SHEET NO. 1 OF 13 SHEETS

## SECTION COUNTY 2661 00-00095-11-BR LAKE 28 GENERAL PLAN AND ELEVATION C-91-169-00 ILLINOIS

## GENERAL NOTES

CONTRACT NO. 83789 Reinforcement bars shall conform to the requirements of AASHTO M31, M42 or M53 Grade 60. Layout of slope protection system may be varied in the field to suit ground condition as directed by the Engineer.

The Contractor shall drive one (1) steel HP12 x 53 test pile in a permanent location at both Abutments as directed by the Engineer before ordering the remainder of piles.

Fasteners shall be high strength bolts. Bolts  $^{7}_{8}$  " $^{6}$ , open holes  $^{15}_{16}$  " $^{6}$ , unless otherwise noted. Calculated mass of Structural Steel = 75,780 lbs (M270 Grade 50)

The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the tension flanges and web.

Field welding of construction accessories will not be permitted to the bottom flange of girders. Field welding in other areas will be permitted only when approved by the Engineer. The Inorganic zinc rich primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of

new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Blue, Munsell No. 10B-3/6. See Special Provision for "Cleaning and Painting New Metal Structures".

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

Anchor bolts shall be set before bolting diaphragms over supports. All exposed concrete edges shall have a  $^34''$  x 45 deg. chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.

Do not scale dimensions for construction, scale applies only to full size drawings.

No construction joints except those shown on the plans will be allowed unless ordered by the Engineer. After the airders are set, all elevations for determining fillet heights shall be taken at one time. Contractor to protect all utilities during construction. See Plan and Profile sheet in Roadway Plans for further information.

Excavation behind existing abutment walls shall be done before removing the existing superstructure. The Contractor shall sawcut the existing abutments at the stage removal line before Stage I removal. all construction joints shall be bonded.

## TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.		898	898
Porous Granular Embankment	Cu. Yd.		189	189
Stone Riprap, Class A4	Sq. Yd.		506	506
Filter Fabric for use w/Riprap	Sq. Yd.		527	527
Gabions	Cu. Yd.		21	21
Removal of Existing Structure	Each	1		1
Structure Excavation	Cu. Yd.		225	225
Concrete Structures	Cu. Yd.		35.4	35.4
Concrete Superstructure	Cu. Yd.	112.3		112.3
Bridge Deck Grooving	Sq. Yd.	325		325
Concrete Handrail	Cu. Yd.	15.6		15.6
Protective Coat	Sq. Yd.	419		419
Furnishing & Erecting Structural Steel	Pound	75,780		75,780
Stud Shear Connectors	Each	1134		1134
Reinforcement Bars, Epoxy Coated	Pound	25,110	3580	28,690
Furnishing Steel Piles - HP12x53	Feet		864	864
Driving Steel Piles	Feet		864	864
Test Piles Steel HP12x53	Each		2	2
Temporary Sheet Piling	Sq. Ft.		1573	1578
Name Plates	Each	1		1
Bar Splicers	Each	321	12	333

STATION 116+60 BUILT 20\_\_ BY LAKE COUNTY HUNT CLUB ROAD (CO. HW. 15) SECTION 00-00095-11-BR LOADING HS20-44 STR. NO. 049-3072

NAME PLATE See Std. 515001

LOCATION SKETCH

GENERAL PLAN AND ELEVATION STAGE CONSTRUCTION DETAILS TOP OF SLAB ELEVATIONS SUPERSTRUCTURE

INDEX OF SHEETS

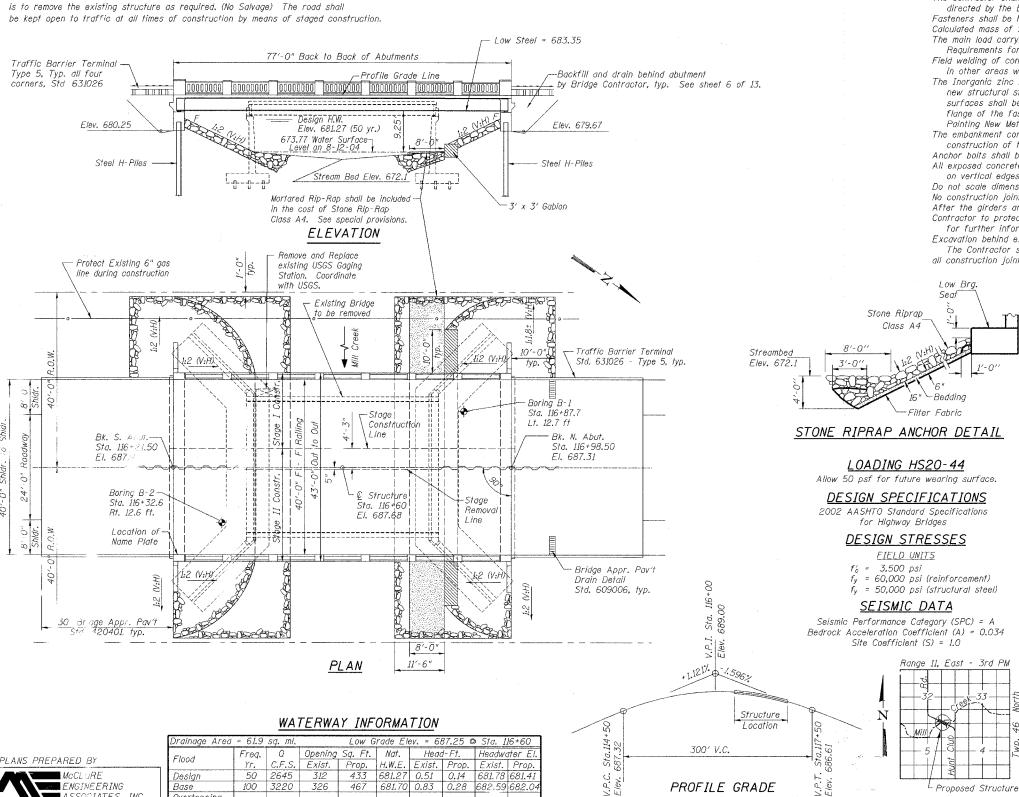
SUPERSTRUCTURE DETAILS DIAPHRAGM DETAILS FRAMING PLAN AND DETAILS

SOUTH ABUTMENT DETAILS NORTH ABUTMENT DETAILS ANCHOR BOLT DETAILS

10. TEMPORARY CONCRETE BARRIER

12. BAR SPLICER DETAILS BORING LOGS

GENERAL PLAN AND ELEVATION HUNT CLUB ROAD OVER MILL CREEK SECTION 00-00095-11-BR LAKE COUNTY STATION 116+60.00 STRUCTURE NO. 049-3072



DEPARTMENT OF TRANSPORTATION

ALONG & ROADWAY

Overtopping

Max. Calc

Elevation = 686.12 Sta. 116+39.7, 17' Left

S.N. 049-3016, Estimated to have been constructed in 1949 consists of one

steel beam span with 7" concrete deck and vertical concrete abutments. The

structure length is approximately 42 ft. Bk. to Bk. of abutments. The contractor

EXISTING STRUCTURE: