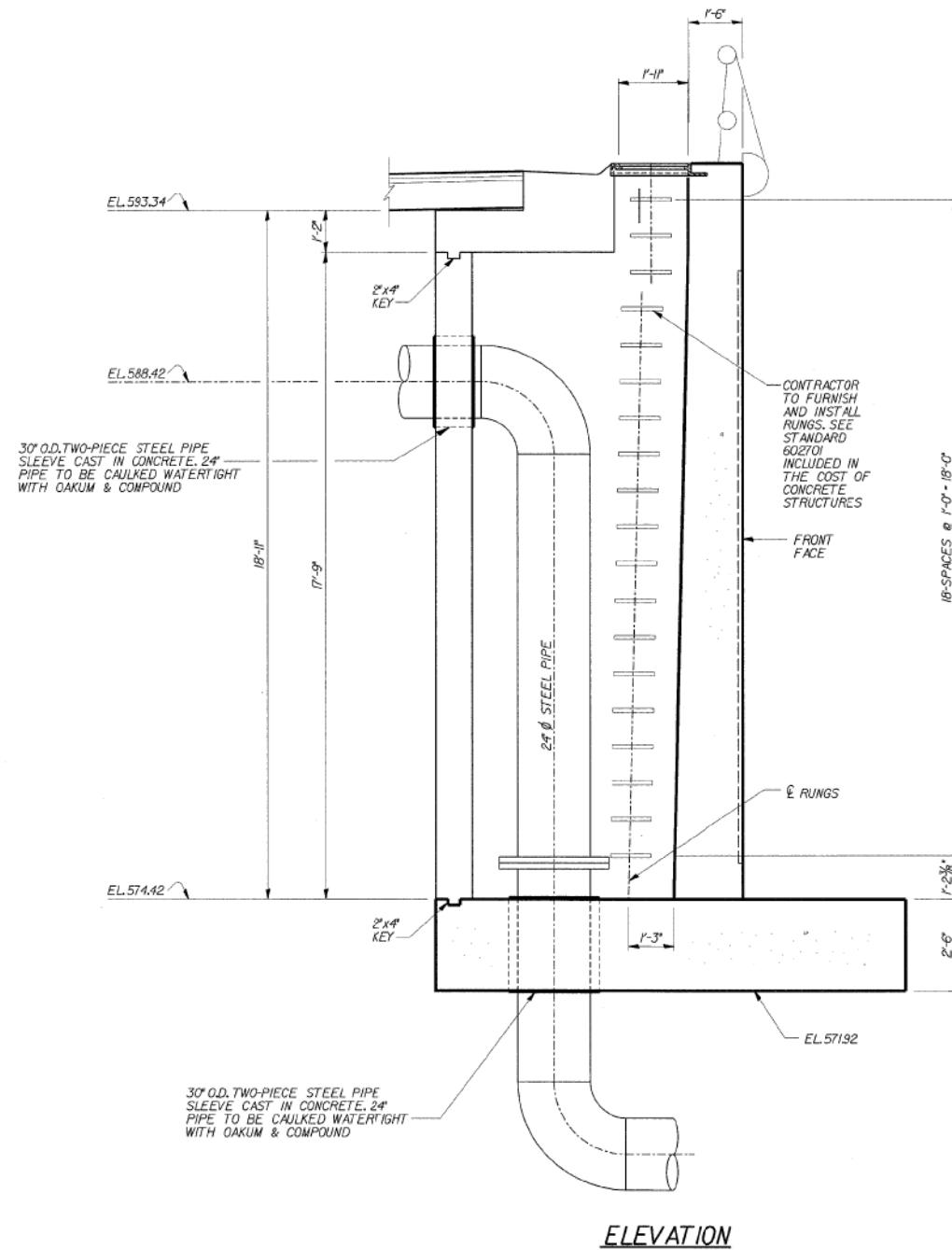
SHEET NO. AB-116 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	796
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 15
FAP 9994	*	COOK	246	139	27 SHEETS
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT		
* SECT. 0202.6 - 2P, ETC, 1415 & 1517 R-7					
CONTRACT NUMBER 62408					



