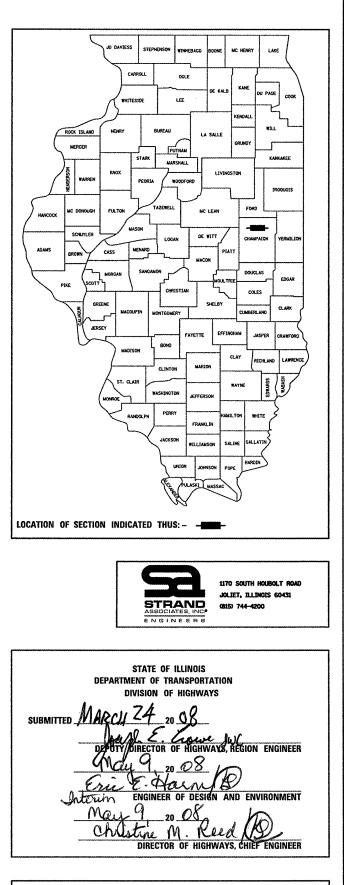


502	(86BR)BR		CHAMPAIGN	30	1
FED. RO	AD DIST. NO.	ILLINOIS	CONTRACT	NO. 7	0426



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

)

INDEX OF SHEETS

,

~

~

HIGHWAY STANDARDS

GENERAL NOTES:

					0.14. 1001
SHEET NO.	TITLE	STANDARD NO.	DESCRIPTION	G.N100 ENGLISH UNITS OF MEASUREMENT SHALL COVERN OVER AND	MIXTURE REQUIREMENTS
1	COVER SHEET	- 000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT.	
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES	001001-01	AREA OF REINFORCEMENT BARS	WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.	THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS
3	SUMMARY OF QUANTITIES	001006	DECIMAL OF AN INCH AND OF A FOOT	G.N105.09A	PROJECT:
4-5	EXISTING AND PROPOSED TYPICAL SECTIONS	280001-04	TEMPORARY EROSION CONTROL SYSTEMS	ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988, (NAVD 88)	LOCATION(S): FAS 520 STA. 70+62.50 TO STA. 72+14.50 MIXTURE USE(S): SURFACE COURSE AND LEVEL BINDER
6	SCHEDULE OF QUANTITIES	515001-02	NAME PLATE FOR BRIDGES	AMERICAN VERTICAL DATUM OF 1300. NAAVD 007	AC/PG: PG 64-22 RAP %: (MAX)•• 15%
7	CONTROL POINT TIE-OFFS	630001-07	STEEL PLATE BEAM GUARDRAIL	G.N107.31	DESIGN AIR VOIDS: 4.0% @ NDESIGN=50
8-9	PLAN AND PROFILE SHEETS	630301-04	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS	UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY	MIXTURE COMPOSITION: (GRADATION MIXTURE) FRICTION AGGREGATE: MIXTURE C
10	GUARDRAIL AND SHOULDER DETAILS	674070 07 ^{""}		LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.	FRICTION AGGREGATE: MIXTORE C
11-18	BRIDGE SHEETS	631032-03	TRAFFIC BARRIER TERMINAL, TYPE 6A		
19-20	DETOUR SIGNING DETAILS	635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT	UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE	
		635011-01	REFLECTOR MARKER AND MOUNTING DETAILS	WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE	
21	TRAFFIC CONTROL AND PROTECTION DEVICES (ROAD AND SIDEROAD/STREET CLOSURES)	701006-02	OFF-RD OPERATIONS, 2L, 2W, 4.5m (15') TO 600 mm (24") FROM PAVEMENT EDGE	BEING PERFORMED. J.U.L.I.E JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123 OR 811.	
22-25	PAVEMENT MARKING AND MARKERS (RURAL AND URBAN APPLICATIONS)	701311-02	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY	G.N406 THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX	
26-30	CROSS SECTIONS	701001		ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS	
		701901	TRAFFIC CONTROL DEVICES	NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX	
		~ 720001	SIGN PANEL MOUNTING DETAILS	ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.	
		780001-01	TYPICAL PAVEMENT MARKINGS	INCLUDED IN THE CONTRACT.	

~

COMMITMENTS

THERE ARE NO COMMITMENTS ON THIS PROJECT.

2
2
8

1170 SOUTH HOUBOLT ROAD	USER NAME = collierbw	DESIGNED -	RRD	REVISED -					
JOLIET, ILLINOIS 60431		DRAWN -	KAS	REVISED -	STATE OF ILLINOIS	INDEX OF	SHEETS, H	IGHWAY STAN	DARD
	PLOT SCALE =	CHECKED -	JAR	REVISED -	DEPARTMENT OF TRANSPORTATION				
RAND (815) 744-4200	PLOT DATE = 3/24/2008	DATE -	3/14/08	REVISED -		SCALE: AS SHOWN	SHEET NO.	OF SHEETS	STA

G.N.-406H

		F.A.S. RTE.		SEC	TION		COUNTY	TOTAL	SHEET NO.
RDS AND C	GENERAL NOTES	502		(868	R)BR		CHAMPAIGN	30	2
						T	CONTRACT	NO. 7	0426
STA.	TO STA.	FED. R	DAD DIST.	NO.	ILLINOIS FEE	D. AID	PROJECT		

SUMMARY OF QUANTITIES

LOCATION OF WORK: FAS 502 (LEVERETT ROAD) STA. 70+91.83 TO STA. 71+85.17 CHANDRAICH COUNTY

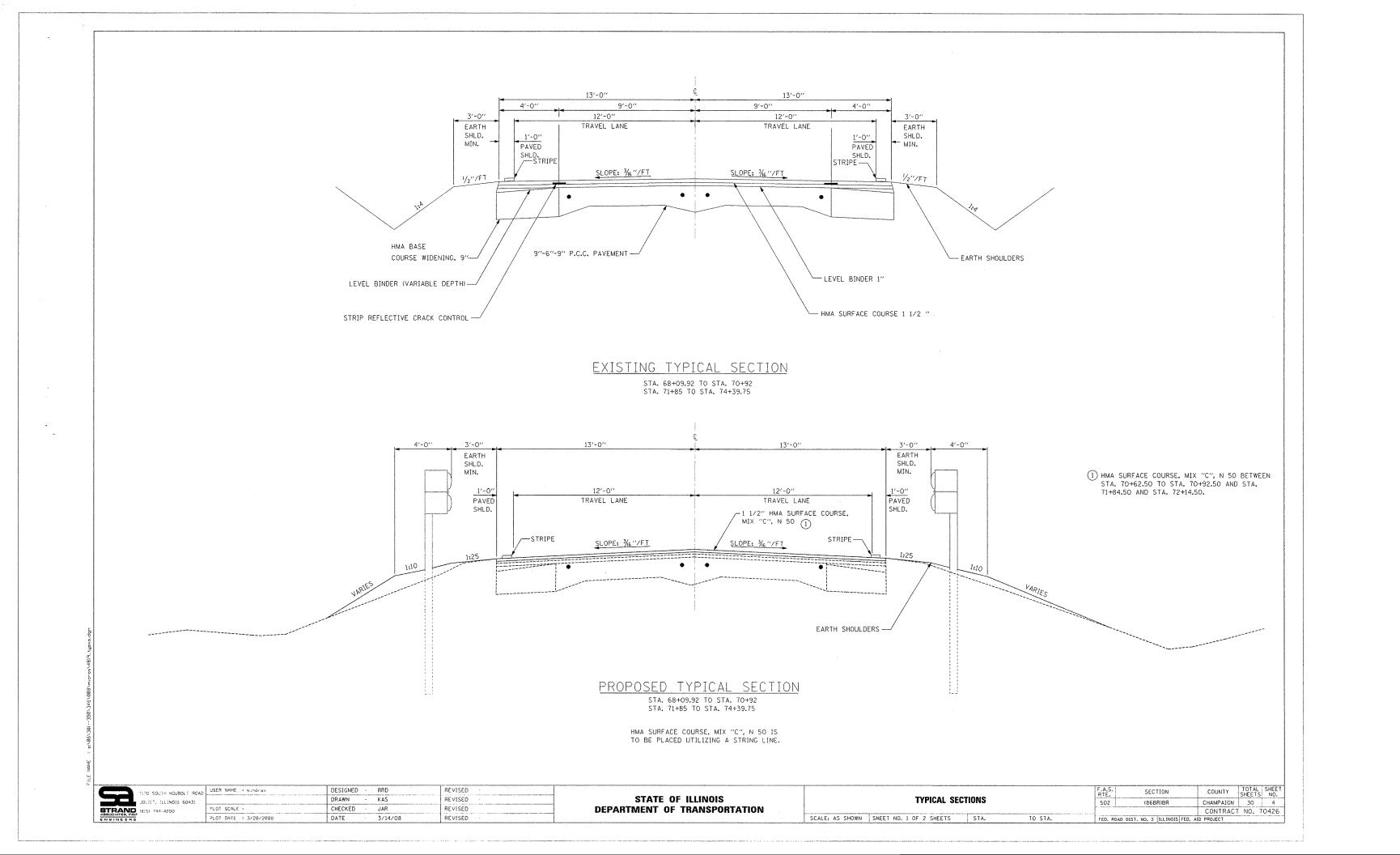
	STA. 71+85.17 CHAMPAIGN COUNTY				TOTAL
PAY CODE NUMBER	ITEM DESCRIPTION	UNIT	SUPERSTRUCTURE REPLACEMENT	SUBSTRUCTURE REPAIR	80% FEDERA 20%STATE X081-2A
20200100	EARTH EXCAVATION	CU YD	35		35
20400800	FURNISHED EXCAVATION	CU YD	107	/	107
25000210	SEEDING, CLASS 2A	ACRE	0.5	/	0.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50	/	50
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	/	45
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	/	45
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	/	45
25100630	EROSION CONTROL BLANKET	SQ YD	1646		1646
28000310	AGGREGATE DITCH CHECKS	EACH	6		6
28000400	PERIMETER EROSION BARRIER	FOOT	976		976
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	38		38
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	8		8
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	54	_/	54
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	174		174
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1
50102400	CONCRETE REMOVAL	CU YD		3.6	36
50105220	PIPE CULVERT REMOVAL	FOOT	115	/	115
50300225	CONCRETE STRUCTURES	CU YD		36	36
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	2875		2875
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND		3710	3710
50901050	STEEL RAILING, TYPE SM	FOOT	180		180
51500100	NAME PLATES	EACH			1
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	693		693
59000200	EPOXY CRACK INJECTION	FOOT	635	36	36
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	375		375
63100087	TRAFFIC BARRIER TERMINAL. TYPE 6A	EACH			
			4		4
63200310	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1		4
	GUARDRAIL REMOVAL	FOOT	390		390
67100100	MOBILIZATION	LSUM			1
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM			1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	16		16
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	6		6
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	344		344
78200410	GUARDRAIL MARKERS, TYPE A	EACH	12		12
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4
X0322121	SHEET WATERPROOFING MEMBRANE SYSTEM	SQ YD	328		328
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	/	427	427

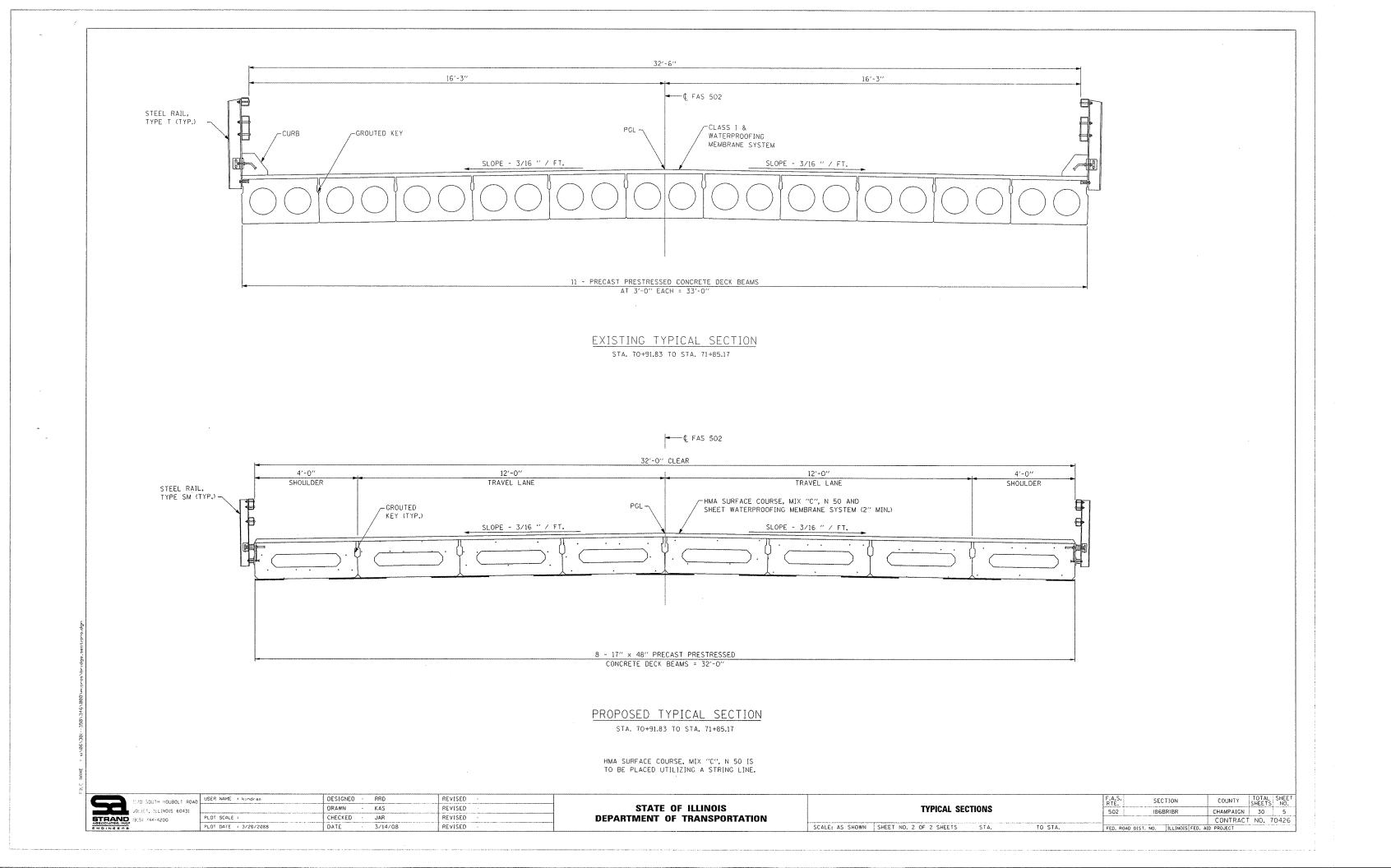
USER NAME

-

ITO SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 ABBOCIATER, INA.	USER NAME = collierbw PLOT SCALE =	DESIGNED DRAWN CHECKED	- RRD - KAS - JAR	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUN	imary of	: QUAN
ASSOCIATES, INC. ENGINEERS	PLOT DATE = 3/24/2008	DATE	- 3/14/08	REVISED -		SCALE: AS SHOWN	SHEET NO. OF	SHEET	S S

ANTITIES	ANTITIES <u>1445 SECTION COUNTY 1446 SHET</u>	ANTITIES <u>1745 SECTION COUNTY 2014 500</u>	ANTITIES <u>145 SECTION COMPY 2004 PART</u>	ANTITIES 102-10-10-10-10-10-10-10-10-10-10-10-10-10-	ANTITIES <u>Section County 10215</u> Sector	ANTILES <u>PAGE SECTION</u> COUNTY <u>SECTO</u> 3 3
				<u>145.</u> SECTION COUNTY JULIES NEW.		<u>Γήδ.</u> <u>560100</u> <u>COURTY</u> <u>10110</u> <u>5940</u>
					· · · · · · · · · · · · · · · · · · ·	
					· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
					· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·					
			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		
		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·		
· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
				· · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·						





HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"

STATION	TO STATION	SQ YD
70+62.50	70+92.50	87
71+84.50	72+14.50	87
	TOTAL	174

НОТ-МІХ А	SPHALT SURFA	ACE COURSE,	MIX "C", N5
STATION	TO STATION	TONS	
70+62.50	72+14.50	54	
	TOTAL	- 54	

PIPE CULVERT REMOVAL

STATION	TO STATION	OFFSET
72+68.15	73+26.29	LT 11.81
72+33.23	72+88.96	RT 15.63

SHORT-TER	M PAVEMENT	MARKING			
STATION	TO STATION		CENTER (YELLOW)	LEFT (WHITE)	TOTAL
70+62.50	72+14.50	0	16	0	16

WORK	ZONE	PAVEMENT	MAR	KING	REMOV
STA	TION	TO STATIO	IN S	Q FT	
70+6	52.50	72+14.50		6	
		TOT	ſAL.	6	

PAINT PAV	EMENT MARKIN	NG - LINE	4"
STATION	TO STATION	RIGHT (WHITE)	CENT
70+62.50	72+14.50	152	40

EART	HWORK
------	-------

		EARTH EXCAVATION (CUT)	EARTH EXCAVATION (SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)
STATION	TO STATION	CU YD	CU YD	CU YD	CU YD
68+08.21	74+00.00	35	26	133	-107
	TOTAL	35	26	133	-107
EARTH	EXCAVATION:	35 CY			
FURNISHED	EXCAVATION:	107 CY			

STATION	TO STATION	SEEDING, CLASS 2A (ACRE)	NITROGEN (POUND)	PHOSPHOROUS (POUND)	POTASSIUM (POUND)	TEMPORARY EROSION CONTROL SEEDING (POUND)
68+08.21 71+85.17	70+91.83 74+00.00	0.25 0.25	22.5 22.5	22.5 22.5	22.5 22.5	25 25
	TOTAL	0.5	45	45	45	50

EROSION CONTROL BLAN	KFT

STATION	TO STATION	SQ YD
68+08.21 71+85.17	70+91.83 74+00.00	859 787
	TO	TAL 1,646

AGGREGATE DITCH CHECK

~ .

.

STATION	OFFSET	EACH
69+78.71	LT 28.06	1
70+76.65	LT 26.56	1
72+00.22	LT 25.95	1
69+42.96	RT 32.84	1
70+64.80	RT 28.54	1
72+11.08	RT 29.38	1
	TOTAL	. 6

PERIMETER EROSION BARRIER

STATION	TO STATION	OFFSET	FOOT
69+00.00	70+92.50	LT	193
68+05.00	70+92.50	RT	288
71+84.50	74+62.73	LT	279
71+84.50	74+00.00	RT	216
		TOTAL	976

BITUMINOUS MATERIALS (PRIME COAT)

STATION	TO STATION	GALLONS
70+62.50	72+14.50	38

TOTAL 38

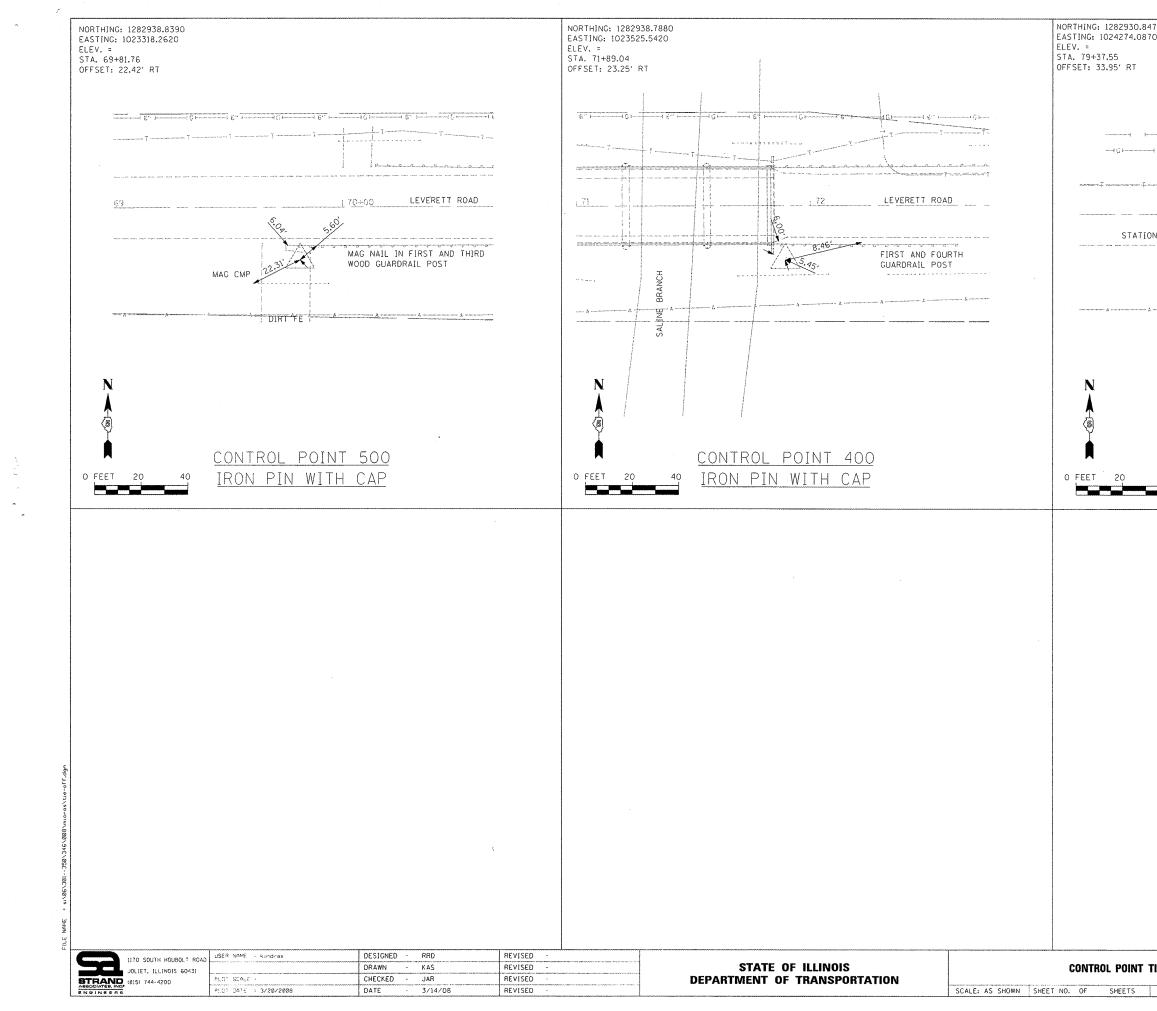
1170 SOUTH HOUBOLT ROAD	USER NAME = collierbw	DESIGNED - RRD	REVISED -			F.A.S. SECTION	COUNTY TOTAL SHEET
JOLIET, ILLINOIS 60431		DRAWN - KAS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION s	SCHEDULE OF QUANTITIES	502 (86BR)BR	CHAMPAIGN 30 6
STRAND (815) 744-4200	PLOT SCALE =	CHECKED - JAR	REVISED -				CONTRACT NO. 70426
ATES. INC. NEERS	PLOT DATE = 3/24/2008	DATE - 3/14/08	REVISED -		SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA.	FED, ROAD DIST. NO. ILLINOIS FED. A	AID PROJECT
	1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	1170 SOUTH HOUBOLT ROAD USER NAME = collierbw JOLIET, ILLINOIS 60431 PLOT SCALE = VERNO (815) 744-4200 VERNO PLOT DATE = 3/24/2008	JULIET, ILLINOIS 60431	JOLIET, ILLINOIS 60431 DRAWN - KAS REVISED -	JOLIET, ILLINOIS 60431 DRAWN - KAS REVISED - STATE OF ILLINOIS	JOLIET, ILLINOIS 60431 DRAWN - KAS REVISED - STATE OF ILLINOIS SCHEDULE OF QUANTITIES	ITO SOUTH HOUBOLT ROAD DRAWN KAS REVISED STATE OF ILLINOIS JOLIET, ILLINOIS 60431 DRAWN KAS REVISED STATE OF ILLINOIS



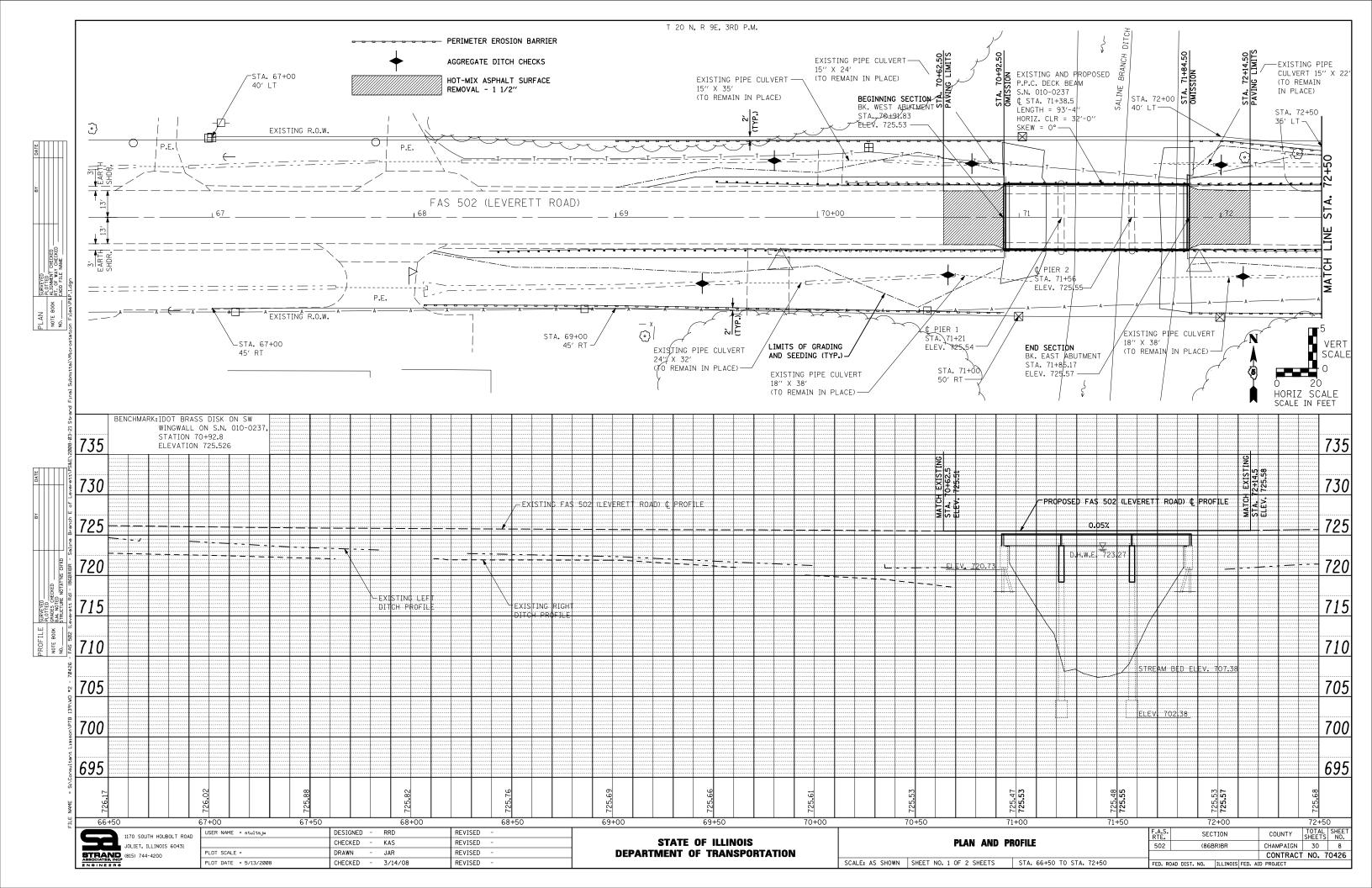
ET I	FEET
.81	59
5.63	56
TOTAL	115

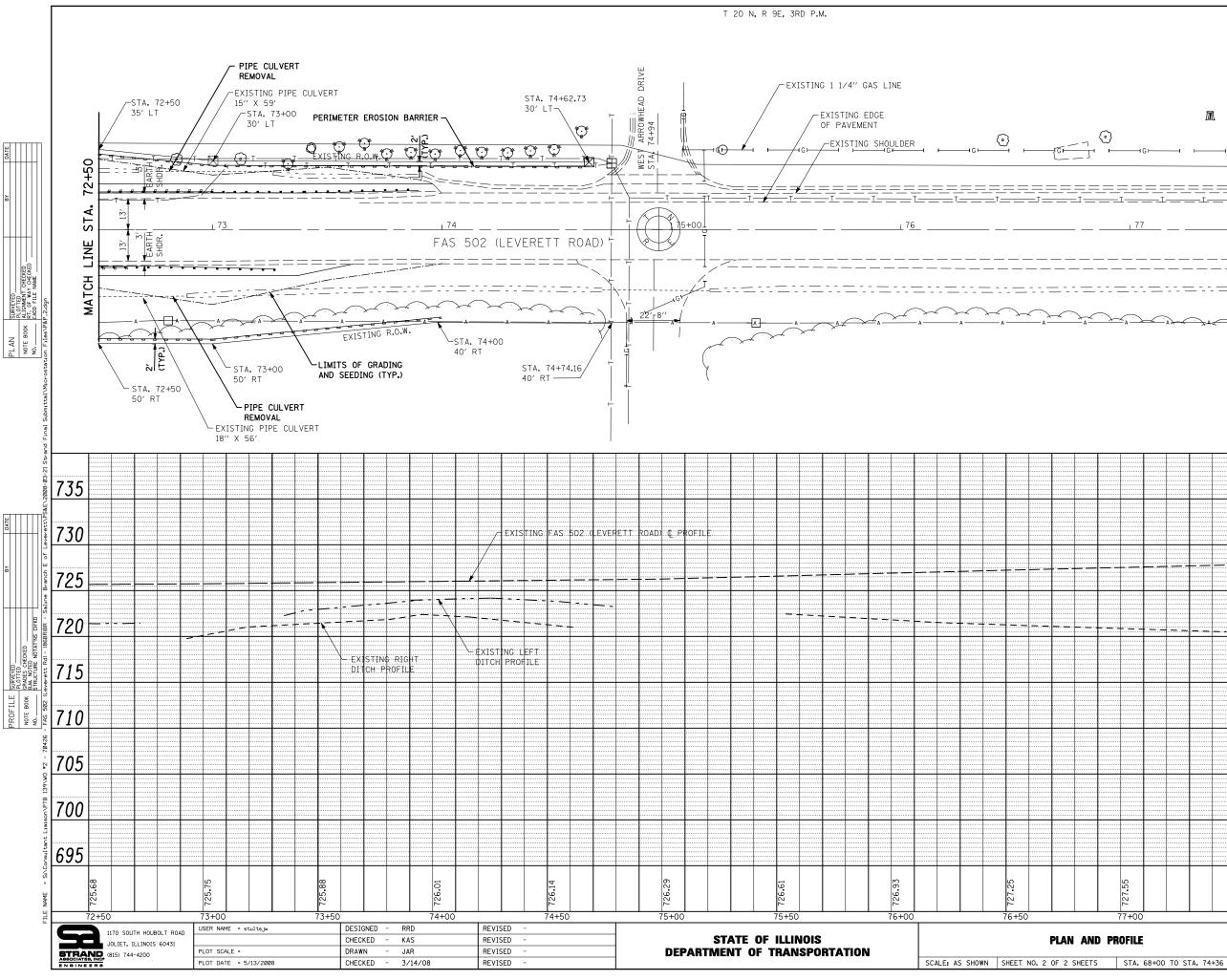
DVAL

ITER	LEFT	
LOW)	(WHITE)	TOTAL
0	152	344

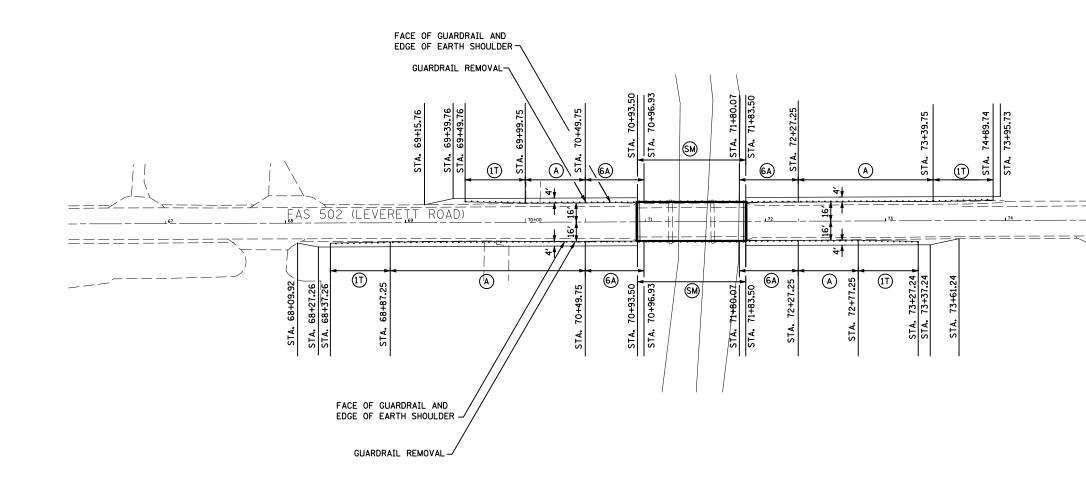


	<u></u>						i de texter	<u>i a</u> stit	nggalan Ì
			I						
		* 1844) . 11.11							
		Ì	\ \ \						
~ p	در بین در بین در بین		······································		······				
		ARROWHE	EAD DRIVE	Aug 0					
					100 MR 400 100 100		n.		
	. 7 <u>5</u>	LEVERETT	ROAD			80+00			
MARKER		·							
`	40.30.		MAG IN	СМР					,
			X	<.,		20			
	DIRT		46.86	5'	MAG IN I	- F.			
	Ň	7							
								,	
	0.011	DO		~					
40			POINT						
	IRON	PIN	WITH						
			F.A.S.	SECTI		COUNTY	TOTAL	SHEET	
-OFFS			F.A.S. RTE. 502	SECTIO (86BR)		COUNTY CHAMPAIG CONTRA	v 30	SHEET NO. 7 70426	





