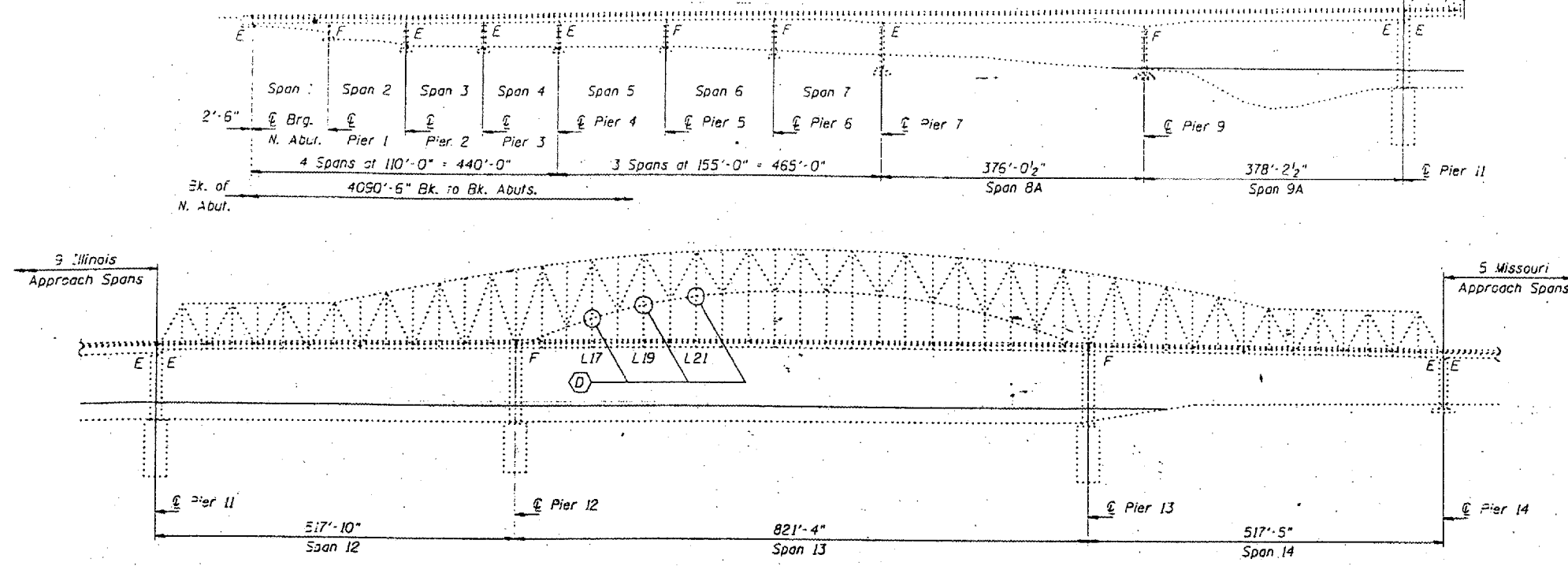


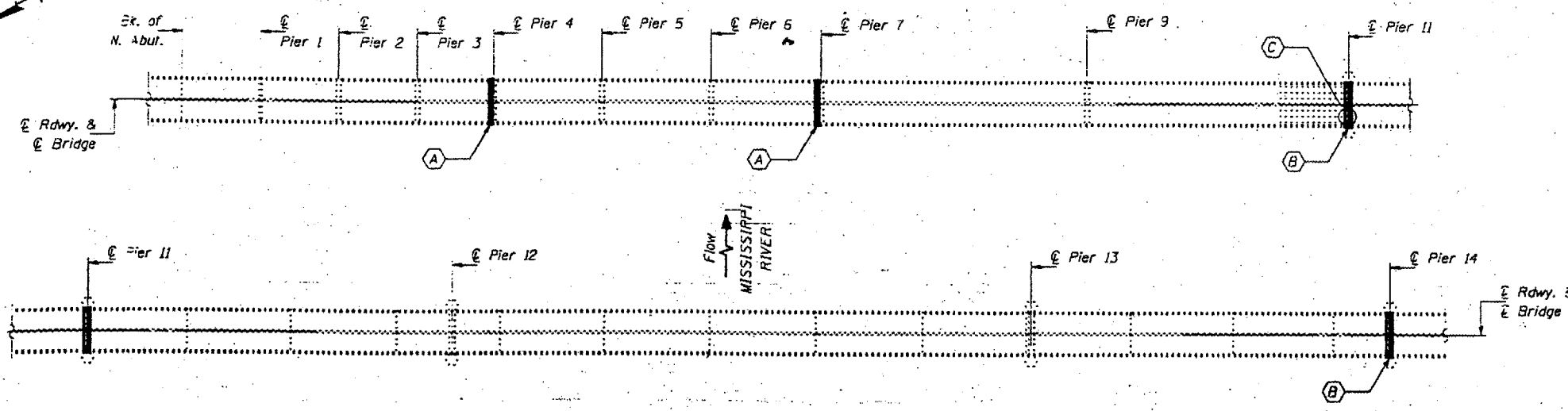
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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 13/16", unless otherwise noted.
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 4/9. See Special Provision for "Cleaning and Painting New Metal Structures".
The SSPC-DPI 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. Schaeffer Jr.
CHECKED V.H.V. A.T.H. P.S.J.

FEBRUARY 4, 2002
EXAMINED John A. Morris
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

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

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