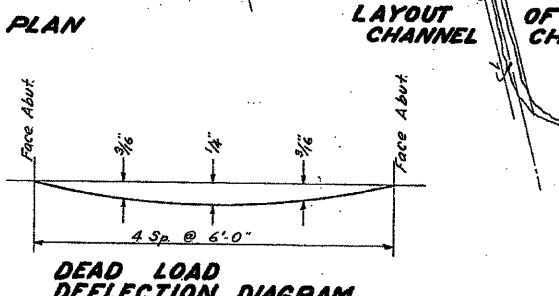
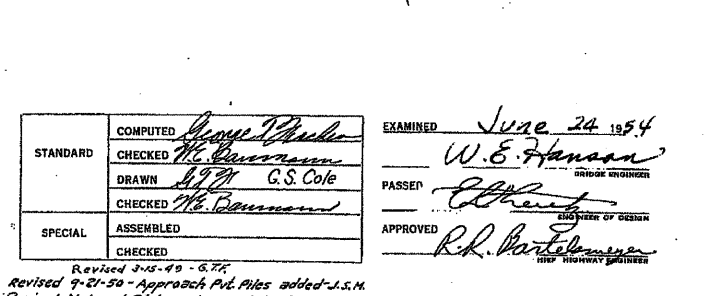
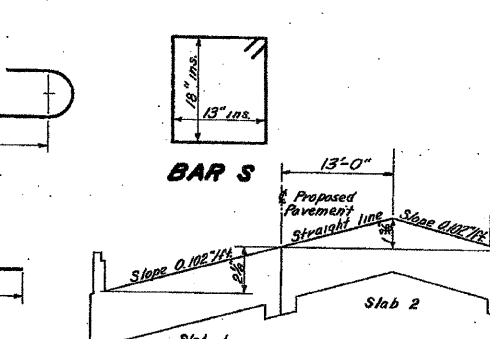
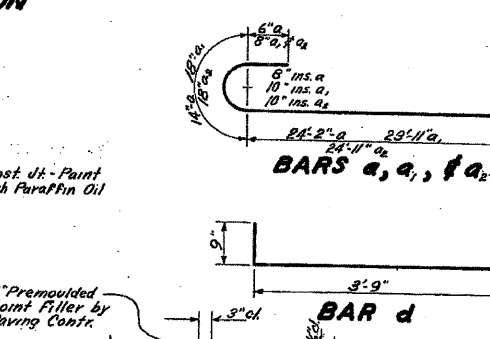
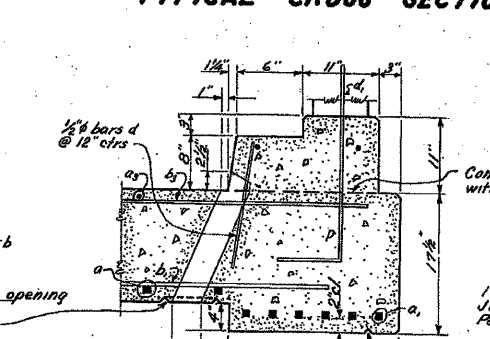
