

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 51
OF 51 SHEETS

GENERAL NOTE:
 1. All dimensions shall be in feet and inches unless otherwise noted.
 2. The contractor shall be responsible for verifying all dimensions and conditions in the field prior to construction of the structure.
 3. The contractor shall use the following materials: Class A concrete, A-36 steel, and 60,000 psi reinforcement steel.
 4. The basic lead zinc chromate paint system shall be used for two coats of shop painting of structural steel.
 5. Protective coat shall be applied to all steel to which lead zinc chromate paint is not applied.
 6. The contractor shall drive one steel test pile of Pier 3 in a permanent location as directed by the Engineer before ordering the remainder of piles.

ELEVATION

PLAN

DESIGN STRESSES

DESIGN STRESS	FIELD UNITS
CAST-IN-PLACE CONCRETE	4000 PSI
REINFORCEMENT STEEL	60,000 PSI
STEEL	36,000 PSI

LOADING HS 20-44

TOTAL BILL OF MATERIAL

Item	Unit	Quantity	Price	Total
Class A Concrete	Cu Yds	107	107.00	11449.00
Structural Steel	Lbs	1710	1.10	1881.00
Reinforcement Bars	Lbs	14,640	1.00	14640.00
Steel Piles	110"	1	4600.00	4600.00
Test Piles Steel	110"	1	1100.00	1100.00
Class Concrete Encasement	Cu Yds	20.7	20.70	218.49
Repair Concrete Structures	Sq Ft	20	20.00	400.00

DESIGNED: J.M. Burt
CHECKED: A.L. Whang
DRAWN: J.M. Burt
CHECKED: S.Y. H.

REVISIONS

NO.	DESCRIPTION	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING STRUCTURE OVER CANAL NO. 1
 FAP ROUTE 592 (IL 13/157)
 SECTION 28BR-2,3
 ST. CLAIR COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

FOR INFORMATION ONLY

PLOT DATE = 2/28/2007
 FILE NAME = c:\projects\11851\plan\11851a2.dgn
 PLOT SCALE = 28.80000 7 / IN.
 USER NAME = gelinh