

PART "A"

- 1 PART "A"
BEGIN IMPROVEMENT
SECTION (84-10-1RS-3, 84-10-2RS-4)BR, I
I-72 STATION 13+32.00 (EB) &
STA. 15+40.00 (WB)
- 2 SN 084-0150
STA. 48+76.46 (FAI 72) =
STA. 100+01.88 (MECHANICSBURG RD)
- 3 SN 084-2011
EXIST. BOX CULVERT
STA. 68+55.02
- 4 SN 084-0151
STA. 161+04.98 (FAI 172) =
STA. 200+00.00 (TR 171)
- 5 BRIDGE OMISSION:
SN 084-0152 OVER SANGAMON RIVER
STA. 193+08.04 TO STA. 201+56.86 (FAI 72, WB)
SN 084-0153 OVER SANGAMON RIVER
STA. 193+22.30 TO STA. 201+41.12 (FAI 72, EB)
- 6 SN 084-0154
STA. 269+23.08 (FAI 72) =
STA. 299+80.31 (TR 420)
- 7 PART "A"
END IMPROVEMENT
SECTION (84-10-1RS-3, 84-10-2RS-4)BR, I
STATION EQUATION:
STA. 295+70.43 (BK) = STA. 0+00.00 (AH)
- 8 PART "A"
SHOULDER RUMBLE STRIPS IMPROVEMENT
I-72/CLEARLAKE AVE.
STA. 34+00.00 TO STA. 70+81.00 (EB)
STA. 34+00.00 TO STA. 70+81.00 (WB)

PART "B"

- 8 PART "B"
BEGIN IMPROVEMENT
SECTION (84-10-1RS-3, 84-10-2RS-4)BR, I
STA. 276+08.75 (TR 420)
- 9 PART "B"
END IMPROVEMENT
SECTION (84-10-1RS-3, 84-10-2RS-4)BR, I
STA. 313+50.00 (TR 420)
- 10 PART "B"
BEGIN IMPROVEMENT
STA. 85+48.50 (CH 12)
- 11 PART "B"
END IMPROVEMENT
STA. 112+26.46 (CH 12)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

FAI 72 (I-72)
SECTION (84-10-1RS-3, 84-10-2RS-4)BR, I
PROJECT ACNHPP-0072(401)
HMA RESURFACING, BRIDGE REHABILITATION
SANGAMON COUNTY

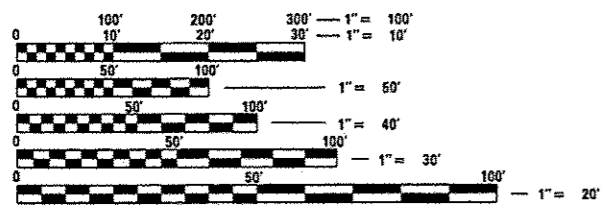
C-96-085-09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-72		SANGAMON	194	1
ILLINOIS			CONTRACT NO. 72C90	