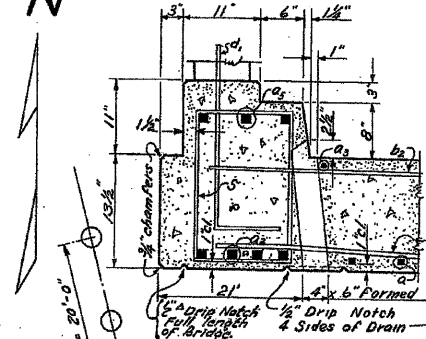
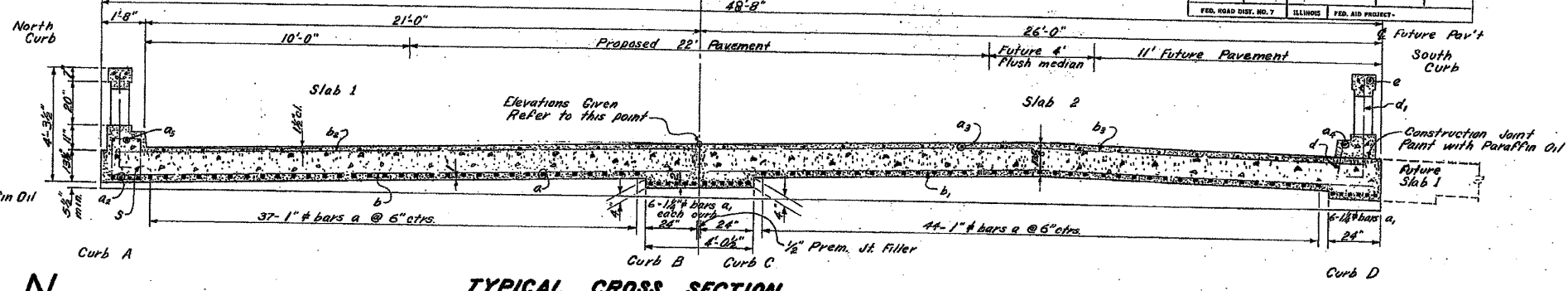
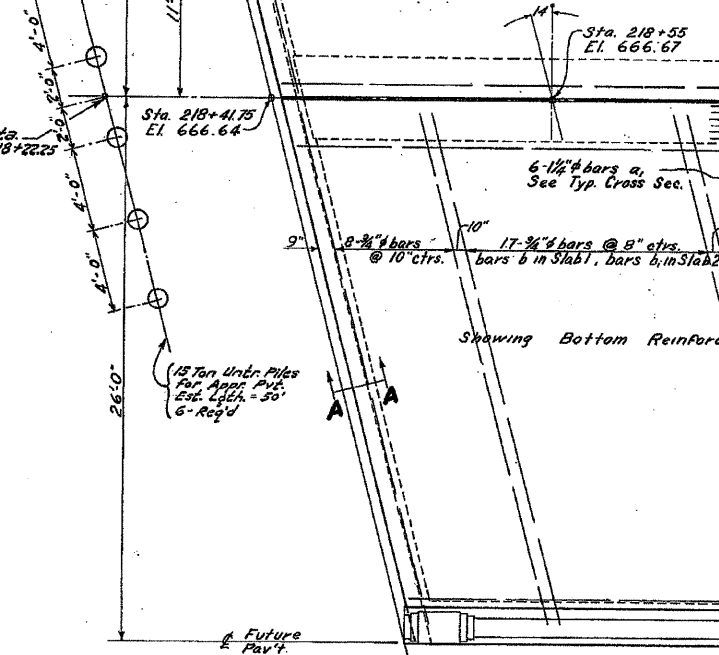
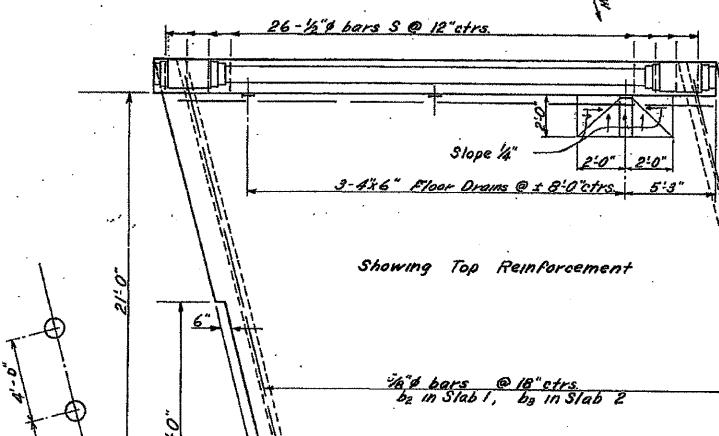
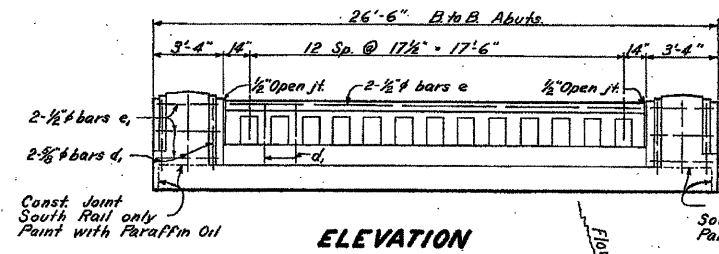


