06-13-14 LETTING ITEM 068

FOR INDEX OF SHEETS, SEE SHEET NO. 2

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FOR STATE STANDARDS DISTRICT STANDARDS AND GENERAL NOTES SEE SHEET NO. 2

WHITESIDE COUNTY - HOPKINS TOWNSHIP - SECTION 34

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

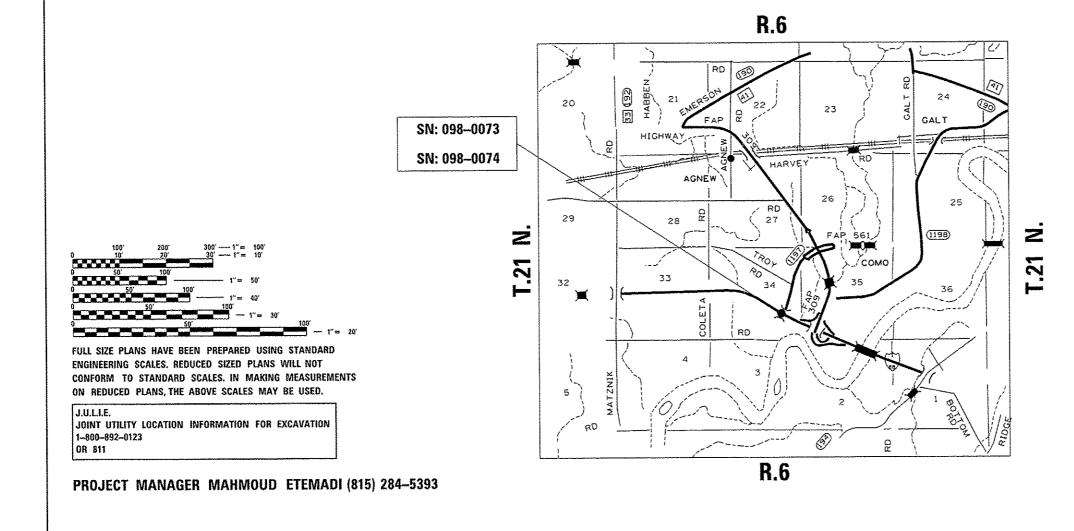
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 88 (I-88)

D2 BRIDGE PAINTING 2014–5 PROJECT TYPE of IMPROVEMENT – BRIDGE PAINTING WHITESIDE COUNTY

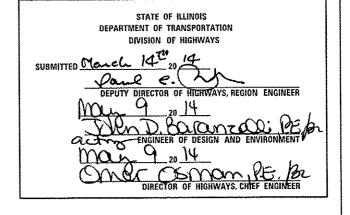
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CONTRACT NO. 64K12

F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
88	D2 BRIDGE PAINTING 2014-	WHITESIDE	12	1
	ILLINO	00117010	T NO. 6	54K12





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INDEX OF SHEETS

- COVER SHEET INDEX OF SHEETS, STATE AND DISTRICT STANDARDS AND GENERAL NOTES SUMMARY OF QUANTITIES
- 3 TRAFFIC CONTROL
- 4-5
- DISTRICT STANDARDS 7-12 EXISTING BRIDGE PLANS

STATE STANDARDS

701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (500 mm) FROM PAVEMENT EDGE 701101-04 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS 701311-03 LANE CLOSURE 2L. 2W MOVING OPERATIONS-DAY ONLY 701321-13 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER 701901-03 TRAFFIC CONTROL DEVICES 704001-07 TEMPORARY CONCRETE BARRIER 720011-01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS 728001-01 TELESCOPING STEEL SIGN SUPPORT 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

DISTRICT STANDARDS

39.2 INFORMATIONAL WARNING SIGNS (FOR NARROW TRAVEL LANES)

99.4 STOP LINE SIGN FOR TEMPORARY SIGNALS

GENERAL NOTES

ALL BORROWWASTEUSE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES. INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING 2A SHALL BE USED. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR CLEANING AND PAINTING STEEL BRIDGE NO.1 AND CLEANING AND PAINTING STEEL BRIDGE NO.2 RESPECTIVELY

MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF THE CLEANING AND PAINTING STEEL BRIDGE NO.1 AND CLEANING AND PAINTING STEEL **BRIDGE NO.2 RESPECTIVELY.**

FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS SHALL BE INCLUDED IN THE COST OF THE CLEANING AND PAINTING STEEL BRIDGE NO.1 AND CLEANING AND PAINTING STEEL BRIDGE NO.2 RESPECTIVELY.

THE SSPC OPI AND OP2 CONTRACT CERTIFICATIONS WILL BE REQUIRED FOR THIS CONTRACT.

