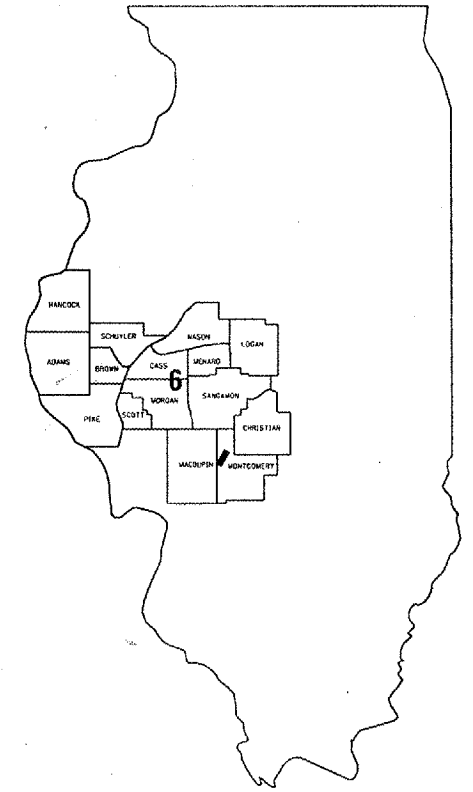


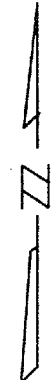
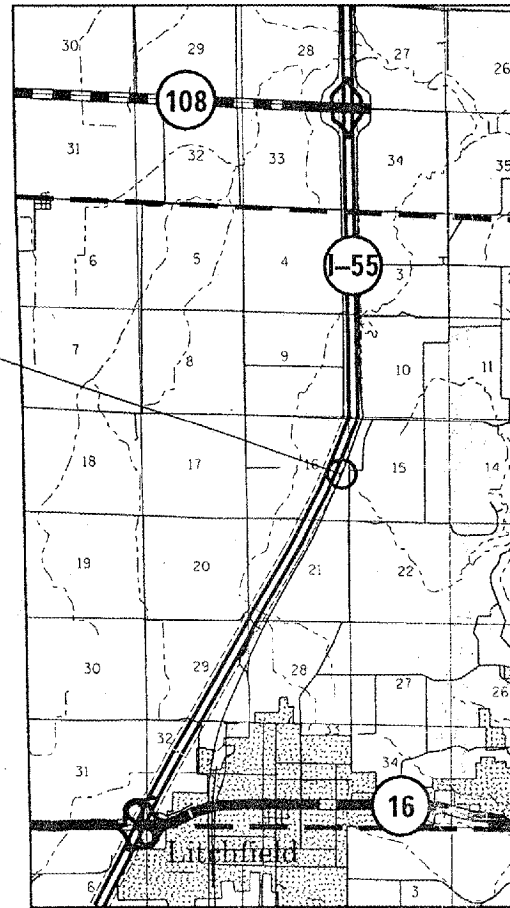
FOR INDEX OF SHEETS AND HIGHWAY
STANDARDS, SEE SHEET 2.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
CONTRACT MAINTENANCE**
FAI ROUTE 55 (I-55)
SECTION 68-2WS-4
MONTGOMERY COUNTY
C96-544-07 / D96-523-07



LOCATION OF SECTION INDICATED THUS: [Symbol]

WEIGH STATION
I-55 NBL
MILE POST 56.5



NET LENGTH OF SEC 100 FT = 0.02 MILE

J. U. L. I. E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

DISTRICT 6 BRIDGE ENGINEER: STEVE BERAN
PHONE: (217) 785-9290

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED FEB 5, 20 07

Christ H. Reed
DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER

March 23, 20 07

Eric E. Hamm
Interim ENGINEER OF DESIGN AND ENVIRONMENT

March 23, 20 07

Milton R. Sees, P.E.
DIRECTOR, DIVISION OF HIGHWAYS

CONTRACT NO. 72A95

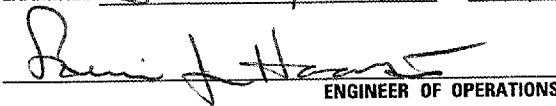
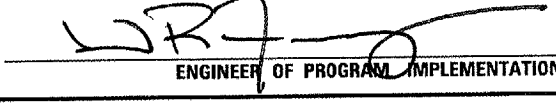
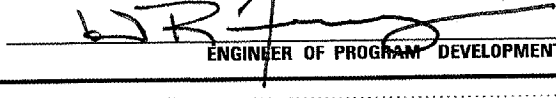
Rel.

