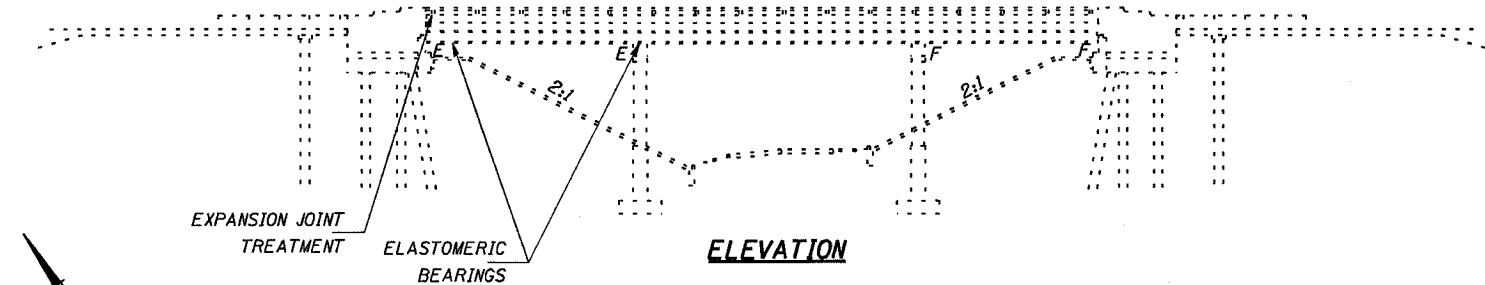


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.L. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
24	*	JOHNSON	150	144
STA.	TO STA.			
FED. ROAD DIST. NO.	LINE	FED. AID PROJECT		

\* BSMART FY04-3  
98836



ELEVATION

GENERAL NOTES

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.

Reinforcement bars shall conform to the requirements of AASHTO M-31, or M-322 Grade 60.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

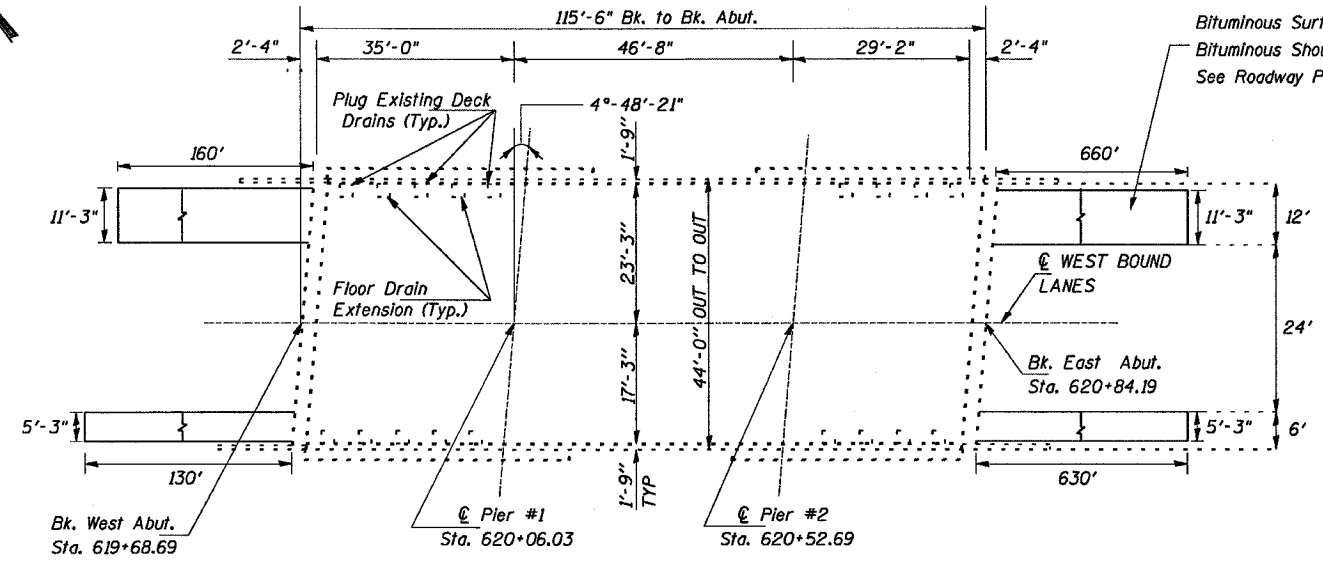
The existing structural steel coating contains lead. The Contractor should take appropriate precautions to deal with the presence of lead on this project.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

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 # 7.5G 4/B. See Special Provision for "Cleaning and Painting New Metal Structures".

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.

All structural steel shall conform to AASHTO M270 Grade 36.



