

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

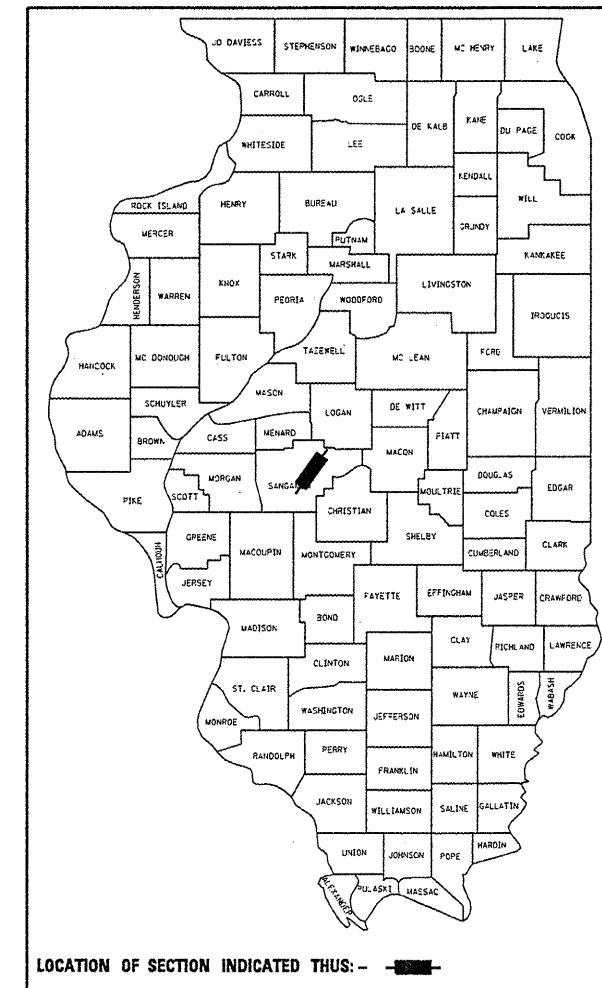
FAI 72 (I-72)  
SECTION (84-10-1)I-7

INTERSTATE PAVING  
SANGAMON COUNTY

C-96-083-11

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-72	(84-10-1)I-7	SANGAMON	41	1
		ILLINOIS	CONTRACT NO. 72E51	

D-96-083-11



LOCATION OF SECTION INDICATED THUS: —

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-4 SUMMARY OF QUANTITIES
- 5 SCHEDULE OF QUANTITIES
- 6-8 TYPICAL SECTIONS
- 9 ALIGNMENT, TIES, AND BENCHMARKS
- 10-13 PLAN AND PROFILE SHEETS
- 14-18 EROSION AND SEDIMENT CONTROL DETAILS (SWPPP)
- 19-20 ELEVATION DETAIL SHEETS
- 21 LIGHTING PLAN SHEET
- 22-24 LIGHTING DETAIL SHEETS
- 25 MISCELLANEOUS DETAIL SHEET
- 26-30 PROPOSED MAINTENANCE OF TRAFFIC SHEETS
- 31-41 CROSS SECTIONS

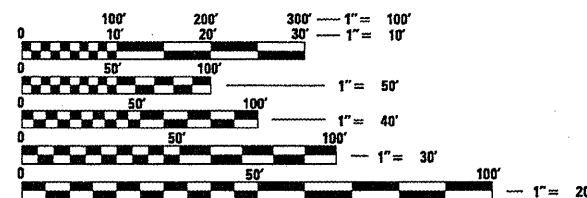
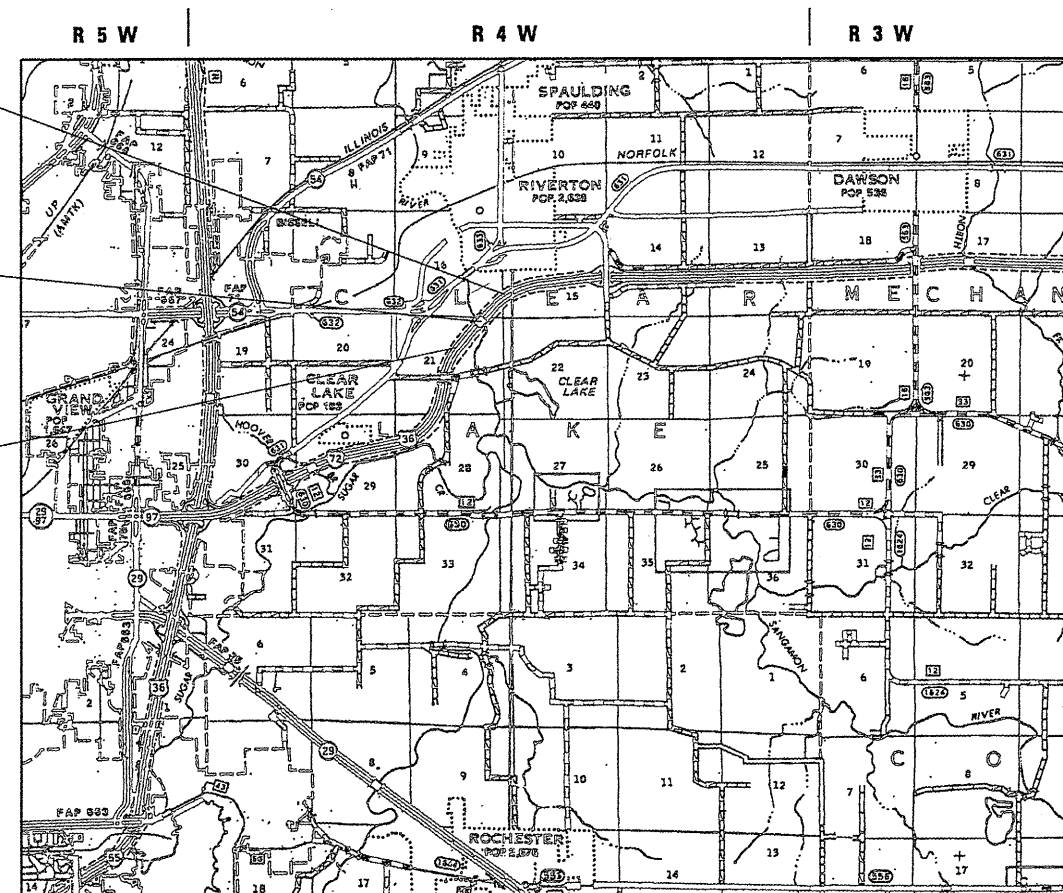
**STANDARDS**

000001-06	635011-02
001006	701101-02
280001-05	701401-06
542301-03	701901-01
602306-03	720011-01
604106-01	728001-01
604101-01	729001-01
630001-09	780001-02
631031-09	781001-03
635006-03	701400-05
701101-02	701406-06
701106-02	

END IMPROVEMENT  
FAI 72 STA. 209+97.15

SN 084-0152 WB  
SN 084-0153 EB  
FAI 72 OVER SANGAMON RIVER  
STA. 197+39.58

BEGIN IMPROVEMENT  
I-72 STA. 183+50.00



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  
OR 811

PROJECT ENGINEER : JOHN NEGANGARD (217) 782-6990  
PROJECT MANAGER : VICTOR YOUNG (217) 557-7897  
CONTRACT NO. 72E51

FAI 55  
FUNCTION CLASS=INTERSTATE  
A.D.T. (2011) 13,100  
SU (2011) 410  
MU (2011) 1,590  
PV (2011) 11,100

NET LENGTH OF FAI 72 = 2,988.20 FT = 0.566 MILES  
TOTAL LENGTH OF PROJECT = 2,988.20 FT = 0.566 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *June 7 20 11*  
*Roger D. P. King*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*July 1 20 11*  
*Scott E. Stitt P.E.*  
ACTING ENGINEER OF DESIGN AND ENVIRONMENT

*July 1 20 11*  
*Christine M. Beal*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

**HOELSCHER ENGINEERING**

11 Executive Drive Suite 12  
Fairview Heights, Illinois 62208  
(618) 624-8610  
(618) 624-8611 (fax)

2501 Chatham Road, Suite 120  
Springfield, Illinois 62704  
(217) 698-8610  
(217) 698-8608 (fax)

115 North Neil Street, Suite 105  
Champaign, Illinois 61820  
(217) 351-8610  
(217) 351-8611 (fax)

**JEFFREY S. ANTONIO**  
LICENSED PROFESSIONAL ENGINEER  
OF ILLINOIS

DATE: **6-7-2011**  
LICENSE EXP. **11/30/2011**

**GENERAL NOTES**

1. THE STANDARDS INCLUDED IN THE BACK OF THESE PLANS SHALL APPLY TO THIS PROJECT.
2. THESE PLANS HAVE BEEN PREPARED USING STANDARD SYMBOLS AS INDICATED IN THESE PLANS, AND THEY SHALL TAKE PRECEDENCE OVER THOSE SHOWN ON STANDARD 00001-06 IF THERE IS A CONFLICT.
3. EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED PRIOR TO RESURFACING.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
5. THE CONTRACTOR SHALL PROTECT UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

J.U.L.I.E. 1-800-892-0123

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, BY CONTACTING THE UTILITY COMPANY DIRECTLY.

IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN SUBMITTING HIS BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED BY THE SAME.

THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS. FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE TO THE RESIDENT ENGINEER SO THAT UTILITIES CAN BE GIVEN NOTICE. NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR (i) REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, (ii) VERIFYING IF ANY CONFLICTS EXIST WITH THE PROPOSED WORKED AND UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS; (iii) COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION, AND (iv) THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERETO RESULTING FROM THE WORK AT HIS EXPENSE.

6. ALL UTILITIES TO BE RELOCATED BY OTHERS.
7. FULL DEPTH SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.
8. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
9. ALL AREAS DISTURBED BEYOND THE CONSTRUCTION LIMITS FOR ANY REASON SHALL BE SEEDED WITH CLASS 2 SEEDING, AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE. THESE AREAS WILL NOT BE MEASURED FOR PAYMENT.
10. THE THICKNESS OF HMA MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OF BASE ON WHICH THE HMA MIXTURE IS PLACED.
11. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

**GENERAL NOTES (CONT.)**

12. APPLICATION RATES FOR VARIOUS PAVING ITEMS ARE AS FOLLOWS:  
 HOT MIX ASPHALT: 0.00038 TON/SY PAVED SURFACES  
 BITUMINOUS MATERIALS (PRIME COAT) 0.0019 TON/SY AGGREGATE SURFACES  
 4.0 LBS/SY  
 AGGREGATE (PRIME COAT) 112 LBS/SY\*IN  
 LEVELING BINDER AND HOT-MIX ASPHALT SURFACE COURSE  
 AGGREGATES:  
 AGGREGATE (SURFACE, BASE, SUBBASE, OR BACKFILL) 2.05 TONS/CY  
 SEEDING AREAS:  
 NITROGEN FERTILIZER NUTRIENT 90 LBS/ACRE  
 PHOSPHORUS FERTILIZER NUTRIENT 90 LBS/ACRE  
 POTASSIUM FERTILIZER NUTRIENT 90 LBS/ACRE  
 AGRICULTURAL GROUND LIMESTONE 2 TON/ACRE  
 MULCH 1 TON/ACRE
13. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS/HER OPERATIONS.
14. PRIOR TO RESURFACING ACTIVITIES, THE CONTRACTOR AND THE ENGINEER SHALL VERIFY AND DOCUMENT THE EXISTING MINIMUM VERTICAL CLEARANCE AT ALL OVERHEAD STRUCTURES. IF NECESSARY, THE ENGINEER WILL MAKE ADJUSTMENTS TO THE RESURFACING THICKNESS SHOWN ON THE PLANS. UPON COMPLETION OF THE RESURFACING, THE ENGINEER WILL MEASURE AND DOCUMENT THE MINIMUM VERTICAL CLEARANCE AT ALL OVERHEAD STRUCTURES. IF THE MINIMUM VERTICAL CLEARANCE IS LESS THAN 16'-0", THE CONTRACTOR SHALL REMOVE AND REPLACE THE BITUMINOUS CONCRETE SURFACE COURSE AS DIRECTED BY THE ENGINEER. THE COST OF THE WORK OR ANY INCONVENIENCE CAUSED BY COMPLYING WITH THIS REQUIREMENT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST FOR RESURFACING PAY ITEMS IN THIS CONTRACT.
15. THE CONTRACTOR SHALL MAINTAIN ACCESS CONTROL AT ALL TIMES DURING CONSTRUCTION.
16. ALL SIGNS AND DELINEATORS CONFLICTING WITH TRAFFIC CONTROL OR CONSTRUCTION SHALL BE REMOVED AND REPLACED BY THE CONTRACTORS. THIS WORK WILL BE INCLUDED WITH THE COST FOR TRAFFIC CONTROL ON THE PROJECT. IN ADDITION, THE COST TO RELOCATE SIGNS DESIGNATED ON THE PLAN SHEETS WILL ALSO BE INCIDENTAL TO THE TRAFFIC CONTROL FOR THOSE AREAS.
17. THE CONTRACTOR SHALL CONSTRUCT CROSSOVER ROADWAYS "B" AND "C" IN THEIR ENTIRETY PRIOR TO CONSTRUCTION OF CROSSOVER ROADWAYS "A" AND "D". CROSSOVER ROADWAYS "A" AND "D" SHALL BE FIELD ADJUSTED TO MATCH CROSSOVER ROADWAYS "B" AND "C" AT THE PROPOSED INTERSECTION IF NECESSARY. ANY FIELD ADJUSTMENTS TO THE PROPOSED PROFILE SHALL BE APPROVED BY THE ENGINEER.

**COMMITMENTS**

1. THE RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGES.

**SEQUENCE OF CONSTRUCTION:**

1. REMOVE AND REPLACE OUTSIDE SHOULDERS AND INSTALL GUARDRAIL OUTSIDE OF DIP CORRECTION.
2. COMPLETE DIP CORRECTION RESURFACING OF OUTSIDE LANE AND SHOULDERS, PLACE AGGREGATE SHOULDERS, AND RE-INSTALL GUARDRAIL.
3. COMPLETE DIP CORRECTION IN MEDIAN LANE AND SHOULDERS, PLACE INLETS AND STORM SEWERS, CONSTRUCT CROSSOVERS, COMPLETE GRADING, AND PLACE GUARDRAIL IN MEDIAN.
4. COMPLETE TEMPORARY LIGHTING SYSTEM.

<b>DISTRICT SIX</b>	
EXAMINED <u>MAY 31</u> 20 <u>11</u> <i>Chris Walker</i>	
<b>OPERATIONS ENGINEER</b>	
EXAMINED <u>MAY 26</u> 20 <u>11</u> <i>Tommy Ford</i>	
<b>PROJECT IMPLEMENTATION ENGINEER</b>	
EXAMINED <u>May 25</u> 20 <u>11</u> <i>ARILLI</i>	
<b>PROGRAM DEVELOPMENT ENGINEER</b>	

**MIXTURE REQUIREMENTS**

LOCATIONS	I-72 MEDIAN CROSSOVERS, SHOULDERS LOWER LIFTS	I-72 MEDIAN CROSSOVERS, SHOULDERS UPPER LIFTS	I-72 MAINLINE BINDER/SURFACE, AND CROSSOVER SURFACE COURSE	
MIXTURE USE(S):	HMA BASE COURSE, 10 1/2", 11", 12 1/2"	HMA BASE COURSE, 10 1/2", 11", 12 1/2"	HMA SURFACE COURSE, 1 1/2"	HMA BINDER, VARIABLE DEPTH
PG:	SBS PG 64-22	SBS PG 70-22	SBS PG 70-22	SBS PG 70-22
DESIGN AIR VOIDS:	4.0% @ N90	4.0% @ N90	4.0% @ N90	4.0% @ N90
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 19.0	IL 19.0	IL 9.5 OR 12.5	IL 19.0
FRICTION AGGREGATE:	N/A	N/A	MIX D	N/A

USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 2.0000' / IN.	DRAWN - BDM	REVISED -						1-72	(84-10-11)-7	SANGAMON	41	2
PLOT DATE = 6/5/2011	CHECKED - JSA	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 72E51			
	DATE - 7/15/09	REVISED -		ILLINOIS FED. AID PROJECT								

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE
				RDWY QUANTITY 0005
20200100	EARTH EXCAVATION	CU YD	603	603
20400800	FURNISHED EXCAVATION	CU YD	3,689	3,689
25000200	SEEDING, CLASS 2	ACRE	2.5	2.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	225	225
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	225	225
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	225	225
25000700	AGRICULTURAL GROUND LIMESTONE	TON	5.0	5.0
25100115	MULCH, METHOD 2	ACRE	2.5	2.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	250	250
28000500	INLET AND PIPE PROTECTION	EACH	8	8
31100500	SUB-BASE GRANULAR MATERIAL, TYPE A, 6"	SQ YD	6,514	6,514
35501326	HOT MIX ASPHALT BASE COURSE, 10 1/2"	SQ YD	5,352	5,352
35501328	HOT-MIX ASPHALT BASE COURSE, 11"	SQ YD	1,391	1,391
35501334	HOT-MIX ASPHALT BASE COURSE, 12 1/2"	SQ YD	1,434	1,434
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	13.4	13.4
40600895	CONSTRUCTING TEST STRIP	EACH	2	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	476	476
40600990	TEMPORARY RAMP	SQ YD	356	356
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	1,624	1,624
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	909	909
44004250	PAVED SHOULDER REMOVAL	SQ YD	4,599	4,599
48101200	AGGREGATE SHOULDERS, TYPE B	TON	872	872
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18"	EACH	2	2
550A0090	STORM SEWERS, CLASS A, TYPE 1, 18"	FOOT	1,004	1,004
* 60108200	PIPE UNDERDRAINS, 6" (SPECIAL)	FOOT	132	132
60240366	INLETS, TYPE B, WITH MEDIAN INLET (604106)	EACH	4	4

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE
				RDWY QUANTITY 0005
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS	FOOT	450.0	450.0
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) TANGENT	EACH	2	2
63200310	GUARDRAIL REMOVAL	FOOT	300.0	300.0
* 63301000	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL	FOOT	725.0	725.0
63301990	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	3	3
63302700	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	3	3
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20	20
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	8	8
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	856	856
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	282	282
* 78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5"	FOOT	238	238
* 78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	23	23
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	8	8
* 78201000	TERMINAL MARKER-DIRECT APPLIED	EACH	2	2
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,178	1,178
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	23	23
* X0325299	INLET MODIFICATION	EACH	2	2
* X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1
* X7800620	URETHANE PAVEMENT MARKING - LINE 5"	FOOT	5,052	5,052
* X8410102	TEMPORARY LIGHTING SYSTEM	L SUM	1	1

**\*SPECIALTY ITEM**

USER NAME : sparksgv	DESIGNED -	REVISED -	<p align="center"><b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>SUMMARY OF QUANTITIES</b></p>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE : 2.0000' / in.	DRAWN - BDM	REVISED -					1-72	(84-10-1)I-7	SANGAMON	41	3
PLOT DATE : Jun-08-2011 09:36:22AM	CHECKED - JSA	REVISED -					CONTRACT NO. 72E51				
DATE - 7/15/09	REVISED -	SCALE:					SHEET NO.	OF	SHEETS	STA.	TO STA.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE
				RDWY QUANTITY <b>0005</b>
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
* Z0076870	UNDERDRAIN CONNECTION TO STRUCTURE	EACH	2	2

USER NAME = sparksgv	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - BDM	REVISED -
PLOT DATE = Jun-08-2011 09:38:35AM	CHECKED - JSA	REVISED -
	DATE - 7/15/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-72	(84-10-1)-7	SANGAMON	41	4
CONTRACT NO. 72E51				
ILLINOIS FED. AID PROJECT				

PAVING SCHEDULE															
LOCATION	STATION	TO	STATION		BITUMINOUS MATERIALS (PRIME COAT)	SUB BASE GRANULAR MATERIAL, TYPE A, 6"	HOT MIX ASPHALT BASE COURSE, 10 1/2"	HOT MIX ASPHALT BASE COURSE, 11"	HOT MIX ASPHALT BASE COURSE, 12 1/2"	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	AGGREGATE SHOULDERS, TYPE B	TEMPORARY RAMP	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKERS
					(TON)	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)	(TON)	(TON)	(TON)	(SQ YD)	(EACH)	(EACH)
<b>ROADWAY "A"</b>															
	100+00	TO	103+08		1.0	532	450				38				
	103+08	TO	105+54		1.3	683	547				46				
	105+54	TO	193+21	I-72	1.2	617	506				43	68			
<b>ROADWAY "B"</b>															
	200+00	TO	203+08		1.0	532	450				38	68			
	203+08	TO	204+04		0.5	267	213				18				
	204+57	TO	205+54		0.5	209	216				18				
	205+54	TO	208+62		1.0	531	446				37				
<b>ROADWAY "C"</b>															
	300+00	TO	302+68		0.9	463	389				33				
	302+68	TO	304+83		1.1	597	478				40				
	304+83	TO	201+59	I-72	1.0	551	450				38	68			
<b>ROADWAY "D"</b>															
	400+00	TO	402+68		1.0	542	445				37	68			
	402+68	TO	403+52		0.4	233	187				16				
	403+99	TO	404+83		0.4	233	187				16				
	404+83	TO	407+52		0.9	463	389				33				
<b>I-72 WB MAINLINE</b>															
	201+57	TO	206+00		0.4					535	99		178	11	11
<b>I-72 WB OUTSIDE SHLDR</b>															
	185+47	TO	193+27							867	73				
	201+74	TO	206+85							568	240	180			
<b>I-72 WB MEDIAN SHLDR</b>															
	205+21	TO	206+00		0.02					7	4				
<b>I-72 EB MAINLINE</b>															
	201+51	TO	206+50		0.5					567	112		178	12	12
<b>I-72 EB OUTSIDE SHLDR</b>															
	187+97	TO	193+05						564		47				
	201+53	TO	208+97						827		69	420			
<b>I-72 EB MEDIAN SHLDR</b>															
	205+22	TO	206+50		0.03					12	7				
<b>TOTALS</b>															
					13.4	6,514	5,352	1,391	1,434	1,624	909	872	356	23	23

DRAINAGE SCHEDULE							
LOCATION		STORM SEWERS, CLASS A, TYPE 1, 18"	INLETS, TYPE B, W/MED INLET	INLET MODIFICATION	PRECAST REINFORCED CONC. FLARED END SEC., 18"	PIPE UNDERDRAINS 6" (SPECIAL)	UNDERDRAIN CONNECTION TO STRUCTURE
STA.	STA.	(FOOT)	(EACH)	(EACH)	(EACH)	(FOOT)	(EACH)
<b>WEST CROSSOVER</b>							
185+03	CL			1			
185+03	CL to	188+03	RT	300			
187+50	RT to	188+03	RT			50	
187+50	LT to	188+03	LT			50	
188+03	RT						1
188+03	LT			1			1
188+03	LT to	188+03	RT	45			
188+03	RT to	190+50		248			
190+50	CL				1		
<b>EAST CROSSOVER</b>							
204+00	CL				1		
204+00	CL to	206+26	RT	226			
206+26	RT						
206+26	LT				1		
206+26	LT to	206+26	RT	41			
207+70	RT					16	
207+70	LT					16	
206+26	RT to	207+67	CL	144			
207+67	CL				1		
<b>TOTALS=</b>				<b>1004</b>	<b>4</b>	<b>2</b>	<b>2</b>

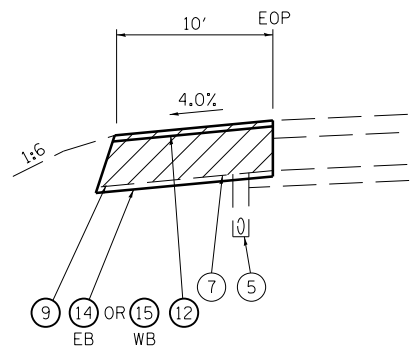
PAVEMENT MARKING SCHEDULE							
LOCATION		PREFORMED PLASTIC PAVEMENT MARKING, TYPE B INLAID-LINE 5"	URETHANE PAINT MARKING - LINE 5" (YELLOW)	URETHANE PAINT MARKING - LINE 5" (WHITE)	PAVEMENT MARKING REMOVAL	SHORT TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL
STA.	TO	STA.	(FOOT)	(FOOT)	(SQ FT)	(FOOT)	(SQ FT)
<b>I-72 WB</b>							
183+75	TO	187+34	RT	359	151		
188+72	TO	193+21	RT	449	189		
188+85	TO	193+27	LT		442	186	
201+57	TO	206+00	LT		443	133	44
201+57	TO	206+00	CL	111		133	44
201+57	TO	206+00	RT	443		133	44
206+77	TO	209+97	RT	320	134		
<b>I-72 EB</b>							
183+75	TO	187+34	LT	359	151		
188+72	TO	193+12	LT	440	185		
188+70	TO	193+05			435	183	
201+42	TO	209+96	LT	854		152	50
201+42	TO	206+50	CL	127		152	50
201+42	TO	206+50	RT		508	152	50
<b>TOTALS=</b>				<b>238</b>	<b>3,224</b>	<b>1,828</b>	<b>282</b>