NO MATERIALS, EQUIPMENT, VEHICLES OR OTHER HAZARDS SHALL BE WITHIN 3"-6" OF THE TEMPORARY CONCRETE BARRIER WALL, MEASURED FROM THE CLOSEST POINT OF THE BARRIER WALL PERPENDICULAR TO THE HAZARD. EQUIPMENT THAT IS ACTIVELY WORKING WITH 3'-6" OF THE RARRIER WALL MAY RE ALLOWED FOR A SHORT DURATION OF APPROVED BY THE ENGINEER REQUIRED FOR THE WORK ACTIVITY, AND THERE IS NOT ANOTHER METHOD TO COMPLETE THE WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DUBING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 809-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE

Company	Type	Contact Name	Contact Information
Commonwealth Edison Company	Electric	Ms. Nora Fernandez	123 Energy Ave, Beckford, IL 61109 Phone No. 815-490-2869
AT&T	Telephone	Mr, David Crosn	2800 7 Street Moline, IL 61265 Phone No. 309-757-4707
G4S Technology, LLC	Communication	Mr. Chance Elker	1428 Sherman Road Remeoville, IL 60948 Phone No. 530-343-2802

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815/284-5469 AT LEAST 48 HOURS PRIOR TO WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE MUNICIPALITY TO DETERMINE APPROVED METHODS OF UTILITY STRUCTURE ADJUSTMENT, UTILITY STRUCTURES MAY INCLUDE, BUT ARE NOT LIMITED TO, MANHOLES, WATER VALVES, HANDHOLES, ETC. ALL MATERIALS AND WORK NECESSARY TO COMPLETE ADJUSTMENTS PER MUNICIPALITY REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED ADJUSTMENT PAY ITEM.

	DESIGNED -	REVISED -		INDEX OF SHEETS STATE STANDARDS	F.A.I SECTION COUNTY TOTAL SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS		88 D2 BRIDGE PAINTING 2014-5 WHITESIDE 12 2
	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS, GENERAL NOTES	CONTRACT NO. 64K12
 DATE - REVISED -	I REVISED -			ILLINGIS	

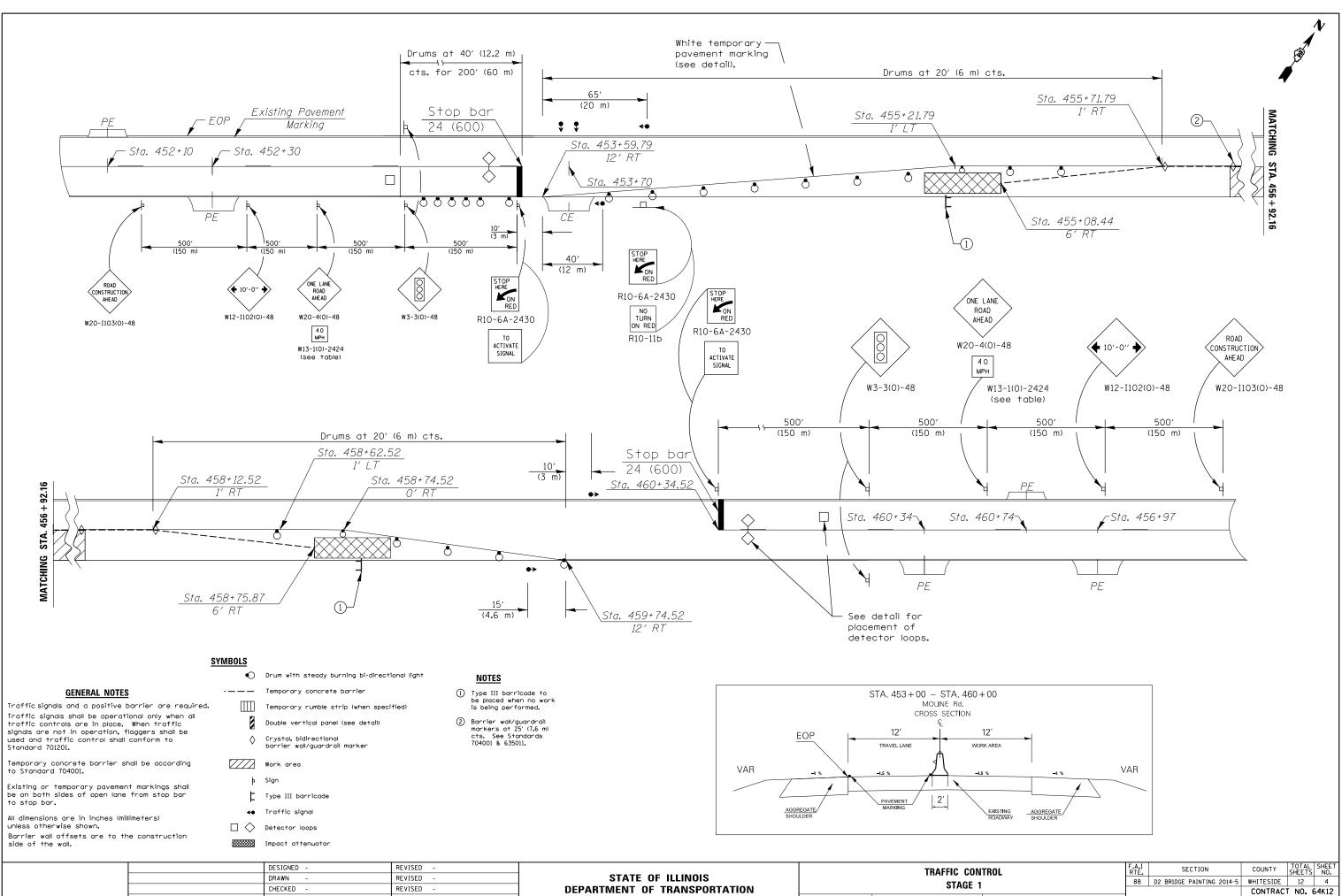
	2		.:84+
ALL C	199	ð.	

