

SN 081-0127

INDEX OF SHEETS

COVER SHEET

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STATE STANDARDS

OFF-ROAD OPERATIONS, 2L,2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY 701006-05 701101-04

- 701400-07
- LANE CLOSURE, FREEWAY/EXPRESSWAY LANE CLOSURE, FREEWAY/EXPRESSWAY LANE CLOSURE, FREEWAY/EXPRESSWAY WITH BARRIER LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS 2 45 MPH TRAFFIC CONTROL DEVICES 701401-08 701402-09 701426-06 701901-03
- 704001-07 TEMPORARY CONCRETE BARRIER
- 720011-01
- 728001-01

METAL POSTS FOR SIGNS, MARKERS & DELINEATORS TELESCOPING STEEL SIGN SUPPORT APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS) 729001-01

GENERAL NOTES

A MINIMUM OF 2 AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS, SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 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.

FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF CLEANING AND PAINTING STEEL BRIDGE NO. 1.

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.

ALL BORROW/WASTE/USE 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.

TEMPORARY IMPACT ATTENUATORS WILL BE MEASURED AS EACH FOR EACH ATTENUATOR SUPPLIED ON THE JOB AS SPECIFIED IN THE PLANS, AND SHALL INCLUDE THE COST OF RENTING/OWNING THE ATTENUATOR FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVAL FROM THE ROADWAY. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, TEMPORARY OF THE TYPE SPECIFIED.

RELOCATE TEMPORARY IMPACT ATTENUATOR WILL BE PAID FOR AS EACH AND WILL BE PAID FOR EACH TIME THE ATTENUATOR IS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE/STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.

THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATIONS. TEMPORARY CONCRETE BARRIER WILL BE MEASURED IN FEET ALONG THE CENTERLINE OF THE BARRIER AND SHALL INCLUDE THE COST OF RENTING/OWNING THE BARRIER FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVAL FROM THE ROADWAY IN ACCORDANCE WITH SECTION 704 OF THE STANDARD AND SPECIFICATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR TEMPORARY CONCRETE BARRIER.

RELOCATE TEMPORARY CONCRETE BARRIER WILL BE PAID FOR IN FEET ALONG THE CENTERLINE OF THE BARRIER, AND WILL BE PAID FOR EACH TIME THE BARRIER IS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE/STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING 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 800-892-0123.

THE SSPC OP1 & OP2 CONTRACT CERTIFICATIONS WILL BE REQUIRED FOR THIS CONTRACT.

HAZARDS BEHIND TEMPORARY CONCRETE BARRIER WALL: 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 WITHIN 3'-6" OF THE BARRIER WALL MAY BE ALLOWED FOR A SHORT DURATION, IF APPROVED BY THE ENGINEER, REQUIRED FOR THE WORK ACTIVITY, AND THERE IS NOT ANOTHER METHOD TO COMOPLETE THE WORK.

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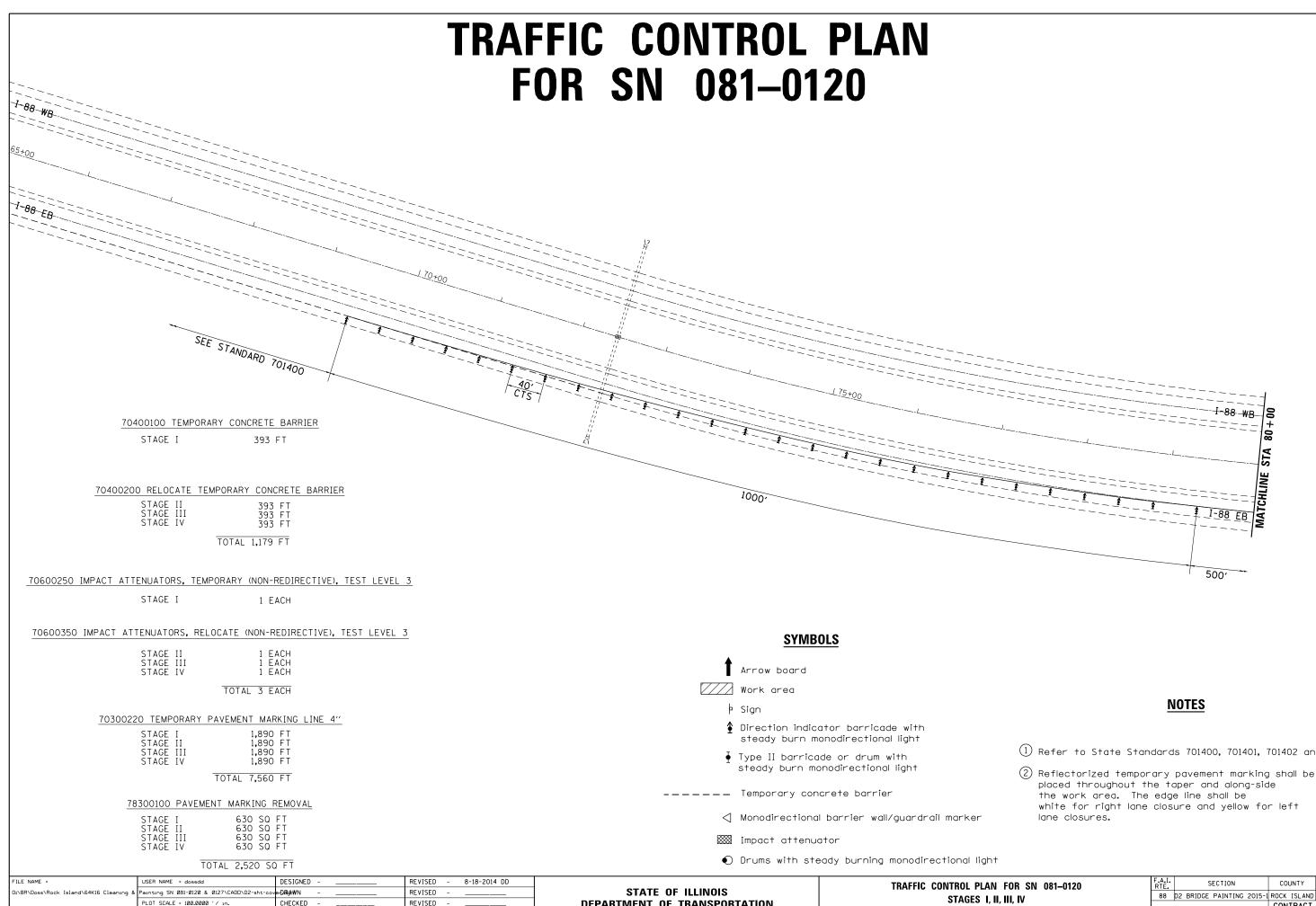
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1LJ					CON	TRACT	NO. (64K16
STA TO STA	ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	U
67100100	MOBILIZATION	LS
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EA
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	LS
70300220	TEMPORARY PAVEMENT MARKING LINE 4"	FO
70400100	TEMPORARY CONCRETE BARRIER	FO
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FO
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EA
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EA
78300100	PAVEMENT MARKING REMOVAL	SQ
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	LS
X5067502	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2	LS
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	LS
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	LS
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	LS
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	LS
X7010410	SPEED DISPLAY TRAILER	CAL