REMOVAL SCHEDULE					
LOCATION	STA.	TO	STA.	PAVED SHOULDER REMOVAL (SQ YD)	HMA SURFACE REMOVAL-BUTT JOINT (SQ YD)
<b>I-72 WB OUTSIDE SHOULDER</b>					
	185+47	to	193+27	867	
	201+74	to	206+85	568	
<b>I-72 WB MEDIAN SHOULDER</b>					
	183+75	to	186+84	206	
	189+22	to	193+21	266	
	201+69	to	205+21	235	
	207+27	to	209+97	180	
<b>I-72 EB OUTSIDE SHOULDER</b>					
	187+97	to	193+05	564	
	201+53	to	208+97	827	
<b>I-72 EB MEDIAN SHOULDER</b>					
	183+75	to	186+84	206	
	189+22	to	193+12	260	
	201+59	to	205+22	242	
	207+28	to	209+96	179	
<b>I-72 WB MAINLINE</b>					
	201+57	to	201+69		53
	205+39	to	206+00		271
<b>I-72 EB MAINLINE</b>					
	201+51	to	201+64		58
	206+29	to	206+50		93
<b>TOTALS=</b>				<b>4,599</b>	<b>476</b>

EARTHWORK SCHEDULE				
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTMENT FOR SHRINKAGE	EMBANKMENT (FILL)	EARTH BALANCE WASTE (+) OR SHORTAGE (-) (FURNISHED EXCAVATION)
	CU YD	CU YD	CU YD	CU YD
<b>WB I-72</b>				
183+50.00	to	193+24.00	165	124
201+72.00	to	210+50.00	105	79
<b>EB I-72</b>				
183+50.00	to	193+10.00	224	168
201+55.00	to	210+50.00	109	82
<b>TOTAL=</b>			<b>603</b>	<b>4,141</b>
EARTH EMBANKMENT SHRINKAGE FACTOR = 25%				

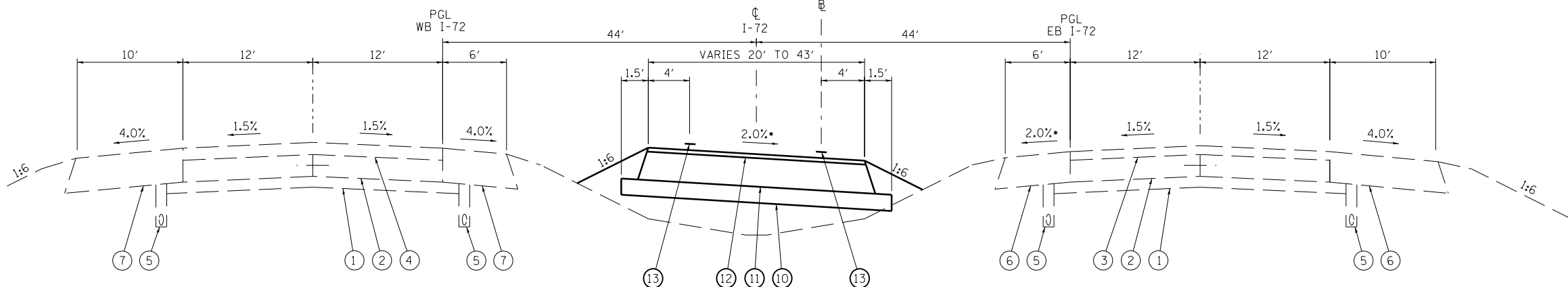
GUARDRAIL SCHEDULE									
LOCATION	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TERMINAL MARKERS-DIRECT APPLIED	GUARDRAIL MARKERS, TYPE A	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINALS, TYPE 6	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINALS, TYPE 1	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL	GUARDRAIL REMOVAL
STA.	STA.	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)	(FOOT)
<b>I-72 WB</b>									
190+41	to	193+21	RT	225	1	1			
201+69	to	204+48	RT				1	225	150
201+74	to	205+04	LT				1	275	
<b>I-72 EB</b>									
190+31	to	193+12	LT						
201+59	to	204+39	LT	225	1	1		225	150
<b>TOTALS=</b>				<b>450</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>725</b>	<b>300</b>

USER NAME = spksgw	DESIGNED -	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>SCHEDULE OF QUANTITIES</b></p>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 2.0000' / in.	DRAWN - BDM	REVISED -					I-72	(84-10-111-7)	SANGAMON	41	5
PLOT DATE = Jun-08-2011 09:43:14AM	CHECKED - JSA	REVISED -					CONTRACT NO. 72E51				
	DATE - 7/15/09	REVISED -					ILLINOIS FED. AID PROJECT				
FILE NAME = c:\pwork\pwork\spksgw\027141\0672E51-sh-t-SCHEDULE.dgn			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				



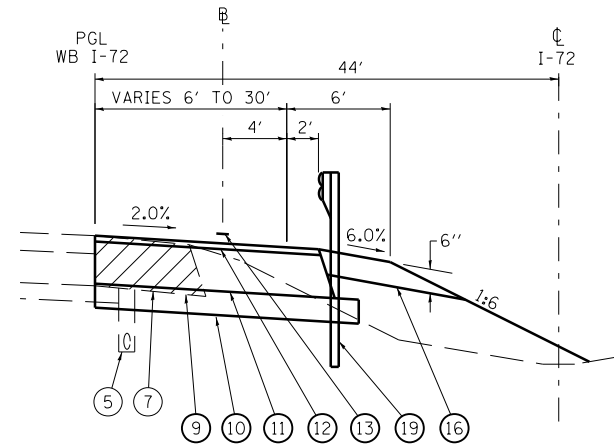
**OUTSIDE SHOULDER REM & REPL**

STA. 187+97.00 TO STA. 193+05.00 EB  
 STA. 206+50.00 TO STA. 208+97.00 EB  
 STA. 185+47.00 TO STA. 193+27.00 WB  
 STA. 206+00.00 TO STA. 206+85.00 WB



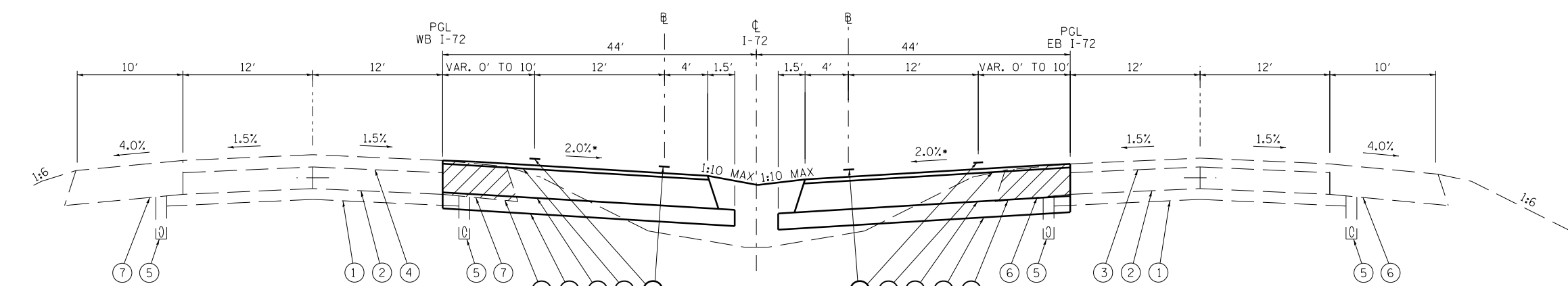
**TYPICAL SECTION AT CROSSOVER**

STA. 187+50.79 TO STA. 188+55.21  
 STA. 206+00.00 TO STA. 206+70.78 WB  
 STA. 206+50.00 TO STA. 206+70.78 EB



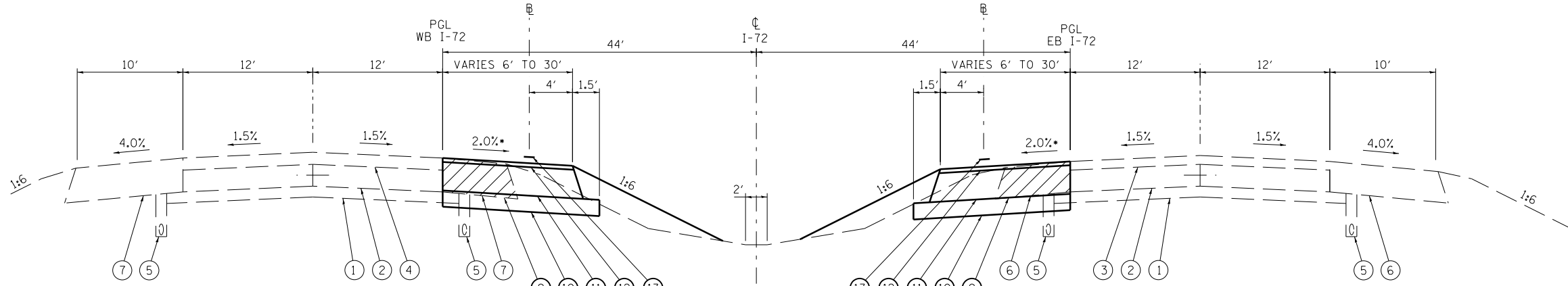
**SECTION W/GUARDRAIL**

STA. 190+31.00 TO STA. 193+12.00 EB  
 STA. 190+41.00 TO STA. 193+21.00 WB  
 STA. 201+59.00 TO STA. 204+26.00 EB  
 STA. 201+69.00 TO STA. 204+48.00 WB



**TYPICAL SECTION AT CROSSOVER**

STA. 186+59.53 TO STA. 187+50.79  
 STA. 188+55.21 TO STA. 189+46.47  
 STA. 206+70.78 TO STA. 207+49.34



**TYPICAL SECTION AT CROSSOVER**

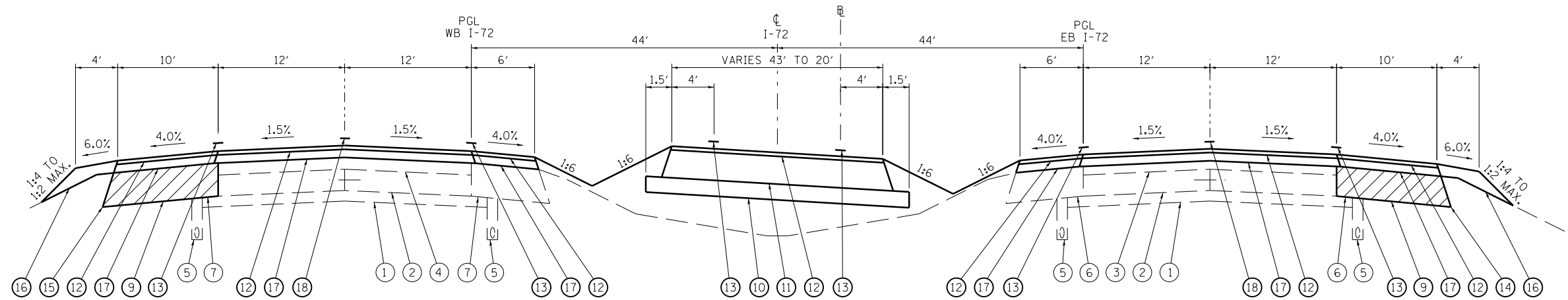
STA. 183+25.00 TO STA. 186+59.53  
 STA. 189+46.47 TO STA. 192+34.98 WB  
 STA. 189+46.47 TO STA. 192+22.30 EB  
 STA. 207+49.34 TO STA. 209+97.15

**LEGEND**

- ① EXISTING STABILIZED SUBBASE, 4"
- ② EXISTING CRCP PAVEMENT, 8"
- ③ EXISTING HMA RESURFACING, 3/4"
- ④ EXISTING HMA RESURFACING, 4/2"
- ⑤ EXISTING UNDERDRAIN
- ⑥ EXISTING HMA SHOULDER, 11/4"
- ⑦ EXISTING HMA SHOULDER, 12/2"
- ⑧ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑨ PROPOSED PAVED SHOULDER REMOVAL
- ⑩ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 6"
- ⑪ PROPOSED HOT-MIX ASPHALT BASE COURSE, 10 1/2"
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90, 1 1/2"
- ⑬ PROPOSED URETHANE PAVEMENT MARKING, LINE 5"
- ⑭ PROPOSED HOT-MIX ASPHALT BASE COURSE, 11"
- ⑮ PROPOSED HOT-MIX ASPHALT BASE COURSE, 12 1/2"
- ⑯ AGGREGATE SHOULDERS, TYPE B
- ⑰ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, VAR. DEPTH
- ⑱ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID), LINE 5"
- ⑲ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- ⑳ PROPOSED REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL

NOT TO SCALE

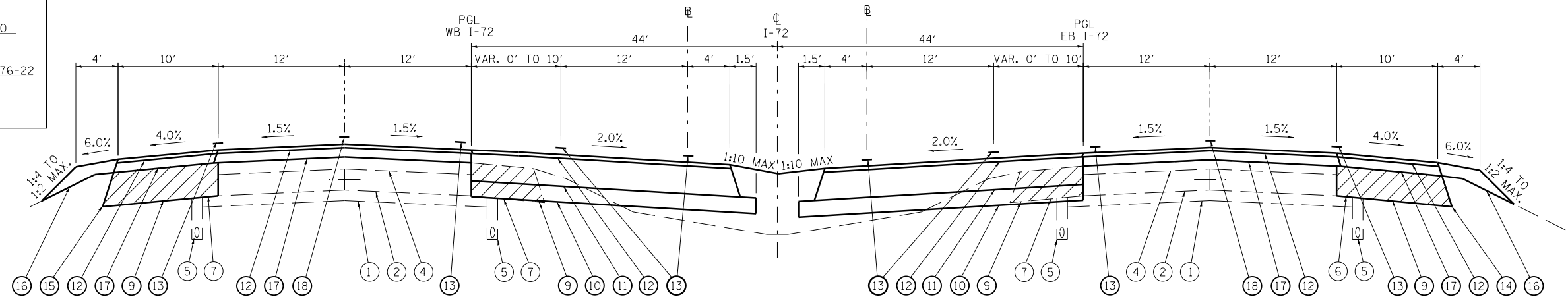
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	DRAWN - BDM	REVISED -					I-72	(84-10-11-7)	SANGAMON	41	6
	CHECKED - JSA	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 72E51 ILLINOIS FED. AID PROJECT				
DATE - 7/15/09	REVISED -										



TYPICAL SECTION AT DIP CORRECTION

STA. 205+78.67 TO STA. 206+00.00 WB  
 STA. 205+78.67 TO STA. 206+50.00 EB

STRUCTURAL DESIGN TRAFFIC: YEAR 2011  
 PV= 1200 SU= 930 MU= 1970  
 ROAD/STREET CLASSIFICATION: CLASS INTERSTATE  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P= 78 S= 7 M= 15  
 TRAFFIC FACTOR: ACTUAL TF= 1.71 AC TYPE= AC20  
 MINIMUM TF= 0.50  
 PG GRADE: BINDER= SBS PG 76-22 SURFACE= SBS PG 76-22  
 SUBGRADE SUPPORT RATING:  
 SSR= P00R (STA. 182+25 TO 210+00)

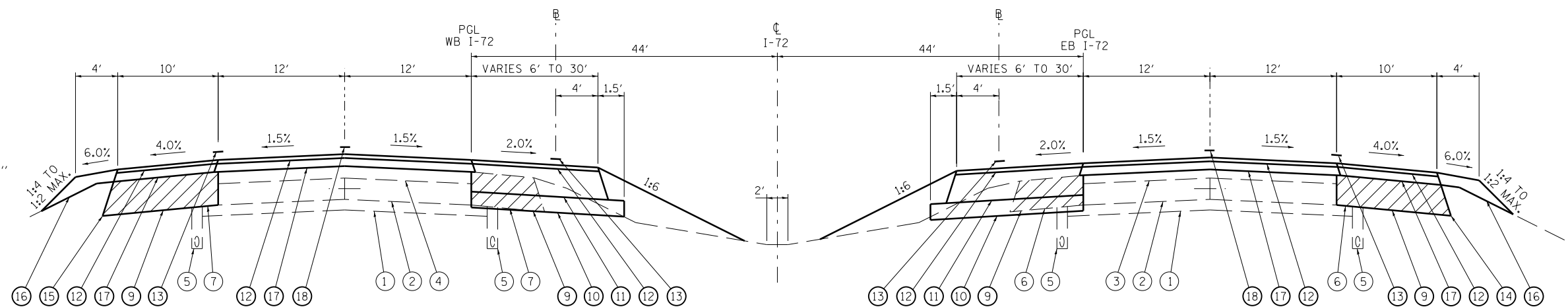


TYPICAL SECTION AT DIP CORRECTION

STA. 205+00.44 TO STA. 205+78.67

LEGEND

- ① EXISTING STABILIZED SUBBASE, 4"
- ② EXISTING CRCP PAVEMENT, 8"
- ③ EXISTING HMA RESURFACING, 3/4"
- ④ EXISTING HMA RESURFACING, 4/2"
- ⑤ EXISTING UNDERDRAIN
- ⑥ EXISTING HMA SHOULDER, 11 1/4"
- ⑦ EXISTING HMA SHOULDER, 12 1/2"
- ⑧ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑨ PROPOSED PAVED SHOULDER REMOVAL
- ⑩ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 6"
- ⑪ PROPOSED HOT-MIX ASPHALT BASE COURSE, 10 1/2"
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90, 1 1/2"
- ⑬ PROPOSED URETHANE PAVEMENT MARKING, LINE 5"
- ⑭ PROPOSED HOT-MIX ASPHALT BASE COURSE, 11"
- ⑮ PROPOSED HOT-MIX ASPHALT BASE COURSE, 12 1/2"
- ⑯ AGGREGATE SHOULDERS, TYPE B
- ⑰ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, VAR. DEPTH
- ⑱ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID), LINE 5"
- ⑲ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- ⑳ PROPOSED REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL



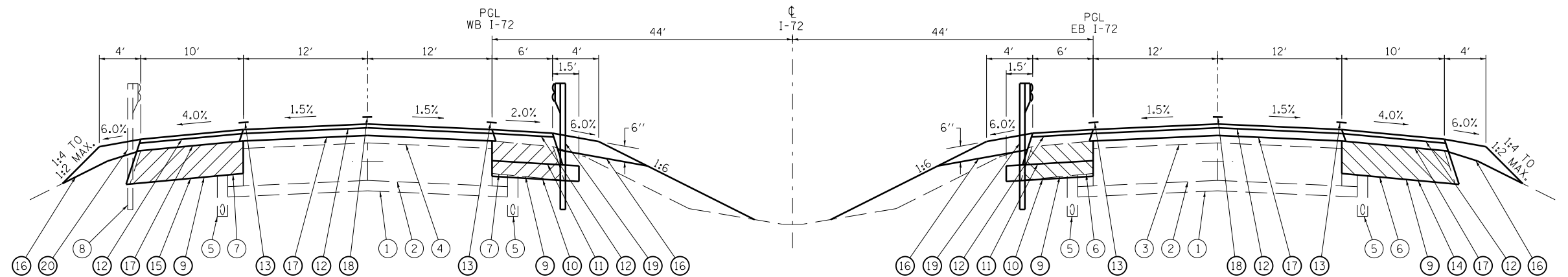
TYPICAL SECTION AT DIP CORRECTION

STA. 202+59.29 TO STA. 205+00.44 WB  
 STA. 202+43.85 TO STA. 205+00.44 EB

NOT TO SCALE

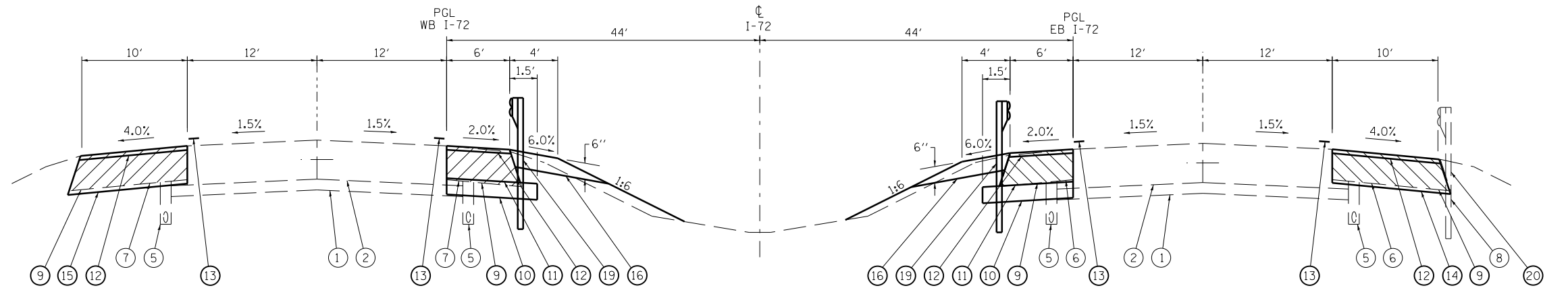
USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 12.0000' / in.	DRAWN - BDM	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	1-72	(84-10-111-7)	SANGAMON	41	7
PLOT DATE = Jun-08-2011 09:43:29AM	CHECKED - JSA	REVISED -					CONTRACT NO. 72E51			ILLINOIS FED. AID PROJECT			
DATE = 7/15/09	DATE = 7/15/09	REVISED -											





TYPICAL SECTION AT APPROACH PVT.

STA. 201+59.29 TO STA. 202+59.29 WB  
 STA. 201+43.85 TO STA. 202+43.85 EB



TYPICAL SECTION AT APPROACH PVT.

