

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1ZB) 1-7	ADAMS	45	1
		ILLINOIS	CONTRACT NO. 72H65	

D-96-041-15

SEE SHEET#2 FOR INDEX OF SHEETS  
AND HIGHWAY STANDARDS

**PROPOSED  
HIGHWAY PLANS**

**US 24 WESTBOUND  
BAYVIEW BRIDGE**

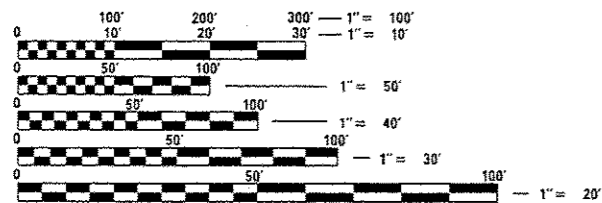
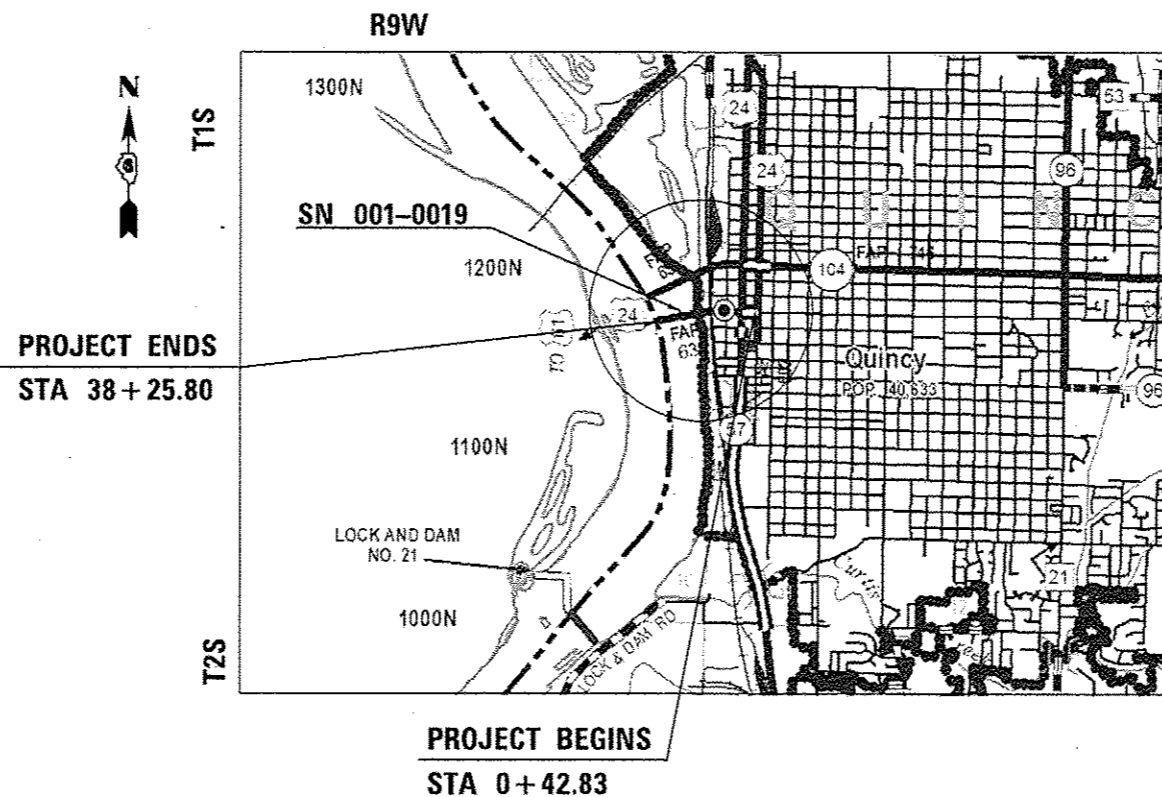
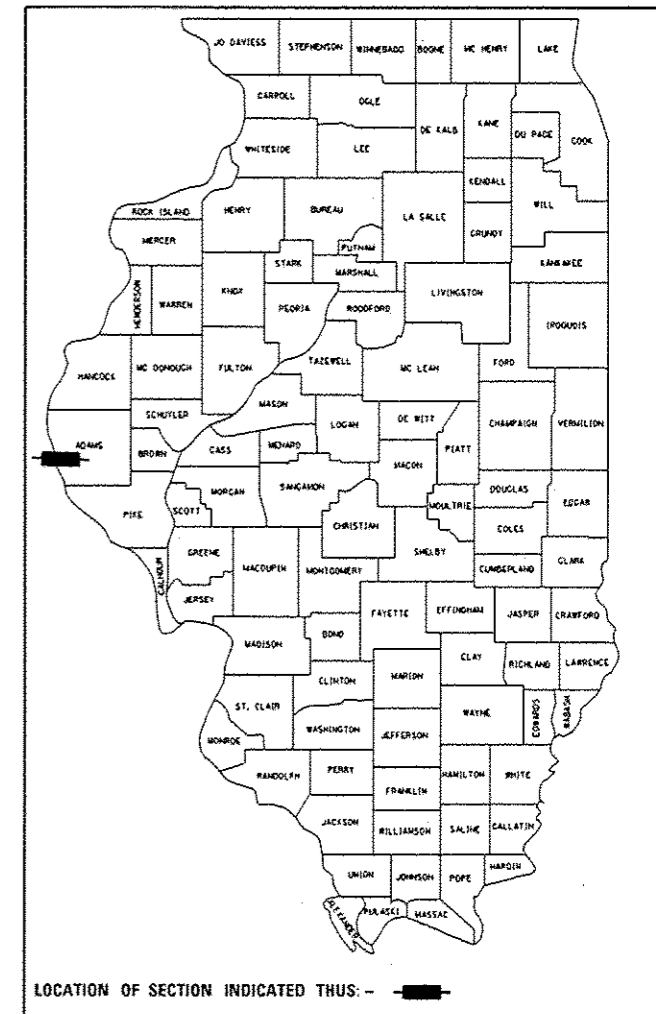
ADT: 10,800 (2013)  
MU: 5.6%  
SU: 3.8%

**US 24 EASTBOUND  
MEMORIAL BRIDGE**

ADT: 9,075 (2013)  
MU: 5.85%  
SU: 3.6%

FAP ROUTE 63 (US 24)  
SECTION (1ZB) 1-7  
PROJECT ACNHPP-0063 (063)  
BRIDGE REPAIR  
ADAMS COUNTY, IL / MARION COUNTY, MO

C-96-041-15



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
DR 811

PROJECT ENGINEER: KEITH DONOVAN PH (217) 782-4761  
TEAM MANAGER: TOM COX PH (217) 557-6349

GROSS LENGTH = 3,511.50 FT. = 0.67 MILE

CONTRACT NO. 72H65

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED August 19 20 15  
Rosa Z. [Signature]  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Oct 2 20 15  
D. J. Baranzelli, PE  
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 2 20 15  
Omer Osman, PE  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

## GENERAL NOTES

1. ANY REFERENCE TO A STANDARD IN THE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION, AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THE PLANS;
2. ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.
3. THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 BUREAU OF OPERATIONS AT 217-782-7314 THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL.
4. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION; SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT CONSIDERED INCLUDED IN THE CONTRACT UNIT BID PRICES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123.

### COMMITMENTS

A COMMITMENT WAS MADE TO THE 'BRIDGE THE GAP TO HEALTH RACE' COMMITTEE THAT BOTH THE MEMORIAL BRIDGE AND BAYVIEW BRIDGE WOULD HAVE ALL LANES OF TRAFFIC OPEN ON THEIR RACE DATE WHICH IS MAY 21, 2016.

## INDEX OF SHEETS

- 1 COVER
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4-27 BRIDGE PLANS
- 28-41 TRAFFIC CONTROL PLAN SHEETS
- 42-45 INTERSECTION TC&P DETAIL SHEETS

## HIGHWAY STANDARDS

- 701101-04
- 701106-02
- 701422-07
- 701426-07
- 701901-04

DISTRICT SIX	
EXAMINED	AUGUST 11 <sup>th</sup> 20 15
<i>John C. Weyman</i>	
OPERATIONS ENGINEER	

EXAMINED	August 11 20 15
<i>Ron Chamberlain</i>	
PROJECT IMPLEMENTATION ENGINEER	

EXAMINED	August 19 20 15
<i>Jeffrey P. Meyer</i>	
PROGRAM DEVELOPMENT ENGINEER	

FILE NAME :	USER NAME : sparkage	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, COMMITMENTS, AND GENERAL NOTES	F.A.P. RTE. 63	SECTION (12B1-7	COUNTY ADAMS	TOTAL SHEETS 45	SHEET NO. 2
Default	PLOT SCALE : 100.0000 ' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 72H65				
	PLOT DATE : 8/17/2015	DATE -	REVISED -							



**GENERAL NOTES**

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Fasteners shall be high strength bolts. Bolts 7/8" φ, open holes 15/16" φ, unless otherwise noted.

Reinforcement bars designated (E) shall be epoxy coated.

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.

Finger Plate Expansion Joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.

Tapered shims shall be added under the stools, as required by the Engineer, to make a smooth finger joint. Cost shall be included with Finger Plate Expansion Joint.

The finger plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.

Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Furnishing and Erecting Structural Steel.

The existing structural steel coating contains lead. The Contractor shall 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 GBSP "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs, when the deck is poured at an ambient temperature other than 50° F.

All new structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Structural Steel Repair.

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 contractor shall ensure that no damage is done to any material that is to remain. Any damage is to be repaired, at the cost of the contractor, to the satisfaction of the engineer.

Cleaning and painting of the existing structural steel near joints at Piers 8 & 10 shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures".

All beams, bearings and other structural steel within 5 ft (measured along the beam) of either side of deck joints shall be cleaned per Near White Blast Cleaning - SSPC-SP10.

The designated areas cleaned per Near White Blast Cleaning shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Blue, Munsell No. 10 3/6.

The Contractor is required to provide Structural Assessment Report(s) for the proposed work. See Special Provision.

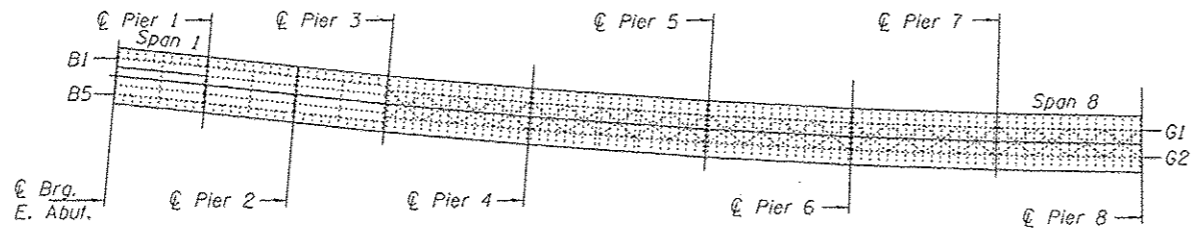
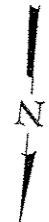
The Contractor shall retain the services of an engineering firm, prequalified in the IDOT consultant selection category of Highway Bridges (Complex), for preparation of the Structural Assessment Report(s). Contractor's pre-approval shall not be applicable for this project. See Special Provision.

CURRENT RATINGS ON FILE FOR EXISTING STRUCTURE:  
Inventory: HS 0.57  
Operating: HS 0.994  
Live Load Restrictions: Legal Loads only

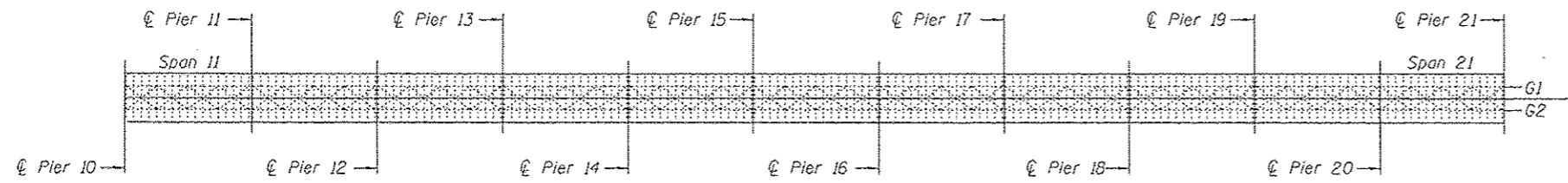
Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An Existing Structure Information Package is available on request as noted in the Special Provisions.

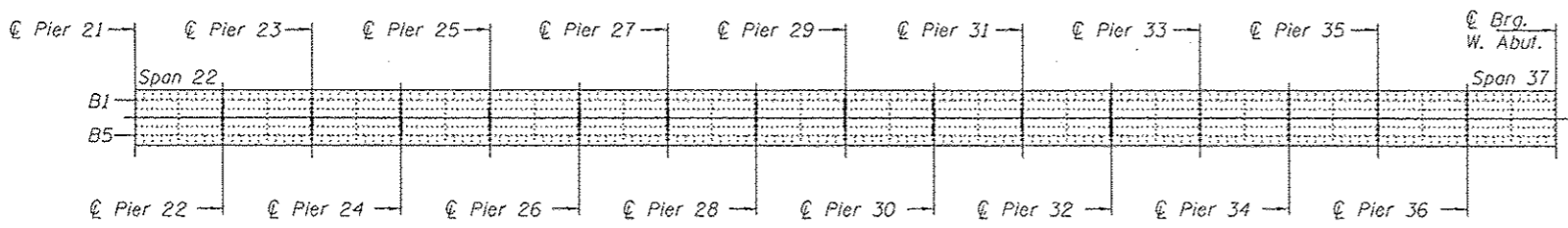
Truss member and gusset plate repairs are to be completed under reduced bridge live loads. Individual truss member and gusset plate repairs shall be completed when stage traffic is on the opposite side of the bridge with respect to the repair location.



**PLAN EAST APPROACH**  
(Spans 1-8)



**PLAN WEST APPROACH**  
(Spans 11-21)



**PLAN WEST APPROACH**  
(Spans 22-37)

**BILL OF MATERIAL**

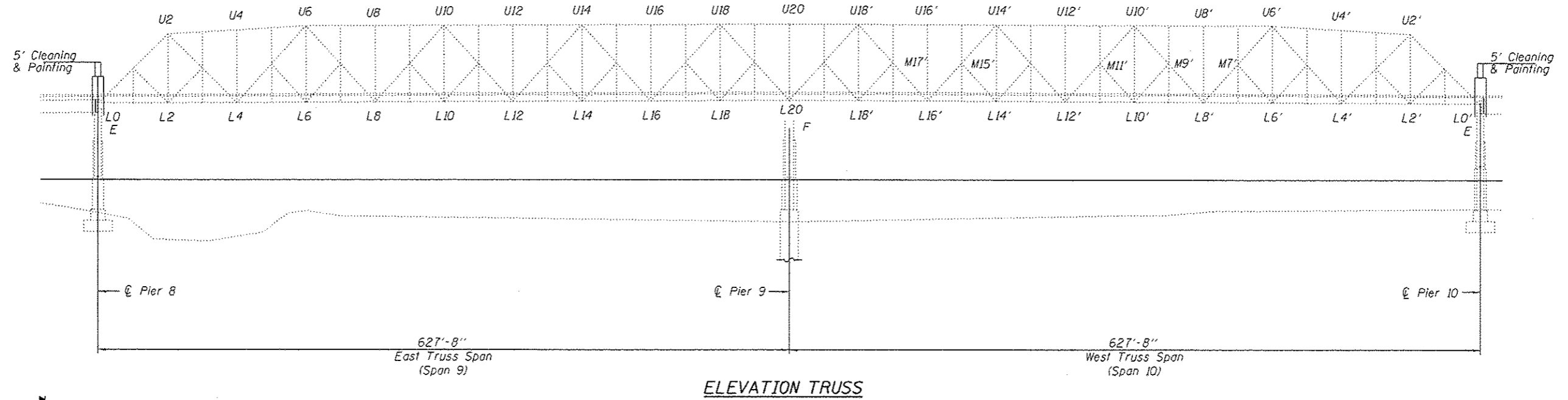
ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	10.7
Concrete Superstructure	Cu. Yd.	10.7
Protective Shield	Sq. Yd.	66
Structural Steel Repair	Pound	58570
Fabric Reinforced Elastomeric Trough	Foot	50
Finger Plate Expansion Joint	Foot	50
Reinforcement Bars, Epoxy Coated	Pound	2350
Anchor Bolts, 1"	Each	17
Cleaning and Painting Steel Bridge	LS	1
Containment and Disposal of Lead Paint	LS	1
Cleaning Residues	LS	1

\* For limits, see sheet 10 of 24

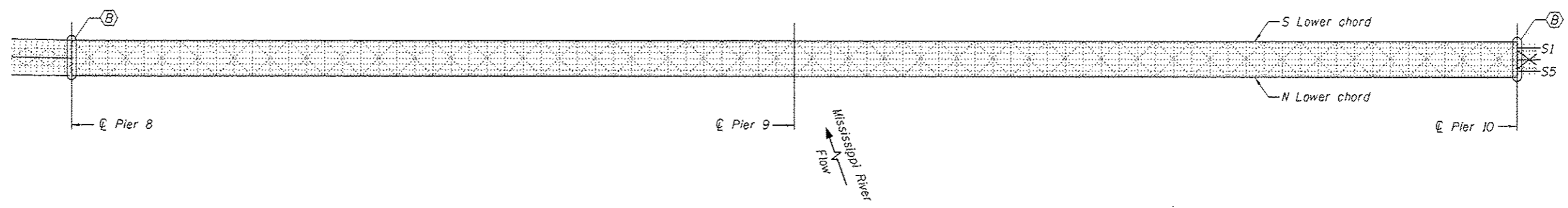
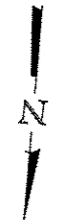


EXPIRES 11-30-2016

DESIGNED: <i>[Signature]</i>	DATE: OCTOBER 1, 2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN APPROACH SPANS FAP 63 (US 24) OVER THE MISSISSIPPI RIVER SN 001-0019		F.A.P. R.T.L. NO. 63	SECTION 112B11-7	COUNTY ADAMS	TOTAL SHEETS 45	SHEET NO. 4
CHECKED: <i>[Signature]</i>	REVISED: 10/15/2015 VHV		PASSED: <i>[Signature]</i> ACTING ENGINEER OF BRIDGES AND STRUCTURES	SHEET NO. 1 OF 24 SHEETS		CONTRACT NO. 72H65			
DRAWN: <i>[Signature]</i>	REVISED: 10/29/2015 VHV					ILLINOIS FED. AID PROJECT			
CHECKED: <i>[Signature]</i>									




**ELEVATION TRUSS**



**PLAN TRUSS**

(B) - Remove Neoprene Exp. Jt. & Install Finger R Exp. Jt.

DESIGNED VHV
CHECKED DAB
DRAWN Summer/boliva
CHECKED VHV DAB

PASSED	DATE <u>OCTOBER 1, 2015</u>
 ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED
	REVISED

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN AND ELEVATION TRUSS SPANS**  
**FAP 63 (US 24) OVER THE MISSISSIPPI RIVER**  
 SN 001-0019  
 SHEET NO. 2 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	02BH-7	ADAMS	45	5
CONTRACT NO. 72H65			ILLINOIS FED. AID PROJECT	

**FLOORBEAM REPAIRS**

(Spans 4-8 & 11-21)

Item No.	Location	Sheet No.
156	Span 5, Floorbeam 5. Strengthen floorbeam.	6
160	Span 5, Floorbeam 13B. Strengthen floorbeam.	6
138	Span 5, Floorbeam 9A. Strengthen floorbeam.	6
431	Span 6, Floorbeam 11. Strengthen floorbeam.	5
650	Span 12, Floorbeam 6. Repair broken weld to G2.	8
389	Span 13, Floorbeam 2. Repair broken weld to G2.	8
465	Span 14 Floorbeam 13. Strengthen floorbeam.	5
470	Span 15, Floorbeam 11. Strengthen floorbeam.	5
475	Span 17, Floorbeam 7. Strengthen floorbeam.	5
482	Span 18, Floorbeam 7. Strengthen floorbeam.	5
483	Span 18, Floorbeam 9. Strengthen floorbeam.	5
484	Span 18, Floorbeam 15. Strengthen floorbeam.	5
293	Span 20, Floorbeam 17. Repair broken weld to G2.	8
662	Span 21, Floorbeam 1. Repair broken weld to G2.	8
692	Span 21, Floorbeam 17. Repair broken weld to G1.	8

**FLOORBEAM REPAIRS**

(Spans 9 & 10)

Item No.	Location	Sheet No.
217	Span 9, Floorbeam 16. Strengthen floorbeam.	8
55	Span 10, Floorbeam 2'. Strengthen floorbeam.	8
47	Span 10, Floorbeam 14' at L14'N & L14'S. Strengthen floorbeam.	8

**GIRDER STRENGTHENING**

(Spans 4-8 & 11-21)

Repair	Location	Sheet No.
A	All spans. Install additional stiffeners at end of girders G1 and G2.	7
Item No.	Location	
292	Span 20, Floorbeam 5 at Girder G2, Panel 5. Replace lateral bracing connecting plate.	7

**DIAPHRAGM REPLACEMENT**

(Spans 22-37)

Item No.	Location	Sheet No.
667	Replace Diaphragm on Span 23 at Pier 22 between Beams B1 and B2.	8
699	Replace Diaphragm on Span 24 at Pier 23 between Beams B3 and B4.	8
497	Replace Diaphragm on Span 25 at Pier 24 between Beams B3 and B4 & B4 and B5.	8
498	Replace Diaphragm on Span 25 at Pier 25 between Beams B2 and B3.	8
703	Replace Diaphragm on Span 26 at Pier 25 between Beams B3 and B4.	8
502	Replace Diaphragm on Span 27 at Pier 26 between Beams B2 and B3.	8
503	Replace Diaphragm on Span 27 at Pier 26 between Beams B3 and B4.	8
505	Replace Diaphragm on Span 28 at Pier 27 between Beams B2 and B3 & B3 and B4.	8
670	Replace Diaphragm on Span 29 at Pier 28 between Beams B1 and B2.	8
706	Replace Diaphragm on Span 29 at Pier 29 between Beams B1 and B2, B2 and B3, B3 and B4.	8
507	Replace Diaphragm on Span 30 at Pier 29 between Beams B1 and B12.	8
707	Replace Diaphragm on Span 30 at Pier 30 between Beams B1 and B2, B4 and B5.	8
509	Replace Diaphragm on Span 31 at Pier 30 between Beams B2 and B3.	8
510	Replace Diaphragm on Span 31 at Pier 31 between Beams B2 and B3.	8
511	Replace Diaphragm on Span 31 at Pier 31 between Beams B3 and B4.	8
513	Replace Diaphragm on Span 32 at Pier 32 between Beams B1 and B2, B2 and B3, B3 and B4, B4 and B5.	8
708	Replace Diaphragm on Span 33 at Pier 32 between Beams B3 and B4, B4 and B5.	8
516	Replace Diaphragm on Span 33 at Pier 33 between Beams B3 and B4.	8

**JOINT REPLACEMENT**

(Spans 9 & 10)

Repair	Location	Sheet No.
B	Install new Finger Plate Joints at Piers 8 and 10.	9-12

**GUSSET PLATE REPAIRS**

(Spans 9 & 10)

Item No.	Location	Sheet No.
544	Span 9, Panel Point L1S. Strengthen inside gusset plate.	13
556	Span 9, Panel Point L5S. Strengthen inside gusset plate.	13
557	Span 9, Panel Point L5N. Strengthen outside gusset plate.	13
215	Span 9, Panel Point L16S. Strengthen outside gusset plate.	13
216	Span 9, Panel Point L16S. Strengthen inside gusset plate.	13
218	Span 9, Panel Point L16N. Strengthen inside gusset plate.	13
219	Span 9, Panel Point L16N. Strengthen outside gusset plate.	13
239	Span 10, Panel Point L16'S. Strengthen outside gusset plate.	13
240	Span 10, Panel Point L16'S. Strengthen inside gusset plate.	13
241	Span 10, Panel Point L16'N. Strengthen outside gusset plate.	13
242	Span 10, Panel Point L16'N. Strengthen inside gusset plate.	13
255	Span 10, Panel Point L12'N. Strengthen inside gusset plate.	13
254	Span 10, Panel Point L12'S. Strengthen outside gusset plate.	13
373	Span 10 at M5'S offset inside gusset plate. See Note E.	17

**NOTE:**

All Item Nos. are based on the 2015 NBIS Inspection Report.

**ANCHOR BOLT REPAIRS**

(See Notes)

Item No.	Location
425	Span 2, Pier 1, Beam 5. Tighten 1 anchor bolt nut.
428	Span 5, Pier 4, Girder G1. Tighten 3 anchor bolt nuts.
315	Span 7, Pier 6, Girder G2. Replace 1 anchor bolt.
536	Span 7, Pier 7, Girders G1 and G2. replace 8 anchor bolts.
14	Span 8, Pier 7, Girder G1. Tighten 2 anchor bolt nuts.
165	Span 8, Pier 8, Girders G1 and G2. Replace 8 anchor bolts.
406	Span 21, Pier 21, Girder G2. Tighten 1 anchor bolt nut.

**ANCHOR BOLT REPAIR NOTES:**

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

**TRUSS REPAIRS**

(Spans 9 & 10)

Item No.	Location	Sheet No.
677	Span 9 at LOS. Catwalk inspection platform broken weld. See Note A.	17
104	Span 9, Member L1S-L2S at L1S. Replace diaphragm.	16
567	Span 9, Member L6S-L8S, 5 ft. W and 5 ft. E of L7S. Reattach 3 loose brackets.	17
333	Span 9, Member M7S-L8S at L8S. Strengthen member.	16
573	Span 9, Member M9N-L8N at L8N. Strengthen member.	16
26	Span 9, Panel Point 9. Bent sway bracing. See note B.	17
197	Span 9, Member L9N-L10S at L10S, Panel 10. Repair lateral brace.	16
214	Span 9, Member L15N-L16N. Repair lower chord.	14
109	Span 9, Member L15S-L16S. Repair lower chord.	14
592	Span 9, Member L15S-L16N at L16N. Repair lateral brace.	15
344	Span 9, Member L16N-M17N at L16N. Replace stay plate.	15
347	Span 9, Member L18S-L19S at L19S. Replace stay plate.	15
607	Span 9, Member L19N-L20N at L20N. Replace diaphragm.	14
606	Span 9, Member M19S-L20S, 6 ft. from L20S. Replace diaphragm.	15
144	Span 9, Member L19S-L20S at L20S. Replace stay plate.	15
608	Span 9, Member L20S-U20S, 6 ft. from L20S. Replace diaphragm.	15
611	Span 9, Pier 9, North end. Repair access ladder. See note D.	18
612	Span 9, Pier 9, South end. Repair access ladder. See note D.	18
616	Span 10, Pier 9 at L20S. Realign pin spacer. See Note E.	18
615	Span 10, Member L20S-L19'S at L20S. Replace first lattice from L20S.	14
630	Span 10, Member L11'S-L10'S at L11'S. Replace stay plate.	16
373	Span 10, Member M5'S-U6'S at M5'S. Repair gusset plate. See note C.	17

**STRINGER REPAIRS**

(Spans 9 & 10)

Item No.	Location	Sheet No.
537 A	Span 9, Stringer 1, Panel 1. Strengthen stringer.	19
537 B	Span 9, Stringer 1, Panel 2. Strengthen stringer.	19
537 C	Span 9, Stringer 1, Panel 3. Strengthen stringer.	19
537 D	Span 9, Stringer 5, Panel 3. Strengthen stringer.	19
537 E	Span 9, Stringer 1, Panel 3. Strengthen stringer.	19
537 F	Span 9, Stringer 1, Panel 4. Strengthen stringer.	19
537 G	Span 9, Stringer 5, Panel 4. Strengthen stringer.	19
537 H	Span 9, Stringer 1, Panel 5. Strengthen stringer.	19
537 I	Span 9, Stringer 5, Panel 5. Strengthen stringer.	19
537 J	Span 9, Stringer 1, Panel 6. Strengthen stringer.	19
537 K	Span 9, Stringer 1, Panel 6. Strengthen stringer.	19
443	Span 9, Stringer 1, Panel 11. Repair cracked connection angle at FB 10.	19
537 L	Span 9, Stringer 1, Panel 10. Strengthen stringer.	19
537 M	Span 9, Stringer 1, Panel 11. Strengthen stringer.	19
537 N	Span 9, Stringer 1, Panel 12. Strengthen stringer.	19
537 O	Span 9, Stringer 5, Panel 12. Strengthen stringer.	19
537 P	Span 9, Stringer 1, Panel 13. Strengthen stringer.	19
537 Q	Span 9, Stringer 5, Panel 13. Strengthen stringer.	19
537 R	Span 9, Stringer 1, Panel 14. Strengthen stringer.	19
537 S	Span 9, Stringer 5, Panel 14. Strengthen stringer.	19
537 T	Span 9, Stringer 1, Panel 15. Strengthen stringer.	19
537 U	Span 9, Stringer 5, Panel 15. Strengthen stringer.	19
537 V	Span 9, Stringer 1, Panel 16. Strengthen stringer.	19
537 W	Span 9, Stringer 5, Panel 16. Strengthen stringer.	19
537 X	Span 9, Stringer 1, Panel 17. Strengthen stringer.	19
537 Y	Span 9, Stringer 1, Panel 18. Strengthen stringer.	19
537 Z	Span 9, Stringer 5, Panel 18. Strengthen stringer.	19
537 AA	Span 9, Stringer 5, Panel 19. Strengthen stringer.	19
537 AB	Span 9, Stringer 1, Panel 20. Strengthen stringer.	19
537 AC	Span 10, Stringer 1, Panel 20. Strengthen stringer.	19
537 AD	Span 10, Stringer 1, Panel 18. Strengthen stringer.	19
537 AE	Span 10, Stringer 5, Panel 17. Strengthen stringer.	19
537 AF	Span 10, Stringer 1, Panel 17. Strengthen stringer.	19
537 AG	Span 10, Stringer 1, Panel 11. Strengthen stringer.	19
537 AH	Span 10, Stringer 1, Panel 10. Strengthen stringer.	19
537 AI	Span 10, Stringer 5, Panel 7. Strengthen stringer.	19
537 AJ	Span 10, Stringer 1, Panel 6. Strengthen stringer.	19
537 AK	Span 10, Stringer 5, Panel 2. Strengthen stringer.	19

**FASTENER REPAIRS**

Item No.	Location	Total Missing
331	Span 9, Member U7S-U7N at U7S.	12
539	Span 9, Member LOS-UIS at LOS.	1
540	Span 9, Stringer S1 at FB 0, Panel 1.	1
541	Span 9, Stringer S3 at FB 0, Panel 1.	1
542	Span 9, Stringer S4 at FB 0, Panel 1.	1
590	Span 9, Stringer S5. Drain connection on panel 16.	1
629	Span 10, Member L12'N-M11'N at L12'N.	3
634	Span 10, Stringer S1, 2 ft. and 10 ft. from FB 10, Panel 10.	2
644	Span 10, Stringer S5, 3 ft. from FB 4, Panel 4.	1
458	Span 11, FB 13 at Girder G2 connection.	4
390	Span 13, FB 3 at Girder G1.	4
282	Span 13, FB 5 at Girders G1 and G2.	3
286	Span 14, FB 7 at Girder G1.	3
718	Span 17, Girder G2 at Pier 16. Flange to sole plate.	2
665	Span 21, North side of Girder G1 at Pier 21.	2
407	Span 22, diaphragm, beam B1 at Pier 21.	1
		2

**MISSING GUARDRAIL BOLTS**

Actual location & bolt size to be determined in the field. See Detail A.