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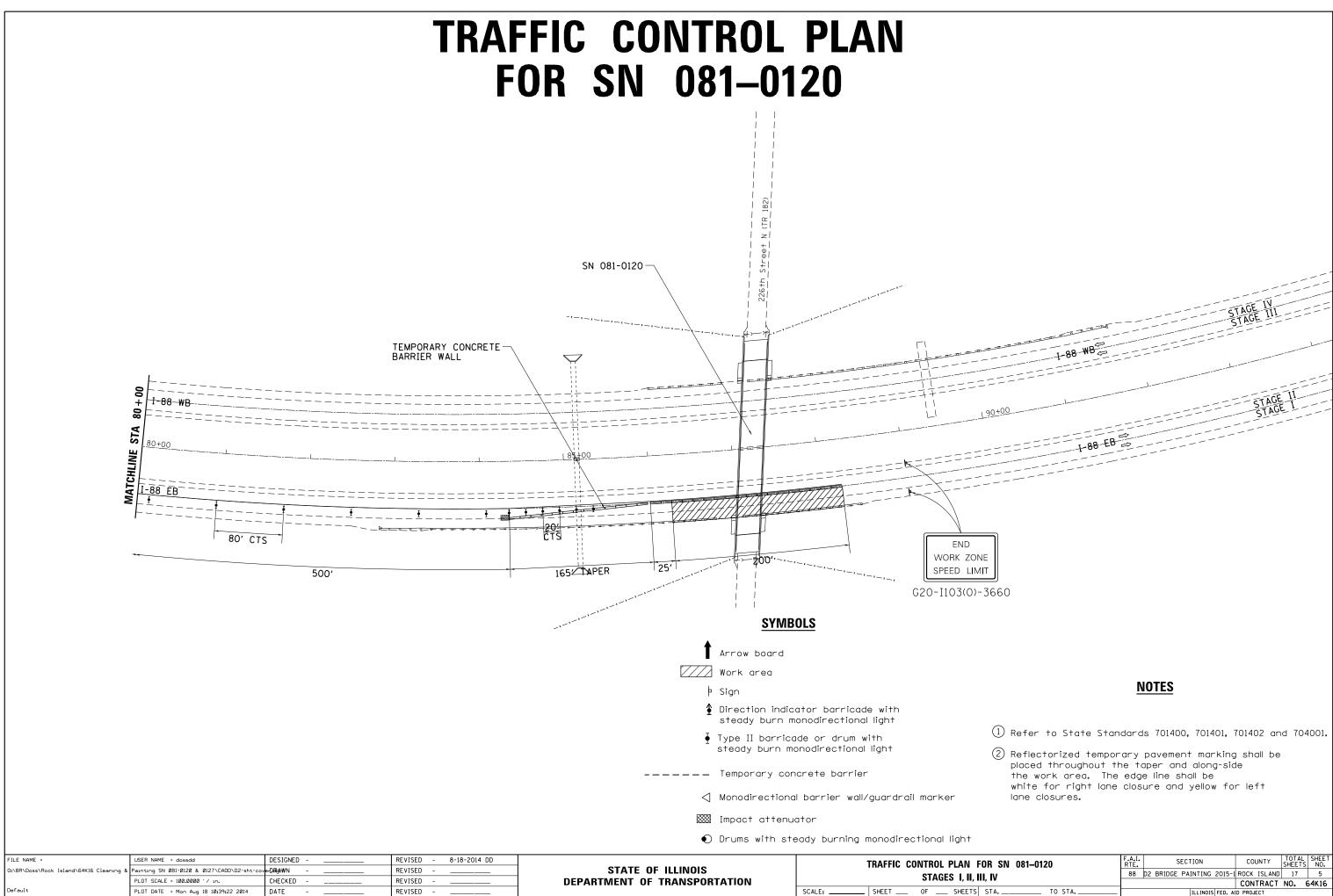
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NIT	TOTAL QUANTITY	ROCK ISLAND	
	URBAN	URBAN	
SUM	1	1	
ACH	4	4	
SUM	1	1	
тос	15,160	15,160	
тос	786	786	
тос	2,358	2,358	
ACH	2	2	
ACH	6	6	
QFT	5,052	5,052	
SUM	1	1	
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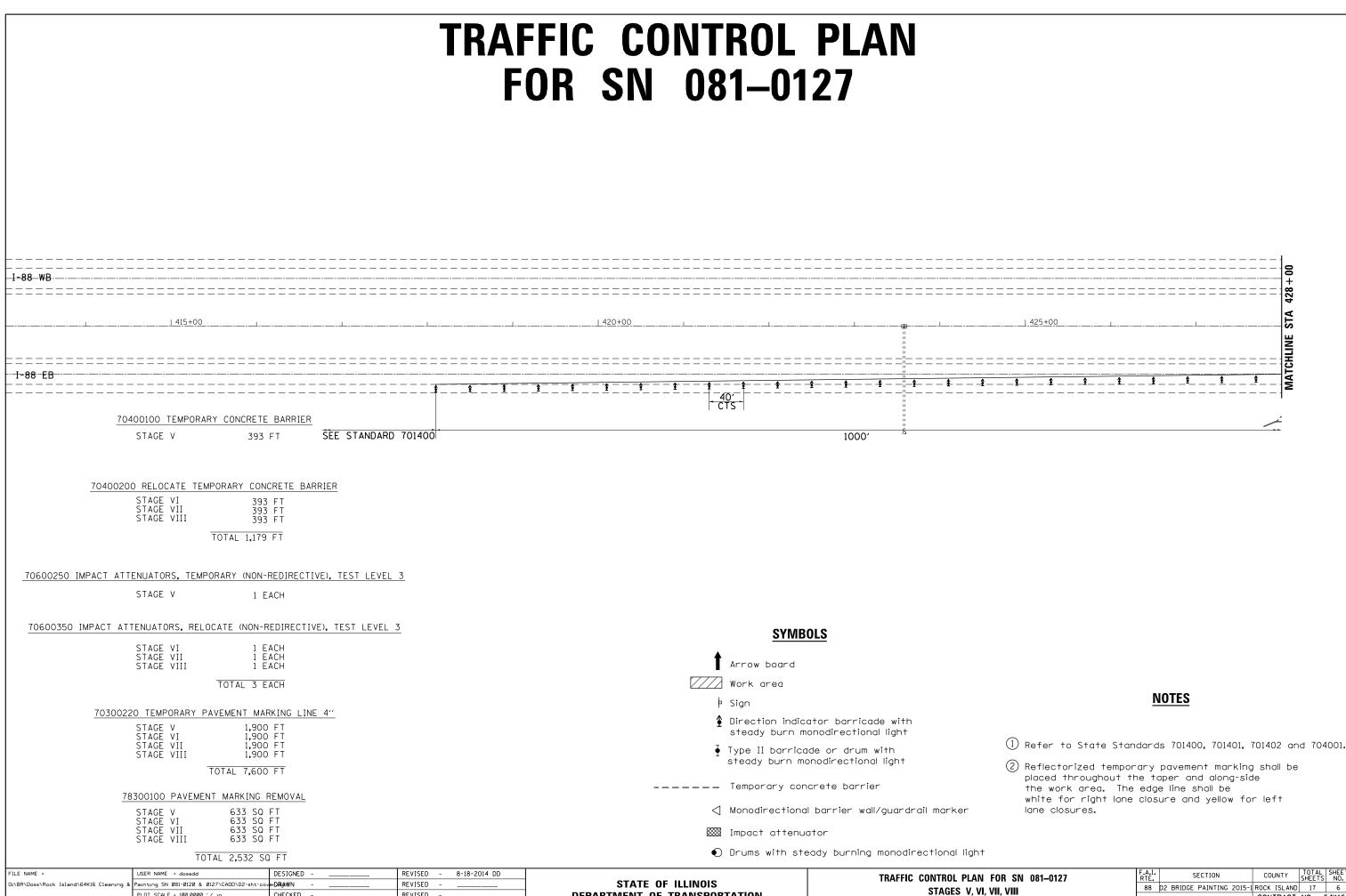
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- (1) Refer to State Standards 701400, 701401, 701402 and 704001.
- placed throughout the taper and along-side white for right lane closure and yellow for left

