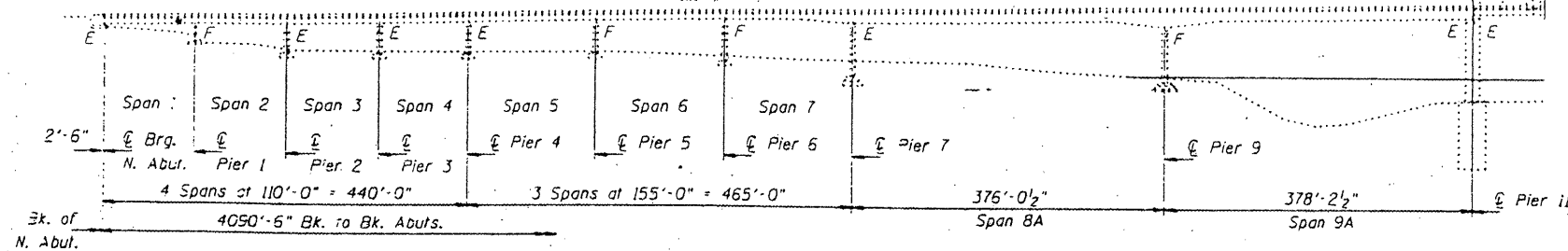
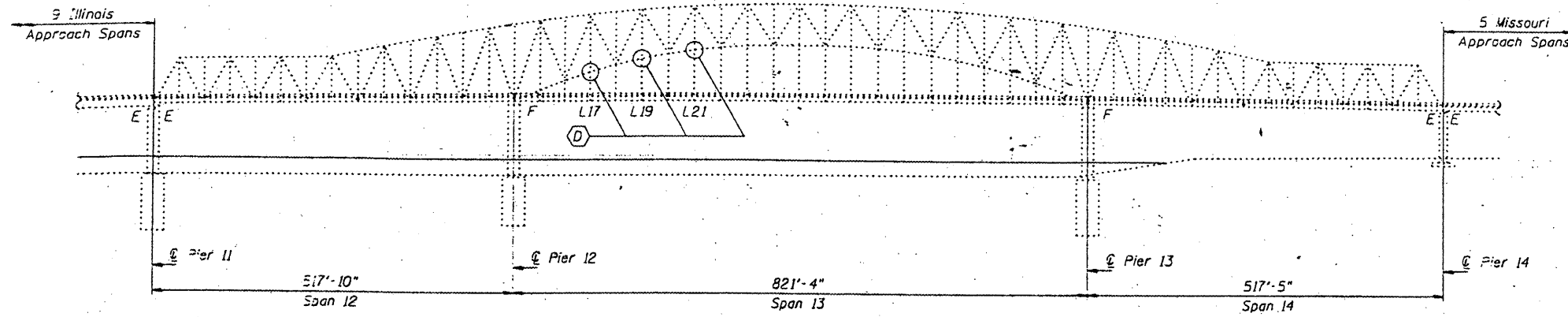


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

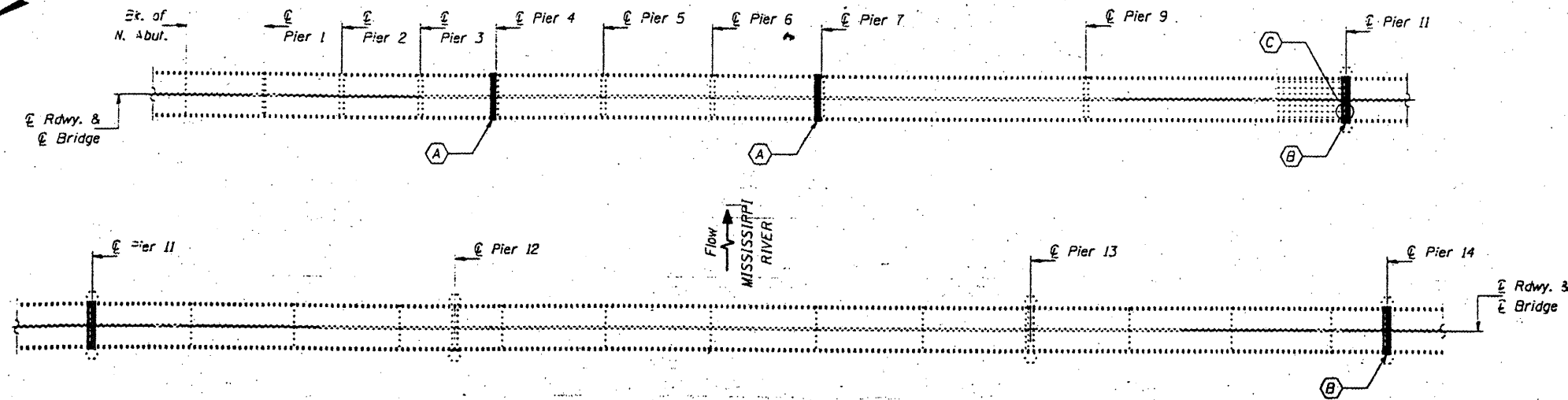
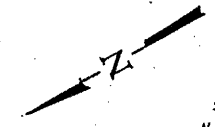
CONTRACT: 78040  
ROUTE: F.A.I. 57  
SECTION: (02-1B-1)P-1  
COUNTY: ALEXANDER, IL; MISSISSIPPI, MO  
SHEET 57 OF 67  
FOR INFORMATION ONLY