寙 €GG⊦ ⊣ ⊢⊖⊣₀⊢ - · ⓒ THEFT _____ — T — ARTH HDR. m) ţШ. T VERT SCALE 20 HORIZ SCALE SCALE IN FEET 735 730 725 720 715 710 705 700 695 7.55 27.84 728.14 77+50 77+00 78+00 78+50 COUNTY TOTAL SHEET SHEETS NO. CHAMPAIGN 30 9 F.A.S. RTE. SECTION 502 (86BR)BR CONTRACT NO. 70426 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



	FEET
LT STA. 69+99.75 TO STA. 70+49.75	50
LT STA. 72+27.25 TO STA. 73+39.75	112.5
RT STA. 68+87.25 TO STA. 70+49.75	162.5
RT STA. 72+27.25 TO STA. 72+77.25	50

LOCATION	FEET
LT STA. 70+14.06 TO STA. 70+92.17	79
LT STA. 71+84.51 TO STA. 73+00.27	116
RT STA. 69+76.46 TO STA. 70+91.68	116
RT STA. 71+84.38 TO STA. 72+62.78	79

LOCATION	FEET
LT STA, 70+93.50 TO STA, 71+83.50	90
RT STA. 70+93.50 TO STA. 71+83.50	90

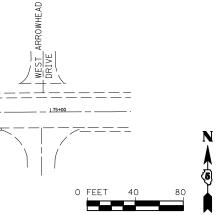
TRAFFIC	BARRIER	TERMINA	_, TYPE 6A	
LOCATIO	N			EACH
LT STA.	70+49.75	TO STA.	70+96.93	1
LT STA.	71+80.07	TO STA.	72+27.25	1
RT STA.	70+49.75	TO STA.	70+96.93	1
RT STA.	71+80.07	TO STA.	72+27.25	1
TOTAL				4

GUARDRAIL MARKERS, TYPE A					
LOCATION	EACH				
LT STA. 69+99.75 TO STA. 73+89.75	6				
RT STA. 68+87.25 TO STA. 72+77.25	6				
TOTAL	12				

TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL	(TANGENT)
LOCATION	EACH
LT STA. 69+49.76 TO STA. 69+99.75	1
LT STA. 73+39.75 TO STA. 74+89.74	1
RT STA. 68+37.26 TO STA. 68+87.25	1
RT STA. 72+77.25 TO STA. 73+27.24	1
ΤΟΤΑΙ	4

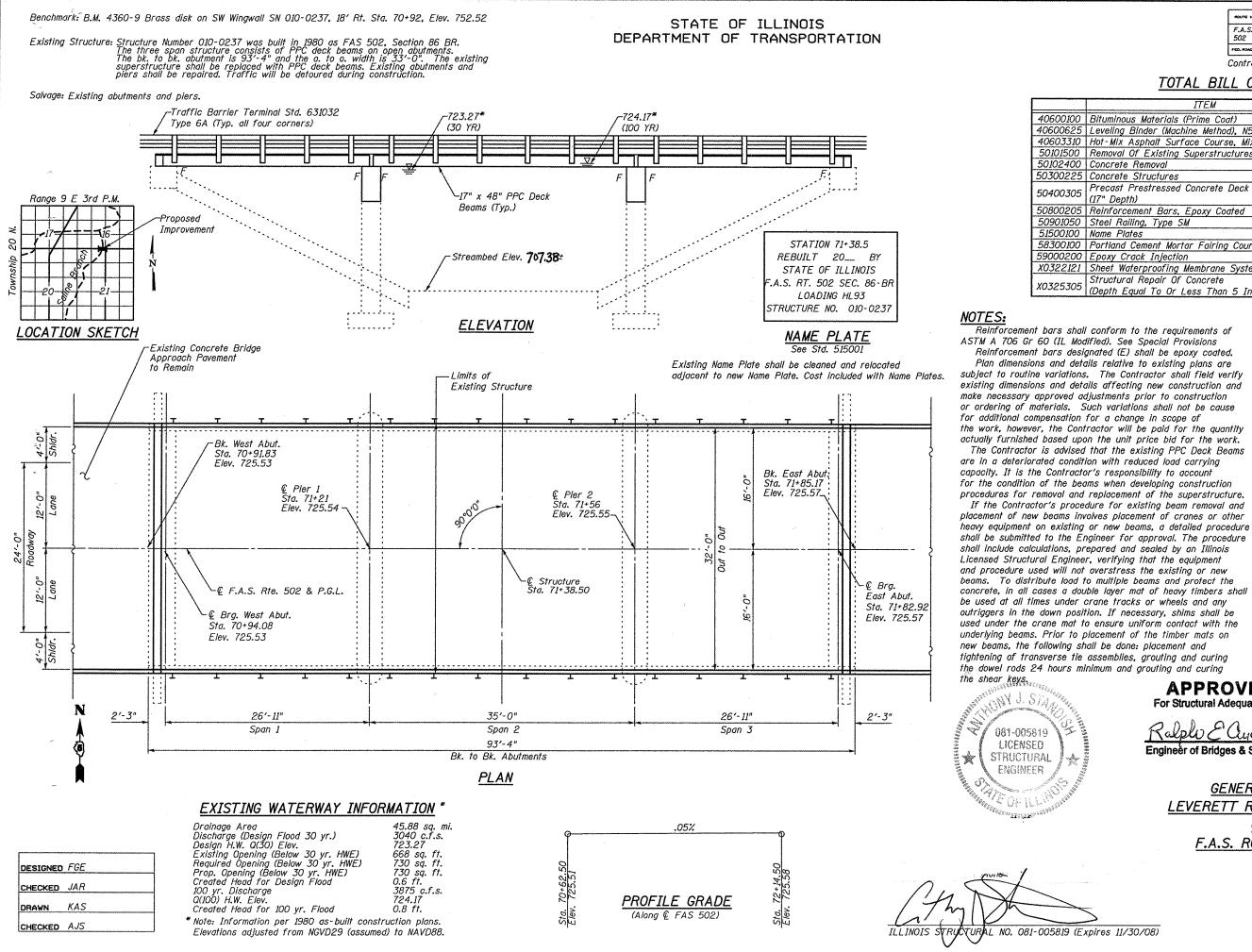
TERMINAL MARKERS - DIRECT APPLIED	
LOCATION	EACH
LT STA. 69+39.76	1
LT STA. 74+39.75	1
RT STA. 68+37.26	1
RT STA. 73+27.24	1
TOTAL	4

E											
	1170 SOUTH HOUBOLT ROAD	USER NAME = stultsjw	DESIGNED - RRD	REVISED -		GUARDRAIL AND SHOULDER DETAILS		F.A.S. RTF.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	JOLIET, ILLINOIS 60431		DRAWN - KAS	REVISED -	STATE OF ILLINOIS			502	(86BR)BR	CHAMPAIGN	30 10
STF	AND (815) 744-4200	PLOT SCALE =	CHECKED - JAR	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT	T NO. 70426
ENGI	(815) 744-4200	PLOT DATE = 5/13/2008	DATE - 3/14/08	REVISED -		SCALE: AS SHOWN SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD D	DIST. NO. 3 ILLINOIS FED.	AID PROJECT	



LEGEND:

(A)	STEEL PLATE BEAM GUARDRAIL, TYPE A
6A)	TRAFFIC BARRIER TERMINAL, TYPE 6A
11	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)
SM	STEEL BRIDGE RAIL, TYPE SM



ROUTE NO.	BEGTION	co	UNTY	TOTAL SHEETS	SHREET NO.	зн	EET	NO.	1
F.A.S. 502	(86BR)BR	CHAMPAIGN		30	11	8	SH	EETS	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-						

Contract # 70426

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
ninous Materials (Prime Coat)	Gal	25	0	25
ling Binder (Machine Method), N50	Ton	8	0	8
Mix Asphalt Surface Course, Mix "C", N50	Ton	39	0	39
oval Of Existing Superstructures	Each	1	0	1
rete Removal	Cu Yd	0	36	36
rete Structures	Cu Yd	0	36	36
ast Prestressed Concrete Deck Beams Depth)	Sq Ft	2875	0	2875
forcement Bars, Epoxy Coated	Pound	0	3710	3710
l Railing, Type SM	Foot	180	0	180
e Plates	Each	1	0	1
land Cement Mortar Fairing Course	Foot	693	0	693
ky Crack Injection	Foot	0	36	36
t Waterproofing Membrane System	Sq Yd	328	0	328
ctural Repair Of Concrete th Equal To Or Less Than 5 Inches)	Sq Ft	0	427	427 .

LOADING HL-93 (New Construction)

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2007 AASHTO LRFD Bridge Design Specifications

DESIGN STRESSES

FIELD UNITS f'c = 3,500 psi

fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi f'ci = 5,000 psi fpu = 270,000 psi (1/2") fpbt = 201,960 psi (1/2")

EXISTING SUBSTRUCTURE FIELD UNITS

f'c = 3,500 psi fy = 60,000 psi

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1 Bedrock Acceleration Coefficient (A) = 4.6% Site Coefficient (S) = 1.0

INDEX OF SHEETS

- General Plan
- Superstructure
- Superstructure Details 3-4
- Railing Details -5
- Abutment Repair Details 6
- 7-8 Pier Repair Details

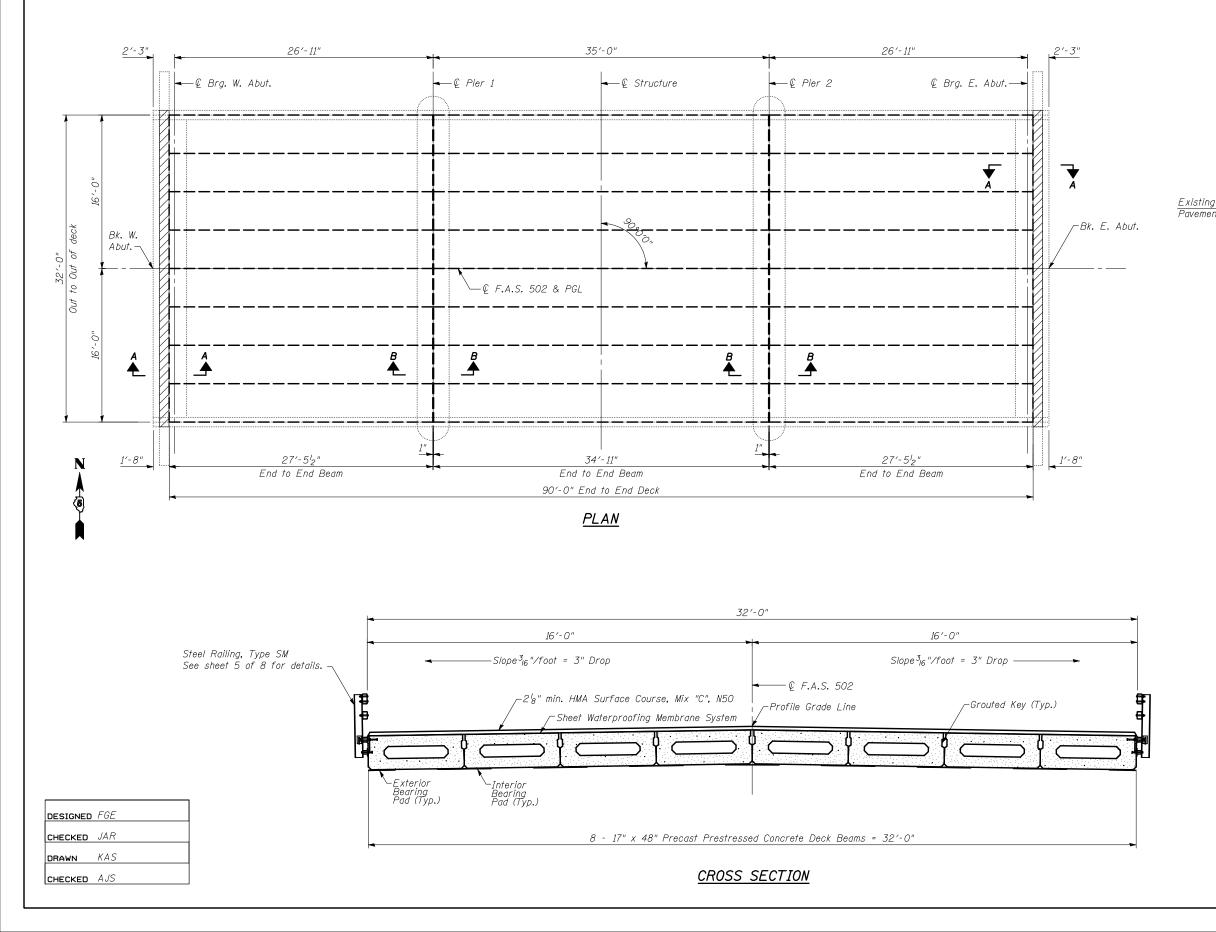
Ralph & andersu Engineer of Bridges & Structures