F.A.I. RTE. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
88	D2 BRIDGE PAINTING 2015-1	ROCK ISLAND	17	4
		CONTRACT	NO. 0	54K16
ILLINOIS FED. AID PROJECT				
	RTE.	RTE. SECTION 88 D2 BRIDGE PAINTING 2015-1	RTE. SECTION COUNTY 88 D2 BRIDGE PAINTING 2015-1 ROCK ISLAND CONTRACT	RTE. SECTION COUNTY SHEETS 88 D2 BRIDGE PAINTING 2015-1 ROCK ISLAND 17 CONTRACT NO.



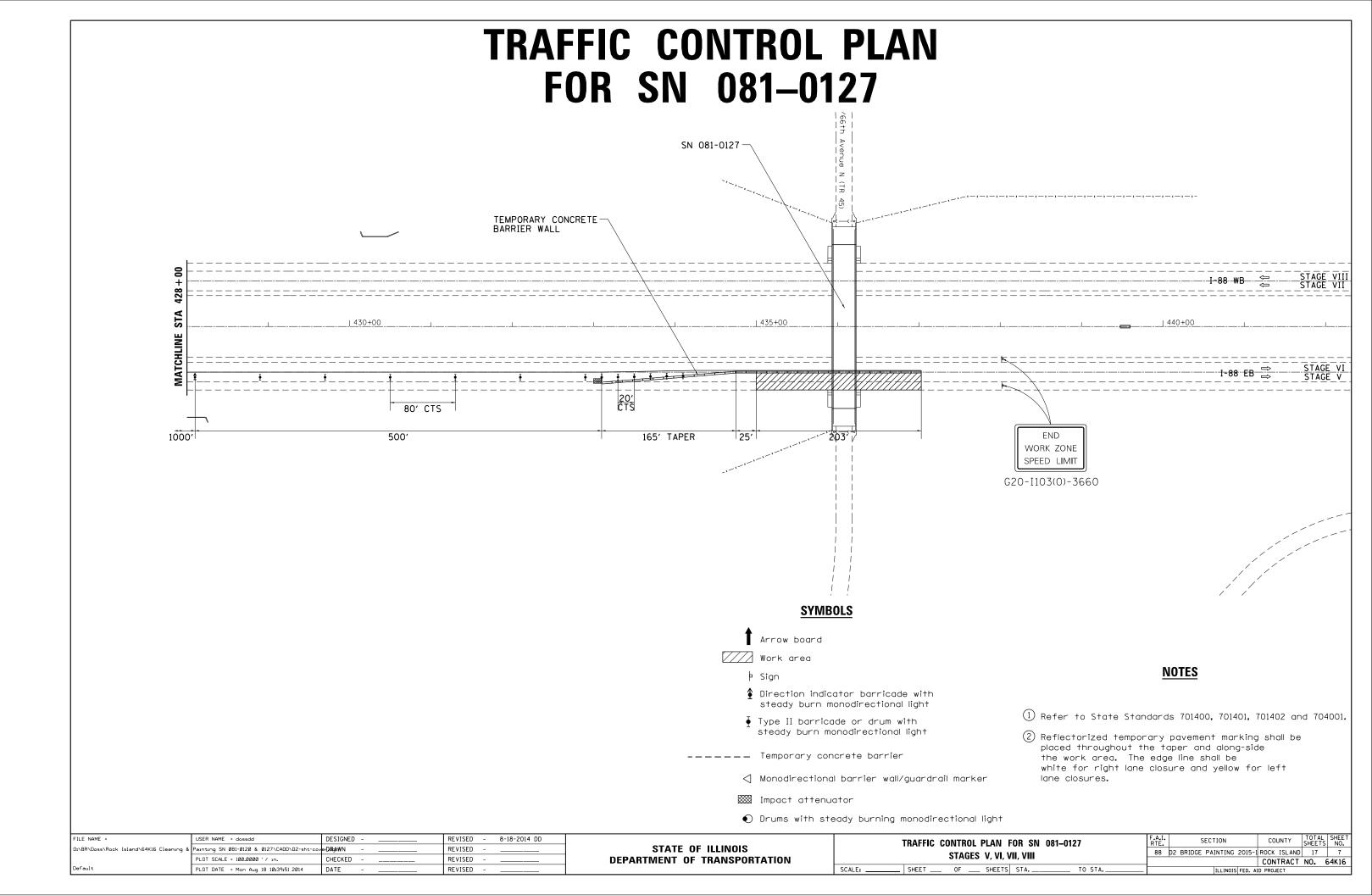
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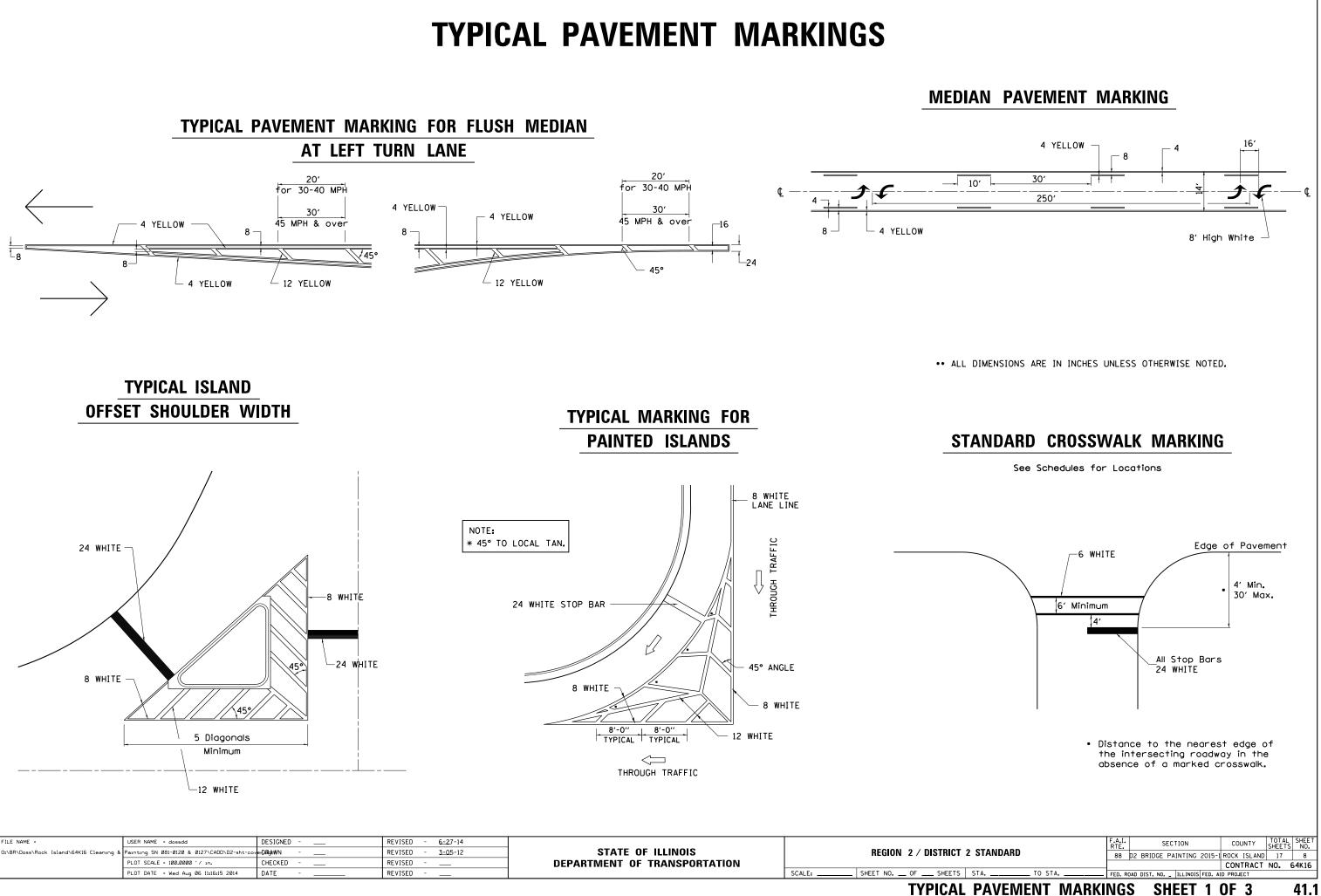


