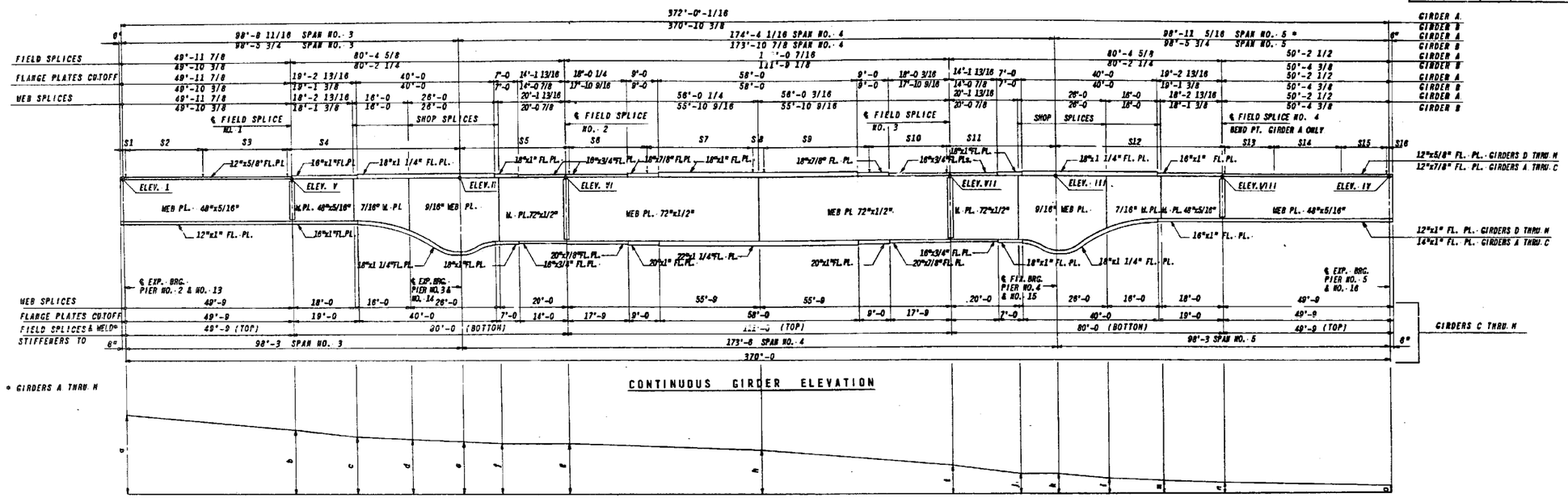
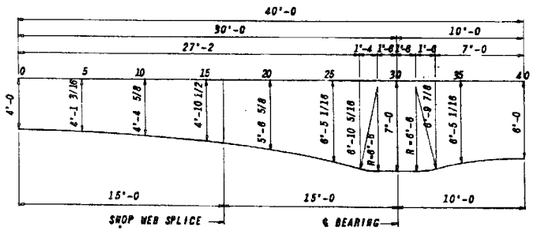
F.A. RTE.	SECTION	EXPRESSWAYS	TOTAL SHEETS	SHEET NO.
133	0707-626B	SOUTHWEST	95	63
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



BLOCKING DIAGRAM



HAUNCH DETAIL

CONTINUOUS GIRDER BLOCKING DIAGRAM SPAN NO. 3 THRU NO. 5 EAST BOUND & WEST BOUND

GIRDER	TOP OF WEB ELEVATIONS* AT								BLOCKING AT													
	I	II	III	IV	V	VI	VII	VIII	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
A	5.385	4.983	3.949	3.118	5.191	4.967	4.332	3.550	2'-3 3/16	2'-0 7/8	1'-11 7/16	1'-10 5/8	1'-10 3/8	1'-10 3/16	1'-10 3/16	1'-9 7/16	1'-2 9/16	0'-11 3/16	0'-10	0'-8 3/8	0'-6 13/16	0'-5 3/16	0
B	5.497	5.116	4.225	3.658	5.304	5.085	4.623	3.913	1'-10 1/16	1'-7 3/4	1'-6 5/8	1'-5 13/16	1'-5 1/2	1'-5 1/4	1'-5 1/8	1'-5 11/16	0'-10 3/8	0'-7 7/8	0'-6 13/16	0'-5 3/8	0'-4 1/4	0'-3 //16	0
C	5.609	5.247	4.493	4.131	5.428	5.220	4.735	4.230	1'-5 3/4	1'-3 9/16	1'-2 3/16	1'-1 9/16	1'-1 3/8	1'-1 1/4	1'-1 1/16	1'-0	0'-7 1/4	0'-5 5/16	0'-4 3/8	0'-3 1/8	0'-2 5/16	0'-1 3/16	0
D	5.771	5.409	4.171	4.409	5.597	5.367	4.966	4.607	1'-4 5/16	1'-2 1/4	1'-1 3/16	1'-0 11/16	1'-0	0'-11 1/2	0'-11 1/2	0'-10 9/16	0'-6 11/16	0'-4 15/16	0'-4 5/16	0'-3 7/16	0'-2 15/16	0'-2 3/8	0
E	5.885	5.523	4.885	4.523	5.711	5.481	5.080	4.721	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do
F	5.959	5.597	4.959	4.597	5.785	5.555	5.154	4.795	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do
G	5.888	5.526	4.888	4.526	5.714	5.484	5.083	4.724	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do
H	5.797	5.435	4.797	4.435	5.623	5.393	4.992	4.633	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do
I	5.827	5.468	4.827	4.466	5.654	5.424	5.023	4.664	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do
J	5.934	5.573	4.934	4.753	5.941	5.711	5.310	4.951	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do
K	6.021	5.659	5.021	4.659	5.847	5.617	5.216	4.857	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do
L	5.948	5.586	4.948	4.586	5.774	5.544	5.143	4.784	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do
M	5.855	5.493	4.855	4.493	5.681	5.451	5.050	4.691	1'-4 5/16	1'-2 1/4	1'-1 3/16	1'-0 11/16	1'-0	0'-11 1/2	0'-11 1/2	0'-10 9/16	0'-6 11/16	0'-4 15/16	0'-4 5/16	0'-3 7/16	0'-2 15/16	0'-2 3/8	0