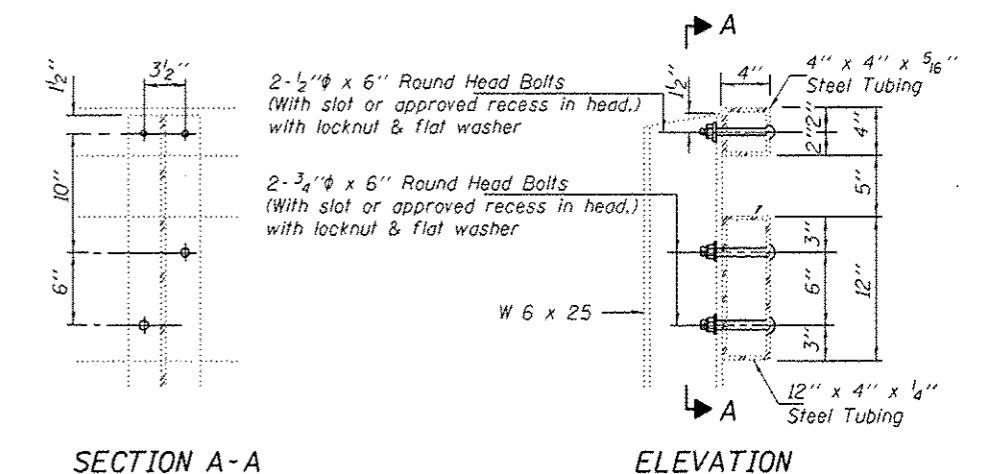
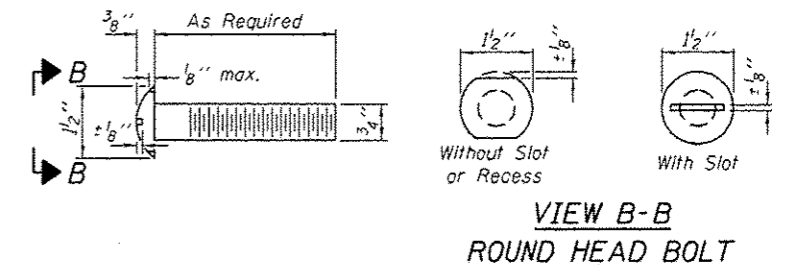
Span	Member	Location	Total Missing
4	S. Rail	17' West of P3.	1
5	S. Rail	18' East of P4.	1
6	S. Rail	40' East of P6.	2
8	S. Rail	1' East of P8.	1
9	N. Rail	10' & 20' West of P.P. 4.	2
9	S. Rail	3' West of P.P. 4.	2
9	N. Rail	9' East of P.P. 5.	1
9	S. Rail	3' East of P.P. 8.	1
9	N. Rail	3' West of P.P. 10.	1
9	S. Rail	3' East of P.P. 11.	1
9	S. Rail	15' East of P.P. 12.	1
9	S. Rail	3' East of P.P. 13.	1
9	S. Rail	10' East of P.P. 15.	2
9	S. Rail	3' East of P.P. 15.	2
10	S. Rail	3' East of P.P. 13.	2
10	N. Rail	3' West of P.P. 13.	1
10	S. Rail	4' West of P.P. 13.	2
10	S. Rail	10' West of P.P. 13.	2
10	S. Rail	10' West of P.P. 10.	2
10	S. Rail	3' West of P.P. 9.	2
10	S. Rail	4' East of P.P. 8.	1
10	S. Rail	3' East of P.P. 7.	1
10	S. Rail	3' West of P.P. 7.	2
10	S. Rail	10' West of P.P. 7.	2
10	S. Rail	10' West of P.P. 6.	1
10	S. Rail	3' East of P.P. 5.	1
10	S. Rail	3' West of P.P. 5.	2
10	S. Rail	16' East of P.P. 3.	1
10	S. Rail	10' East of P.P. 3.	4
10	S. Rail	3' East of P.P. 3.	1
10	S. Rail	3' West of P.P. 1.	1
11	N. Rail	3' West of P10.	2
14	S. Rail	32' West of P13.	1
14	N. Rail	42' East of P14.	2
16	S. Rail	21' East of P16.	1
16	N. Rail	10' East of P16.	1
16	N. Rail	2' East of P16.	2
17	N. Rail	2' West of P16.	2
19	S. Rail	45' East of P19.	1
19	S. Rail	15' East of P19.	1
20	S. Rail	30' West of P19.	1
25	S. Rail	3' West of P24.	1
26	S. Rail	10' East of P27.	2
27	S. Rail	10' East of P28.	1
31	S. Rail	19' East of P31.	1
31	S. Rail	3' East of P31.	2
32	S. Rail	3' West of P31.	2
32	S. Rail	10' West of P31.	2
32	S. Rail	19' East of P32.	1
32	S. Rail	3' West of P32.	1
36	N. Rail	10' West of P35.	2
37	S. Rail	17' East of West Abut.	3

NOTE:  
All Item Nos. are based on the  
2015 NBIS Inspection Report.

**BEAM REPAIRS**

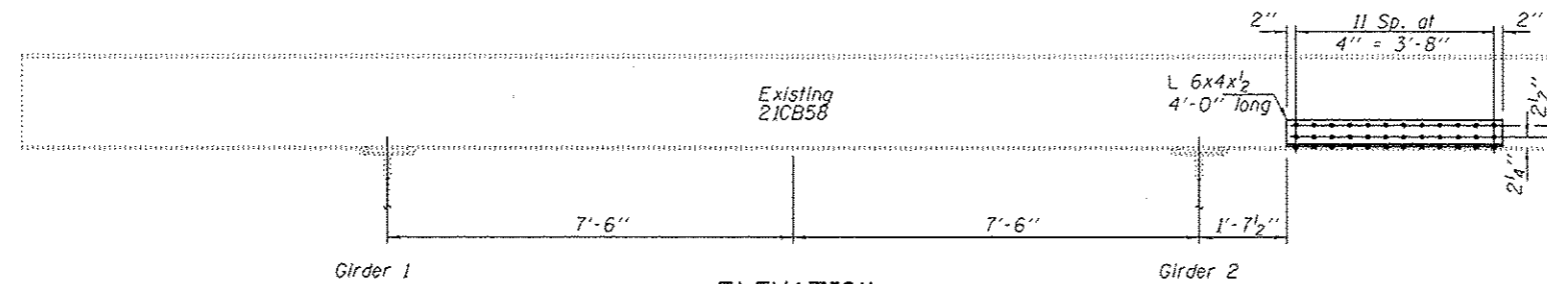
(Spans 1-3 & 22-37)

Item No.	Location	Sheet No.
426	Span 2, Beam B1. Strengthen beam.	20
495	Span 22, Beam B1. Strengthen beam.	24
408	Span 23, Beam B1. Strengthen beam.	21
150	Span 24, Beam B1. Strengthen beam end.	22
409	Span 24, Beam B1. Strengthen beam.	21
411	Span 25, Beam B1. Strengthen beam.	21
297	Span 26, Beam B5. Strengthen beam.	22
499	Span 26, Beam B1. Strengthen beam.	20
504	Span 27, Beam B1. Strengthen beam.	24
414	Span 28, Beam B1. Strengthen beam.	23
417	Span 29, Beam B1. Strengthen beam.	23
418	Span 29, Beam B1. Strengthen beam.	24
720	Span 29, Beam B5. Strengthen beam.	20
419	Span 30, Beam B1. Strengthen beam.	24
99	Span 31, Beam B1. Strengthen beam.	22
420	Span 31, Beam B5. Strengthen beam.	20
301	Span 32, Beam B1. Strengthen beam.	20
302	Span 32, Beam B5. Strengthen beam.	22
514	Span 33, Beam B1. Strengthen beam.	23
515	Span 33, Beam B5. Strengthen beam.	22
421	Span 34, Beam B1. Strengthen beam.	24
422	Span 34, Beam B5. Strengthen beam.	23
303	Span 35, Beam B1. Strengthen beam.	23
304	Span 35, Beam B5. Strengthen beam.	20
305	Span 36, Beam B5. Strengthen beam.	24
306	Span 37, Beam B5. Strengthen beam.	20

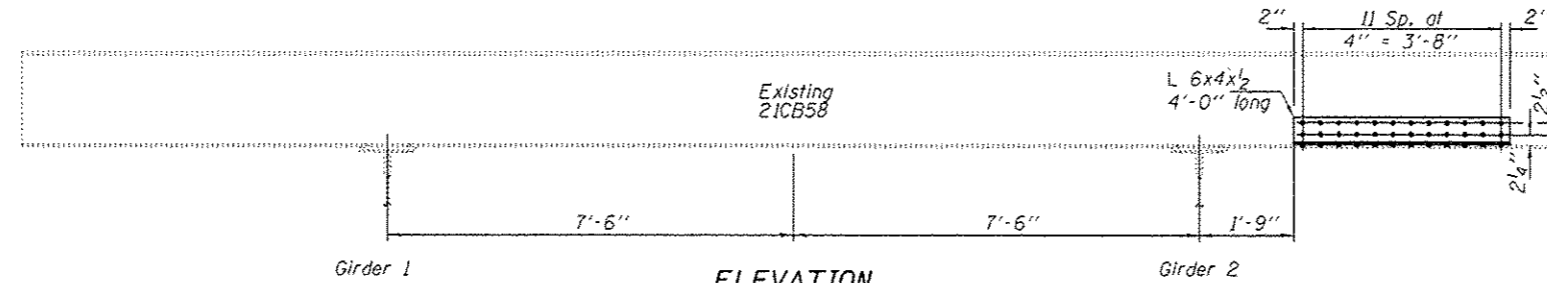
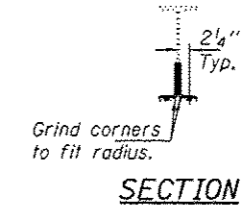


**DETAIL A**

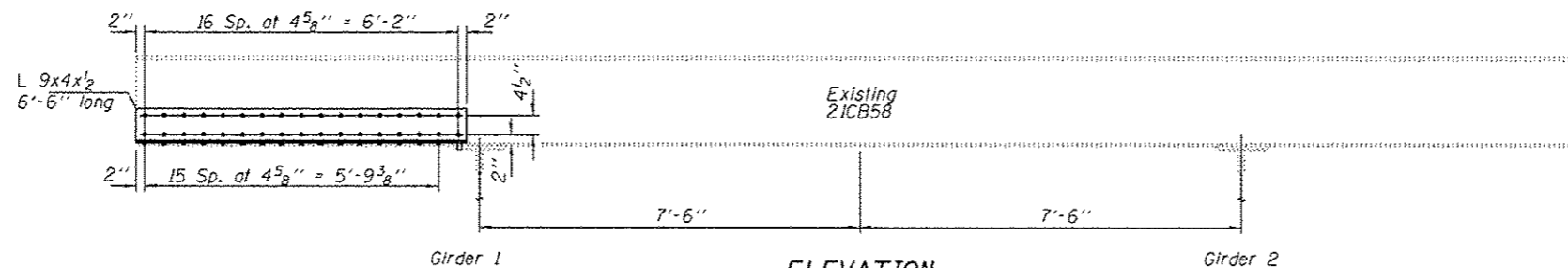
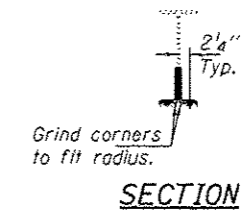
Bolts and nuts shall conform to the requirements of  
ASTM designation A 307.  
All bolts, nuts, washers and lock washers shall be  
galvanized according to AASHTO M 232.



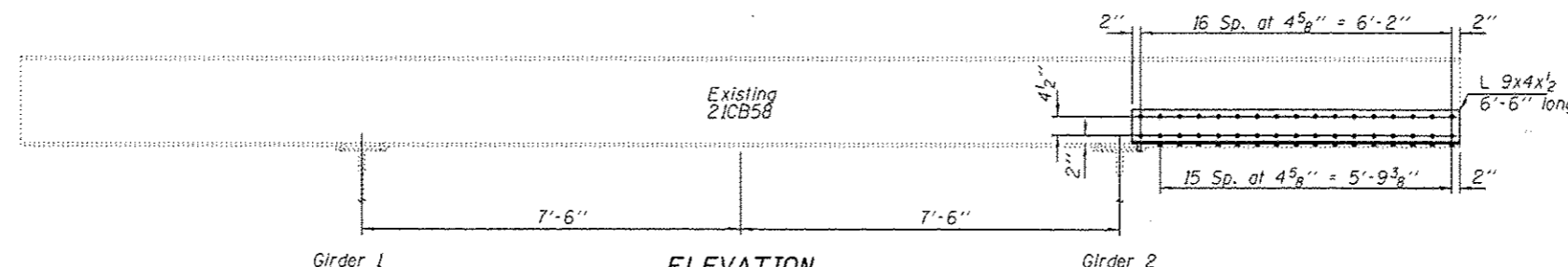
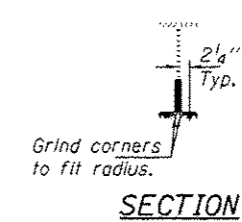
**ELEVATION**  
Looking West  
**ITEM 431**  
Span 6, FB 11



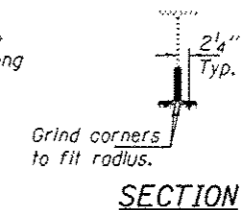
**ELEVATION**  
Looking West  
**ITEM 465**  
Span 14, FB 13  
**ITEM 470**  
Span 15, FB 11



**ELEVATION**  
Looking West  
**ITEM 465**  
Span 17, FB 7



**ELEVATION**  
Looking West  
**ITEM 482**  
Span 18, FB 7  
**ITEM 483**  
Span 18, FB 9  
**ITEM 484**  
Span 18, FB 15



For Partial Framing Plan, see sheet 8 of 24.

**BOLT HOLE LEGEND**

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	1710

DESIGNED VHV  
CHECKED DAB  
DRAWN baliva  
CHECKED VHV DAB

DATE OCTOBER 1, 2015  
PASSED *[Signature]*  
ACTING ENGINEER OF BRIDGES AND STRUCTURES

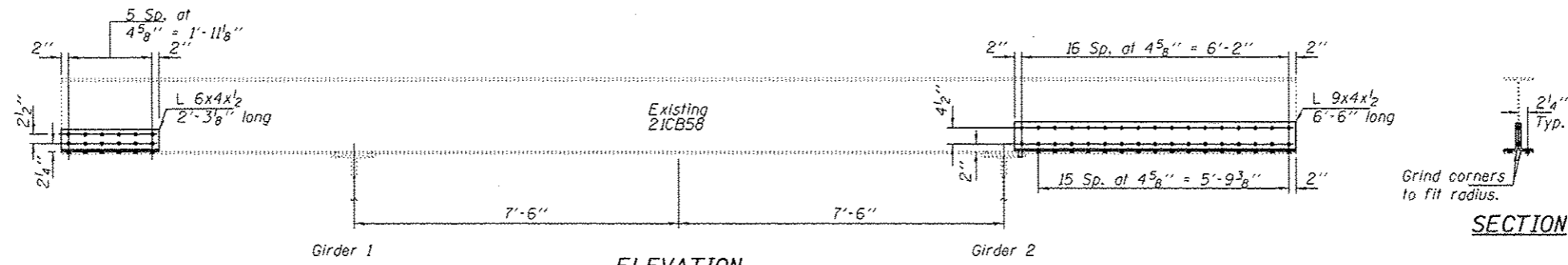
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FLOORBEAM REPAIR DETAILS SPANS 4-8 & 11-21  
SN 001-0019

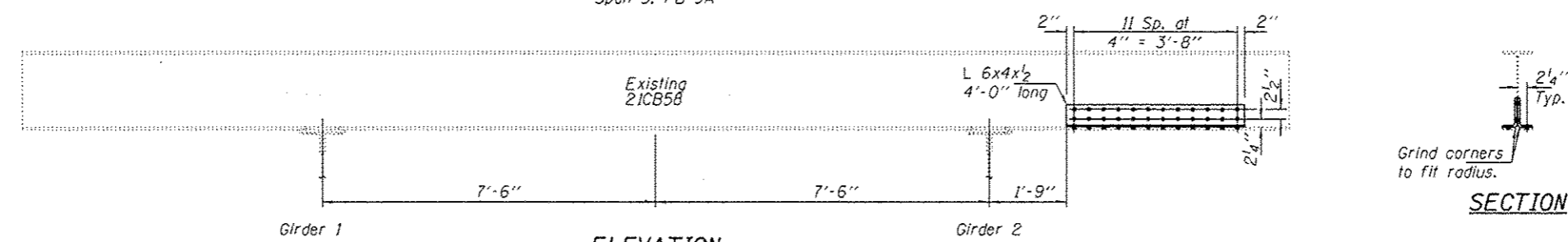
SHEET NO. 5 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	12BH-1	ADAMS	45	8
				CONTRACT NO. T2H65
ILLINOIS FED. AID PROJECT				

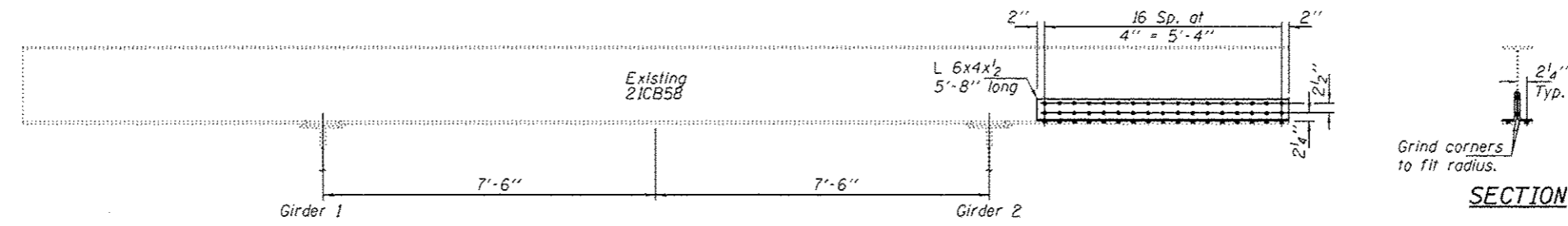




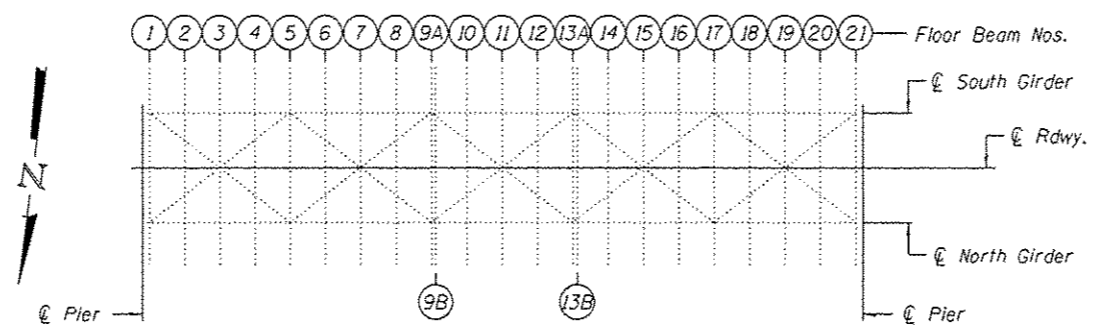
**ELEVATION**  
Looking West  
**ITEM 138**  
Span 5, FB 9A



**ELEVATION**  
Looking West  
**ITEM 156**  
Span 5, FB 5



**ELEVATION**  
Looking West  
**ITEM 160**  
Span 5, FB 13B



**PARTIAL FRAMING PLAN**  
**APPROACH SPAN 5**

**BOLT HOLE LEGEND**

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	680

DESIGNED VHV  
CHECKED DAB  
DRAWN baliva  
CHECKED VHV DAB

PASSED  
*Carl Ross*  
ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE OCTOBER 1, 2015  
REVISED  
REVISED

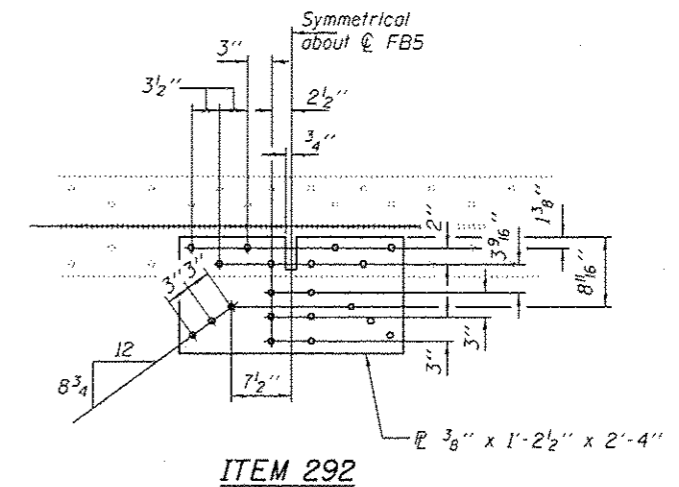
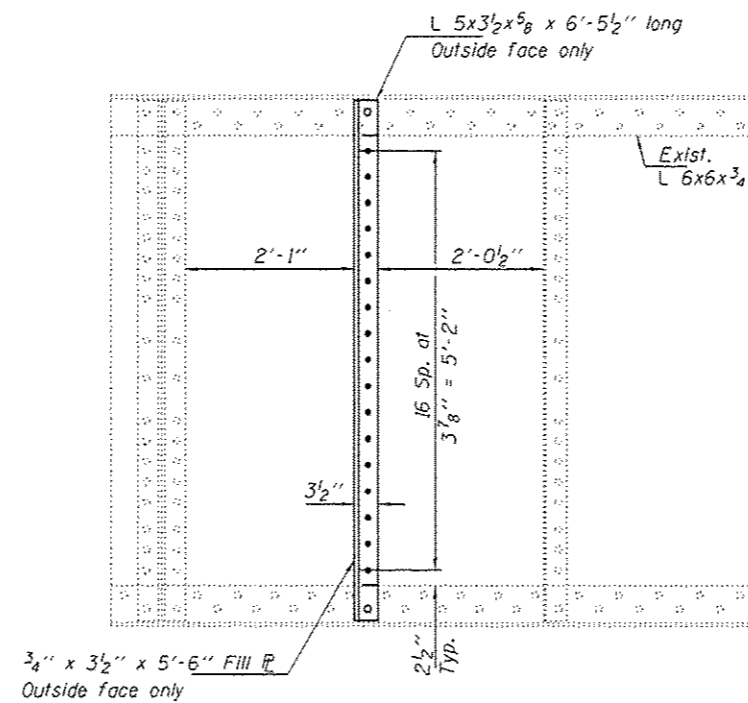
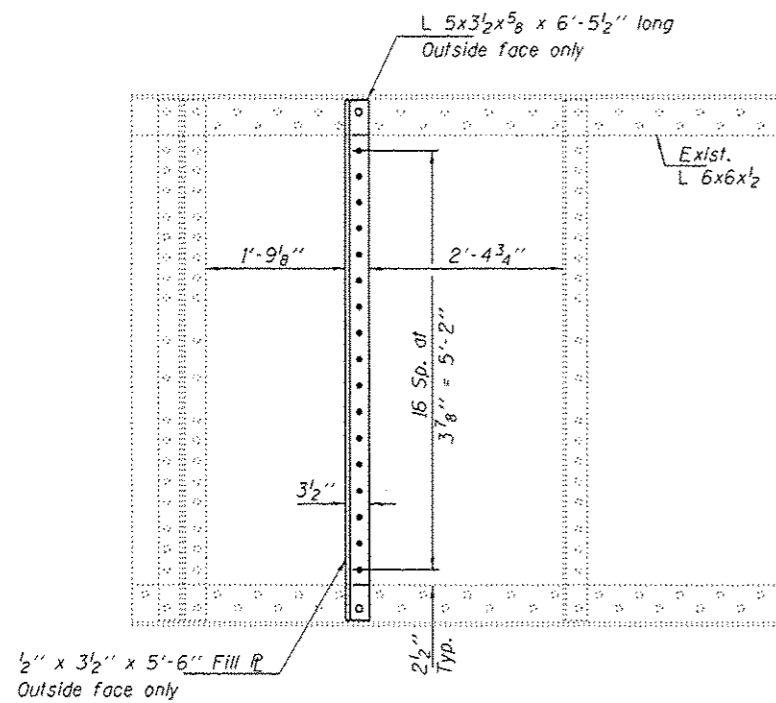
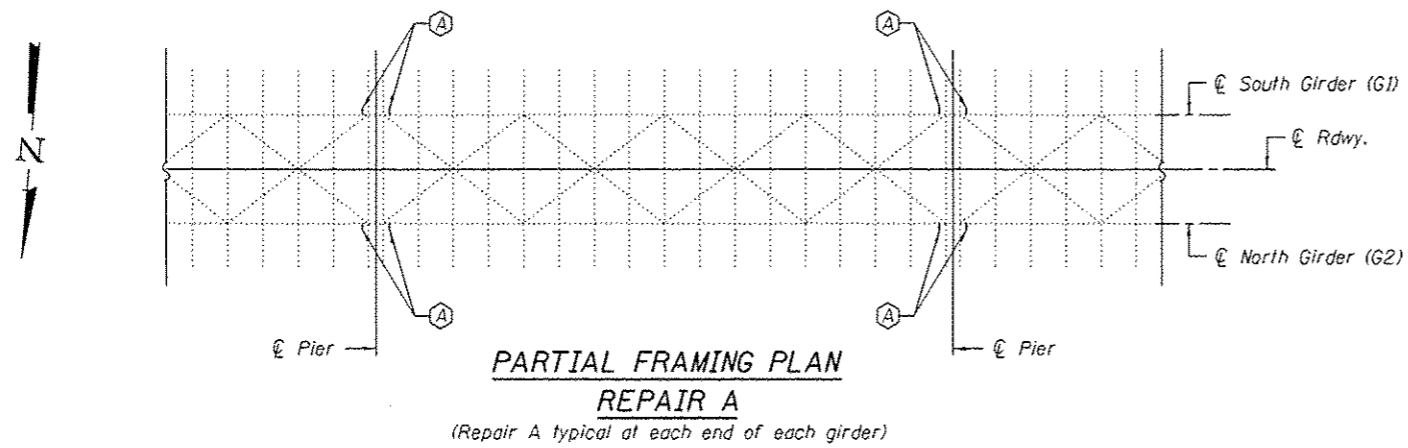
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FLOORBEAM REPAIR DETAILS SPAN 5  
SN 001-0019  
SHEET NO. 6 OF 24 SHEETS

F.A.P. RTE. 63	SECTION 112BH-1	COUNTY ADAMS	TOTAL SHEETS 45	SHEET NO. 9
CONTRACT NO. 72H65			ILLINOIS FED. AID PROJECT	

**BOLT HOLE LEGEND**

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.



**REPAIR A**

Fasteners shall be high strength bolts. Bolts  $3/4"$   $\phi$ , open holes  $13/16"$   $\phi$ , unless otherwise noted.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	9800

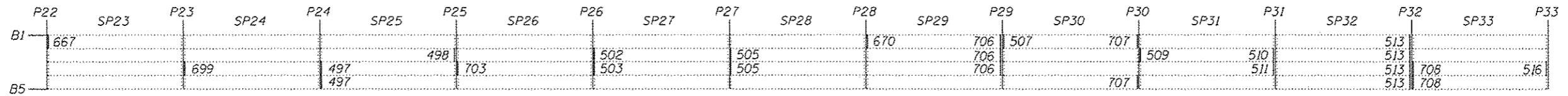
DESIGNED *VHV*  
CHECKED *DAB*  
DRAWN *baliva*  
CHECKED *VHV DAB*

DATE OCTOBER 1, 2015  
PASSED *[Signature]*  
ACTING ENGINEER OF BRIDGES AND STRUCTURES

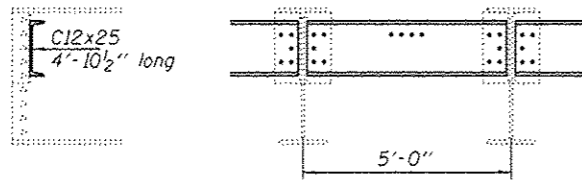
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

ADDITIONAL STIFFENERS AND REPAIR DETAILS SPANS 4, 6-8 & 11-21  
SN 001-0019  
SHEET NO. 7 OF 24 SHEETS

F.A.P. RTE. 63	SECTION 02B01-1	COUNTY ADAMS	TOTAL SHEETS 48	SHEET NO. 10
CONTRACT NO. T2H65			ILLINOIS FED. AID PROJECT	

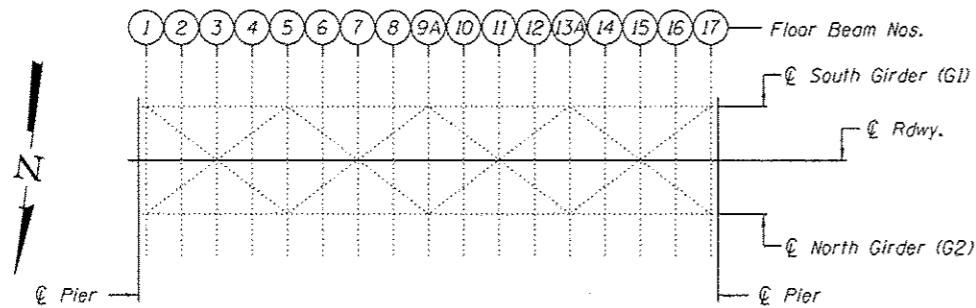


**DIAPHRAGM REPLACEMENT PLAN**

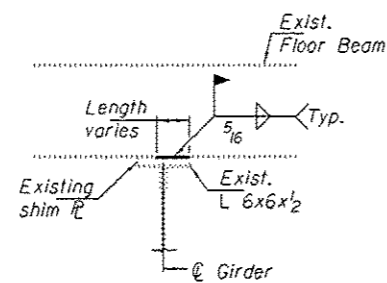


**SECTION**  
All holes to be field drilled

**DIAPHRAGM REPLACEMENT**  
For locations, see Diaphragm Replacement Plan and table on sheet 3 of 24. (27 Required)



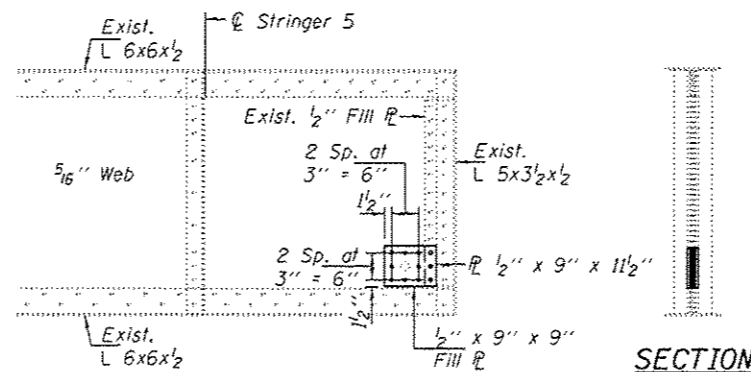
**PARTIAL FRAMING PLAN**  
**APPROACH SPANS 4, 6-8 & 11-21**



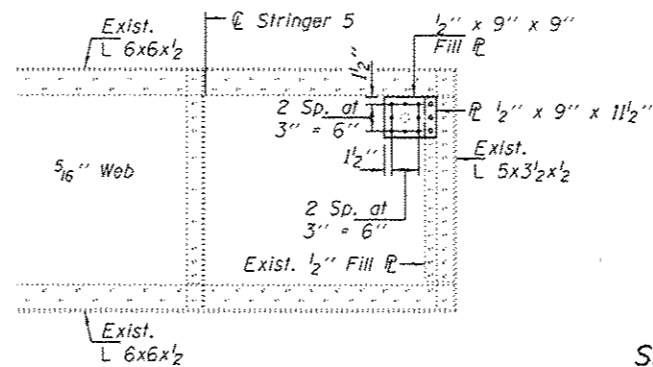
**FLOORBEAM TO BEARING**  
**PLATE WELD REPAIR**

ITEM	SPAN	GIRDER	FLOORBEAM	FLOORBEAM MEMBER SIZE
650	12	2	6	W21x44
389	13	2	2	W21x44
293	20	1 & 2	17	21CB58
662	21	2	1	21CB58
692	21	1	17	21CB58

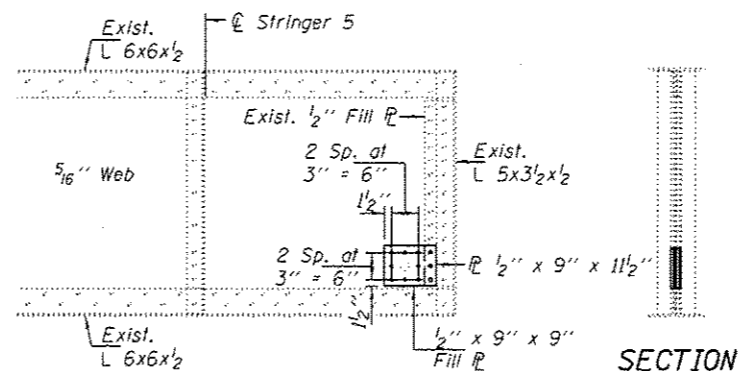
The Contractor shall grind all cracked welds parallel to the direction of the existing weld and not perpendicular to the weld.