	SUMMARY OF QUANTITIES		100% State Fu
	T		0014
Pay Item No.	Description	Units	Total Quantit
67100100	MOBILIZATION	L SUM	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1,230
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	48
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	505
70400100	TEMPORARY CONCRETE BARRIER	FOOT	367.43
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	126.70
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,732
78300100	PAVEMENT MARKING REMOVAL	SQ. FT	164
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1
X5067502	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2	L SUM	1
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1

*specialty Hems

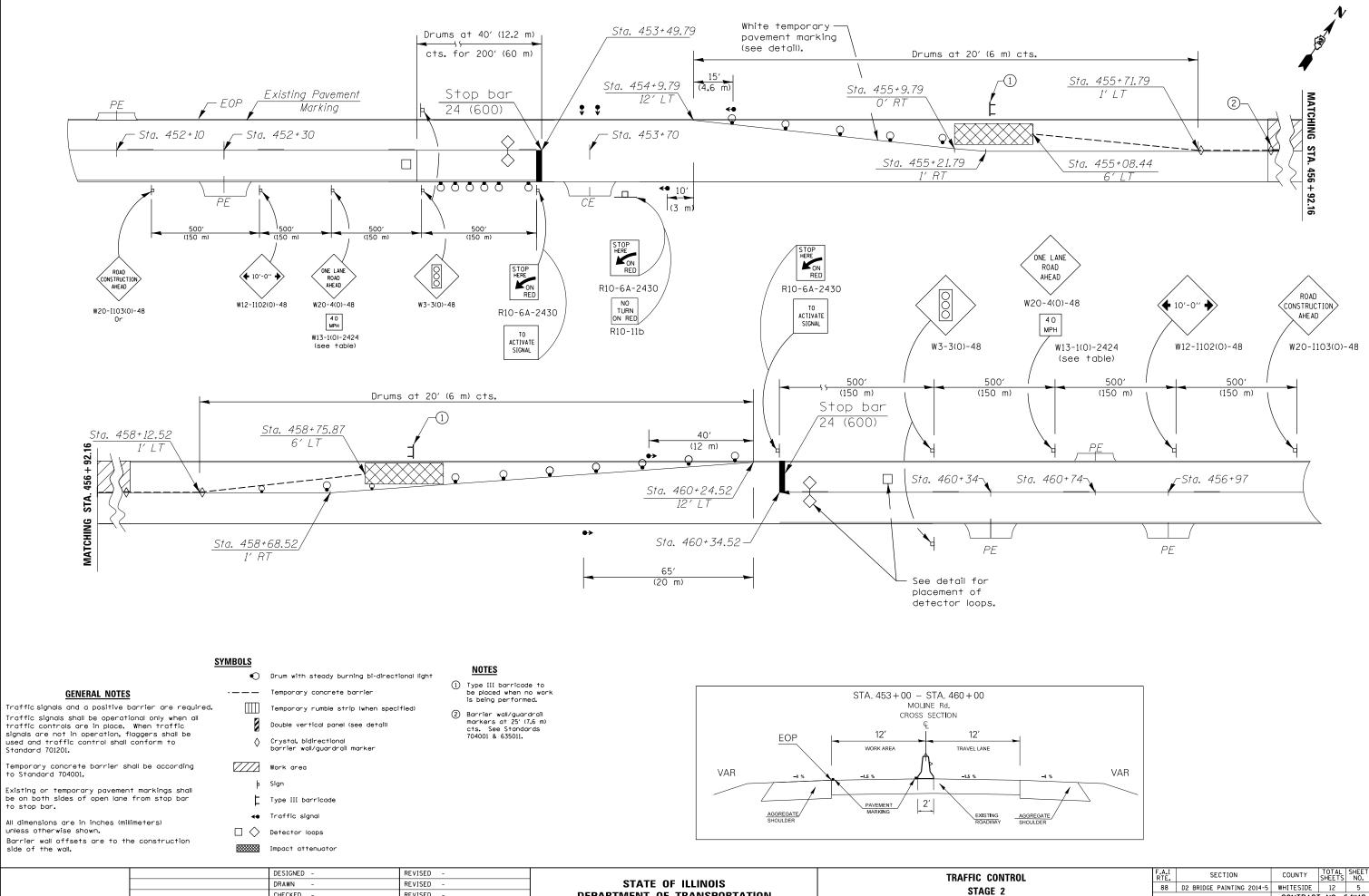
	DESIGNED -	REVISED -		
	DRAWN -	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANT
	CHECKED	REVISED -	DEPARTMENT OF TRANSPORTATION	
	DATE	REVISED -		