Sequence of Construction

1. Scarify and Resurface Existing Shoulders
2. Remove Stage I Areas
3. Perform Stage I Repairs and Overlay
4. Remove Stage II Areas
5. Perform Stage II Repairs and Overlays

Design Stresses

Field Units  
New Construction  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)

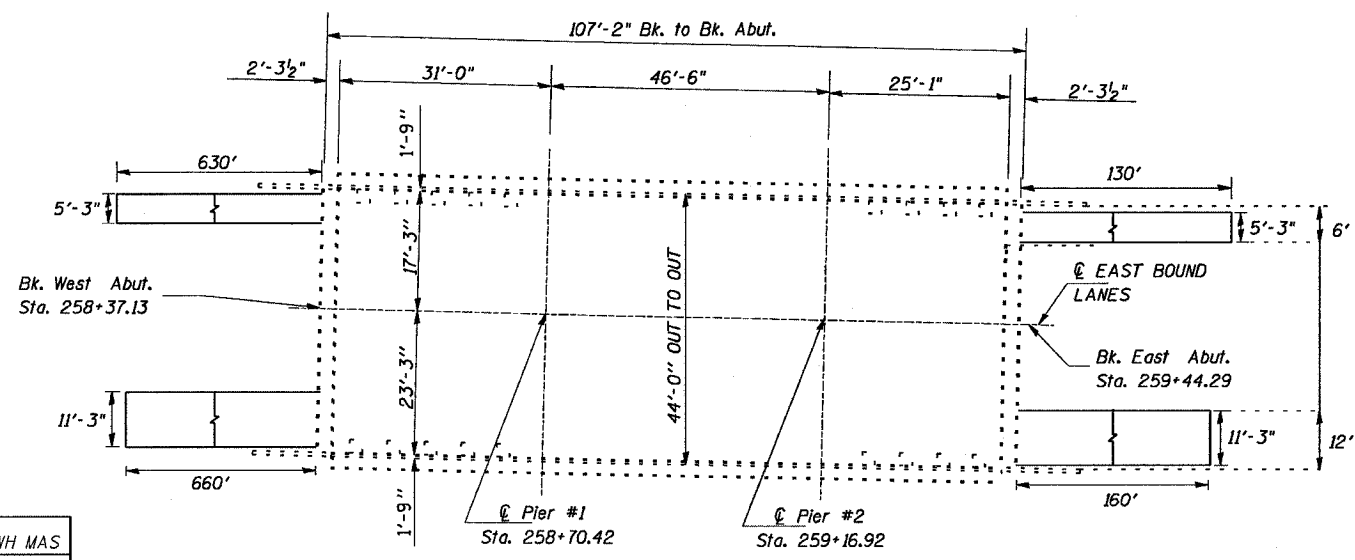
Existing Structure  
 $f'_c = 1,200$  psi (hatchblock)  
 $f_y = 20,000$  (reinforcement)

Scope of Work

Scarify existing  $\pm 9"$  thick bituminous shoulders and resurface with bituminous shoulder.  
Scarify existing bare deck  
Partial depth deck patching  
Eliminate drains within 10' of abutments and piers  
Microsilica Concrete Overlay  
Expansion Joint Treatment  
Replace bearings at west abutments and pier 1  
Extend drains

TOTAL BILL OF MATERIAL

ITEM	UNIT	Total	0049	0050
Concrete Bridge Deck Scarification (1/2 inch)	Sq. Yd.	980	471	509
Deck Slab Repair (Partial Depth)	Sq. Yd.	19	9	10
Plug Existing Deck Drains	Each	20	10	10
Bridge Deck Microsilica Concrete Overlay 2 1/4"	Sq. Yd.	980	471	509
Jack and Remove Existing Bearings	Each	24	12	12
Furnishing and Erecting Structural Steel	Pound	4640	2320	2320
Elastomeric Bearing Assembly, Type I	Each	12	6	6
Elastomeric Bearing Assembly, Type II	Each	12	6	6
Concrete Removal	Cu. Yd.	4.4	2.2	2.2
Reinforcement Bars, Epoxy Coated	Pound	500	250	250
Bar Splicers	Each	8	4	4
Concrete Superstructure	Cu. Yd.	4.8	2.4	2.4
Polymer Concrete	Cu. Ft.	8.2	4.1	4.1
Silicone Joint Sealer 1 1/2"	Foot	84	42	42
Bridge Deck Grooving	Sq. Yd.	931	448	483
Floor Drain Extension	Each	16	8	8



PLAN

GENERAL PLAN AND ELEVATION  
FAI 24 OVER T.R. 173  
JOHNSON COUNTY  
STA. 620+29.36 (W.B.L.)  
STA. 258+93.67 (E.B.L.)  
SN 044-0049 (EB)  
SN 044-0050 (WB)

DESIGNED	TWH MAS
CHECKED	MAS
DRAWN	Kraatz/ Dickerson
CHECKED	TWH MAS