STA. 192+34.98 TO STA. 193+34.98 WB  
 STA. 192+22.30 TO STA. 193+22.30 EB

LEGEND

- ① EXISTING STABILIZED SUBBASE, 4"
- ② EXISTING CRCP PAVEMENT, 8"
- ③ EXISTING HMA RESURFACING, 3/4"
- ④ EXISTING HMA RESURFACING, 4/2"
- ⑤ EXISTING UNDERDRAIN
- ⑥ EXISTING HMA SHOULDER, 11 1/4"
- ⑦ EXISTING HMA SHOULDER, 12 1/2"
- ⑧ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑨ PROPOSED PAVED SHOULDER REMOVAL
- ⑩ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 6"
- ⑪ PROPOSED HOT-MIX ASPHALT BASE COURSE, 10 1/2"
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90, 1 1/2"
- ⑬ PROPOSED URETHANE PAVEMENT MARKING, LINE 5"
- ⑭ PROPOSED HOT-MIX ASPHALT BASE COURSE, 11"
- ⑮ PROPOSED HOT-MIX ASPHALT BASE COURSE, 12 1/2"
- ⑯ AGGREGATE SHOULDERS, TYPE B
- ⑰ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, VAR. DEPTH
- ⑱ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID), LINE 5"
- ⑲ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- ⑳ PROPOSED REMOVE AND RE-ERECT STELL PLATE BEAM GUARDRAIL

NOT TO SCALE

USER NAME = sparksgw PLOT SCALE = 12.0000' / in. PLOT DATE = Jun-08-2011 09:43:30AM	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - BDM	REVISED -					I-72	(84-10-1)I-7	SANGAMON	41	8
CHECKED - JSA DATE - 7/15/09	REVISED -	REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 72E51			



HORIZONTAL CURVE DATA  
 CL FAI 72 EXIST. CURVE C1  
 PI STA. = 222+56.58  
 $\Delta = 42^\circ 41' 52''$  (RT)  
 $D = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 1,119.75'$   
 $L = 2,134.89'$   
 $E = 211.06'$   
 P.C. STA. = 211+36.83  
 P.T. STA. = 232+71.72

HORIZONTAL CURVE DATA  
 CL ROADWAY "A" CURVE C2  
 PI STA. = 101+96.04  
 $\Delta = 12^\circ 11' 45''$  (LT)  
 $D = 3^\circ 7' 20.59''$   
 $R = 1,835.00'$   
 $T = 196.04'$   
 $L = 390.59'$   
 $E = 10.44'$   
 P.C. STA. = 100+00.00  
 P.T. STA. = 103+90.59

HORIZONTAL CURVE DATA  
 CL ROADWAY "A" CURVE C3  
 PI STA. = 106+68.55  
 $\Delta = 12^\circ 9' 20''$  (RT)  
 $D = 3^\circ 7' 20.59''$   
 $R = 1,835.00'$   
 $T = 195.39'$   
 $L = 389.31'$   
 $E = 10.58'$   
 P.C. STA. = 104+73.16  
 P.T. STA. = 108+62.47

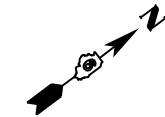
HORIZONTAL CURVE DATA  
 CL ROADWAY "B" CURVE C4  
 PI STA. = 201+92.84  
 $\Delta = 11^\circ 59' 54''$  (RT)  
 $D = 3^\circ 7' 20.59''$   
 $R = 1,835.00'$   
 $T = 192.84'$   
 $L = 384.26'$   
 $E = 10.10'$   
 P.C. STA. = 200+00.00  
 P.T. STA. = 203+84.26

HORIZONTAL CURVE DATA  
 CL ROADWAY "B" CURVE C5  
 PI STA. = 206+67.27  
 $\Delta = 12^\circ 14' 10''$  (LT)  
 $D = 3^\circ 7' 20.59''$   
 $R = 1,835.00'$   
 $T = 196.69'$   
 $L = 391.88'$   
 $E = 10.36'$   
 P.C. STA. = 204+70.58  
 P.T. STA. = 208+62.46

BENCHMARKS

SITE BENCHMARK - BM1  
 CHISLED SQUARE IN TOP  
 OF HEADWALL, SOUTHWESTERLY  
 CORNER OF BRIDGE NO. 084-0152  
 WESTBOUND LANE I-72  
 ELEV. 548.408 (NAVD88)

SITE BENCHMARK - BM2  
 CHISLED SQUARE IN TOP  
 OF HEADWALL, SOUTHEASTERLY  
 CORNER OF BRIDGE NO. 084-0152  
 WESTBOUND LANE I-72  
 ELEV. 548.272 (NAVD88)

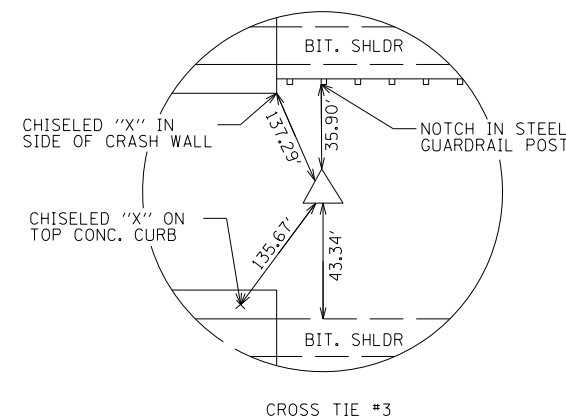
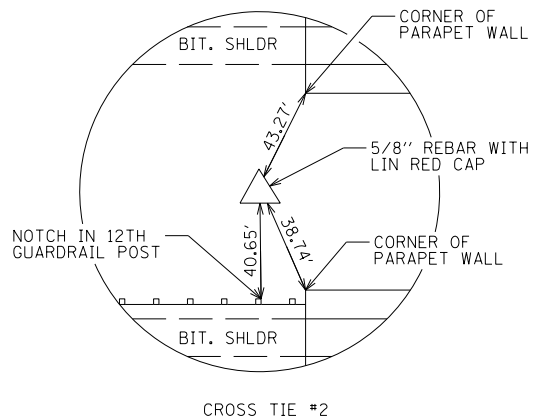
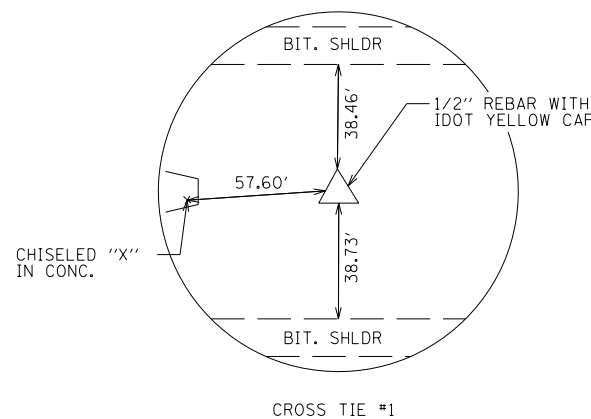
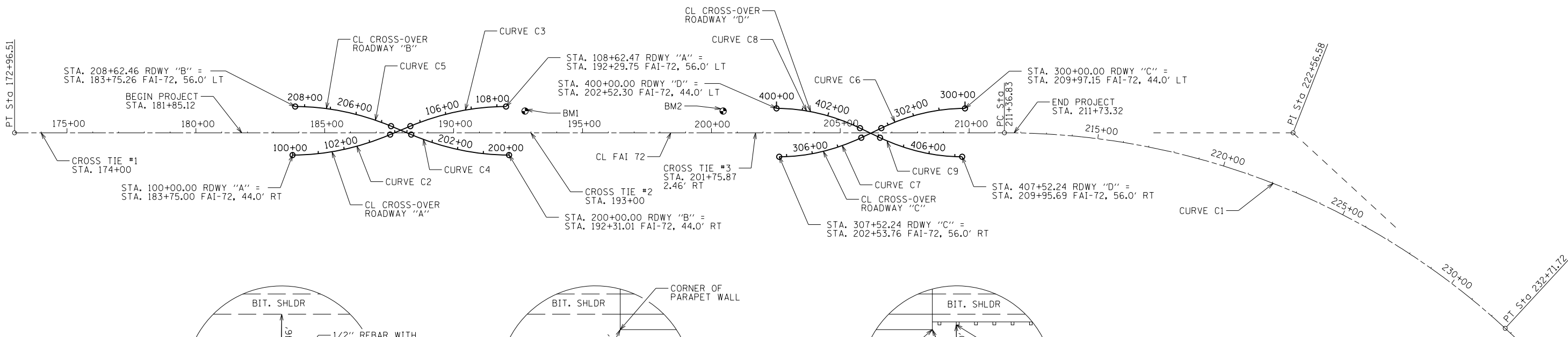


HORIZONTAL CURVE DATA  
 CL ROADWAY "C" CURVE C6  
 PI STA. = 301+68.52  
 $\Delta = 13^\circ 49' 30''$  (LT)  
 $D = 4^\circ 7' 19.19''$   
 $R = 1,390.00'$   
 $T = 168.52'$   
 $L = 335.40'$   
 $E = 10.18'$   
 P.C. STA. = 300+00.00  
 P.T. STA. = 303+35.40

HORIZONTAL CURVE DATA  
 CL ROADWAY "C" CURVE C7  
 PI STA. = 305+86.07  
 $\Delta = 13^\circ 45' 55''$  (RT)  
 $D = 4^\circ 7' 19.19''$   
 $R = 1,390.00'$   
 $T = 167.78'$   
 $L = 333.95'$   
 $E = 10.26'$   
 P.C. STA. = 304+18.29  
 P.T. STA. = 307+52.24

HORIZONTAL CURVE DATA  
 CL ROADWAY "D" CURVE C8  
 PI STA. = 401+68.52  
 $\Delta = 13^\circ 49' 30''$  (RT)  
 $D = 4^\circ 7' 19.19''$   
 $R = 1,390.00'$   
 $T = 168.52'$   
 $L = 335.40'$   
 $E = 10.18'$   
 P.C. STA. = 400+00.00  
 P.T. STA. = 403+35.40

HORIZONTAL CURVE DATA  
 CL ROADWAY "D" CURVE C9  
 PI STA. = 405+86.07  
 $\Delta = 13^\circ 45' 55''$  (LT)  
 $D = 4^\circ 7' 19.19''$   
 $R = 1,390.00'$   
 $T = 167.78'$   
 $L = 333.95'$   
 $E = 10.26'$   
 P.C. STA. = 404+18.29  
 P.T. STA. = 407+52.24



USER NAME = sparksgw	DESIGNED -	REVISED -
	DRAWN - BDM	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - JSA	REVISED -
PLOT DATE = Jun-08-2011 09:43:33AM	DATE - 7/15/09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

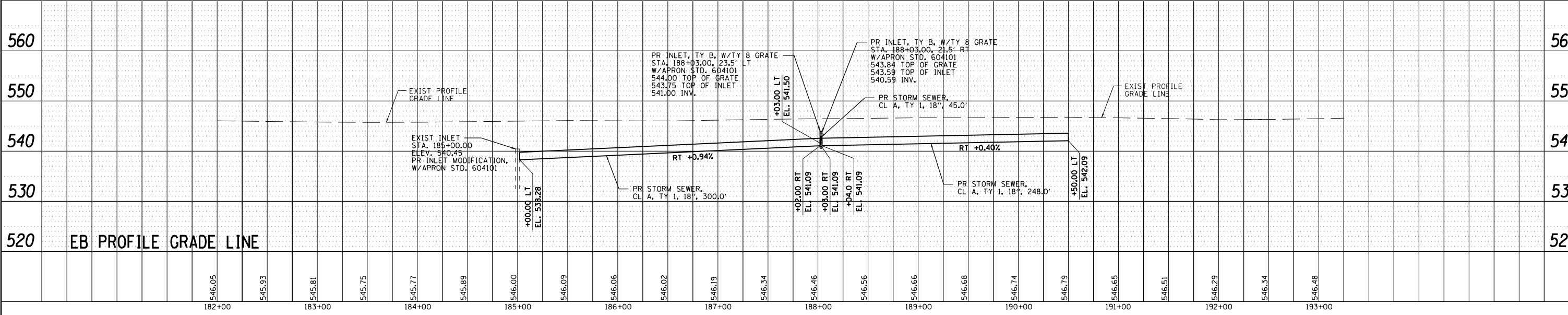
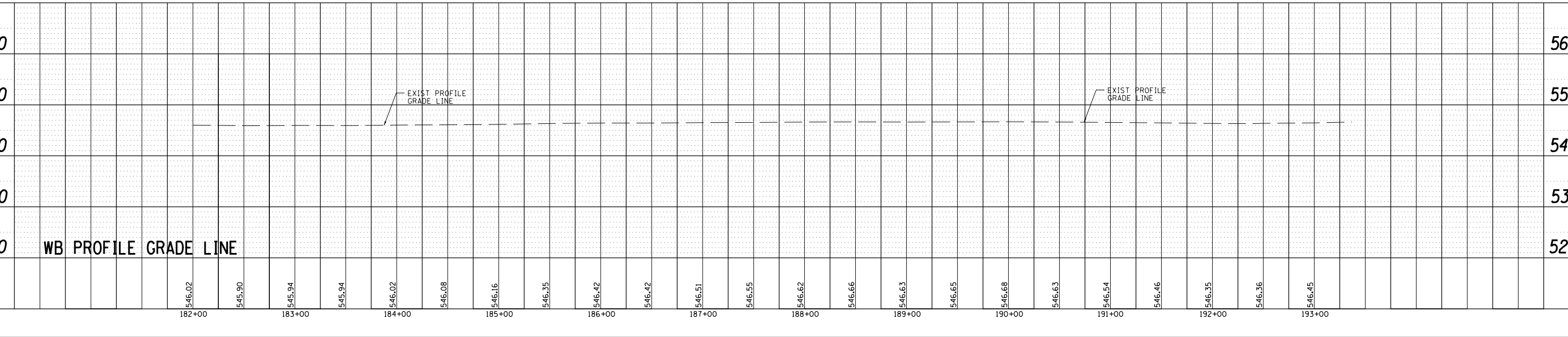
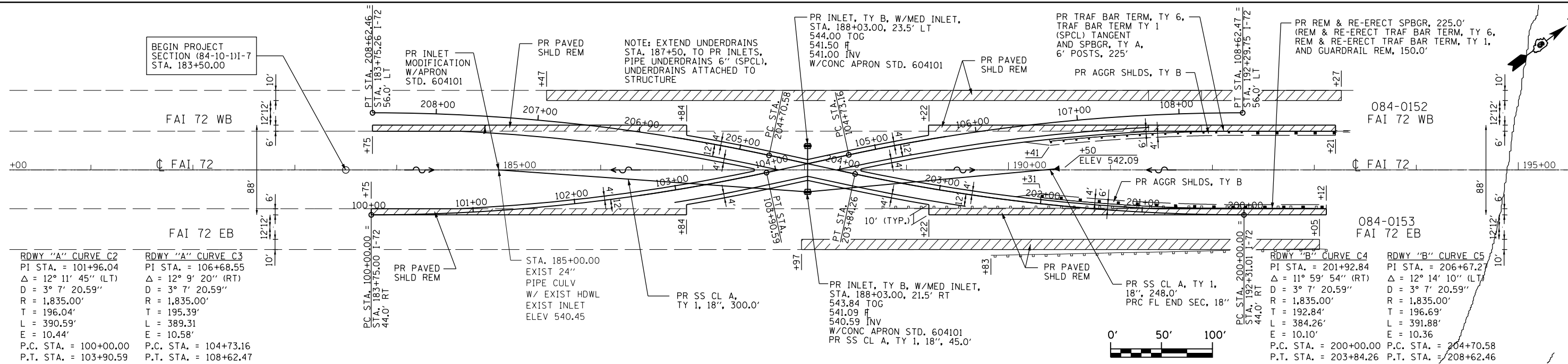
I-72 SANGAMON RIVER BRIDGES  
 ALIGNMENT TIES AND BENCHMARKS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-72	(84-10-1)I-7	SANGAMON	41	9
CONTRACT NO. 72E51				
ILLINOIS FED. AID PROJECT				

DATE	BY
PLAN	SURVEYED
	PLOTTED
	ALIGNMENT CHECKED
	GRADE FILE NAME
	NO.

DATE	BY
PROFILE	SURVEYED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NO.



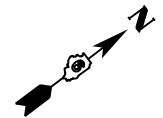
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	DRAWN - BDM	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - JSA	REVISED -
PLOT DATE = Jun-08-2011 09:43:38AM	DATE - 7/15/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE SHEET - WEST STORM SEWER**

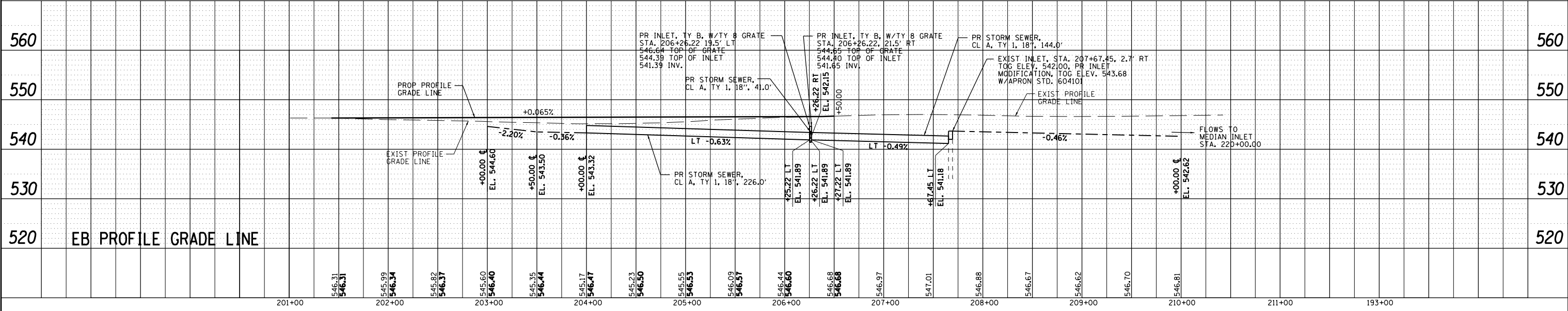
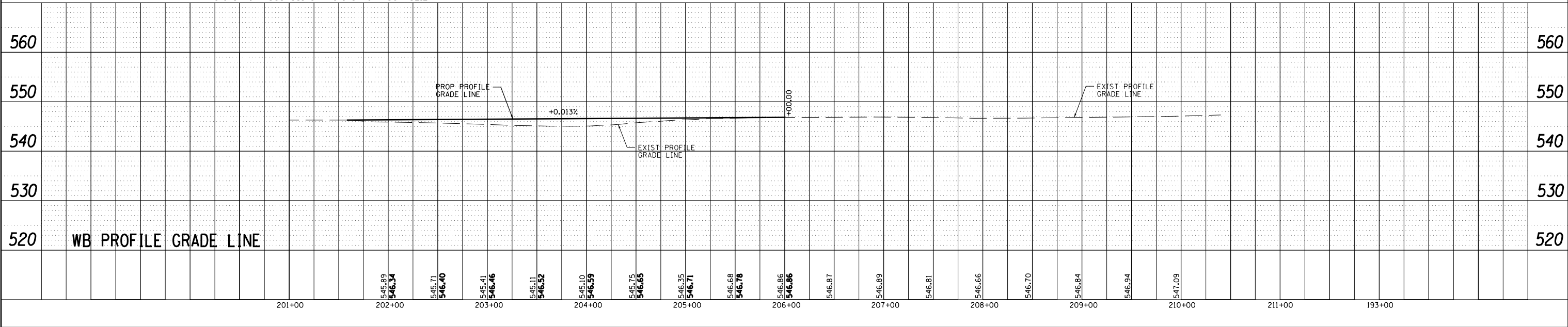
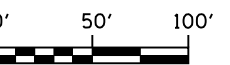
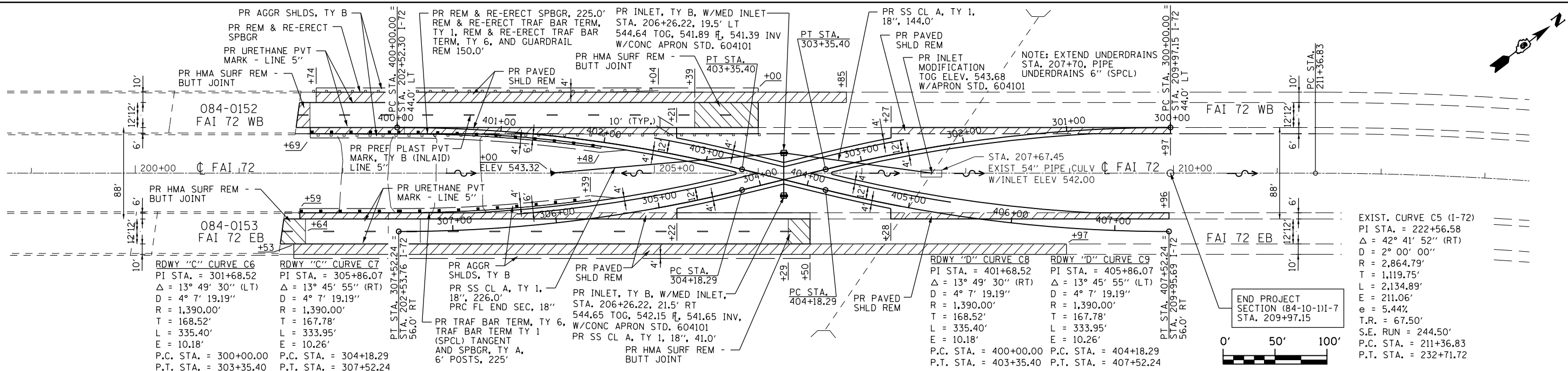
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-72	(84-10-1)-7	SANGAMON	41	10
CONTRACT NO. 72E51				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNED	
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NOTE BOOK	
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GRADES CHECKED	
STRUCTURE	
NOTATIONS	
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NOTE BOOK	
CADD FILE NAME	



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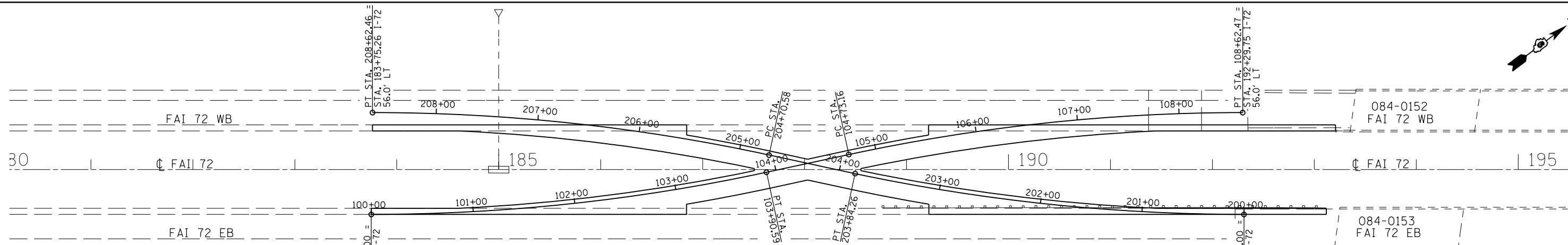
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE SHEET - EAST STORM SEWER**

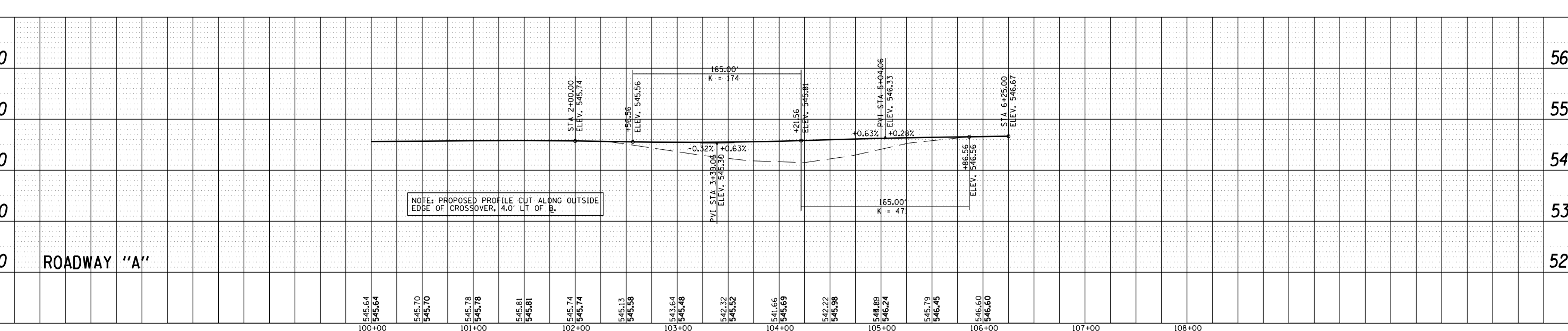
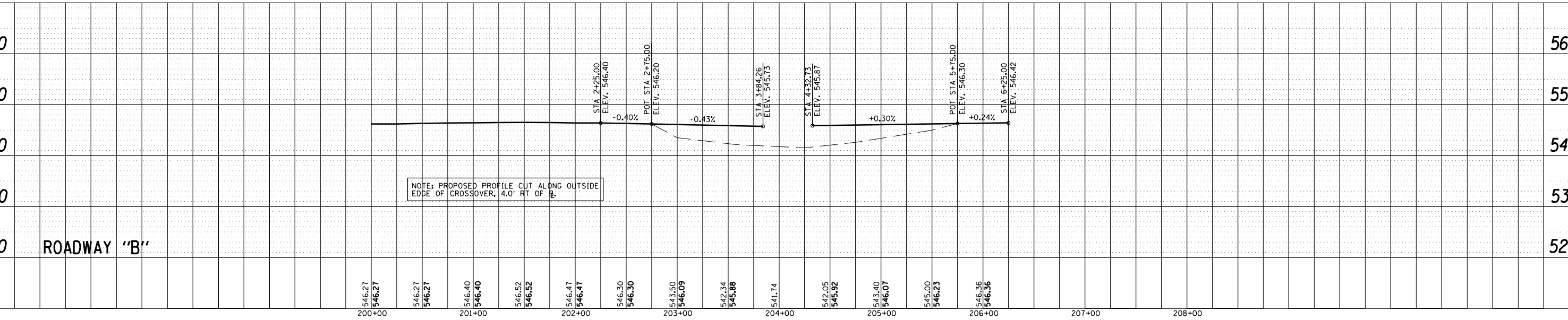
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I-72	(84-10-1)I-7	SANGAMON	41	11
CONTRACT NO. 72E51			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	



RDWY "A" CURVE C2 PI STA. = 101+96.04 $\Delta = 12^\circ 11' 45''$ (LT) D = 3' 7" 20.59" R = 1,835.00' T = 196.04' L = 390.59' E = 10.44' P.C. STA. = 100+00.00 P.T. STA. = 103+90.59	RDWY "A" CURVE C3 PI STA. = 106+68.55 $\Delta = 12^\circ 9' 20''$ (RT) D = 3' 7" 20.59" R = 1,835.00' T = 195.39' L = 389.31 E = 10.58' P.C. STA. = 104+73.16 P.T. STA. = 108+62.47	RDWY "B" CURVE C4 PI STA. = 201+92.84 $\Delta = 11^\circ 59' 54''$ (RT) D = 3' 7" 20.59" R = 1,835.00' T = 192.84' L = 384.26' E = 10.10' P.C. STA. = 200+00.00 P.T. STA. = 203+84.26	RDWY "B" CURVE C5 PI STA. = 206+67.27 $\Delta = 12^\circ 14' 10''$ (LT) D = 3' 7" 20.59" R = 1,835.00' T = 196.69' L = 391.88' E = 10.36' P.C. STA. = 204+70.58 P.T. STA. = 208+62.46
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USER NAME = sparksgw	DESIGNED -	REVISED -
	DRAWN - BDM	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

