Existing Structure: Weigh Station at Brownstown was originally built in 1969 as F.A.I. Route 70, Section (26-4)WS-1, Project I-70-3(69) 70 Fayette County. The existing weigh scales shall be removed and replaced. See Scope of Work. Traffic will be detoured.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

SCOPE OF WORK

1. Remove existing concrete deck, structural steel beams, and scales.
2. Remove and replace 4'-6" depth of East Approach back wall and 3'-0" depth of West Approach back wall.
3. Remove and replace 30'-0" length of East and West Approach pavements.
4. Install new Weigh-Tronix Scales.

GENERAL NOTES

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

Plan dimensions and details relative to existing plans are subject to nominal construction 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 at the unit price bid for the work.

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

Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

Reinforcement Bars designated (E) shall be epoxy coated.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu. Yd.		4.3	4.3
Concrete Structures	Cu. Yd.		4.3	4.3
Furnishing and Erecting Structural Steel	Pound		460	460
Protective Coat	Sq. Yd.		57	57
Reinforcement Bars, Epoxy Coated	Pound		5740	5740
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		27.1	27.1
Furnishing and Installing Static Scale Components	L.Sum	1.0		1.0
Concrete Superstructure	Cu. Yd.	24.2		24.2

LOADING HS20-44

No future wearing surface allowed

DESIGN SPECIFICATIONS

2002 AASHTO

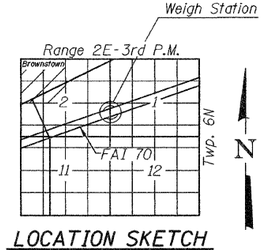
DESIGN STRESSES

NEW CONSTRUCTION

f'_c = 3,500 psi (Deck and Pit)
f_y = 60,000 psi (Reinforcement)
f_y = 36,000 psi (Structural Steel AASHTO M270 Grade 36)

FIELD UNITS (WORKING STRESSES)

f_c = 1,000 psi (Pit)
f_s = 20,000 psi (Reinforcement)
f_s = 20,000 psi (Structural Steel)



LOCATION SKETCH

DESIGNED Patrick McMahon
CHECKED Jay D. Edwards
DRAWN BECKY M. LEACH
CHECKED pmp JDE

MAY 4, 2009
EXAMINED
ENGINEER OF BRIDGE DESIGN
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS · RAJAN E. ANDERSON · 081-004625 · SPRINGFIELD · LICENSED STRUCTURAL ENGINEER

EXPIRES 11-30-2010

GENERAL DATA
STA. 905+34.94 (E.B.)
BROWNSTOWN WEIGH STATION

SHEET NO. 1	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5 SHEETS	70	D-7 WEIGH STATION	FAYETTE	8	4
			CONTRACT NO. 74370		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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