

END VIEW

44 - Untreated Timber Piles
Capacity - 20 Tons
Estimated Length 25 Ft.

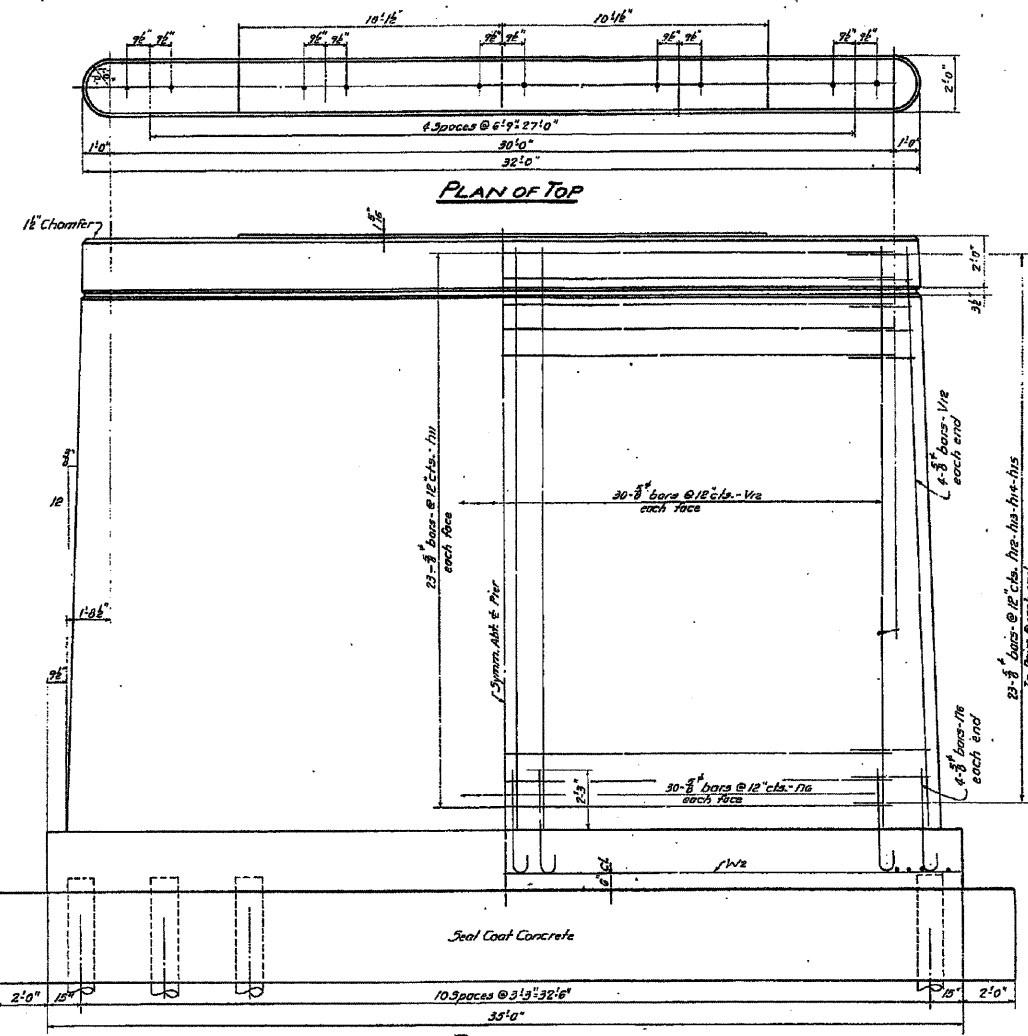
APPROVED: *[Signature]*
COUNTY SUPERVISOR OF HIGHWAYS