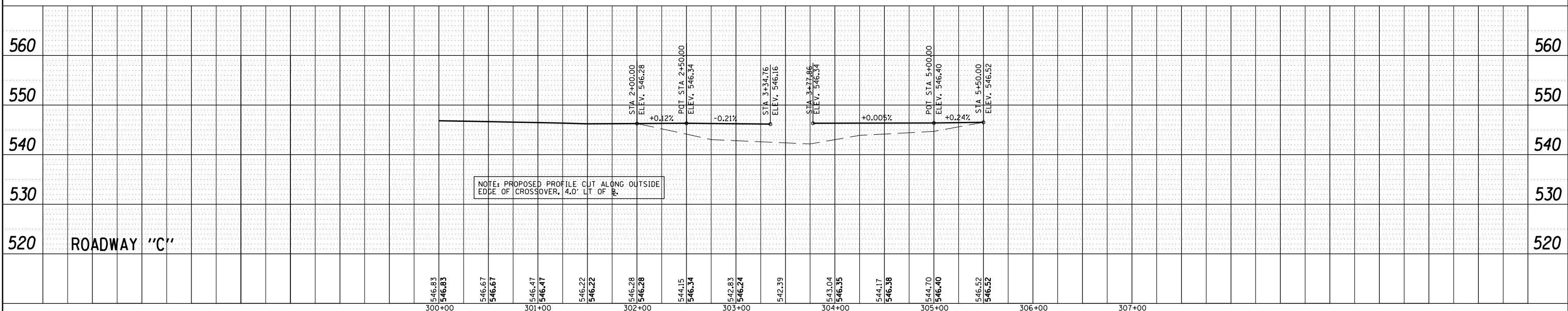
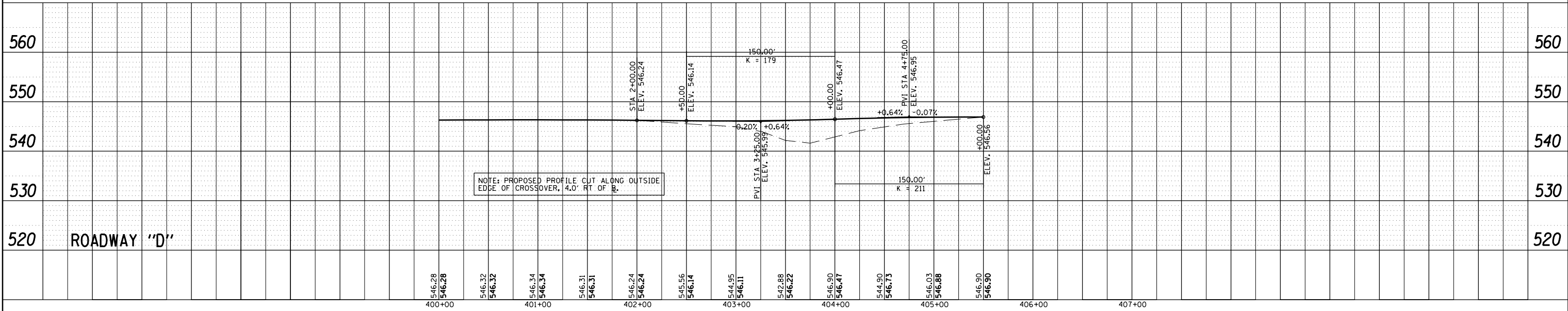
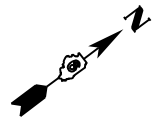
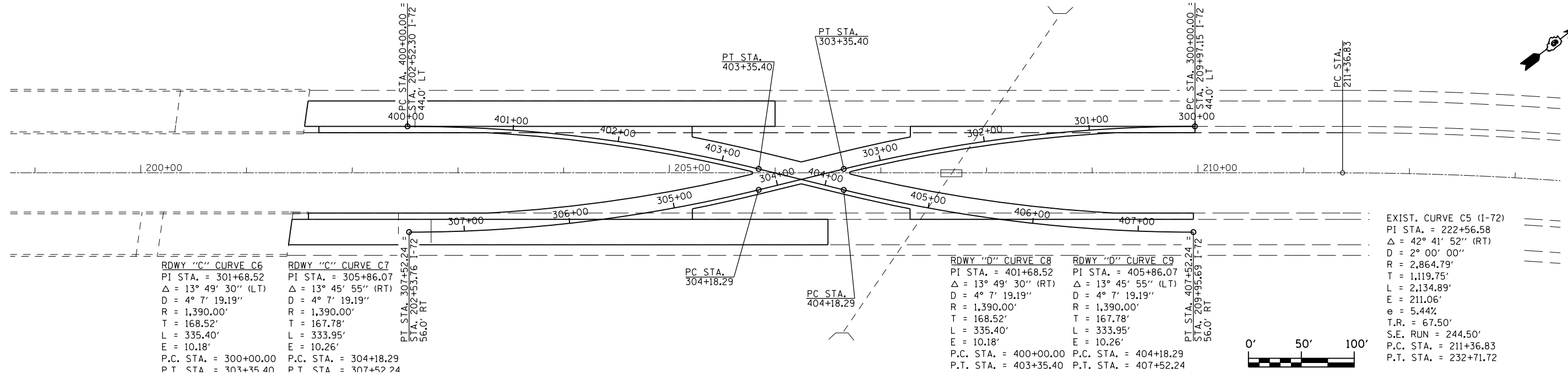
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-72	(84-10-111-7	SANGAMON	41	12
CONTRACT NO. 72E51				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	



USER NAME = sparksgw	DESIGNED -	REVISED -
	DRAWN - BDM	REVISED -
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PLOT DATE = Jun-08-2011 09:43:52AM	DATE - 7/15/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE SHEET - EAST CROSSOVER**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-72	(84-10-11)-7	SANGAMON	41	13
CONTRACT NO. 72E51				
ILLINOIS FED. AID PROJECT				

STORM WATER POLLUTION PREVENTION PLAN

Route: FAI 72 Marked: I-72  
 Section: (84-10-1)1-7 Project No.:  
 County: SANGAMON Contract No.:

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10 \_\_\_\_\_ issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

*Royce 2 Drake*  
 (Signature)

*6/7/2004*  
 (Date)

*Resident Engineer*  
 (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

The provisions for Temporary Erosion Control Seeding additionally supplements this plan.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1st of each construction year and shall not be reopened until after the winter shutdown period.

SITE DESCRIPTION

Description of Construction Activity:

1. The proposed project consists of constructing crossover roadways on I-72 (FAI 72) approximately 4.0 miles northeast of Springfield. The project will stay within the existing alignment and will include construction / resurfacing of approx. 0.4 mi of FAI 72.
2. Construction consists of grading, aggregate base, bituminous pavement, bituminous resurfacing, drainage structures, lighting, and other miscellaneous work to complete improvements to the proposed roadways.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

1. Tree removal will be completed to clear approximately 0.0 acres of wooded land.
2. Excavation will be completed along the entire length to grade out for proposed roadway ditches and waterways.
3. Embankment will be completed in fill areas to raise the existing ground elevation to meet the proposed roadway foreslope and backslope.
4. Drainage structures will be installed before and/or during the construction of the excavation and embankment to allow proper drainage across the proposed two lane facility.
5. Placement, maintenance, removal and proper clean-up of temporary erosion control, such as erosion control fence, hay or straw bale ditch checks, riprap ditch checks, sediment basins, temporary seeding, etc.
6. Final grading, paving and other miscellaneous items.

Area of Construction Site:

The total drainage area entering and including the construction site is estimated to be approx. 950 sq miles in which 2.5 acres will be disturbed by excavation, grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

1. Estimated run-off coefficients are contained in the project drainage study which were utilized for proposed placement of the temporary erosion control systems.
2. Information on the soils within the site was obtained from field reviews which were utilized for proposed placement of the temporary erosion control systems.
3. Site maps indicating drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study, and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

Sangamon River

USER NAME = default	DESIGNED -	REVISED - AUG 2007 (JCM)	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STORM WATER POLLUTION PREVENTION PLAN</b>				F.A.I. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	DATE - APR 18, 1999	REVISED -		ILLINOIS FED. AID PROJECT								

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

Description of Stabilization Practices at the Beginning of Construction:

1. The area between the existing and proposed right-of-way/temporary easement boundaries and limits of the project will be improved and managed for the purposes of controlling erosion within the area, reducing water flow by temporary diversion and minimizing siltation into the construction zone, and establishing vegetative cover which will become permanent vegetation and act as an erosion barrier. Work at the beginning of construction will consist of the following:
  - (a) Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.
  - (b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.
  - (c) As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, temporary ditch checks, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.
  - (d) Bare and sparsely vegetated ground in highly erodible areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".
  - (e) Immediately after tree removal is completed in certain areas which are highly erodible areas as determined by the Engineer, the areas shall be temporarily seeded where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".
  - (f) At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, temporary ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesirable conditions.
2. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.
3. A third benefit of these filter areas is that they will begin to provide a screen and buffer. They will help protect the construction site from winds and excess sun and mitigate construction noise and dust.

Description of Stabilization Practices During Construction:

1. During roadway construction, areas outside the construction slope limits as outlined previous herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
  - (a) Within the construction zone, critical areas which have high flows of water as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
  - (b) Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
  - (c) As the Contractor constructs a portion of roadway in a fill section, he/she shall follow the following steps as directed by the Engineer:
    - i. Place temporary erosion control systems at locations where water leaves and enters the construction zone
    - ii. Temporary seed highly erodible areas outside the construction slope limits
    - iii. Construct roadside ditches and provide temporary erosion control systems
    - iv. Temporary divert water around proposed culvert locations
    - v. Build necessary embankment at culvert locations and then excavate and place culvert
    - vi. Continue building up the embankment to the proposed grade while at the same time place permanent erosion control such as riprap ditch lining and conduct final shaping to the slopes
  - (d) The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.
  - (e) Excavated areas and embankments shall be permanently seeded when final graded. If not, they shall be temporarily seeded as stated in the special provision "Temporary Erosion Control Seeding".

(f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.

(g) The Resident Engineer shall inspect the project daily during activities and weekly or after large rains during the winter shutdown period. The project shall additionally be inspected by the Construction Field Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other control work is necessary.

(h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance will be paid for in accordance with Article 109.04 of the Standard Specifications.

(i) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the temporary erosion control system. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.

Maintenance after Construction:

1. Construction is complete after acceptance is received at the final inspection.
2. Areas will be inspected on a regular basis by IDOT District 6 Bureau of Operations.
3. Maintenance crews will perform regular mowings to aid in keeping weeds down and establishing a good roadside seed stand.
4. Maintenance crews will also aid in any ditch lining maintenance or in any drainage problems.
5. All maintenance will be conducted at times when weather conditions will not cause site damage.

DOCUMENTATION

1. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with Section 4.b. shall be made and retained as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with part VI.G of the general permit.
2. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI.G. of the general permit. The report of noncompliance shall be mailed to the following address:

Illinois Environmental Protection Agency  
 Division of Water Pollution Control  
 1021 North Grand Ave. East  
 Springfield, IL 62702  
 Attn: Compliance Assurance Section

<b>SWPPLAN.DGN</b>	USER NAME = sparksgw	DESIGNED -	REVISED - AUG 2007 (JCN)	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STORM WATER POLLUTION PREVENTION PLAN</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = Jun-08-2011 09:43:58AM	CHECKED - JGM	REVISED -		CONTRACT NO. 72E51								
		DATE - 07/18/08 1999	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



CONTRACTOR CERTIFICATION STATEMENT

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10 \_\_\_\_\_, issued by the Illinois Environmental Protection Agency on \_\_\_\_\_.

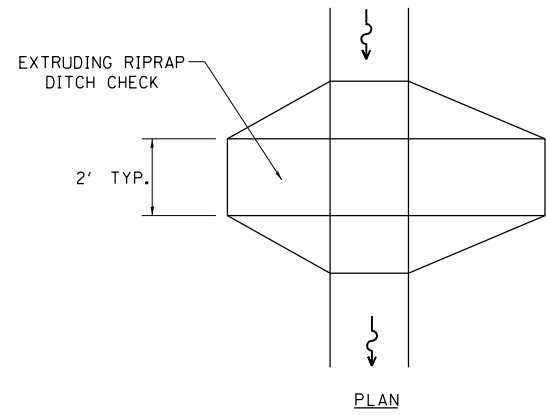
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 Section: \_\_\_\_\_ Project No.: \_\_\_\_\_  
 County: \_\_\_\_\_ Contract No.: \_\_\_\_\_

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

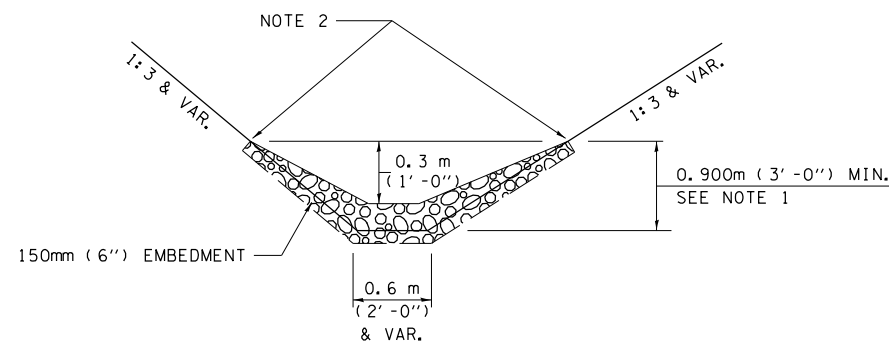
Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Title \_\_\_\_\_  
 Name of Firm \_\_\_\_\_  
 Street Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone Number \_\_\_\_\_

Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

SWPPLAN.DGN	USER NAME = sparksgw	DESIGNED -	REVISED - AUG 2007 (JCN)	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	DATE - APR 08 1999	DATE -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.



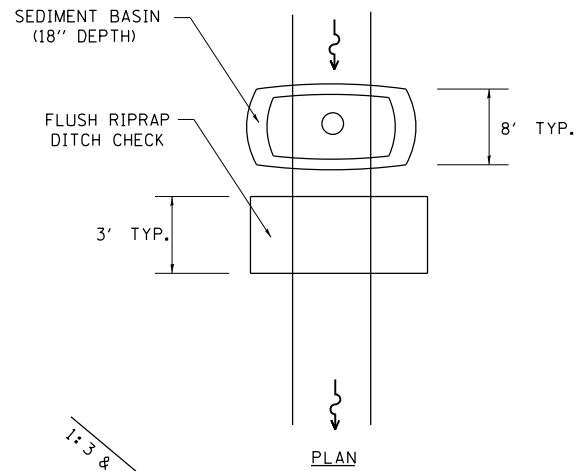
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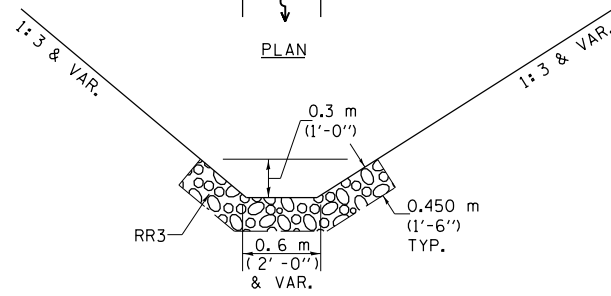
ELEVATION

OPTION 1

(EXTRUDING DITCH CHECK)  
RECOMMENDED FOR AREAS  
W/ RIPRAP DITCH LINING



PLAN



ELEVATION

OPTION 2

(FLUSH DITCH CHECK)  
RECOMMENDED FOR AREAS  
W/O RIPRAP DITCH LINING

**STONE DUMPED RIPRAP DITCH CHECK**  
( TYPICAL & OPTIONS 1 & 2  
AS DIRECTED BY THE ENGINEER)

NOTE 1: RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.

NOTE 2: ENDS SHALL BE TIED INTO SLOPES.

ITEM	SYMBOL
AGGREGATE (EROSION CONTROL) [STONE DUMPED RIPRAP DITCH CHECKS: Height = 0.6m (2') ]	
TEMPORARY DITCH CHECKS	
INLET PIPE PROTECTION (I&PP)	
EROSION CONTROL FENCE	
EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS)	
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	
DIRECTION OF OVERLAND FLOW	

GENERAL NOTES:

All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

The symbology on the STORM WATER POLLUTION PREVENTION PLAN sheets does not represent the size or quantity of bales, for number of bales refer to details and notes shown on this sheet and/or as directed by the Engineer.

**THE CONTRACTOR SHALL INSTALL DITCH CHECKS AS DIRECTED BY THE ENGINEER. IF THE ENGINEER ELECTS TO UTILIZE FLUSH RIPRAP DITCH CHECKS IN LIEU OF TEMPORARY DITCH CHECKS AS SHOWN ON THE FOLLOWING PLAN SHEETS, THE SPACING SHOULD BE DOUBLED.**

SWPPLAN.DGN

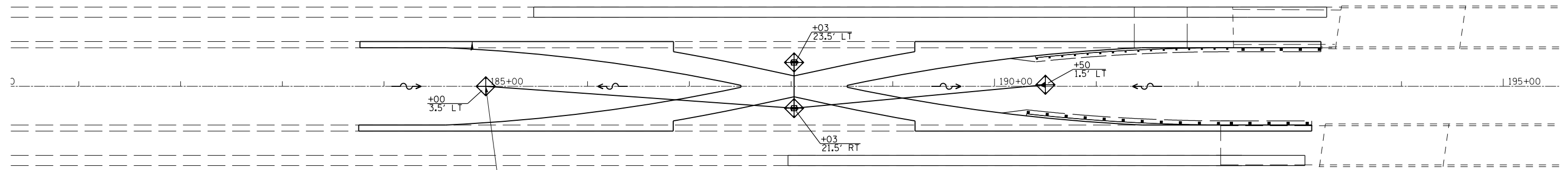
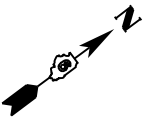
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PLOT DATE = Jun-08-2011 09:43:59AM	DATE - 07/08/08 1999	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION


STORM WATER POLLUTION  
PREVENTION PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

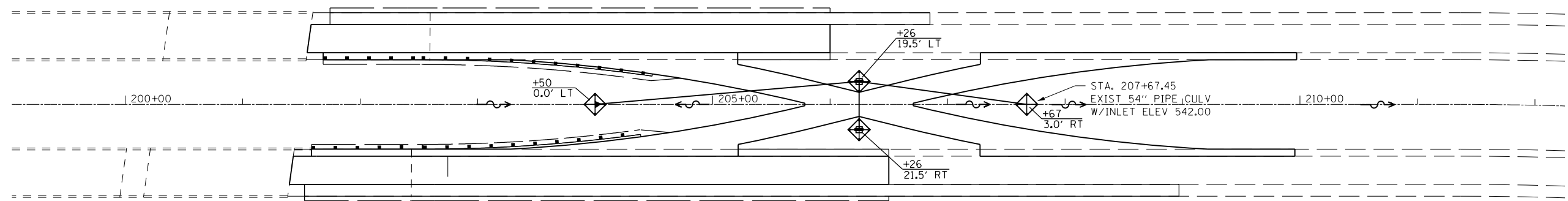
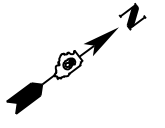
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I-72	(84-10-1)I-7	SANGAMON	41	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72E51	



**EROSION CONTROL LEGEND**

 INLET AND PIPE PROTECTION

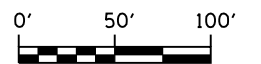
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EXIST 24"  
PIPE CULV  
W/ EXIST HDWL  
EXIST INLET  
ELEV 540.45



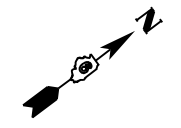
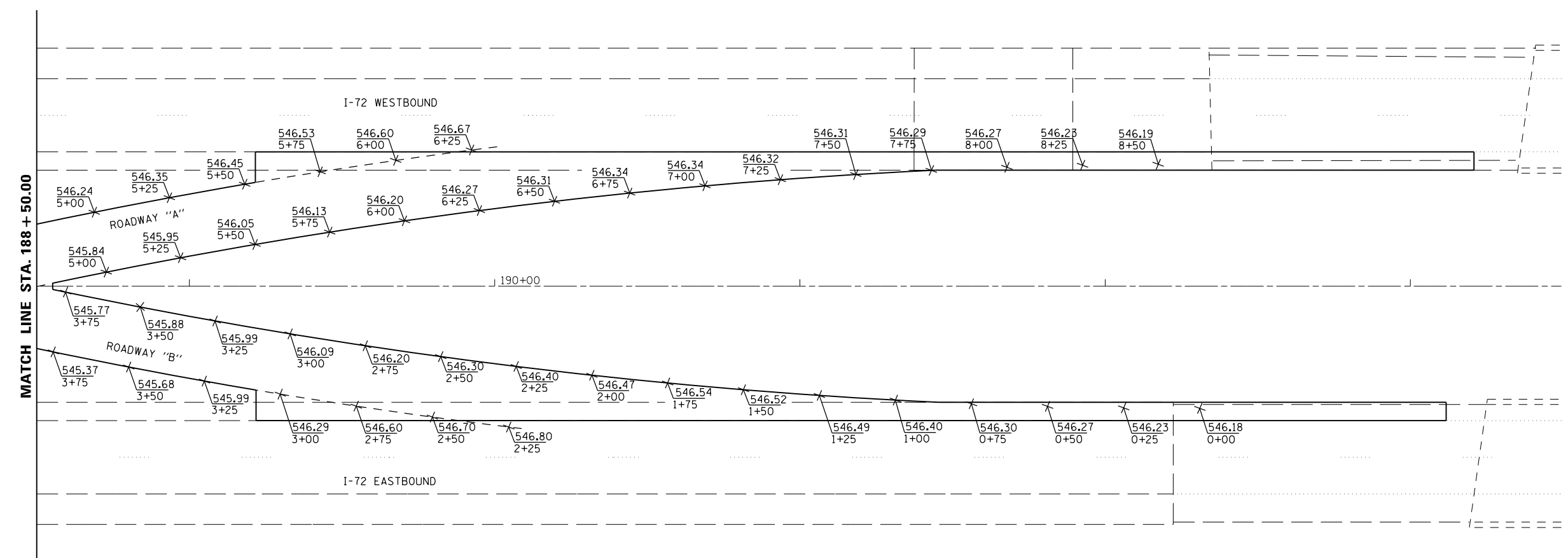
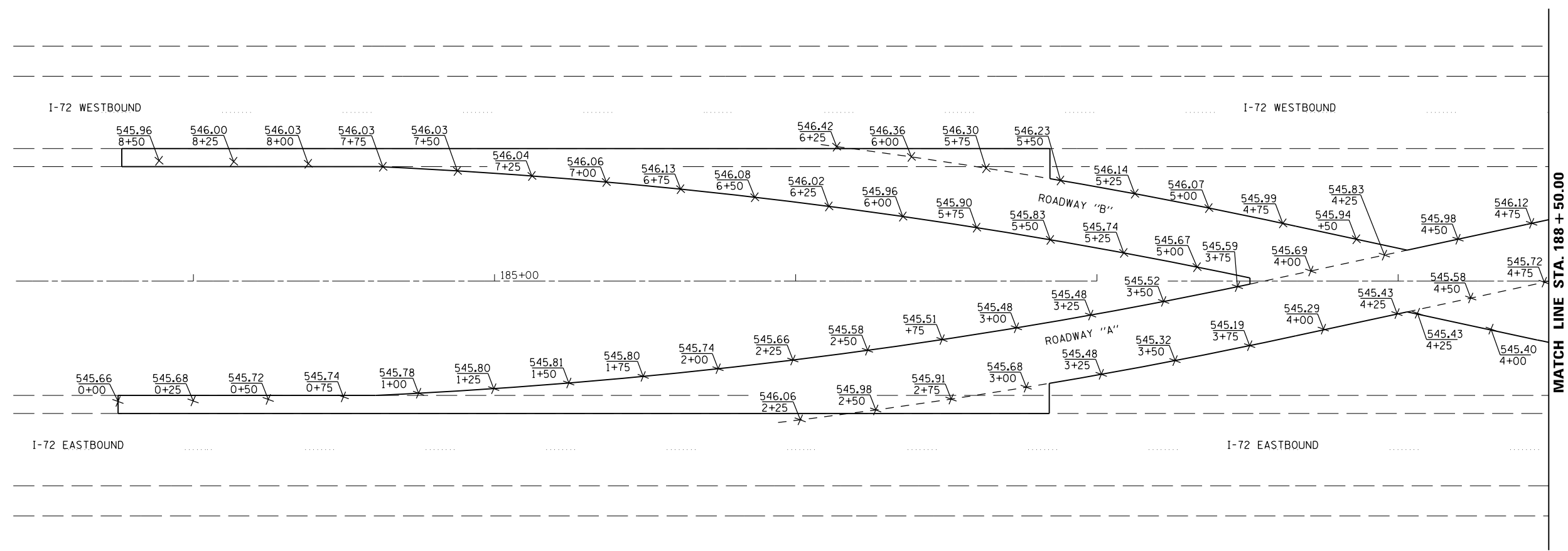
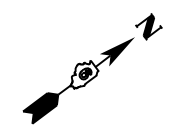
**EROSION CONTROL LEGEND**

