STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DESIGN SPECIFICATIONS

2002 A.A.S.H.T.O. Specifications & Supplements

DESIGN STRESSES

Precast Units fy = 60,000 psi f'c = 5,000 psi (Precast)

Field Units fy = 60,000 psi (Reinforcement) $fy = 50,000 \ psi \ (AASHTO \ M270 \ Gr. \ 50)$

TOTAL BILL OF MATERIALS

DESCRIPTION	UNIT	QTY.
Structure Excavation	Cu. Yd.	1,128
Name Plates	Each	1
Pipe Underdrains for Structures 4"	Foot	659
Concrete Gutter, Type A (Modified)	Foot	658.7
Furnishing Soldier Piles (W Section)	Foot	1,655
Geocomposite Wall Drain	Sq. Yd.	900
Drilling & Setting Soldier Piles (In Soil)	Cu. Ft.	1,503
Drilling & Setting Soldier Piles (In Rock)	Cu. Ft.	3,834
Retaining Wall (Special)	Sq. Ft.	8,881
Staining Concrete Structures	Sq. Yd.	800

GENERAL NOTES

Reinforcement Bars shall conform to the requirements of ASTM A706 Gr 60. See Special Provisions.

Concrete shall be painted in accordance with special provisions. The color shall be selected by the engineer.

Metal Structures.

After placement of bottom precast panel, fill must be placed equally on both sides in order to continue construction of wall and place additional panels. Backfill at front face of wall must be at finished grade.

All form liners required for the precast concrete panels are included in the pay item. "Retaining Wall (Special)".

Method used for cutting piles to their final length shall result in a smooth and neat appearance. Jagged edges shall not be acceptable.

LEFT STATION 709+10 TO 715+65 BUILT 20___ BY STATE OF ILLINOIS F.A.P. RTE. 742 SEC. 37R-4 STRUCTURE NO. 071-7003

> NAME PLATE See Std. 515001

DESIGNED	JMW
CHECKED	DFM
DRAWN	СТН
CHECKED	DFM

Reinforcement bars designated (E) shall be epoxy coated.

Exposed steel wide flange/pile shall be painted with an inorganic zinc rich primer/acrylic/acrylic paint system for shop and field painting except for portions located more than 4 feet below the finished grade at the front face of the wall. The finished coat shall be only applied to the exposed surfaces of the steel piles after the concrete panels have been installed. The color of the final finish coat shall be approved by the Resident Engineer and Project Engineer. See special provisions for Cleaning and Painting New

Installation of the name plate shall be in accordance with Highway Standard 515001-03 and Article 515 of the Standard Specifications. The location of the name plate to be determined by the Resident Engineer.

GENERAL NOTES & TOTAL BILL OF MATERIALS STRUCTURE NO. 071-7003

SHEET NO. 4	F.A.P. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.		
	742 37R-4		OGLE	867	203		
13 SHEETS	CONTRACT NO. 64E17						
	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT						