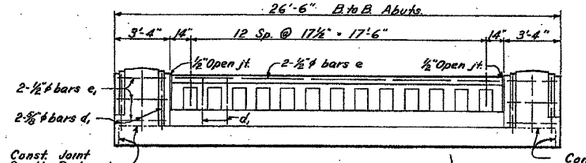
B.M. - Sp. & W. in Triple Locust, 100' Rt. Sta. 218+95, El. 661.68
Existing Structure - I Beams, Concrete floor & RC Abutments
1 span @ 12', Rdwy. 16'. To be removed by Br. Contractor when new bridge is built. Salvage I Beams for re use.
Pile along R.O.W. as directed by Engineer.

Construct Handrail in accordance with Standard 1984, Type 2

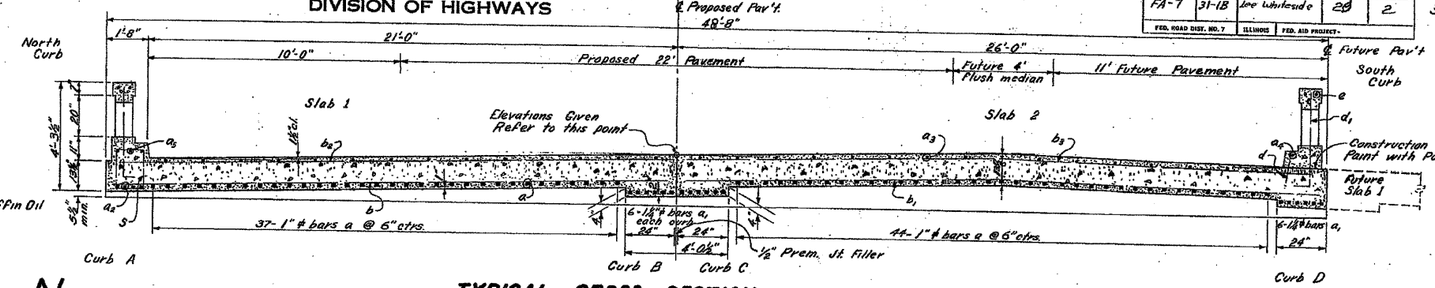
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROAD DISTRICT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA-7	31-1B	Lee Whiteside	28	2.
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT -		