INDEX

- 1 COVER SHEET
- 2 INDEX OF SHEETS, STANDARDS, & GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4-7 SCALE PLANS

STANDARDS

702001-06

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED	January 29 20 07  ENGINEER OF OPERATIONS
EXAMINED	FEB 5 20 07  ENGINEER OF PROGRAM IMPLEMENTATION
EXAMINED	FEB 5 20 07  ENGINEER OF PROGRAM DEVELOPMENT

INDEX & STANDARDS
FAI 55 (I-55)
SECTION 68-2WS-4
MONTGOMERY COUNTY

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	100% STATE
			1000
			TOTAL QTY
42001300	PROTECTIVE COAT	SQ YD	124
50104800	REMOVAL OF EXISTING CONCRETE DECK	L SUM	1
50300255	CONCRETE SUPERSTRUCTURE	CU YD	20.7
50600300	CLEANING AND PAINTING STEEL BRIDGE	L SUM	1
50606400	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES	L SUM	1
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	7350
67100100	MOBILIZATION	L SUM	1
X0324265	JACK REMOVE AND REPLACE LOAD CELLS	L SUM	1

QUANTITIES
FAI 55 (I-55)
SECTION 68-2WS-4
MONTGOMERY COUNTY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET TOTAL
F.A.I. 55	68	MONTGOMERY	7	4
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract #72A95
** 68-2WS-4

SHEET NO. 1
4 SHEETS

Existing Structure: Weigh station at Litchfield was originally built in 1973 as F.A.I. Route 55, Section 68-2WS1-1. In 1986 the existing platforms and scale assemblies were rehabilitated. The existing concrete platforms are to be removed and replaced. The scale will be closed during construction.

