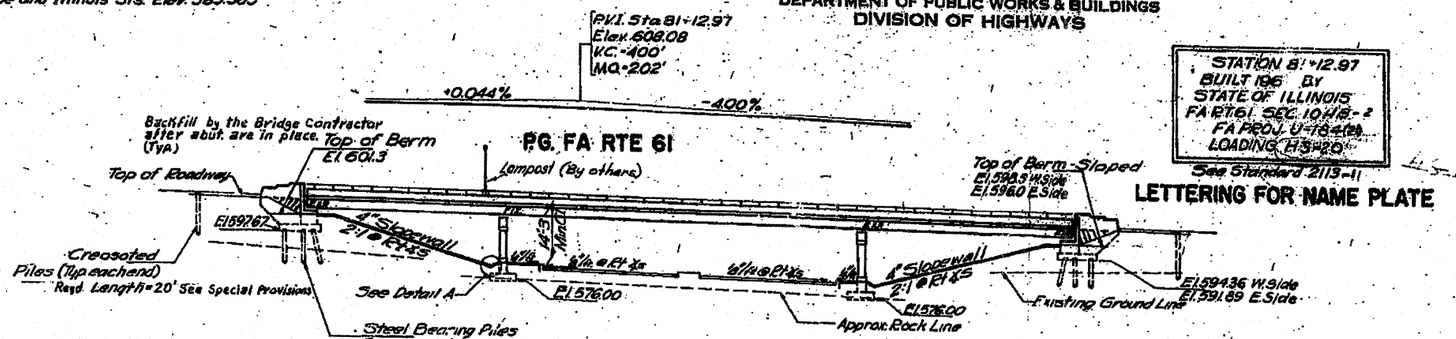
Bench Mark No. 468: Top of Ring (for chains to caps on outlets) on Fire Hydrant S. Side Hyd, N.W. Corner Munroe and Illinois Sts. Elev. 583.365

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

SHEETS INC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
GEN PLAN ELEV	2-SBR	WILL	197	135
PROJ. GRADE SHEET NO. 2	ILLINOIS	PROJECT	U-184(21)	

SHEET NO. 1
SHEETS 10

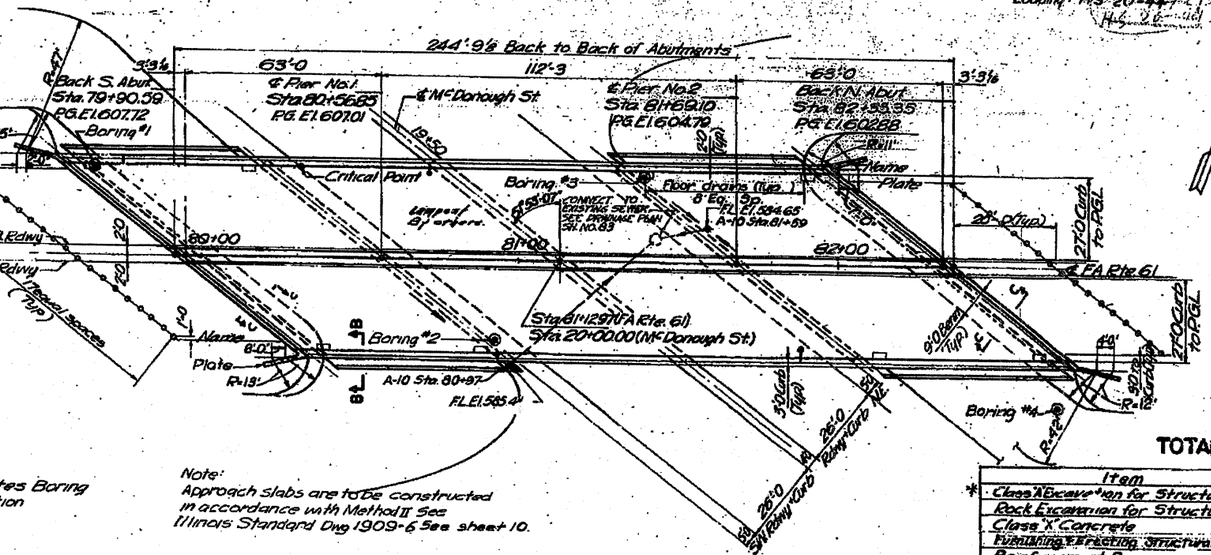


DESIGN STRESSES

Reinforced Concrete
- f_c = 3,500 psi
- f_s = 20,000 psi
- n = 10
- f_c = 1,400 psi (without Earth Pressure
- f_c = 1,000 psi (with Earth Pressure)
- v_c = 90 psi (without Earth Pressure)
- v_c = 75 psi (with Earth Pressure)

Structural Steel
- f_s = 20,000 psi (ASTM A36)

Loading: HS 20-44



◉ Denotes Boring Location

Note:
Approach slabs are to be constructed in accordance with Method II See Illinois Standard Dwg 1909-6 See sheet 10.

