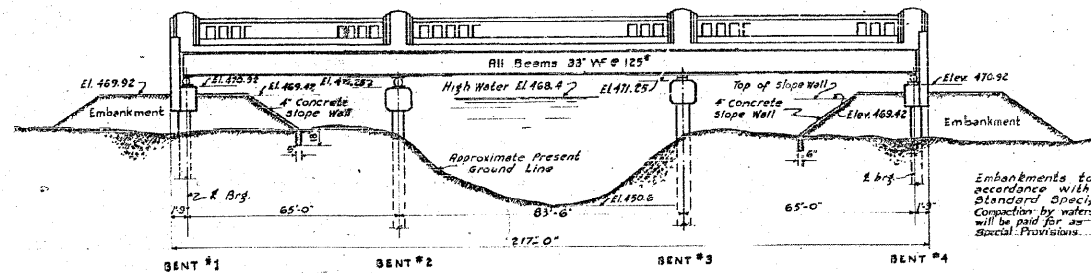


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

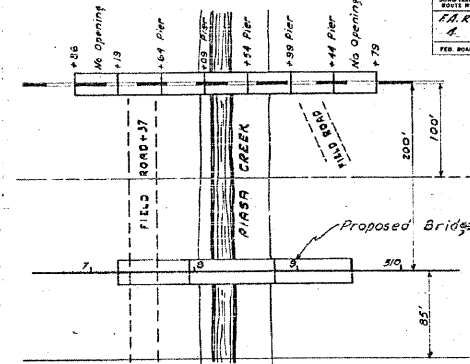
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

S.M. NAIL AND WASHER IN FOOT OF 24" ELM - 120' FT. LEFT
STATION 503+85 - ELEVATION 462.75
NO EXISTING STRUCTURE

ROAD DISTRICT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1A.R.P. 310	60-16-1-1B	MADISON	481	223
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT - 37C				



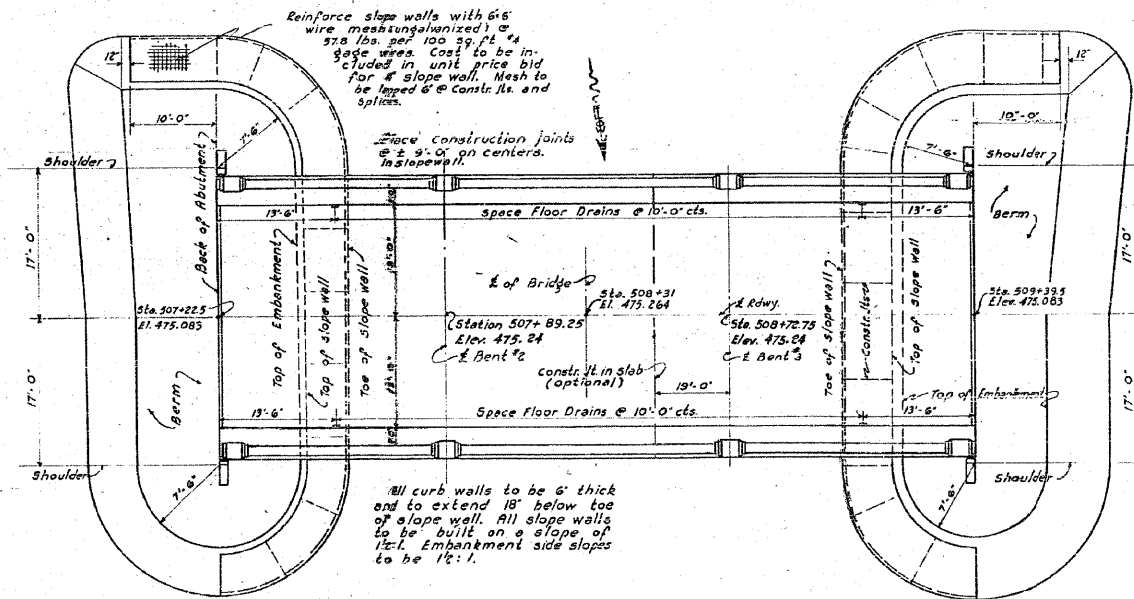
ELEVATION



LOCATION SKETCH

Embankments Estimated 1040 Cu Yds
To be placed as shown before
superstructure is placed. Material
to be taken from roadway excavation between stations
501+00 and 505+00. Estimated
Earth Excavation for Embank-
ments. 1240 Cu Yds.

Embankments to be placed in
accordance with Section 13 of the
Standard Specifications.
Comply with waterlogging, if required,
will be paid for as Extra Work. See
Special Provisions.