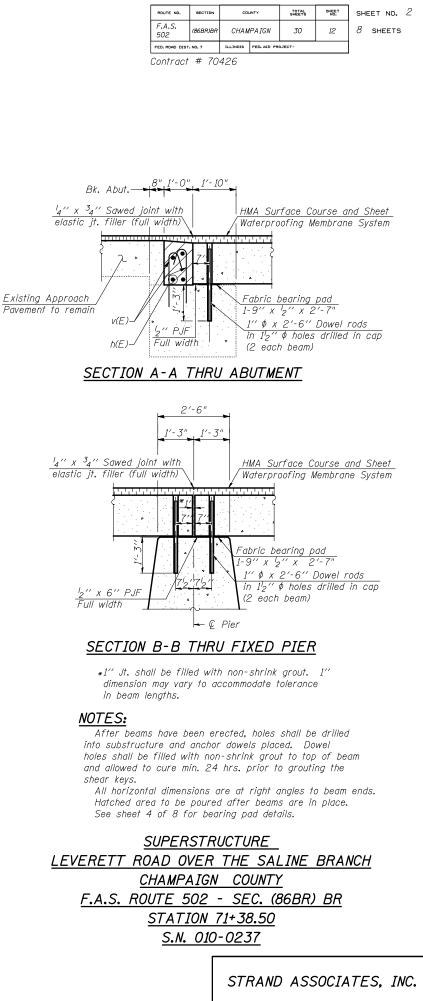
APPROVED

For Structural Adequacy Only

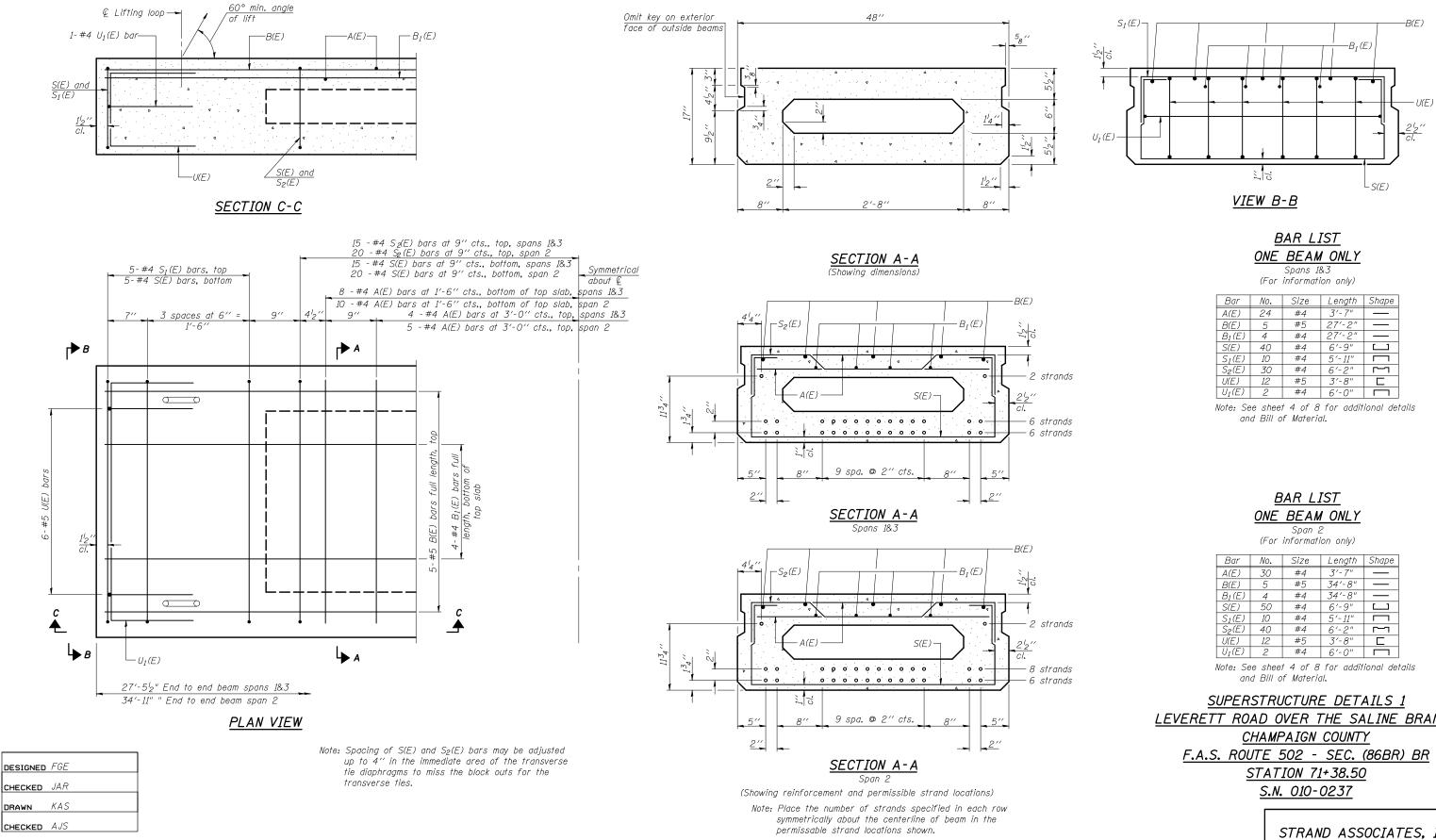
GENERAL PLAN AND ELEVATION LEVERETT ROAD OVER THE SALINE BRANCH CHAMPAIGN COUNTY F.A.S. ROUTE 502 - SEC. (86BR) BR STATION 71+38.50 S.N. 010-0237

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION





STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

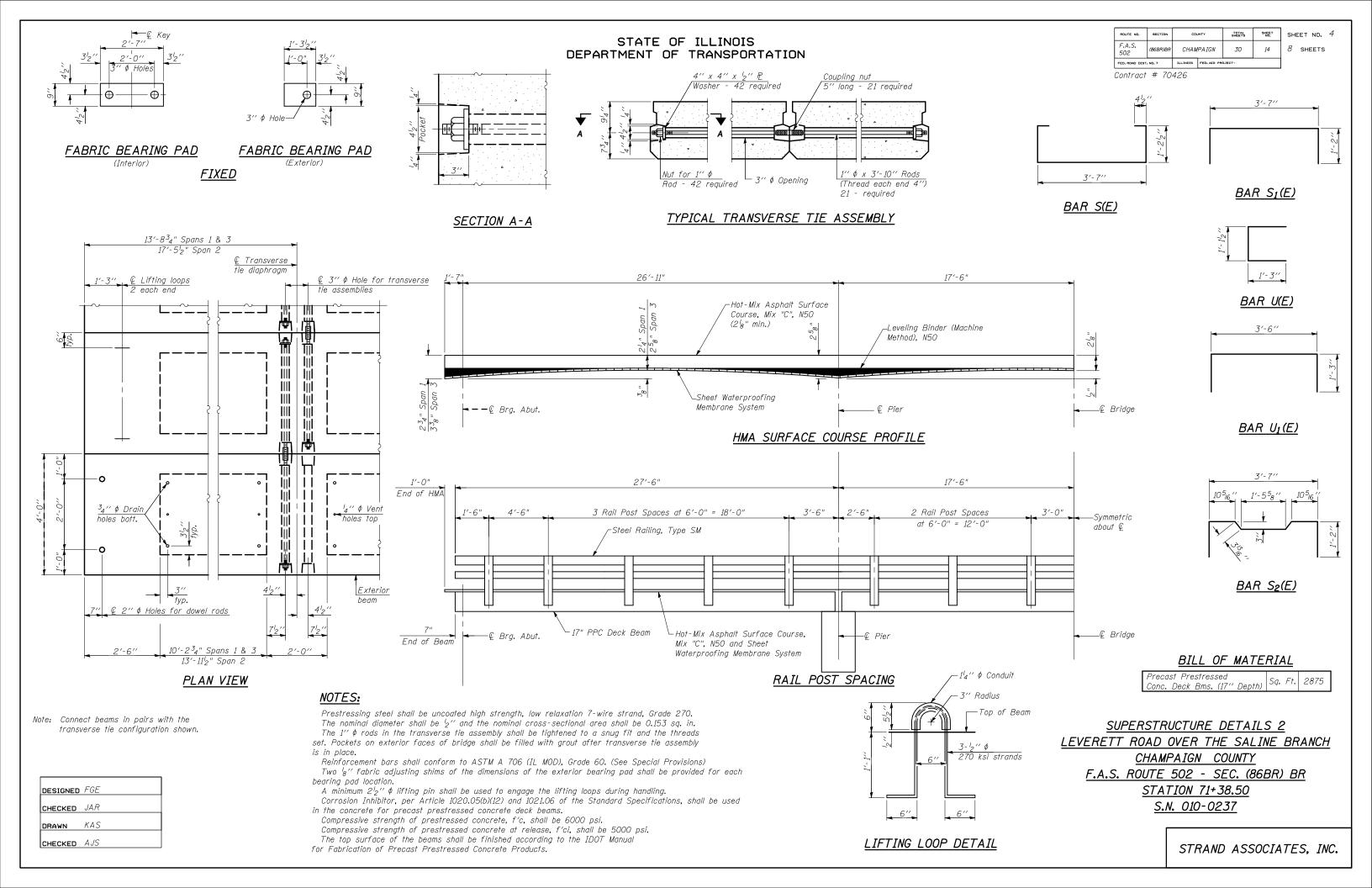


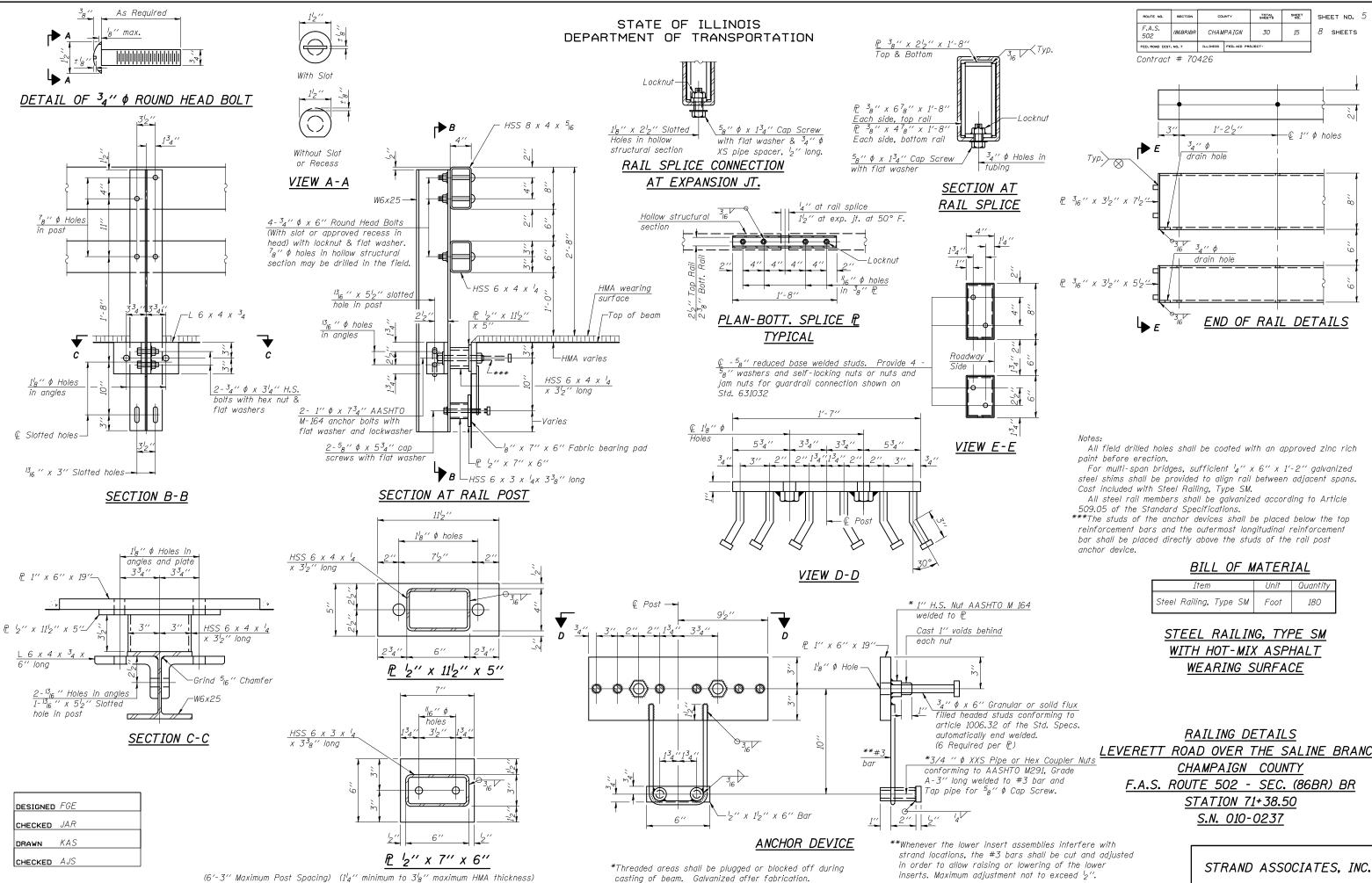
	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.	SHE	EET NO. J
F.A.S. 502	(86BR)BR	CHAMPAIGN		30	13	8	SHEETS
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PRO	DJECT-			

Bar	No.	Size	Length	Shape
A(E)	24	#4	3′-7″	—
B(E)	5	#5	27'-2"	
$B_1(E)$	4	#4	27'-2"	
S(E)	40	#4	6′-9″	
$S_I(E)$	10	#4	5′-11″	
$S_2(E)$	30	#4	6'-2"	r1
U(E)	12	#5	3′-8″	
$U_1(E)$	2	#4	6'-0"	

Bar	No.	Size	Length	Shape
A(E)	30	#4	3′-7″	—
B(E)	5	#5	34′-8″	
$B_I(E)$	4	#4	34′-8″	
S(E)	50	#4	6′-9″	Г
$S_I(E)$	10	#4	5′-11″]
$S_2(E)$	40	#4	6′-2″]
U(E)	12	#5	3′-8″	
$U_1(E)$	2	#4	6′-0″	