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 04-15-2020 09:30

DESIGNED	DPW
CHECKED	ASP
DRAWN	EvH
CHECKED	DPW

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

**RETAINING WALL RAMP F
GAS LINE VAULT**
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290,
SECT. 1202.6 - 2P, ETC, 1415 & 1517) R-7
STATION 13+75 LT 22' TO 10+59 LT 22'
COOK COUNTY
STRUCTURE NUMBER 016-W807

REVISIONS	
NAME	DATE

11:33:54 AM D:\60X94-SHT-AS-BUILT-117.dgn



USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

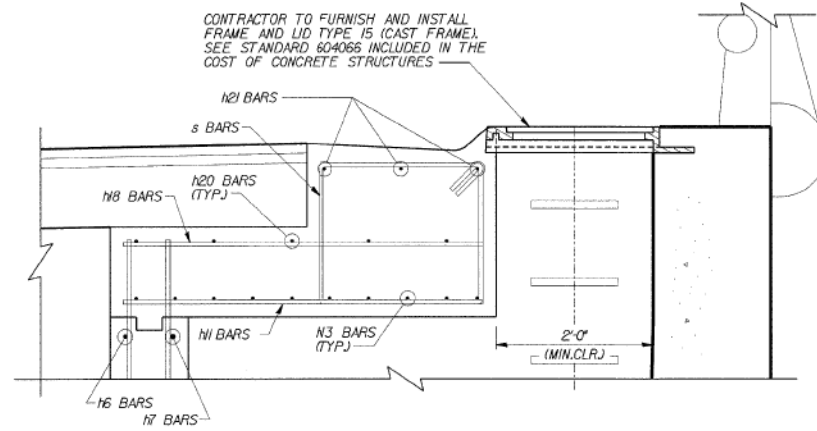
SHEET NO. AB-117 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	797
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

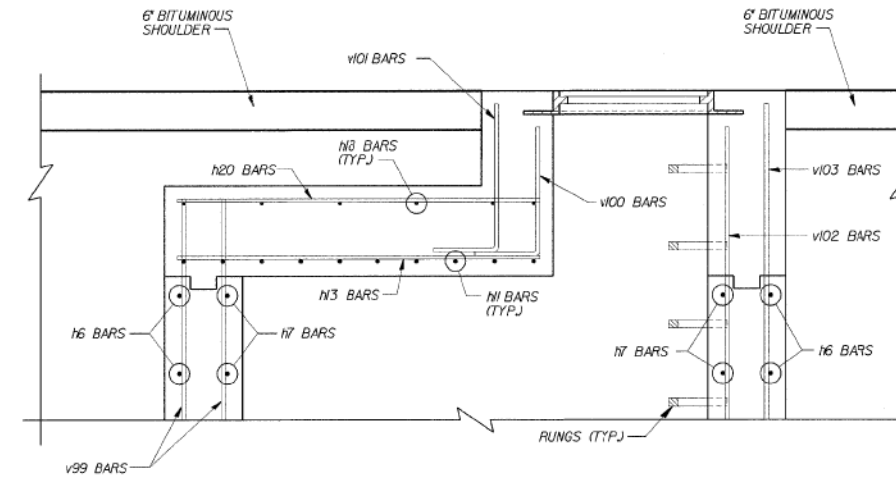
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