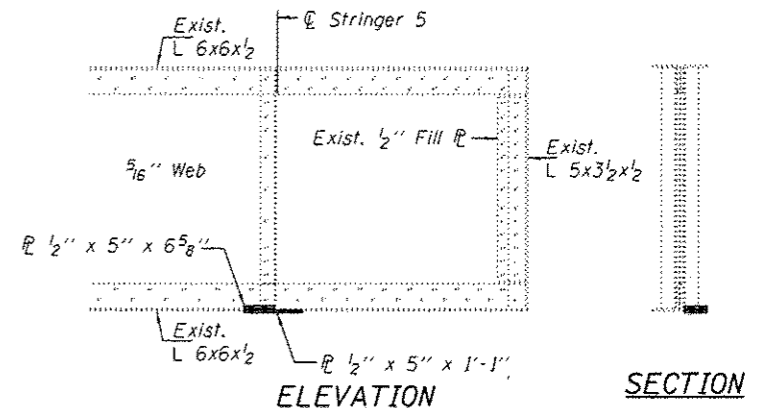
**ELEVATION**  
**ITEM 47**  
At L14'S



**ELEVATION**  
**ITEM 55**  
At L2'N



**ELEVATION**  
**ITEM 217**  
At L16'S



**PLAN**  
**ITEM 55**  
At L2'S

**BOLT HOLE LEGEND**

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	3590

DESIGNED VHV  
CHECKED DAB  
DRAWN baliva  
CHECKED VHV DAB

PASSED  
ACTING ENGINEER OF BRIDGES AND STRUCTURES

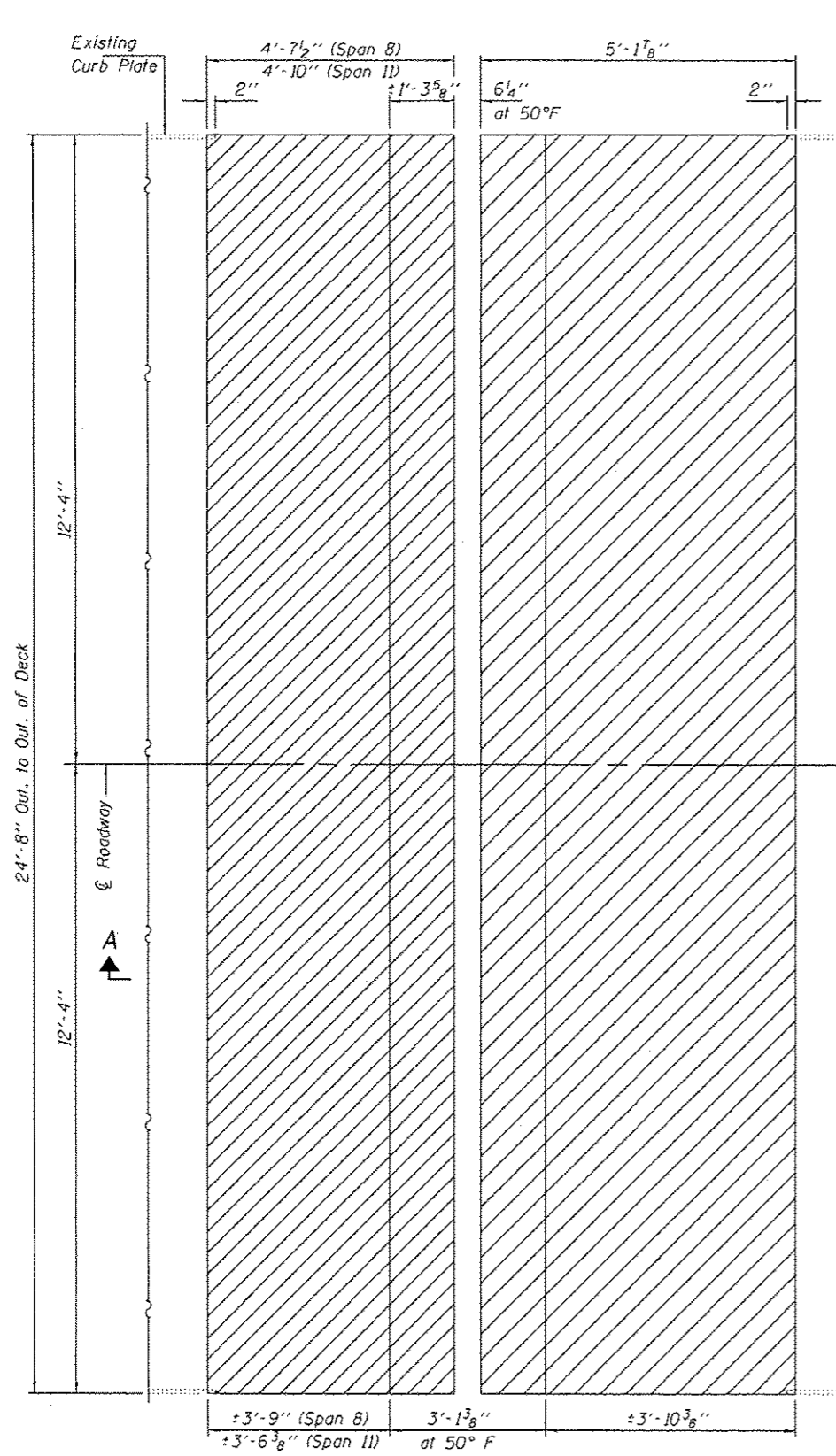
DATE OCTOBER 1, 2015  
REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM REPLACEMENT AND FLOORBEAM REPAIR DETAILS  
001-0019

SHEET NO. 8 OF 24 SHEETS

F.A.P. RTE. 63  
SECTION (1201-1)  
COUNTY ADAMS  
TOTAL SHEETS 45  
SHEET NO. 11  
CONTRACT NO. 72H65  
ILLINOIS FED. AID PROJECT

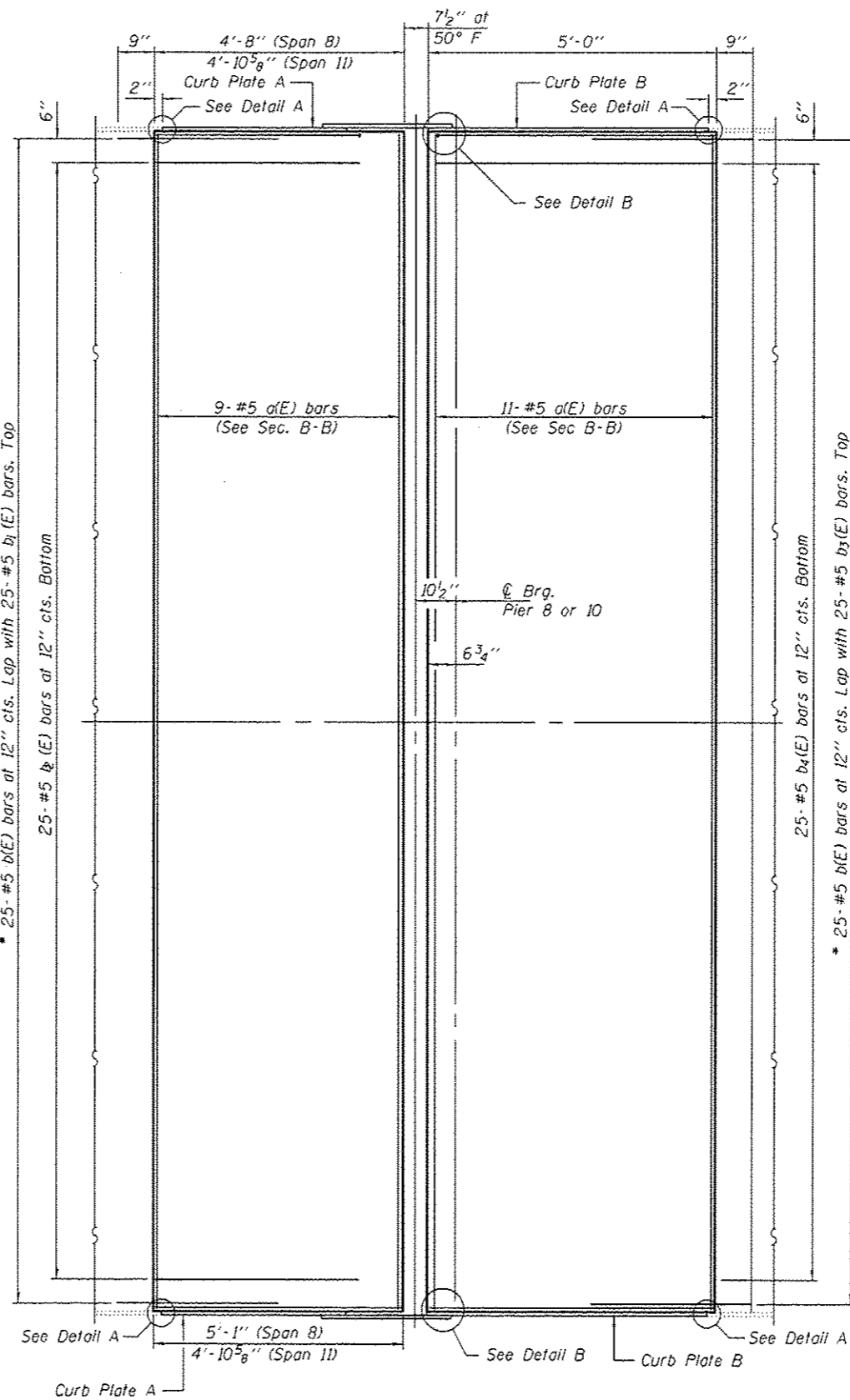


**CONCRETE REMOVAL AT PIERS 8 & 10**

Hatched areas indicate removal.

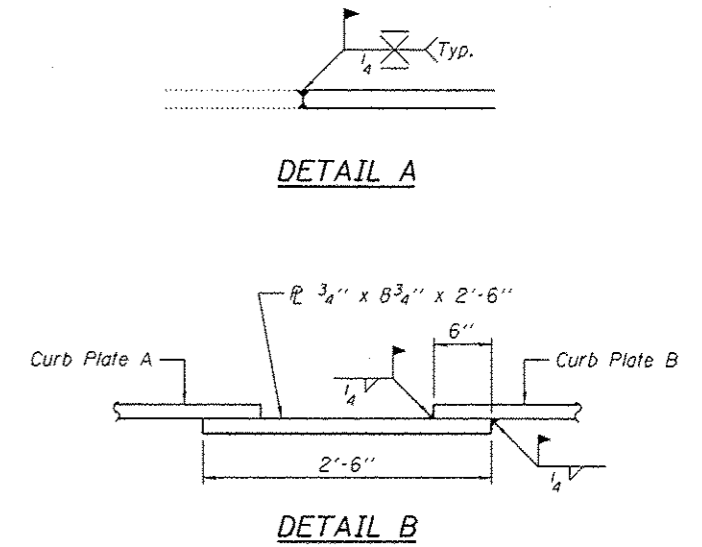
Note: If required, the cost of removal and reinstallation of existing rail posts and rail sections and all material necessary is included with Concrete Removal.

Note: For Sections A-A, B-B & curb plate details, see sheet 10 of 24.



**CONCRETE REPLACEMENT AT PIERS 8 & 10**

\* Epoxy grout b(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



DESIGNED ATH *Adrian J. Holloway*  
 CHECKED VHV *V. H. V. H.*  
 DRAWN Summer/bdliva  
 CHECKED ATH VHV

PASSED *A. Carl Perry*  
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

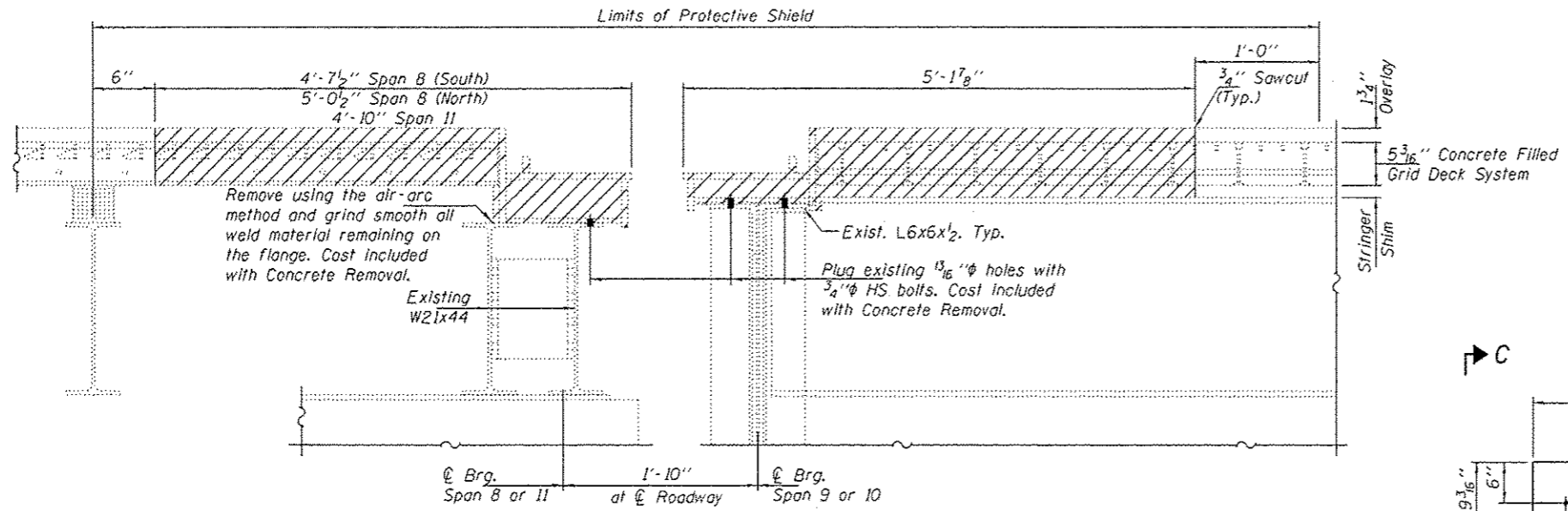
DATE OCTOBER 1, 2015  
 REVISED  
 REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL AND REPLACEMENT DETAILS  
 SN 001-0019

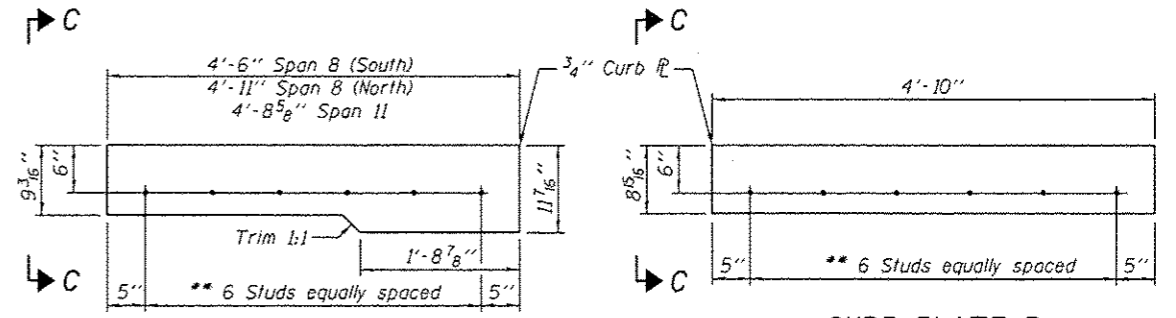
SHEET NO. 9 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	112B11-1	ADAMS	45	12
CONTRACT NO. T2H65				
ILLINOIS FED. AID PROJECT				



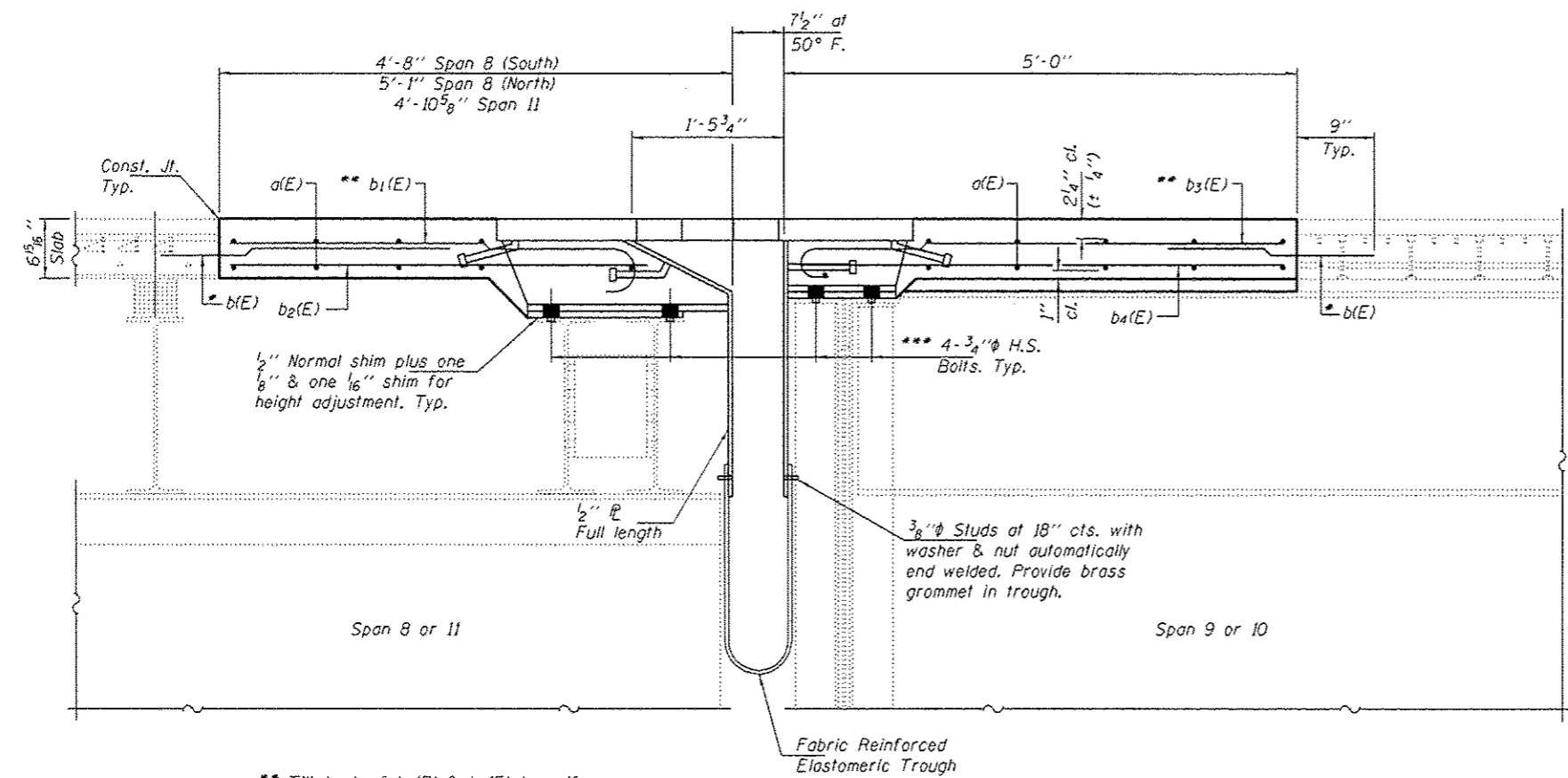
**SECTION A-A**  
Hatched areas indicate Concrete Removal

Note:  
The contractor must ensure that no damage is done to the existing grid to remain and the supporting stringers during removal operations. Any damage shall be repaired, to the satisfaction of the engineer, at the contractor's expense.



**CURB PLATE A**

**CURB PLATE B**

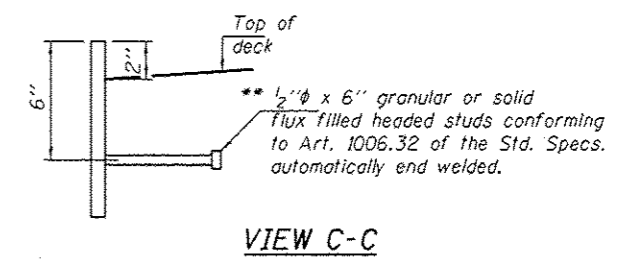


**SECTION B-B**

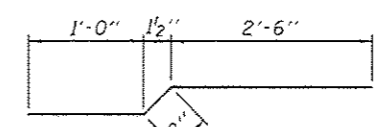
\*\* Till hook of  $b_1(E)$  &  $b_3(E)$  bars if necessary for  $1/2''$  min. cl.

\*\*\* With nut &  $3'' \times 3'' \times 3/8''$  square washer at each bolt.  $2'' \phi$  holes in stool flange. Field drill  $7/8'' \phi$  holes in existing beam flanges.

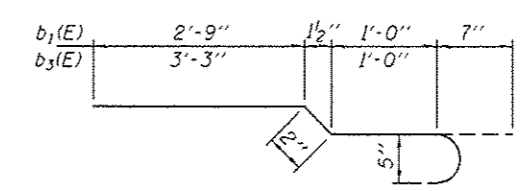
\* Epoxy grout  $b(E)$  bars in  $9''$  min. holes according to Article 584 of the Standard Specifications.



**VIEW C-C**



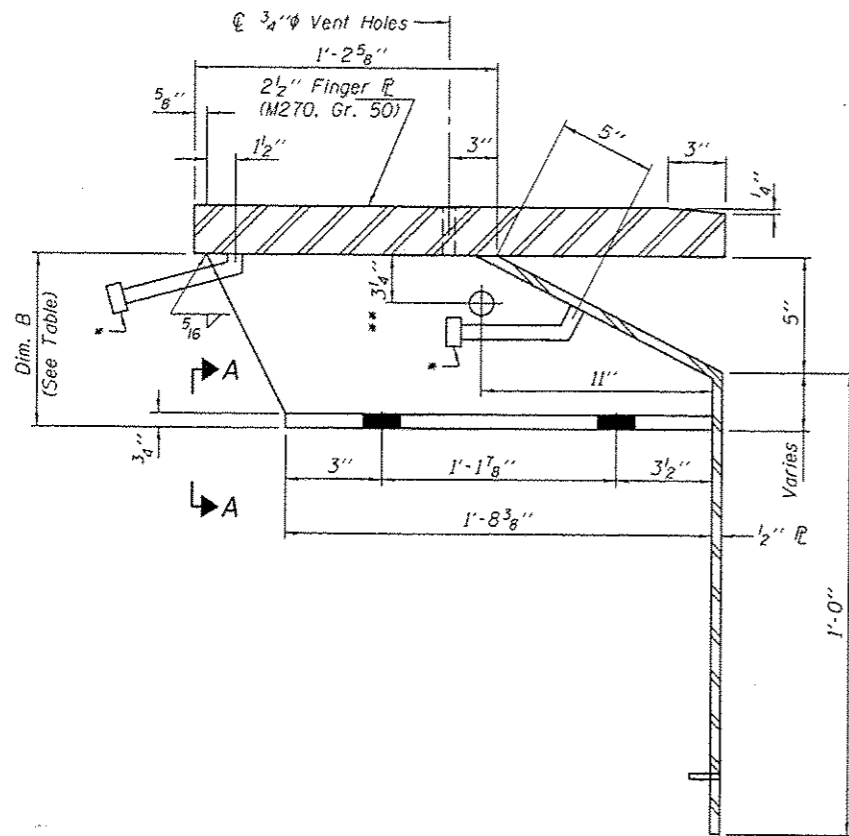
**BAR b(E)**



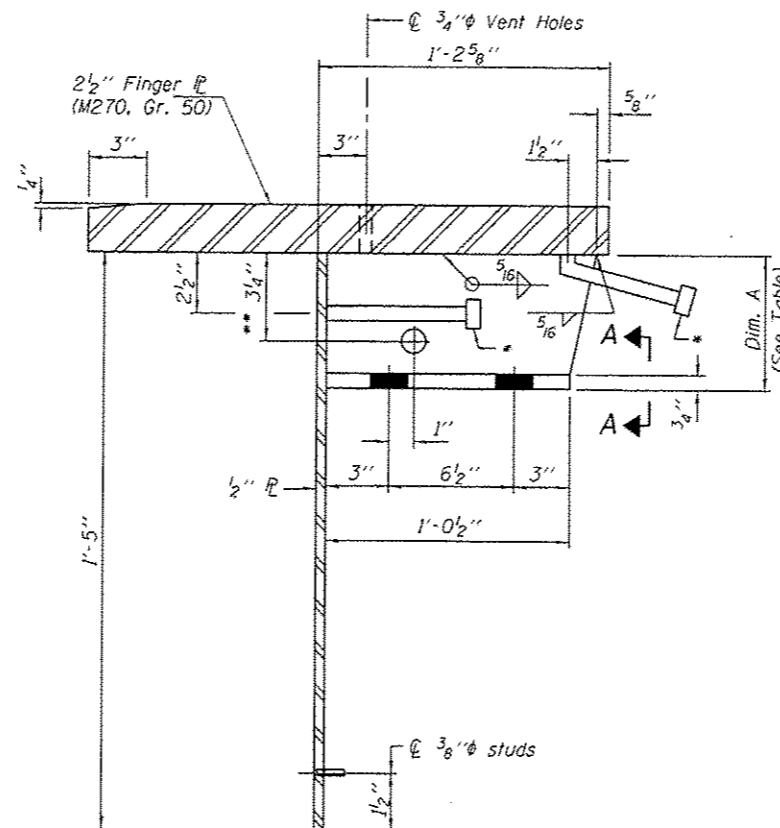
**BARS  $b_1(E)$  &  $b_3(E)$**

**BILL OF MATERIAL**

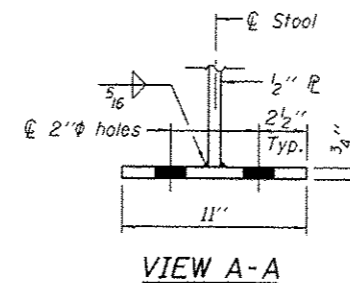
Bar	No.	Size	Length	Shape
$d(E)$	40	#5	24'-4"	—
$b(E)$	100	#5	3'-8"	—
$b_1(E)$	50	#5	4'-6"	—
$b_2(E)$	50	#5	4'-0"	—
$b_3(E)$	50	#5	5'-0"	—
$b_4(E)$	50	#5	4'-8"	—
Concrete Removal			Cu. Yd.	10.7
Concrete Superstructure			Cu. Yd.	10.7
Reinforcement Bars, Epoxy Coated			Lbs.	2350



STOOL "B" DETAILS AT PIERS 8 & 10



STOOL "A" DETAILS AT PIERS 8 & 10



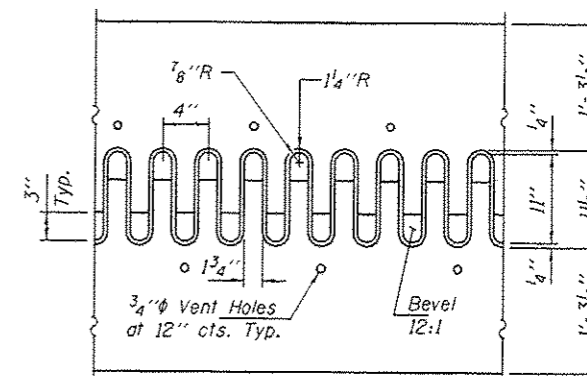
VIEW A-A

STOOL "A"

Stool No.	Dim. A
A1	4 1/16"
A2	4 3/8"
A3	4 1/16"
A4	5"
A5	5 5/16"
A6	5 5/8"
A7	5 5/16"
A8	6 1/4"

STOOL "B"

Stool No.	Dim. B
B1	6 9/16"
B2	6 7/8"
B3	7 3/16"
B4	7 1/2"
B5	7 13/16"
B6	8 1/8"
B7	8 7/16"
B8	8 3/4"

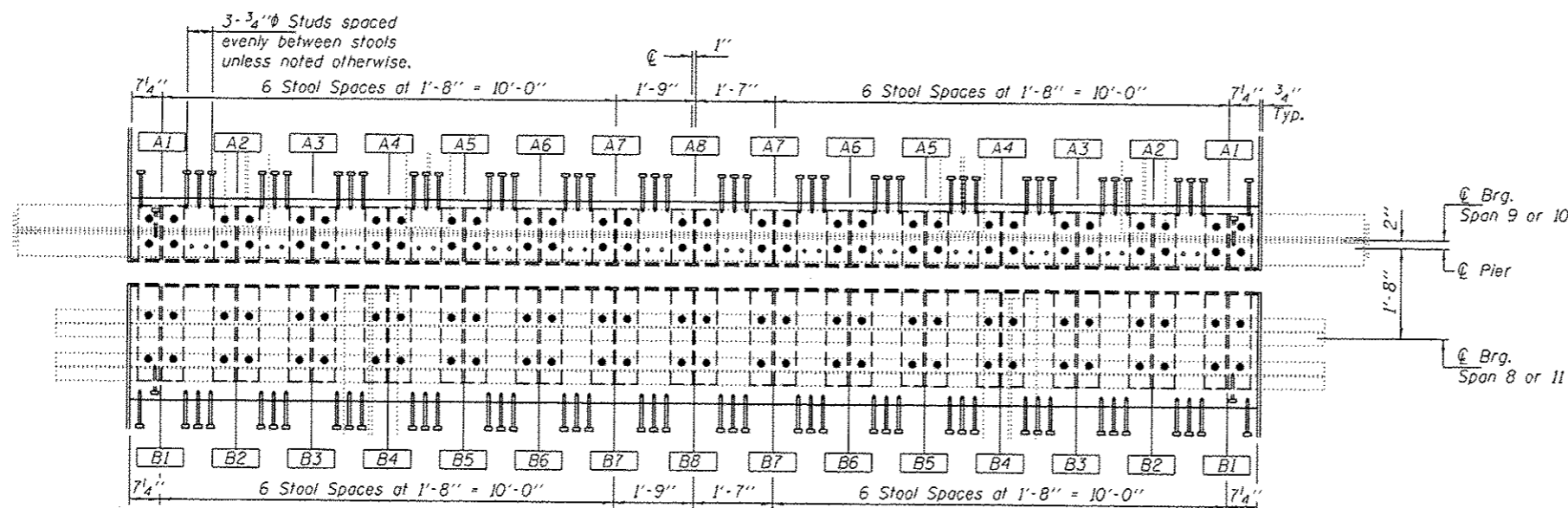


FLAME CUTTING DIAGRAM

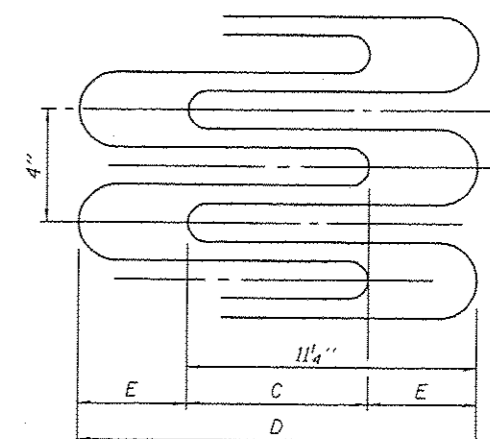
Cut From 2 1/2" x 3'-6" R

- \* 3/4" x 8" granular or solid flux filled headed studs conforming to Art. 1006.32 of the Std. Specs. automatically end welded.
- \*\* Drill 1" holes in stools for transverse reinforcement.