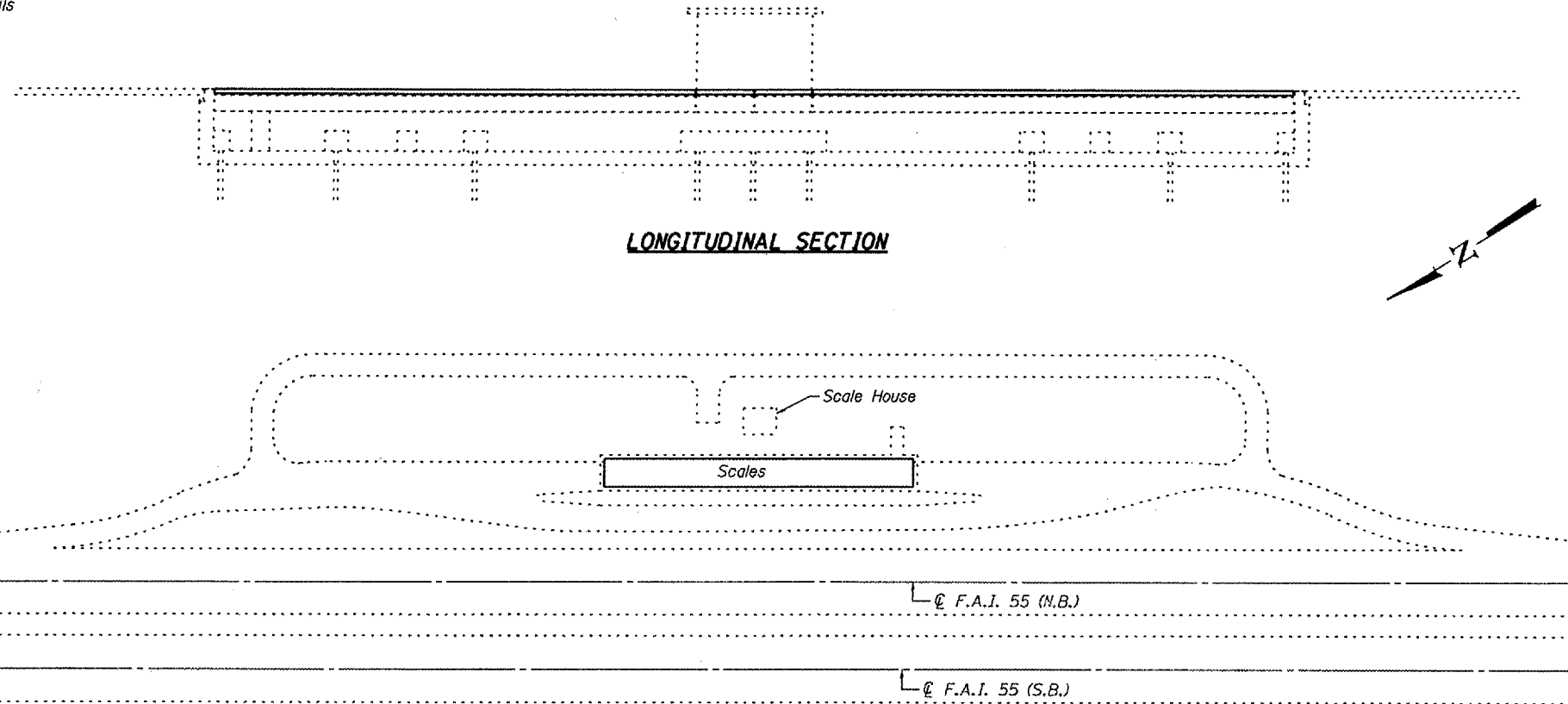
No Salvage

INDEX OF SHEETS

1. General Plan & Elevation
2. Plan & Elevation
3. Removal Details
4. Concrete Deck Details

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.
Reinforcement bars designated (E) shall be epoxy coated.
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.
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
Cleaning and painting of the existing structural steel shall be as specified in the special provisions for "Cleaning and Painting Existing Steel Structures". All existing steel shall be cleaned per Near White Blast Cleaning-SSPC-SPI10. All existing steel shall be painted according to the requirements of Paint System 1-OZ/E/U. The color of the final finish coat shall be Gray, Munsell No. 5B 7/1.
The SSPC-QP1 and SSPA-QP2 Painting Contractor Certifications will not be required for this project.
No field welding is permitted except as specified in the contract documents.
Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by an individual acceptable to the Engineer. Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
The Contractor shall fine the concrete surface of the platforms according to Article 420.09(e)(1) of the Standard Specifications. Cost included in "Concrete Superstructure".



LONGITUDINAL SECTION

PLAN

SCOPE OF WORK

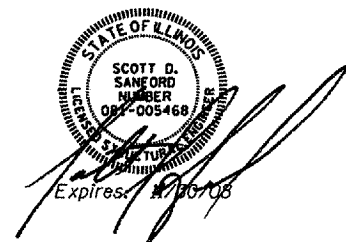
1. Remove and replace concrete decks of the four platform scales.
2. Clean & paint structural steel.
3. Remove, reinstall and recalibrate existing load cells. See special provisions.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Superstructure	Cu. Yd.	20.7		20.7
Removal of Existing Concrete Deck	L. Sum	1		1
Reinforcement Bars, Epoxy Coated	Pound	7,350		7,350
Protective Coat	Sq. Yd.	124		124
Cleaning and Painting Steel Bridge	L. Sum	1		1
Containment and Disposal of Lead Paint Cleaning Residues	L. Sum	1		1
Jack, Remove and Replace Load Cells	L. Sum	1		1

APPROVED
For Structural Adequacy Only

Robert E. Anderson
Engineer of Bridges & Structures



LOADING HS20-44
No future wearing surface allowed.