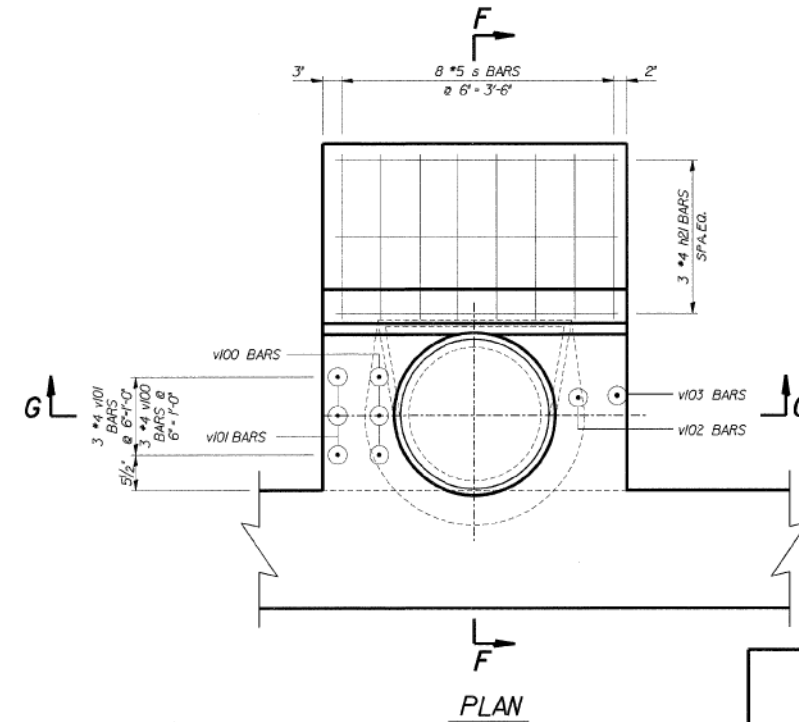
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 16
FAP 9094	4	COOK	246	140	27 SHEETS
FED. ROAD DIST. # 1 ILLINOIS FED. AID PROJECT					
* SECT. 1202.6 - 2P, ETC, 1415 & 1517 R-7					
CONTRACT NUMBER 62408					



SECTION F-F



SECTION G-G



PLAN

DLZ 85 W. Algonquin Rd, Ste. 220
Arlington Heights IL 60005
DLZ Illinois, Inc.

**RETAINING WALL RAMP F
GAS LINE VAULT**
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290,
SECT. 1202.6 - 2P, ETC, 1415 & 1517) R-7
STATION 13+45 LT 22' TO 10+59 LT 22'
COOK COUNTY
STRUCTURE NUMBER 016-W807

REVISIONS	
NAME	DATE

s:\Dept\Structures\301099 100 94-retwall\ILL 100 104\RAMPF\CONFILES\06-Vault.dgn

DESIGNED	DPW
CHECKED	ASP
DRAWN	EvH
CHECKED	DPW

USER NAME = vjjanachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

SHEET NO. AB-118 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	798
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