Note:  
AASHTO Classification M-270 Gr. 50 steel (NTR), shall be used throughout the finger plate joint



PLAN VIEW



JOINT OPENING GEOMETRY

Temp.	E	C	D
-30° F	9 3/4"	1 1/2"	1'-9"
50° F	5 1/4"	6"	1'-4 1/2"
130° F	3 1/4"	10 1/2"	1'-0"

Expansion length = 708.33'

DESIGNED ATH  
CHECKED VHV  
DRAWN Summer/baliva  
CHECKED ATH VHV

PASSED

ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE OCTOBER 1, 2015

REVISED

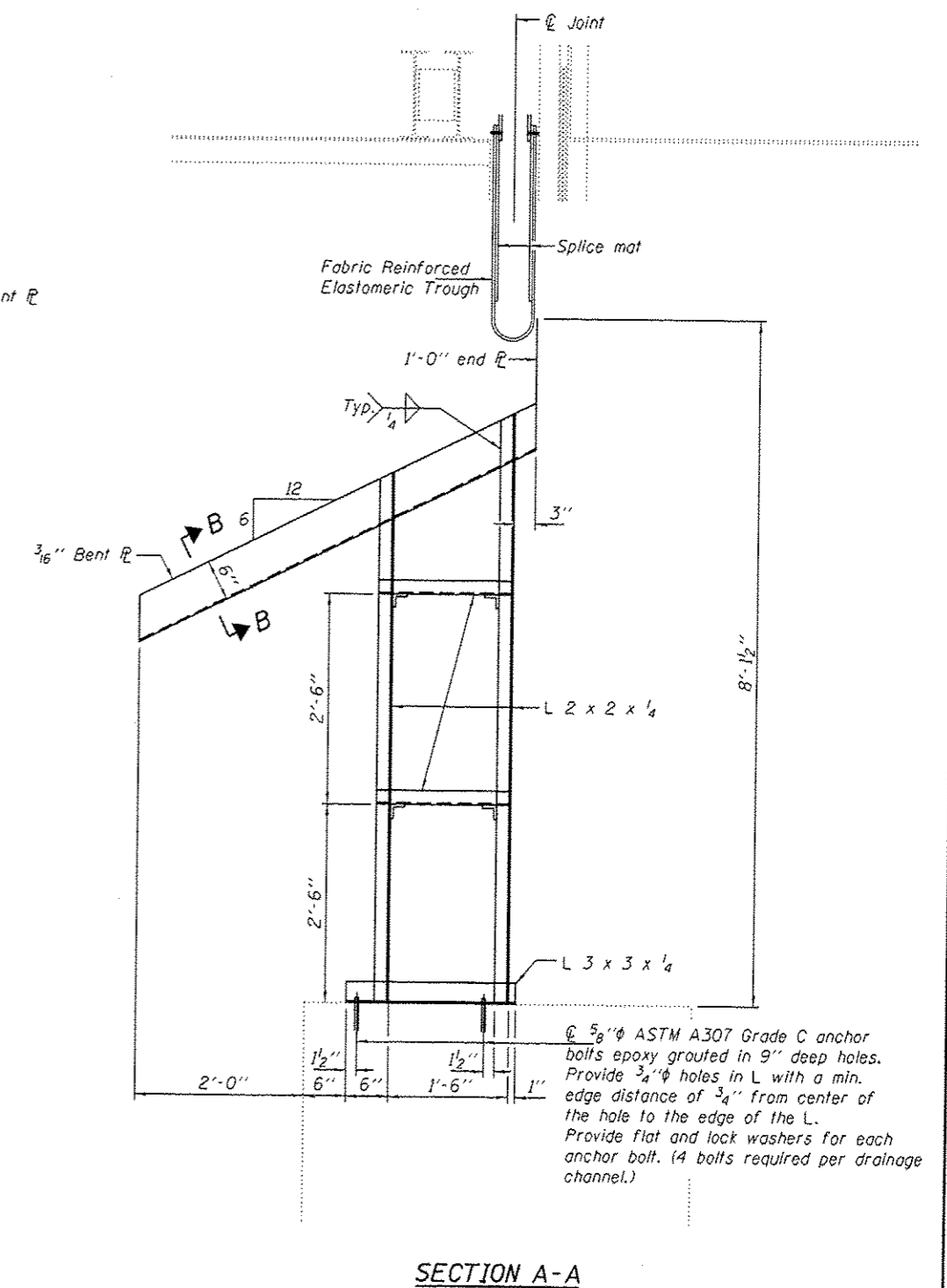
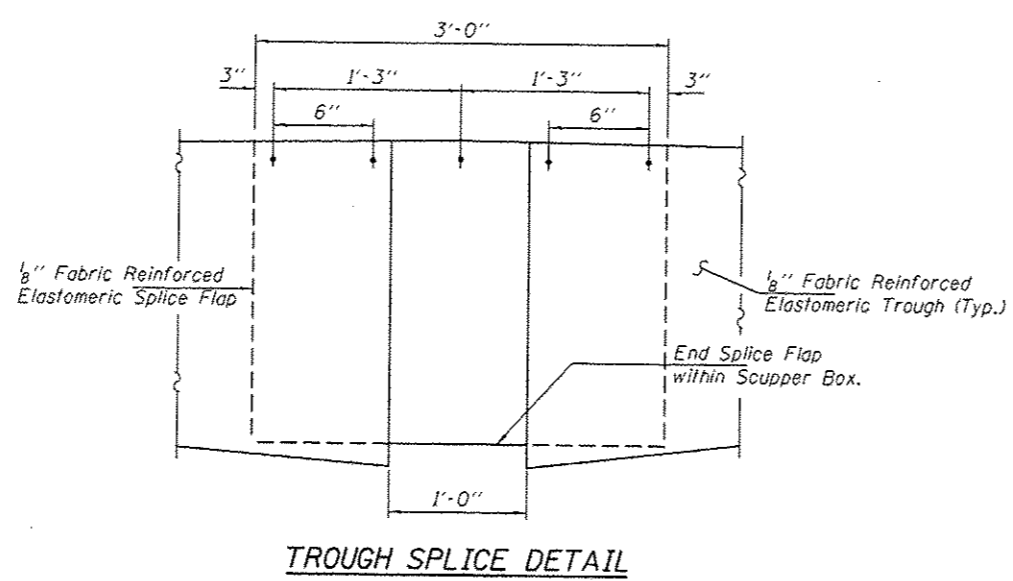
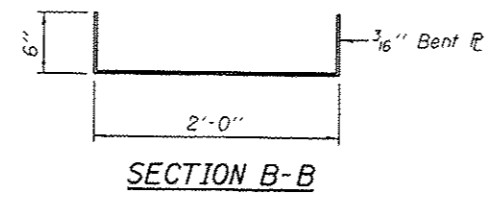
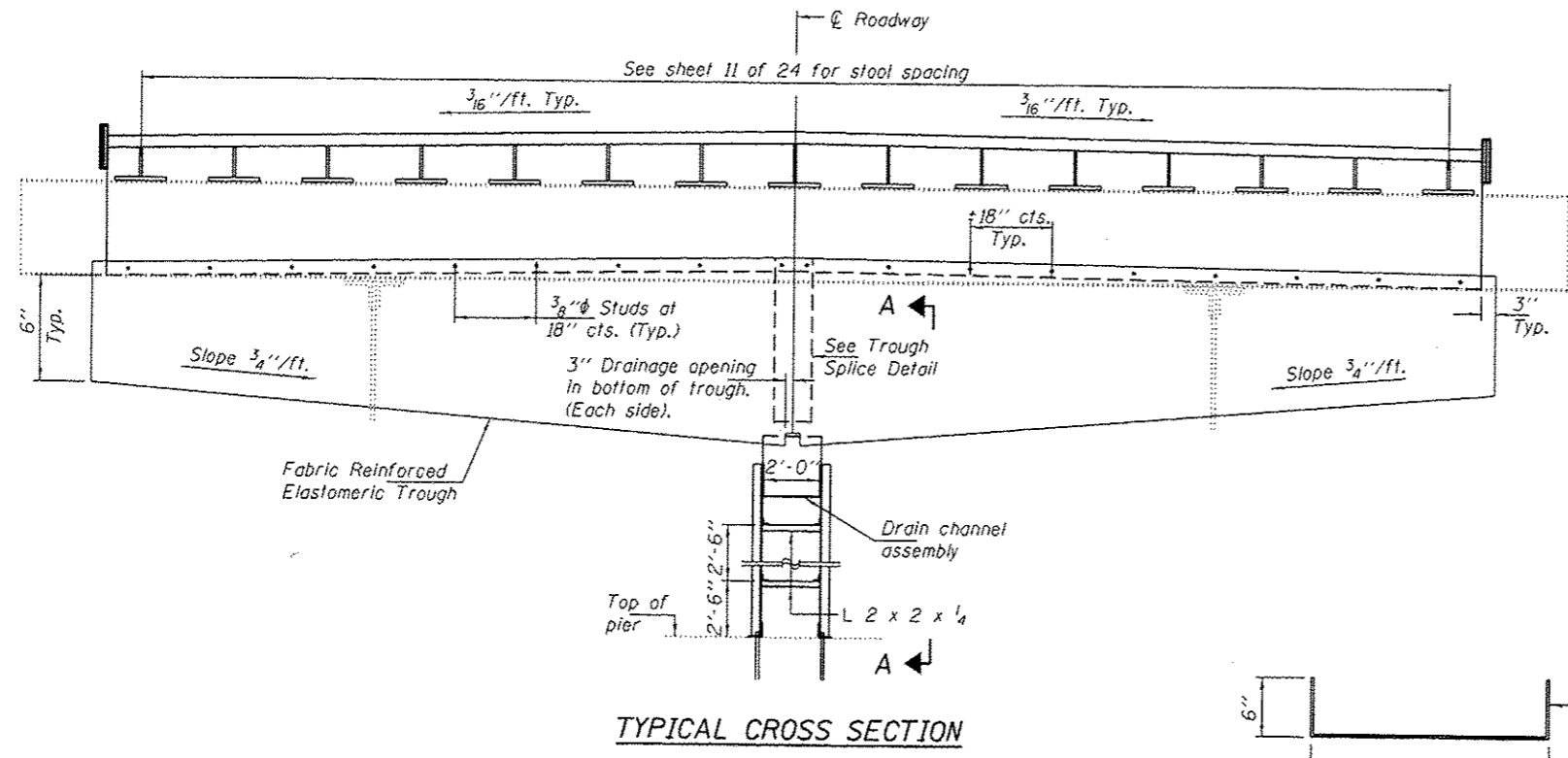
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PIER 8 & 10 FINGER PLATE DETAILS  
SN 001-0019

SHEET NO. 11 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(128)-1	ADAMS	45	14

CONTRACT NO. T2H65  
ILLINOIS FED. AID PROJECT



DESIGNED ATH  
 CHECKED VHV  
 DRAWN Summer/baliva  
 CHECKED ATH VHV

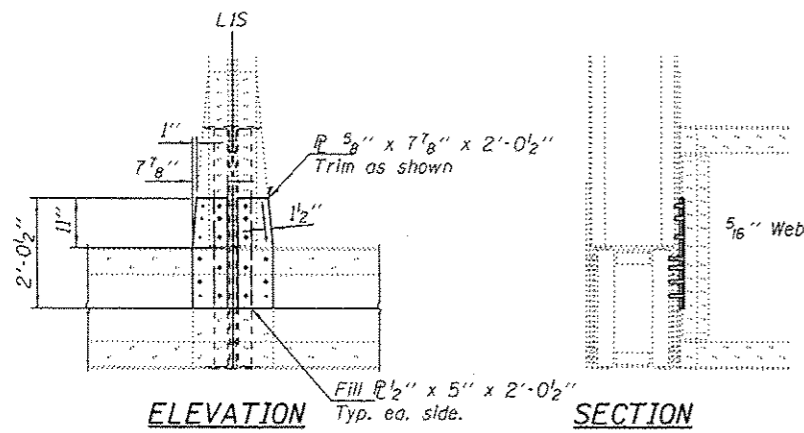
PASSED  
 DATE OCTOBER 1, 2015  
 REVISED  
 REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PIER 8 & 10 FINGER PLATE DETAILS  
 SN 001-0019  
 SHEET NO. 12 OF 24 SHEETS

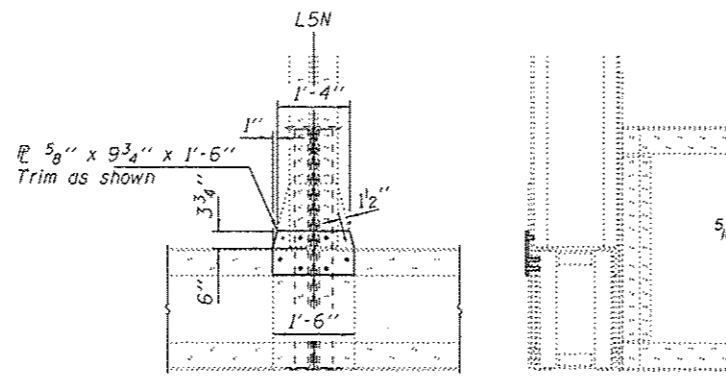
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	1128H-1	ADAMS	43	15

CONTRACT NO. 72H65  
 ILLINOIS FED. AID PROJECT



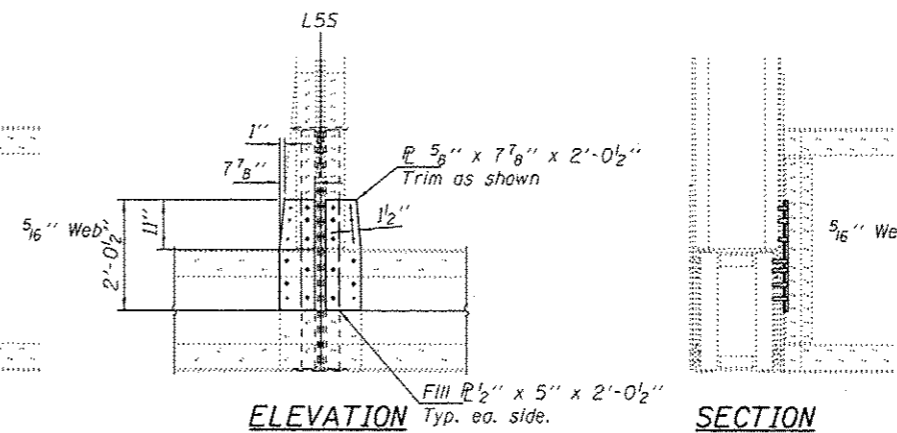
**ELEVATION** *Fill P 1/2" x 5" x 2'-0 1/2"*  
*Typ. ea. side.* **SECTION**

**ITEM 544**  
(Inside gusset plate)



**ELEVATION** **SECTION**

**ITEM 557**  
(Outside gusset plate)



**ELEVATION** *Fill P 1/2" x 5" x 2'-0 1/2"*  
*Typ. ea. side.* **SECTION**

**ITEM 556**  
(Inside gusset plate)

**GUSSET PLATE REPAIR NOTES**

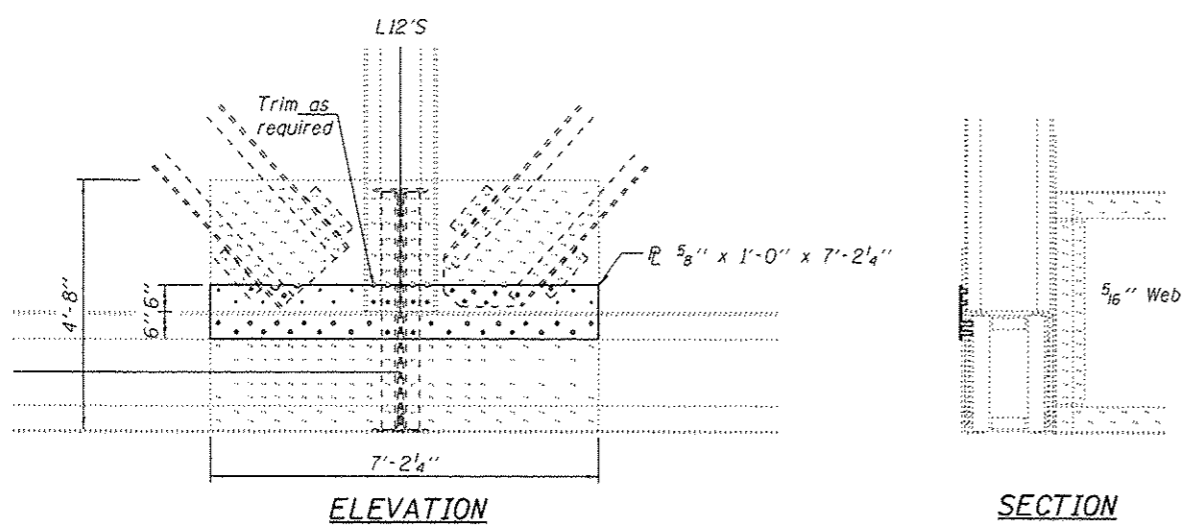
Trimming of repair plates and fill plates to accommodate existing fasteners not used in the repair shall be done by saw cutting or grinding. Minimum radius of 1" shall be maintained. Flame cutting will not be allowed. All cut edges shall be ground smooth to an ANSI 250 finish.

Any miscellaneous attachments to the gusset plates shall be removed, temporarily supported, modified to fit the repaired condition, and reinstalled after the gusset plate repairs are completed. Installation methods to be approved by the engineer. Cost included in the cost of Structural Steel Repair.

Contractor shall install repair plates and fill plates one at a time, on the inside gusset plate, followed by the installation of the repair plates, one at a time on the outside gusset plate.

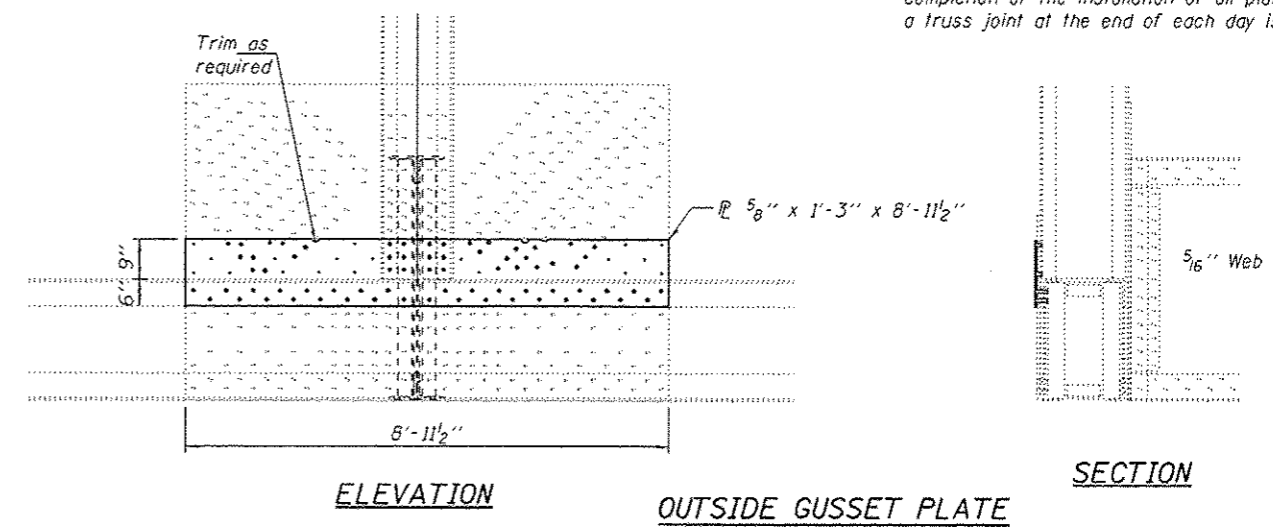
For each repair plate, the contractor may remove all rivets to be replaced at the same time to facilitate fit-up and match-marking of holes.

The contractor shall complete the installation of individual plates at the end of each day. The completion of the installation of all plates within a truss joint at the end of each day is not required.



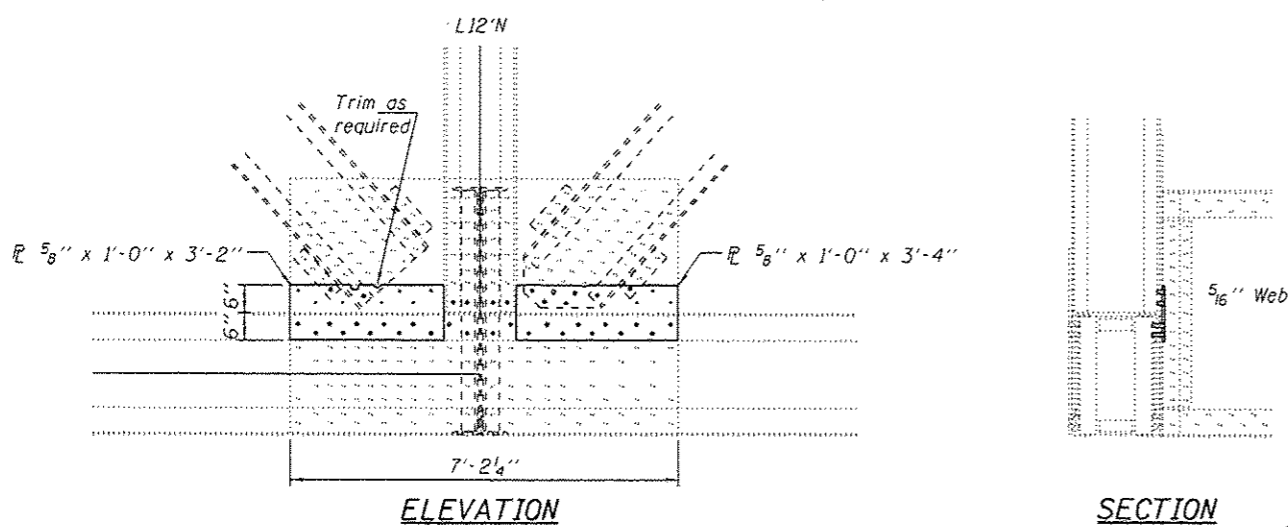
**ELEVATION** **SECTION**

**ITEM 254**  
(Outside gusset plate)



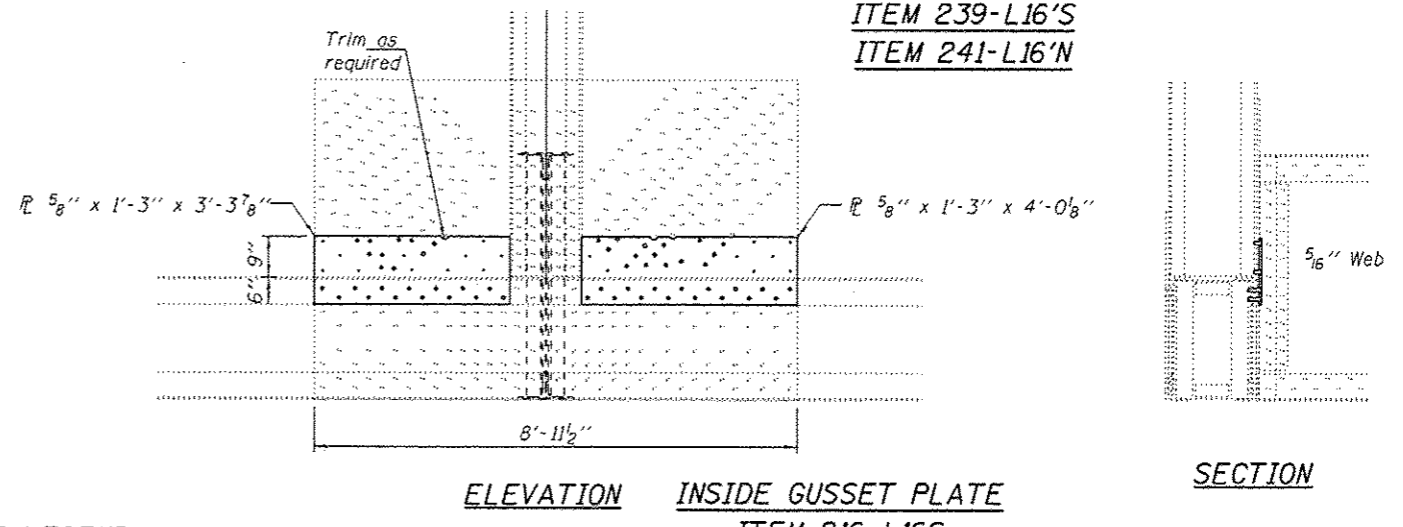
**ELEVATION** **SECTION**

**OUTSIDE GUSSET PLATE**  
**ITEM 215-L16S**  
**ITEM 219-L16N**  
**ITEM 239-L16'S**  
**ITEM 241-L16'N**



**ELEVATION** **SECTION**

**ITEM 255**  
(Inside gusset plate)



**ELEVATION** **SECTION**

**INSIDE GUSSET PLATE**  
**ITEM 216-L16S**  
**ITEM 218-L16N**  
**ITEM 240-L16'S**  
**ITEM 242-L16'N**

**BOLT HOLE LEGEND**

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	3230

DESIGNED *VHV*  
CHECKED *DAB*  
DRAWN *baliva*  
CHECKED *VHV DAB*

DATE OCTOBER 1, 2015  
PASSED *[Signature]*  
ACTING ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

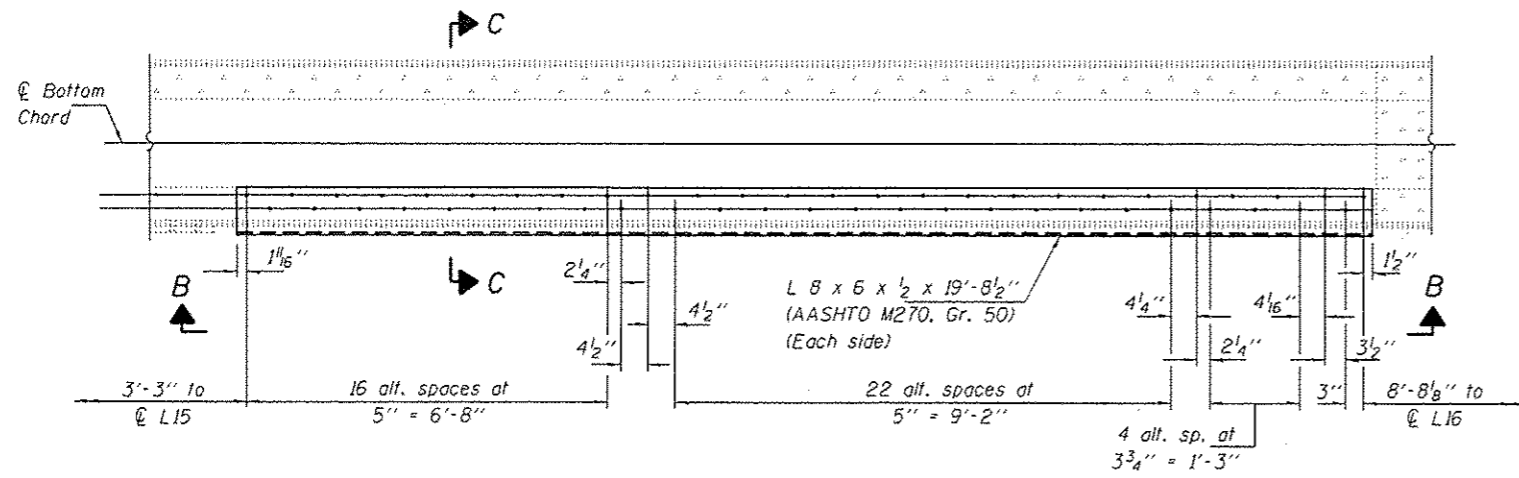
GUSSET PLATE REPAIR DETAILS SPANS 9 & 10  
SN 001-0019

SHEET NO. 13 OF 24 SHEETS

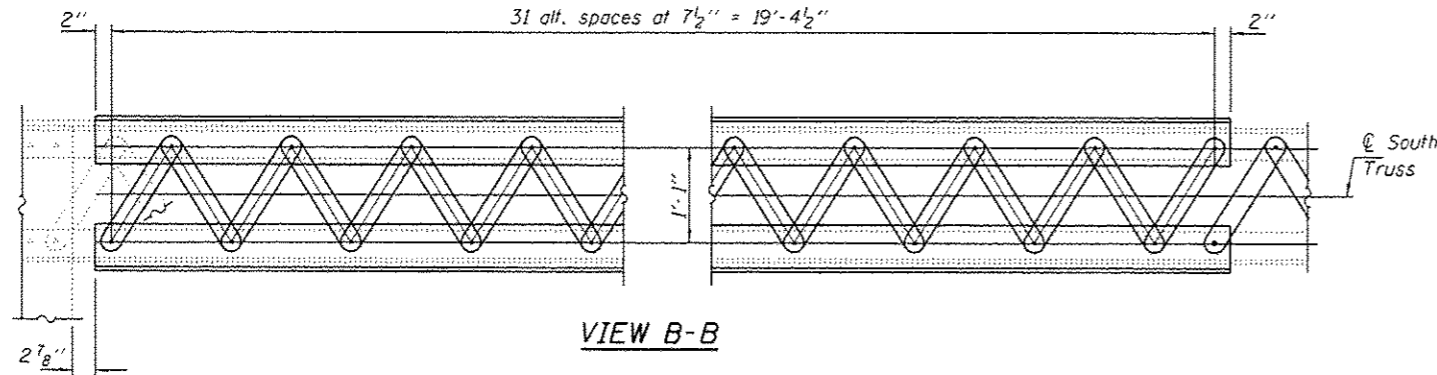
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	428H-7	ADAMS	45	16

CONTRACT NO. T2H65  
ILLINOIS FED. AID PROJECT





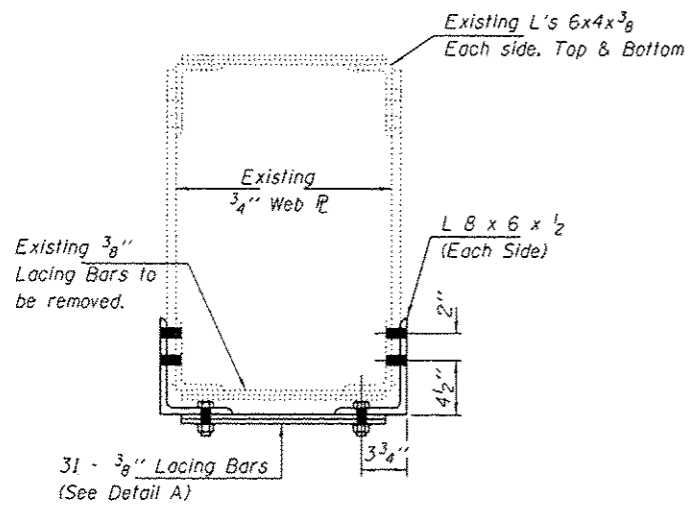
**ELEVATION BOTTOM CHORD REPAIR**  
Span 9, North & South Truss  
L15 to L16



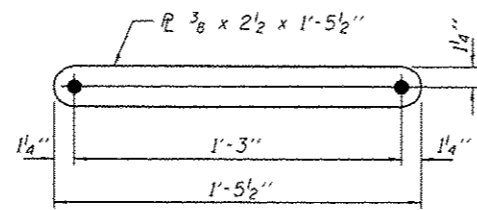
**VIEW B-B**

**PROCEDURE FOR BOTTOM CHORD REPAIR:**

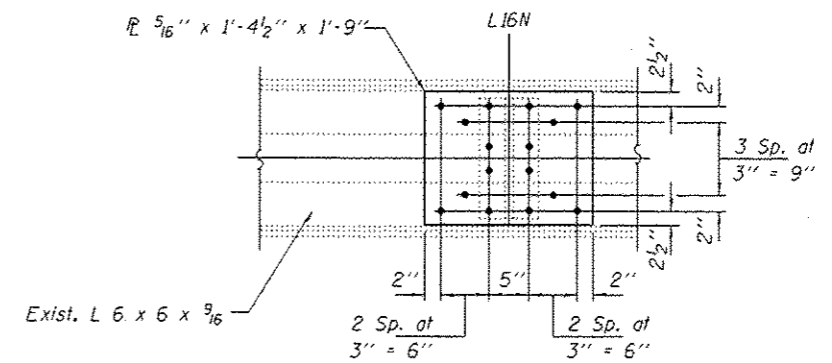
1. Remove all existing bottom lacing bars; remove existing rivets in bottom angles (maximum 2 rivets at a time) and replace with 7/8" φ H.S. Bolts, finger tighten nut with nut facing out prior to next rivet removal.
2. After all rivets are replaced with bolts, remove nuts from existing angle (leaving bolts in place) and attach new bottom angle with bolts for lacing bars in place with nuts facing down. Fasten new lacing bars to angles.