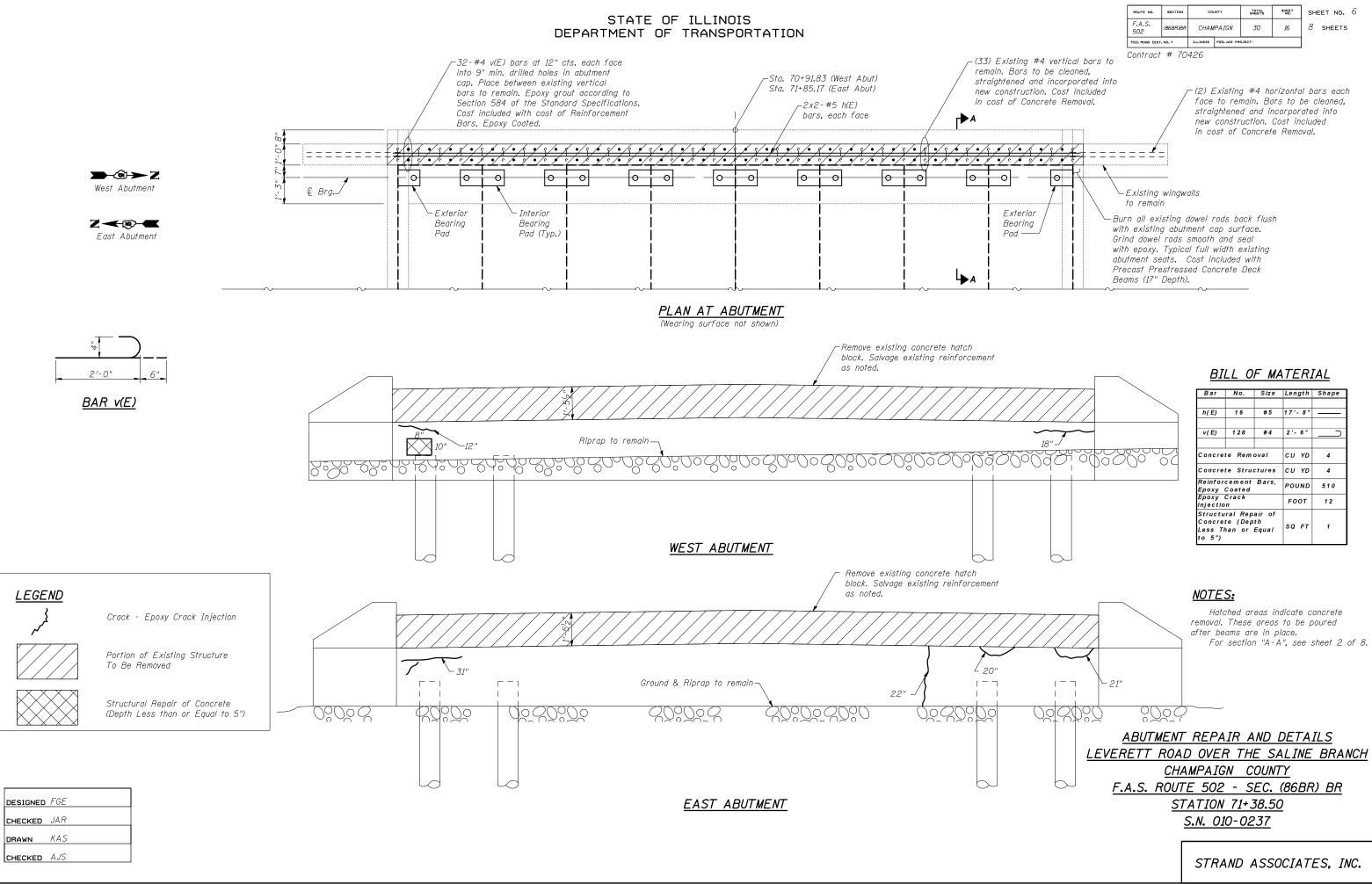
LEVERETT ROAD OVER THE SALINE BRANCH





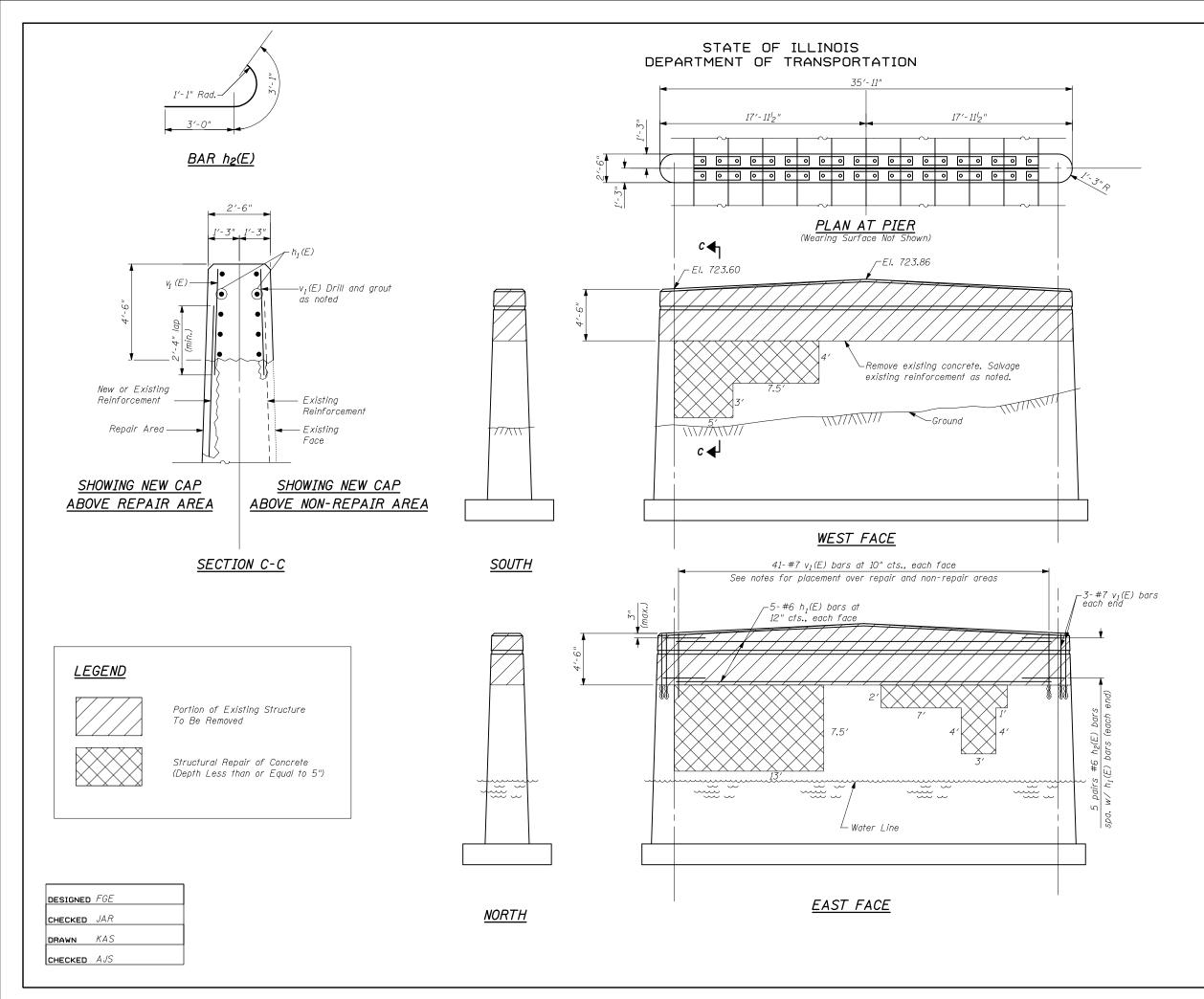
Item	Unit	Quantity
Steel Railing, Type SM	Foot	180

ar or solid flux conforming to the Std. Secon	
the Std. Specs. elded.	RAILING DETAILS
LEVERETT RO	AD OVER THE SALINE BRANCH
<u>r Hex Coupler Nuts</u> D M291, Grade Cl	HAMPAIGN COUNTY
#3 bar and F.A.S. ROU ap Screw.	JTE 502 - SEC. (86BR) BR
	STATION 71+38.50
	<u>S.N. 010-0237</u>
issemblies interfere with rs shall be cut and adjusted lowering of the lower not to exceed '2''.	STRAND ASSOCIATES, INC.



	ROUTE ND.	SECTION	cou	JNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6
	F.A.S. 502	(86BR)BR	СНАМ	PAIGN	30	16	8 SHEETS
	FED. ROAD DIST	. NO. 7	ILLINGIS	FED. AID PRO	DJECT-		
aring win d	Contract Contract Existing to remain th existing th existing th epoxy. utment se ecast Pre ams (17"	wingwa m isting c g abuti rods c Typica aats. estress	- (2) E face strai new in co alls dowel I ment c smooth 1 full Cost ir ed Cor	to rei ghtene constr ost of of ap sur and s width e ocluded	nain. Bo d and in uction. Concret face. face. ieal existing with	ars to . ncorpor Cost in re Remo	

Bar	No.	Size	Length	Shape
h(E)	16	# 5	17'-8"	
v(E)	128	#4	2'- 6"	
Concre	te Rem	CU YD	4	
Concre	te Stru	CU YD	4	
Reinfor Epoxy	cement Coated	POUND	510	
Epoxy Injectio		FOOT	12	
Concre	ral Rep te (Dep han or	SQ FT	1	



ROUTE ND.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.	sн	EET NO.
F.A.S. 502	(86BR)BR	CHAMPAIGN		30	17	8	SHEETS
FED. ROAD DIST	FED. ROAD DIST. NO. 7		FED. AID PROJECT-				

Contract # 70426

NOTES:

For Section "B-B", see sheet 2 of 8. Hatched areas indicate concrete removal. These areas to be poured after structural repair of concrete is complete for remainder of the pier.

For cap removal over non-repair areas, salvage existing #7 vertical bars. Bars to be cleaned, straightened, and incorporated into new construction. Cost included in cost of Concrete Removal.

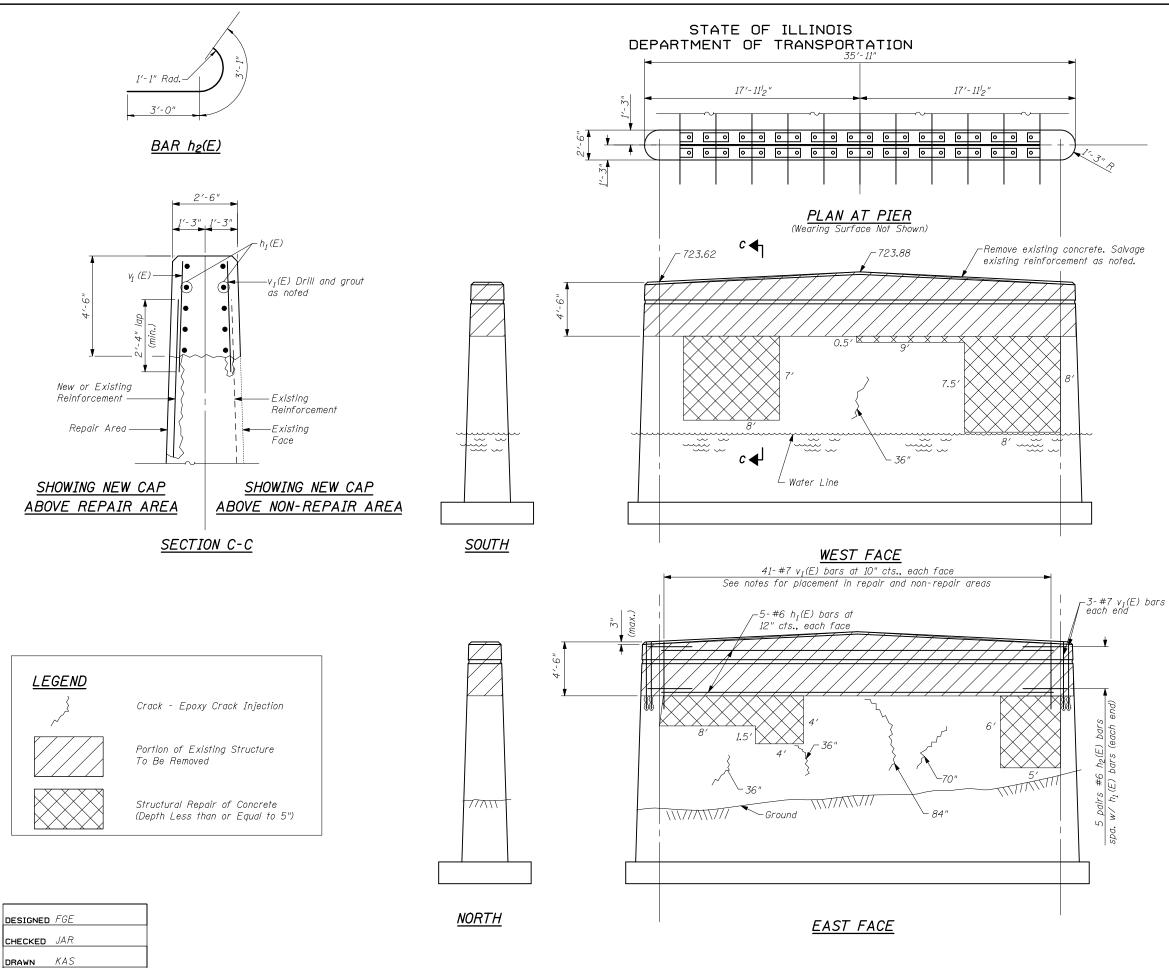
For $v_I(E)$ bars in non-repair areas, place bars in 9" min. drilled holes in top of pier at removal limit. Place bars between salvaged vertical bars to remain. Epoxy grout according to Section 584 of the Standard Specifications. Cost included with cost of Reinforcement Bars, Epoxy Coated.

For cap removal over repair areas, evaluate the existing #7 vertical bars as outlined in the Structural Repair of Concrete Special Provision. Where new or supplemental reinforcing is provided lap splice the $v_1(E)$ bars to the new bars, otherwise lap splice the $v_1(E)$ bars to the existing reinforcement to remain.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h 1 (E)	10	#6	33'- 5"	
h 2 (E)	20	#6	6'-2"	
v₁(E)	88	# 7	5'-1"	
Concre	te Rem	CU YD	16	
Concre	te Stru	CU YD	16	
Reinfor Epoxy	cement Coated	POUND	1600	
Concre	ral Rep te (Dep han or	SQ FT	216	

<u>PIER 1 REPAIR DETAILS</u> <u>LEVERETT ROAD OVER THE SALINE BRANCH</u> <u>CHAMPAIGN COUNTY</u> <u>F.A.S. ROUTE 502 - SEC. (86BR) BR</u> <u>STATION 71+38.50</u> <u>S.N. 010-0237</u>



CHECKED	AJS	

ROUTE ND.	SECTION	COUNTY TOTAL SHEET NO.			sн	EET NO	. 8	
F.A.S. 502	(86BR)BR	СНАМ	PAIGN	30	18	8	SHEET	S
FED. ROAD DIST.	. NO. 7	ILLINOIS	FED. AID PR	OJECT-				

Contract # 70426

NOTES:

For Section "B-B", see sheet 2 of 8. Hatched areas indicate concrete removal. These areas to be poured after structural repair of concrete is complete for remainder of the pier.

For cap removal over non-repair areas, salvage existing #7 vertical bars. Bars to be cleaned, straightened, and incorporated into new construction. Cost included in cost of Concrete Removal.

For $v_1(E)$ bars in non-repair areas, place bars in 9" min. drilled holes in top of pier at removal limit. Place bars between salvaged vertical bars to remain. Epoxy grout according to Section 584 of the Standard Specifications. Cost included with cost of Reinforcement Bars, Epoxy Coated.

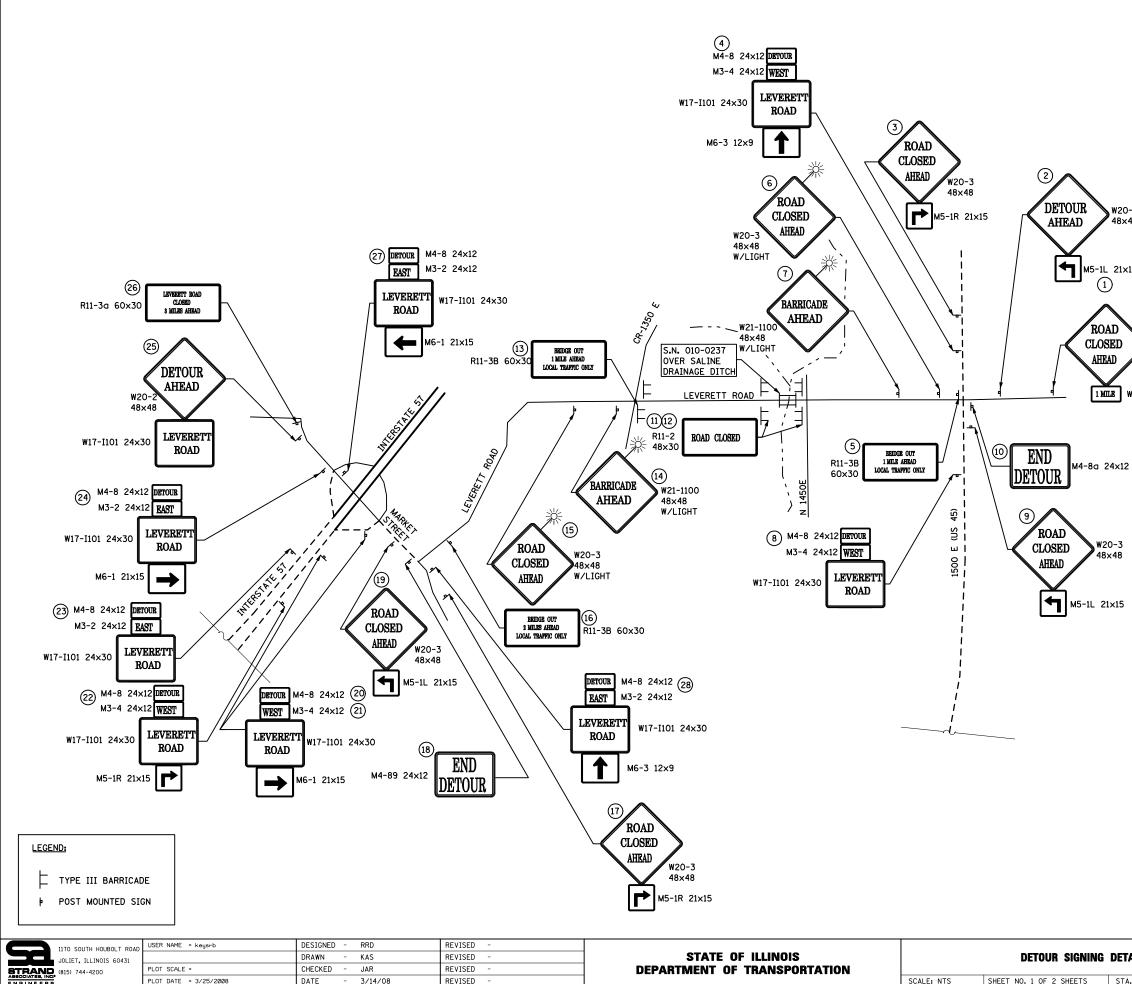
For cap removal over repair areas, evaluate the existing #7 vertical bars as outlined in the Structural Repair of Concrete Special Provision. Where new or supplemental reinforcing is provided lap splice the $v_1(E)$ bars to the new bars, otherwise lap splice the $v_1(E)$ bars to the existing reinforcement to remain.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h₁(E)	10	#6	33'- 5"	
h 2 (E)	20	#6	6'-2"	
V₁(E)	88	#7	5'-1"	
Concre	te Rem	oval	CU YD	16
Concre	te Stru	ctures	CU YD	16
Reinfor Epoxy	cement Coated	Bars,	POUND	1600
Epoxy Injectio		FOOT	24	
Concre	ral Rep te (Dep han or	SQ FT	210	

PIER 2 REPAIR DETAILS LEVERETT ROAD OVER THE SALINE BRANCH CHAMPAIGN COUNTY F.A.S. ROUTE 502 - SEC. (86BR) BR STATION 71+38.50

S.N. 010-0237



SHEET NO. 1 OF 2 SHEETS

	SIGN NO.	LOCATION
	1	ERECT BESIDE STOP AHEAD SIGN
	2	ERECT BESIDE JCT US 45 SIGN
	3	ERECT BESIDE CROSSROAD LEVERETT ROAD SIGN
	4	ERECT BESIDE ROYAL/LEVERETT GREEN SIGN
	5	ERECT 75′ ± WEST OF US 45 SIGN
	6	ERECT 1000' ± EAST OF 1450 E ROAD
	7	ERECT 100′ ± EAST OF ARROWHEAD EAST DRIVE
	8	ERECT BESIDE TOURIST INFO SIGN
	9	ERECT IN CRT MEDIAN SHIELD AT START OF LEFT
	-	TURN LANE FOR LEVERETT ROAD
	10	ERECT 75′ ± EAST OF INTERSECTION
	11	ERECT ON TYPE 3 BARRICADES
	12	ERECT ON TYPE 3 BARRICADES
	13	ERECT ON STAGGERED TYPE 3 BARRICADES WITH LIGHT
W 20-2	14	ERECT 100' ± OF SPEED LIMIT 455 MPH SIGN
/ 48×48	15	ERECT BESIDE SPEED ZONE AHEAD 45 MPH SIGN
	16	ERECT ON SHOULDER BY LEFT CURVE SIGN
	17	ERECT BY LEVERETT 2 SIGN
	18	ERECT UNDER LEVERETT 2 ARROW SIGN
IL 21x15	19	ERECT BETWEEN RAMP AND LEVERETT ROAD
\sim	20	ERECT 150′ ± FROM BEGINNING OF RAMP ERECT BESIDE RIGHT SIDE DO NOT ENTER SIGN
1)	21	ERECT BESIDE RIGHT SIDE DO NOT ENTER SIGN ERECT 150' \pm SOUTH OF MP. 240 SIGN
_	22	ERECT BESIDES MP. 240 SIGN
\land	23	ERECT BESIDES KANKAKEE/CHAMPAIGN GREEN BOARD
	24 25	ERECT BESIDE JCT I -57 SIGN
DAD 🔪	25 26	ERECT 100' ± FROM HENSLY RD. / CH 20
DSED 为	26	ERECT 100' PRIOR TO SB I-57 RAMP
EAD W20-	29	ERECT JUST SOUTH OF LEVERETT ROAD
// "20	3	
48×4	8	

