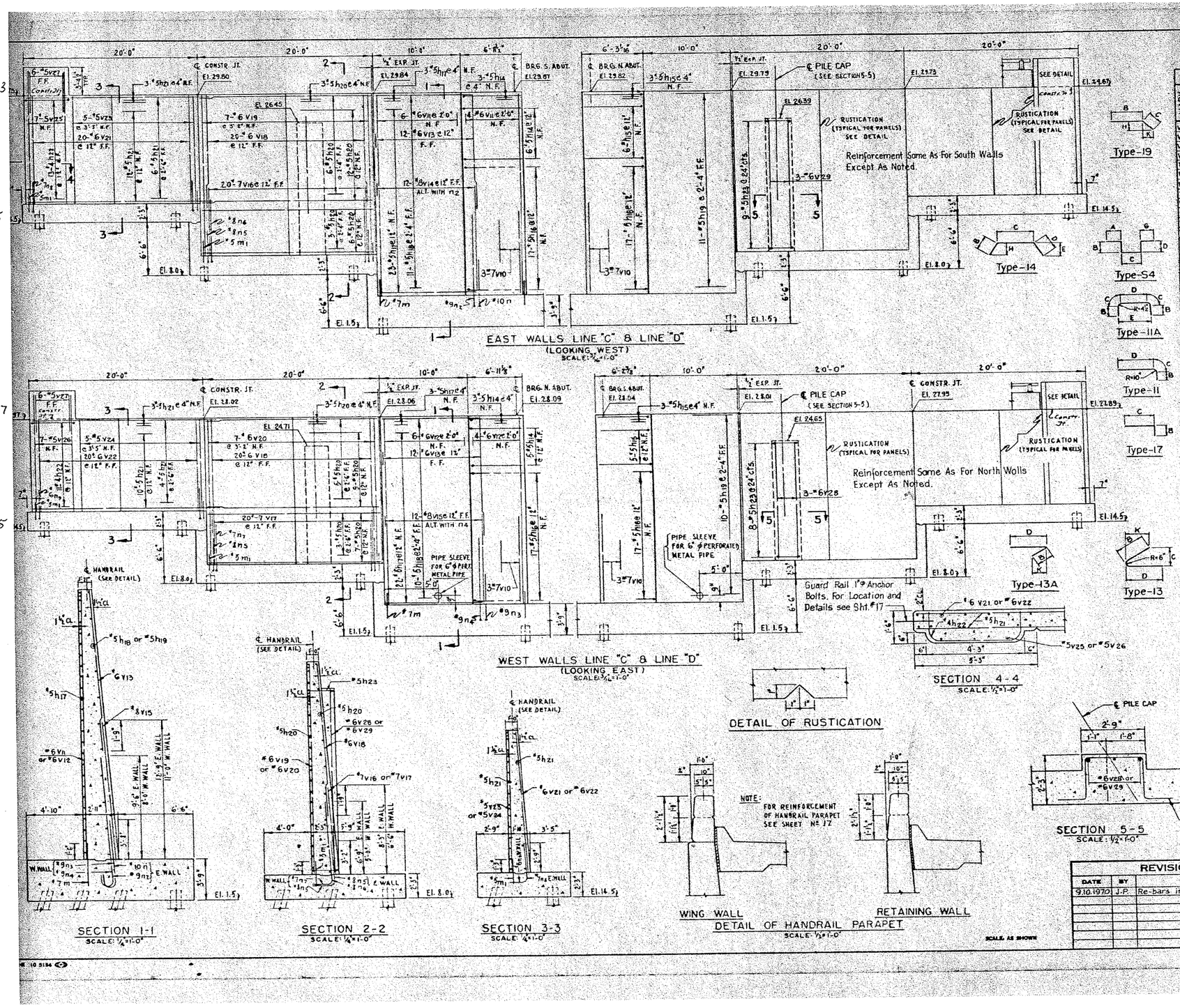

COUNTY PROGRAM ITEM No.	YEAR	SHEET No.

BAR SCHEDULE FOR ABUTMENTS WITH WALLS (EXCL. FOOTINGS)(*m)