EXAMINED: *[Signature]*
ENGINEER

PASSED: *[Signature]*
CHIEF HIGHWAY ENGINEER

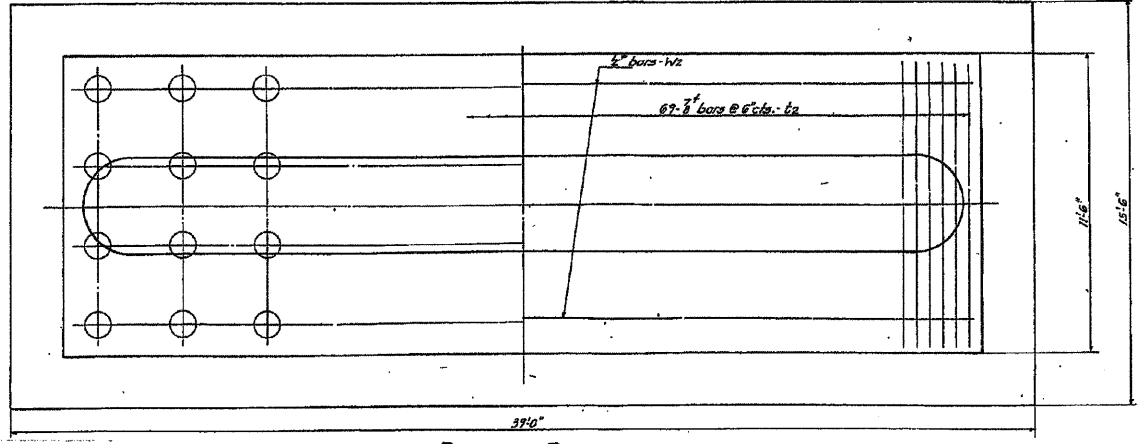
APPROVED: *[Signature]*
CHIEF HIGHWAY ENGINEER

Revised 11/1/45 - Cofferdam Pile Ham

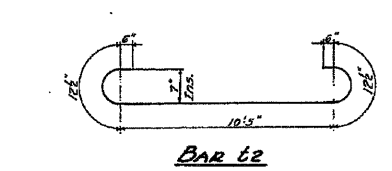


PLAN OF TOP

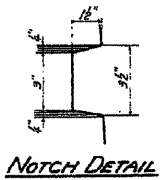
ELEVATION



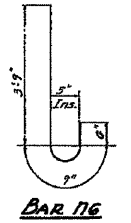
FOOTING PLAN



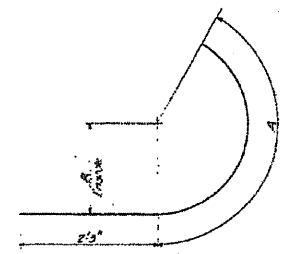
BAR 62



NOTCH DETAIL



BAR 116



BAR	R	A
112	0'-9 1/2"	2'-5"
110	1'-0"	2'-6"
114	1'-2 1/2"	2'-9"
118	1'-4 1/2"	3'-3"

DETAIL OF BARS
112-113-114-115

BILL OF MATERIAL - PIER 1

BAR	NO.	SIZE	LENGTH	BAR	NO.	SIZE	LENGTH
Vr	68	3/8"	22'-6"	111	46	3/8"	30'-0"
116	68	3/8"	5'-0"	112	24	3/8"	4'-6"
				110	24	3/8"	4'-9"
62	69	3/8"	13'-6"	114	20	3/8"	5'-0"
				118	20	3/8"	5'-6"
112	4	1/2"	18'-0"				

Class-A Concrete	Cu.Yds.	108.1
Reinforcement Bars	Lbs.	5800
Seal Coat Concrete	Cu.Yds.	84.5
Cofferdam for Pier 1	Each	1
Cofferdam Excavation	Cu.Yds.	370
Untreated Piles (Est. Lgth. 25 Ft.)	Lin. Ft.	1100
Timber Test Piles - Untreated	Each	1

PIER 1
KISHWAUKEE RIVER BRIDGE
PROJECT 5-64(3)
F.A.S. RTE. 88 S.A. RTE. 3
SECTION 75-B
WINNEBAGO COUNTY
STATION 86+57

ALFRED BENESECH & ASSOCIATES
CONSULTING ENGINEERS
38 EAST ADAMS ST. CHICAGO 3, ILL.

EXISTING DRAWING
STRUCTURE NUMBER 101-3100

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JOB NO. 03R1807
SHEET NO. 45
DATE 10/26/10
47 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5103	03-00337-00-BR	Winnebago	66	60
CONTRACT NO. 85523			ILLINOIS FED. AID PROJECT	

LAYOUT: LKR/SKM/08/23/10
 DRAWN: NGL/10/25/10
 REVIEWED: LKR/SKM/10/26/10
 10/25/2010
 A031060398007-Struct-Sheet-5045-End-Design