1 MILE W16-3a 12×6

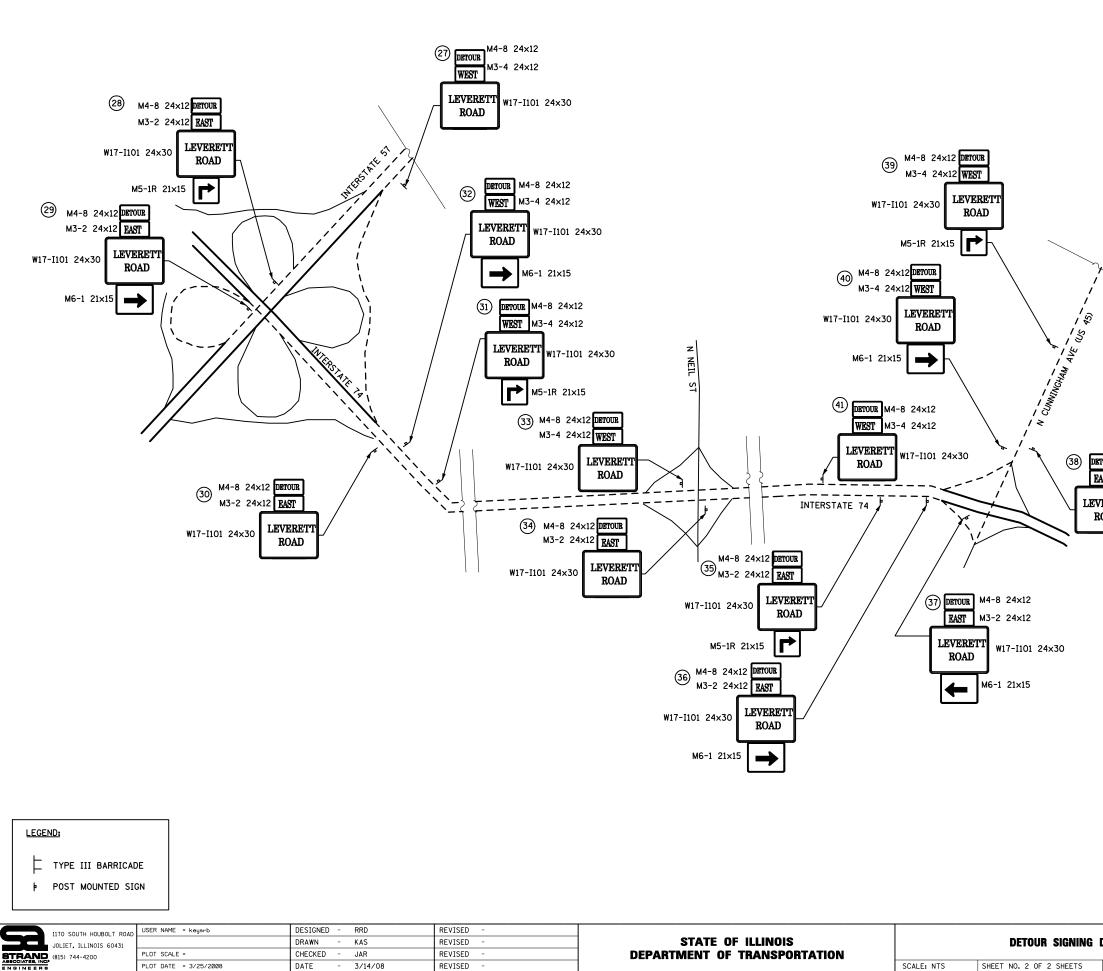
W20-3



NOTES:

- 1. EXISTING SIGNS WHICH CONFLICT WITH THE MARKED DETOUR SHALL BE COVERED, COST OF COVERING EXISTING SIGNS SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- 2. LEVERETT ROAD SHALL NOT BE CLOSED UNTIL ALL DETOUR SIGNING IS ERECTED AND APPROVED BY THE ENGINEER.
- 3. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THE DETOUR SIGNING SHALL MEET THE REQUIREMENTS FOR TYPE A -LOW INTENSITY FLASHING PER ARTICLE 116.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- 4. ALL W17-I101 SIGNS SHALL BE ORANGE WITH BLACK LETTERS.

i DETAIL – 1		F.A.S. SECTION				COUNTY	TOTAL SHEETS	SHEET NO.
		(86BR)BR				CHAMPAIGN	30	19
						CONTRACT	NO. 7	0426
STA. TO STA.	FED. RO	DAD DIST.	NO.	ILLINOIS	FED. AII	D PROJECT		



PLOT DATE = 3/25/2008

DATE

3/14/08

REVISED

SCALE: NTS SHEET NO. 2 OF 2 SHEETS

SIGN NO.	LOCATION
27	ERECT ON SHOULDER BY OLYMPIAN DRIVE 1/2 MILE SIGN
28	ERECT BESIDES LIGHT POLE # 49/162
29	ERECT AT BEGINNING OF EXIT RAMP
30	ERECT BESIDES SPEED LIMIT 65/MINIMUM 45 SIGN
31	ERECT AT START OF GUARD RAIL BY POLE # 50/139
32	ERECT 100' +1 FROM BEGINNING OF RAMP
33	ERECT 150′ ± PAST NEIL STREET BRIDGE
34	ERECT 1550′ ± PAST NEIL ST. BRIDGE
35	ERECT BESIDE RIGHT LANE EXIT ONLY SIGN
36	ERECT BESIDE RAMP 40 MPH SIGN
37	ERECT BEHIND LEFT SIDE WRONG WAY SIGN
38	ERECT BESIDE NORTH US 45 SIGN
39	ERECT BESIDE LIGHT POLE # 55/120
40	ERECT BESIDE LIGHT POLE # 55/116
41	ERECT BESIDE LODGING SIGN

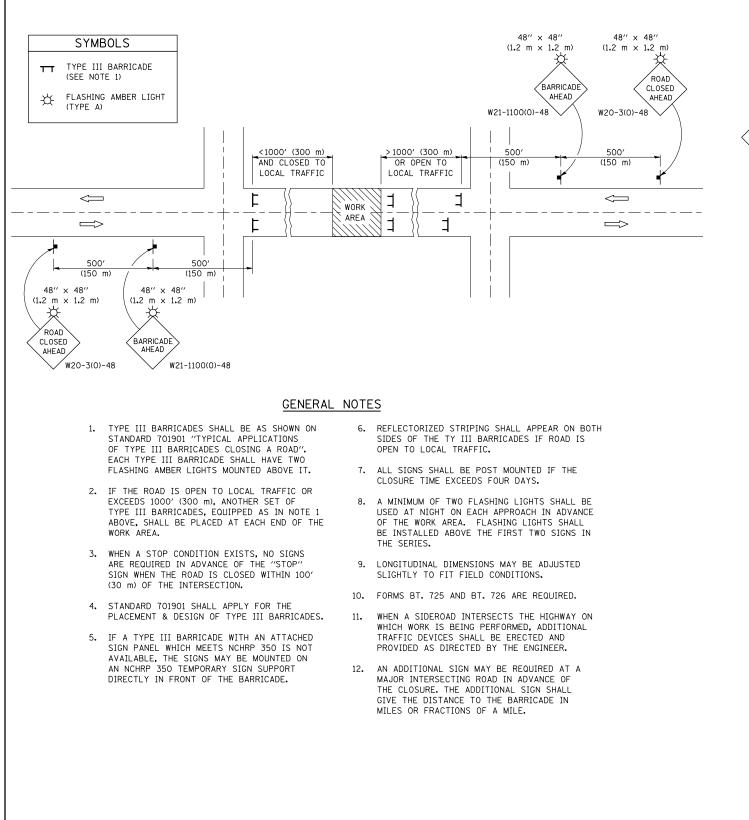
D

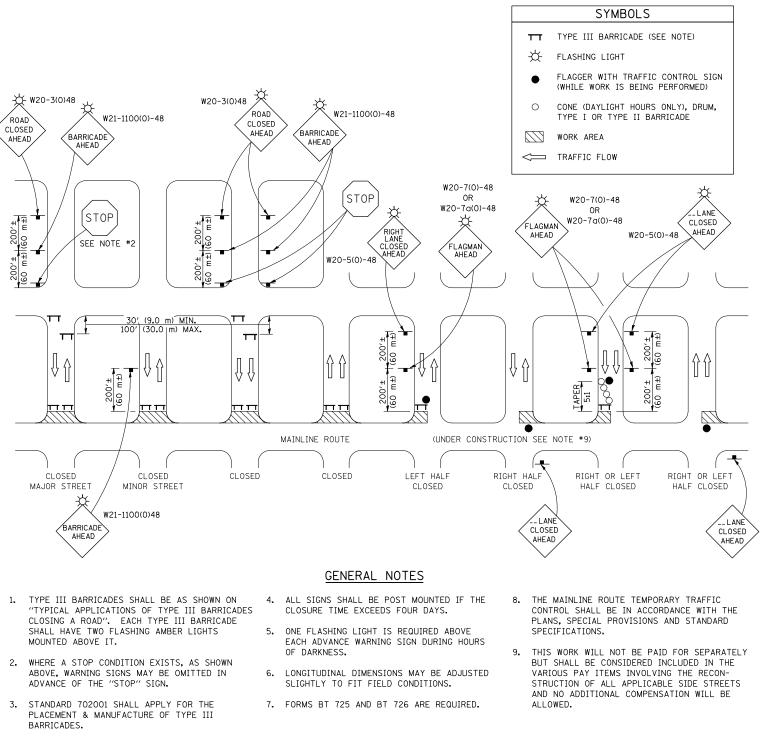
NOTES:

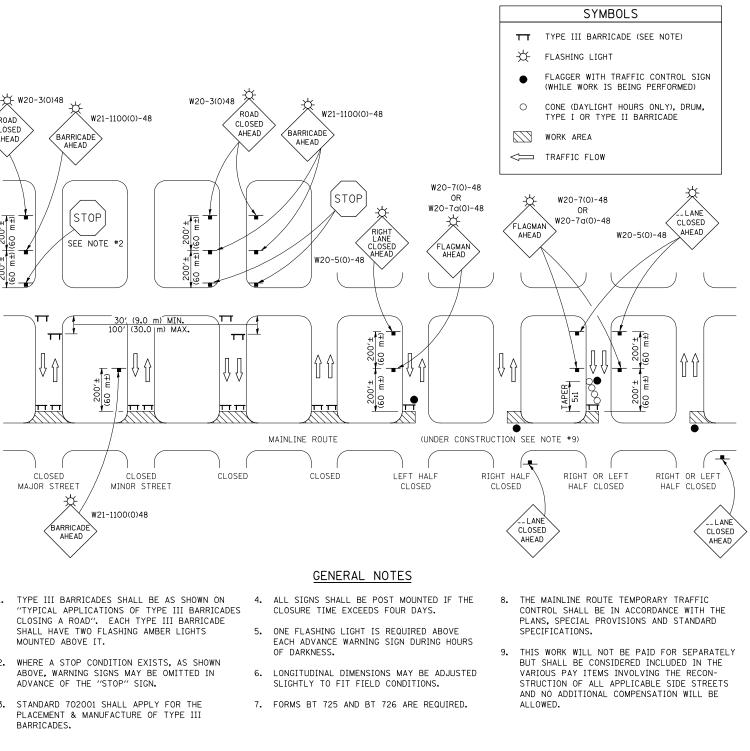
- 1. EXISTING SIGNS WHICH CONFLICT WITH THE MARKED DETOUR SHALL BE COVERED, COST OF COVERING EXISTING SIGNS SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- 2. LEVERETT ROAD SHALL NOT BE CLOSED UNTIL ALL DETOUR SIGNING IS ERECTED AND APPROVED BY THE ENGINEER.
- 3. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THE DETOUR SIGNING SHALL MEET THE REQUIREMENTS FOR TYPE A -LOW INTENSITY FLASHING PER ARTICLE 116.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- 4. ALL W17-I101 SIGNS SHALL BE ORANGE WITH BLACK LETTERS.

DETAIL - 2 502 (86BR)BR CHAMPAIGN 30 20 STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		DETAIL – 2		F.A. RTE	F.A.S. SECTION						COUNTY	TOTAL SHEETS	SHEET NO.
	Ľ			502	2	(86BR)BR					CHAMPAIGN	30	20
STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	_										CONTRACT	Г NO. 7	0426
		STA.	TO STA.	FED.	ROAD	DIST.	NO.	ILLINOIS	FED.	AID	PROJECT		

ROAD CLOSURE



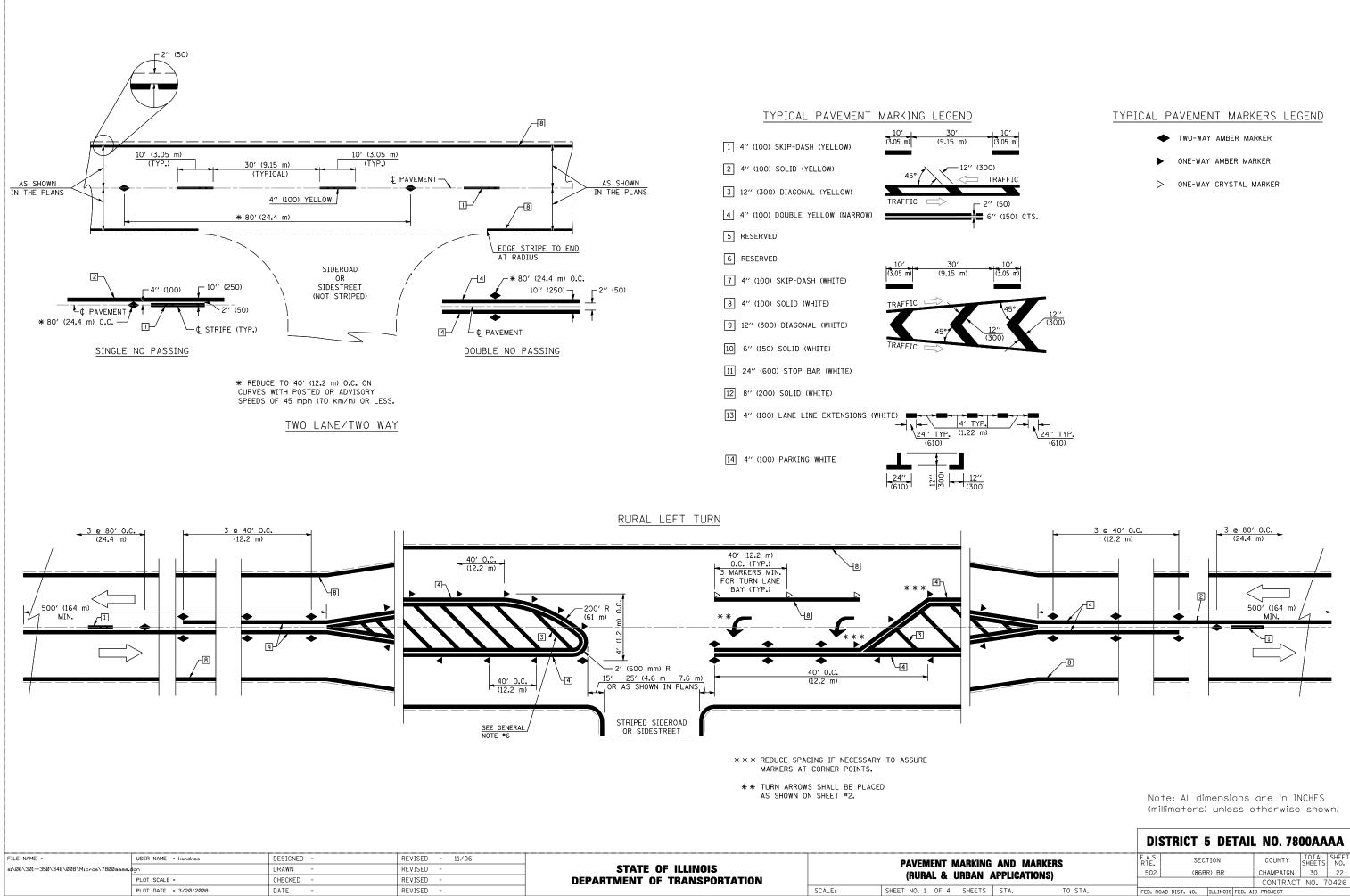




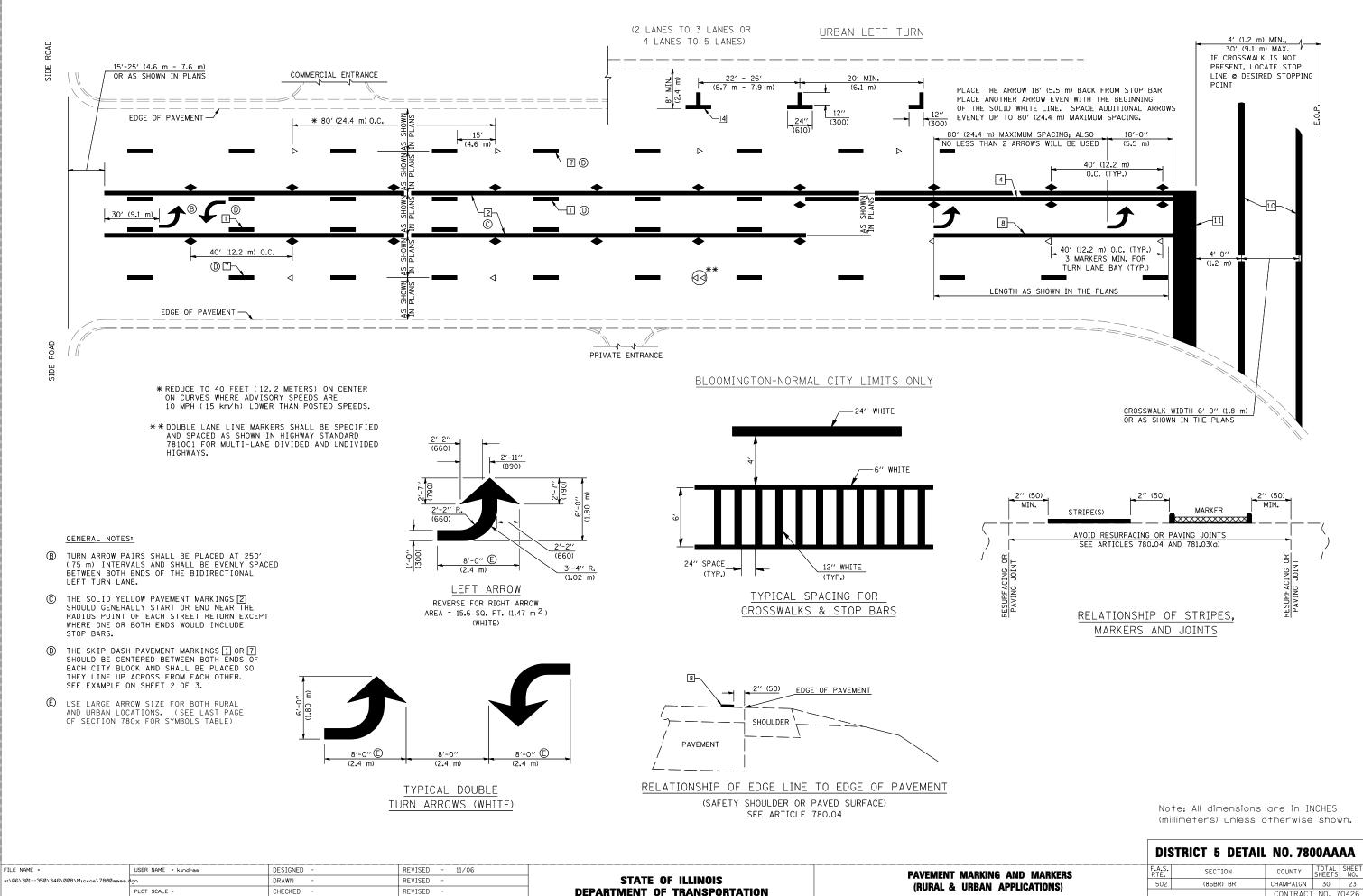
							DISTRICT 5 DET	AIL NO. 70200000
FILE NAME =	USER NAME = stultsjw	DESIGNED -	REVISED - 11/06			TRAFFIC CONTROL & PROTECTION DEVICES	F.A.S. SECTION	COUNTY TOTAL SHEET
S:\Consultant Liaison\PTB 139\WO #2 - 70	Consultant Liaison/PTB 139/WD *2 - 70426 - FAS 502 (Leverett Rd) - (86BR)BR - Saline DRAWAA E of Leverett/PS&E/2008-03-21 StrREWISEDal Submitth2XMDZrostation Files/70200000.dgn	00000.dgn STATE OF ILLINOIS			502 (86BR) BR	CHAMPAIGN 30 21		
	PLOT SCALE = 40.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	(ROAD & SIDEROAD/STREET CLOSURES)			CONTRACT NO. 70426
S:\Consultant Liaison\PTB 139\WO #2 - 7042	PLOT DATE = 5/13/2008	DATE = 5/13/2008 DATE - REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FE		

SIDEROAD / STREET CLOSURE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.



			DIS	STRICT !	5 DET	L NO. 7800AAAA			
G	AND MA	ARKERS	F.A.S. RTE.	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
	APPLICATIONS)		502	(86BR) BR			CHAMPAIGN	30	22
_							CONTRACT	NO. 7	0426
;	STA.	TO STA.	FED. RO	AD DIST. NO.	ILLINOIS F	ED. AI	D PROJECT		



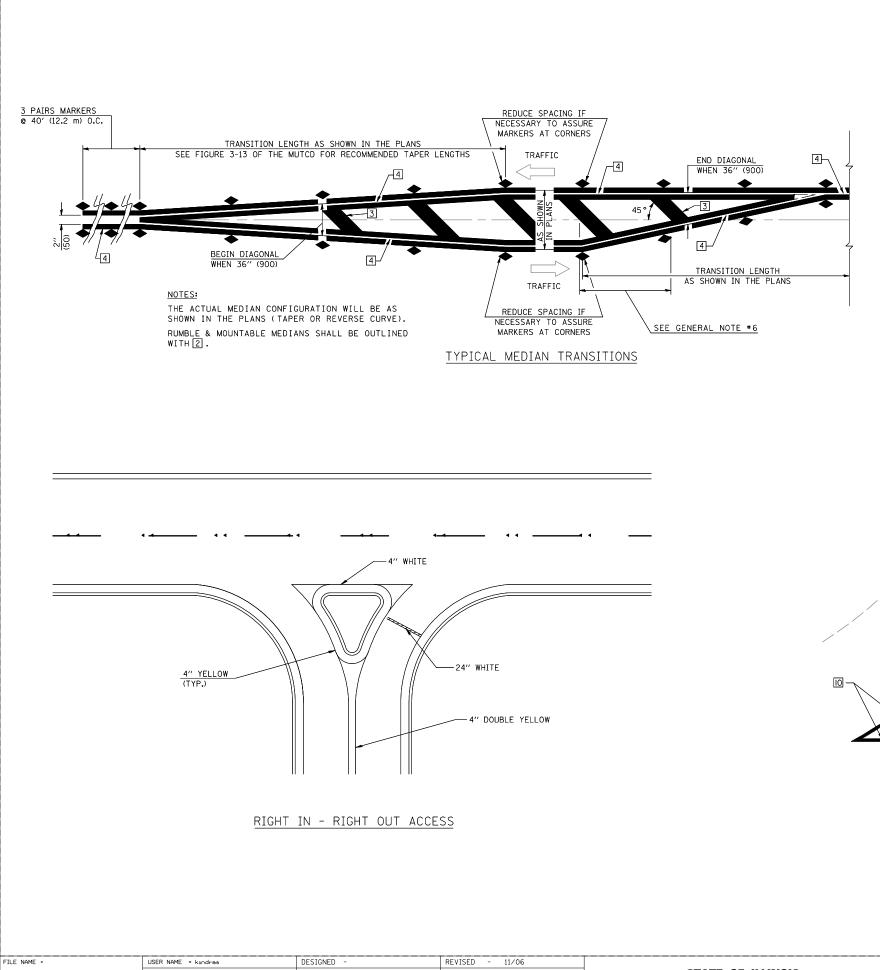
NETIBED			(RURAL & URBAN A
REVISED -	DEPARTMENT OF TRANSPORTATION		(RURAL & URBAN A
REVISED -		SCALE:	SHEET NO. 2 OF 4 SHEETS

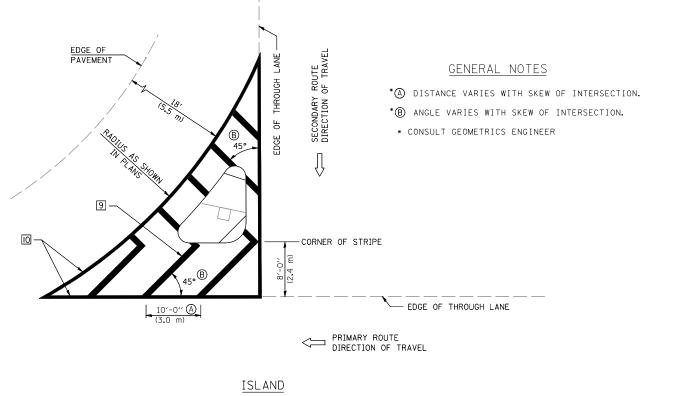
PLOT SCALE :

PLOT DATE = 3/20/2008

DATE

IG	AND MARKERS APPLICATIONS)	F.A.S. SECTION				COUNTY	TOTAL SHEETS	SHEET NO.			
	APPLICATIONS)	-	502		(86B	R) BR			CHAMPAIGN	30	23
									CONTRACT	NO. 7	0426
S	STA.	TO STA.	FED. RC	AD DIST.	N0.	ILLINOIS	FED.	AID	PROJECT		





s:\06\301350\346\008\Micros\7800aaaa.dg							DISTR	ICT 5 DET/	IL NO. 7800AAA/	
s:\06\301350\346\008\M1cros\7800aaaa.dgn PL	USER NAME = kindras	DESIGNED -	REVISED - 11/06			PAVEMENT MARKING AND MARKERS	F.A.S.	SECTION	COUNTY	TOTAL SHEE
	s.dgn	DRAWN -	RAWN - REVISED - STATE OF ILL'	STATE OF ILLINOIS			502	(86BR) BR	CHAMPAIGN	30 24
	PLOT SCALE = CHECKED - REVIS	REVISED -	DEPARTMENT OF TRANSPORTATION		(RURAL & URBAN APPLICATIONS)	002		CONTRACT	NO. 70426	
	PLOT DATE = 3/20/2008	DATE -	REVISED -		SCALE:	SHEET NO. 3 OF 4 SHEETS STA. TO STA.	FED. ROAD DIS	ST. NO. ILLINOIS FE	D. AID PROJECT	

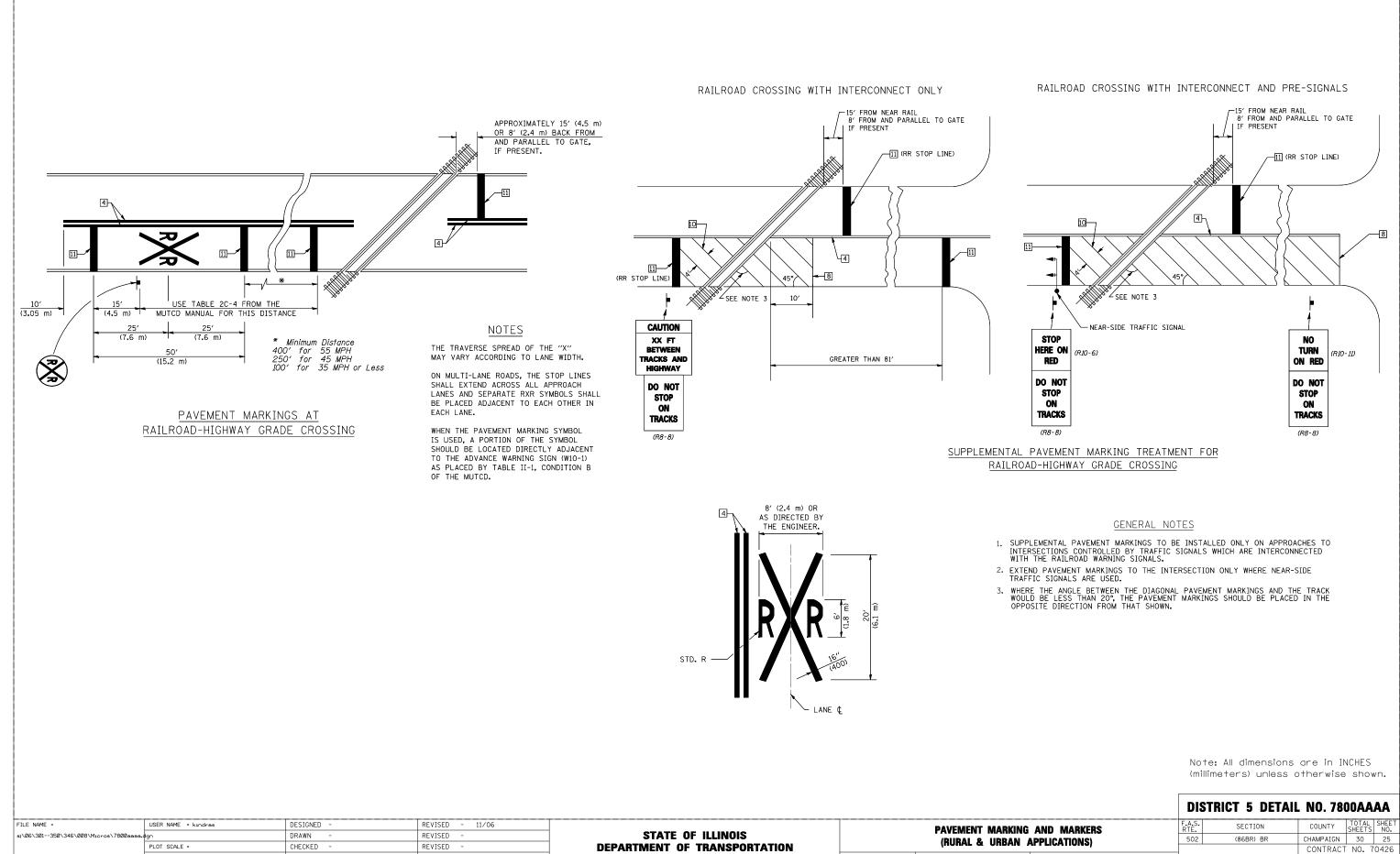
GENERAL NOTES

- 1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
- SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
- 3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
- 4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
- FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
- 6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 30
 45
 MPH USE 15' (<50 km/h USE 4.5 m)</td>

 30-45
 MPH USE 20' (50-75 km/h USE 6.0 m)

 >45
 MPH USE 30' (>75 km/h USE 9.0 m)