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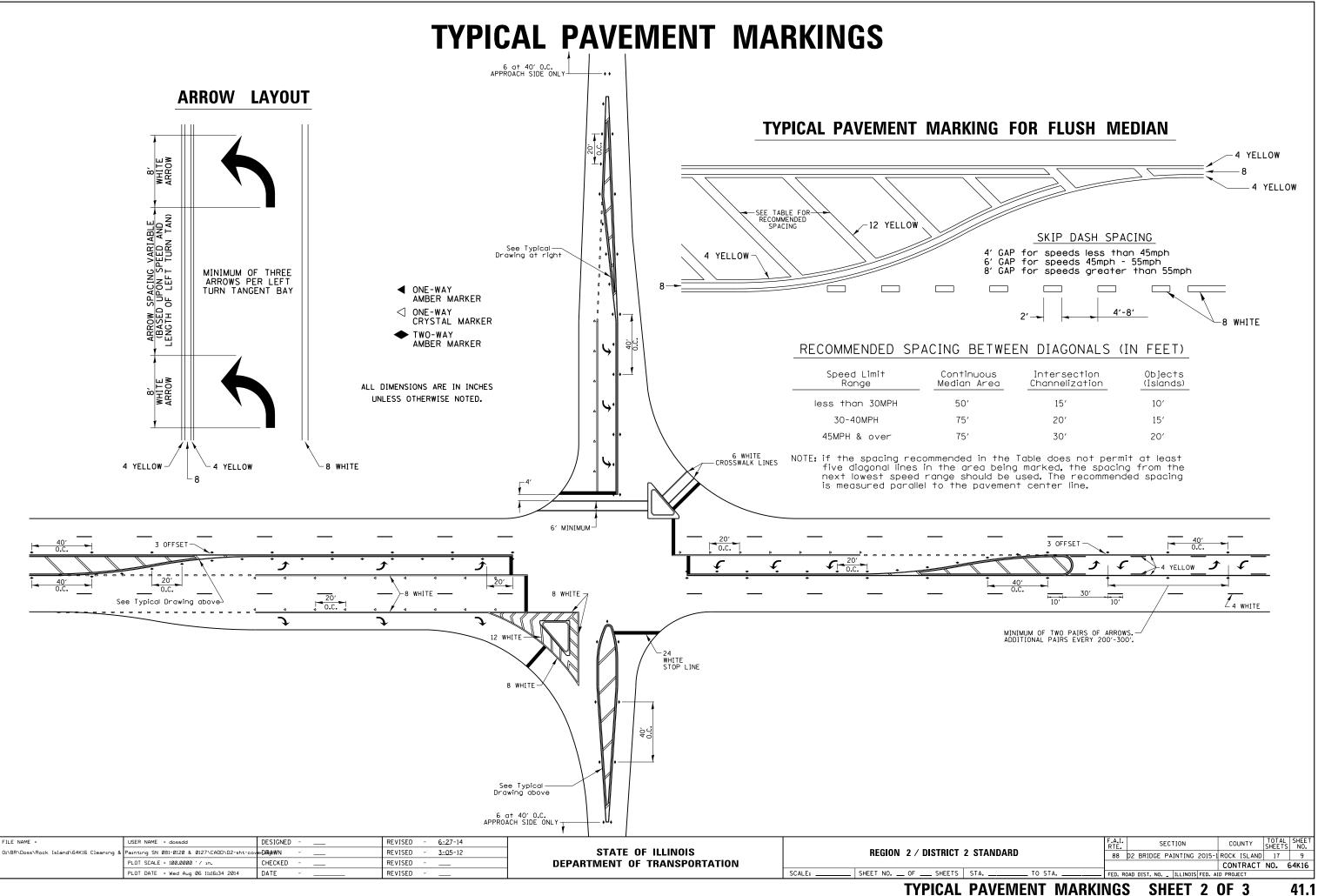
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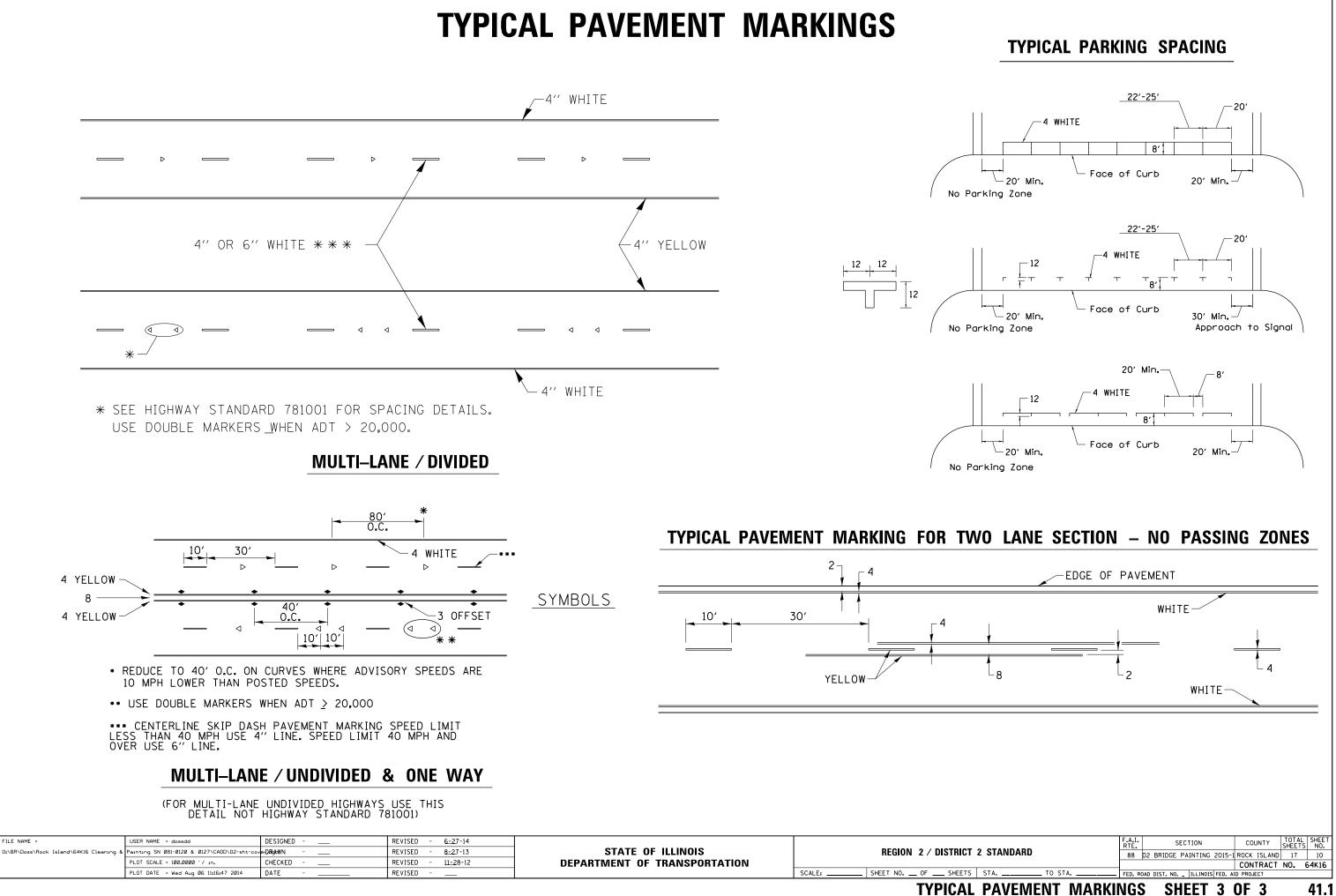
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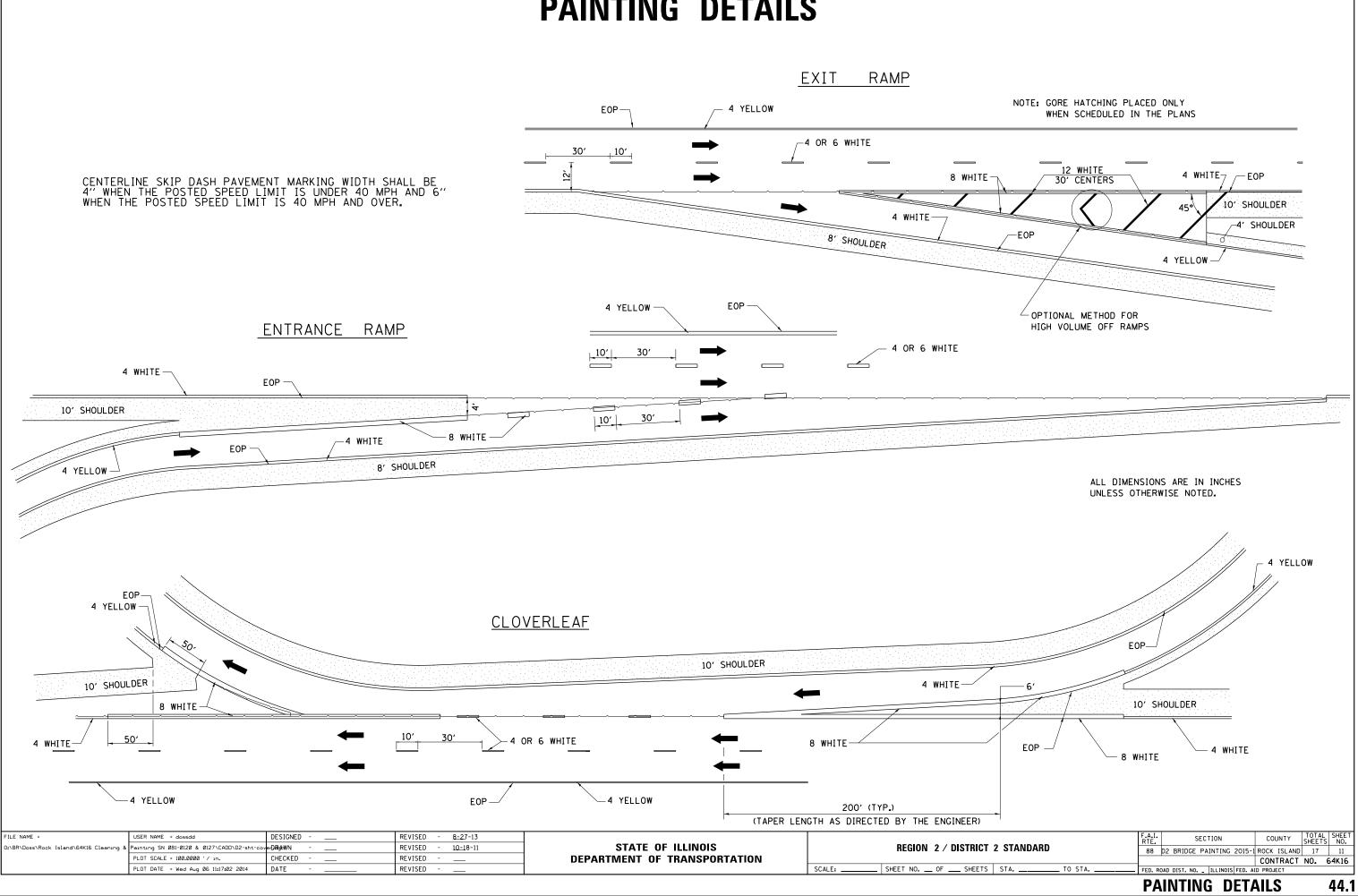