DESIGN SPECIFICATIONS

2002 AASHTO

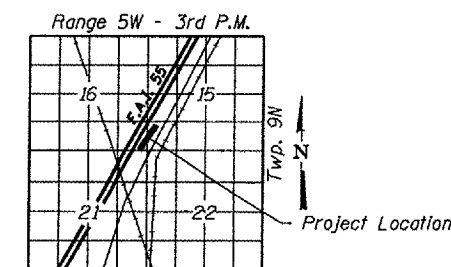
DESIGN STRESSES

NEW CONSTRUCTION

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

FIELD UNITS

$f'_c = 1,400$ psi (Platform)
 $f'_c = 1,000$ psi (Pit)
 $f_s = 20,000$ psi (Struc. Steel)
 $f_s = 20,000$ psi (Reinforcement)



LOCATION SKETCH

**GENERAL PLAN & ELEVATION
LITCHFIELD WEIGH STATION
F.A.I. ROUTE 55 SECTION 68-2WS-4
MONTGOMERY COUNTY
STA. 1836+54.94 (N.B. ONLY)**

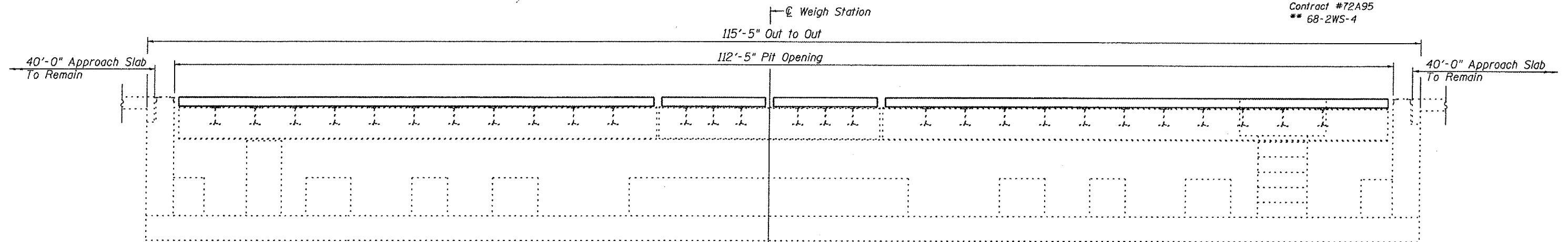
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CHECKED	C.W.C.
DRAWN	D.L.H.
CHECKED	S.D.S.



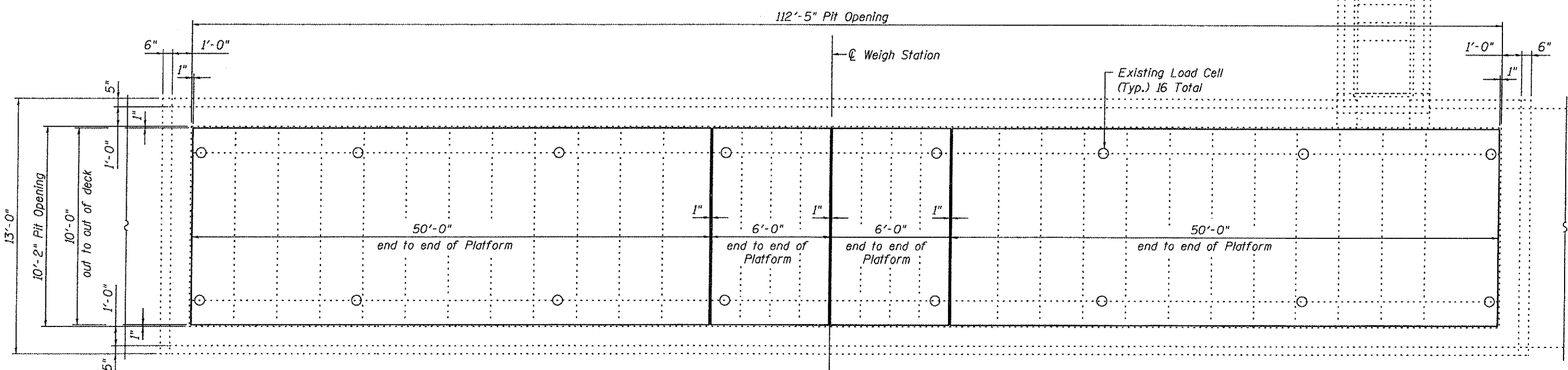
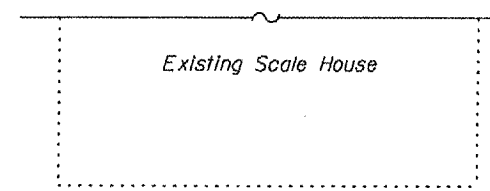
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO.
F.A.I. 55	#	MONTGOMERY	7	5	2
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