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

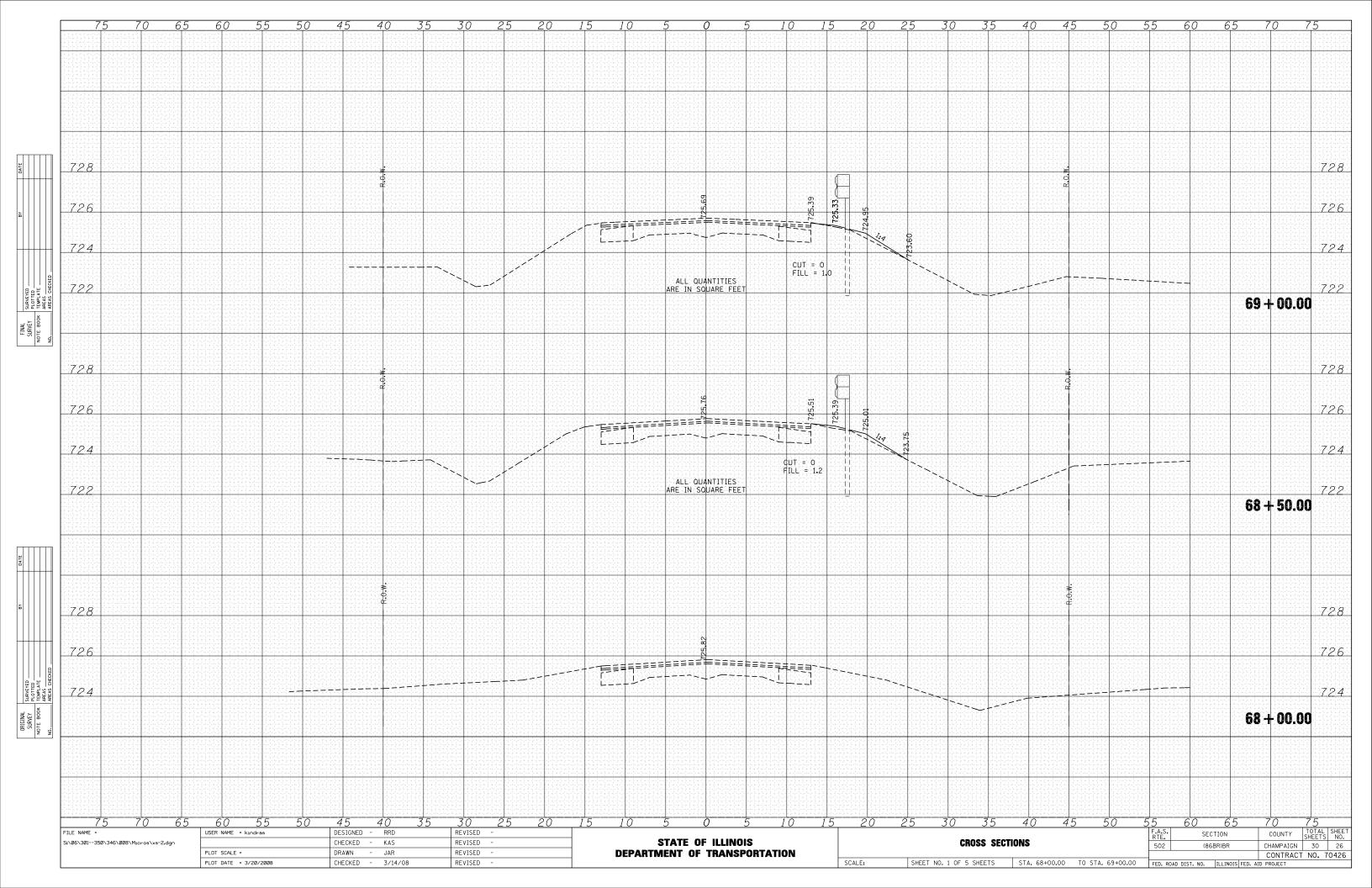


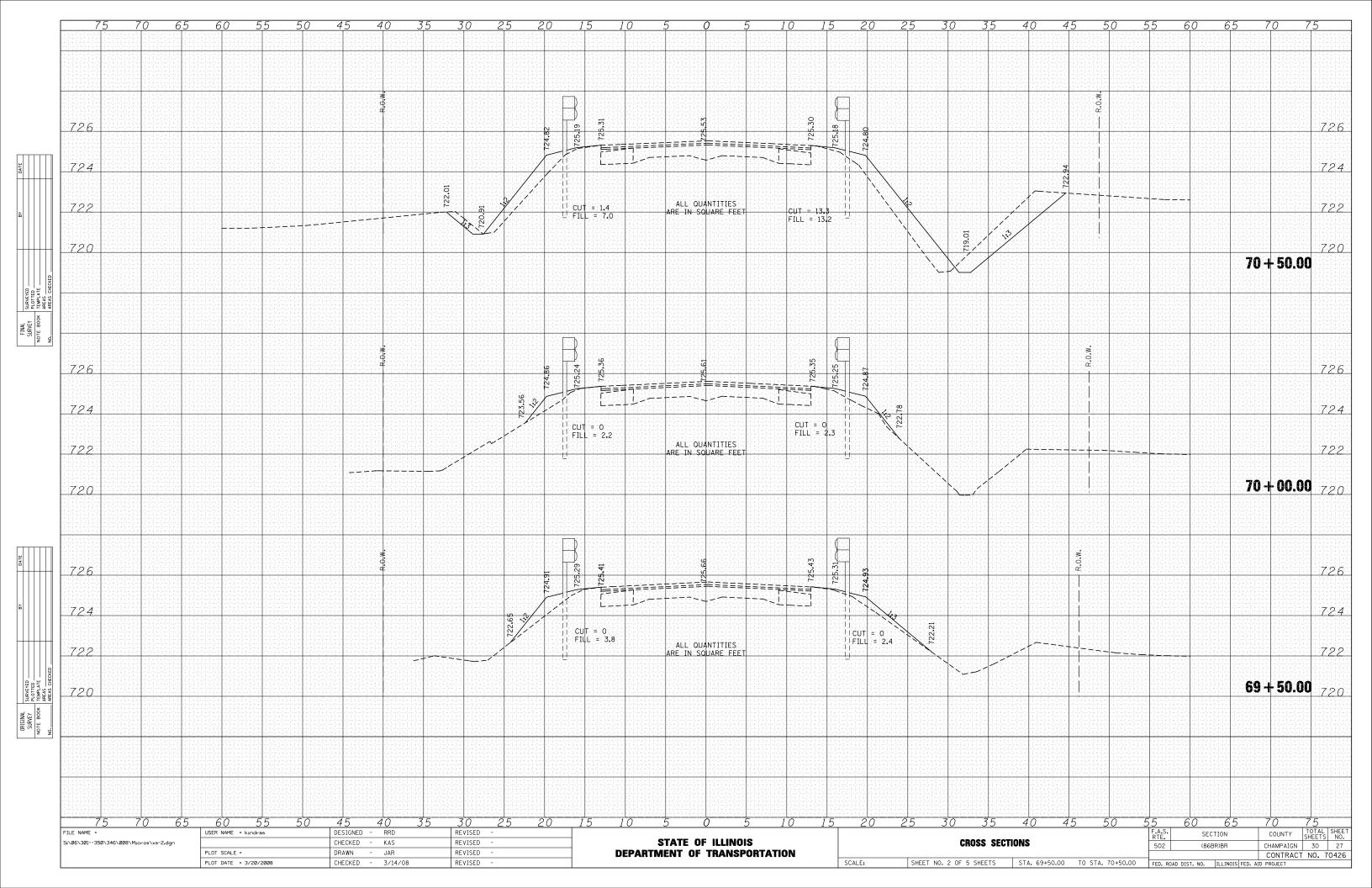
CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** SHEET NO. 4 OF 4 SHEETS STA. SCALE: DATE REVISED

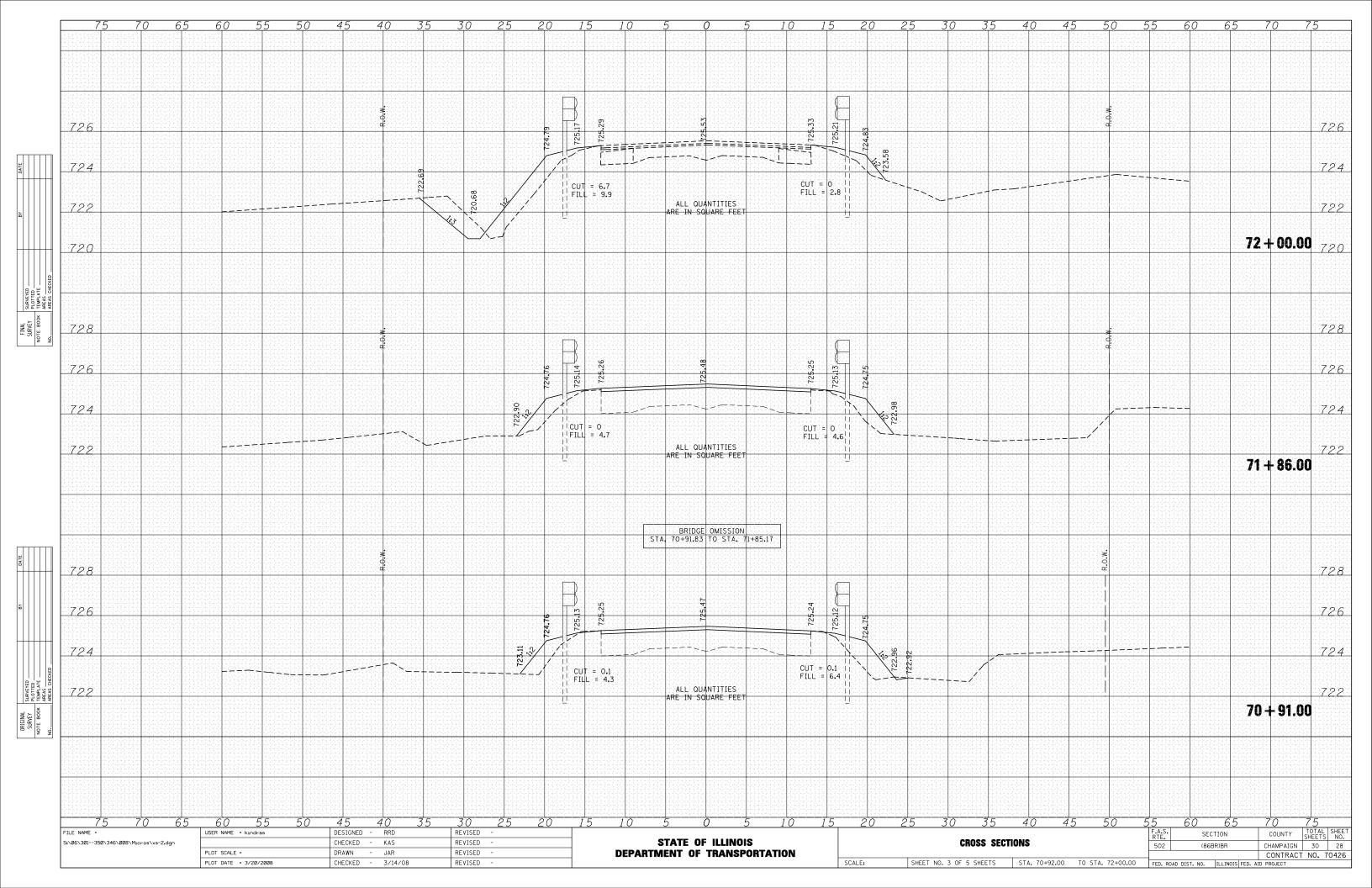
PLOT DATE = 3/20/2008

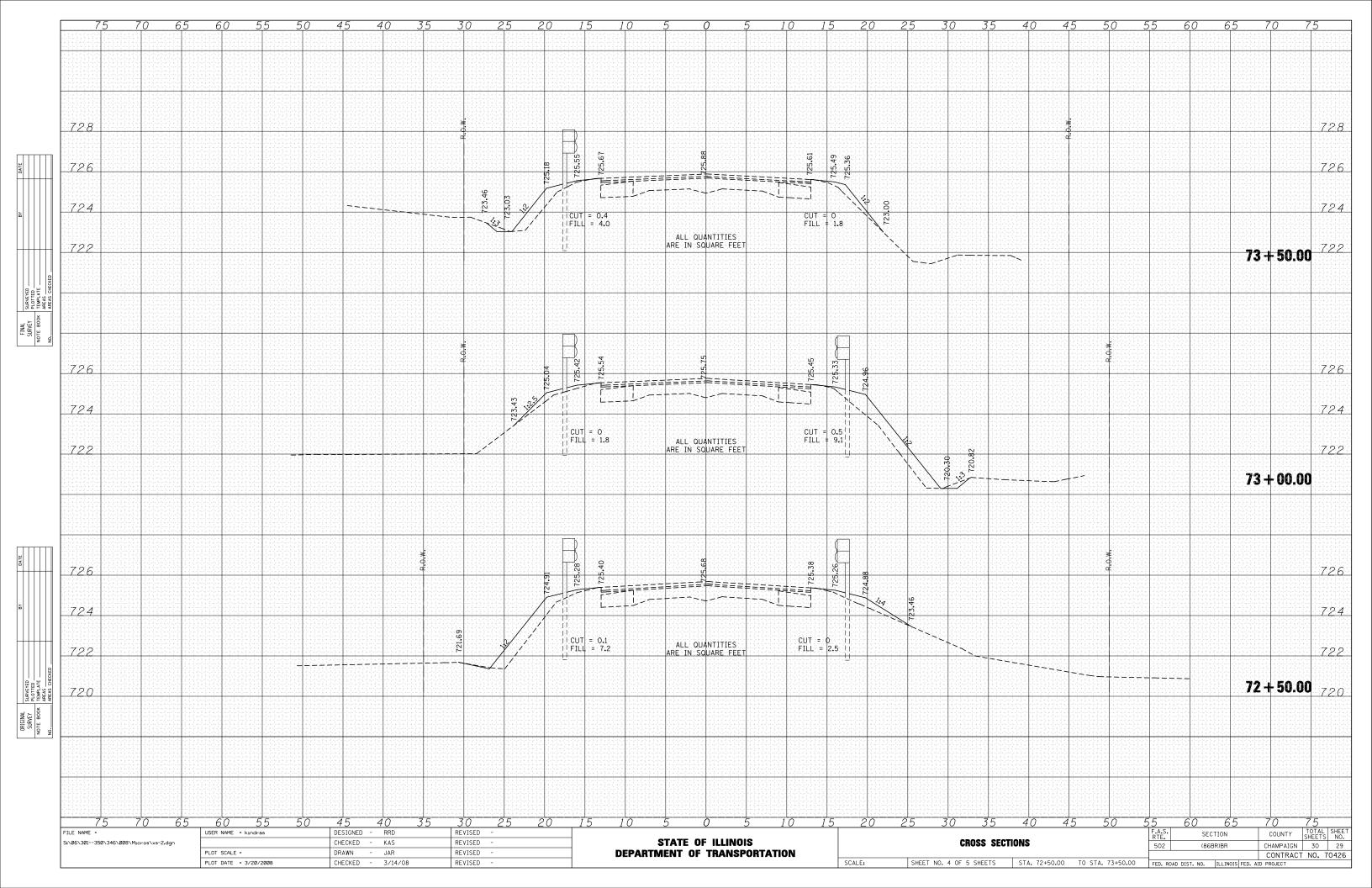
TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT









75	70 65	60 55	5 <u>5</u> 0	45 40	35	30 25	20 15	10 5	0 5	<u>5 10 1</u>	5 20 2	25 30	35
	$\begin{split} & d_{1}(\frac{1}{2}, -d_{1}(\frac{1}{2}, -d_{1}($												
726													
			المراجع المراجع من ما مراجع ما مراجع المراجع					با از مانی به و به و به می مادی به مراحل می دادی از مراحل می و به و به می مادی مادی به می این از می می این و به این و به می مادی به می می می می می می به می مادی می مادی به می می می می می می این مادی می مادی به می می می می می					المريحة والتي التي من من منامر ما مريحة من المريحة مريحة والتي مريحة مريحة مريحة مريحة المريحة مريحة من من من من مريحة مريحة المريحة مريحة من من من من من من من من من من المريحة مريحة من
726													
	$\begin{array}{c} (1-\frac{1}{2})^{-1} \left(1-\frac{1}{2} \right)^{-1} \left(1-\frac$							ا می از این از این					
						*: 0							
730													
728													
	$\begin{array}{c} (x_{1})_{1} = (x_{1})_{$		a nje stelje telje telje telje telje soja soja soja soja soja soja soja soja						26.14				
726								<u> </u> 	╤╤╤╋╤═══ ╤╤╤╋╤═══ ╴╴╮ _╴				
724												· · ·	
											```		
728	$\begin{split} & d_{1} \int_{0}^{1} dx + u \int_{0}^{1} dx \int_$		ا من استان المراجع الحالي المراجع العالمي المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المرا المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع										
726									726.01				
								i====== ↓↓=	=======================================		<u> </u>		
724													
											×,		^
			الم		ا من ما رو ا مر ا مر ا مر ا مر ا مر ا مر ا م			المراجع من المراجع الم المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع					المراجع من المراجع الم المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع
	70 77		<u> </u>	15 10	7 /	30 25					5 20		7 E
75 FILE NAME = S:\06\301350\346\00	70 65 3\M1cros\xs-2.dgn	USER NAME = kindras		45 40 DESIGNED - RRD CHECKED - KAS		<u>3025</u> REVISED - REVISED -	20 15	<u>10 5</u> Stat	<u> </u>		5 20 2	<u>5 30</u>	<u>35</u> Ross Sectio
		PLOT SCALE = PLOT DATE = 3/20/20	008	DRAWN - JAR CHECKED - 3/14/		REVISED - REVISED -	C	PEPARTMEN	OF TRANSPO	DRTATION	SCALE:	SHEET NO. 6 OF	