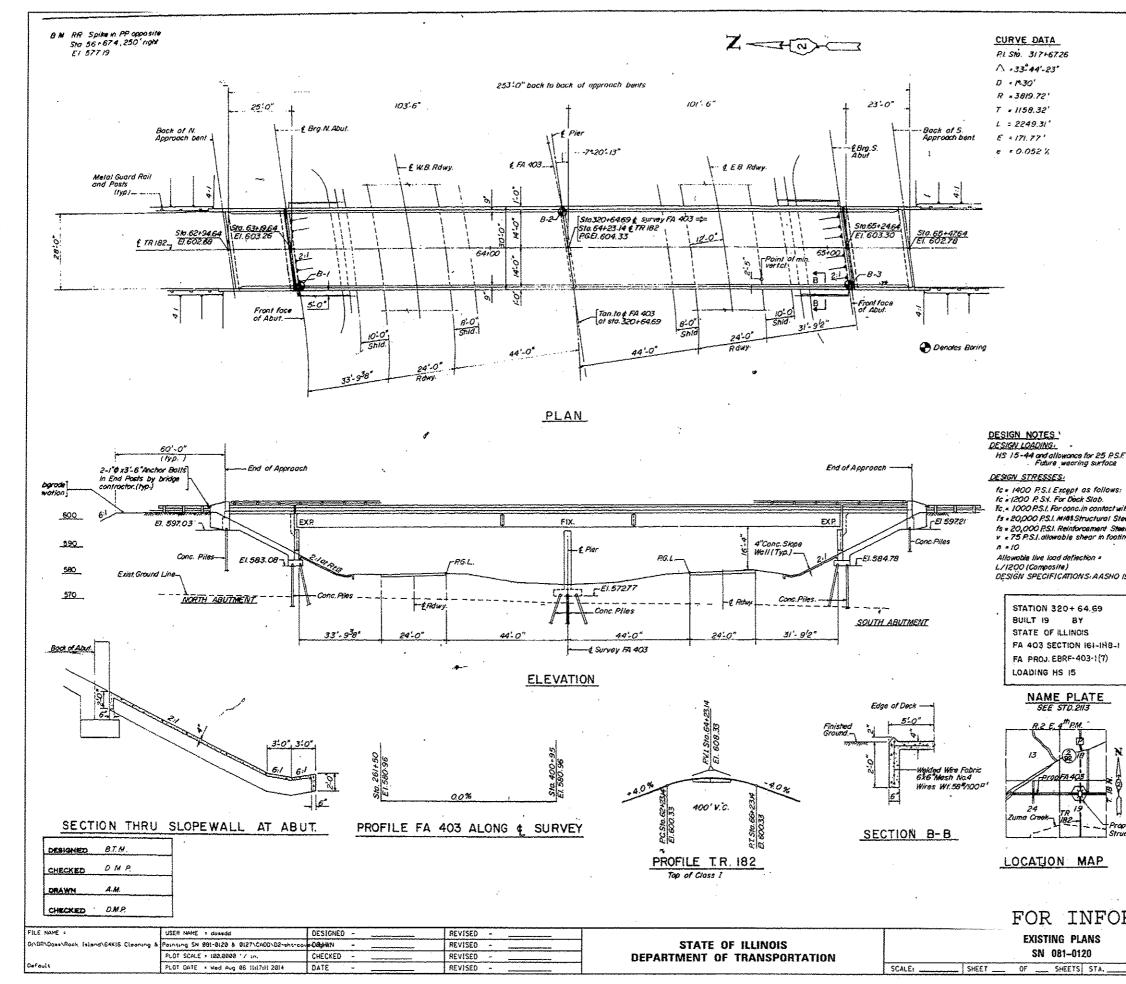
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PAINTING DETAILS





