

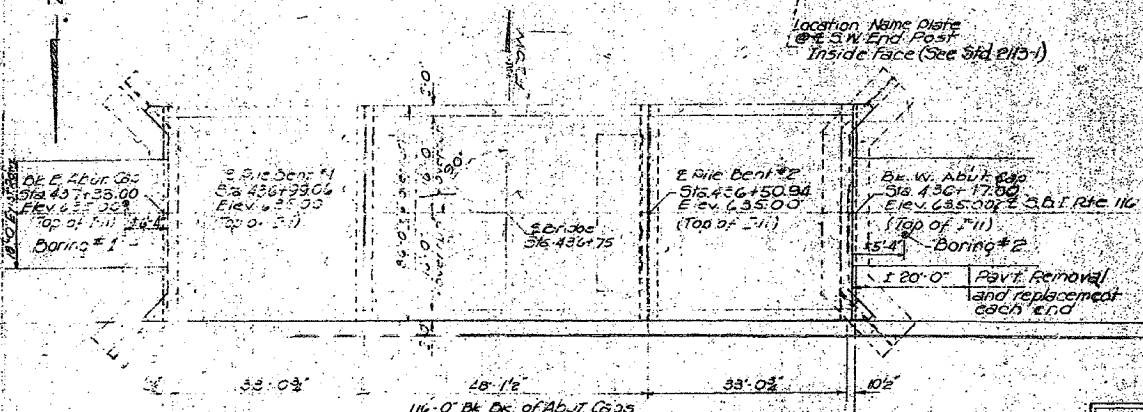
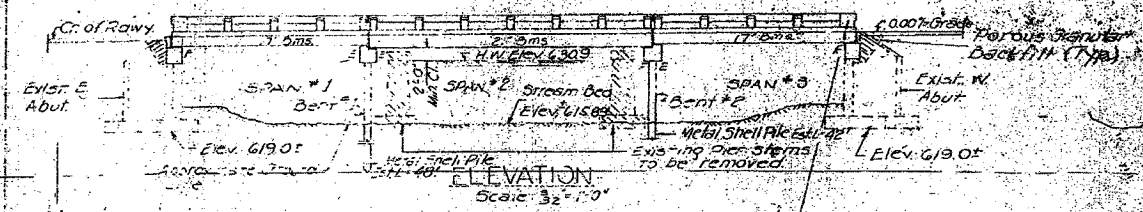
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONTRACT NO. 66565

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	113BR-2	LIVINGSTON	47	38
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. B26  
OF 31 SHEETS

0.11" Top of W. 10 wall, South East corner,  
East Abut. Elev. 6350  
Existing Structure Super portions of  
Sub. to be removed No San. E



GENERAL NOTES

For Item Precast Prestressed Concrete Bridge Deck  
Supplemental Specifications effective March 2, 1965  
Strand used as prestressing steel shall be  
high strength, stress relieved strand.  
The nominal diameter of the strand shall not exceed  
and the nominal cross sectional area shall be 0.15  
square inch.  
Pockets that receive transverse tie bar on outside  
beam shall filled with grout after transverse tie assembly  
is in place.  
The rods in the transverse tie assembly shall be tightened  
to a snug fit and the threads set.  
The rail concrete in the rail post and railing shall be  
poured in separate operations.  
All reinforcement bars shall be lapped 80 diameters unless  
otherwise shown.  
The Contractor shall drive one additional pile in a permanent  
location at Pier Bent 1 as directed by the Engineer before driving  
remainder of piles.  
The back of the Abut Caps (except carrier positions)  
and exposed portions of the existing Abut. back wall shall  
be waterproofed.  
Steel for dowel rods and transverse tie rods shall be SAE 1030.  
After fabrication the transverse tie assemblies (tie rods, nuts, washers  
and sleeves) shall be hot dipped galvanized in accordance with  
A.S.T.M. Designation A-153.  
Tie rods shall be G/A class wire rope with fiber core.  
The ultimate tensile strengths shall be 21400 lbs. for 1/2" diameter  
and 33000 lbs. for 3/4" diameter rods.  
Loss of prestress to be included in unit bid price. P.D. Concrete Bridge Deck.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL
Formwork Erection	CYRS			
Continuous Concrete Surface				
Course Subclass H1 (12")	Tons	35		
Concrete Removal	CYRS	1346	10.25	13800
Precast Prestressed Concrete	CU YDS	276	2.85	786
Bridge Deck	CU YDS	1728	1.45	2505
Handrail Concrete	CU YDS	63	1.45	91
Class X Concrete	CU YDS	152	3.80	578
Reinforcement Bars	LBS	680	2.00	1360
Gasometer Piles Sheel (12")	LINEAL FT.	675	1.00	675
Gasometer Piles Sheel (12")	LINEAL FT.	675	1.00	675
Waste Piles	CU YDS			
Protective Coat	SQ YDS	103	1.00	103
Bridge Deck	SQ YDS	418	1.00	418
Abutment Removal	SQ YDS			
Low Wall Replacement	SQ YDS			
Bridge Deck	SQ YDS			
Class A Expansion for Structure	CU YDS			
Structural Steel	LBS			

STA 436+75  
BUILT 196 BY  
STATE OF ILLINOIS  
30.12.116 SEC 116  
LOADING HS20

NAME PLATE  
See Plans

L.V.V. CLASSIFICATION  
CLASS 35  
M.R.H. 10

STRESSES

FIELD UNITS  
1. 1400 psi (Stress)  
2. 1000 psi (C/S)  
3. 20,000 psi (Bent (A-34))  
4. 75 psi (Figs)  
5 = 10

PRECAST PRESTRESSED UNITS

f' = 5000 psi  
f' = 4000 psi  
f's = 24000 psi (5 strands)  
f's = 173,600 psi (5 strands)  
LOADING HS20.44

DESIGNED BY: JML  
DRAWN BY: DJM  
CHECKED BY: MSW  
DATE: 12/09/05

FOR INFORMATIONAL  
USE ONLY  
(1965 PLANS)

GENERAL PLAN

SECTION 116 OVER FELKY SLOUGH

SECTION 116

LIVINGSTON COUNTY

STA 436+75

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION EXISTING PLANS F.A.P. 681 (IL116) OVER FELKY SLOUGH SECTION 113BR-2 LIVINGSTON COUNTY STATION 436+75.00 STRUCTURE NO. 053-0075 DESIGNED BY: JML DATE: 12/09/05	DRAWN BY: DJM CHECKED BY: MSW
NAME	DATE		