 INLET AND PIPE PROTECTION

STA. 207+67.45  
EXIST 54" PIPE CULV  
W/INLET ELEV 542.00



USER NAME = sparksgw PLOT SCALE = 100.0000' / in. PLOT DATE = Jun-08-2011 09:44:03AM	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - BDM	REVISED -					1-72	(84-10-111-7	SANGAMON	41	18
	CHECKED - JSA	REVISED -		SCALE:      SHEET NO.    OF    SHEETS    STA.            TO STA.			CONTRACT NO. 72E51			ILLINOIS FED. AID PROJECT	
DATE - 7/15/09	REVISED -	FILE NAME = c:\pw\work\pwt\dot\sparksgw\0271411\0672E51_sht_eros.dgn									



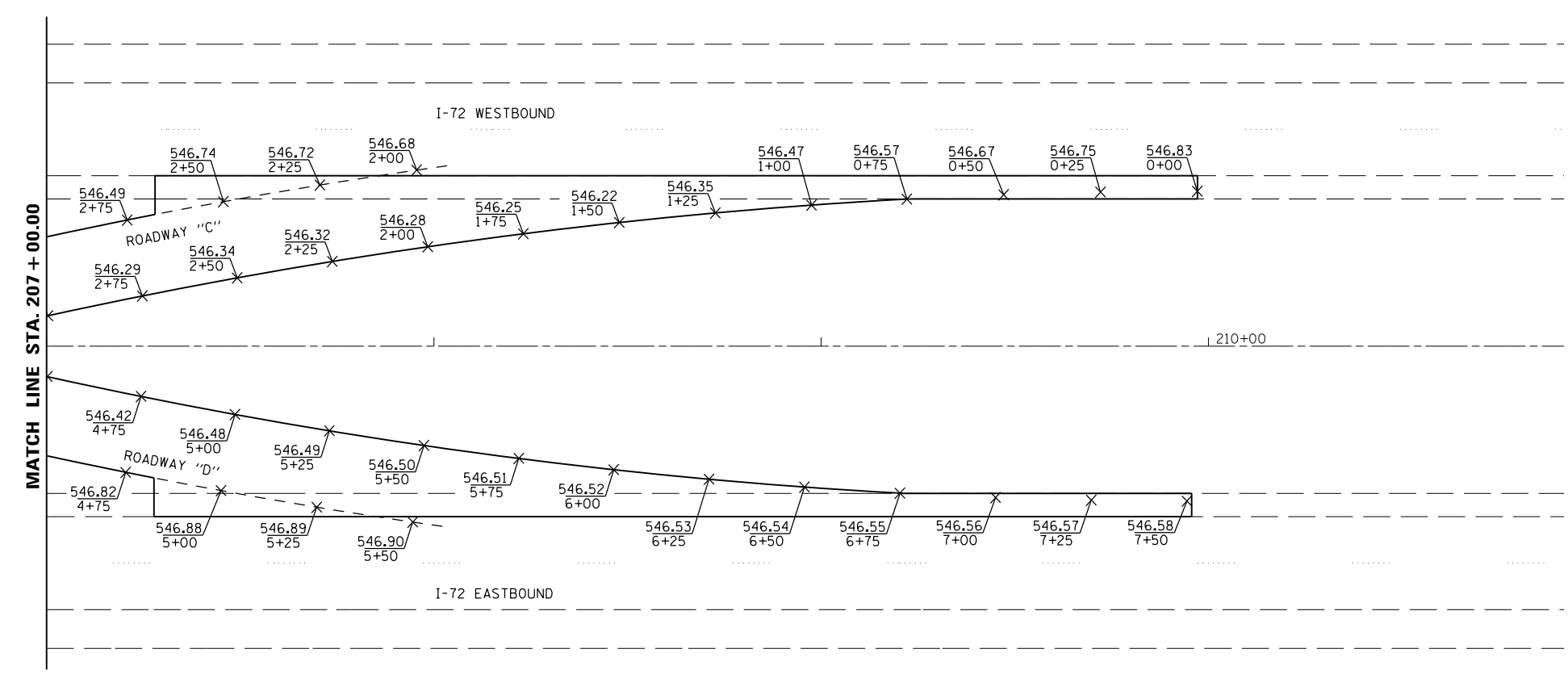
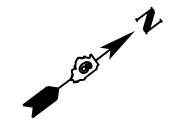
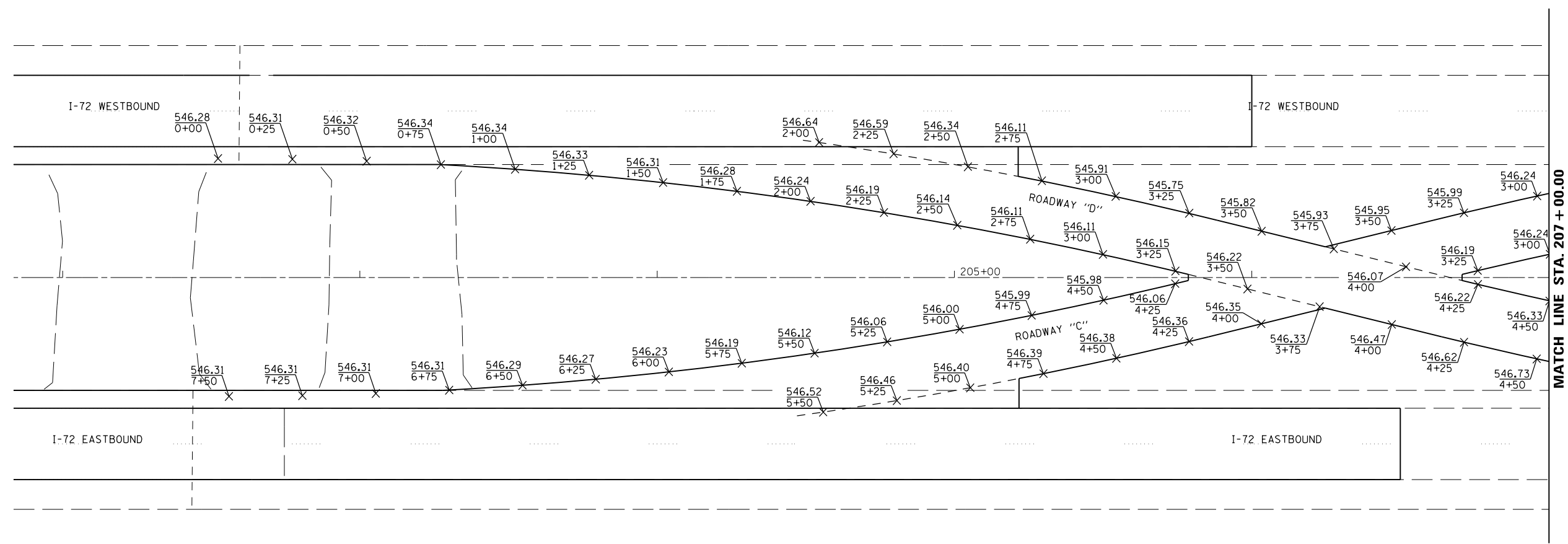
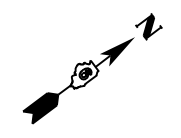
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	DRAWN - BDM	REVISED -
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PLOT DATE = Jun-08-2011 09:44:08AM	DATE - 7/15/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSSOVER ELEVATION DETAILS**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-72	(84-10-111-7)	SANGAMON	41	19
CONTRACT NO. 72E51				
ILLINOIS FED. AID PROJECT				



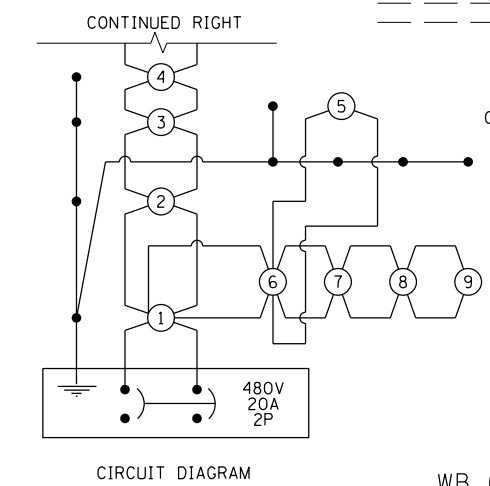
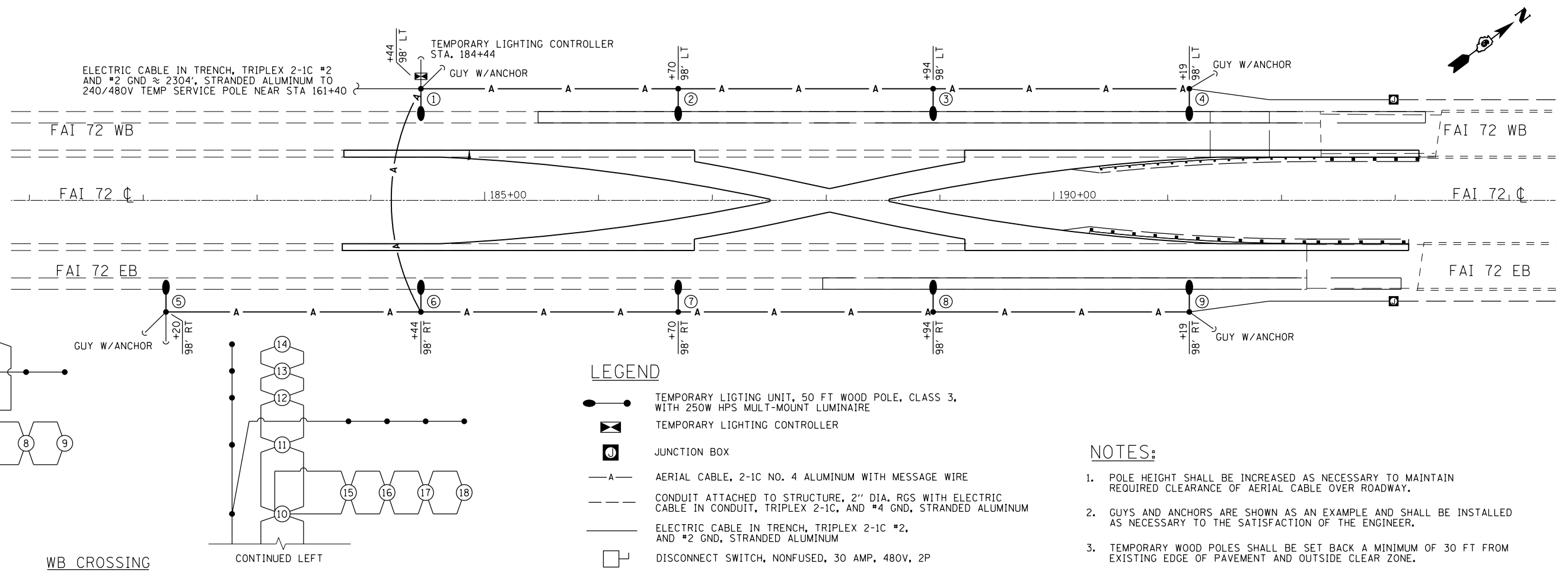
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	DRAWN - BDM	REVISED -
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PLOT DATE = Jun-08-2011 09:44:12AM	DATE - 7/15/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

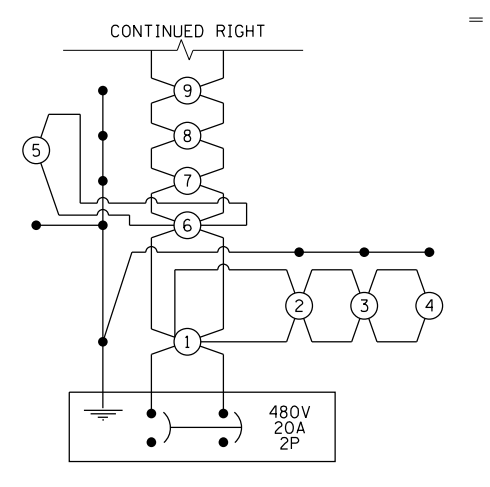
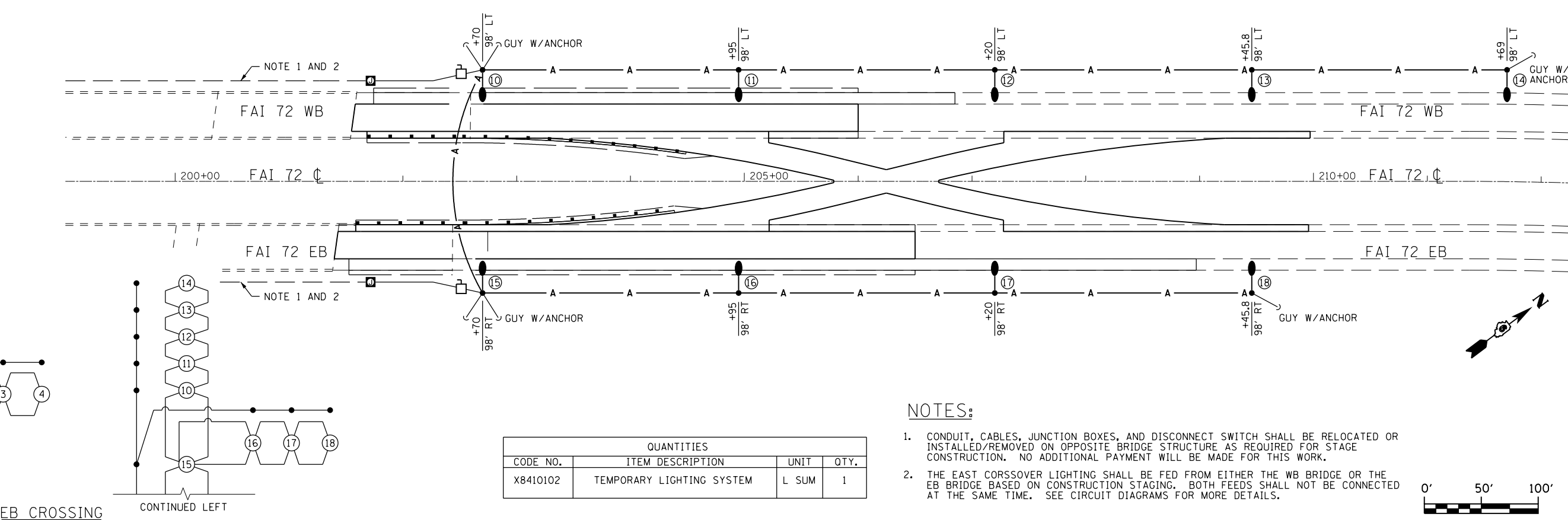
**CROSSOVER ELEVATION DETAILS**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-72	(84-10-1)I-7	SANGAMON	41	20
CONTRACT NO. 72E51				
ILLINOIS FED. AID PROJECT				



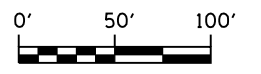
WB CROSSING



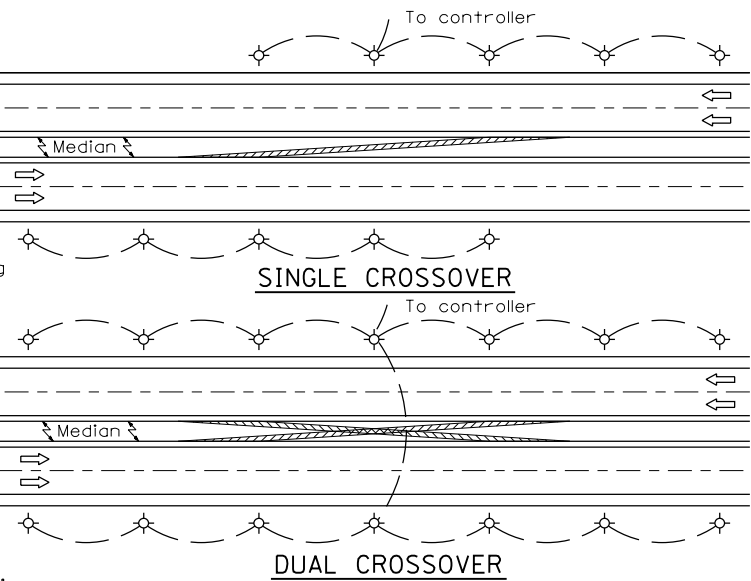
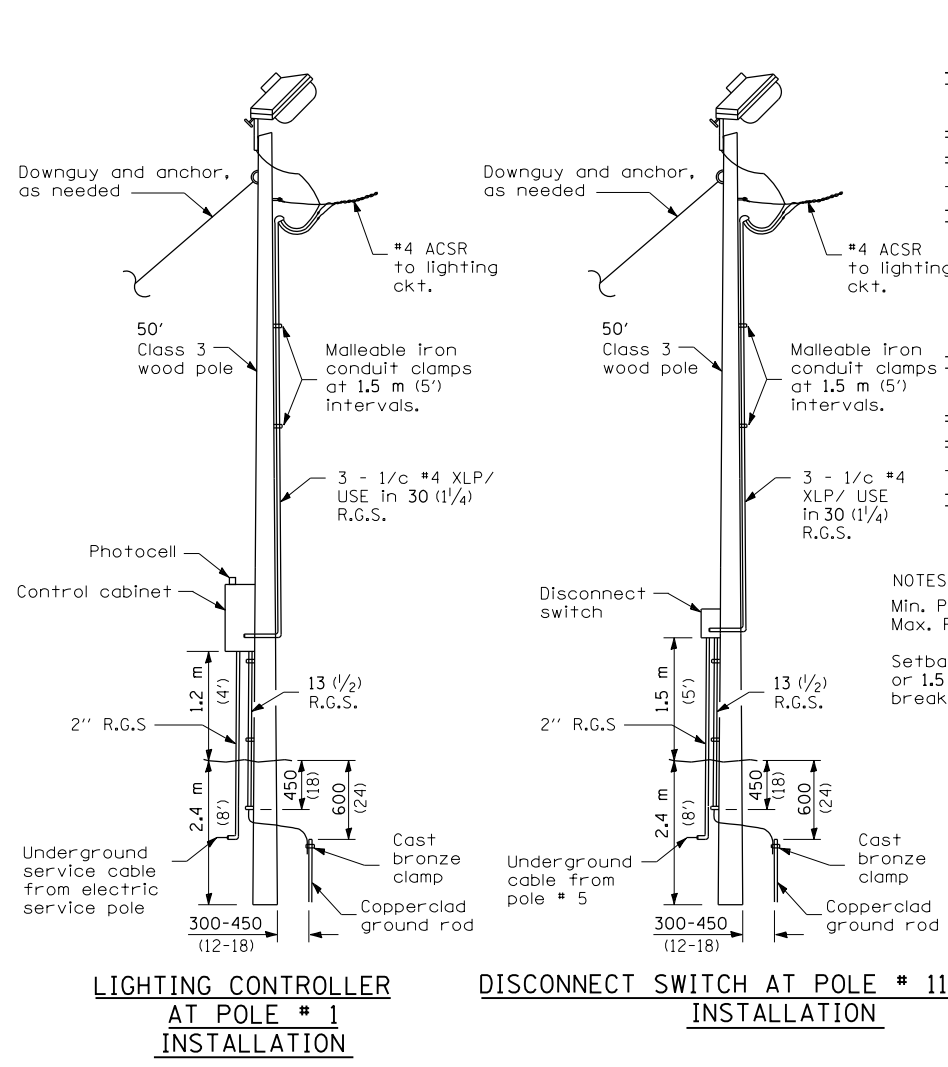
EB CROSSING

QUANTITIES			
CODE NO.	ITEM DESCRIPTION	UNIT	QTY.
X8410102	TEMPORARY LIGHTING SYSTEM	L SUM	1

- NOTES:
- CONDUIT, CABLES, JUNCTION BOXES, AND DISCONNECT SWITCH SHALL BE RELOCATED OR INSTALLED/REMOVED ON OPPOSITE BRIDGE STRUCTURE AS REQUIRED FOR STAGE CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
  - THE EAST CROSSOVER LIGHTING SHALL BE FED FROM EITHER THE WB BRIDGE OR THE EB BRIDGE BASED ON CONSTRUCTION STAGING. BOTH FEEDS SHALL NOT BE CONNECTED AT THE SAME TIME. SEE CIRCUIT DIAGRAMS FOR MORE DETAILS.



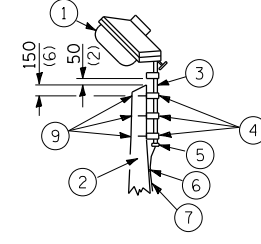
FILE NAME = c:\pwork\pwork\sparksgw\08271411\0672E51.sht.light.dgn



NOTES:  
 Min. Pole spacing 60 m (200')  
 Max. Pole spacing 75 m (250')  
 Setback shall be min. 9 m (30') or 1.5 m (5') back of ditch, unless breakaway type pole is used.

- ① Luminaire, 250W HPS
- ② Wood pole, class 3 or better
- ③ 63 (2 1/2) Galv. steel conduit
- ④ Single offset pole band
- ⑤ Conduit bushing
- ⑥ Cable clamps on 600 (24) centers
- ⑦ 3/c #10 Type USE cable
- ⑧ 25 (1) Galv. steel conduit 3.0 m (10') in length
- ⑨ 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)

NOTES:  
 Luminaire(s) shall have a 2-pole inline weatherproof quick disconnect fuse holder.  
 Luminaire(s) shall be oriented and the mounting angle adjusted as recommended by the Engineer.  
 Connect luminaire equipment ground to ACSR messenger.

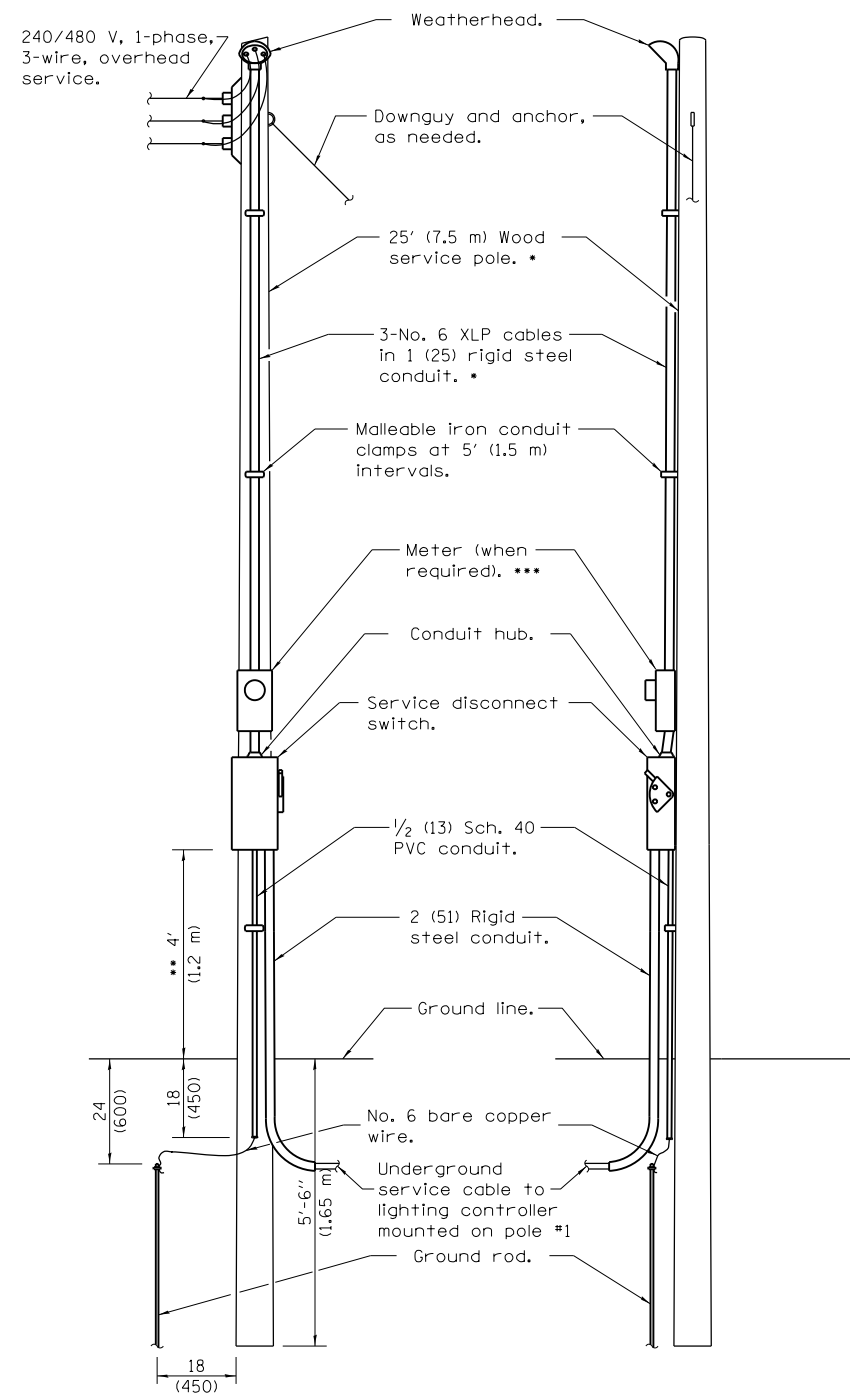


POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

All dimensions are in millimeters (inches) unless otherwise shown.