PLAN

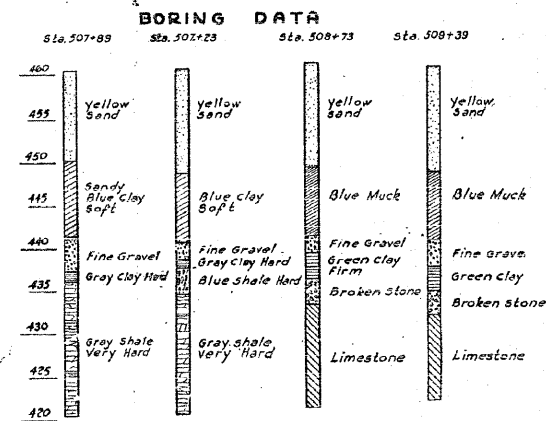
TOTAL BILL OF MATERIAL

ITEM	SUPER-STRUCTURE	SUB-STRUCTURE	TOTALS
Handrail Concrete	Cu Yds 16.2		16.2
Class X Concrete	Cu Yds 174.0	46.9	220.9
Reinforcement Bars	Lbs 48760	3420	52180
Structural Steel	Lbs 195,700		195,700
Slope Walls		320	320
Name Plate	Each one		one
16" Precast Conc. Piles (38"Ø) LinP		420	420
18" Precast Conc. Piles (38"Ø) LinP		560	560
Test Piles (18")	Each one		one
Test Piles (16")	Each one		one
Earth Excavation	Cu Yds 1240		1240

GENERAL NOTES

Class X Concrete shall be used thru-out.
The concrete floor shall be poured in
one continuous operation within the limits of
the construction joints shown and shall be
finished in accordance with Article 513 (e) of
the Standard Specifications.
Aggregate which is to be used in hand-
rails must be absolutely free of chert, flint,
limonite, lignite, and soft sandstone.
Rivets & Holes (if) except as noted. Tight fit
rivet bolts may be used in place of field
rivets as per specifications.
Structural Steel shall be painted one shop
coat of blue lead paint and two field coats
of white lead paint. Steel surfaces in contact
with concrete and contact surfaces of shop
connected steel shall not be painted. All
paint shall be furnished by the Department.
Inspection by the Illinois Division of
Highways before painting.
Bolters are included as structural steel.
See Special Provisions for painting material.
Welding shall comply with the Specifications
of the American Welding Society for Fusion
Welding of Highway and Railway Bridges.
Embankment around abutments shall be made
from roadway excavation before superstruc-
ture is placed.

The contractor shall drive two test piles
as directed by the Engineer before casting the
remainder of piling.
Anchor Bolts to be set before erecting
diaphragms



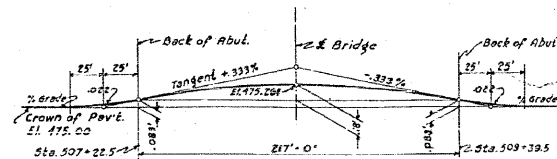
Note: Boring data is shown only as a guide
to bidders in estimating soil conditions which
may be encountered in the work.
Borings are taken on 2' of Roadway.

PROJECT 37-C
PIASA CREEK BRIDGE
FA. RTE. 4 - SEC. 239-B
JERSEY COUNTY
STATION 508+31

WATERWAY INFORMATION

DRAINAGE AREA	28,350 ACRES
ASSUMED C IN TALBOT'S FORMULA	0.75
EFFECTIVE OPENING BELOW HIGH WATER	
OPENING REQUIRED BY FORMULA	1638'
PROPOSED OPENING	1765'

COMPUTED	N. J. Wheeler	EXAMINED	R. S. - 338
CHECKED	P. B. Grewell	PASSED	J. T. S. - 338
DRAWN	N. J. W. C. L. HAZARTY	APPROVED	[Signature]
CHECKED	P. D. F.	APPROVED	[Signature]
SPECIAL	ASSEMBLED	APPROVED	[Signature]
CHECKED			



CAMBER DIAGRAM

1-20 Loading

DESIGNED	JMB
CHECKED	TES
DRAWN	R KING
CHECKED	TES

HOMER L. CHASTAIN & ASSOCIATES, LLP
CONSULTING ENGINEERS
DECATUR (217) 422-8544
CHICAGO (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

FOR INFORMATION ONLY

FAP ROUTE 310 (US 67)
SECTION 60-16-1-1B
MADISON COUNTY

SHEET NO. 4	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	310	60-16-1-1B	MADISON	481	223
OF 5 SHEETS		FAP ROUTE 310 (US 67)		CONTRACT NO. 76318	
		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		