* ADD 620 TO ALL ELEVATIONS

SHEAR CONNECTOR SPACINGS

GIRDER	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16
A	–	28 @ 0'-9	21 @ 1'-3	–	–	28 @ 0'-11	–	34 @ 1'-6	–	34 @ 0'-11	–	–	13 @ 1'-9	12 @ 1'-0	29 @ 0'-9	–
	0'-3	21'-0	26'-3	51'-2 11/16	35'-3	25'-8	–	51'-0	–	31'-2	33'-3 1/16	51'-2 11/16	18'-3	12'-0	19'-4	0'-1 5/8
B	–			–	–						–	–			28 @ 0'-8	–
	do	do	do	50'-11 3/4	35'-0 1/2	do	do	do	do	do	33'-0 3/8	51'-1 3/8	do	do	18'-8	0'-5 3/8
C	–	28 @ 0'-9	21 @ 1'-3	–	–	28 @ 0'-11	–	7'-6	–	34 @ 0'-11	–	–	13 @ 1'-3	12 @ 1'-0	28 @ 0'-8	–
	do	21'-0	26'-3	50'-9	32'-10	25'-8	–	-0	–	31'-2	32'-10	50'-9	18'-3	12'-0	18'-8	0'-7
D thru N	–	33 @ 0'-9	18 @ 1'-3	–	–	48 @ 9"	10 @ 1'-6	3 @ 1'-10	10 @ 1'-6	48 @ 9"	–	–	18 @ 1'-3	33 @ 0'-9	–	–
	0'-3	24'-9	22'-6	50'-9	35'-0	=36'-0	= 15'-0	= 5'-6	= 15'-0	=36'-0	33'-0	50'-9	22'-6	24'-9	–	0'-3

STRUCTURAL STEEL SPAN NO. 3 THRU NO. 5 EAST BOUND AND WEST BOUND:

WEIGHT OF STUDS	7,499 LBS.
WEIGHT OF BEARING DEVICES	62,114 LBS.
WEIGHT OF EXPANSION GUARDS	21,734 LBS.
FRAMING STEEL	1,380,470 LBS.

FURNISHING AND ERECTING STRUCTURAL STEEL 1,471,817 LBS.

REVISIONS	
NAME	DATE
DESIGNED P.K.-S.T.	
REVIEWED C.W.W.	

ILLINOIS DIVISION OF HIGHWAYS

SOUTHWEST EXPRESSWAY

F.A. RT. 133

LAWNDALE AVE. STRUCTURE OVER CHICAGO SANITARY AND SHIP CANAL

SECTION 0707-626B

CONTINUOUS GIRDER DETAILS

SCALE: HORIZ. VERT. DRAWN BY D.W.U.

DATE 8-5-63 CHECKED BY L.D.B.

benesch
engineers · scientists · planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10093

FOR INFORMATION ONLY

FILE NAME = 0160486_60J16_X24_exist_girdel.dgn	USER NAME = tjanicke	DESIGNED - FSM	REVISED -
		CHECKED - RMM	REVISED -
	PLOT SCALE =	DRAWN - FSM	REVISED -
	PLOT DATE = 6/23/2014	CHECKED - RMM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS GIRDER ELEVATION
STRUCTURE NO. 016-0486
SHEET NO. SGX24 OF SGX48 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
373	2013-038B-R	COOK	821	714
		CONTRACT NO. 60J16		
	ILLINOIS	FED. AID PROJECT		

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