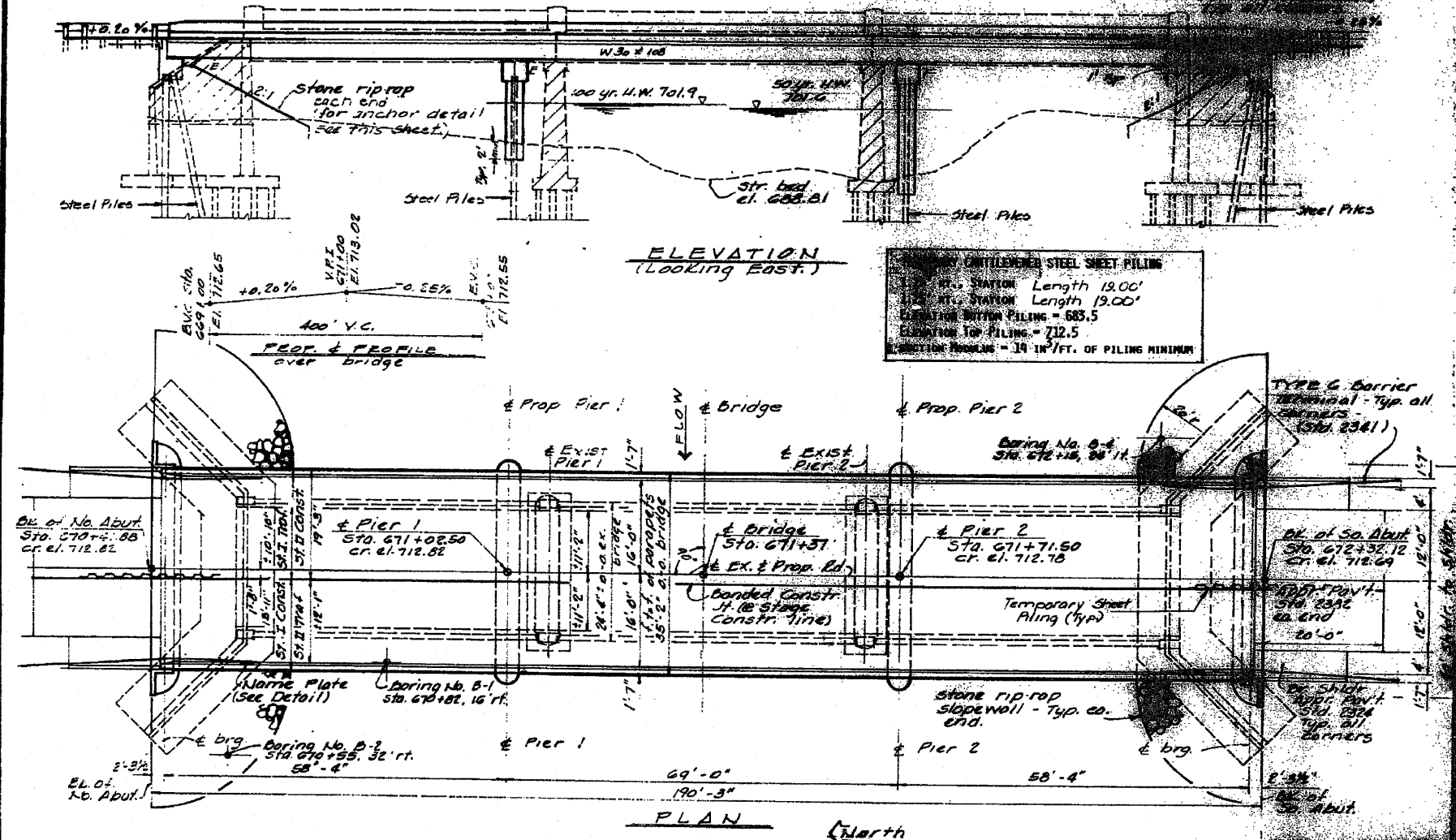


DM - CDISE120 10-2-W WIDGMAH - E16V-112-17
 Existing bridge - 3 span w/4 R.C. Deck girders in each span.
 Solid concrete abutments and 2 solid concrete piers.
 Reinforcing concrete slab w/4" R.C. wearing surface and
 2" asphalt overlay. SN-037-0095 No Salvage.

FOR INFORMATION ONLY



THE CONTRACTOR SHALL DRIVE ONE (1) STEEL PILE BEHIND EACH LOCATION AT PIER 1 AND ONE (1) STEEL PILE BEHIND EACH LOCATION AT PIER 2 AS INDICATED BY THE THE DIMENSIONS SHOWN THE DIMENSIONS OF THE PILE.

LAYOUT OF THE STEEL RIPPAP SHALL BE SHOWN IN THE PLAN VIEW THE EXISTING BRIDGE CONSIDERING AS DESCRIBED BY THE CONTRACT REQUIREMENTS SHALL COMPLY TO THE REQUIREMENTS OF AASHTO N-11, N-12 AND N-23, BRIDGE 10.

BEARING SURFACES SHALL BE CONSTRUCTED OR ADJUSTED TO THE INDICATED ELEVATIONS WITHIN A TOLERANCE OF 1/8" INCH. ADJUSTMENTS SHALL BE MADE BY GRINDING THE SURFACE OR BY OTHER MEANS FOR 2" OVER ADJUSTING SURF. OF THE DIMENSIONS OF THE BEARING PLATE SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO THE PLATES SHOWN. FOR THE TYPE I ELASTOMERIC BEARINGS, THE DIMENSIONS OF THE TOP PLATE SHALL BE PROVIDED AND THE FASTENERS SHALL BE HIGH-STRENGTH BOLTS. BOLTS SHALL BE 1/2" OVER DIAMETER (1 1/2" DIA.) UNLESS OTHERWISE NOTED ON THE PLANS. THE ZINC-SILICATE AND VINYL PAINT SYSTEM SHALL BE USED FOR THE AND THE FIELD PAINTING OF STRUCTURAL STEEL EXCEPT WHERE NOTED.

FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED. THE BOTTOM FLANGES OF THE BEAMS NEAR TO THE TOP FLANGES OF THE SUPPORTS SHALL BE WELDED TO 1/8" THE SPAN LENGTH EACH WAY FROM THE SUPPORTS. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED WITH THE APPROVAL OF THE ENGINEER.

ANCHOR BOLTS SHALL BE SET BEFORE BOLTING DIAPHRAGMS OVER THE STRUCTURAL STEEL BEARING PLATES OF THE ELASTOMERIC BEARINGS. ACCESSORIES SHALL COMPLY TO THE REQUIREMENTS OF AASHTO N-11. THE MAIN LOAD CARRYING MEMBER COMPONENTS SUBJECT TO TENSILE SHALL COMPLY TO THE STRUCTURAL REQUIREMENTS FOR NOTCH TENSILE ZONE 2. THESE COMPONENTS ARE THE WIDE FLANGE BEAMS AND ALL PLATE MATERIAL OF THE BEAMS.

CALCULATED WEIGHT OF THE STRUCTURAL STEEL:
 11,185 = 153,030 lb.
 11,185 x 50 = 642 lb.

The information shown for the Temporary Sheet Piling is estimated. It is the contractor's responsibility to provide a thorough examination of the Temp. Sheet Piling & associated members, if any, subject to the approval of the Engineer.

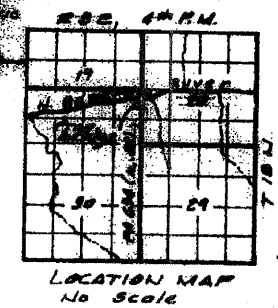
WATERWAY INFORMATION
 Drainage Area - 43.42 sq. mi. Low grade elev. - 710.68 @ Sta. 660+68

| Flood | Frag. Yr. | Q | Opening - 37' Nat. | | Head of | | Headwater Elev. | | |
|-------------|-----------|------|--------------------|-------|---------|--------|-----------------|--------|--------|
| | | | EXIST. | PROP. | H.W.E. | EXIST. | PROP. | EXIST. | PROP. |
| Design | 50 | 4289 | 971 | 1019 | 701.6 | 0.60 | 0.42 | 702.20 | 702.02 |
| Base | 100 | 4899 | 1016 | 1068 | 701.9 | 0.88 | 0.68 | 702.78 | 702.53 |
| Overlapping | | | | | | | | | |
| Max. calc. | 500 | 6304 | | 1155 | 702.3 | | 1.20 | | 703.50 |

DESIGN SPECIFICATIONS

| | |
|---------------|--|
| fc | 5000 psi |
| fy (rebar) | 60,000 psi |
| fy (steel) | 50,000 psi (AASHTO 170.07) |
| Design Specs. | ASCE 11.10, 11.11, 11.12, 11.13, 11.14, 11.15, 11.16, 11.17, 11.18, 11.19, 11.20, 11.21, 11.22, 11.23, 11.24, 11.25, 11.26, 11.27, 11.28, 11.29, 11.30, 11.31, 11.32, 11.33, 11.34, 11.35, 11.36, 11.37, 11.38, 11.39, 11.40, 11.41, 11.42, 11.43, 11.44, 11.45, 11.46, 11.47, 11.48, 11.49, 11.50, 11.51, 11.52, 11.53, 11.54, 11.55, 11.56, 11.57, 11.58, 11.59, 11.60, 11.61, 11.62, 11.63, 11.64, 11.65, 11.66, 11.67, 11.68, 11.69, 11.70, 11.71, 11.72, 11.73, 11.74, 11.75, 11.76, 11.77, 11.78, 11.79, 11.80, 11.81, 11.82, 11.83, 11.84, 11.85, 11.86, 11.87, 11.88, 11.89, 11.90, 11.91, 11.92, 11.93, 11.94, 11.95, 11.96, 11.97, 11.98, 11.99, 12.00 |

APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
James J. [Signature]



GENERAL PLAN & ELEVATION

PROJECT:
 ROUTE 70-634 (IL 82)
 SECTION: 2003N-1, over North Branch of
 [River Name]
 COUNTY: [County Name]
 DRAWING: 071-37

| | | | | | | | | | | | |
|---|--------------------------------------|------------|-----------|---|---|--------------------|-----------------------------|--------------------------|---------------------------|-----------|--|
| FILE NAME = | USER NAME = linkdj | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | Existing Bridge Plans Structure No. 037-0137 | F.A. - | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| 0:\BR\Bridg Painting\Contracts\PAINTING\64688\PL\Widg.dgn | PLOT SCALE = 50.0000 / IN. | DRAWN - | REVISED - | | | var | D2 Bridge Painting 2011-2 | Various | 25 | 9 | |
| | PLOT DATE = Sat Jan 22 07:11:18 2011 | CHECKED - | REVISED - | | | SCALE: _____ | SHEET NO. ___ OF ___ SHEETS | STA. _____ TO STA. _____ | ILLINOIS FED. AID PROJECT | | |
| | | DATE - | REVISED - | | | CONTRACT NO. 64688 | | | | | |