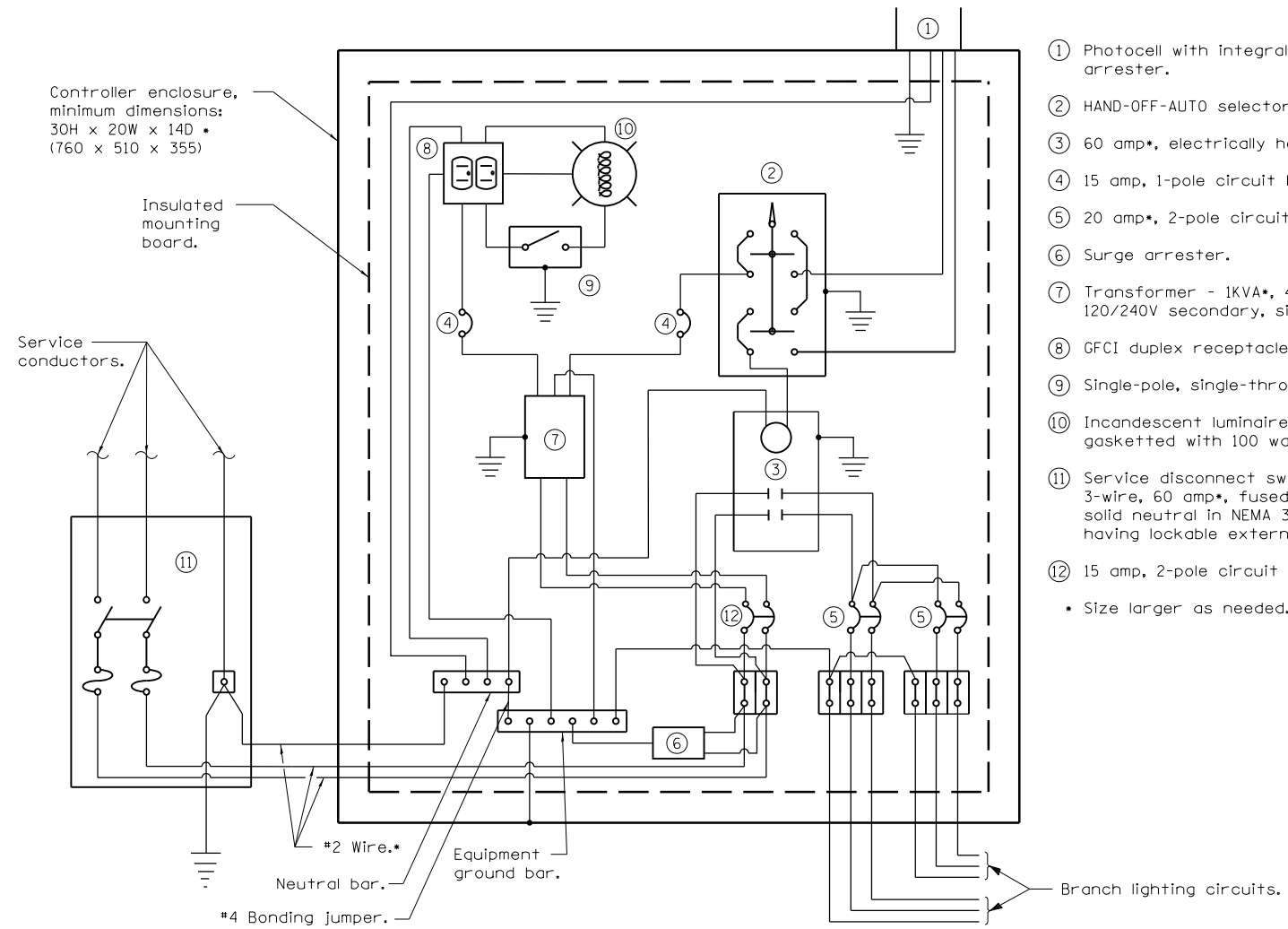
NOTES:  
 Disconnect switch shall be non-fused, 30 amp, 480V, 2P, 3-wire, solid neutral in NEMA 3R enclosure having lockable external handle.  
 Disconnect switch shall not be used as typical means of de-energizing the east crossover lighting. Circuit breaker in the lighting controller shall be used for this purpose.





**FRONT**  
**ELECTRIC SERVICE INSTALLATION**  
**SIDE**

- Size larger as needed.
- Or as directed by Utility Company.
- When cold sequencing is required, provide a meter disconnect switch as directed by Utility Company.



**CONTROL SCHEMATIC**

- ① Photocell with integral surge arrester.
  - ② HAND-OFF-AUTO selector switch.
  - ③ 60 amp\*, electrically held contactor.
  - ④ 15 amp, 1-pole circuit breaker.
  - ⑤ 20 amp\*, 2-pole circuit breaker
  - ⑥ Surge arrester.
  - ⑦ Transformer - 1kVA\*, 480V primary, 120/240V secondary, single-phase, 60Hz.
  - ⑧ GFCI duplex receptacle.
  - ⑨ Single-pole, single-throw switch.
  - ⑩ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
  - ⑪ Service disconnect switch - 2-pole, 3-wire, 60 amp\*, fused at 60 amp\*, solid neutral in NEMA 3R enclosure having lockable external handle.
  - ⑫ 15 amp, 2-pole circuit breaker.
- \* Size larger as needed.

**LIGHTING CONTROLLER**  
**POLE MOUNTED, 480V**

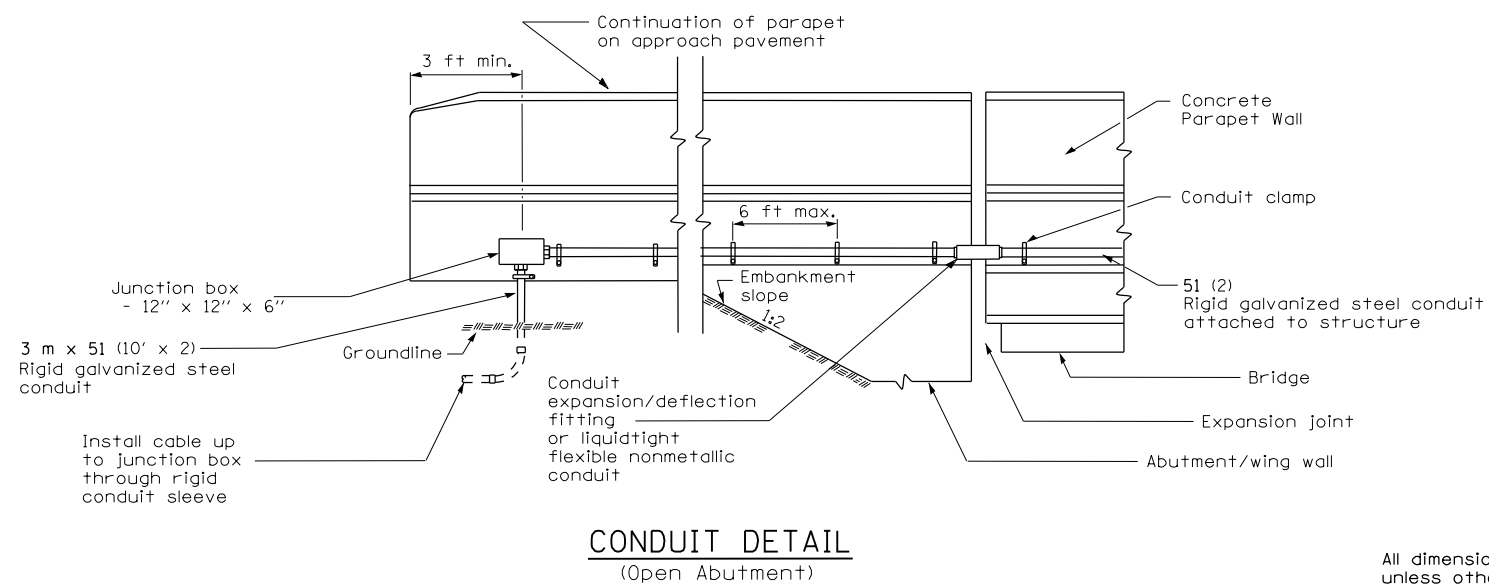
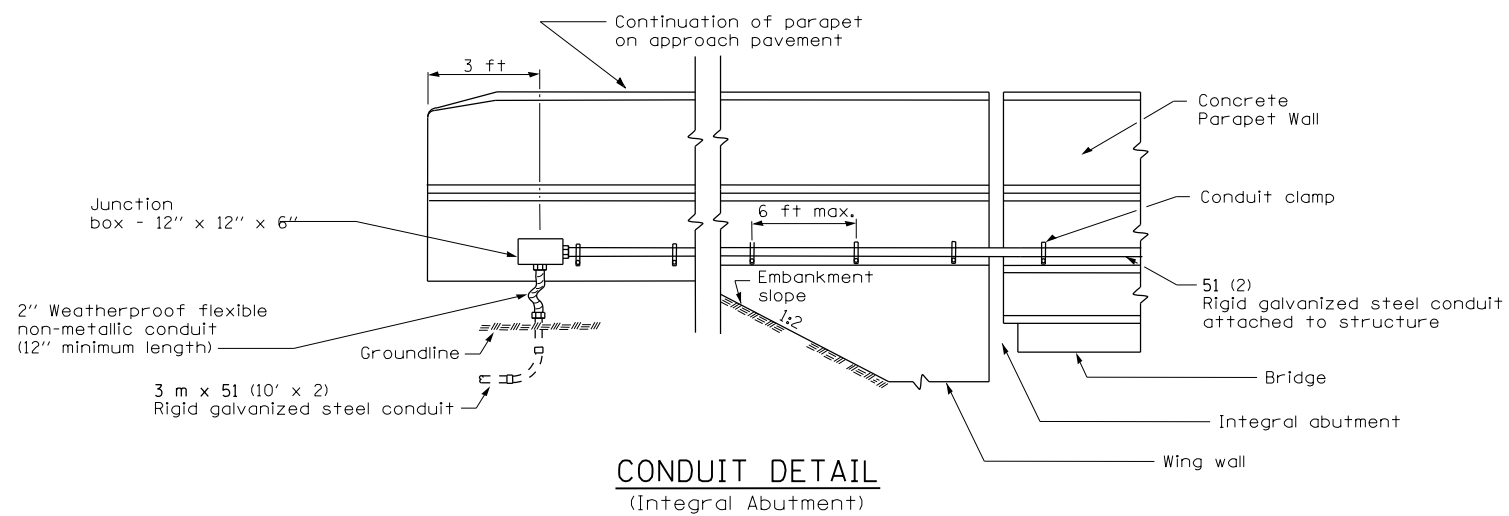
**GENERAL NOTES**

Provide 12x9x1 (305x225x25) watertight pouch mounted inside controller door with as-built plans and schematics.

Provide engraved nameplate on front of enclosure reading "LIGHTING".

All dimensions are in inches (millimeters) unless otherwise shown.

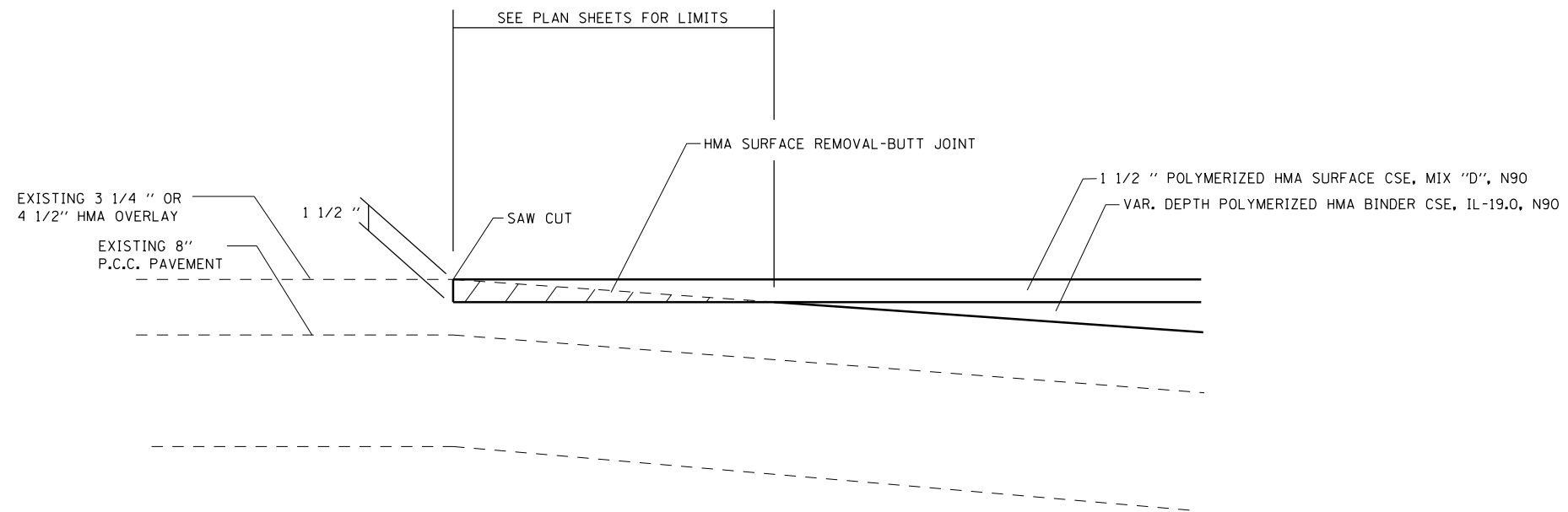
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PLOT SCALE = 1/8" = 1'-0"	DRAWN - BDM	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	(84-10-1)I-7	SANGAMON	41	23
PLOT DATE = Jun-08-2011 09:44:20AM	CHECKED - JSA	REVISED -					CONTRACT NO. 72E51			ILLINOIS FED. AID PROJECT		
	DATE - 7/15/09	REVISED -										



All dimensions are in millimeters (inches) unless otherwise shown.

**TEMPORARY BRIDGE  
CROSSING DETAILS**

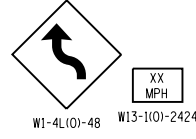
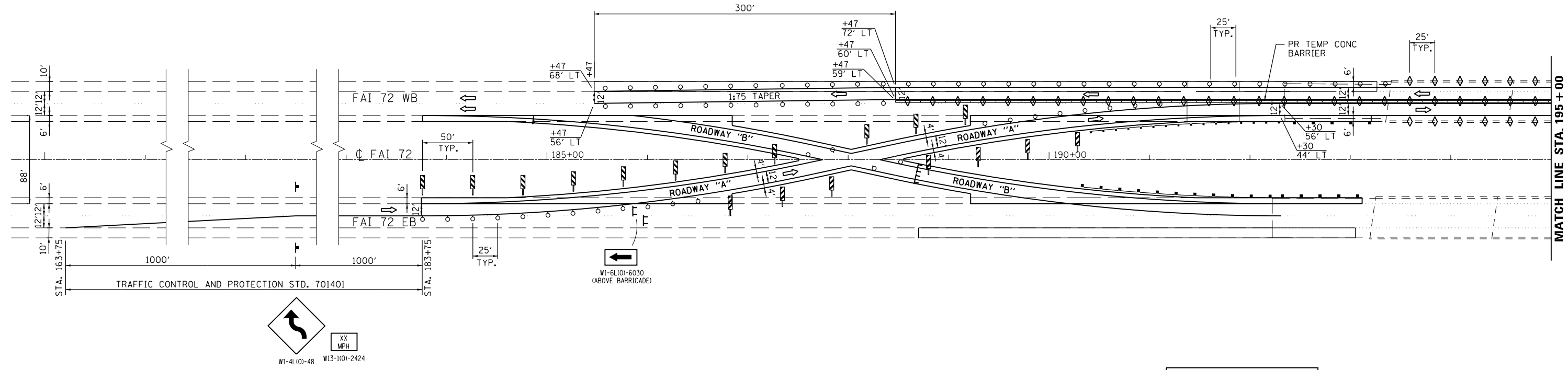
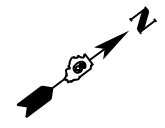
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	CHECKED - JSA	REVISED -		CONTRACT NO. 72E51							
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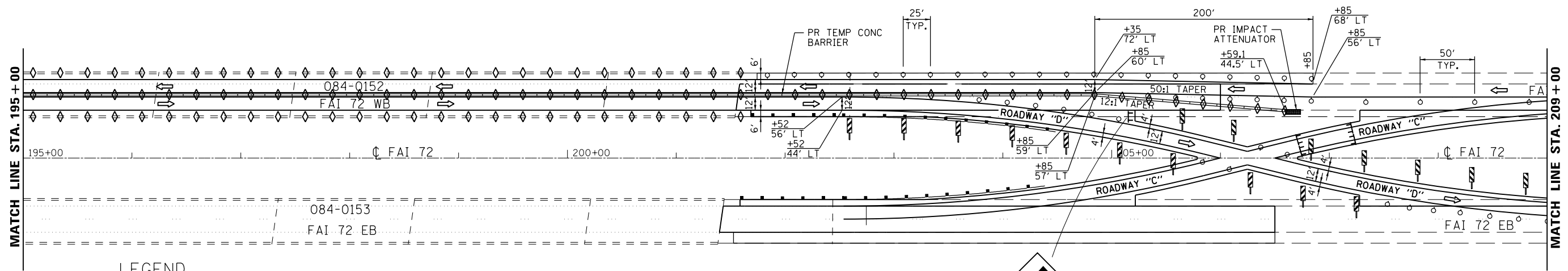
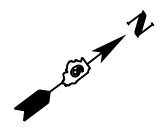
**BUTT - JOINT DETAIL I-72**

STA. 201+56.58 TO 201+69.00 (W.B.)  
 STA. 201+41.40 TO 201+64.00 (E.B.)  
 STA. 205+39.00 TO 206+00.00 (W.B.)  
 STA. 206+29.00 TO 206+50.00 (E.B.)

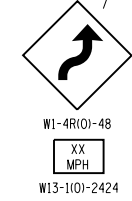
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	DRAWN - BDM	REVISED -					I-72	(84-10-11)-7	SANGAMON	41	25
	CHECKED - JSA	REVISED -		SCALE:      SHEET NO.    OF    SHEETS    STA.            TO STA.			CONTRACT NO. 72E51				
	DATE - 7/15/09	REVISED -					ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY  
(BY OTHERS)



- LEGEND**
- TRAFFIC FLOW ARROW
  - TYPE III BARRICADE
  - IMPACT ATTENUATOR
  - BARREL W/STEADY BURNING LIGHT
  - POST MOUNTED SIGN
  - BARRIER WALL MARKER
  - TEMPORARY CONCRETE BARRIER
  - VERTICAL SIGN PANEL



FOR INFORMATION ONLY  
(BY OTHERS)



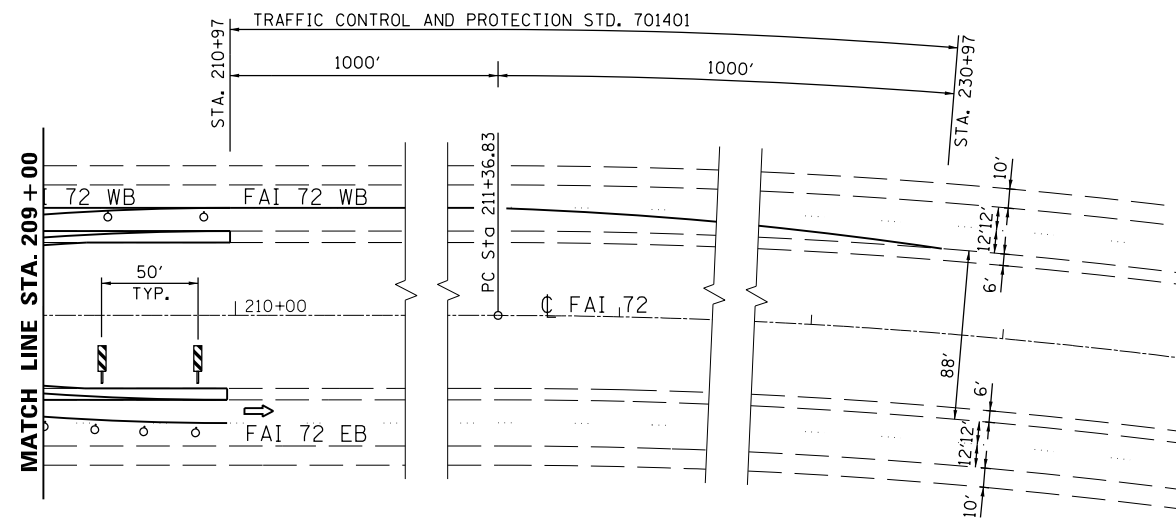
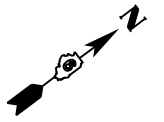
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	DRAWN - BDM	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN  
STAGE I**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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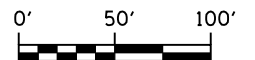
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I-72	(84-10-11)-7	SANGAMON	41	26
CONTRACT NO. 72E51				
ILLINOIS FED. AID PROJECT				



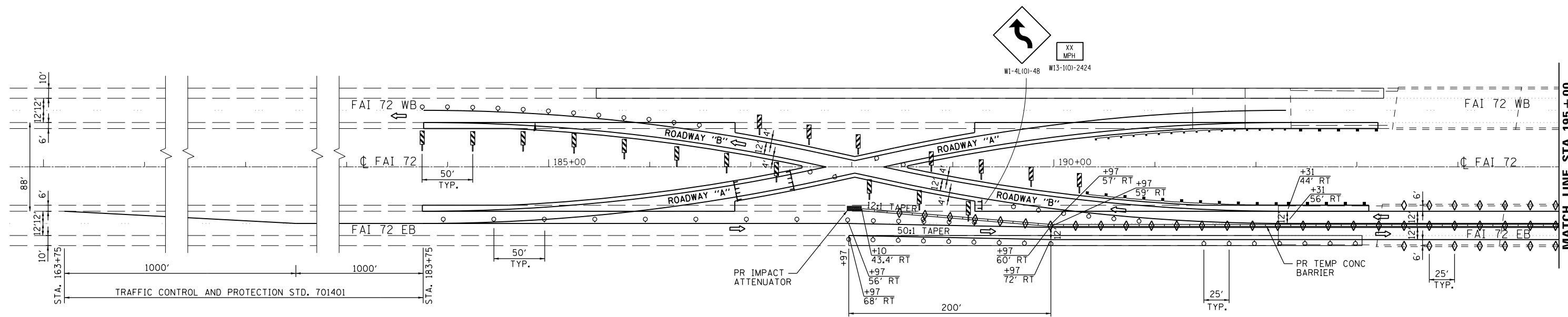
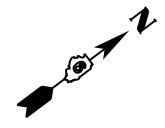
**LEGEND**

- TRAFFIC FLOW ARROW
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- BARREL W/STEADY BURNING LIGHT
- POST MOUNTED SIGN
- BARRIER WALL MARKER
- TEMPORARY CONCRETE BARRIER
- VERTICAL SIGN PANEL

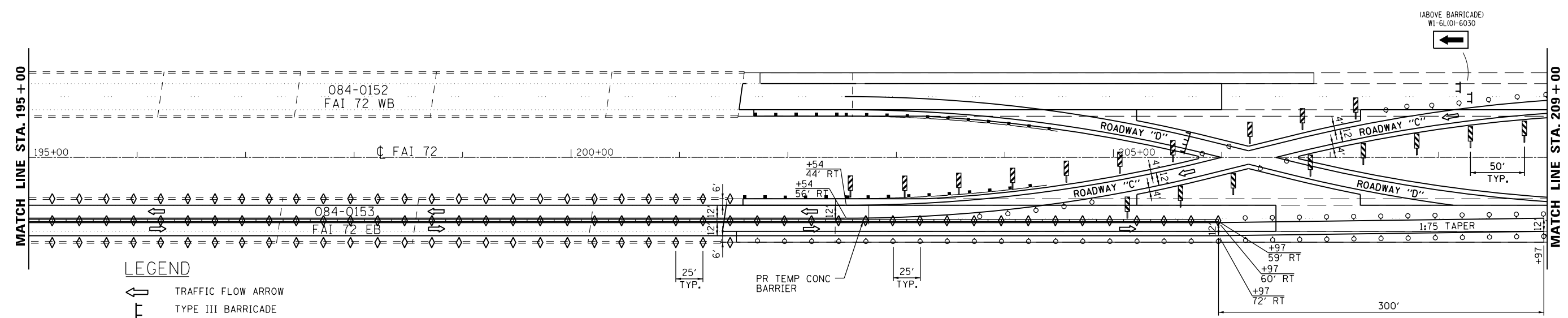
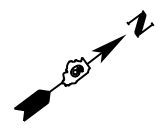
FOR INFORMATION ONLY  
(BY OTHERS)