PLAN

FOR INFORMATION ONLY

DESIGNED	G.M.N.
CHECKED	C.S.
DRAWN	G.M.N.
CHECKED	H.S.P.

Prepared and recommended by Blauvelt Engineering Co. Structural Engineer
*81-2251
Chas. A. Wenzinger

Revised: Change Long. of Conc. Piles from 22'-0 to 20'-0 2-27-63 Change Num. & Driving Cre. Timber Piles from 792 to 720 Lin. Ft. VDS

GENERAL NOTES

Class X Concrete shall be used throughout. Coarse aggregate used in parapets and end posts shall be free of chert, flint, limonite, lignite and soft sandstone.

The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.

All welding shall comply with the requirements of the Standard Specifications for Welded Highway and Railway Bridges, of the American Welding Society.

All Rockers, Bolsters, Bearing Plates, Lead Plates, Pintles, and Anchor Bolts shall be fabricated and set in accordance with Article 51.15. of the Standard Specifications and are included in quantity of Structural Steel.

Anchor Bolts shall be set before connecting diaphragms over support. Space reinforcing to miss Anchor Bolts.

Expansion guards and plates shall be fabricated and erected in accordance with Article 51.13(d) of the Standard Specifications and are in quantity of Structural Steel.

Except as otherwise provided all Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.

All surfaces of expansion guards inaccessible after erection shall be given two shop coats of red lead paint. The ¾"ø welded studs shall not be painted.

The Contractor shall drive two(2) test piles in permanent locations as directed by the Engineer, before ordering remainder of piles. One each of either one of the East and West Abutments.

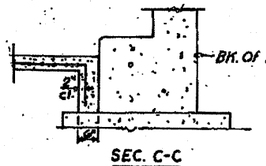
No rock larger than 3" shall be placed in fills in the area where piles are to be driven.

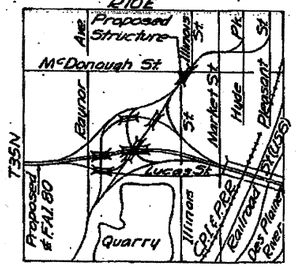
All steel bearing piles are to be driven to refusal.

Rivets shall be ⅞"ø with ⅞₁₆"ø open holes unless noted.

Structural steel shall conform to the specifications for structural steel, ASTM - A36.

P10E





LOCATION PLAN

Note:- Excavation for portions of structure in the embankment shall not be classified.

TOTAL BILL OF MATERIALS

Sec. 10 Str. 7

Item		Unit	Super	Sub	Total
*Class 'A' Excavation for Structures		Cu. Yd.	——	361	361
Rock Excavation for Structures		Cu. Yd.	——	27	27
Class 'X' Concrete		Cu. Yd.	496.0	594.8	1090.8
Furnishing & Erecting Structural Steel		Lb.	608,970	——	608,970
Reinforcement Bars		Lb.	118,500	57,770	176,270
Fur. Crea. Piles up to 20 ft.		Lin. Ft.	——	720	720
Driving Timber Piles		Lin. Ft.	——	720	720
Furnishing Steel Piles 10BP42		Lin. Ft.	——	1040	1040
Test Piles Steel 10BP42		Each	——	2	2
Driving Steel Piles		Lin. Ft.	——	1040	1040
Name Plates		Each	2	——	2
Slopewall 4"		Sq. Yd.	——	1134	1134
Aluminum Handrail		Lin. Ft.	483	——	483
Bridge Seat Sealant		Lump Sum	——	0.1	0.1
Protective Coat		Sq. Yd.	1880	——	1880

*Includes excavation for Slope Walls
**Approx. at abutments.

Rev. 12-19-62 Prot. Coat - 1880 Sq. Yd. G.F.M.

12-1-64 J.M.J. Rev. class x conc. 1030.4 to 1070.8 cu yds., rein bars from 168,170 to 176,270 Slope wall from 810.2 to 1134 sq. yds. & added bridge seat sealant.

GENERAL PLAN & ELEVATION
FA 61 OVER
McDONOUGH STREET
FA 61 STA. 81+12.97

FA ROUTE 61 — PROJECT U-184(21)
SECTION 10 Str 7 — WILL COUNTY
Type: — Scale: NO SCALE — Date: NOV 30, 1961

BLAUVELT ENGINEERING CO.
CONSULTING ENGINEERS
WOODBURY, N. J. — NEW YORK, N. Y. — CRYSTAL LAKE, ILL.

FILE NAME = c:\pw_work\PWIDOT\TINIAKOSMV\d0101671\1-00-01.dgn	USER NAME = tiniakosmv	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = 3/11/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTER ST. OVER U.S. 52 (McDONOUGH)
GENERAL PLAN, ELEVATION AND CROSS SECTION
SN 099-0186

SCALE: — SHEET NO. 1 OF 2 SHEETS — STA. — TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(10&1-D-2) RS-4	WILL	36	14
		CONTRACT NO. 62778		
		ILLINOIS FED. AID PROJECT		