B.M. Sp. & W. in Triple Locust, 100' Ft. Sta. 218+95, El. 661.68
 Existing Structure - I Beams, Concrete Floor & RC Abutments
 1 span @ 12', R.O.W. 16'. To be removed by Br. Contractor
 when new bridge is built, Salvage I Beams for re-use.
 Pile along R.O.W. as directed by Engineer

Construct Handrail in accordance
 with Standard 1984, Type 2

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

WORD SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
FA-7	31-1B	Lee Whitehouse	28	2	3 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



PLAN NOTES
 Class X Concrete shall be used thruout except as noted.
 Handrail Concrete shall be used in Handrail. Handrail 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. 518(b) of the Standard Specifications. Structural grade Reinforcing bars will not be permitted.
 Bridge Contractor to excavate new channel, 250' L and 200' Ft. 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.R.T. 7 - SEC. 31-1B
 LOADING H-20-S16

LETTERING OF NAME PLATE
 SEE STANDARD 2113

Waterway Information
 Drainage Area 1400 Acres
 Opening Required 149"
 C (Talbot) .65
 Opening Provided 149"

TOTAL BILL OF MATERIAL

ITEM	Superstr	Substr	TOTAL
Handrail Concrete Cuyds	4.1	-	4.1
Class X Concrete Cuyds	57.9	172.7	230.6
Reinforcement Bars Lbs	15780	11260	27040
Unt'd Piles (40 Ft) Lin Ft	-	3440	3440
Test Piles Each	-	2	2
Name Plate Each	1	-	1
Channel Excav Cuyds	-	1502	1502
Removal of Exist. Str. Ea.	-	1	1
Untreated Piles (20 ft) Lin Ft	-	600	600
Class A Excavation for Struct. Cu. Yds.	-	240	240
Class B Excavation for Struct. Cu. Yds.	-	450	450

SUPERSTRUCTURE BILL OF MATERIAL

BAR NO.	Size	Length	Shape
a	81	1" # 27'-6"	
a1	18	1/2" # 28'-3"	
a2	4	1 1/2" # 29'-3"	
a3	30	3/8" # 25'-0"	
a4	2	1/2" # 26'-3"	
a5	3	1 1/2" # 26'-0"	
b	33	3/8" # 22'-0"	
b1	33	3/8" # 25'-0"	
b2	17	3/8" # 22'-0"	
b3	17	3/8" # 25'-0"	
c	26	1/2" # 1'-6"	
d	32	3/8" # 4'-6"	
e	4	1/2" # 19'-6"	
e1	24	1/2" # 3'-0"	
S	26	1/2" # 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.

STATION	DEPTH	SOIL	REMARKS
218+55	0-10	Black Loam	659.0
218+55	10-20	Gray clay	659.0
218+55	20-30	Yellow Sand	659.0
218+55	30-40	Silty Gray Clay	659.0
218+55	40-50	Silty Gray Clay	659.0
218+55	50-60	Silty Gray Clay	659.0
218+55	60-70	Silty Gray Clay	659.0
218+55	70-80	Silty Gray Clay	659.0
218+55	80-90	Silty Gray Clay	659.0
218+55	90-100	Silty Gray Clay	659.0
218+55	100-110	Silty Gray Clay	659.0
218+55	110-120	Silty Gray Clay	659.0
218+55	120-130	Silty Gray Clay	659.0
218+55	130-140	Silty Gray Clay	659.0
218+55	140-150	Silty Gray Clay	659.0
218+55	150-160	Silty Gray Clay	659.0
218+55	160-170	Silty Gray Clay	659.0
218+55	170-180	Silty Gray Clay	659.0
218+55	180-190	Silty Gray Clay	659.0
218+55	190-200	Silty Gray Clay	659.0
218+55	200-210	Silty Gray Clay	659.0
218+55	210-220	Silty Gray Clay	659.0
218+55	220-230	Silty Gray Clay	659.0
218+55	230-240	Silty Gray Clay	659.0
218+55	240-250	Silty Gray Clay	659.0
218+55	250-260	Silty Gray Clay	659.0
218+55	260-270	Silty Gray Clay	659.0
218+55	270-280	Silty Gray Clay	659.0
218+55	280-290	Silty Gray Clay	659.0
218+55	290-300	Silty Gray Clay	659.0
218+55	300-310	Silty Gray Clay	659.0
218+55	310-320	Silty Gray Clay	659.0
218+55	320-330	Silty Gray Clay	659.0
218+55	330-340	Silty Gray Clay	659.0
218+55	340-350	Silty Gray Clay	659.0
218+55	350-360	Silty Gray Clay	659.0
218+55	360-370	Silty Gray Clay	659.0
218+55	370-380	Silty Gray Clay	659.0
218+55	380-390	Silty Gray Clay	659.0
218+55	390-400	Silty Gray Clay	659.0
218+55	400-410	Silty Gray Clay	659.0
218+55	410-420	Silty Gray Clay	659.0
218+55	420-430	Silty Gray Clay	659.0
218+55	430-440	Silty Gray Clay	659.0
218+55	440-450	Silty Gray Clay	659.0
218+55	450-460	Silty Gray Clay	659.0
218+55	460-470	Silty Gray Clay	659.0
218+55	470-480	Silty Gray Clay	659.0
218+55	480-490	Silty Gray Clay	659.0
218+55	490-500	Silty Gray Clay	659.0
218+55	500-510	Silty Gray Clay	659.0
218+55	510-520	Silty Gray Clay	659.0
218+55	520-530	Silty Gray Clay	659.0
218+55	530-540	Silty Gray Clay	659.0
218+55	540-550	Silty Gray Clay	659.0
218+55	550-560	Silty Gray Clay	659.0
218+55	560-570	Silty Gray Clay	659.0
218+55	570-580	Silty Gray Clay	659.0
218+55	580-590	Silty Gray Clay	659.0
218+55	590-600	Silty Gray Clay	659.0
218+55	600-610	Silty Gray Clay	659.0
218+55	610-620	Silty Gray Clay	659.0
218+55	620-630	Silty Gray Clay	659.0
218+55	630-640	Silty Gray Clay	659.0
218+55	640-650	Silty Gray Clay	659.0
218+55	650-660	Silty Gray Clay	659.0
218+55	660-670	Silty Gray Clay	659.0
218+55	670-680	Silty Gray Clay	659.0
218+55	680-690	Silty Gray Clay	659.0
218+55	690-700	Silty Gray Clay	659.0
218+55	700-710	Silty Gray Clay	659.0
218+55	710-720	Silty Gray Clay	659.0
218+55	720-730	Silty Gray Clay	659.0
218+55	730-740	Silty Gray Clay	659.0
218+55	740-750	Silty Gray Clay	659.0
218+55	750-760	Silty Gray Clay	659.0
218+55	760-770	Silty Gray Clay	659.0
218+55	770-780	Silty Gray Clay	659.0
218+55	780-790	Silty Gray Clay	659.0
218+55	790-800	Silty Gray Clay	659.0
218+55	800-810	Silty Gray Clay	659.0
218+55	810-820	Silty Gray Clay	659.0
218+55	820-830	Silty Gray Clay	659.0
218+55	830-840	Silty Gray Clay	659.0
218+55	840-850	Silty Gray Clay	659.0
218+55	850-860	Silty Gray Clay	659.0
218+55	860-870	Silty Gray Clay	659.0
218+55	870-880	Silty Gray Clay	659.0
218+55	880-890	Silty Gray Clay	659.0
218+55	890-900	Silty Gray Clay	659.0
218+55	900-910	Silty Gray Clay	659.0
218+55	910-920	Silty Gray Clay	659.0
218+55	920-930	Silty Gray Clay	659.0
218+55	930-940	Silty Gray Clay	659.0
218+55	940-950	Silty Gray Clay	659.0
218+55	950-960	Silty Gray Clay	659.0
218+55	960-970	Silty Gray Clay	659.0
218+55	970-980	Silty Gray Clay	659.0
218+55	980-990	Silty Gray Clay	659.0
218+55	990-1000	Silty Gray Clay	659.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
561	31-1B-1 & 31-1B-2	LEE	92	92A
CONTRACT NO. 64B05				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FOR INFORMATIONAL PURPOSES ONLY

Stresses
 P₁ - 1400 Superstructure
 P₂ - 800 Substructure
 P₃ - 20,000 Reinforce.
 n - 10

H-20-S16-44 Loading
 SHEET ADDED 10/23/09

COMPUTED *George J. Packer*
 CHECKED *W.E. Hanson*
 DRAWN *G.S. Cole*
 CHECKED *W.E. Hanson*
 SPECIAL ASSEMBLED
 CHECKED

EXAMINED *W.E. Hanson* June 24 1954
 PASSED *W.E. Hanson*
 APPROVED *R.H. Partel*

Revised 3-10-49 - G.F.F.
 Revised 9-21-50 - Approach Pile Piles added - J.S.M.
 Revised Notes of Slab - 6-21-54 - H.P.G.