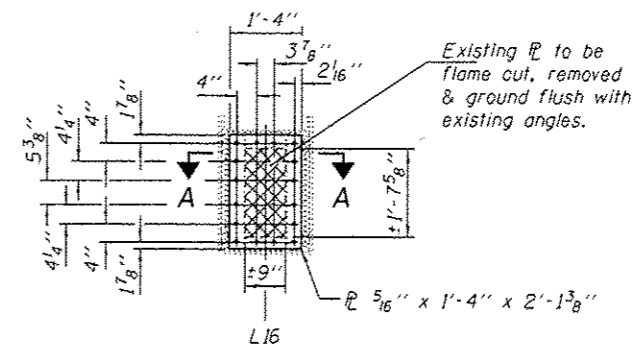
**SECTION C-C**



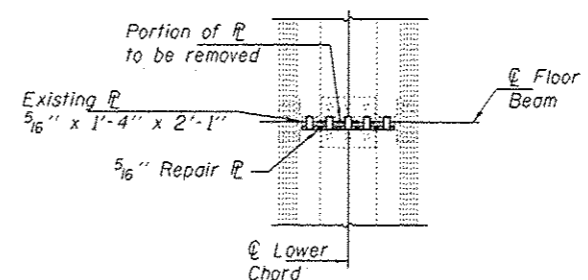
**DETAIL A**



**L15N - L16N  
STAY PL REPAIR**  
(1 Req'd)



**ELEVATION**



**SECTION A-A  
ITEMS 214 & 109**

**BOLT HOLE LEGEND**

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	2370

DESIGNED VHV  
CHECKED DAB  
DRAWN baliva  
CHECKED VHV DAB

PASSED

*Carl Perry*  
ACTING ENGINEER OF BRIDGES AND STRUCTURES

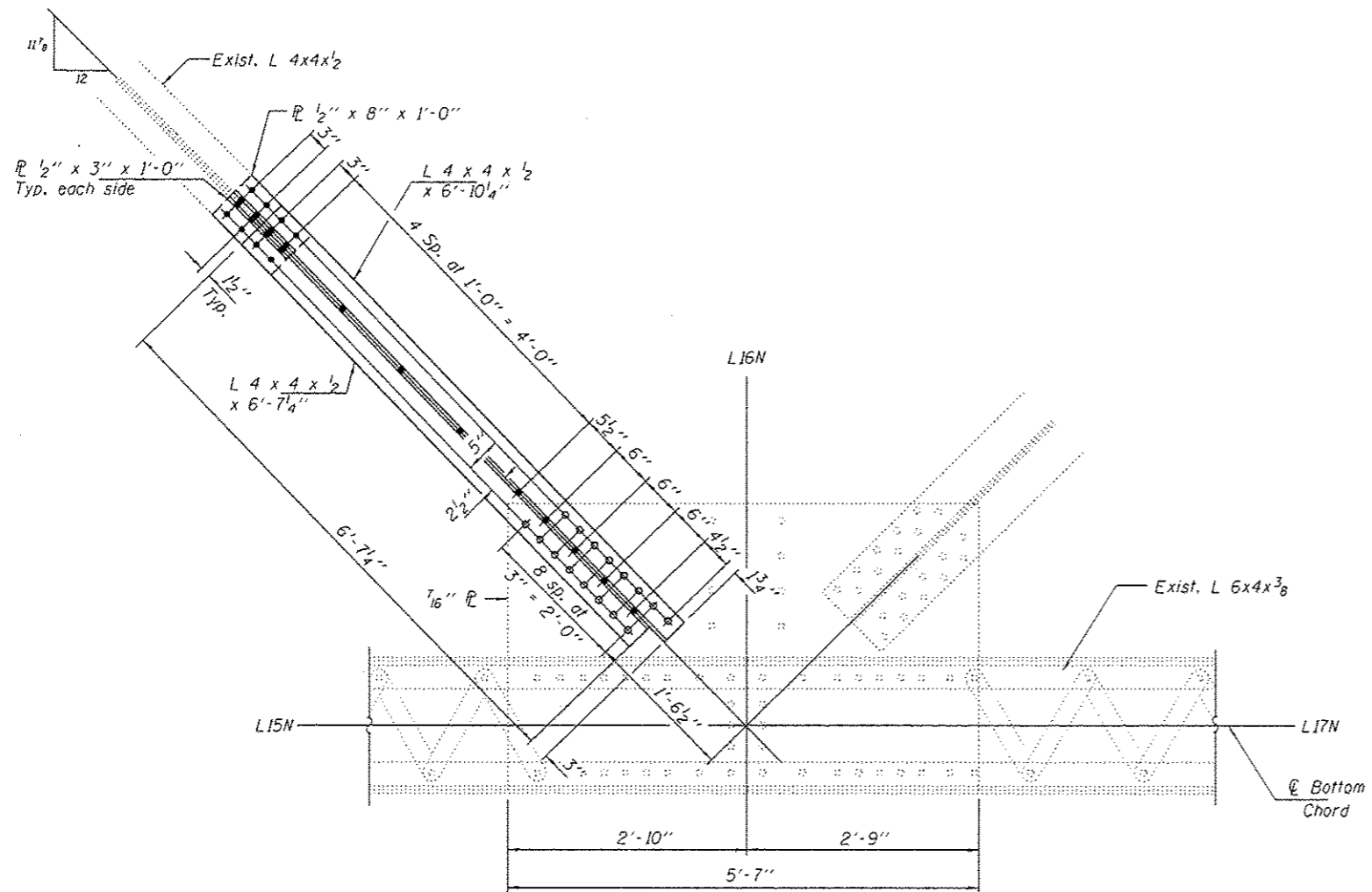
DATE OCTOBER 1, 2015  
REVISED  
REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

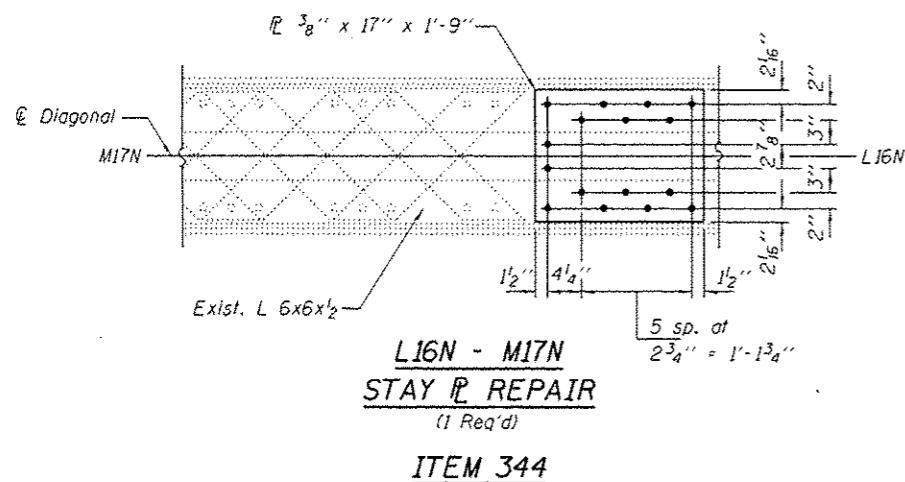
TRUSS MEMBER REPAIR DETAILS SPANS 9 & 10  
SN 001-0019

SHEET NO. 14 OF 24 SHEETS

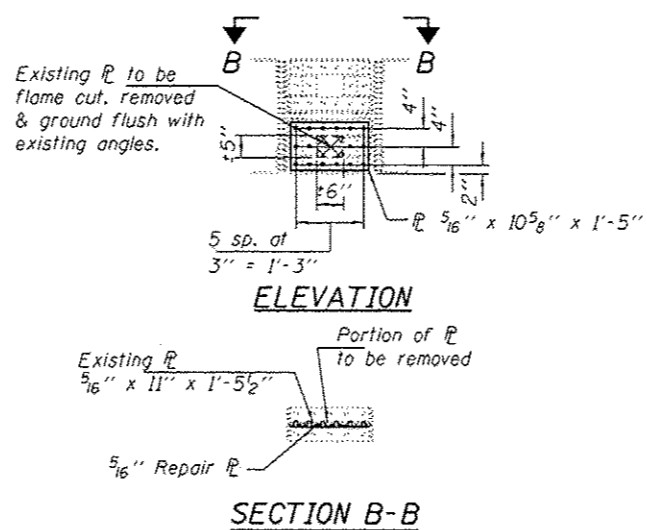
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12)B1-7	ADAMS	45	17
				CONTRACT NO. 72H65
ILLINOIS FED. AID PROJECT				



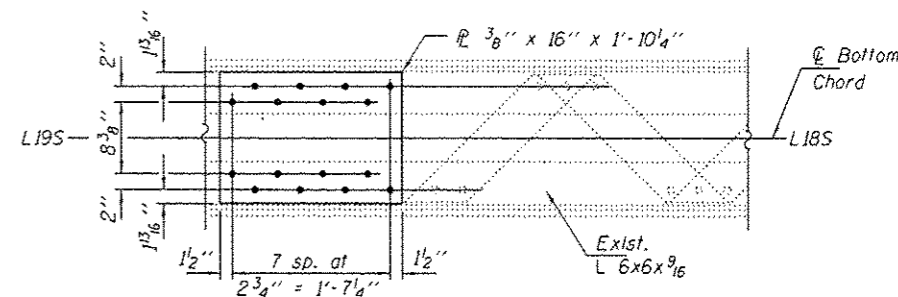
**LATERAL BRACING REPAIR  
AT L16N  
ITEM 592**



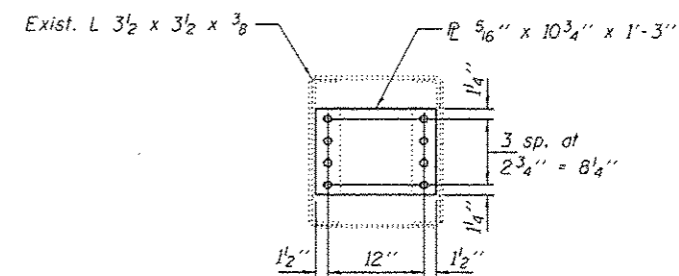
**L16N - M17N  
STAY PLATE REPAIR  
(1 Req'd)  
ITEM 344**



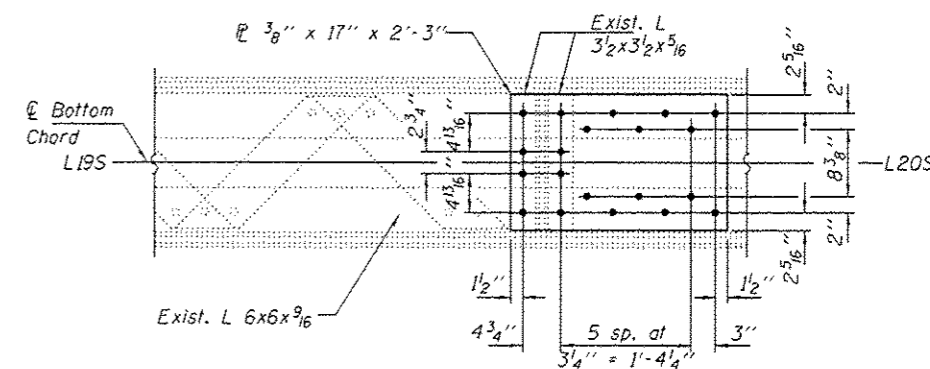
**SECTION B-B  
ITEM 606**



**L18S - L19S  
STAY PLATE REPAIR  
(1 Req'd)  
ITEM 347**



**L20S - U20S  
DIAPHRAGM PLATE REPAIR  
(1 Req'd)  
ITEM 608**



**L19S - L20S  
STAY PLATE REPAIR  
(1 Req'd)  
ITEM 144**

**BOLT HOLE LEGEND**

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	390

DESIGNED VHV  
CHECKED DAB  
DRAWN baliva  
CHECKED VHV DAB

PASSED

*A. Carl Perry*  
ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE OCTOBER 1, 2015  
REVISED  
REVISED

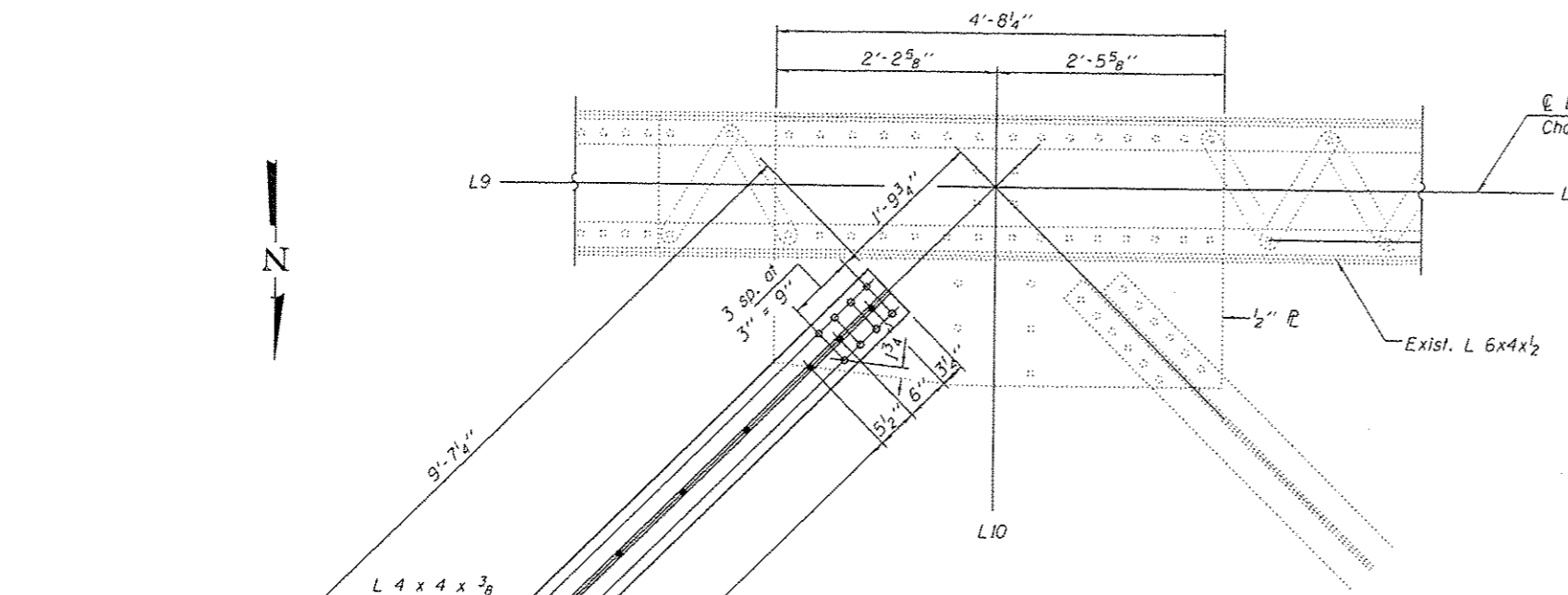
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRUSS MEMBER REPAIR DETAILS SPANS 9 & 10  
SN 001-0019

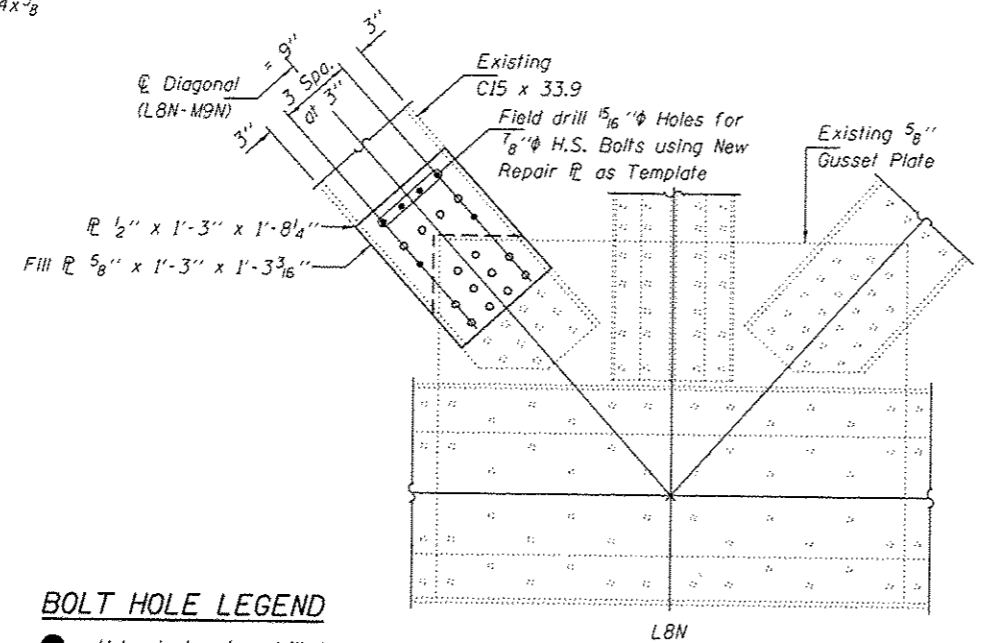
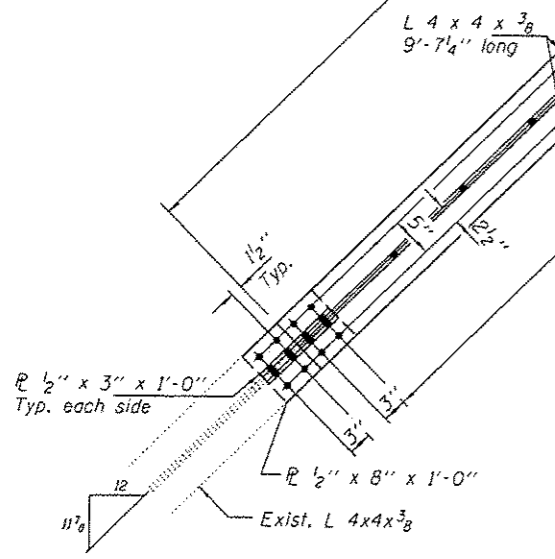
SHEET NO. 15 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	112B1-1	ADAMS	45	18

CONTRACT NO. 72H65  
ILLINOIS FED. AID PROJECT

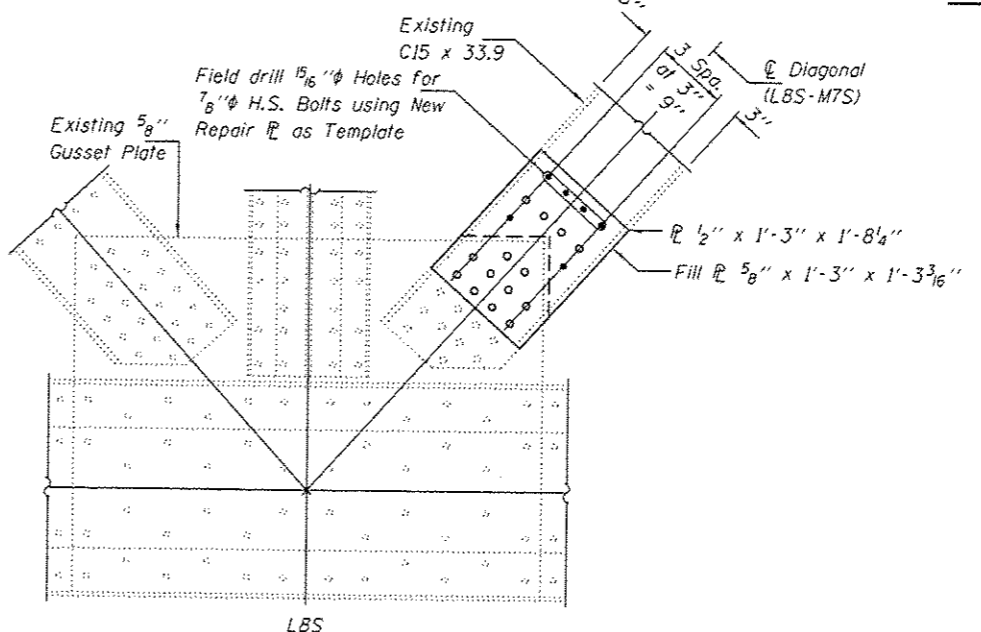


**LATERAL BRACING REPAIR  
AT L10  
ITEM 197**



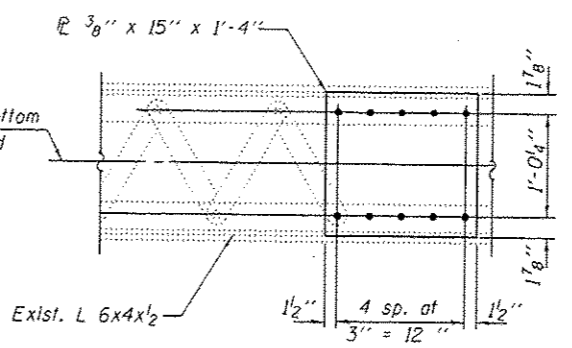
**TYPICAL INSIDE AND OUTSIDE  
ITEM 573**

**BOLT HOLE LEGEND**  
 ● - Holes to be shop drilled.  
 ○ - Holes to be field drilled using existing holes as template.

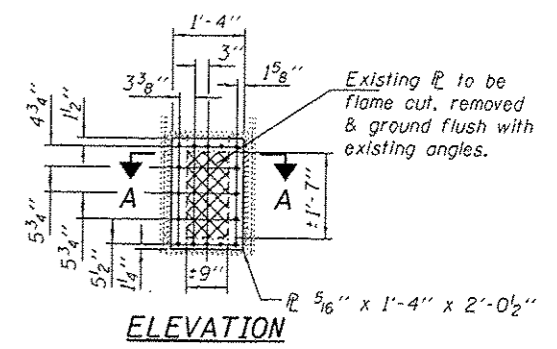


**TYPICAL INSIDE AND OUTSIDE  
ITEM 333**

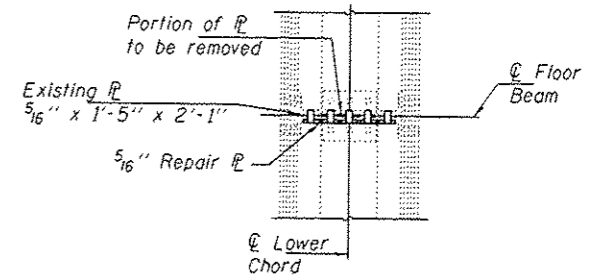
**PROCEDURE TO STRENGTHEN DIAGONAL & CONNECTION  
AT LBS - M7S (ITEM 333) & LBN - M9N (ITEM 573):**  
 1. Remove existing rivets in channel at gusset plate (Max. 2 rivets at a time), and replace with 7/8" H.S. bolts, finger tighten nut with nut facing out prior to next rivet removal.  
 2. After all rivets are replaced with bolts, remove nuts from gusset plate (leaving bolts in place) and attach new fill plate & repair plate.  
 3. Field drill holes in diagonal member and install remainder of bolts.



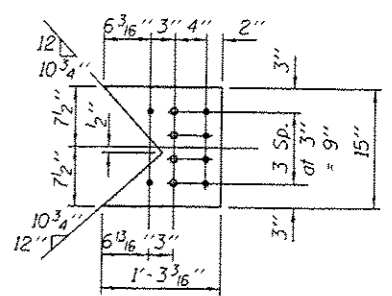
**L10'S - L11'S  
STAY PLATE REPAIR  
(1 Req'd)  
ITEM 630**



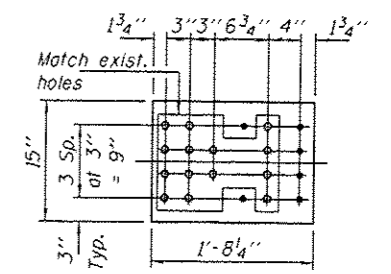
**ELEVATION**



**SECTION A-A  
ITEM 104 LIS - L2S AT LIS  
ITEM 607 L19N - L20N AT L20N  
DIAPHRAGM PLATE REPAIR**



**5/8" FILL PLATE  
L 5/8" x 1'-3" x 1'-3 3/16"**



**REPAIR PLATE  
L 1/2" x 1'-3" x 1'-8 1/4"  
15/16" Holes**

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	720

DESIGNED VHV  
 CHECKED DAB  
 DRAWN baliva  
 CHECKED VHV DAB

DATE OCTOBER 1, 2015  
 PASSED  
 ACTING ENGINEER OF BRIDGES AND STRUCTURES  
 REVISED  
 REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

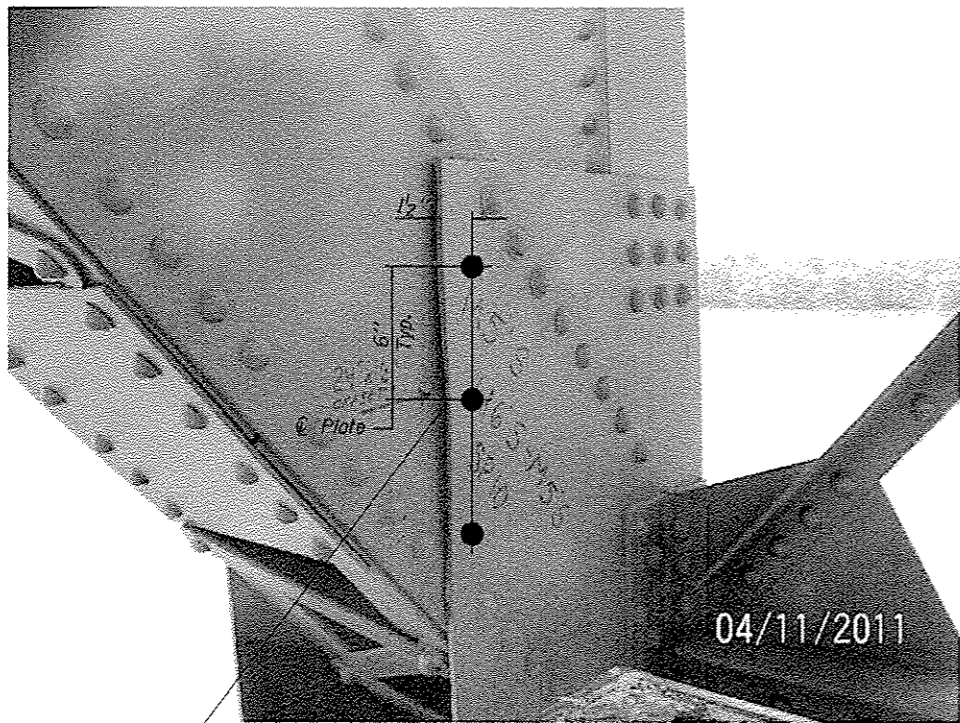
TRUSS MEMBER REPAIR DETAILS SPANS 9 & 10  
 SN 001-0019

F.A.P. RTE. 63  
 SECTION 12B11-1  
 COUNTY ADAMS  
 TOTAL SHEETS 45  
 SHEET NO. 19  
 CONTRACT NO. 72H65

Reattach loose brackets. (3 Required)

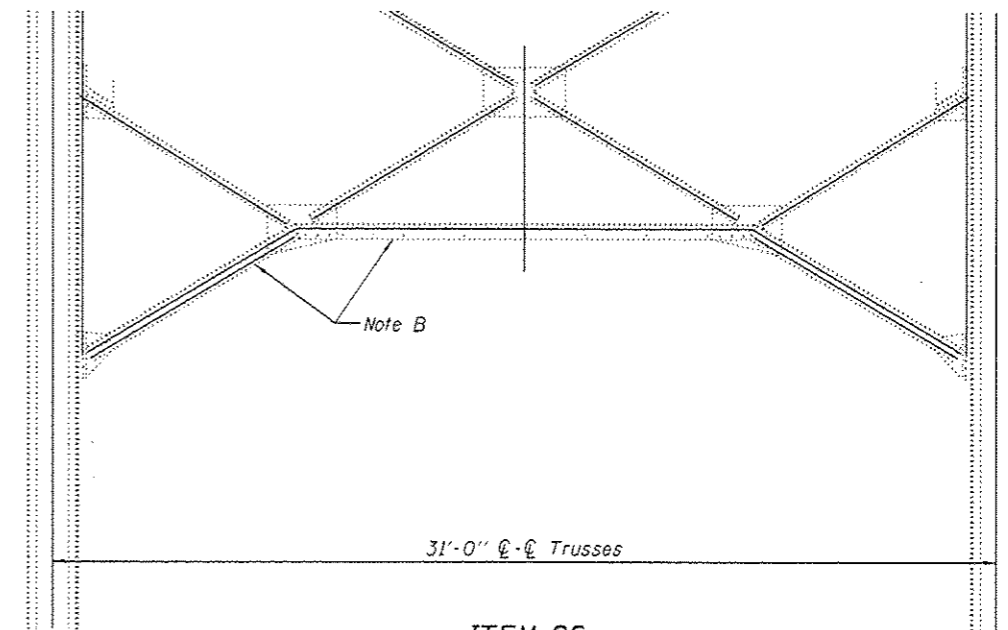


**ITEM 567**  
Span 9, L6S-L8S



Fill gap with filler material. See Note C

**ITEM 373**  
Span 10, M5'S-U6'S at M5'S (Inside)



**ITEM 26**  
Span 9, Panel Point 9

Note A:  
Field verify location of broken weld.  
Reweld with  $\frac{3}{16}$ " fillet weld.

Note B:  
Wind bracing to be straightened to its original position using mechanical methods only.

Note C:  
Install  $3-\frac{3}{4}$ "  $\phi$  HS bolts as shown. Filler material suitable for structural steel to be placed prior to tightening of bolts.



**ITEM 677**  
Span 9, LOS (Catwalk)  
See Note A

Cost of repairs on this sheet is included in the cost of Structural Steel Repairs.

DESIGNED	VHV
CHECKED	DAB
DRAWN	baliva
CHECKED	VHV DAB

PASSED	<i>Carl Long</i> ACTING ENGINEER OF BRIDGES AND STRUCTURES
--------	---

DATE	OCTOBER 1, 2015
REVISED	
REVISED	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS REPAIRS SPANS 9 & 10  
SN 001-0019

SHEET NO. 17 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	112011-1	ADAMS	46	20
CONTRACT NO. 72H65				
ILLINOIS FED. AID PROJECT				



**ITEM 611**  
Ladder at N. end of Pier 9

See Note D



**ITEM 612**  
Ladder at S. end of Pier 9

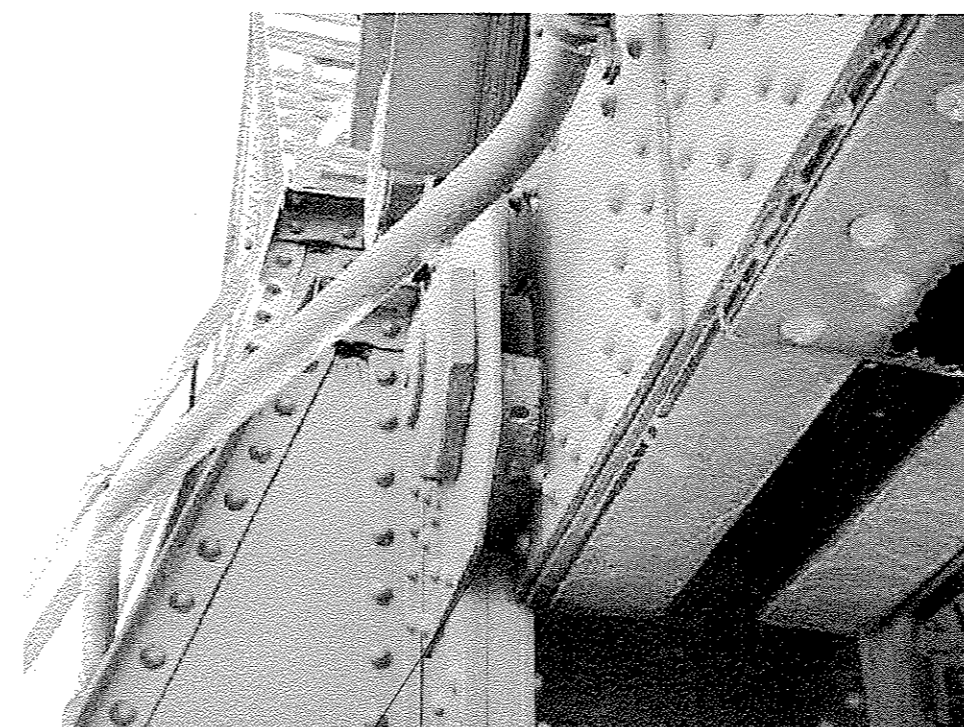
See Note D



**ITEM 612**  
Ladder at S. end of Pier 9

Realign & reweld

4/5/2013



See Note E

**ITEM 616**  
Span 10, Pier 9

Note D:  
Use 1/2"  $\phi$  epoxy grouted anchors, in accordance with Article 584 of the Standard Specifications. Straighten or replace steel strap in kind.

Note E:  
Rotate spacer to sit on top of pin. Replace set bolt in kind. (Verify dimensions in field.)

Cost of repairs on this sheet is included in the cost of Structural Steel Repairs.