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ILLINOIS

	DESIGNED -	REVISED -		TRAFFIC CON
	DRAWN -	REVISED -	STATE OF ILLINOIS	
	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	STAGE [*]
	DATE -	REVISED -		



DEPARTMENT OF TRANSPORTATION

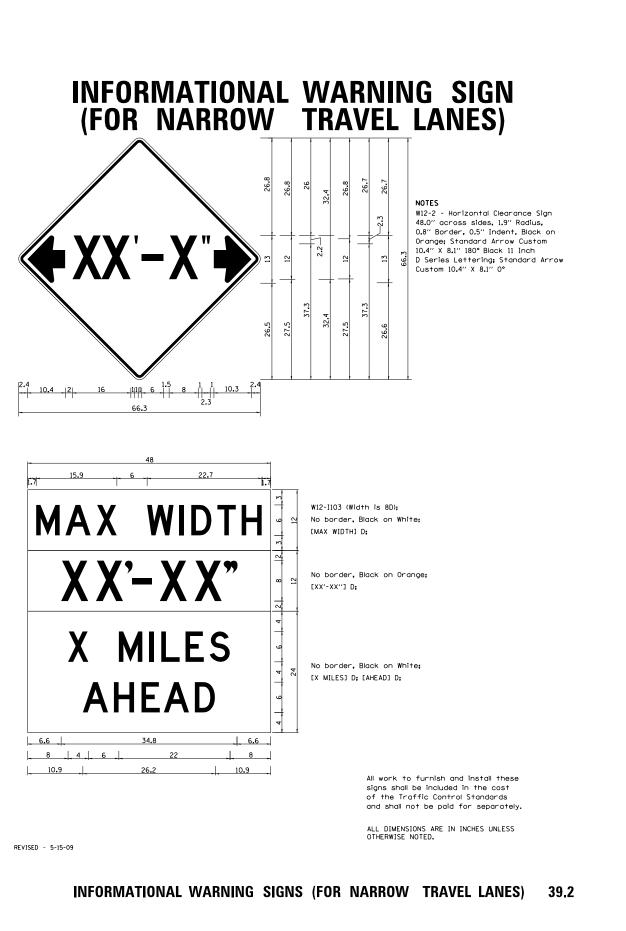
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NTROL	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	88	D2 BRIDGE PAINTING 2014-5	WHITESIDE	12	5
2			CONTRAC	T NO. 6	54K12
		ILLINOIS			



ACTIVATE SIGNAL

REVISED - 10-11-11

DESIGNED -REVISED SECTION COUNTY
 TATL
 SECTION
 COUNTY
 SHEETS
 NO.

 88
 D2 BRIDGE PAINTING 2014-5
 WHITESIDE
 12
 6
 STATE OF ILLINOIS **DISTRICT STANDARDS** DRAWN REVISED CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 64K12 DATE REVISED