Contract #72A95
** 68-2WS-4



LONGITUDINAL SECTION



PLAN

DESIGNED	S.D.S.
CHECKED	C.W.C.
DRAWN	D.L.H.
CHECKED	S.D.S.

WHKS & CO.

ENGINEERS PLANNERS LAND SURVEYORS

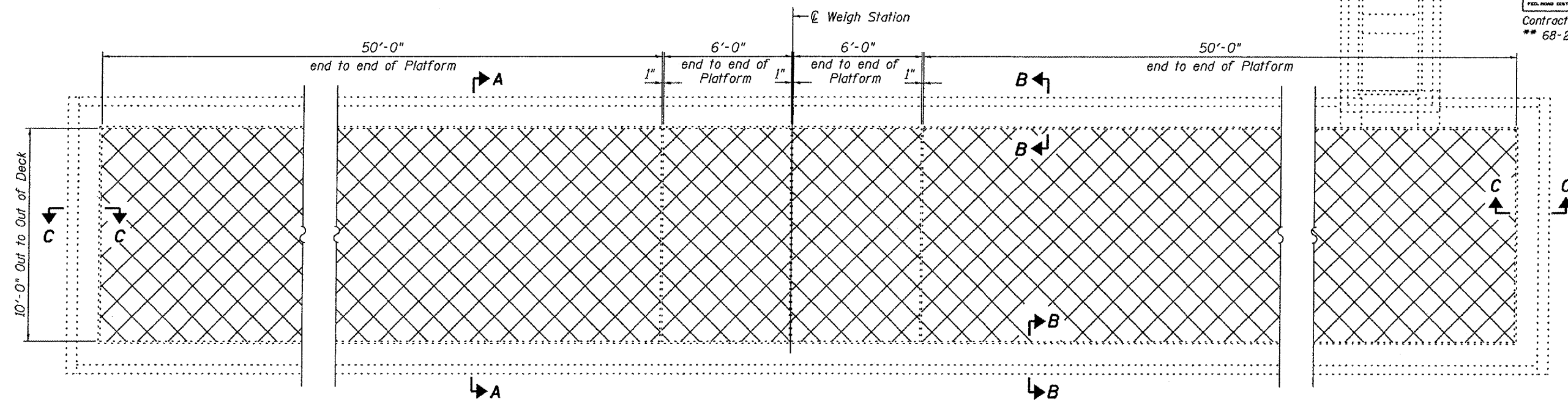
MASON CITY, IA DUBUQUE, IA AMES, IA SPRINGFIELD, IL ROCHESTER, MN

**PLAN & ELEVATION
LITCHFIELD WEIGH STATION
F.A.I. ROUTE 55 SECTION 68-2WS-4
MONTGOMERY COUNTY
STA. 1836+54.94 (N.B. ONLY)**