DESIGNED	VHV
CHECKED	DAB
DRAWN	baliva
CHECKED	VHV DAB

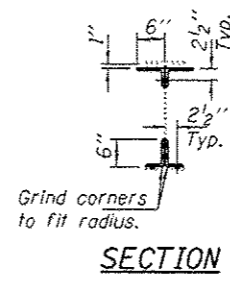
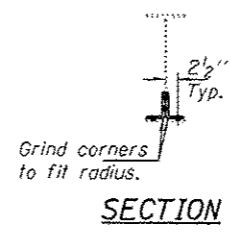
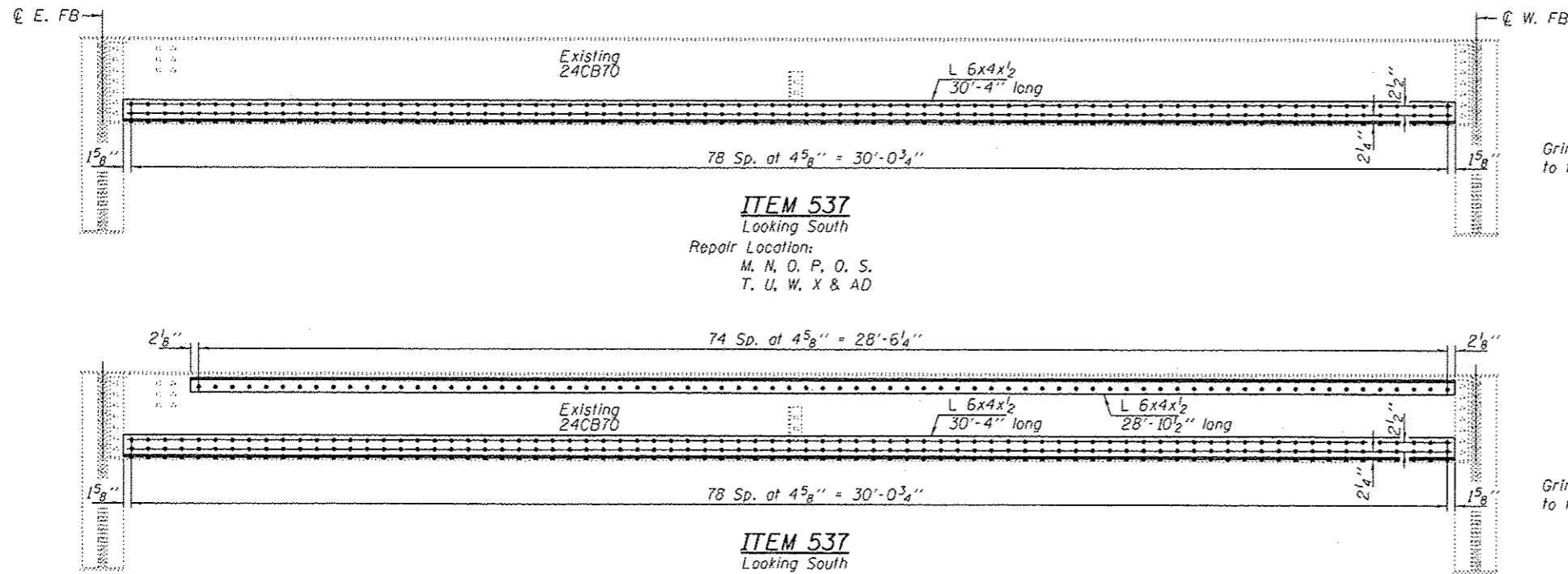
PASSED	<i>Carl Perry</i> ACTING ENGINEER OF BRIDGES AND STRUCTURES
--------	--

DATE	OCTOBER 1, 2015
REVISED	
REVISED	

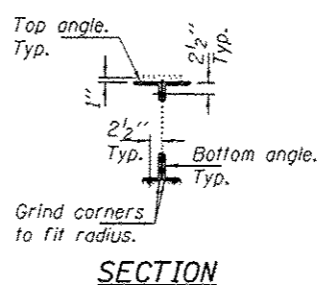
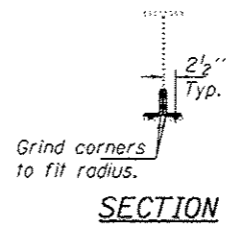
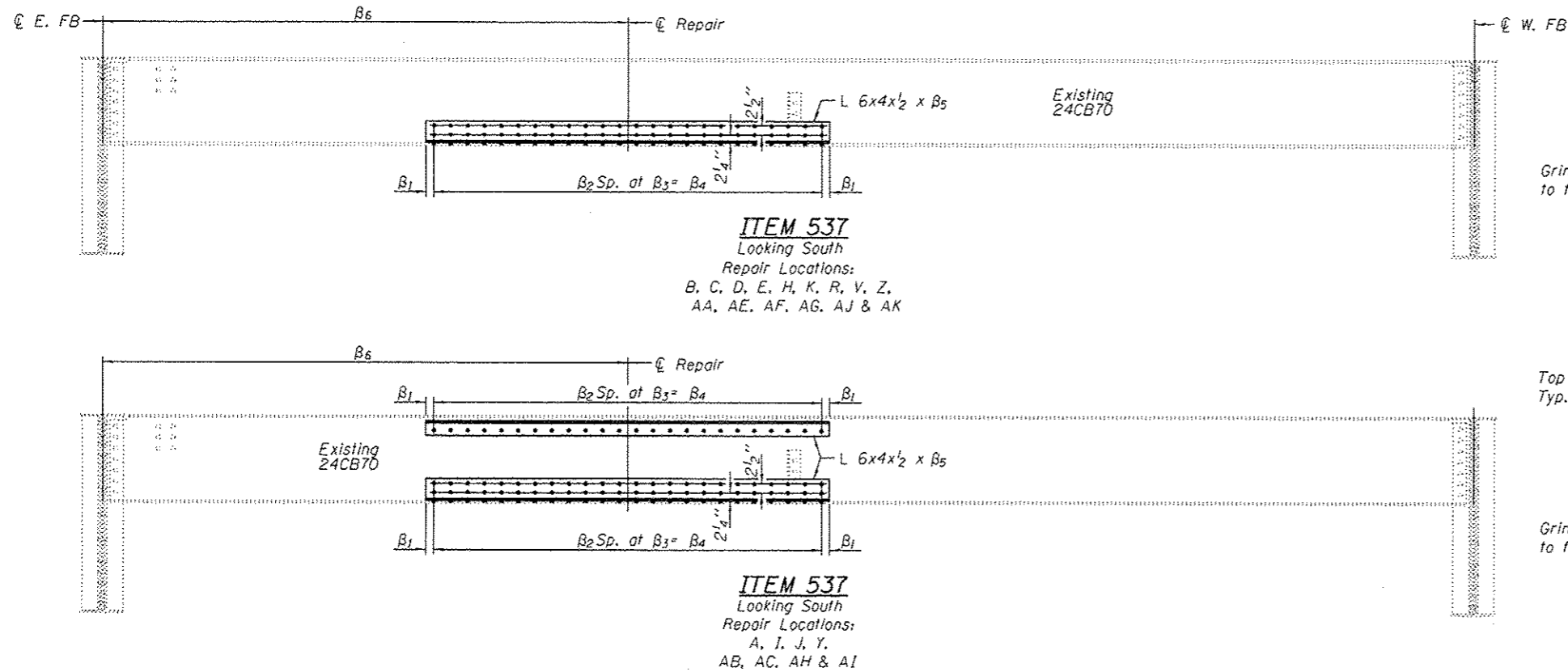
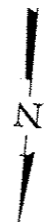
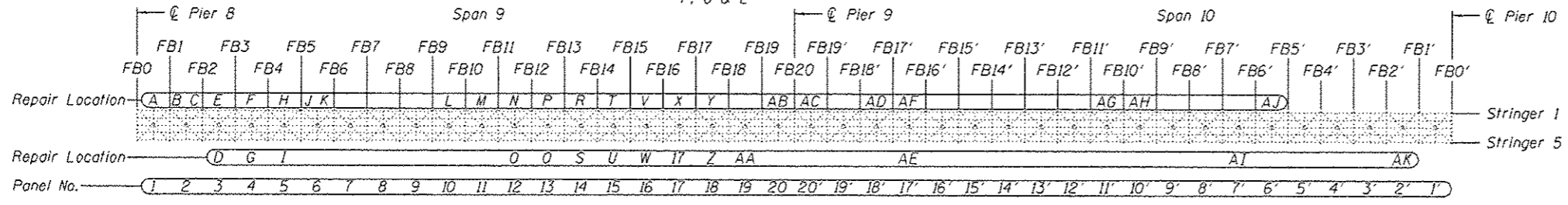
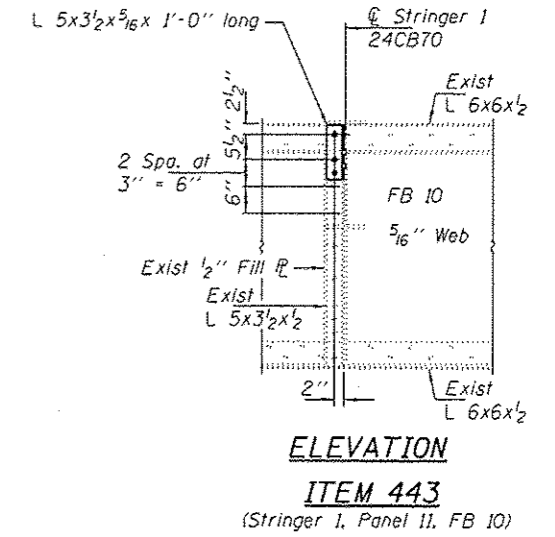
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS REPAIRS SPANS 9 & 10
SN 001-0019
SHEET NO. 18 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	112BH-1	ADAMS	45	21
CONTRACT NO. T2H65			ILLINOIS FED. AID PROJECT	



**BOLT HOLE LEGEND**  
 ● - Holes to be shop drilled.  
 ○ - Holes to be field drilled using existing holes as template.



Repair Location	L Length B5	B1	B2	B3	B4	B5
* A	11'-0"	1 7/8"	27	4 3/4"	10'-8 1/4"	16'-4 1/2"
** A	2'-0"	2"	4	5"	1'-8"	20'-4 1/2"
B	5'-0"	2 1/2"	11	5"	4'-7"	7'-0"
C	2'-0"	2 1/2"	4	4 3/4"	1'-7"	22'-10 1/2"
D	11'-0"	1 7/8"	27	4 3/4"	10'-8 1/4"	6'-0"
E	5'-0"	2 1/2"	11	4 3/4"	4'-7"	21'-4 1/2"
H	11'-0"	1 7/8"	27	4 3/4"	10'-8 1/4"	10'-0"
I	11'-0"	1 7/8"	27	4 3/4"	10'-8 1/4"	20'-0"
J	4'-0"	1 1/2"	9	5"	3'-9"	7'-6"
K	7'-0"	2"	16	5"	6'-8"	20'-4 1/2"
R	8'-0"	2"	23	4"	7'-8"	19'-10 1/2"
V	5'-0"	2 1/2"	11	5"	4'-7"	20'-4 1/2"
Y	7'-0"	2"	16	5"	6'-8"	19'-4 1/2"
Z	11'-0"	1 7/8"	27	4 3/4"	10'-8 1/4"	15'-6"
AA	11'-0"	1 7/8"	27	4 3/4"	10'-8 1/4"	6'-0"
AB	4'-6"	2"	10	5"	4'-2"	19'-7 1/2"
AC	2'-6"	2 1/2"	5	5"	2'-1"	20'-7 1/2"
AE	2'-0"	2"	4	5"	1'-8"	21'-6 1/2"
AF	3'-0"	2"	8	4"	2'-8"	23'-0 1/2"
AG	2'-6"	2 1/2"	5	5"	2'-1"	20'-7 1/2"
AH	13'-0"	2"	32	4 3/4"	12'-8"	7'-0"
AI	5'-0"	2 1/2"	11	5"	4'-7"	21'-4 1/2"
AJ	7'-0"	2"	16	5"	6'-8"	22'-4 1/2"
AK	2'-0"	2"	4	5"	1'-8"	1'-9"

Note: All dimensions are typical except as noted.

\* Bottom angles.  
 \*\* Top angles.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	26340

DESIGNED VHV  
 CHECKED DAB  
 DRAWN baliva  
 CHECKED VHV DAB

DATE OCTOBER 1, 2015  
 PASSED  
 ACTING ENGINEER OF BRIDGES AND STRUCTURES  
 REVISED

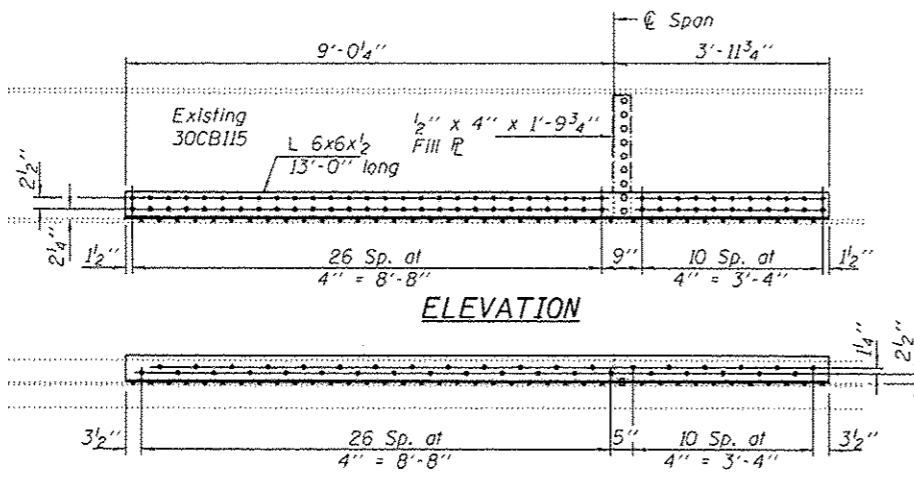
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STRINGER REPAIR DETAILS SPANS 9 & 10  
 SN 001-0019

SHEET NO. 19 OF 24 SHEETS

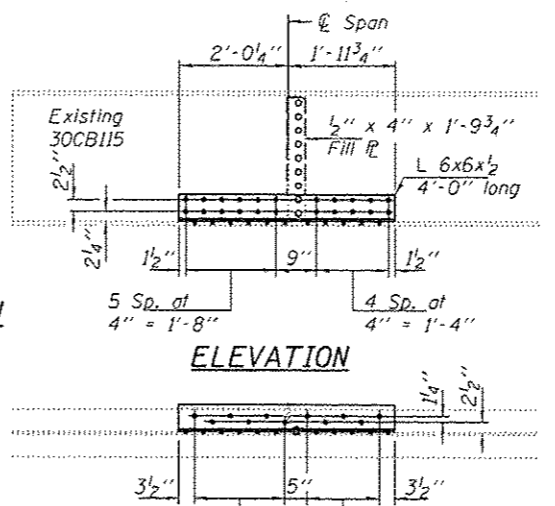
F.A.P. RTE. 63  
 SECTION IZB8-1  
 COUNTY ADAMS  
 TOTAL SHEETS 46  
 SHEET NO. 22  
 CONTRACT NO. 72H65  
 ILLINOIS FED. AID PROJECT

Remove and reinstall existing stiffener  
Grind corner to fit radius.



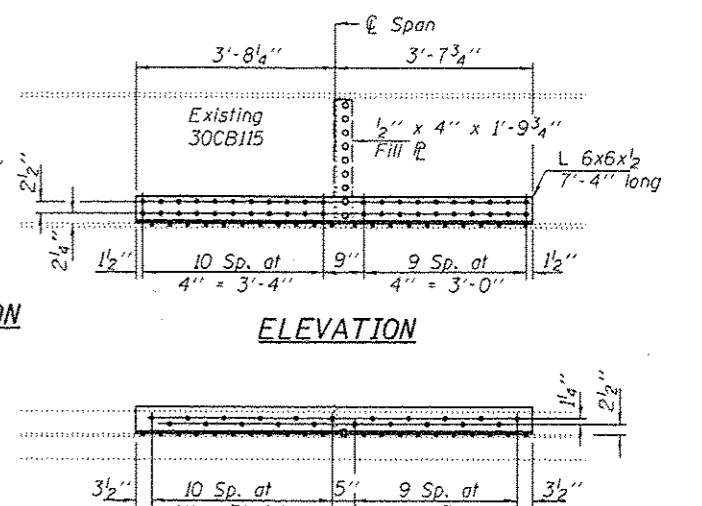
SECTION  
ELEVATION  
PLAN  
ITEM 301

Remove and reinstall existing stiffener  
Grind corner to fit radius.



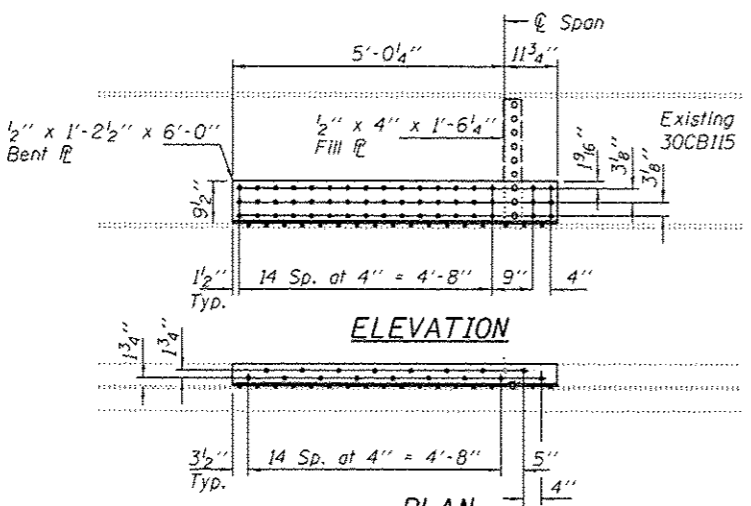
SECTION  
ELEVATION  
PLAN  
ITEM 499

Remove and reinstall existing stiffener  
Grind corner to fit radius.

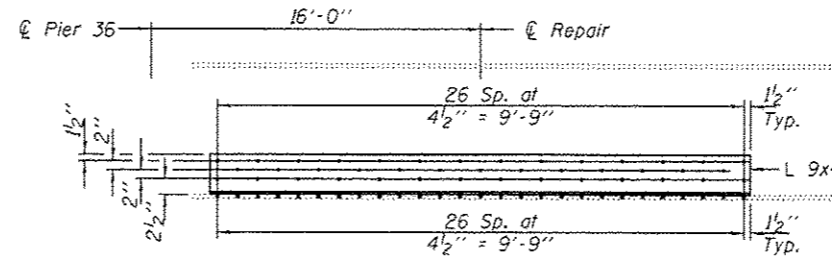


SECTION  
ELEVATION  
PLAN  
ITEM 304

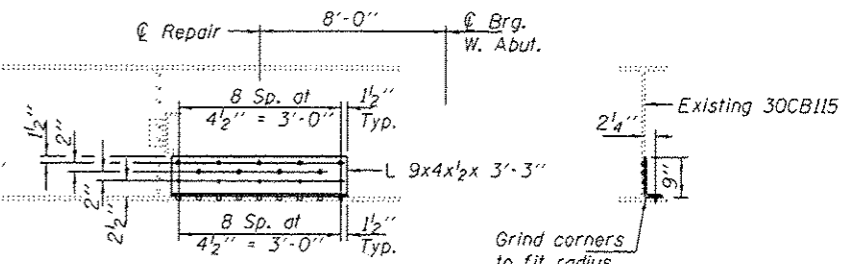
Remove and reinstall existing stiffener



SECTION  
ELEVATION  
PLAN  
ITEM 426

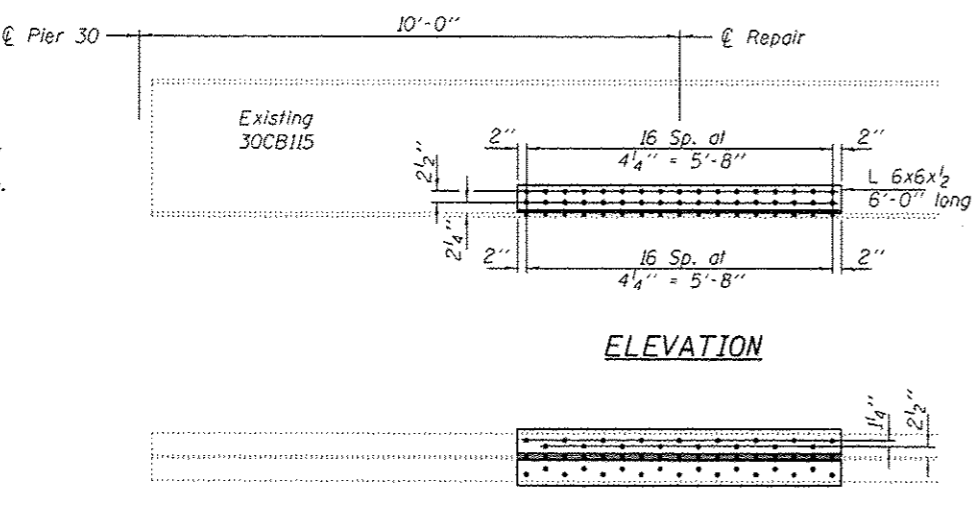


ELEVATION  
ITEM 306



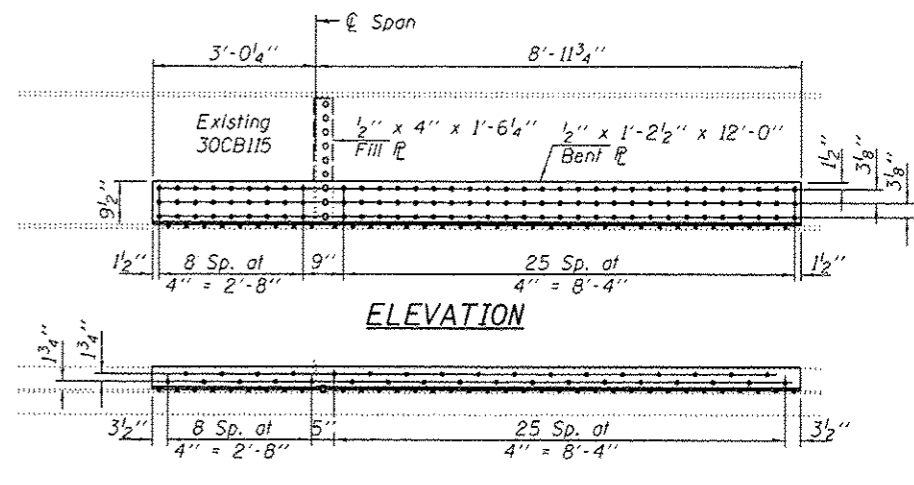
SECTION

Grind corners to fit radius.



SECTION  
ELEVATION  
PLAN  
ITEM 720

Remove and reinstall existing stiffener



SECTION  
ELEVATION  
PLAN  
ITEM 420

**BOLT HOLE LEGEND**  
● - Holes to be shop drilled.  
○ - Holes to be field drilled using existing holes as template.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	1850

DESIGNED VHV  
CHECKED DAB  
DRAWN baliva  
CHECKED VHV DAB

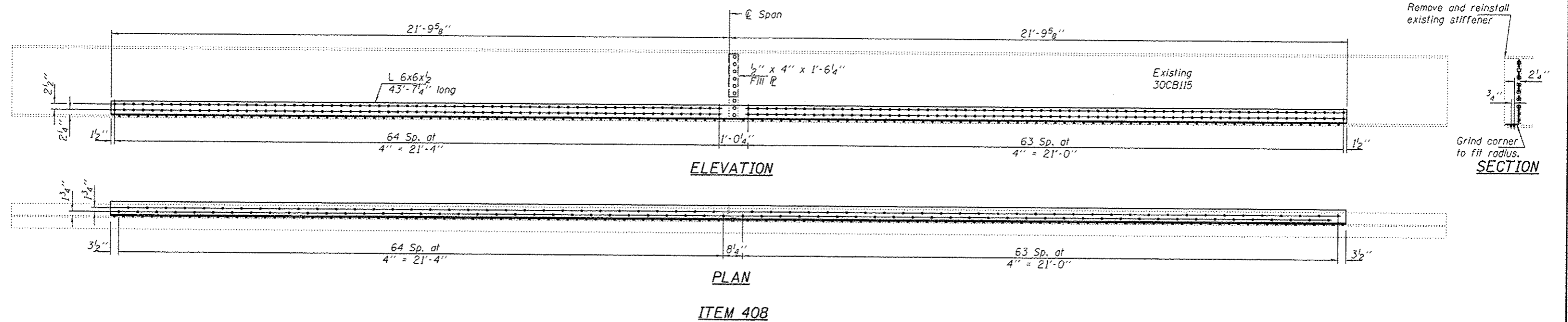
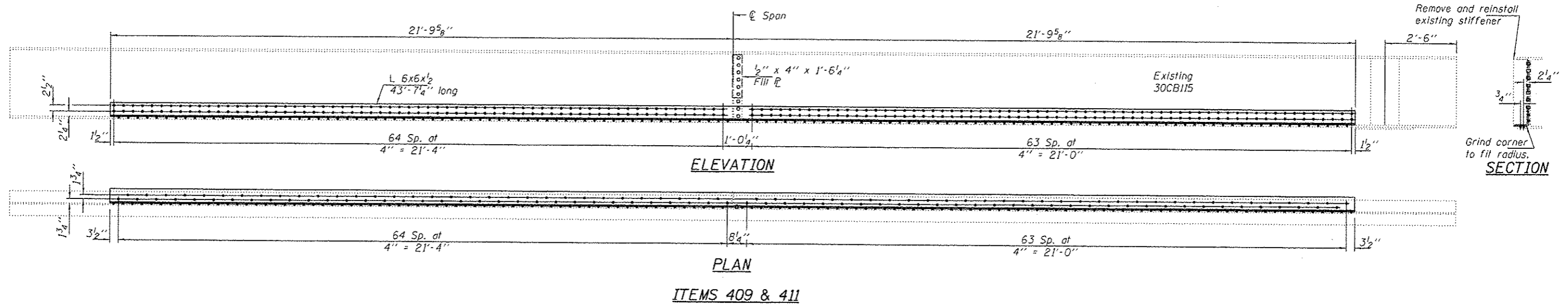
DATE OCTOBER 1, 2015  
PASSED  
ACTING ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEAM REPAIR DETAILS SPANS 1-3 & 22-37  
SN 001-0019

SHEET NO. 20 OF 24 SHEETS

F.A.P. RTE. 63  
SECTION 112BH-7  
COUNTY ADAMS  
TOTAL SHEETS 45  
SHEET NO. 23  
CONTRACT NO. 72H65  
ILLINOIS FED. AID PROJECT



**BOLT HOLE LEGEND**

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	3200

DESIGNED VHV  
 CHECKED DAB  
 DRAWN balva  
 CHECKED VHV DAB

DATE OCTOBER 1, 2015  
 PASSED *[Signature]*  
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

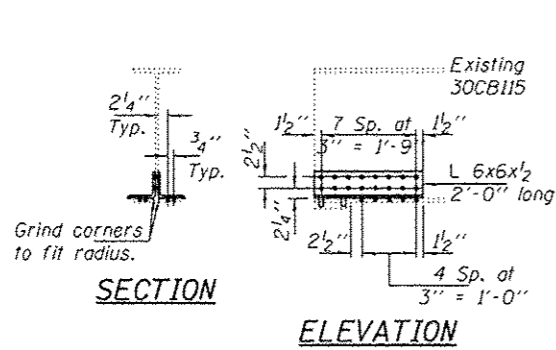
BEAM REPAIR DETAILS SPANS 1-3 & 22-37  
 SN 001-0019

SHEET NO. 21 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B)1-1	ADAMS	65	24

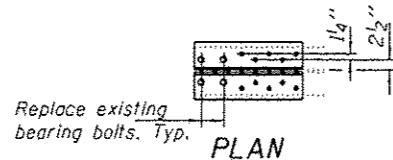
CONTRACT NO. 72H65  
 ILLINOIS FED. AID PROJECT





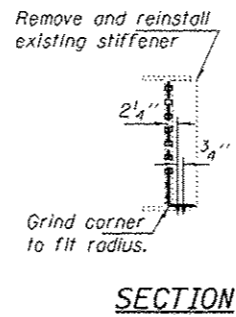
SECTION

ELEVATION

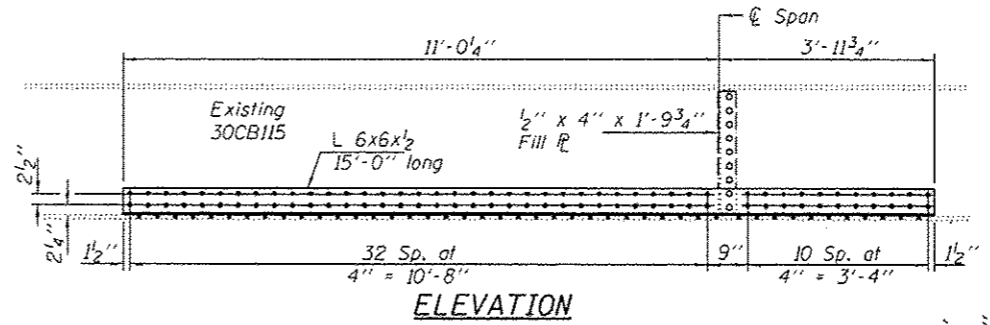


PLAN

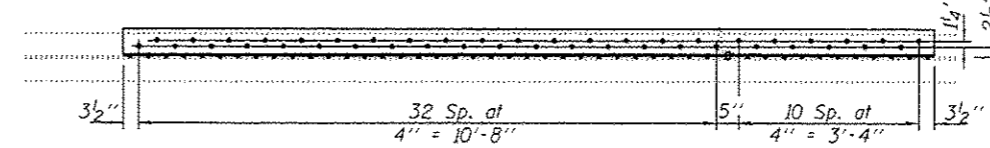
ITEM 150



SECTION



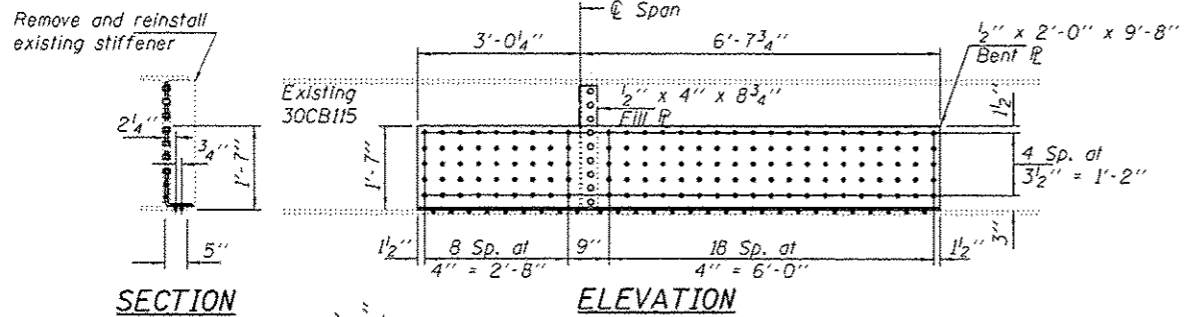
ELEVATION



PLAN

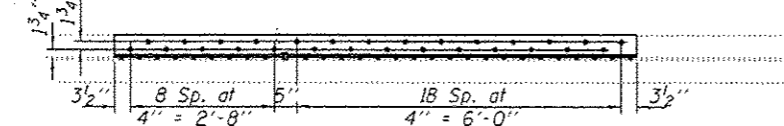
ITEM 99

**BOLT HOLE LEGEND**  
 ● - Holes to be shop drilled.  
 ○ - Holes to be field drilled using existing holes as template.



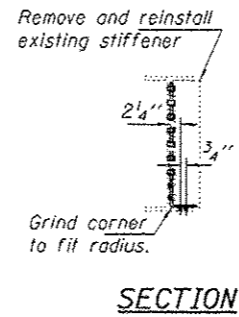
SECTION

ELEVATION

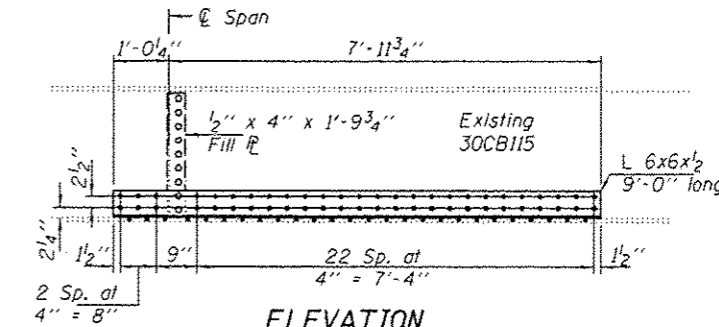


PLAN

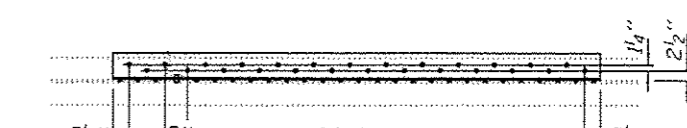
ITEM 302



SECTION

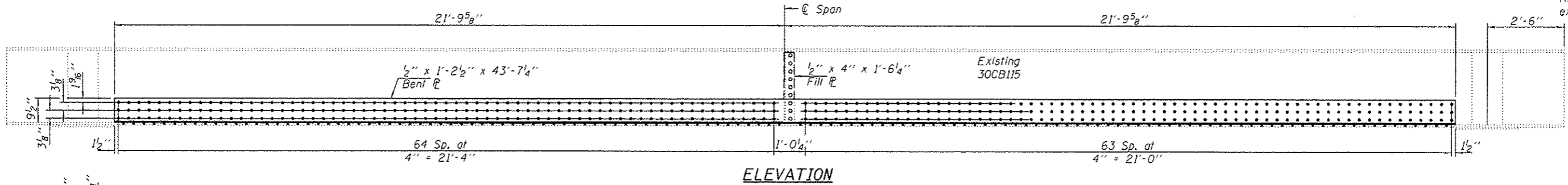


ELEVATION

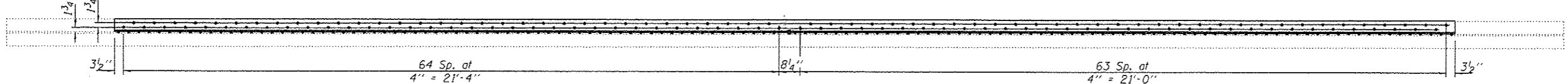


PLAN

ITEM 515

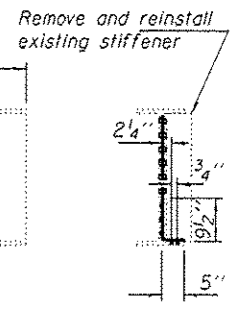


ELEVATION



PLAN

ITEM 297



SECTION

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	2540

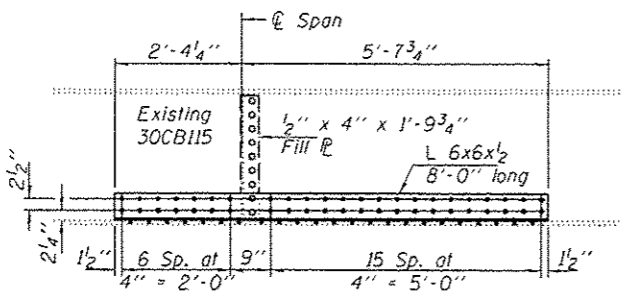
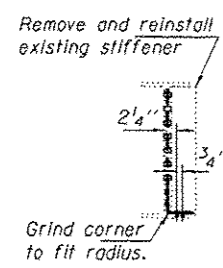
DESIGNED VHV  
 CHECKED DAB  
 DRAWN baliva  
 CHECKED VHV DAB

