

ROUTE NO.	#SCTION	co	UNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
FAI 74	(57-22) BR-2	MCLEAN		42	12	23 SHEETS
FED. ADAD DIST	. NO. 7	JUL INDIS	FED. AID PROJECT-			

Contract No. 70671

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts ${}^7_8'' \phi$, holes ${}^{15}_{16}'' \phi$, unless otherwise noted.

Calculated weight of Structural Steel = 199,560 lbs. (AASHTO M270 Gr. 50) = 23,690 lbs. (AASHTO M270 Gr. 36) The structural steel and bearings are to be furnished under separate contract

and erected under this contract. No field welding is permitted except as specified in the contract documents.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions

If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blacks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of $l_{\rm B}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

Concrete sealer shall be applied to the inside face of the back walls, the existing abutment seats, and the exposed front face of the abutments. Cleaning and field painting of structural steel shall be done under a separate

painting contract. The existing structural steel coating contains lead. The Contractor shall take

appropriate precautions to deal with the presence of lead on this project. Slipforming of parapets will not be allowed.

Up to l_{4} will be ground off the bridge deck and the bridge approach povement. See special provisions. Reinforcement bars designated (E) shall be epoxy coated.

	SUPER	SUB	TOTAL					
		39.0	39.0					
			1					
		30.1	30.1					
		39.0	39.0					
•		26.1	26.1					
	260.0		260.0					
•	1058		1058					
7	1293		1293					
7	1.0		1.0					
_	4500		4500					
	61310	2430	63740					
_	88		88					
	1		1					
	12		12					
	6		6					
	24		24					
	24		24					
		120.0	120.0					
		120.0	120.0					
1	1050,0		1050.0					
		38.0	38.0					
		92.0	92.0					
	2		2					
		731.0	731.0					
	84.0		84.0					
		40.0	40.0					

LOADING HS20-44 & ALT. Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS 2002 AASHTO

DESIGN STRESSES

New Construction

- $f_c = 3,500 \ psi$
- = 60,000 psi (reinforcement) = 50,000 psi (M270 Grade 50)

- Existing Construction f' = 3,500 psi
- fy = 40,000 psi (reinforcement)

SEISMIC DATA

Seismic Performance Category (SPZ) = A Bedrock Acceleration Coefficient (A) = 0.045g Site Coefficient (S) = 1.2

GENERAL PLAN & ELEVATION F.A.I. RT. 74 OVER KICKAPOO CREEK F.A.I. RT. 74 - SEC. (57-22)BR-2 MCLEAN COUNTY STATION 1039+00 STRUCTURE NO. 057-0126 (W.B.)