STOP LINE SIGN FOR TEMPORARY SIGNALS

SIZE: 24 × 24

4 CAPITAL LETTERS - BLACK

1/2 BORDER - BLACK

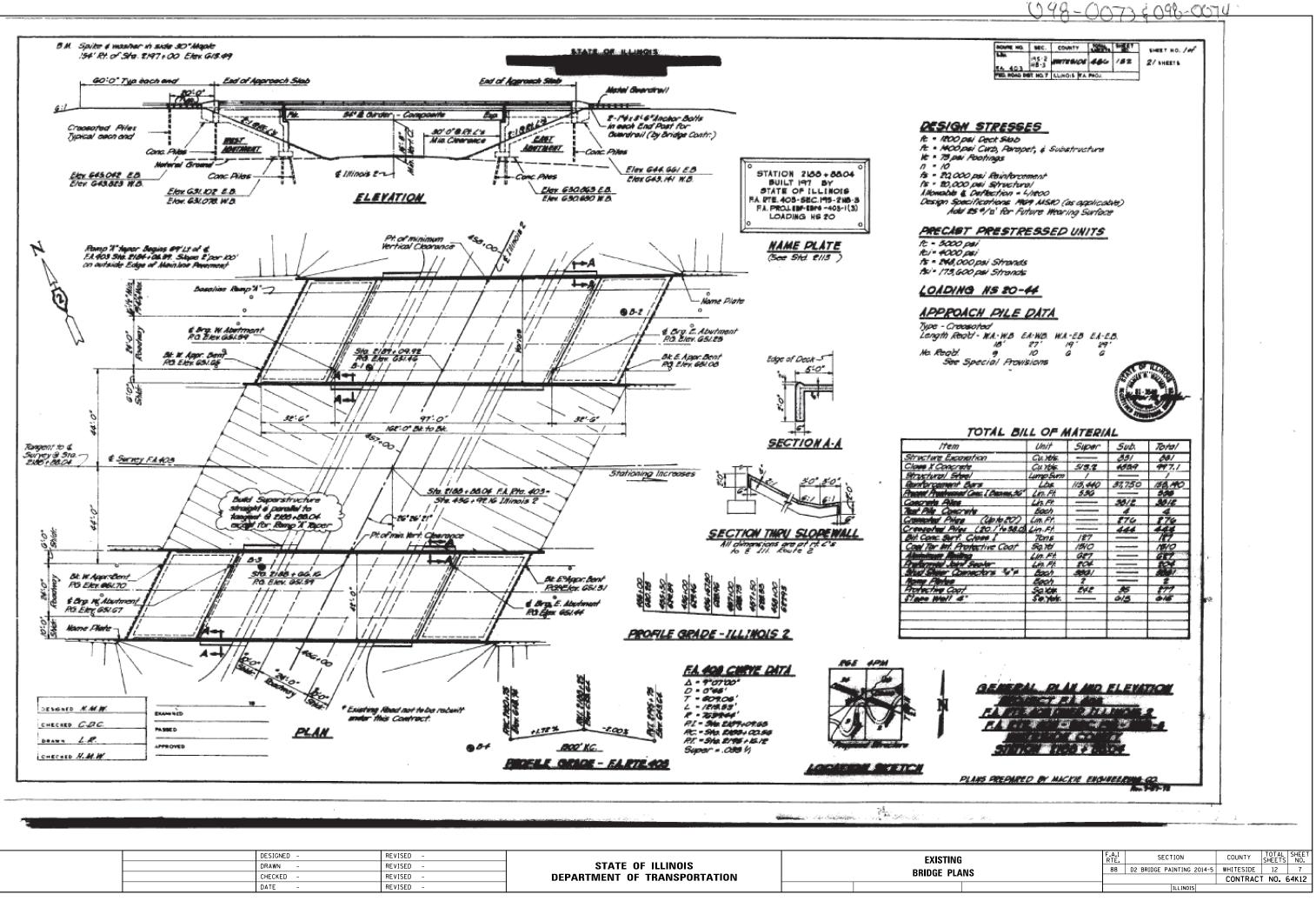
WHITE REFLECTIVE - TYPE AP HIGH INTENSITY PRISMATIC SHEETING

GENERAL NOTE:

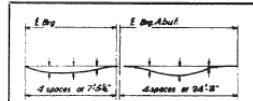
THIS SIGN SHALL BE INSTALLED AT THE STOP LINE AS DIRECTED BY ENGINEER.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

STOP LINE SIGN FOR TEMPORARY SIGNALS 99.4



G		F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
л	NS	88	D2 BRIDGE PAINTING 2014-5	WHITESIDE	12	7
ANJ				CONTRAC	T NO. 6	54K12
			ILLINOIS			



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete anty) lible: The above deflections are not to be used in the hold if the originaar is working from the grade alevations

adjusted for dead load deflections as shown below

To determine "1": After all process prestrassed beams have been precised, elevations of the top Ranges of the beams shall be taken at intervate shawn below. These elevations of submacted algobraically from the "Theoretical Grade Dimathma Aglanter for Doort Load Deflections shown below, mitual stab thickness, equals the filter heights '7'. A possible value of '7' grade the filter height above the fact of the beam. A negative value of '7', not be anceed 5, equals the embedment of the beam above the Mearshird better of stab alevation.