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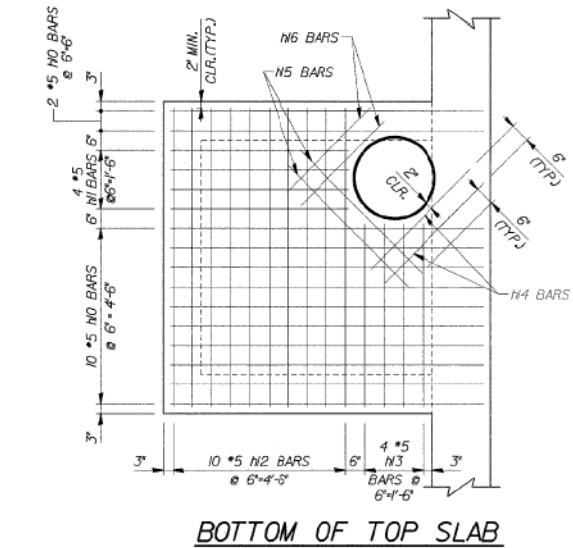
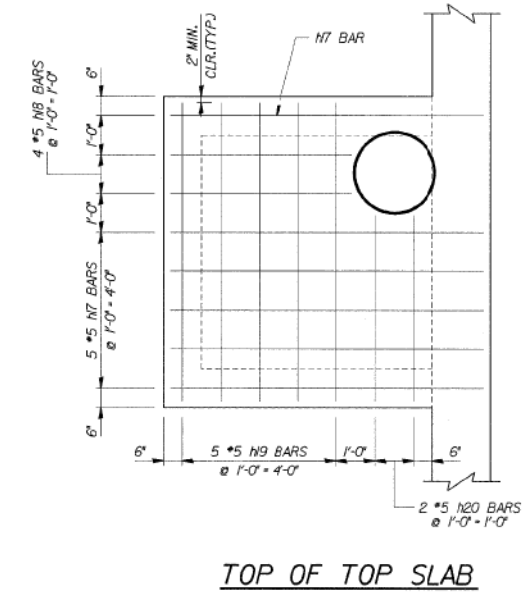