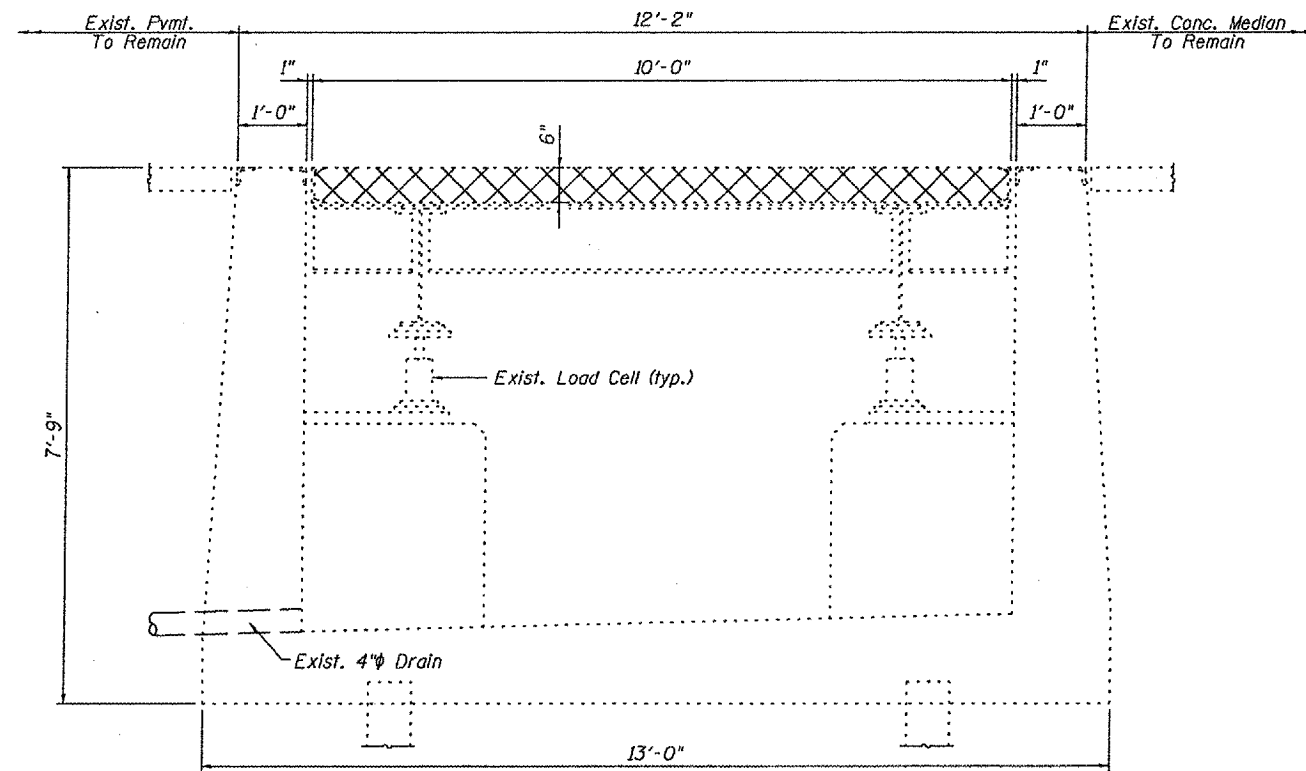
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.I. 55	68	MONTGOMERY	7	4
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract #72A95
** 68-2WS-4

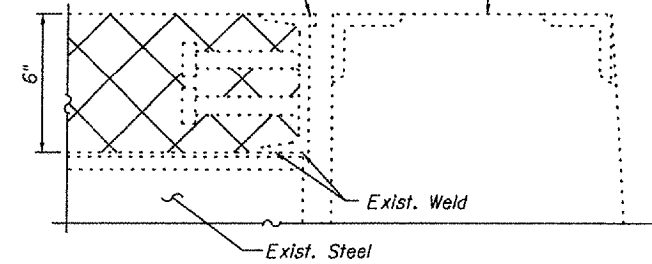


PLAN



SECTION A-A

*Exist. [6x13 Channel Coping, Studs & exist. 1/4" x 1/2" Steel Rock Guard to be reused in new Deck.