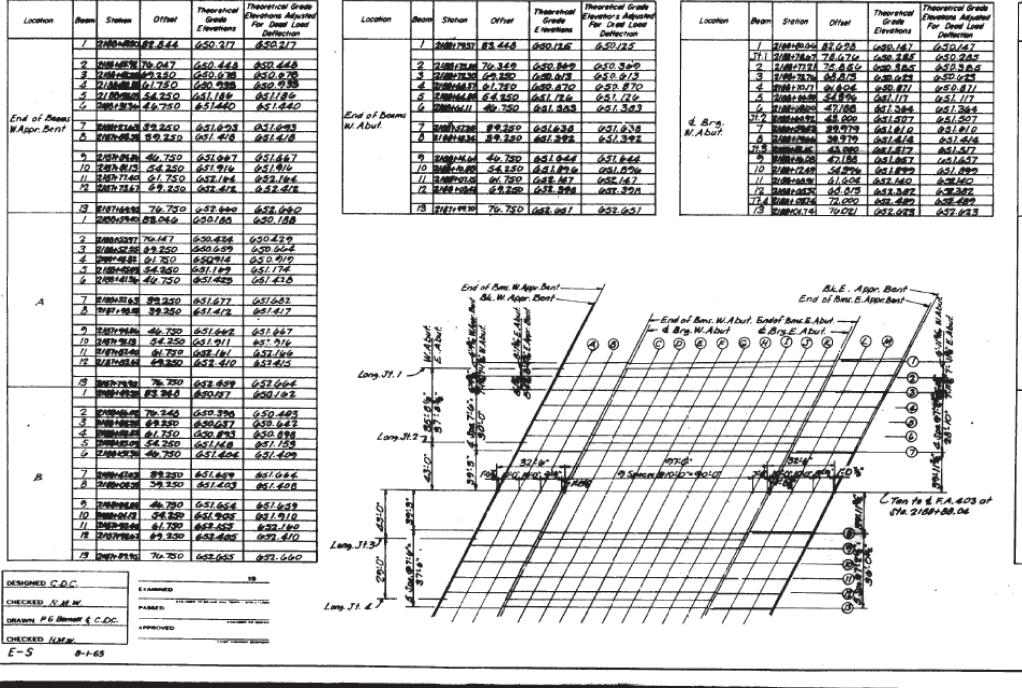
FILLET HEIGHTS





To determine "I⁴". After all structural steel has been arsched, elevations of the top Ranges of the beams shaft be taken at intervals shown below. These elevations submactal from the "Theoretical Brade Elevations Adjusted for Deed Load Deflection" shown below, minus shab thistoness, equals the Mile heights "I" above top flange of FILLET HEIGHTS

Note. Offsets are measured from tangent to £ FA403 of Sto. 2/88+88.04 Elevations are to two of commente deck.



E-S

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B

	DESIGNED - DRAWN - CHECKED -	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING Bridge pla	
	DATE -	REVISED -			