To .. 1000 P.S.I. For conc.in co fs = 20,000 P.S.I. MIASStruc

Allowable live load deflection

STATION 320+ 64.0 STATE OF ILLINOIS FA 403 SECTION IGI FA PROJ. EBRF-403-





	441071-848	******		747525 7445476		SHEET NO.
403	181- -	ROCK (SL	AND	545	230	15 SHEATS
	197. HQ. B		124 7	ha.3867-		

GENERAL NOTES:

All Reinforcement bors shall be topped 24 diameters unless otherwise showa

The main load carrying member components subject to the Supplemental Requirements for Notch Toughness are the flanges, webs, and splice plates of the steel girders or wide flange beams.

The basic lead silica chromate paint system shall be used for shop and field painting of structural steel.

Field welding of construction accessories will not be permitted to the bottom of frange of becaus or girders nor to the top frange for a distance equal to one-fourth the spon length each way from the pler supports. Field welding in other areas will be permitted only when approved by the engineer.

Anchor bolts shall be set before riveting or bolting cross frames over supports

Slope wall shall be reinforced with welded wire fabric 6"x 6" Mesh weighing 58⁴per 100 Sq. Ft.

The emboniment configuration shown shall be the minimum embankment that must be constructed prior to construction of the obutments.

The contractor shall drive three test piles in a permanent location. One each of the north and south abuttments and pier as directed by the engineer before ordering the remainder of the piles.

Concrete piles at abutment & approach bents shall be driven in holes precored through the embonisment in accordance with art. 513.09 (C) of the standard specifications.

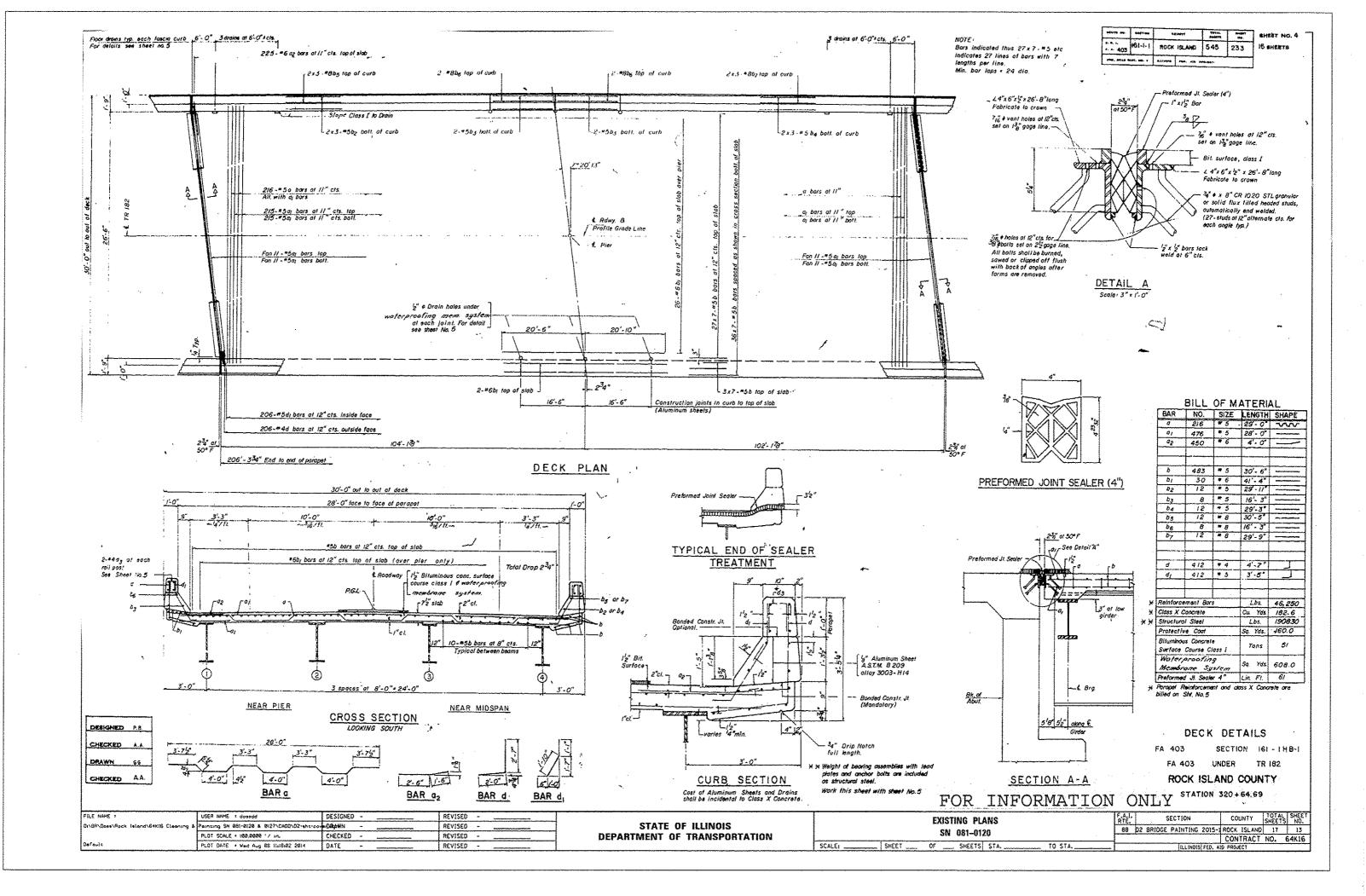
The concrete rail section above the mondatory const. joint at the top of the slab shall be constructed of class X concrete, except the aggregates shall conform to the requirements of handrail concrete.