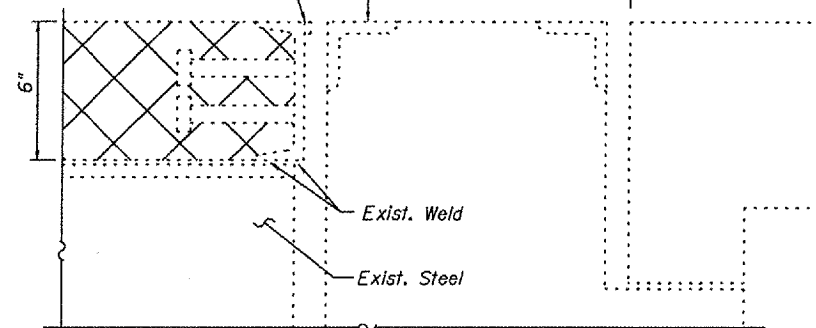


SECTION B-B

Note:

Cross-Hatched area indicates "Removal of Existing Concrete Deck".
* The Contractor has the option to remove the existing channel coping (with existing studs and rock guards) which is welded to the existing steel and replace it with new channel coping (with new studs and rock guards). If the Contractor chooses to remove the existing channel, the Bureau of Bridges and Structures shall be contacted for weld information. The Contractor shall take care not to damage the existing steel which is to be reused, and there shall be no extra cost to the Department.

*Exist. [6x13 Channel Coping, Studs & exist. 1/4" x 1/2" Steel Rock Guard to be reused in new Deck.



SECTION C-C

DESIGNED	S.D.S.
CHECKED	C.W.C.
DRAWN	D.L.H.
CHECKED	S.D.S.

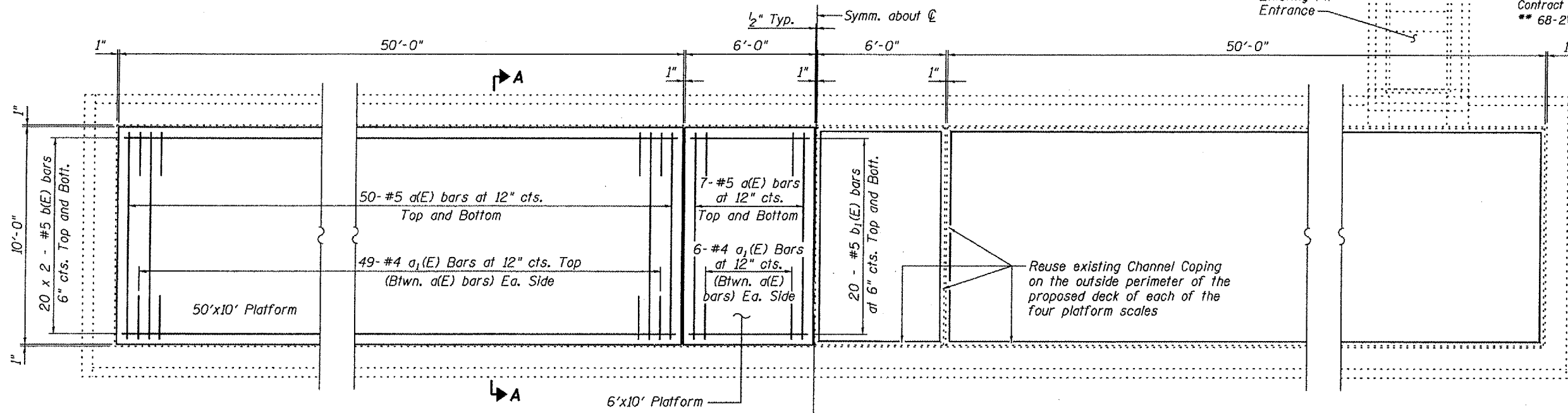
WHKS & CO.
ENGINEERS PLANNERS LAND SURVEYORS
MASON CITY, IA DUBUQUE, IA AMES, IA SPRINGFIELD, IL ROCHESTER, MN

REMOVAL DETAILS
LITCHFIELD WEIGH STATION
F.A.I. ROUTE 55 SECTION 68-2WS-4
MONTGOMERY COUNTY
STA. 1836+54.94 (N.B. ONLY)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55	**	MONTGOMERY	7	4
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract #72A95
** 68-2WS-4