	1		1
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Z	4	÷.	4

-	-		-475	122.	SHEAT HO.	
*** 195-2 ***05 HB-8		WHITZSIDE	486	184	2/ SHRETA	
		10.000 100.000				

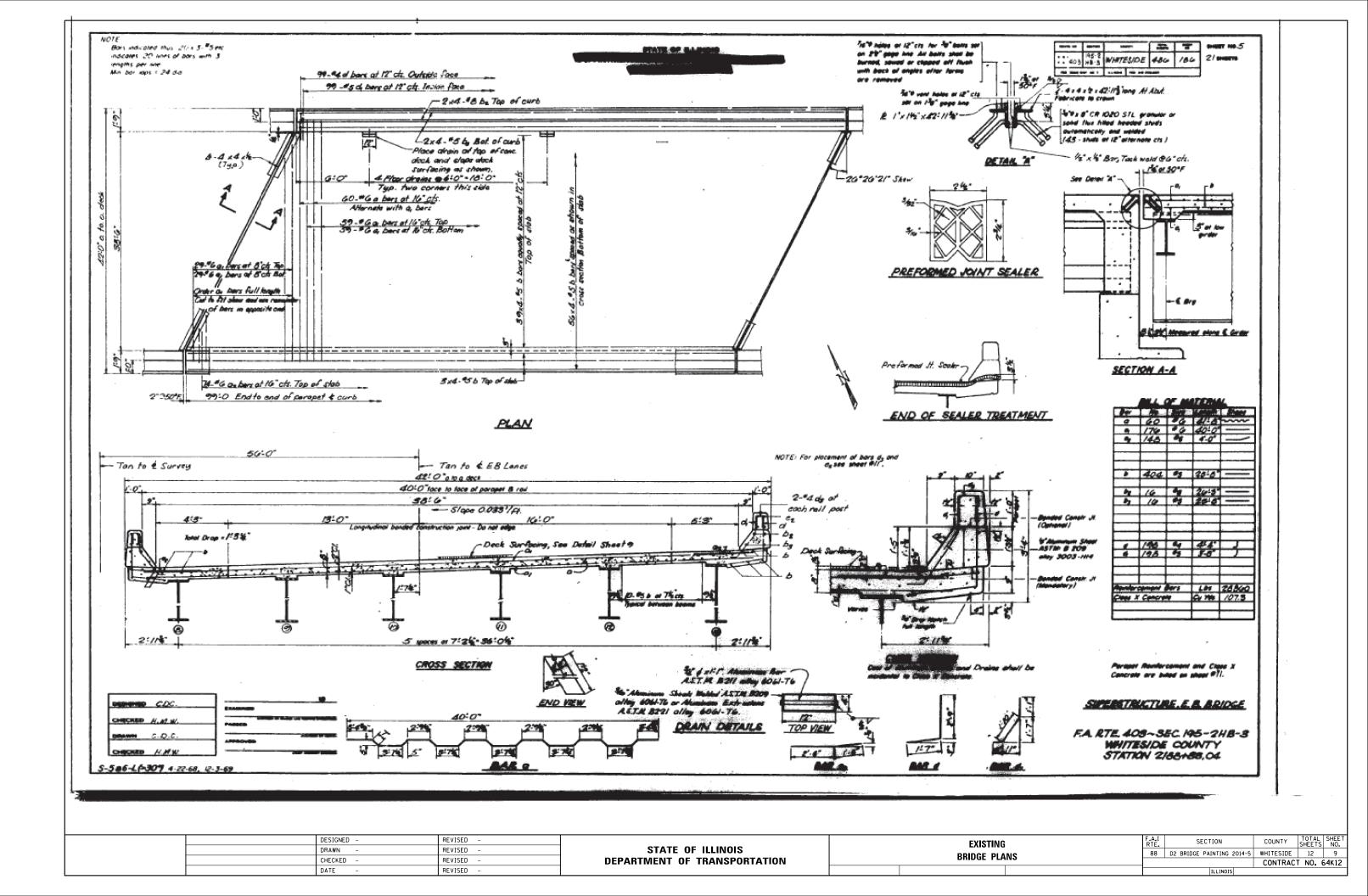
At Maximum Filipi

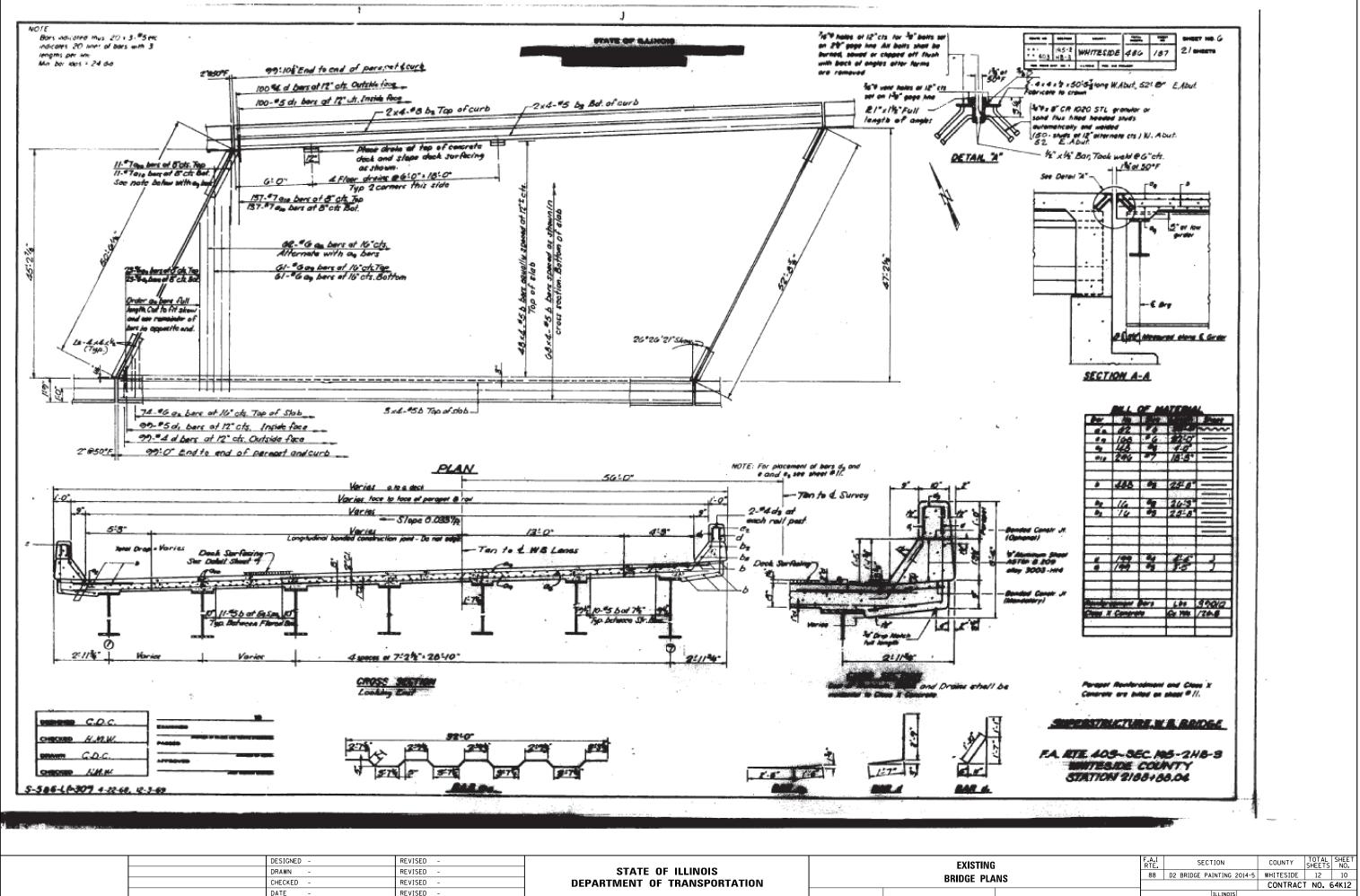
			1		
Location	Beam	Station	Other	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Deed Load Deflection
	4	2449+93.76	82.900	650.045	650.108
	Jt.I	2400+68.77	78.886	650.249	650.312
	2	212040152	75.854	650.354	430.417
	3	2/01+053	66.8/3	650.596	050.459
	4	2/00+04/7	91.604	650.844	630.907
	5	2/84+74.5	54.894	451.092	451.155
	6	1. 3.160	47.100	651.309	451.402
С	11.2	2444-72.92	43.000	651.463	451.544
	17	20110	39.772	631.586	4.51.649
	8	4	39.979	651401	451.444
	7.3		43,000	651504	431.567
	2	11 12 14	47.188	081.644	451.707
	10	24.00 B.C.	54.394	65/87	451.950
	12	2/24+29	61.604	952.115	452.778
	9.4	77777	68.0/5	652.37/	452.434
	/3		72.000	452.479	452.642
	13	<u>1</u>	76.021	052.0/3	452.476
	31.1	2. a	79.005	650.072	050.108
	2	$\frac{1}{2}$	75.954	450.319	450.436
	3	7	00.013	050.560	660.682
	4	71	01.004	650.815	690.931
	5	1	56396	451.064	451.180
	6		47.188	651.312	451.428