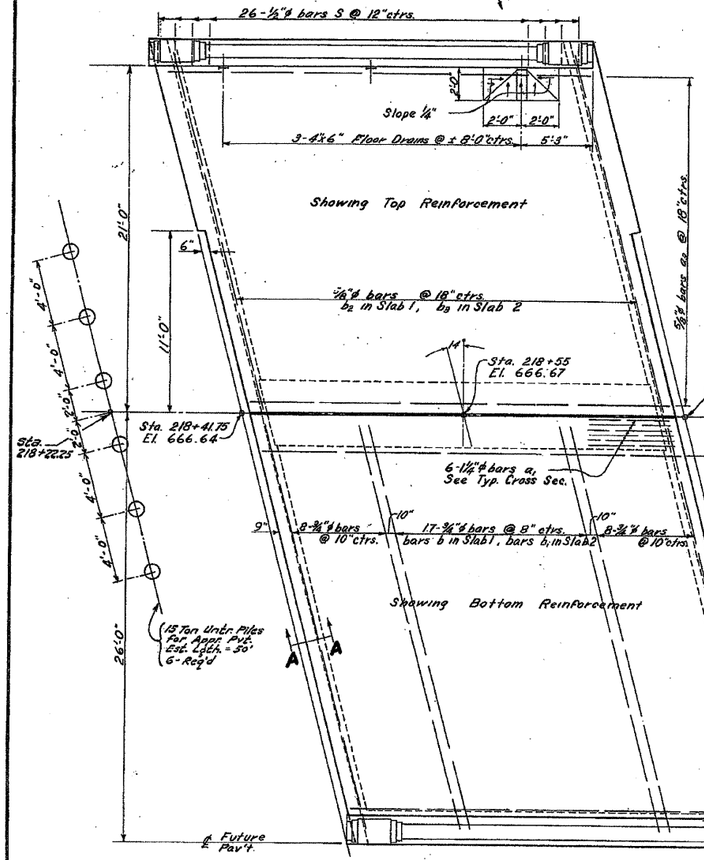
SHEET NO. 1
3 SHEETS



ELEVATION

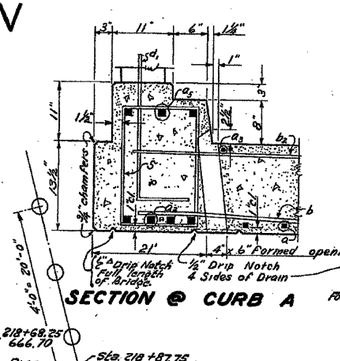


TYPICAL CROSS SECTION

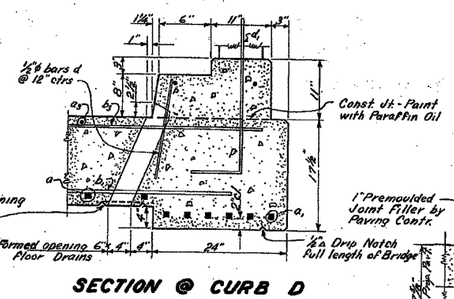


PLAN

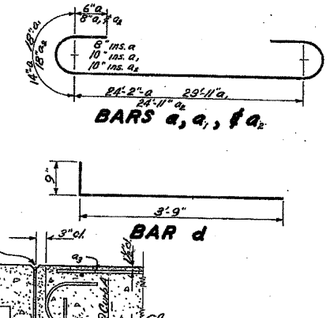
LAYOUT OF CHANNEL CHANGE



SECTION @ CURB A



SECTION @ CURB D

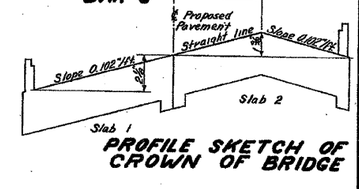


BARS a, a, & a2

BAR S

BAR d

SECTION A-A



PROFILE SKETCH OF CROWN OF BRIDGE

PLAN NOTES

Class X Concrete shall be used thruout except as noted.
Handrail Concrete shall be used in Handrail.
Handrail shall not be poured until Falsework has been removed.
The Concrete slab on either side of the center joint shall be poured in one continuous operation.
The Falsework on one side of the center joint shall not be removed until after the floor slab and curb are poured on the other side.
The concrete floor shall be finished in accordance with Art. 516(g) of the Standard Specifications.
Structural grade Reinforcing Bars will not be permitted.
Bridge Contractor to excavate new channel, 250' Lt. and 200' Rt. of Centerline of proposed improvement as indicated by typical section. Estimated 1502 Cuyds channel excavation. Place in roadway Fill within 150' of each abutment and in old channel as directed by the Engineer.
The Contractor shall drive 2 test piles as directed by the Engineer before ordering the remainder of the piles. Drive in permanent location.
For backfill behind abutments with Fixed Tops, see Art. 50.10 of Std. Specs.
A.S.T.M. Designation A305 reinforcement shall be used. The round bar corresponding to the area, called for in the Bill of Material shall be used.

STATION 218+55
BUILT 195 BY
STATE OF ILLINOIS
F.A. RT. 7 ~ SEC. 31-1B
LOADING H-20-S16

LETTERING OF NAME PLATE
SEE STANDARD 2113

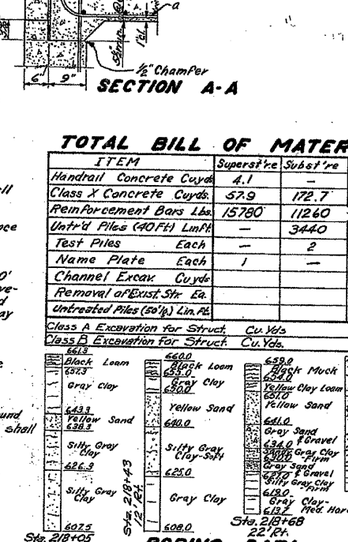
TOTAL BILL OF MATERIAL

ITEM	Superst're	Subst're	TOTAL
Handrail Concrete Cuyds.	4.1	—	4.1
Class X Concrete Cuyds.	57.9	172.7	230.6
Reinforcement Bars Lbs.	15780	11260	27040
Untrd. Piles (40 Ft) Lin. Ft.	—	3440	3440
Test Piles Each	—	2	2
Name Plate Each	1	—	1
Channel Excav. Cuyds.			1502
Removal of Exist. Str. Ea.			1
Untreated Piles (50'lg.) Lin. Ft.			600
Class A Excavation for Struct. Cu. Yds.			240
Class B Excavation for Struct. Cu. Yds.			450

SUPERSTRUCTURE BILL OF MATERIAL

BAR	NO.	Size	Length	Shape
a	81	1" ϕ	27'-6"	
a1	18	1⅛" ϕ	28'-3"	
a2	4	1⅛" ϕ	29'-3"	
a3	30	⅝" ϕ	25'-0"	
a4	2	½" ϕ	26'-8"	
as	3	1¼" ϕ	26'-0"	
b	33	¾" ϕ	22'-0"	
b1	33	⅝" ϕ	25'-0"	
b2	17	⅝" ϕ	22'-0"	
b3	17	⅝" ϕ	25'-0"	
d	26	½" ϕ	1'-6"	
d1	52	⅝" ϕ	4'-6"	
e	4	½" ϕ	19'-6"	
e1	24	½" ϕ	3'-0"	
S	26	½" ϕ	6'-3"	
Handrail Concrete Cuyds.				4.1
Class X Concrete Cuyds.				57.9
Reinforcement Bars Lbs.				15780
Name Plate		Each		1

BORING DATA



Boring Data are shown only as a guide to bidders in estimating soil conditions which may be encountered on the work.

Waterway Information

Drainage Area	1400 Acres
Opening Required	149 ft
C- (Talbot)	.65
Opening Provided	149 ft

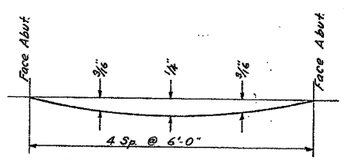
Stresses
f_c - 1400 Superstructure
f_c - 800 Substructure
f_s - 20,000 Reinforce.
n - 10

H-20-S16-44 Loading

STANDARD	COMPUTED	George T. Rhodes
	CHECKED	W. Baumann
	DRAWN	G.T.R. C.S. Cole
	CHECKED	W. Baumann
SPECIAL	ASSEMBLED	
	CHECKED	

EXAMINED June 24 1954
W.E. Hanson, BRIDGE ENGINEER
PASSED C.H. Rentschler, ENGINEER OF DESIGN
APPROVED R.H. Bartelsmeyer, HIGHWAY ENGINEER

Revised 3-15-49 - G.T.R.
Revised 9-21-50 - Approach Pvt. Piles added - J.S.M.
Revised Notes & Slab -6-21-54 - H.P.G.



DEAD LOAD DEFLECTION DIAGRAM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
561	31-1BR-1 & 31-1BR-2	LEE	92	92A
		CONTRACT NO. 64805		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FOR INFORMATIONAL PURPOSES ONLY
SHEET ADDED 10/23/09