MARK	S.ABUT. LINE "C" NO.	S.ABUT. LINE "D" NO.	N.ABUT. LINE "C" NO.	N.ABUT. LINE "D" NO.	TOTAL NO.	LGTH.	SIZE	SKETCH	TYPE	A	B	C	D	E	G	H	K	LOCATION
V	50	50	49	49	198	14'-0"	*8											
V1	28	28	28	28	112	14'-0"	*6											
V2	50	50	49	49	198	8'-6"	*6		19	6'-0"	2'-6"					1'-9"	1'-9"	
V3	28	28	28	28	112	8'-9"	*6		17	6'-6"	2'-3"							
V4	25	25	24	24	98	6'-0"	*5											
V5	19	19	19	19	76	8'-6"	*5		17	7'-6"	1'-0"							
V6	25	25	25	25	100	7'-0"	*5											
V7	18	18	18	18	72	10'-6"	*5		17	9'-6"	1'-0"							
V8	18	18	18	18	72	2'-0"	*6											
V9	9	9	9	9	36	3'-0"	*6											
V10	6	6	6	6	24	14'-0"	*7											
V11	10	10	10	10	40	24'-5"	*6											
V12	10	10	10	10	40	22'-8"	*6											
V13	24	24	24	24	96	13'-7"	*6											
V14	12	12	12	12	48	12'-9"	*8											
V15	12	12	12	12	48	11'-0"	*8											
V16	20	20	20	20	80	8'-3"	*7											
V17	20	20	20	20	80	6'-6"	*7											
V18	40	40	40	40	160	11'-8"	*6											
V19	7	7	7	7	28	19'-4"	*6											
V20	7	7	7	7	28	17'-7"	*6											
V21	23	23	23	23	92	12'-10"	*6											
V22	23	23	23	23	92	11'-0"	*6											
V23	5	5	5	5	20	12'-10"	*5											
V24	5	5	5	5	20	11'-0"	*5											
V25	7	7	7	7	28	16'-3"	*5											
V26	7	7	7	7	28	14'-5"	*5											
V27	14	14	14	14	56	4'-6"	*5											
V28	3	3	3	3	12	14'-2"	*6											
V29	3	3	3	3	12	16'-0"	*6											
h	53	53	53	53	212	26'-10"	*5											
h1	10	10	10	10	40	20'-6"	*5		14	6'-6"	7'-6"	6'-6"	2'-2"		2'-2"			
h2	5	5	5	5	20	19'-0"	*5		14	5'-0"	7'-6"	6'-6"	2'-2"		1'-10"			
h3	9	9	9	9	36	15'-8"	*5		S4	1'-6"	2'-10"	7'-0"	2'-10"	1'-6"				
h4	14	14	14	14	56	10'-0"	*5		13	5'-0"	4'-8"	5'-0"			2'-4"			
h5	13	13	13	13	52	4'-0"	*5		19	2'-0"	2'-0"				1'-0"			
h6	13	13	13	13	52	4'-6"	*5		17	2'-0"	2'-6"							
h7	14	14	14	14	56	7'-6"	*5		19	3'-9"	3'-9"				1'-10"			
h8	9	9	7	7	32	3'-3"	*5		17	0'-9"	2'-6"							
h9	9	9	10	10	38	3'-0"	*5		13A	0'-9"	2'-3"				0'-4"			
h10	10	10	9	9	38	3'-9"	*5											
h11	9	9	10	10	38	3'-0"	*5											
h12	3	3	3	3	12	5'-9"	*5		17	0'-9"	5'-0"							
h13	15	15	15	15	60	30'-6"	*5											
h14	9	9	8	8	34	8'-0"	*5		11	1'-0"	1'-2"	5'-10"						
h15	8	8	9	9	34	7'-2"	*5		11	1'-0"	1'-2"	5'-0"						
h16	34	34	34	34	136	5'-6"	*5		11	1'-0"	1'-2"	3'-4"						
h17	51	51	51	51	204	11'-2"	*5											
h18	11	11	10	10	42	12'-6"	*5											
h19	10	10	11	11	42	13'-10"	*5											
h20	57	57	57	57	228	19'-9"	*5											
h21	38	38	38	38	152	21'-3"	*5											
h22	24	24	24	24	96	6'-2"	*4		11A	0'-10	0'-7	3'-3"	4'-0"					
h23	17	17	17	17	68	8'-9"	*5		S4	1'-3"	1'-11"	2'-5"	1'-11"		1'-3"			

BILL OF MATERIAL
FOR ALL ABUTMENTS WITH WALLS (EXCL. FOOTINGS)

CLASS "X" CONCRETE	946	Cu.Yds.
REINFORCEMENT BARS	62890	Lbs.
RIGID STEEL CONDUIT 1" ø	32	Lin.Ft.
RIGID STEEL CONDUIT 2½" ø	124	Lin Ft.
CAST IRON "J" BOX WEATHERPROOF 8"x8"x6"	4	Each

(*m) FOR BAR SCHEDULE OF FOOTINGS SEE SHEETS NO. 11 & 14

REVISIONS

DATE	BY	DESCRIPTION
9.10.1970	J.P.	Re-bars in Brg. Pads changed

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS
GEORGE W. DUNNE, PRESIDENT BOARD OF COMMISSIONERS — THOMAS G. COTS, SUPERINTENDENT OF HIGHWAYS

RETAINING WALLS
STONY ISLAND EXPRESSWAY GRADE SEPARATION
OVER
103RD STREET

COMPUTED — CHECKED — DRAWN — CHECKED
PROJECT: EBU-246(44)
SUBMITTED: 28 May 1970
STRUCTURAL DESIGN ENGINEER
EXAMINED: May 28 72
CHIEF ENGINEER OF DESIGN

Sheets	SECTION NUMBER	Master No.	Detail Sheets	Drawing No.
122	174-1515 2-C.F. 176-1515 2-C.F.	16	54	S.I.-150-

SCALE AS SHOWN

BOWMAN, BARRETT & ASSOCIATES INC. CONSULTING ENGINEERS, Chicago, Illinois, 312.228.0100, www.bbandainc.com	USER NAME =	DESIGNED -	REVISED -
		CHECKED - BAK	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE = 03/29/2013	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NOS. 016-2441 & 016-2442
SHEET NO. S-28 OF S-31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	584
		CONTRACT NO. 60J12		
		ILLINOIS FED. AID PROJECT		

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