	12	and star	43.000	651.436	601.572
	7		39,979	651.540	451.676
D	0	 South and the second sec	32.979	431.304	651.500
-	71.0		43.000	661.440	451.604
	2	an an Sa	47.188	451.624	451.744
	10		54.394	451.072	451.988
	11	1	61.004	642.115	(452.231
	12	1.12	48.813	651.350	452.474
	12.2		72.000	661.447.	452.585
	1-1	an a	74.021	662.691	058.717
	1	1	1.104	000.031	650.167
	141	6 1 1 1	79.801	650.171	650.327
	2		74.007	650.265	650.492
	3	the and a firm	MAB	650.534	650.690
	4		61.604	6490.784	050.940
	5		62 145	651.038	651.189
	11.2	in the second	43.000	651.20	(451.585
	-		30.979	451.531	651.687
ε	8	1.1	30.979	651.365	651.521
1		7 4 1 1	43,000	651.470	651.626
			47.100	651.610	651.766
1	10	ger regerier -	54.3%	651.855	452.011
1	11.		61.604	462.099	652.255
1	12	مك بتدحله	1200	61.20	452.499
1	7.4	7 13	77.000	632.453	652.609
		2.00	74.021	652.507	052.743

ELEVATIONS

FA. RTE. 408-SEC. 195-2HB-3 INHITESIDE COUNTY STATION 2188+88.04

SHEE NO. SECTION COUNTY SHEETS 88 D2 BRIDGE PAINTING 2014-5 WHITESIDE 12 8 CONTRACT NO. 64K12





	DESIGNED -	REVISED -			EXISTING	
	DRAWN -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
	CHECKED -	REVISED -		BRIDGE PLAN		
	DATE -	REVISED -				