DATE OCTOBER 1, 2015  
 PASSED *A. Carl Perry*  
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

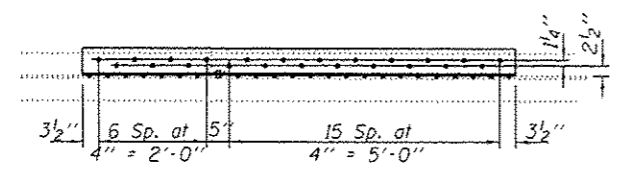
BEAM REPAIR DETAILS SPANS 1-3 & 22-37  
 SN 001-0019  
 SHEET NO. 22 OF 24 SHEETS

F.A.P. RTE. 63  
 SECTION 12B1-1  
 COUNTY ADAMS  
 TOTAL SHEETS 45  
 SHEET NO. 22  
 CONTRACT NO. 72H65  
 ILLINOIS FED. AID PROJECT

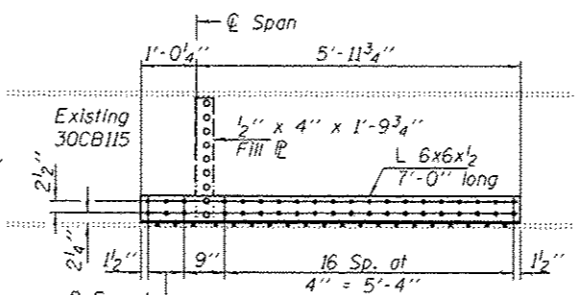
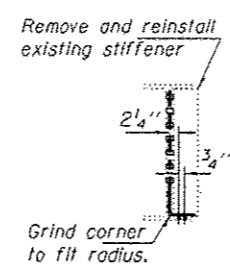


SECTION

ELEVATION

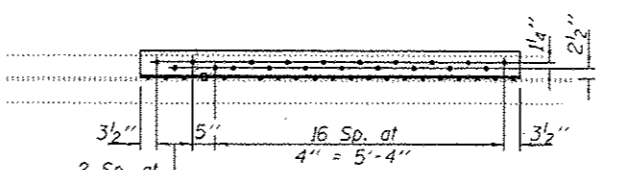


ITEM 514

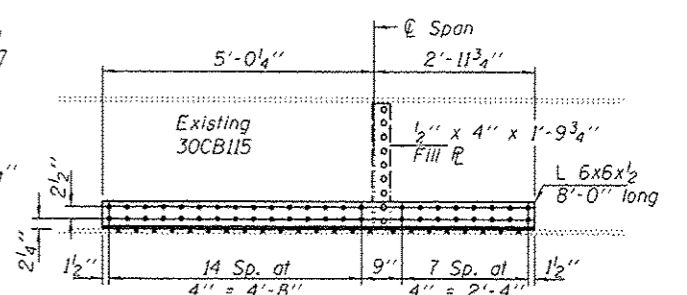
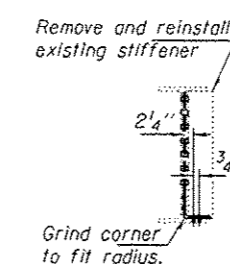


SECTION

ELEVATION

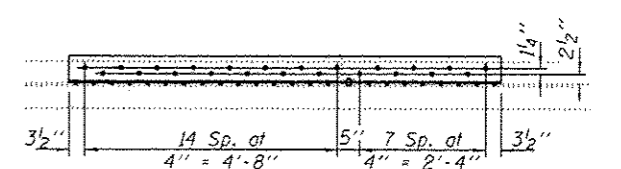


ITEM 422

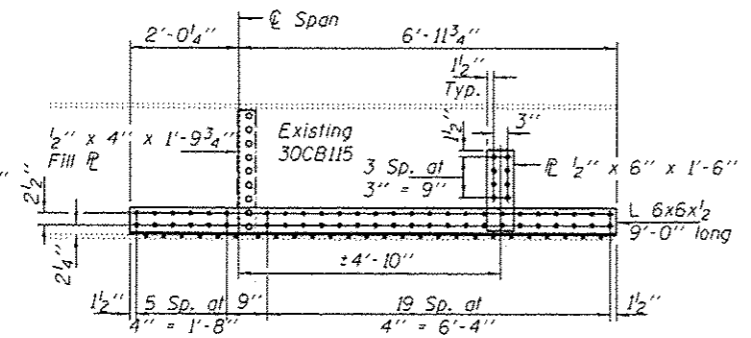
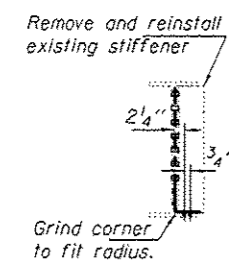


SECTION

ELEVATION

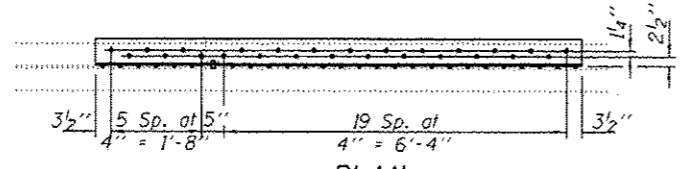


ITEM 303

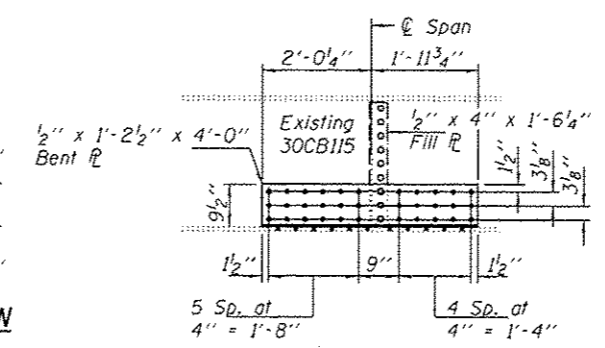
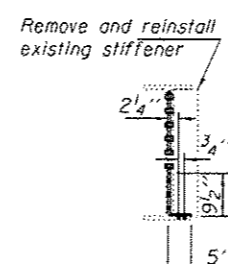


SECTION

ELEVATION

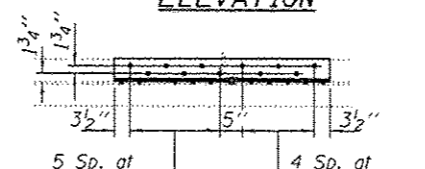


ITEM 414



SECTION

ELEVATION



ITEM 417

**BOLT HOLE LEGEND**

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	1000

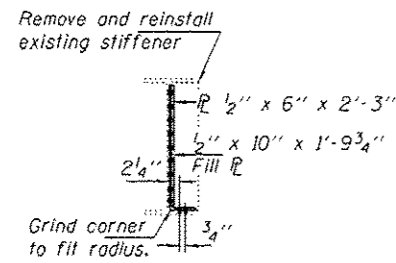
DESIGNED VHV  
 CHECKED DAB  
 DRAWN baliva  
 CHECKED VHV DAB

DATE OCTOBER 1, 2015  
 PASSED  
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

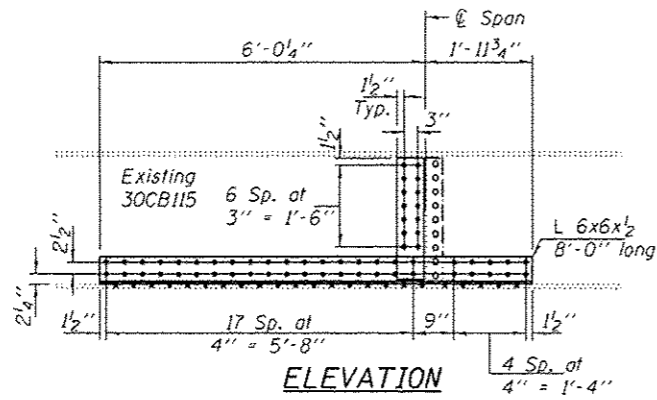
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BEAM REPAIR DETAILS SPANS 1-3 & 22-37  
 SN 001-0019  
 SHEET NO. 23 OF 24 SHEETS

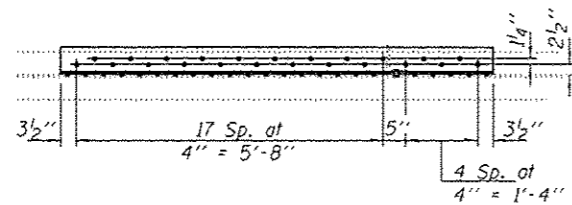
F.A.P. RTE. 63  
 COUNTY ADAMS  
 TOTAL SHEETS 45  
 SHEET NO. 26  
 CONTRACT NO. 72H65  
 ILLINOIS FED. AID PROJECT



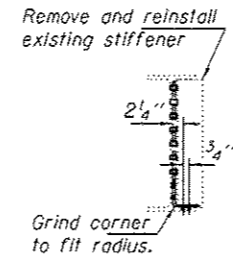
SECTION



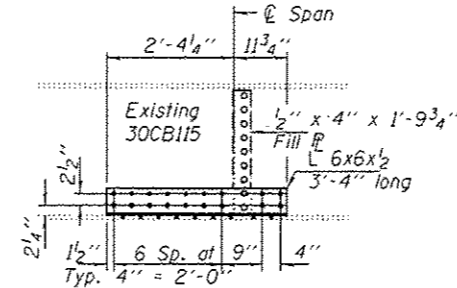
ELEVATION



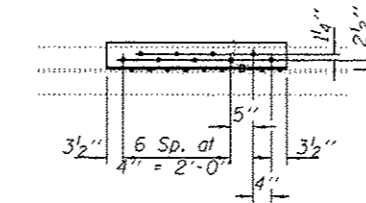
PLAN  
ITEM 421



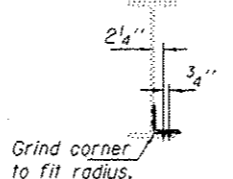
SECTION



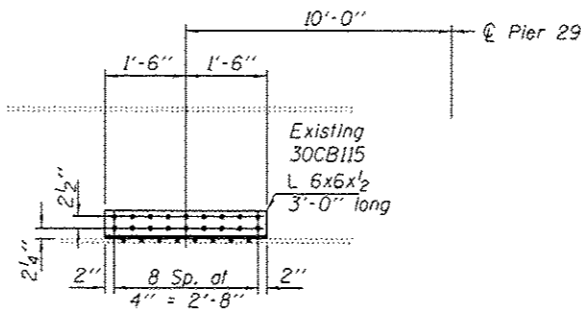
ELEVATION



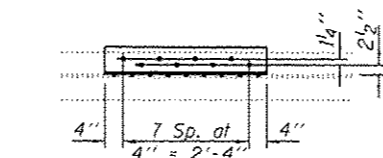
PLAN  
ITEM 495



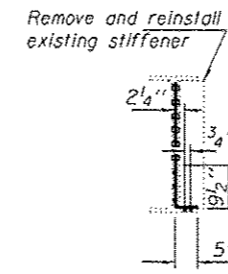
SECTION



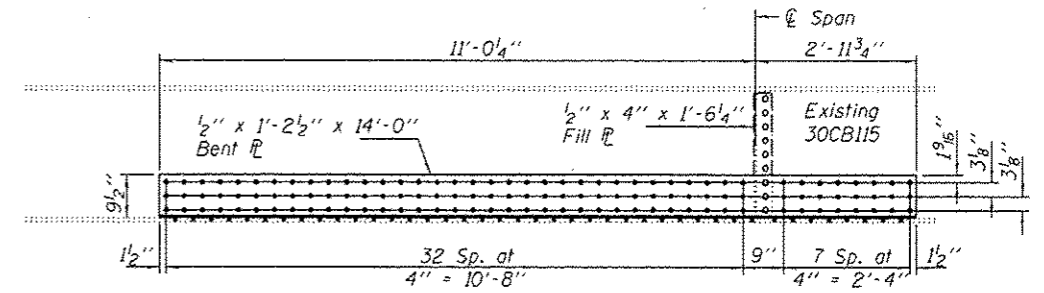
ELEVATION



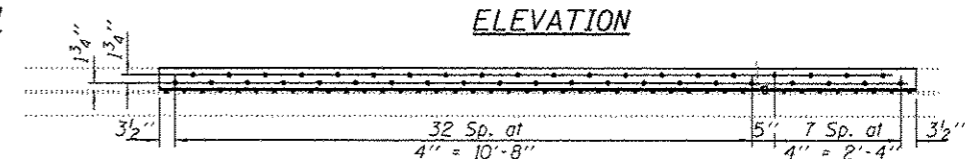
PLAN  
ITEM 418



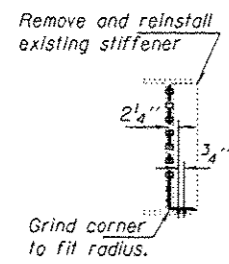
SECTION



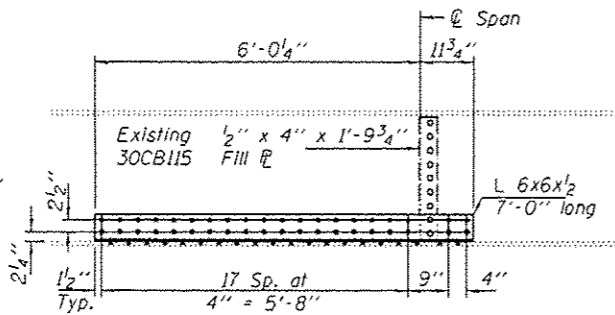
ELEVATION



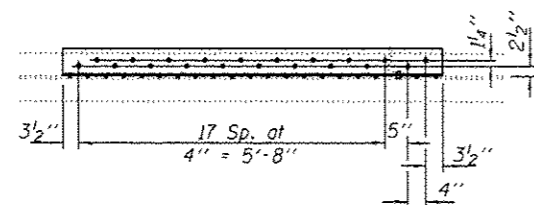
PLAN  
ITEM 419



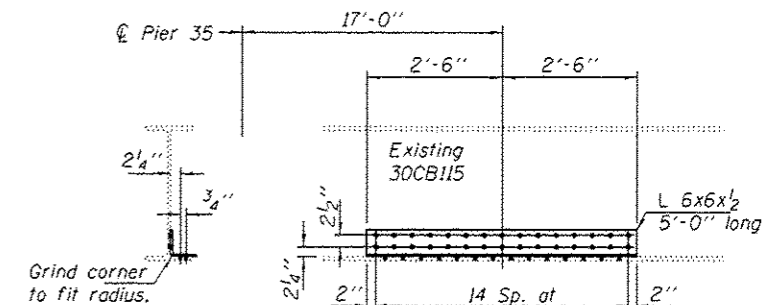
SECTION



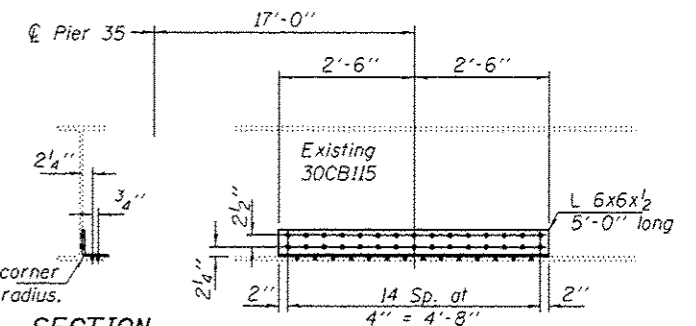
ELEVATION



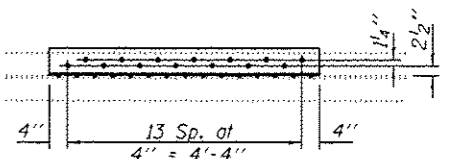
PLAN  
ITEM 504



SECTION



ELEVATION



PLAN  
ITEM 305

**BOLT HOLE LEGEND**

- - Holes to be shop drilled.
- - Holes to be field drilled using existing holes as template.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	1150

DESIGNED VHV  
 CHECKED DAB  
 DRAWN baliva  
 CHECKED VHV DAB

PASSED  
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

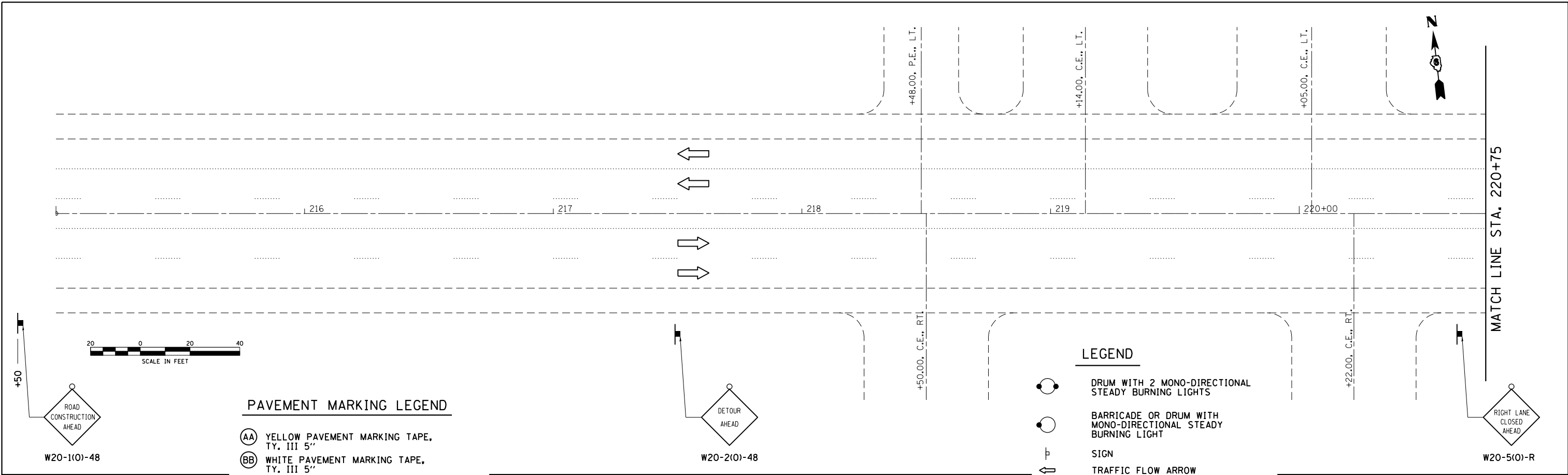
DATE OCTOBER 1, 2015  
 REVISED  
 REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BEAM REPAIR DETAILS SPANS 1-3 & 22-37  
 SN 001-0019

SHEET NO. 24 OF 24 SHEETS

F.A.P. RTE. 63	SECTION 112B1-7	COUNTY ADAMS	TOTAL SHEETS 45	SHEET NO. 27
CONTRACT NO. 72H65			ILLINOIS FED. AID PROJECT	



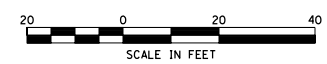
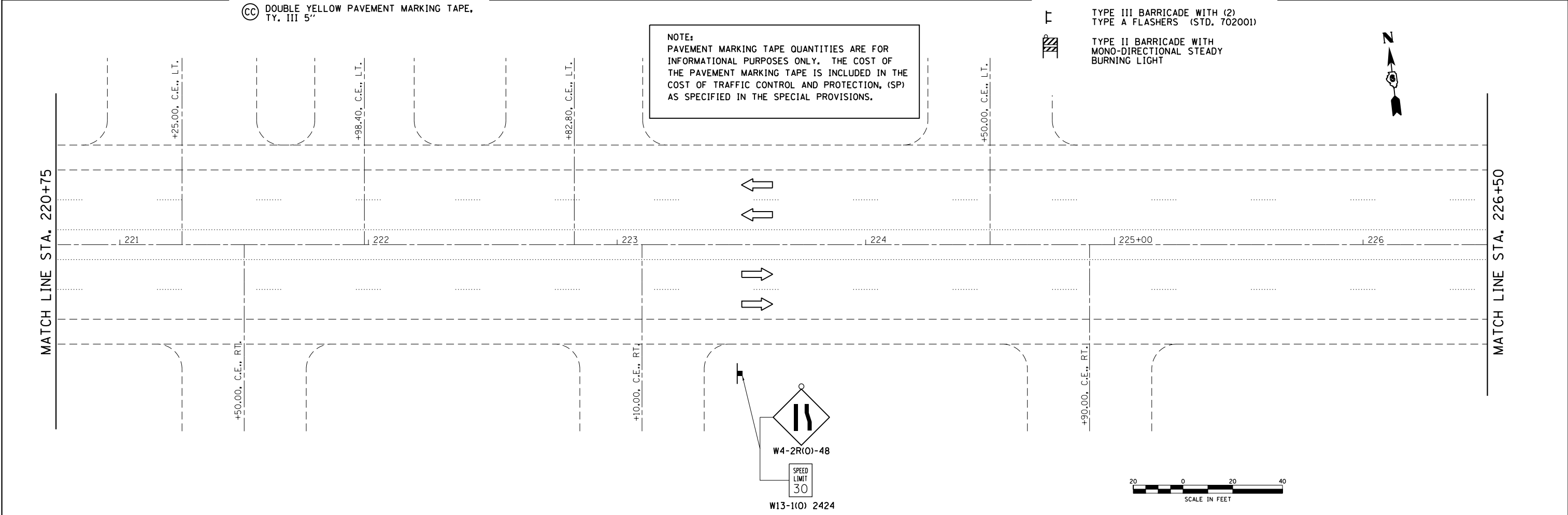
**PAVEMENT MARKING LEGEND**

- (AA) YELLOW PAVEMENT MARKING TAPE, TY. III 5"
- (BB) WHITE PAVEMENT MARKING TAPE, TY. III 5"
- (CC) DOUBLE YELLOW PAVEMENT MARKING TAPE, TY. III 5"

**LEGEND**

- DRUM WITH 2 MONO-DIRECTIONAL STEADY BURNING LIGHTS
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS (STD. 702001)
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

**NOTE:**  
PAVEMENT MARKING TAPE QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. THE COST OF THE PAVEMENT MARKING TAPE IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SP) AS SPECIFIED IN THE SPECIAL PROVISIONS.



FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 6\Projects\0672\Drawings\0672\0672-SP-01\0672-SP-01-01.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/17/2015	DATE -	REVISED -

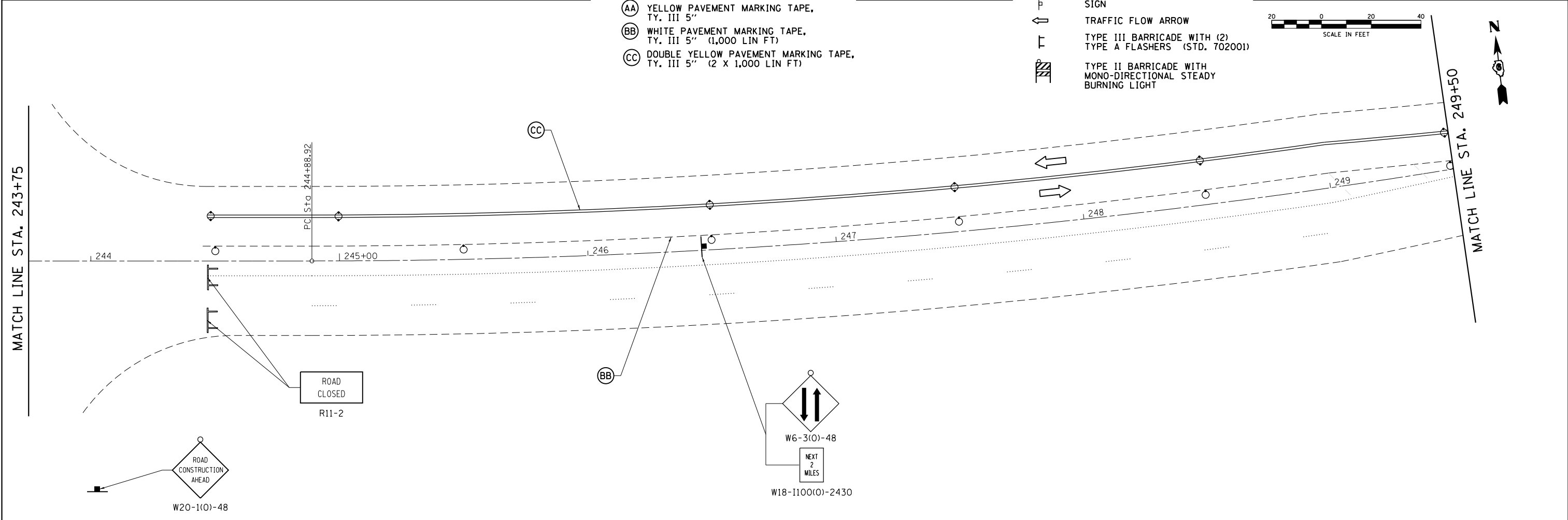
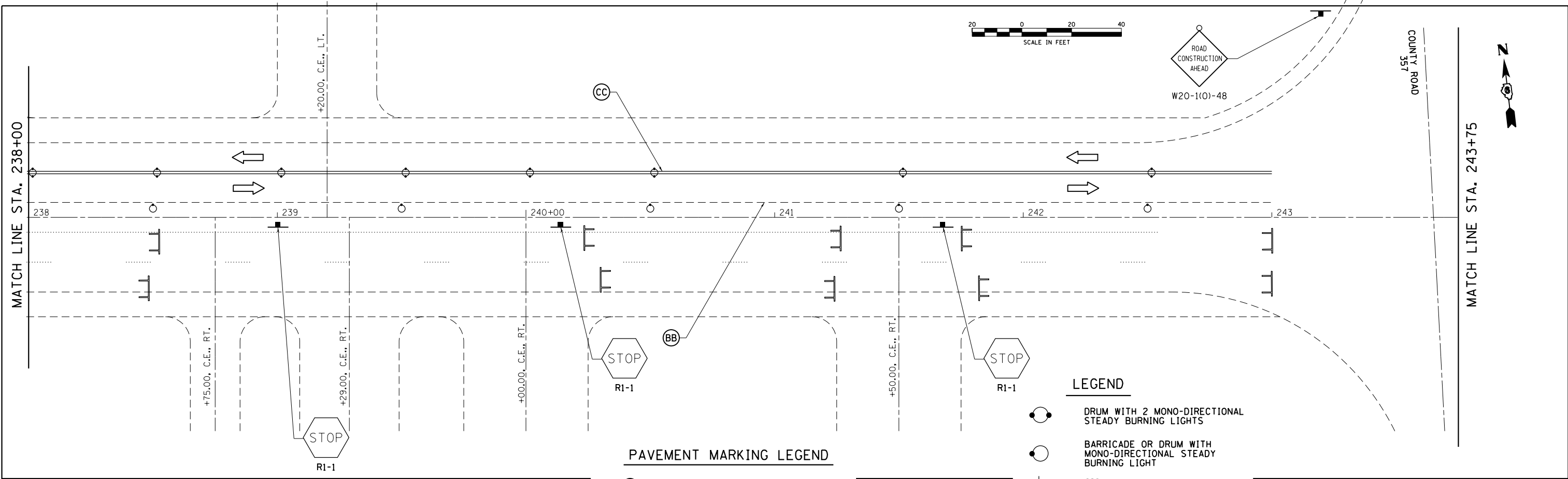
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAP 63 (US 24)  
TRAF CONT & PROTECTION (SP)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B)-7	ADAMS	45	28
CONTRACT NO. 72H65			ILLINOIS FED. AID PROJECT	





FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAP 63 (US 24) TRAF CONT &amp; PROTECTION (SP)</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 6\Projects\06724\Drawings\EA0\Drawings\6724-65-shr-PM-pln.dwg		DRAWN -	REVISED -		63	(12BI)-7	ADAMS	45	30				
Default	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 72H65								
	PLOT DATE = 8/17/2015	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

EXIST. CURVE 2  
 PI STA. = 251+43.70  
 $\Delta = 25^\circ 44' 56''$  (LT)  
 D = 2° 00' 00"  
 R = 2,864.78'  
 T = 654.78'  
 L = 1,287.44'  
 E = 73.88'  
 P.C. STA. = 244+88.92  
 P.T. STA. = 257+76.36



MATCH LINE STA. 249+50

MATCH LINE STA. 255+25

**PAVEMENT MARKING LEGEND**

- (AA) YELLOW PAVEMENT MARKING TAPE, TY. III 5"
- (BB) WHITE PAVEMENT MARKING TAPE, TY. III 5" (1,150 LIN FT)
- (CC) DOUBLE YELLOW PAVEMENT MARKING TAPE, TY. III 5" (2 X 1,150 LIN FT)

**LEGEND**

- DRUM WITH 2 MONO-DIRECTIONAL STEADY BURNING LIGHTS
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS (STD. 702001)
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



MATCH LINE STA. 255+25

MATCH LINE STA. 261+00

POT Sta 255+97.34

PT Sta 257+76.36

POT Sta 258+51.36  
 POT Sta 258+51.31

FILE NAME =	USER NAME = sparksgr	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 6\Projects\0672\Drawings\EA0\Sheets\0672H65-sht-PM-plr		CHECKED -	REVISED -
Default	PLOT DATE = 8/17/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAP 63 (US 24)  
 TRAF CONT & PROTECTION (SP)**

SCALE: SHEET OF SHEETS STA. TO STA.