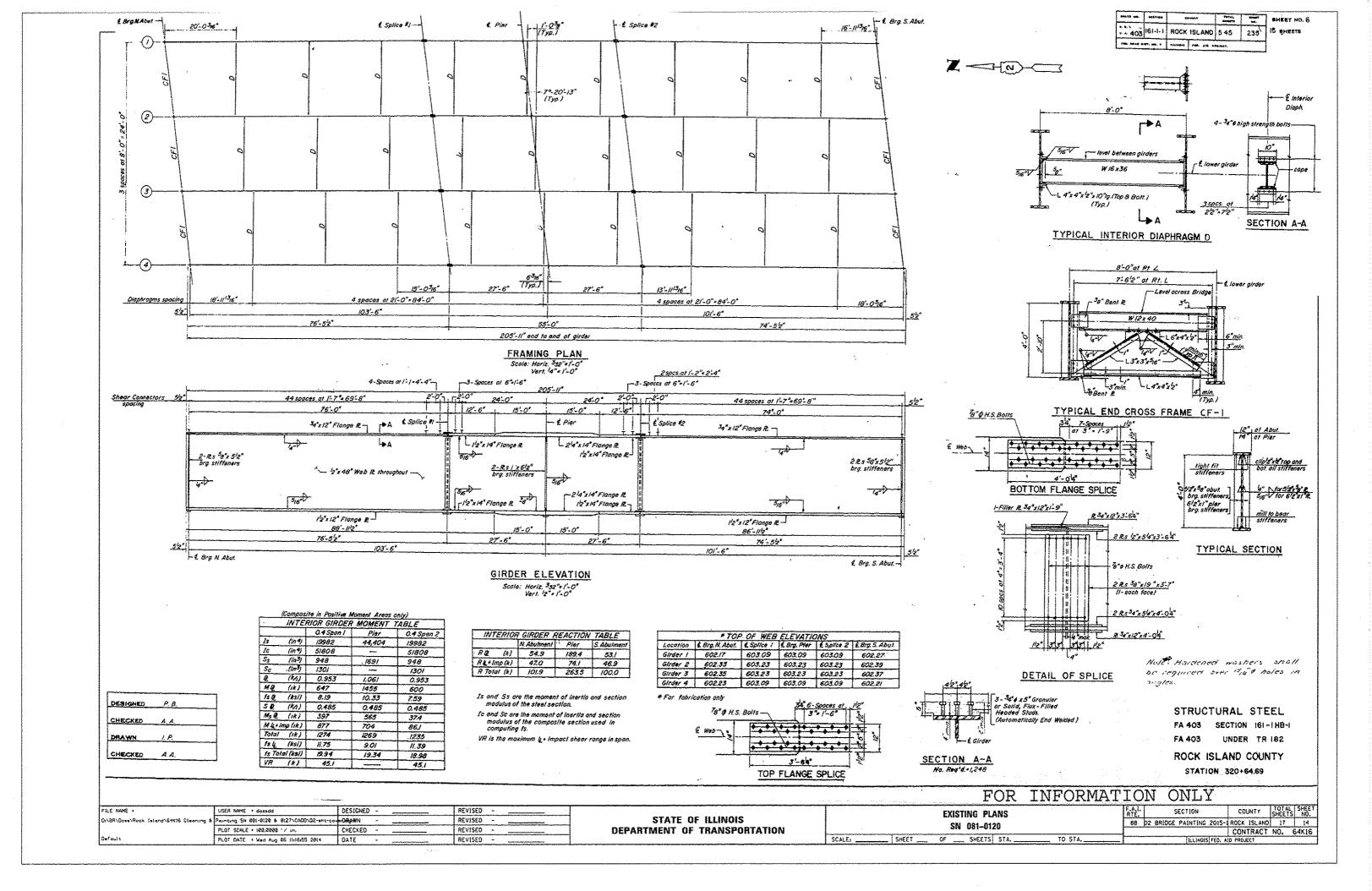
Protective cost shall not be applied to surfaces to which waterproofing membrane syst. is applied.