	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC PLAN STAGE I</b>	F.A.I. RTE. I-72	SECTION (84-10-11)-7	COUNTY SANGAMON	TOTAL SHEETS 41	SHEET NO. 27
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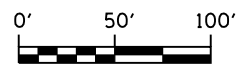


FOR INFORMATION ONLY  
(BY OTHERS)



- LEGEND**
- TRAFFIC FLOW ARROW
  - TYPE III BARRICADE
  - IMPACT ATTENUATOR
  - BARREL W/STEADY BURNING LIGHT
  - POST MOUNTED SIGN
  - BARRIER WALL MARKER
  - TEMPORARY CONCRETE BARRIER
  - VERTICAL SIGN PANEL

FOR INFORMATION ONLY  
(BY OTHERS)



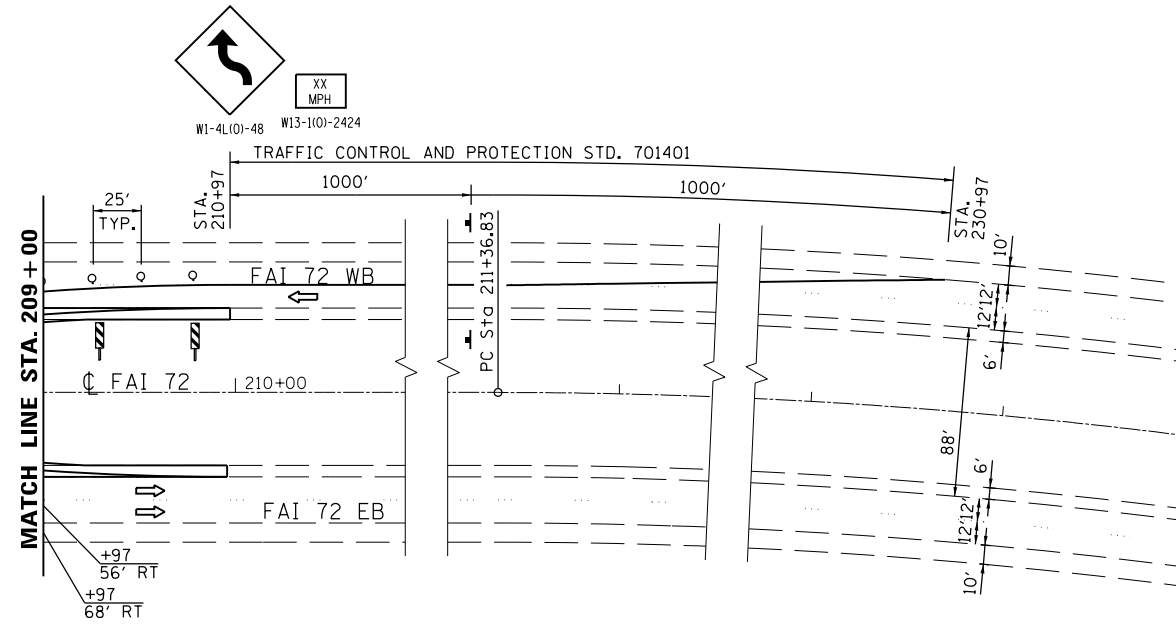
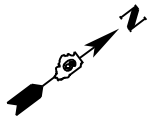
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PLOT DATE = Jun-08-2011 09:44:40AM	DATE - 7/15/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN  
STAGE II**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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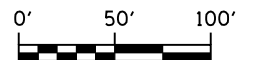
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I-72	(84-10-111-7	SANGAMON	41	28
CONTRACT NO. 72E51				
ILLINOIS FED. AID PROJECT				



**LEGEND**

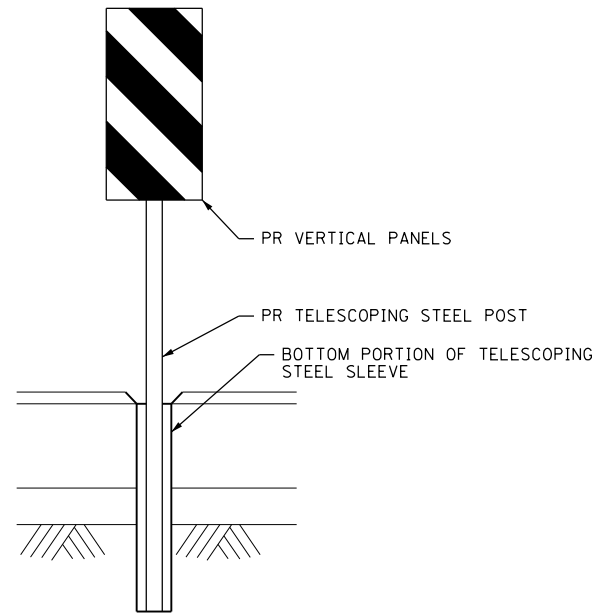
- TRAFFIC FLOW ARROW
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- BARREL W/STEADY BURNING LIGHT
- POST MOUNTED SIGN
- BARRIER WALL MARKER
- TEMPORARY CONCRETE BARRIER
- VERTICAL SIGN PANEL

FOR INFORMATION ONLY  
(BY OTHERS)



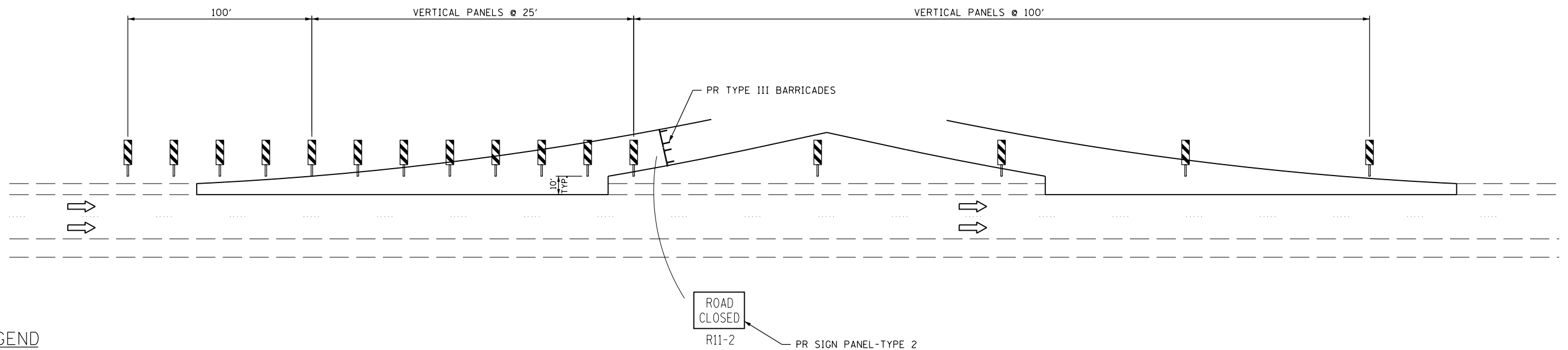
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			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	





NOTE: FOR INSTALLATION OF VERTICAL PANELS IN AREAS OF CROSSOVER PAVEMENT, 3" Ø HOLES WILL BE CORED THROUGH PAVEMENT FOR PLACEMENT. TELESCOPING STEEL POLES WILL BE PLACED 1" BELOW SURFACE AS SHOWN, AND WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER. WHEN OPENING CROSSOVER, PANELS WILL BE REMOVED AND HOLES WILL BE LEFT IN PLACE. COST OF PANELS, POSTS, SLEEVES, TYPE III BARRICADES, SIGNS, AND CORING SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION (SPECIAL).

TRAFFIC CONTROL AND PROTECTION (SPECIAL) SCHEDULE						
LOCATION		VERTICAL SIGN PANELS	TELESCOPING STEEL SIGN SUPPORTS	TYPE III BARRICADES	SIGN PANEL, TYPE 2	
STA.	STA.	(EACH)	(EACH)	(EACH)	(SQ FT)	
<b>EB I-72</b>						
184+13	to 185+88	12	12			
185+88	to 190+88	4	4			
187+10				2	10	
202+72	to 205+47	12	12			
205+47	to 209+47	4	4			
205+47				2	10	
<b>WB I-72</b>						
185+17	to 189+17	4	4			
189+17	to 191+92	12	12			
188+97				2	10	
203+03	to 207+03	4	4			
207+03	to 209+78	12	12			
207+03				2	10	
<b>TOTALS=</b>		<b>64</b>	<b>64</b>	<b>8</b>	<b>40</b>	



**LEGEND**

- ← TRAFFIC FLOW ARROW
- ▬ TYPE III BARRICADE
- ▬ IMPACT ATTENUATOR
- BARREL W/STEADY BURNING LIGHT
- ⊥ POST MOUNTED SIGN
- ◇ BARRIER WALL MARKER
- ▬ TEMPORARY CONCRETE BARRIER
- ▬ VERTICAL SIGN PANEL

ROAD CLOSED  
R11-2  
PR SIGN PANEL-TYPE 2

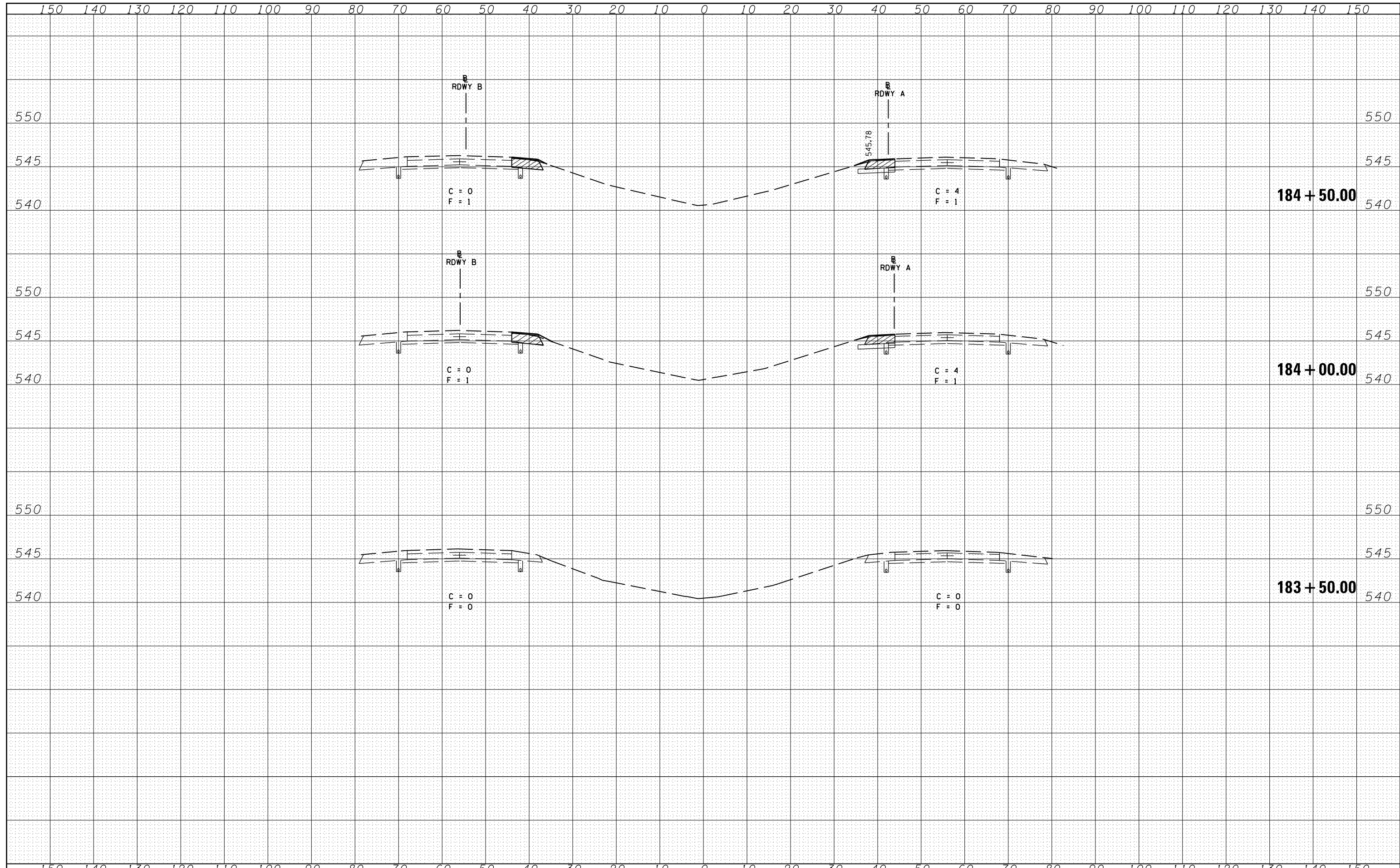
CROSSOVER CLOSURE-TYPICAL  
4 LOCATIONS

NOT TO SCALE

USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC PLAN CROSSOVER CLOSURE DETAIL</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 60.0000' / in.	DRAWN - BDM	REVISED -					I-72	(84-10-1)I-7	SANGAMON	41	30
PLOT DATE = Jun-08-2011 09:44:47AM	CHECKED - JSA	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 72E51		
	DATE - 7/15/09	REVISED -							ILLINOIS FED. AID PROJECT		

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

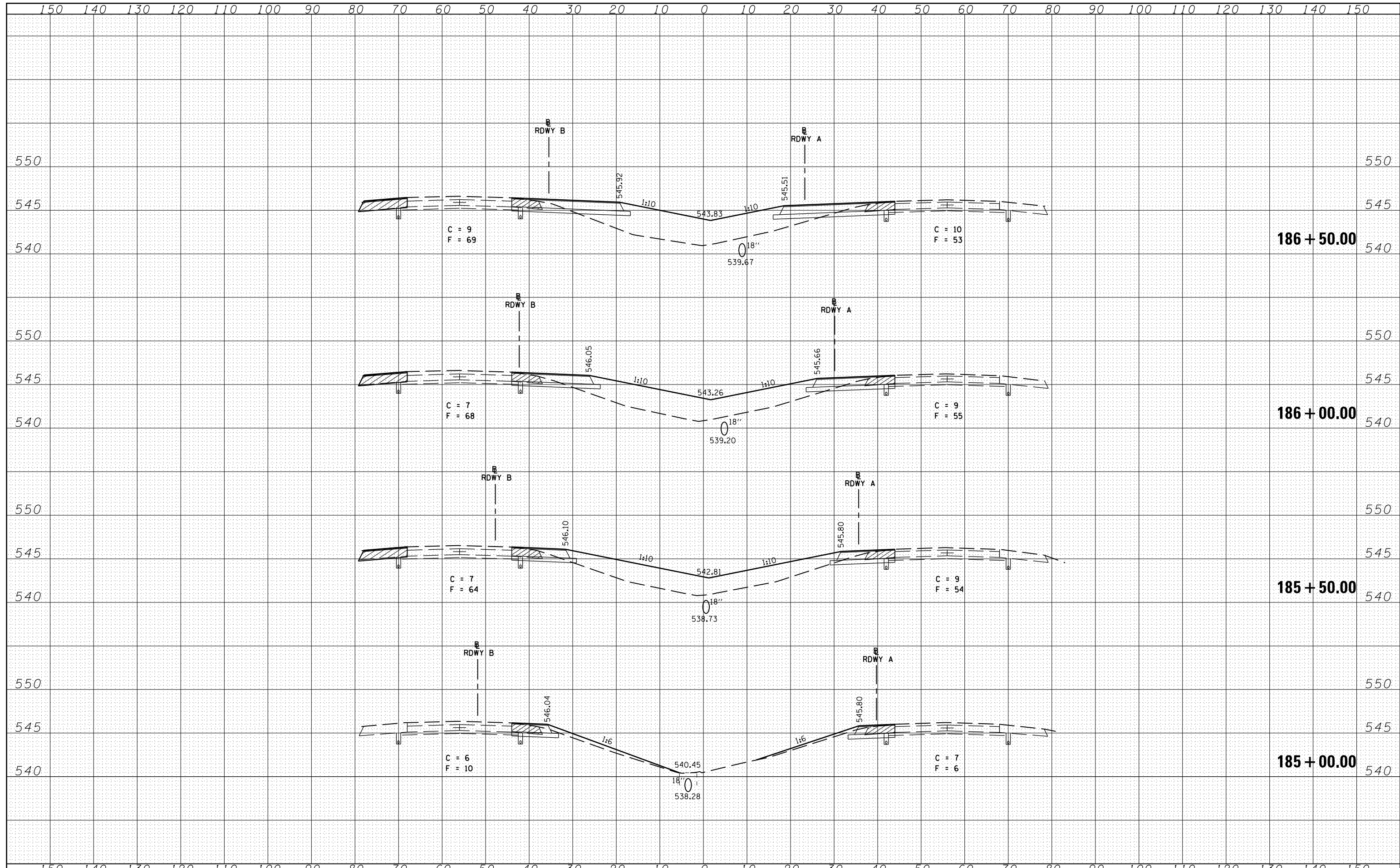
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p\dot\sparksgw\d0271413\0672E51...SHEET.dgn	DRAWN -	REVISED -	I-72					(84-10-1)I-7	SANGAMON	41	31	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 72E51									
PLOT DATE = Jun-08-2011 09:44:52AM	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

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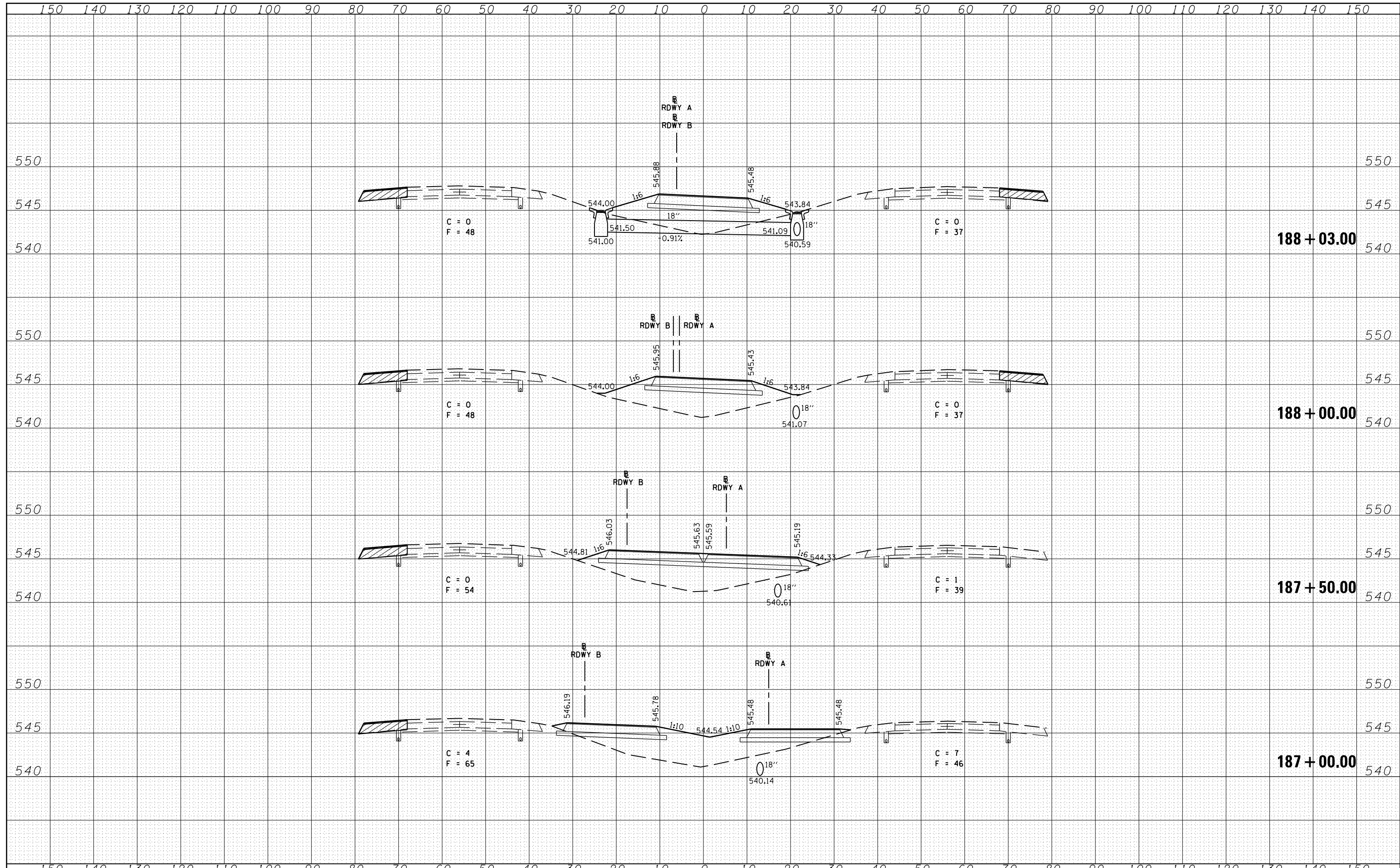
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c:\pw_work\pwidot\sparksgw\d0271413\0672E51...SHEET.dgn		DRAWN -	REVISED -		1-72	(84-10-1)1-7	SANGAMON	41	32			
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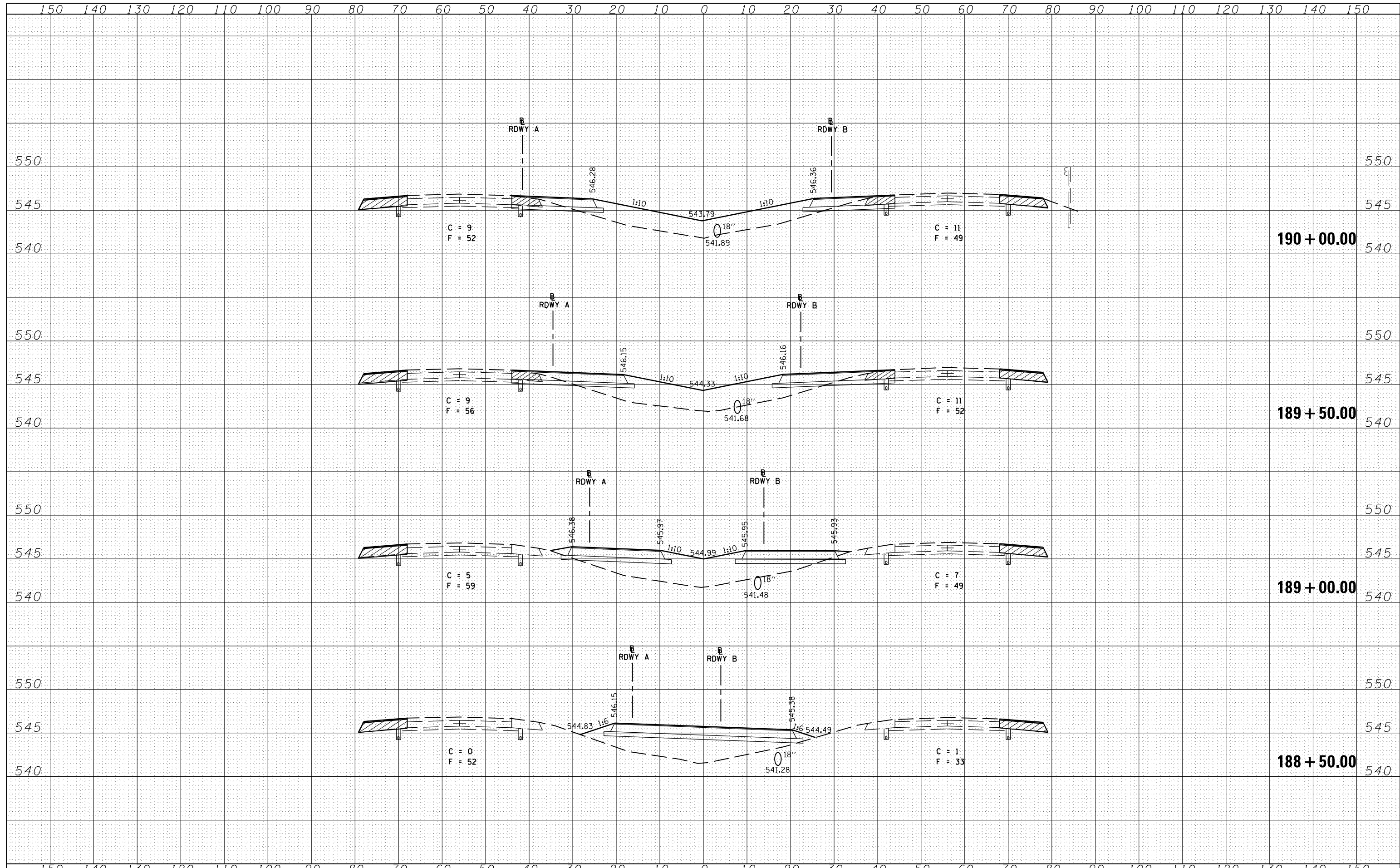
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FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p1dot\sparksgw\d0271413\0672E51...SHEET.dgn	DRAWN -	REVISED -	I-72					(84-10-1)I-7	SANGAMON	41	33	
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PLOT DATE = Jun-08-2011 09:44:53AM	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

