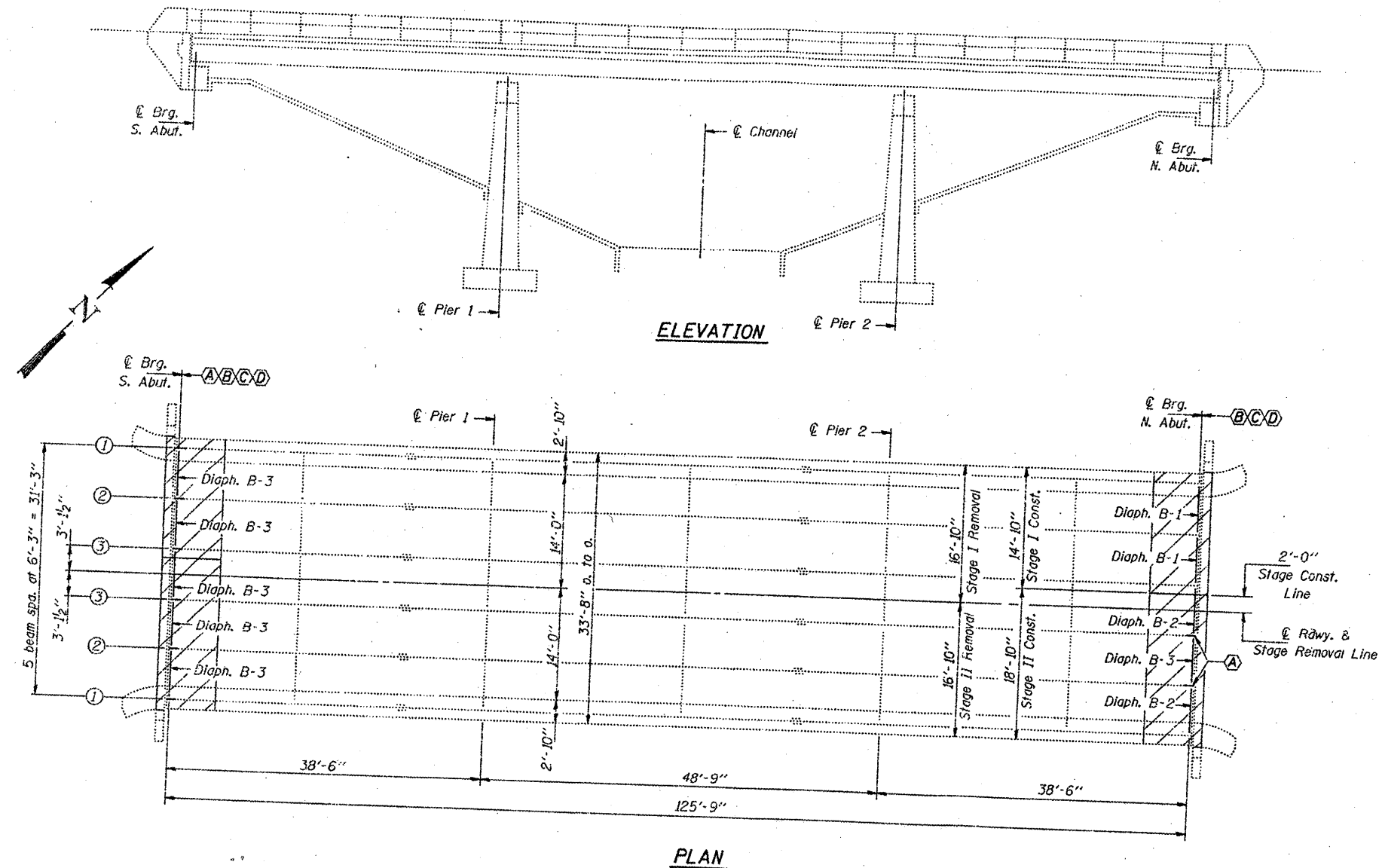
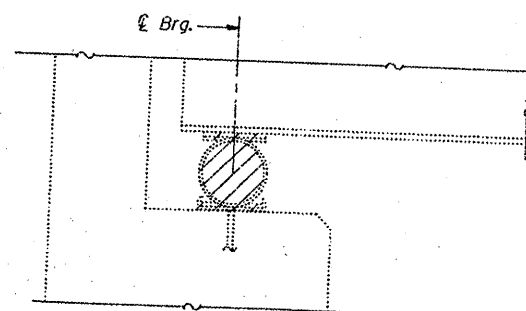


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VARIOUS ROUTES
D9 BRIDGE PAINTING FY 09-1
VARIOUS COUNTIES
CONTRACT 78093
FOR INFORMATION ONLY
SHEET 7 OF 31



- Notes: (A) Existing Beam ends to be repaired.
(B) Replace end diaphragms.
(C) Remove and replace existing bearings.
(D) Existing expansion joint to be removed and replaced.
Cross-hatching indicates Concrete Removal.



Minimum jack capacity shall be 15 Tons.
Before installing the new bearings, remove the top plate of the existing bearing assembly from the bottom flange using the air-arc method and grind smooth all weld material remaining on the bottom flange. Burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolt smooth and seal with epoxy.
Cost is incidental to "Jack & Remove Existing Bearings".

GENERAL NOTES

All new structural steel shall conform to AASHTO Classification M-270 Gr. 36.
All new fasteners shall be high strength bolts. Holes shall be subpunched or subdrilled $\frac{1}{16}$ " and reamed in the field to $\frac{1}{16}$ " for $\frac{3}{4}$ " high strength bolts (except as noted on the plans) after new structural steel sections are properly fitted into position.
Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53 Grade 60.
Prior to pouring the new concrete for the deck, all loose rust, loose mill scale, and all other foreign material shall be removed from the embedded portions of flanges of beams. The removal shall be accomplished in accordance with the requirements of the SSPC Surface Preparation Specifications SP3 for Power Tool Cleaning or SP2 for Hand Tool Cleaning. Cost shall be incidental to Concrete Removal.
The Contractor will be required to mark, on the top of the concrete deck, the location of the top flange of the steel beams prior to any removal of the concrete bridge deck. Saw cutting directly over the top of the beam is not permitted.
Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost incidental to "Concrete Removal".
Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
Existing Structural steel shall only be cleaned and painted as required by the Special Provision "Cleaning and Painting Adjacent Areas of Existing Steel Structures".
The inorganic zinc-silicate/acrylic/acrylic paint system shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the acrylic finish coat shall be Light Grey, Munsell No. 10Y 7/L. See Special Provisions.
Removal of all damaged members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be considered incidental to the contract.
Traffic control shall be determined by the District.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	15.2
Concrete Superstructure	Cu. Yd.	15.2
Furnishing and Erecting Structural Steel	Pound	7550
Elastomeric Bearing Assembly Type I	Each	6
Elastomeric Bearing Assembly Type II	Each	6
Jack and Remove Existing Bearings	Each	12
Reinforcement Bars, Epoxy Coated	Pound	2290
Traffic Control # Prot 2309	L.S.	1
Polymer Modified Portland Cement Mortar	Cu. Ft.	21
Stud Shear Connectors	Each	216

DESIGNED *Nicholas J. Lovell* DECEMBER 8 19 94
CHECKED *Kenneth P. Stultz* EXAMINED *Paul E. Hamm*
DRAWN *D-herbert* PASSED
CHECKED *NJS KPS*

BRIDGE REPAIRS
F.A. RTE. 35 (IL 146) SEC. 11-B-1
OVER HOSICK CREEK
HARDIN COUNTY
S.N. 035-0011