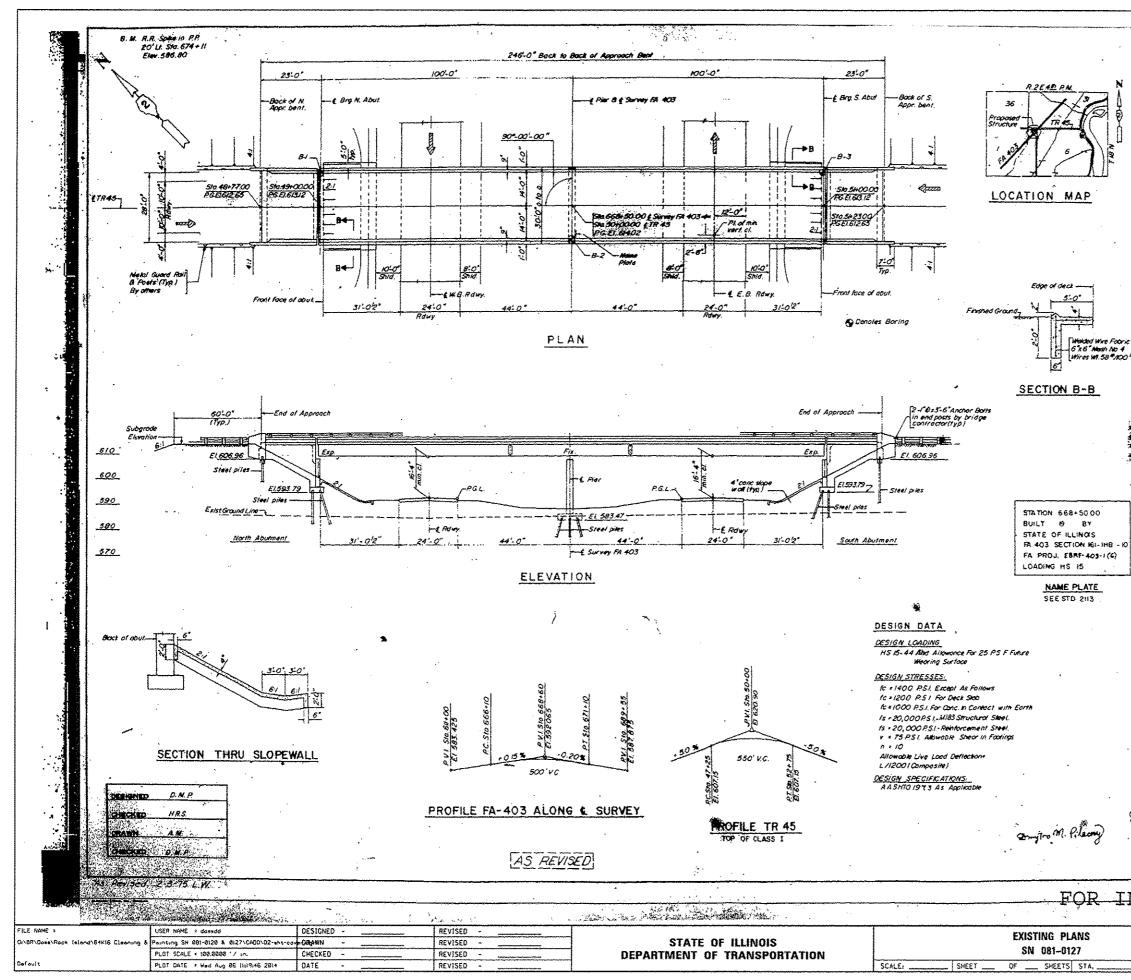
Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of ± 8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 's" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

follows:	TOTAL BIL			AF	
ab. ontact with earth, turol. Steel,	ITEM	UNIT	CHIDCD		TOTAL
ent Steel.	·		ļ	L	•
in footings'	Protective cool		208.0		208.0
	Class X Concrete	Cu. Yds.	263.8	195.7	459.5
<i>.</i>	* Structura Steel	L.Sum.	0,12		0.12
ASHO 1969 as applicabl	Akuminum Railing	Lin.Ft.	496.0		496.0
	Reinforcement bars	Los.	61,920	22,300	84,250
<u> </u>	Stud Shear Connectors	Each	1248		1248
9 .	Concrete Piles	Lin Ft	-	1982	1982
	Test Piles (Concrete)	Each		3	3
	Nome Plates	Eoch		1	. /
148-1	Slope walls (4")	Sq.Yds.		248.0-	2.48.0
	Bit. Conc. Surface Course Class 1	Tons	63.0		63.0
(7)	Woterproofing Mem. System	Sq.Yds.	742.0		742,0
	Sand Backfill	Cu.Yds.		221.0	221.0
J	Preformed JI. Sealer	J.10.Ft.	6.1		<i>61</i>
E	Permonent B.M. Type I	Each	1		/
N N N N N N N N N N N N N N N N N N N	* Calculated Weight of Structural St APPRO	ED	-		
Proposed Structure		all a set	i.		
	GENER	IAL PL	AN &	ELEVA	TION
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			GENERAL PLAN & ELEVATION						
P			FA 403	SECTION IS	I-IHB	-1			
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		-		tyres.		SHICKY NO. 14
	A 403	18t-1-2	ROCK IQLAND	532	190/1	II SPIRITS
ļ		MF1 100. 7		WL.941.		

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GENERAL' NOTES:

All Reinforcement Bors shall be Lapped 24 Diameters Unless Othersige show

The Basic lead Silico Chromole paint system shall be used for shap and field paining of structural steel. Field welding of construction accessories will not be permitted to the Bottom of struge of beams or girders nor to the kap flange for a destance equal to one-fourth the span length each way from the par surgers is field welding in other areas will be permitted only when approved by the engineer.

Anchor Bolts shall be set before bolting cross frames over supports.

Slope wait shall be reinforced with welded wire, tabric 6's 6" mesh weighing 58" per 100 Sg.Fl.

The embankment configuration shown shot be the minimum emb mot must be constructed prior to construction of the obuliments tum embor

The contractor shall drive three steel Test Piles in a permanent Jocation, one each at the north and south abutments and pler as directed by the engineer before ordering the remainder of the piles.

The concrete rail section above the Mondatory const. joint at the top of the stop shall be constructed of the class X concrete, except the againstices shall conform to the requirements of handrail concrete.

Protective cost shot not be opplied to surfaces to which Waterproofing

Membrane System is applied. s enther & beforenze of 1 & inch, Adjustment shall the services an an alsonarity the bearing Test & o

[ITÉM	UNIT	SUPER STRUCT	SUB STRUCT	TOTA
1		ð.			ŀ
	Protective Coot	Sayds.	203		203
[Class 'X' Concrete	Cu Yds.	254.4	190.5	444.5
* [Structurol Steel	L.Sum.	0.05	-	005
1	Aluminum Rolling	Lin Ft.	48/	-	481
ſ	Reinforcement Bors	Los.	60,240	23,150	63, 39
I	Stud Shear Connectors	Each	1416		1416
	Steel Piles (HP 8 x 35)	Lin Ft.	-	1620	1620
	Test Piles (HPB x 36)	Each	-	3	3
-	Nome Plates	Each	7 - ~~ *		·
1	Stope Woll (4")	Sq.Yds.		262	252
	Bit.Conc.Surface Course Ct. 1	Tons	61		6/
ſ	Waterproofing Membrane System	Sq. Yets.	722	-	722
-	Sond Bockfill	Cu tus	-	234	234
1	Preterned Jt, Sector - 22"	Lin.Ft.	60		-50
1	Permonent Berich Montes Type I	Each	111	<u> </u>	7

* Calculated Weight of Structural Steel * 185,970 lbs.

GENERAL PLAN & ELEVATION Carl 1 FA 403 SECTION IGI - IHB-ID UNDER TRAS FA 403 ROCK ISLAND COUNTY STATION 668+50.00 FOR INFORMATION ONLY As a star · . 4 SECTION COUNTY TOTAL SHEE SHEETS NO. RTE. 88 D2 BRIDGE PAINTING 2015-1 ROCK ISLAND 17 15

CONTRACT NO. 64K16

LINDIS FED. AID PROJECT

TO STA.