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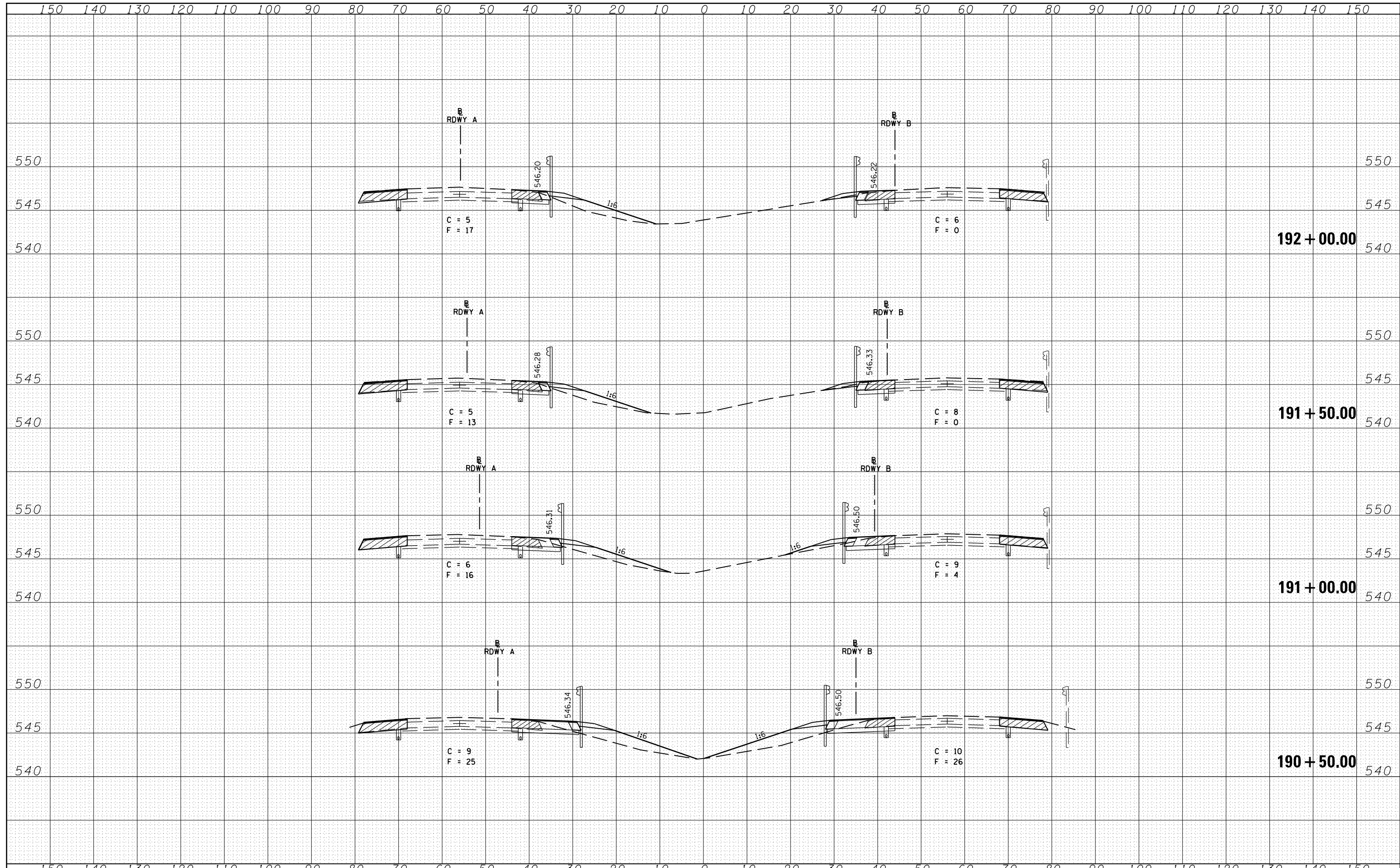
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FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p\dot\sparksgw\d0271413\0672E51...SHEET.dgn	DRAWN -	REVISED -	I-72						(84-10-1)I-7	SANGAMON	41	34	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 72E51										
PLOT DATE = Jun-08-2011 09:44:54AM	DATE -	REVISED -	ILLINOIS FED. AID PROJECT										
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.					

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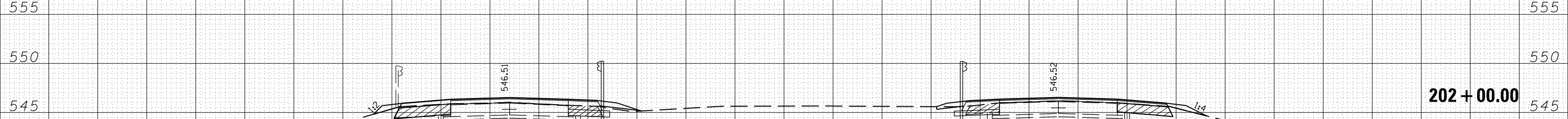
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-72	(84-10-1)I-7	SANGAMON	41	35
CONTRACT NO. 72E51			ILLINOIS FED. AID PROJECT	

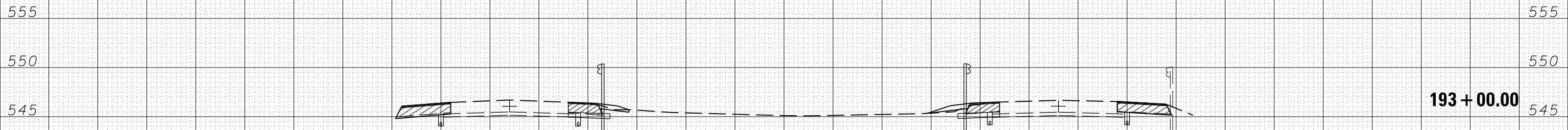
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	AREAS CHECKED



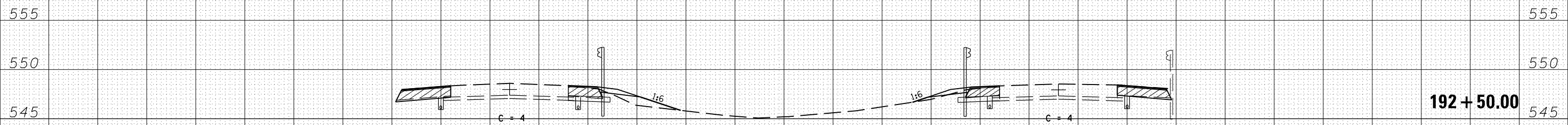
**202 + 00.00**

**BRIDGE OMISSION  
STA. 193 + 50.00 TO STA. 201 + 50.00**

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



**193 + 00.00**



**192 + 50.00**

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

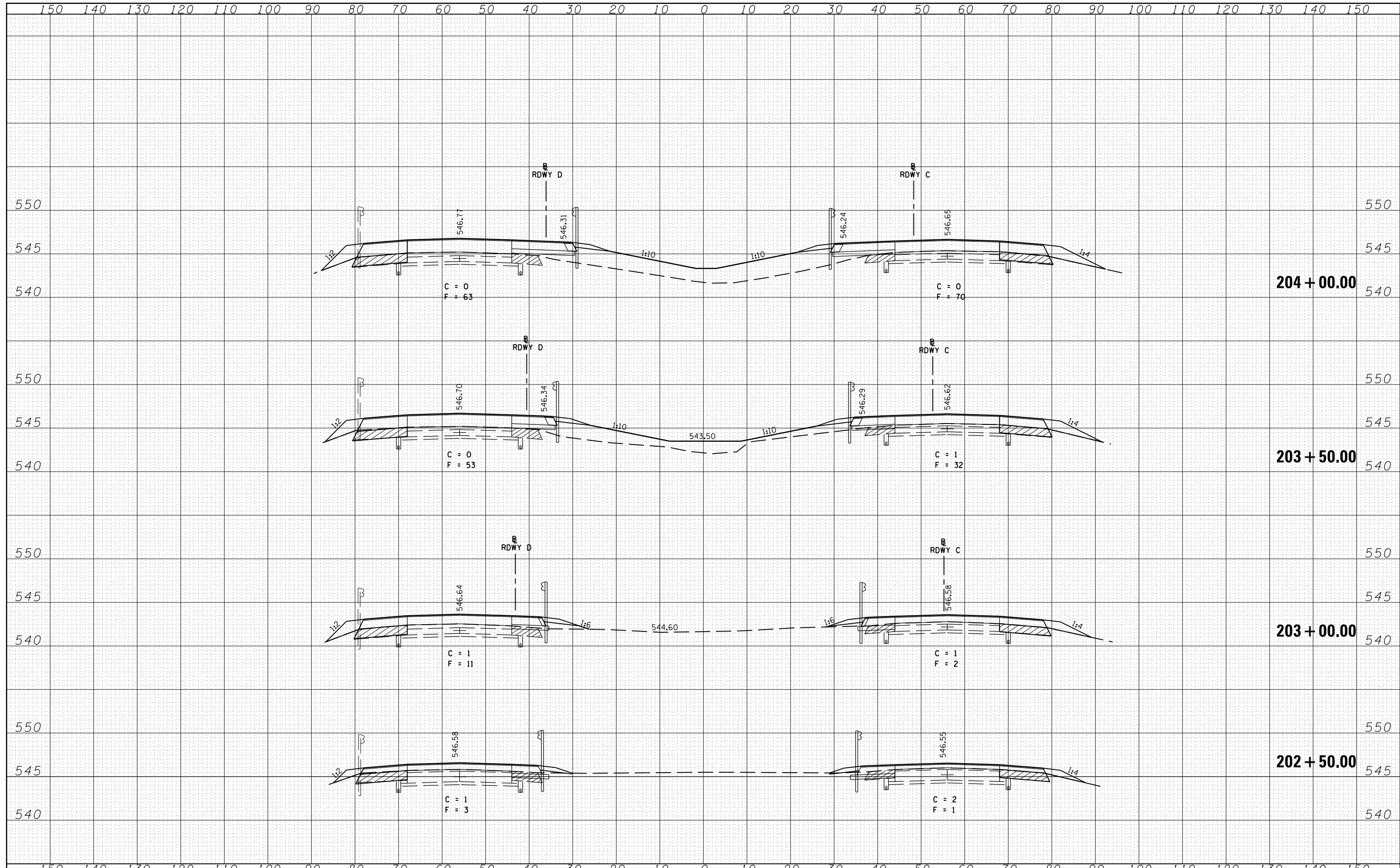
<b>CROSS SECTIONS IL ROUTE 106</b>			
<b>CROSS SECTIONS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	I(B2)	SCOTT	77	36
CONTRACT NO. 72B91				
ILLINOIS FED. AID PROJECT				



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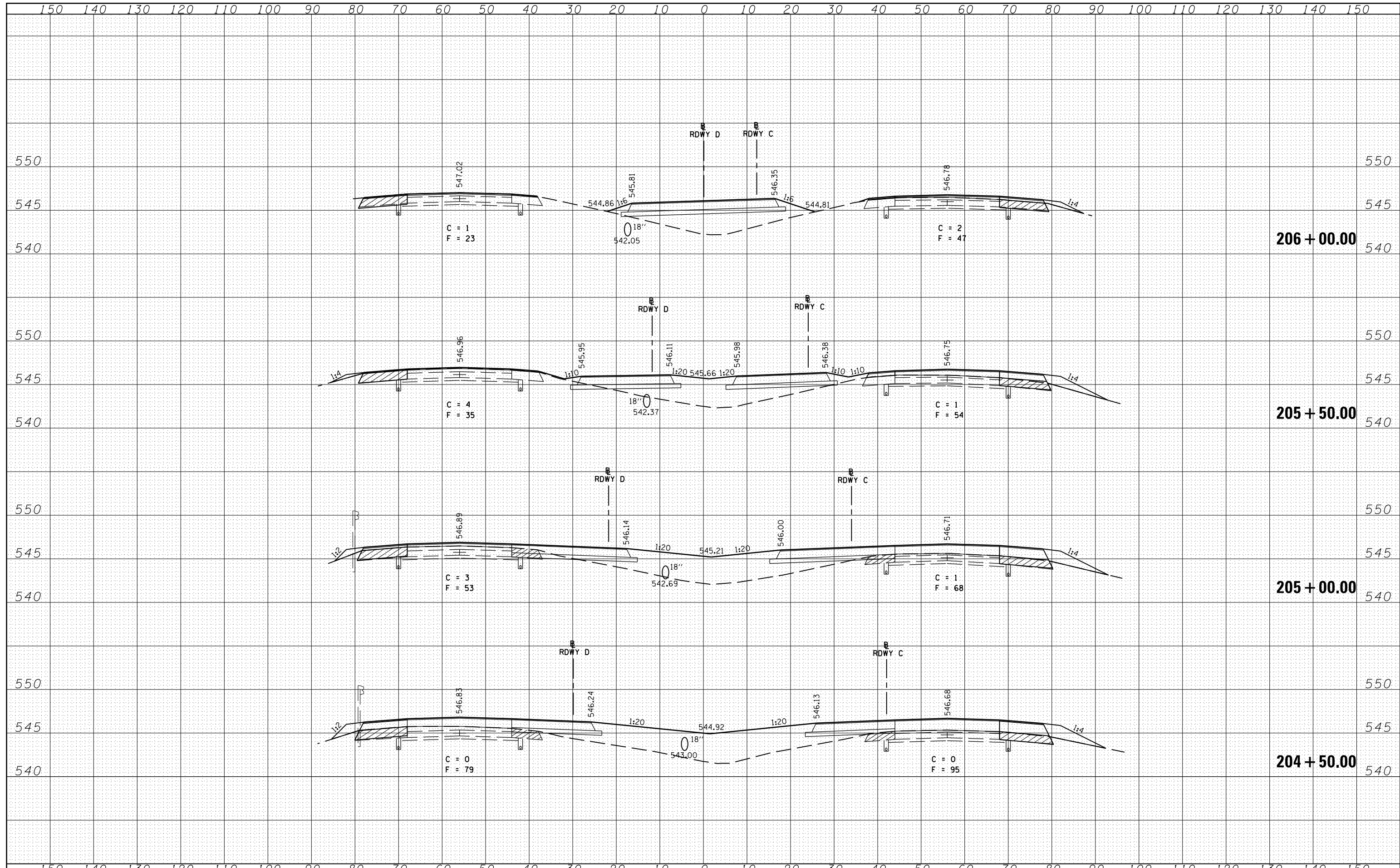
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FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\sparksgw\d0271413\0672E51...SHEET.dgn		DRAWN -	REVISED -		1-72	(84-10-1)I-7	SANGAMON	41	37			
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 72E51							
PLOT DATE = Jun-08-2011 09:44:55AM		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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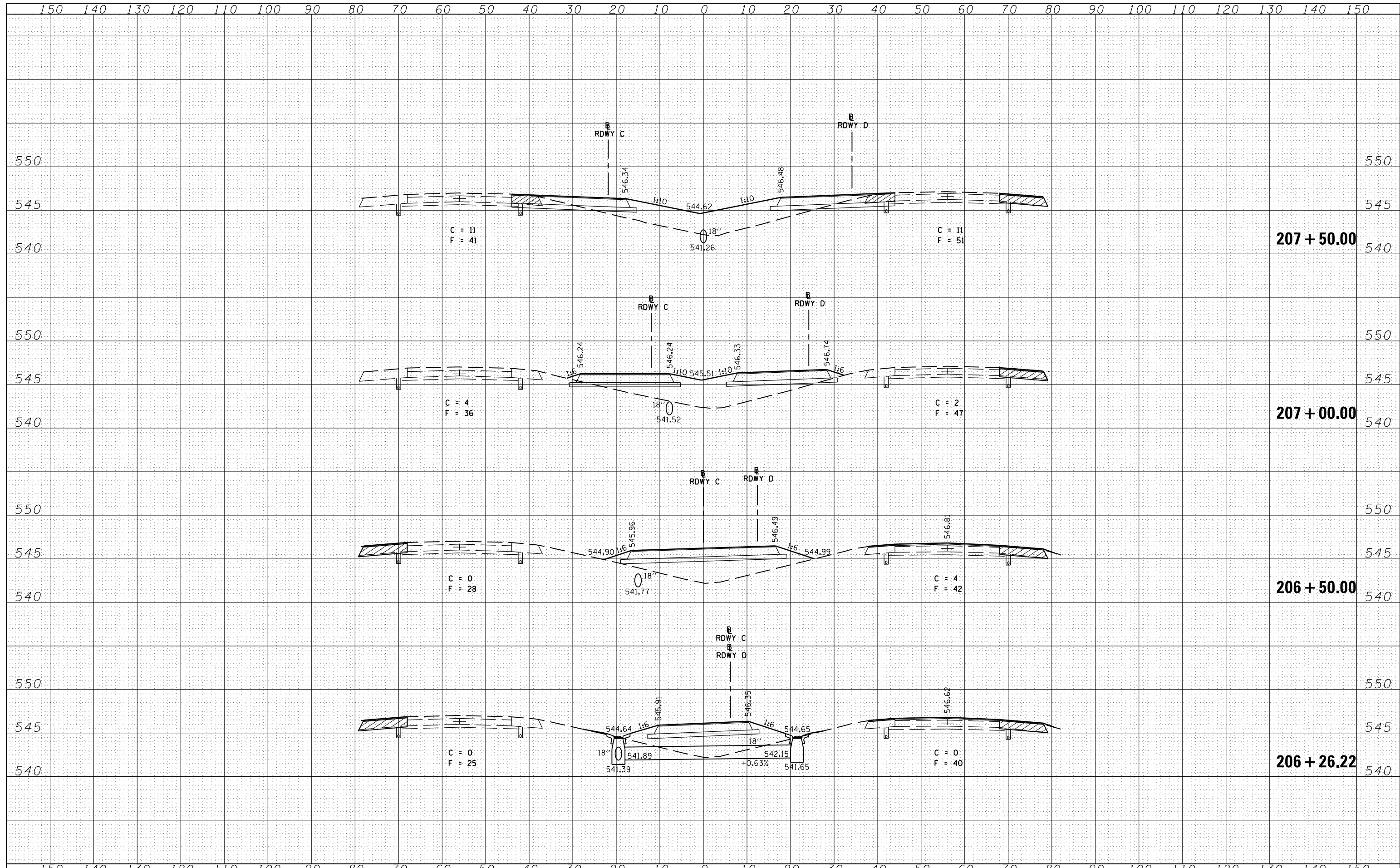
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FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwidot\sparksgw\d0271413\0672E51...SHEET.dgn	DRAWN -	REVISED -	I-72					(84-10-1)I-7	SANGAMON	41	38	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 72E51									
PLOT DATE = Jun-08-2011 09:44:56AM	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

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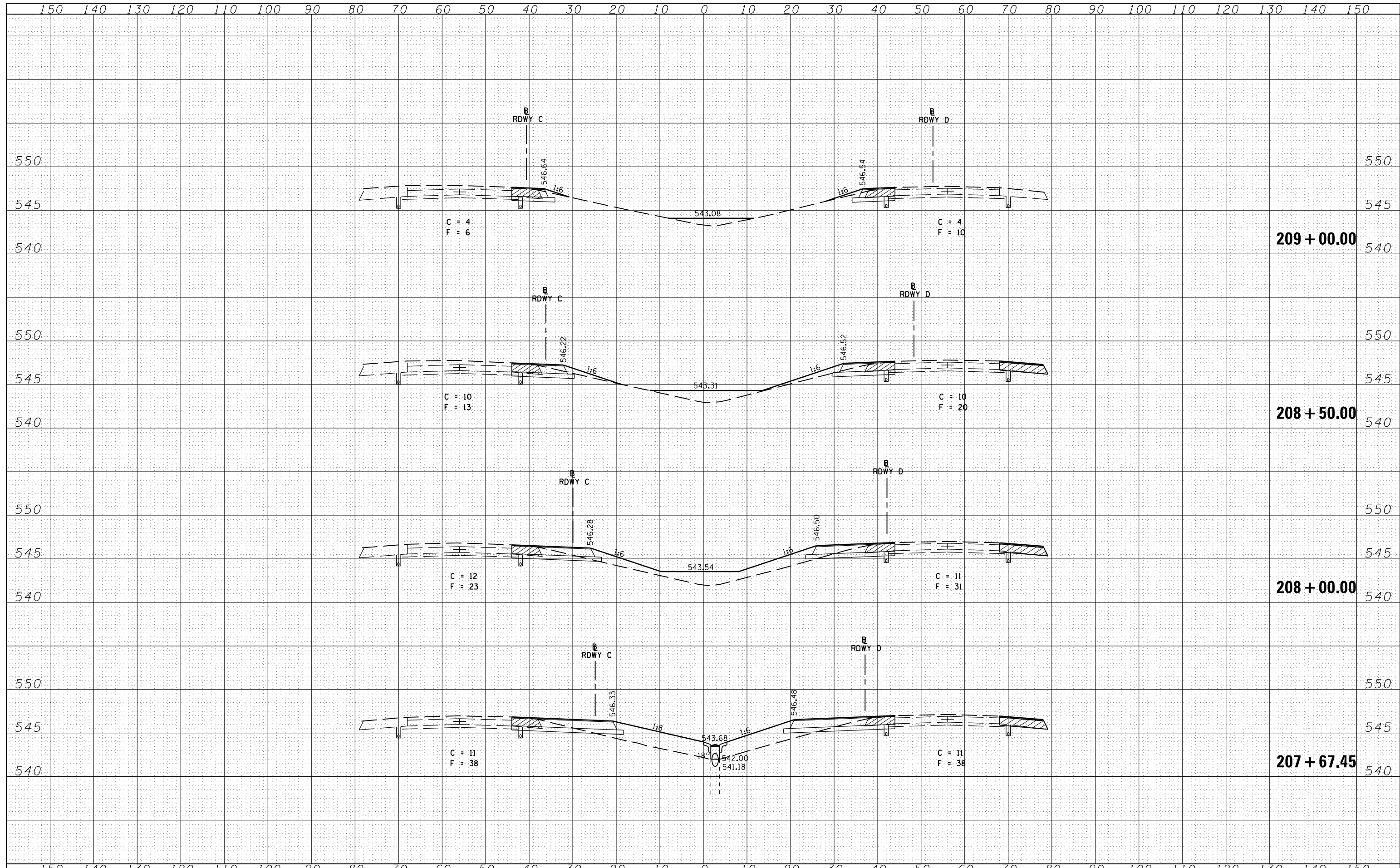
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FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISD -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p\dot\sparksgw\d0271413\0672E51...SHEET.dgn		DRAWN -	REVISD -		1-72	(84-10-1)1-7	SANGAMON	41	39			
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PLOT DATE = Jun-08-2011 09:44:56AM		DATE -	REVISD -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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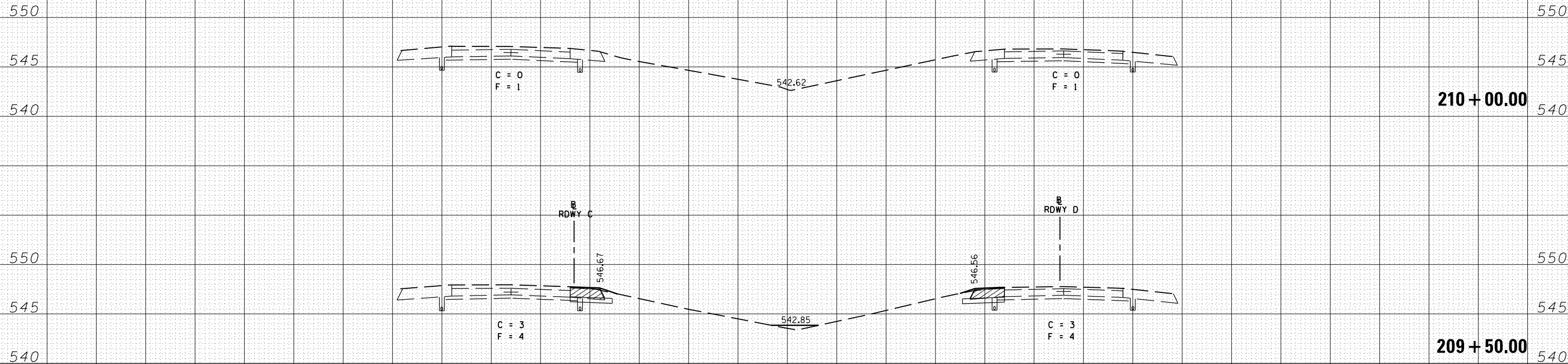
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FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	CHECKED

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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c:\pw\work\p\dot\sparksg\ad0271413\0672E51...SHEET.dgn		DRAWN -	REVISÉD -		I-72	(84-10-1)I-7	SANGAMON	41	41
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISÉD -		CONTRACT NO. 72E51				
PLOT DATE = Jun-08-2011 09:44:57AM		DATE -	REVISÉD -		ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.