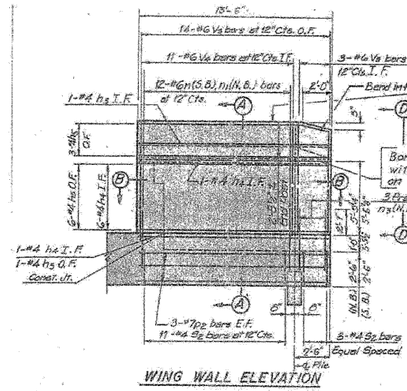
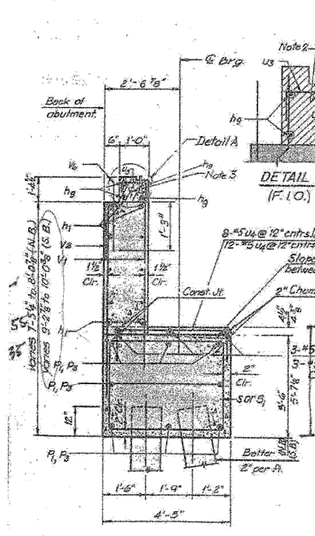
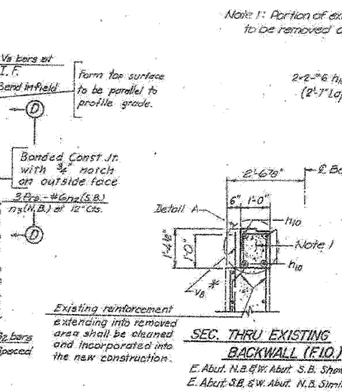
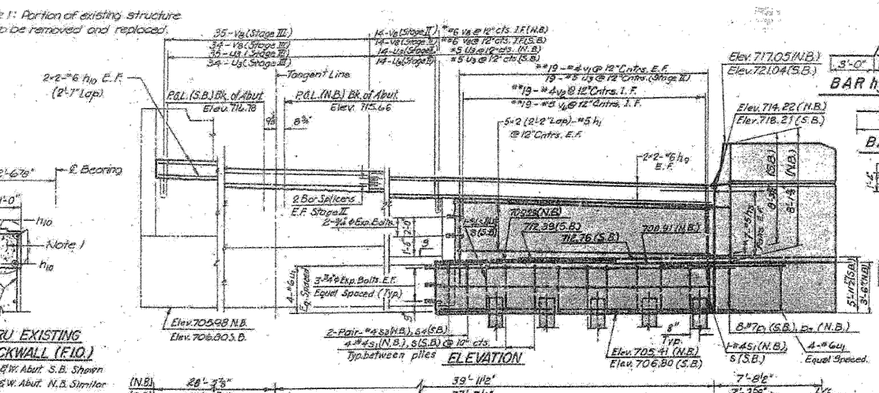
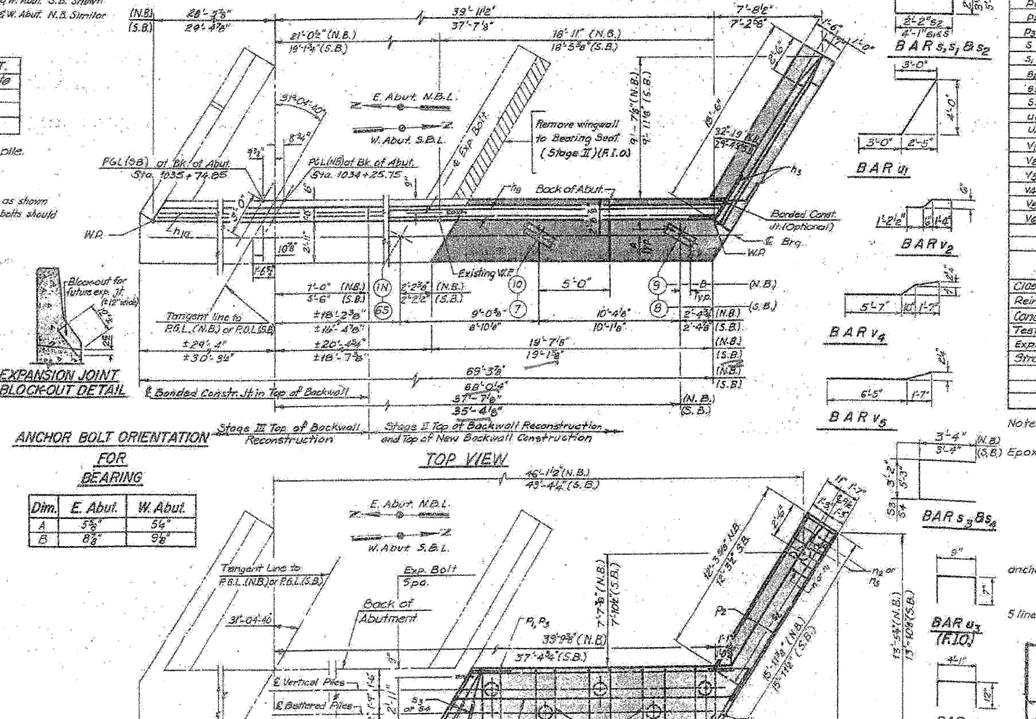
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION











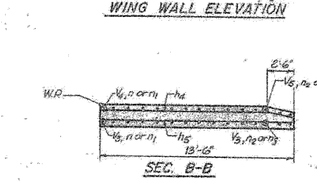
Dim.	E. Abut.	W. Abut.
A	3'8"	5'4"
B	8'8"	9'8"

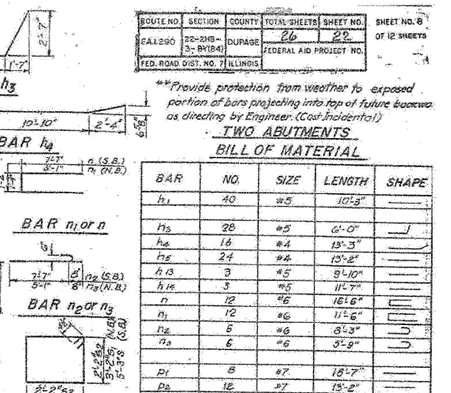
PILE DATA

ITEM	W. ABUT.	E. ABUT.
Type	Concrete	Concrete
Capacity	30 T.	30 T.
Est. length	24 Ft.	32 Ft.
No. Required	***6	***6

***Includes one test pile.

Note 2: Place h_9 (or h_{10}) bar in back of anchor bolt as shown if required to maintain 1" Cl. (+0"-6"). Anchor bolts should be tied to h_9 (or h_{10}) bar.





ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 290	22-2HB-3-BY(84)	DUPAGE	26	22
FED. ROAD DIST. NO. 7	ILLINOIS		FEDERAL AID PROJECT NO.	

SHEET NO. 8 OF 12 SHEETS

**Provide protection from weather to exposed portion of bars projecting into top of future backwall as directed by Engineer. (Cost Incidental)

TWO ABUTMENTS
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h_1	40	#5	10'-3"	
h_3	28	#5	6'-0"	
h_4	16	#4	13'-3"	
h_5	24	#4	13'-2"	
h_{13}	3	#5	9'-10"	
h_{16}	3	#5	11'-7"	
n	12	#6	16'-6"	
n_1	12	#6	11'-6"	
n_2	6	#6	8'-3"	
n_3	6	#6	3'-9"	
P_1	8	#7	18'-7"	
P_2	12	#7	19'-2"	
P_3	8	#7	19'-3"	
S	18	#4	19'-5"	
S_1	18	#4	15'-3"	
Bs_2	28	#4	9'-5"	
Bs_3	4	#4	9'-10"	
S_4	4	#4	11'-11"	
U_1	16	#6	10'-8"	
U_4	20	#5	6'-1"	
V_1	76	#4	7'-8"	
V_2	38	#4	8'-3"	
V_3	28	#6	8'-0"	
V_4	22	#6	8'-2"	
V_5	6	#6	8'-0"	
V_6	38	#5	2'-3"	

ITEM	UNIT	QUANT.
Class X Concrete	Cu. Yds.	58.1
Reinforcement Bars	Lbs.	5,190
Concrete Piles	Lin. Ft.	280
Test Pile Concrete	Each	2
Expansion Bolts ¾ Inch ϕ	Each	16
Structure Excavation	Cu. Yds.	69

Notes:
*Drill 1" ϕ holes for #6 V_6 bars and Epoxy Grout, see Special Provisions. (F.I.O.)
EF denotes each face
IF denotes inside face
OF denotes outside face
Indicates Stage I Construction.
Indicates concrete removal. (Stage II)
For View D-D, see sheet No. 7.
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
Bars indicated thus, "5×2-#5 at 6", indicates 5 lines of bars with 2 lengths per line.
F.I.O. denotes For Information Only.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT NORTH BOUND LANE
WEST ABUTMENT SOUTH BOUND LANES
F.A.I. ROUTE 290, DUPAGE COUNTY
SECTION 22-2HB-3- BY(84)
STA. 1034+98.75
INTERSTATE ROUTE 290 OVER CHURCH ROAD

NO.	DATE	REVISION	BY

EXISTING PLAN INFORMATION 6 OF 6
STRUCTURE NO. 022-0099

HOWARD NEEDLES TAMMEN & BERGENDOFF — HNTB
MADE EEE DATE 8-19-81 CHECKED BAM DATE 11-15-84

FOR INFORMATION ONLY

benesch
alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10050

SHEET NO. 18	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18 SHEETS	290/355	22(1, 1-1, 2&3)RS-7	DUPAGE	546	280
			CONTRACT NO. 60G51		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

x:\100000s\10050\engineering_documents_contract_1\sn_022_0098_00099_church_st\00099-60G51-018-Existplan_06.dgn
11\12\2009 13:01:00