ESCA CONSULTANTS, INC.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

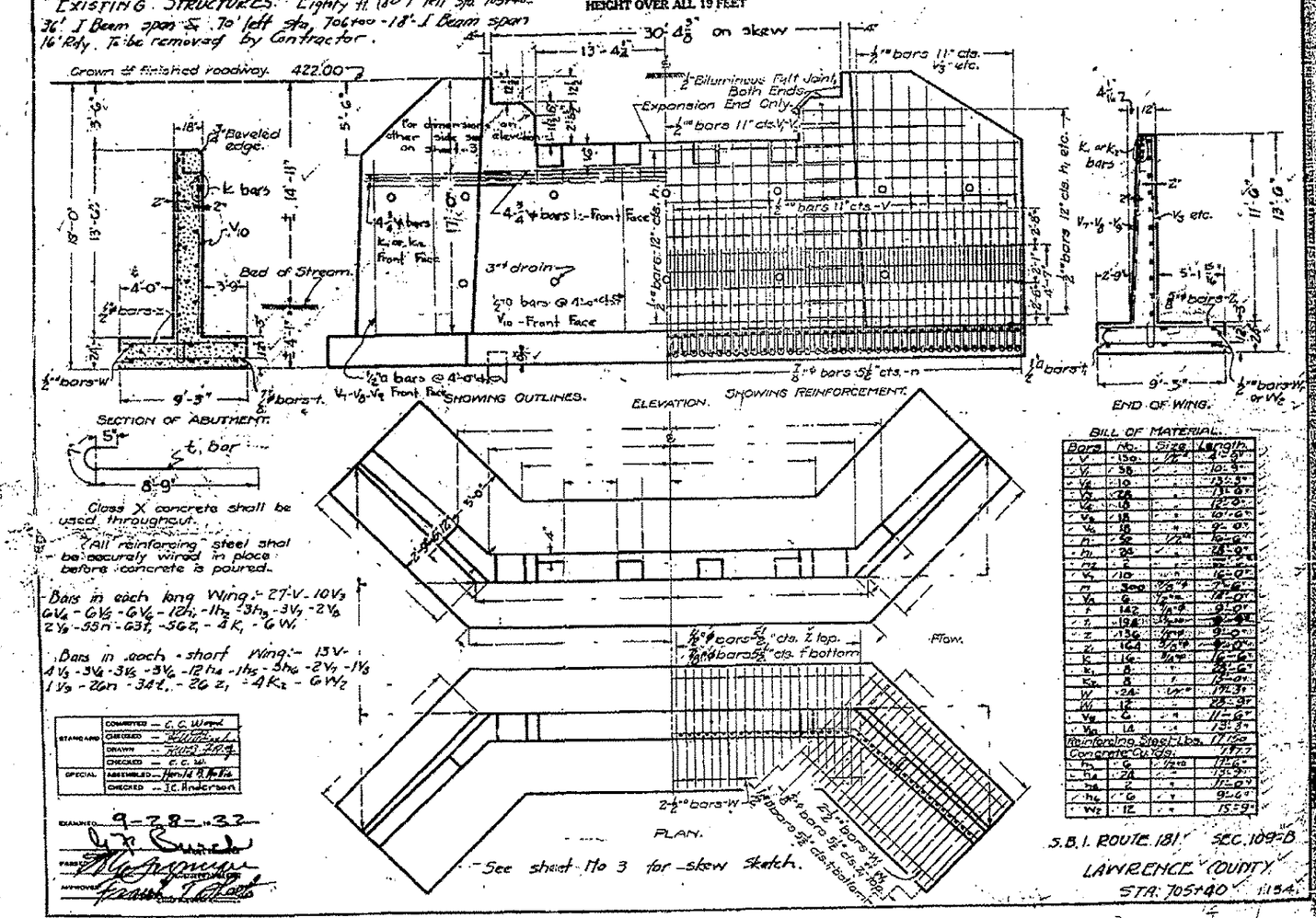
R. C. ABUTMENTS FOR DECK GIRDER BRIDGE
HEIGHT OVER ALL 19 FEET

BOND ISSUE ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
181	109B	Lawrence	56	54

FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT

Sheet No. 2 of 3 Sheets.

BENCH MARK: Mark X on N.W. Wing-Wall 60' left sta. 707+00. Elev. 418.93.
EXISTING STRUCTURES: Eighty ft. (80') left sta. 705+40 - 36' I Beam span & 70' left sta. 706+00 - 18' I Beam span 16' Rdy. To be removed by Contractor.



BILL OF MATERIAL.

Bars	No.	Size	Length
V	130	1/2"	4'-9"
V1	58	"	10'-9"
V2	10	"	13'-3"
V3	28	"	13'-0"
V4	18	"	12'-0"
V5	18	"	10'-6"
V6	18	"	9'-0"
h	52	1/2"	16'-6"
h1	24	"	28'-0"
h2	2	"	[illegible]
V7	10	"	16'-0"
n	300	7/8" φ	7'-6"
V8	6	1/2" φ	14'-0"
t	142	7/8" φ	9'-0"
t1	194	1/2" φ	[illegible]
z	136	1/2" φ	9'-0"
z1	164	5/8" φ	9'-0"
K	16	3/4" φ	16'-6"
K1	8	"	28'-6"
K2	8	"	15'-0"
W	24	1/2"	17'-3"
W1	12	"	28'-9"
V9	6	"	11'-6"
V10	14	"	13'-3"
Reinforcing Steel Lbs.			17,150
Concrete Cu. Yds.			197.7
h3	6	1/2" φ	17'-6"
h4	24	"	13'-9"
h5	2	"	11'-0"
h6	6	"	9'-6"
W2	12	"	15'-9"

STANDARD		
	COMPUTED	C. C. Wood
	CHECKED	[illegible]
	DRAWN	[illegible]
	CHECKED	C. C. W.
SPECIAL	ASSEMBLED	Harold B. [illegible]
	CHECKED	J.C. Anderson

EXAMINED 9-28-32
PASSED
APPROVED

S.B.I. ROUTE 181 SEC. 109-B
LAWRENCE COUNTY
STA. 705+40 1:154

FOR INFORMATION ONLY

FILE NAME =	USER NAME = steffenmk	DESIGNED - DAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS	F.A.P. RTE. 781	SECTION 109B-1	COUNTY LAWRENCE	TOTAL SHEETS 34	SHEET NO. 25
		DRAWN - HAS	REVISED -					CONTRACT NO. 74105		
	PLOT SCALE = 0.1667 ' / in.	CHECKED - ELH	REVISED -							
	PLOT DATE = 6/2/2014 1:11:22 PM	DATE - 02/10	REVISED -		SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT AID		