All new structural steel Gr. 36, unless otherwise noted.  
Calculated weight of AASHTO M-270, Grade 36 Structural Steel = 37,170 Lbs.  
Calculated weight of AASHTO M-270, Grade 50 Structural Steel = 184,310 Lbs.  
Fasteners shall be high strength bolts. Bolts 3/4", open holes 1 1/8".  
Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53 Grade 60.  
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.  
Finger Plate Expansion Joints shall be assembled in the proper position with the ends in place and shall be left assembled for shop inspection.  
The finger plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.  
Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.  
Prior to pouring the new concrete deck, all loose rust, loose mill scale and other loose potentially detrimental foreign material shall be removed from the surfaces of the beams or girders in contact with concrete. The cost of this work will be included in the pay item covering removal of the existing concrete. All heavy rust and other tightly adhered potentially detrimental foreign matter shall also be removed from the surfaces of the beams or girders in contact with concrete. Tightly adhered paint may remain unless otherwise noted. This removal shall be accomplished by methods that will not damage the steel. The cost of this work will be paid for according to Article 109.04 of the Standard Specifications.  
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 existing structural steel coating contains lead. The Contractor should take appropriate precautions to deal with the presence of lead on this project.  
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 acrylic finish coat shall be Interstate Green, Munsell No. 7.5G 4/B. See Special Provision for "Cleaning and Painting New Metal Structures".  
The SSPC-OP1 Painting Contractor Certification will not be required for this bridge.



**PARTIAL ELEVATION**  
(Looking East)



**PARTIAL DECK PLAN**

- (A) Remove existing Modular Joint and replace with new Neoprene Expansion Joint, North & South Bound Lanes.
- (B) Remove existing Finger Plate Joint and replace with new Finger Plate Joint. Replace existing transverse members and install new transverse members for support of the new finger plate stools, North & South Bound Lanes.
- (C) Repair 5" crack in Girder G6 & replace Bearing at Girder 6, Span 9A.
- (D) Sway Frame Repair Locations.

**BILL OF MATERIAL**

| ITEM                                     | UNIT     | QUANTITY |
|--|----------|----------|
| Concrete Removal                         | -Cu. Yd. | 52.1     |
| Concrete Superstructures                 | Cu. Yd.  | 54.0     |
| Reinforcement Bars, Epoxy Coated         | Pound    | 14,880   |
| Mechanical Splice                        | Each     | 1,232    |
| Furnishing and Erecting Structural Steel | L.S.     | 1        |
| Structural Steel Repair                  | Pound    | 800      |
| Neoprene Expansion Joint (9")            | Foot     | 130      |
| Fabric Reinforced Elastomeric Trough     | Foot     | 127      |
| Drainage System                          | L.S.     | 1        |
| Protective Coat                          | Sq. Yd.  | 90       |
| Jack and Remove Existing Bearing         | Each     | 1        |
| Structural Steel Removal                 | Pound    | 9860     |

DESIGNED V.H.V. P.S.J. A.T.H.  
CHECKED V.H.V. A.T.H. P.S.J.  
DRAWN John F. Scheller Jr.  
CHECKED V.H.V. A.T.H. P.S.J.  
FEBRUARY 4, 2002  
EXAMINED John A. Morris  
PASSED

BRIDGE NO. 1  
STRUCTURE NO. 002-0022  
FOR INFORMATION ONLY

**PLAN & ELEVATION**  
**F.A.I. 57 OVER MISSISSIPPI RIVER**  
**ALEXANDER COUNTY**  
**S.N. 002-0022**