SHOWING REINFORCEMENT

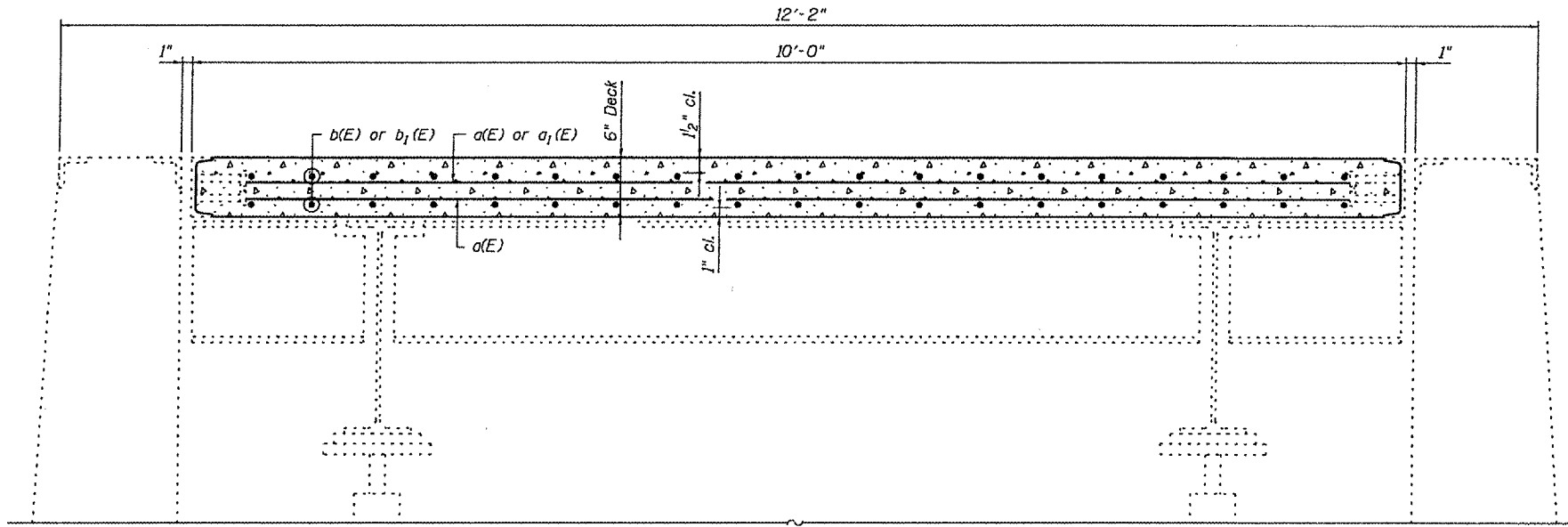
PLAN

SHOWING CHANNEL COPING

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	228	#5	9'-8"	————
a1(E)	220	#4	2'-0"	————
b(E)	160	#5	25'-8"	————
b1(E)	80	#5	5'-8"	————
Concrete Superstructure			Cu. Yd.	20.7
Reinforcement Bars, Epoxy Coated			Pound	7,350

MIN. BAR LAP
#5 bar = 1'-8"



SECTION A-A

Notes:
After removal of the existing deck, all debris on the scale pedestals and bottom slab of the pit shall be removed and the existing drain holes cleared as directed by the Engineer. Cost included with "Cleaning & Painting Steel Bridge No. 1".
Bars indicated thus 20 x 2 - #5 etc. indicates 20 lines of bars with 2 lengths per line.

DESIGNED	S.D.S.
CHECKED	C.W.C.
DRAWN	D.L.H.
CHECKED	S.D.S.

WHKS & CO.

ENGINEERS — PLANNERS — LAND SURVEYORS

MASON CITY, IA DUBUQUE, IA AMES, IA SPRINGFIELD, IL ROCHESTER, MN

CONCRETE DECK DETAILS
LITCHFIELD WEIGH STATION
F.A.I. ROUTE 55 SECTION 68-2WS-4
MONTGOMERY COUNTY
STA. 1836+54.94 (N.B. ONLY)