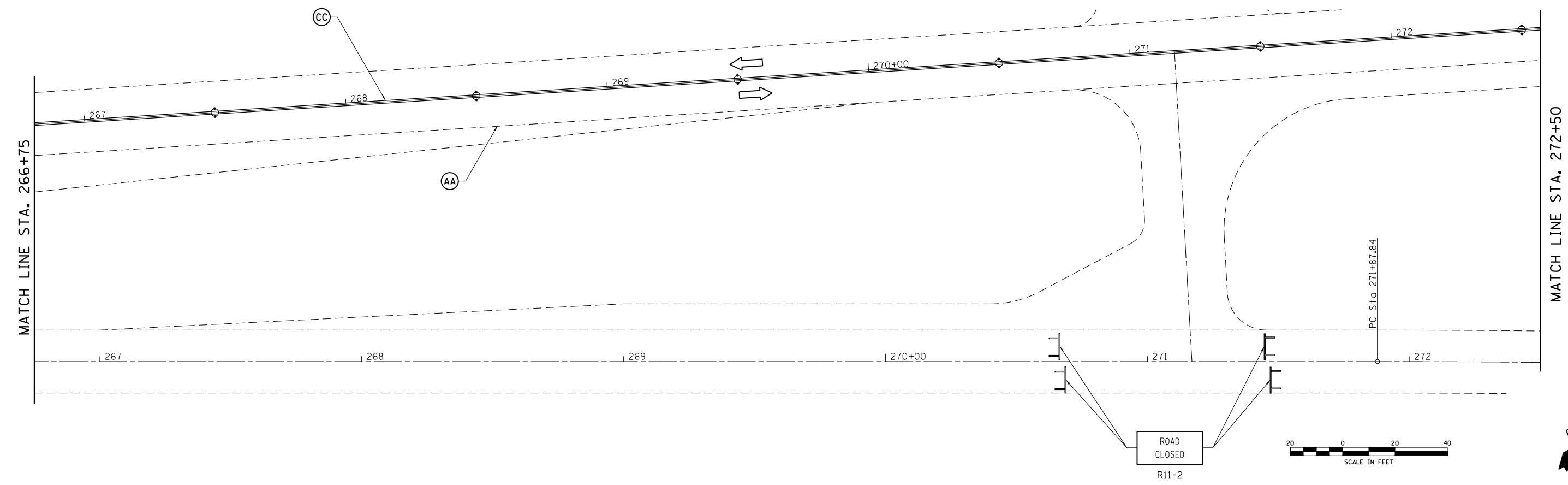
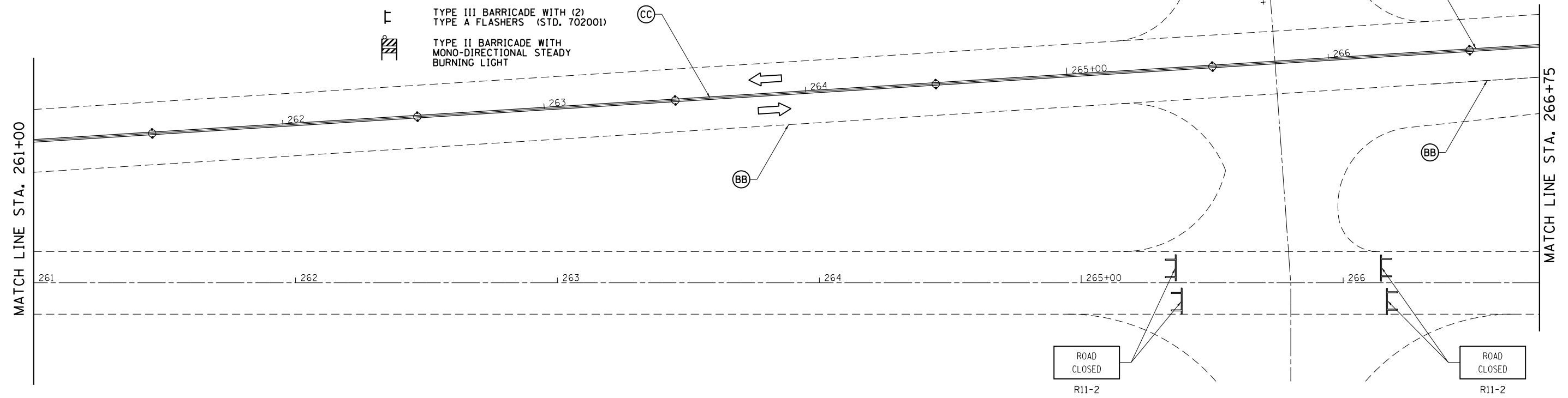
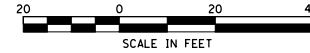
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12BI-7)	ADAMS	45	31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72H65	

**PAVEMENT MARKING LEGEND**

- (AA) YELLOW PAVEMENT MARKING TAPE, TY. III 5"
- (BB) WHITE PAVEMENT MARKING TAPE, TY. III 5" (1,150 LIN FT)
- (CC) DOUBLE YELLOW PAVEMENT MARKING TAPE, TY. III 5" (2 X 1,150 LIN FT)

**LEGEND**

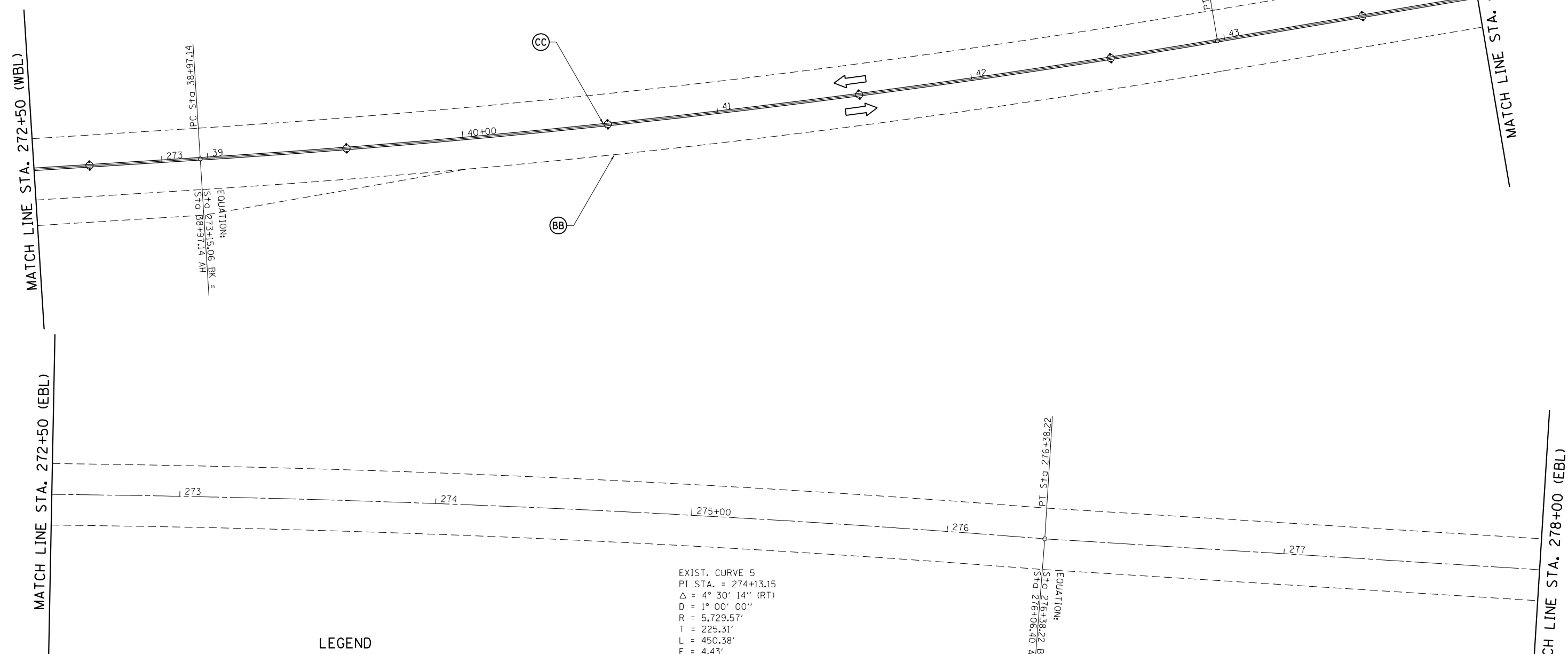
- DRUM WITH 2 MONO-DIRECTIONAL STEADY BURNING LIGHTS
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS (STD. 702001)
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT









FILE NAME =	USER NAME = sparksgr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAP 63 (US 24) TRAF CONT &amp; PROTECTION (SP)</b>				F.A.P. RTE. = 63	SECTION = (1ZBI-7)	COUNTY = ADAMS	TOTAL SHEETS = 45	SHEET NO. = 32
Default		CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 72H65	
	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
	PLOT DATE = 8/17/2015												



EXIST. CURVE 10  
 PI STA. = 40+97.32  
 $\Delta$  = 6° 00' 00" (LT)  
 D = 1° 30' 00"  
 R = 3,819.74'  
 T = 200.18'  
 L = 400.00'  
 E = 5.24'  
 P.C. STA. = 38+97.14  
 P.T. STA. = 42+97.14



- LEGEND**
-  DRUM WITH 2 MONO-DIRECTIONAL STEADY BURNING LIGHTS
  -  BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
  -  SIGN
  -  TRAFFIC FLOW ARROW
  -  TYPE III BARRICADE WITH (2) TYPE A FLASHERS (STD. 702001)
  -  TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

**PAVEMENT MARKING LEGEND**

- (AA) YELLOW PAVEMENT MARKING TAPE, TY. III 5"
- (BB) WHITE PAVEMENT MARKING TAPE, TY. III 5" (570 LIN FT)
- (CC) DOUBLE YELLOW PAVEMENT MARKING TAPE, TY. III 5" (2 X 570 LIN FT)

FILE NAME =	USER NAME = sparksgr	DESIGNED -	REVISED -
pw\11084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 6\Projects\0672\Drawings\EA0\Sheets\0672H65-sht-PM-plr		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/17/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

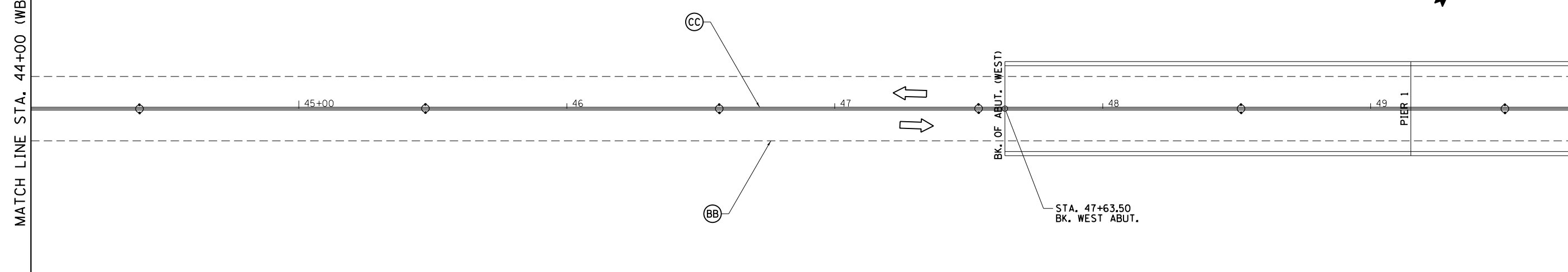
<b>FAP 63 (US 24)    TRAF CONT &amp; PROTECTION (SP)</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12BI)-7	ADAMS	45	33
CONTRACT NO. 72H65				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 44+00 (WBL)

MATCH LINE STA. 49+75 (WBL)



**PAVEMENT MARKING LEGEND**

- (AA) YELLOW PAVEMENT MARKING TAPE, TY. III 5"
- (BB) WHITE PAVEMENT MARKING TAPE, TY. III 5" (575 LIN FT)
- (CC) DOUBLE YELLOW PAVEMENT MARKING TAPE, TY. III 5" (2 X 575 LIN FT)

**WESTBOUND LANES**

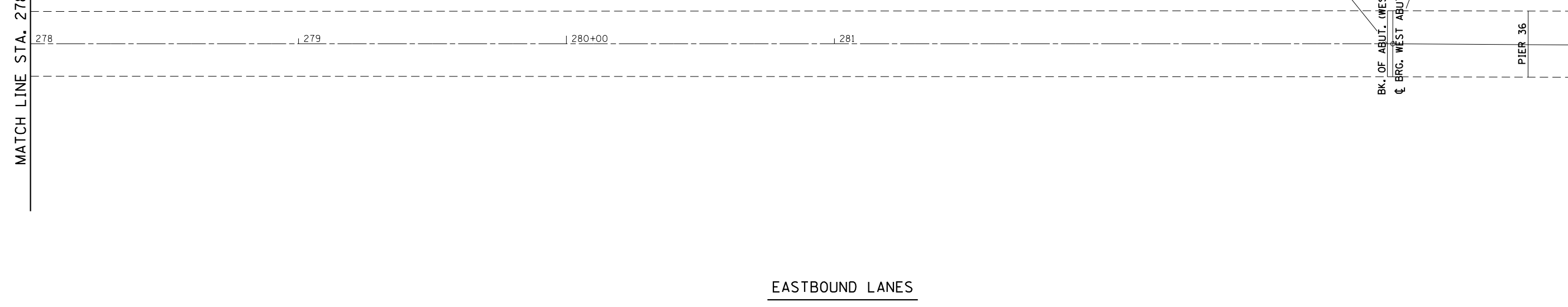
**LEGEND**

- DRUM WITH 2 MONO-DIRECTIONAL STEADY BURNING LIGHTS
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS (STD. 702001)
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



MATCH LINE STA. 278+00 (EBL)

MATCH LINE (EBL)



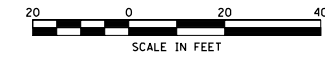
**EASTBOUND LANES**

FILE NAME =	USER NAME = sparksgr	DESIGNED -	REVISED -
p:\11\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 6\Projects\0672\Drawings\EA0\Sheets\0672H65-sht-PM-pl		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/17/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>FAP 63 (US 24) TRAF CONT &amp; PROTECTION (SP)</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12BI-7)	ADAMS	45	34
CONTRACT NO. 72H65				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 49+75 (WBL)

POINT Sta. 49+97.14

150+00

PIER 2

151

CC

PIER 3

152



153

PIER 4

154

155+00

MATCH LINE STA. 55+50 (WBL)

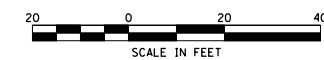
**PAVEMENT MARKING LEGEND**

- (AA) YELLOW PAVEMENT MARKING TAPE, TY. III 5"
- (BB) WHITE PAVEMENT MARKING TAPE, TY. III 5" (575 LIN FT)
- (CC) DOUBLE YELLOW PAVEMENT MARKING TAPE, TY. III 5" (2 X 575 LIN FT)

**WESTBOUND LANES**

**LEGEND**

- DRUM WITH 2 MONO-DIRECTIONAL STEADY BURNING LIGHTS
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS (STD. 702001)
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



MATCH LINE (EBL)

PIER 35

PIER 34

PIER 33

PIER 32

PIER 31

PIER 30

PIER 29

PIER 28

PIER 27

PIER 26

PIER 25

MATCH LINE (EBL)

**EASTBOUND LANES**

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -
pw:\IL\084EBID\INTEG\Illinois.gov\PI\DOT\Documents\IDOT Offices\District 6\Projects\06724\Drawings\EA0\Drawings\06724-SP-PM-01.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/17/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAP 63 (US 24)  
TRAF CONT & PROTECTION (SP)**

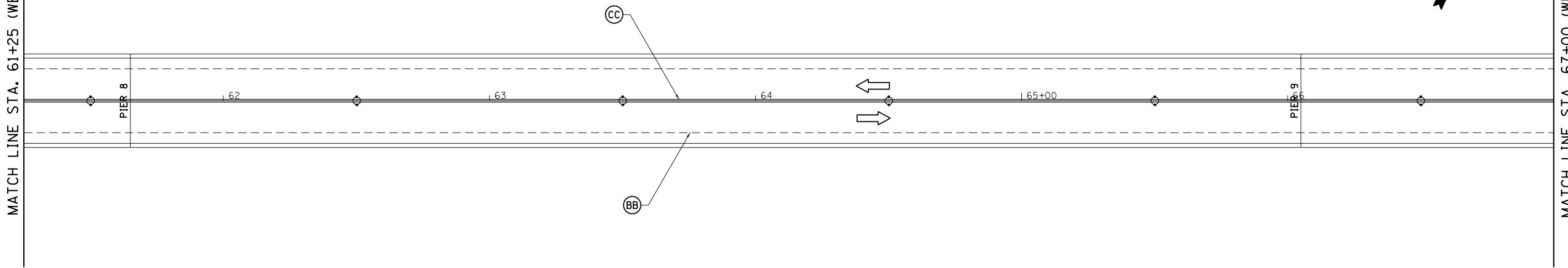
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12BI)-7	ADAMS	45	35
CONTRACT NO. 72H65			ILLINOIS FED. AID PROJECT	



MATCH LINE STA. 61+25 (WBL)

MATCH LINE STA. 67+00 (WBL)



**PAVEMENT MARKING LEGEND**

- (AA) YELLOW PAVEMENT MARKING TAPE, TY. III 5"
- (BB) WHITE PAVEMENT MARKING TAPE, TY. III 5" (575 LIN FT)
- (CC) DOUBLE YELLOW PAVEMENT MARKING TAPE, TY. III 5" (2 X 575 LIN FT)

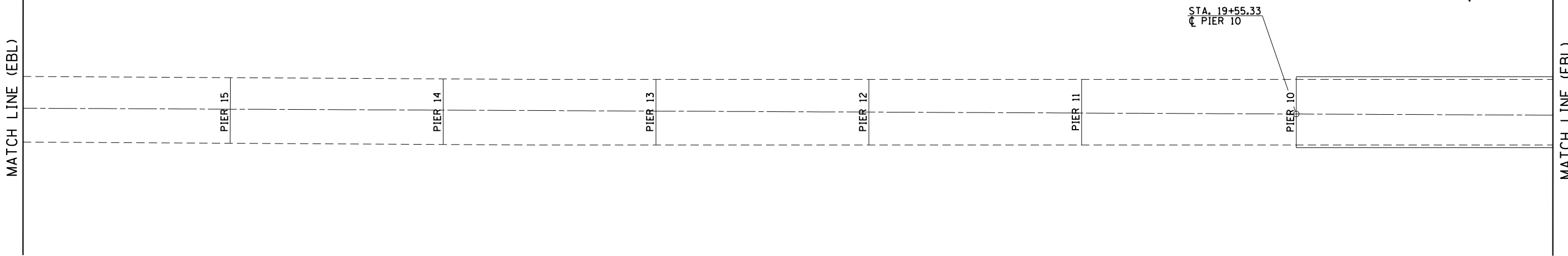
**WESTBOUND LANES**

**LEGEND**

- DRUM WITH 2 MONO-DIRECTIONAL STEADY BURNING LIGHTS
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS (STD. 702001)
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

MATCH LINE (EBL)

MATCH LINE (EBL)



**EASTBOUND LANES**

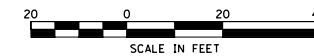
FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 6\Projects\0672\Drawings\EA0\Sheets\0672H65-sht-PM-plr		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/17/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAP 63 (US 24)  
TRAF CONT & PROTECTION (SP)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12BI)-7	ADAMS	45	37
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72H65	



MATCH LINE STA. 67+00 (WBL)

MATCH LINE STA. 72+75 (WBL)

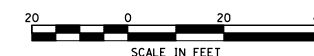
**PAVEMENT MARKING LEGEND**

- (AA) YELLOW PAVEMENT MARKING TAPE, TY. III 5"
- (BB) WHITE PAVEMENT MARKING TAPE, TY. III 5" (575 LIN FT)
- (CC) DOUBLE YELLOW PAVEMENT MARKING TAPE, TY. III 5" (2 X 575 LIN FT)

**WESTBOUND LANES**

**LEGEND**

- DRUM WITH 2 MONO-DIRECTIONAL STEADY BURNING LIGHTS
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS (STD. 702001)
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



MATCH LINE (EBL)

MATCH LINE (EBL)

**EASTBOUND LANES**

STA. 13+27.67  
C PIER 9

PIER 9

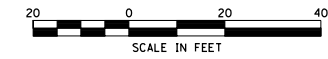
FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -
p:\11\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 6\Projects\0672\Drawings\EA0\sheets\0672H65-sht-PM-pl		CHECKED -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -
	PLOT DATE = 8/17/2015		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAP 63 (US 24)  
TRAF CONT & PROTECTION (SP)**

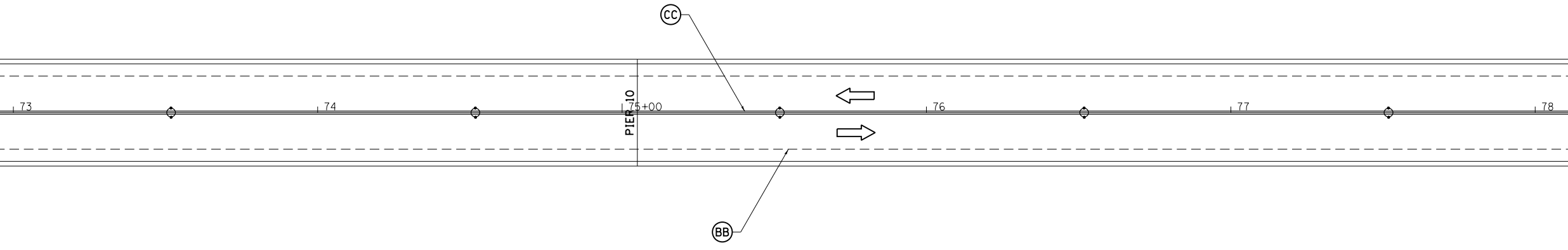
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B)-7	ADAMS	45	38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72H65	



MATCH LINE STA. 72+75 (WBL)

MATCH LINE STA. 78+50 (WBL)



**PAVEMENT MARKING LEGEND**

- (AA) YELLOW PAVEMENT MARKING TAPE, TY. III 5"
- (BB) WHITE PAVEMENT MARKING TAPE, TY. III 5" (575 LIN FT)
- (CC) DOUBLE YELLOW PAVEMENT MARKING TAPE, TY. III 5" (2 X 575 LIN FT)

**WESTBOUND LANES**

**LEGEND**

- DRUM WITH 2 MONO-DIRECTIONAL STEADY BURNING LIGHTS
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS (STD. 702001)
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



MATCH LINE (EBL)

MATCH LINE (EBL)

**EASTBOUND LANES**

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -
pw:\IL\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 6\Projects\067246\Drawings\EA0\Sheets\0672465-sht-PM-pl		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/17/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

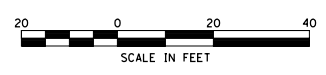
**FAP 63 (US 24)  
TRAF CONT & PROTECTION (SP)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12BI)-7	ADAMS	45	39
CONTRACT NO. 72H65			ILLINOIS FED. AID PROJECT	

MATCH LINE STA. 78+50 (WBL)

MATCH LINE STA. 84+25 (WBL)



79 80+00 81 82 83 84

PIER 11

PIER 12

PIER 13

**PAVEMENT MARKING LEGEND**

- (AA) YELLOW PAVEMENT MARKING TAPE, TY. III 5"
- (BB) WHITE PAVEMENT MARKING TAPE, TY. III 5" (575 LIN FT)
- (CC) DOUBLE YELLOW PAVEMENT MARKING TAPE, TY. III 5" (2 X 575 LIN FT)

**WESTBOUND LANES**

**LEGEND**

- DRUM WITH 2 MONO-DIRECTIONAL STEADY BURNING LIGHTS
- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS (STD. 702001)
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



MATCH LINE (EBL)

PIER 7

PIER 6

PIER 5

PIER 4

PIER 3

PIER 2

PIER 1

CL. BRG. EAST ABUT.  
BK. OF ABUT. (EAST)

**EASTBOUND LANES**

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 6\Projects\0672\Drawings\EA0\Sheets\0672H65-sht-PM-plr		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/17/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

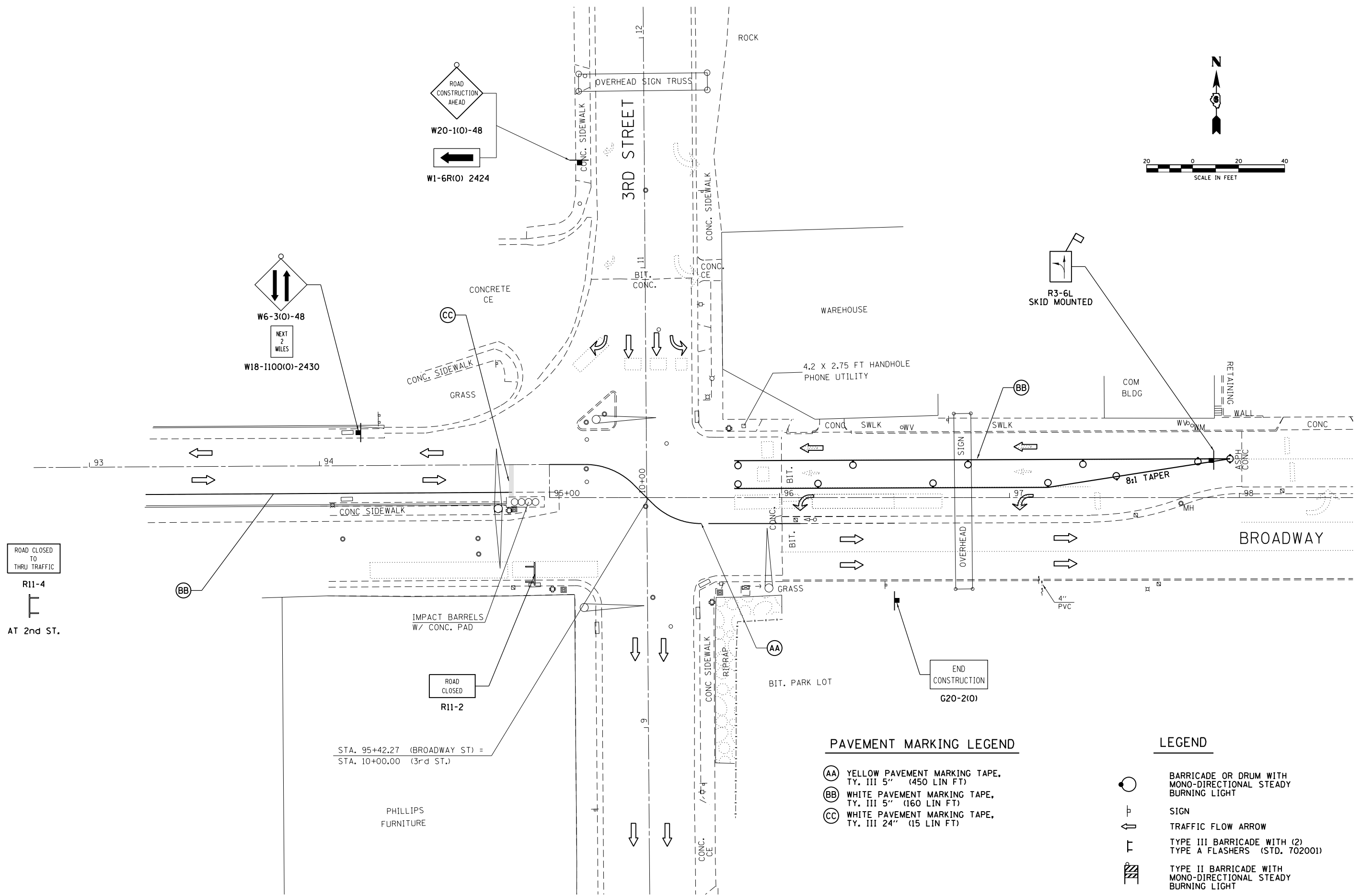
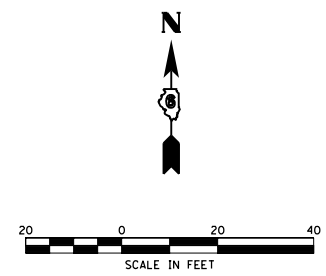
**FAP 63 (US 24)  
TRAF CONT & PROTECTION (SP)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B)-7	ADAMS	45	40
CONTRACT NO. 72H65			ILLINOIS FED. AID PROJECT	







ROAD CLOSED TO THRU TRAFFIC  
R11-4  
AT 2nd ST.

ROAD CLOSED  
R11-2

END CONSTRUCTION  
G20-210

**PAVEMENT MARKING LEGEND**

- (AA) YELLOW PAVEMENT MARKING TAPE, TY. III 5" (450 LIN FT)
- (BB) WHITE PAVEMENT MARKING TAPE, TY. III 5" (160 LIN FT)
- (CC) WHITE PAVEMENT MARKING TAPE, TY. III 24" (15 LIN FT)

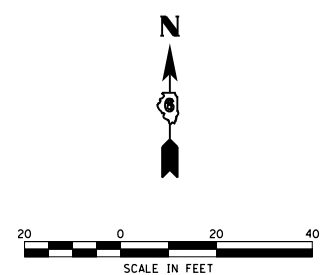
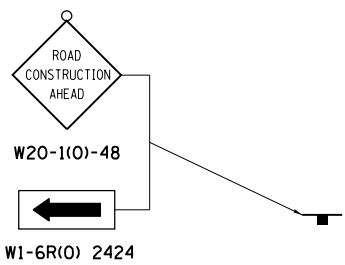
**LEGEND**

- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS (STD. 702001)
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

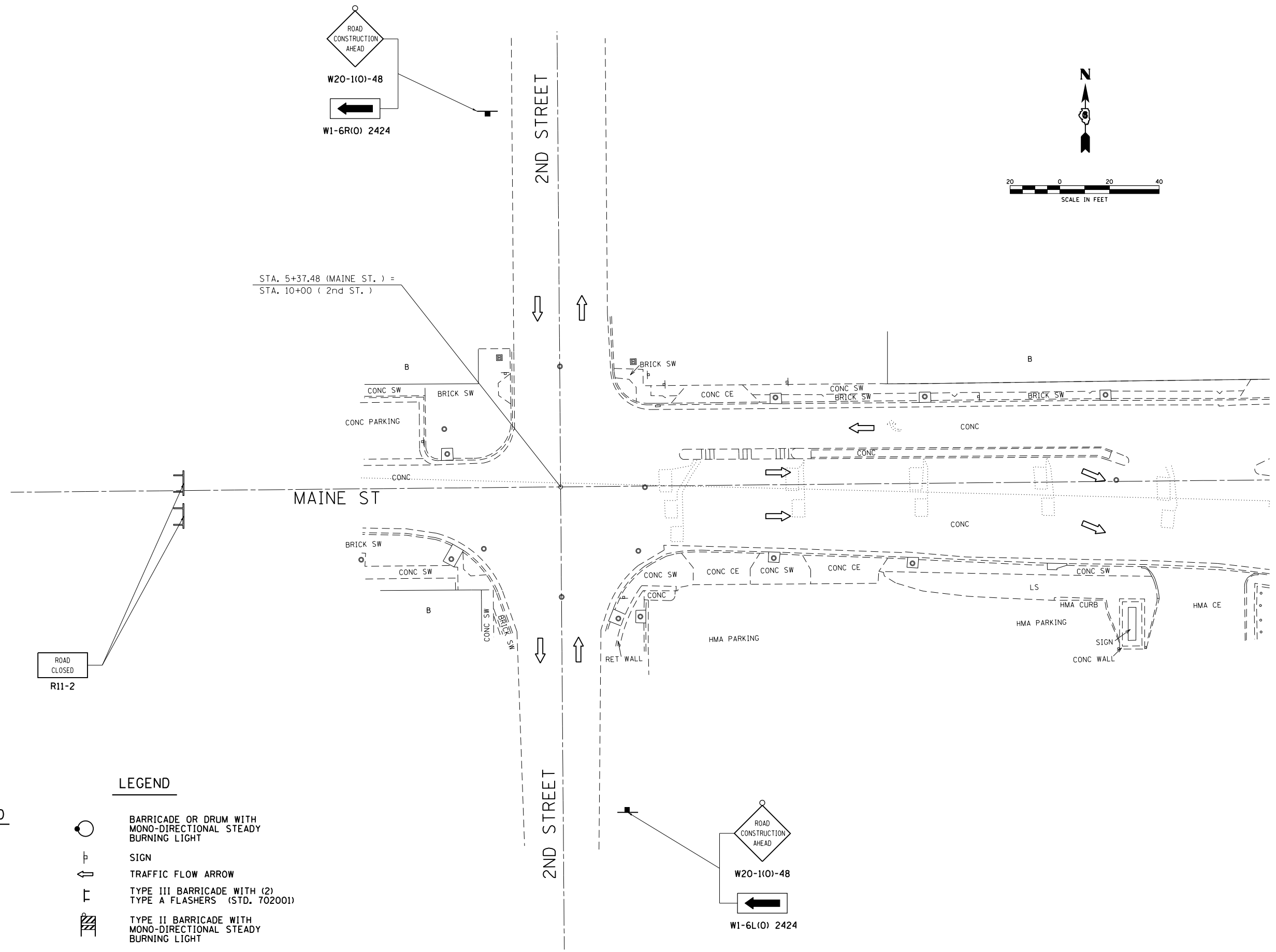
STA. 95+42.27 (BROADWAY ST) =  
STA. 10+00.00 (3rd St.)

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>3RD STREET &amp; BROADWAY TRAF CONT &amp; PROTECTION (SP)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 6\Projects\0672\Drawings\EA0\Drawings\0672\0672-INT.dwg		CHECKED -	REVISED -		63	(12)BI-7	ADAMS	45	42			
Default	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 72H65				
	PLOT DATE = 8/17/2015							ILLINOIS FED. AID PROJECT				





STA. 5+37.48 (MAINE ST.) =  
STA. 10+00 ( 2nd ST. )

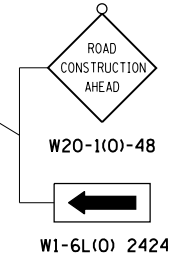


**LEGEND**

**PAVEMENT MARKING LEGEND**

- (AA) YELLOW PAVEMENT MARKING TAPE, TY. III 5"
- (BB) WHITE PAVEMENT MARKING TAPE, TY. III 5"
- (CC) WHITE PAVEMENT MARKING TAPE, TY. III 24"

- BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- SIGN
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE WITH (2) TYPE A FLASHERS (STD. 702001)
- TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT



FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>2ND STREET &amp; MAINE ST TRAF CONT &amp; PROTECTION (SP)</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\IDOT Offices\District 6\Projects\0672\Drawings\EA0\Drawings\0672\0672-INT.dgn		REVISIONS	REVISIONS		63	(12B)-7	ADAMS	45	44				
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 72H65								
	PLOT DATE = 8/17/2015	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