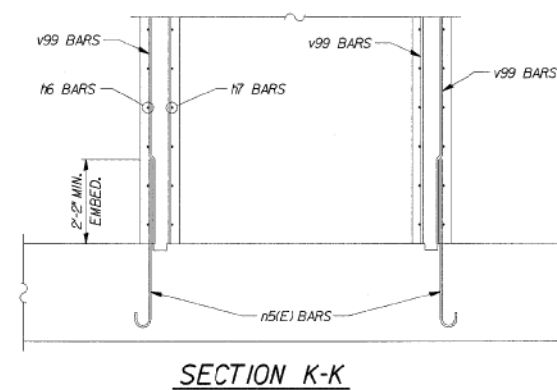
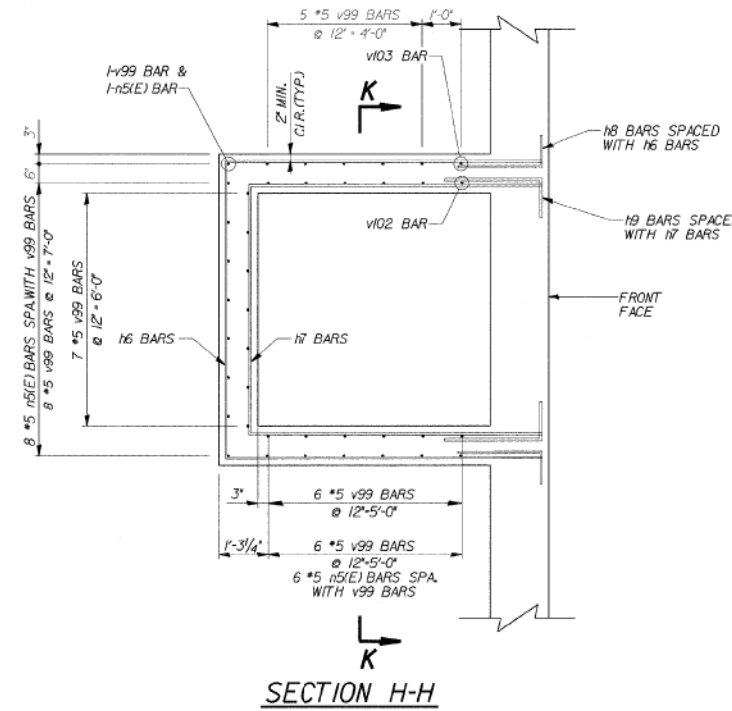
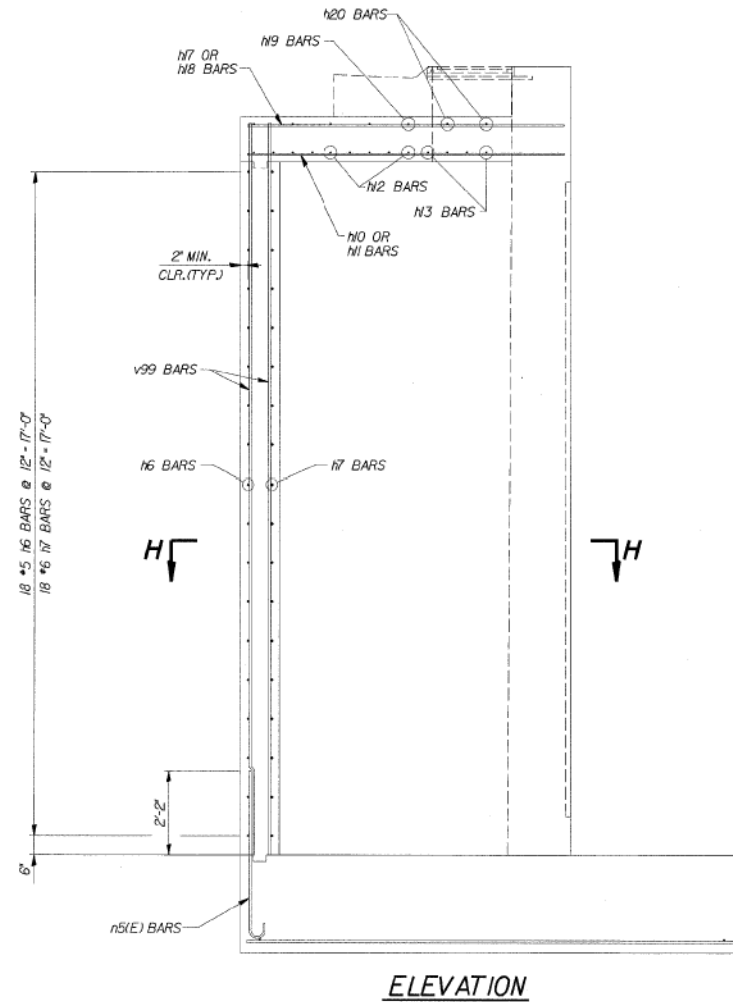


FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 904	*	COOK	246	141
FED. ROAD DIST. # 1 ILLINOIS FED. AID PROJECT				
*SECT. 202.6 - 2P, ETC. 1415 & 1517 R-1				
CONTRACT NUMBER 62408				

SHEET NO. 17
27 SHEETS



04-Feb-2009 13:33 s:\Dppl\Structure\301089 180 84-revwall\ILL 180 180\RAMPP\DWGFILES\17-Vault Details.dgn

DESIGNED	DPW
CHECKED	ASP
DRAWN	EvH
CHECKED	ASP

REVISIONS	
NAME	DATE

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005

**RETAINING WALL RAMP F
GAS LINE VALT**
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
STATION 13+75 LT 22' TO 10+59 LT 22'
COOK COUNTY
STRUCTURE NUMBER 016-W807

11:34:12 AM
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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

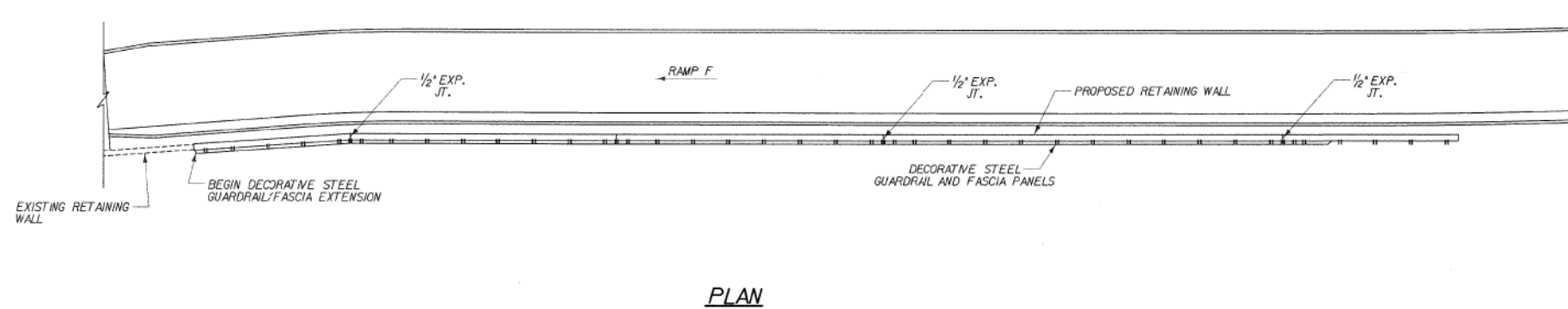
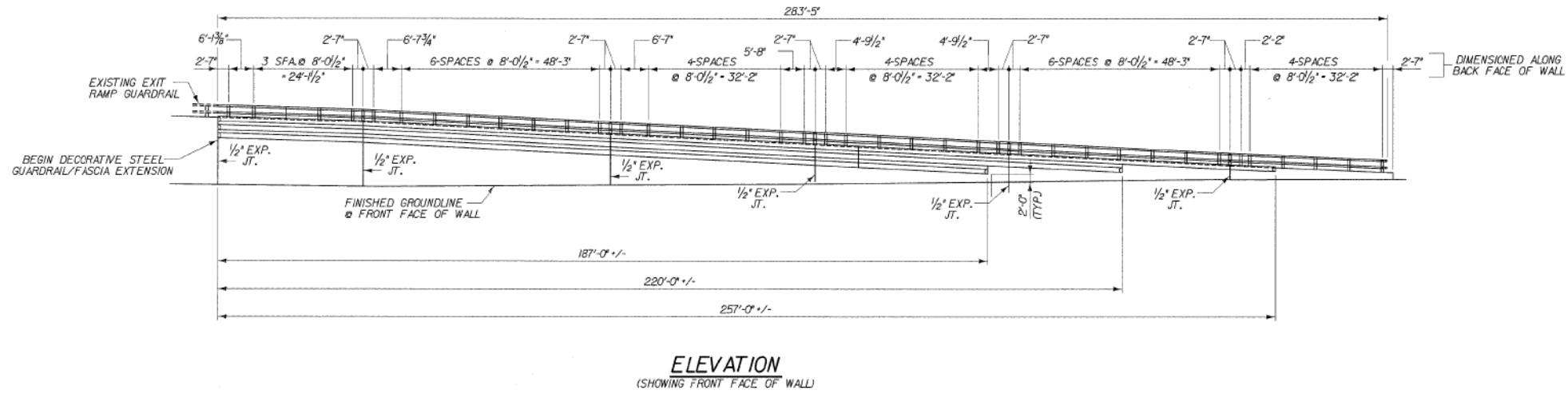
SHEET NO. AB-119 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	799
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 18 27 SHEETS
FAP 9094	*	COOK	246	142	
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT		
SEC. (202.6 - 2P, ETC., 1415 & 1517) R-7 CONTRACT NUMBER 62408					



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 04-Feb-2020 09:30

DESIGNED	DPW
CHECKED	ASP
DRAWN	BEM
CHECKED	ASP

REVISIONS	
NAME	DATE

DLZ 85 W. Algonquin Rd, Ste. 220
 Arlington Heights IL 60005
DLZ Illinois, Inc.

RETAINING WALL RAMP F
RAILING PLAN AND ELEVATION
 I-90/94 KENNEDY EXPRESSWAY
 (HUBBARDS CAVE TO I-290)
 SECT. (202.6 - 2P, ETC., 1415 & 1517) R-7
 STATION 13+45 LT 22' TO 10+59 LT 22'
 COOK COUNTY
 STRUCTURE NUMBER 016-W807

11:34:21 AM
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USER NAME = v1janachone	DESIGNED - JTF	REVISED -
PLOT SCALE = NTS	CHECKED - WJC	REVISED -
PLOT DATE = 3/6/2020	DRAWN - JTF	REVISED -
	CHECKED - WJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RECORD DRAWINGS

SHEET NO. AB-120 OF AB-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2014-015R&B-R	COOK	825	800
CONTRACT NO.			60X94	
ILLINOIS FED. AID PROJECT				