(84-10-1RS-3, 84-10-2RS-4)BR, I
* 194 - 11 = 183 TOTAL SHEETS
D-96-085-09



FOR INDEX OF SHEETS, SEE SHEET NO. 2 OF 194

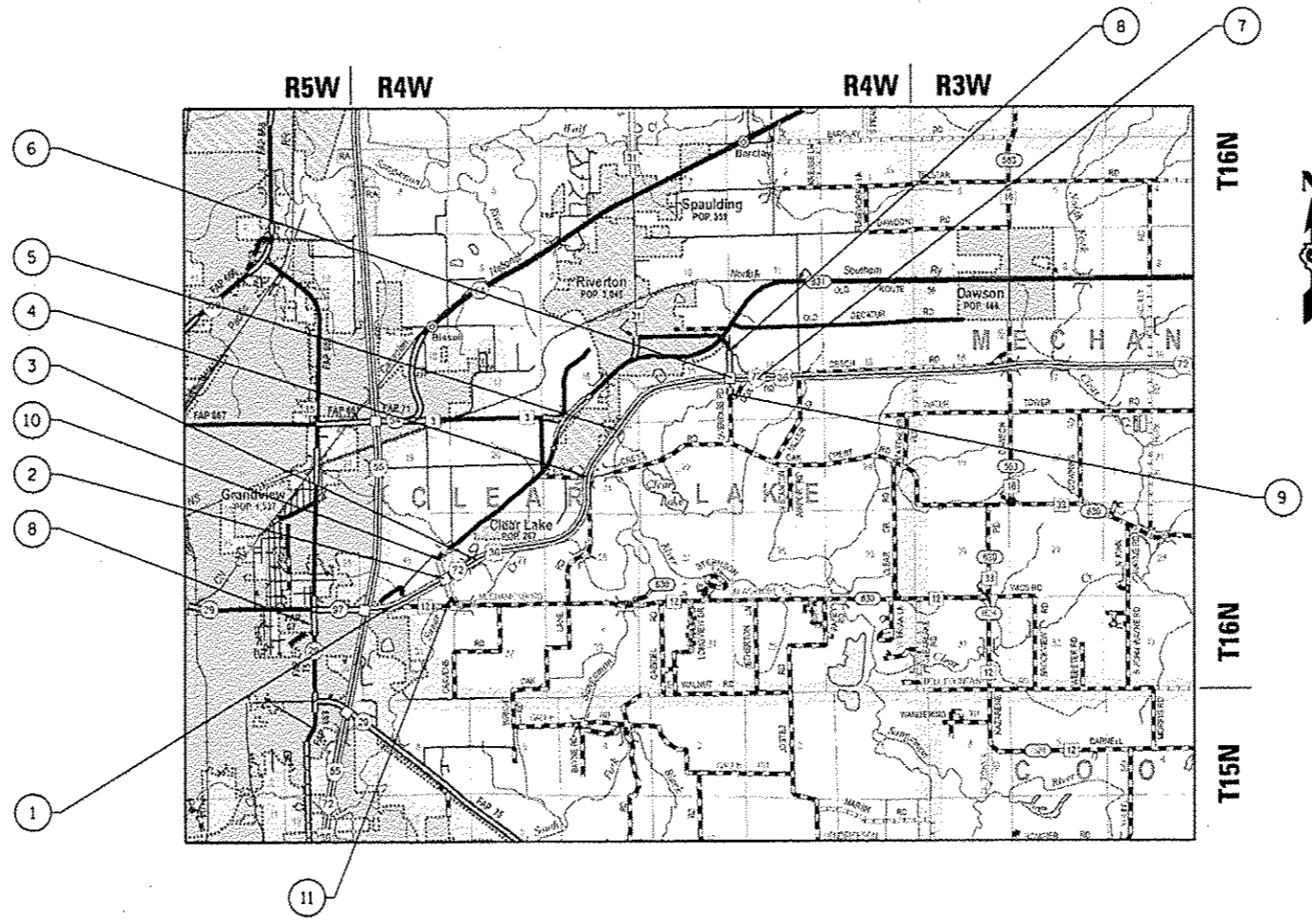


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: VINCE MADONIA (217) 785-9046
PROJECT MANAGER: VICTOR YOUNG (217) 557-7897

CONTRACT NO. 72C90



PART "A"
GROSS LENGTH = 27,389.61 FT = 5.187 MILES
NET LENGTH = 27,389.61 FT = 5.187 MILES

PART "B"
GROSS LENGTH = 17,889.02 FT = 3.388 MILES
NET LENGTH CH 12 (MECHANICSBURG RD.) = 16,300.00 FT = 0.309 MILES
NET LENGTH TR 420 (OVERPASS RD.) = 1,589.02 FT = 0.0301 MILES

4 12-30-13

FAI 72
FUNCTION CLASS = INTERSTATE
ADT (2012) 13,500
SU (2012) 610
MU (2012) 1,430
PV (2012) 11,460

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED September 6, 2013
Roger D. Dinkel
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 4, 2013
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

October 4, 2013
Emet Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

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 * * DELETE SHEETS 140 - 147

HIGHWAY STANDARDS

000001-06	701406-06	701201-04
001001-02	701411-08	701304-03
001006	701421-05	704001-07
442001-04	701422-05	442201-03
442101-07	701446-04	
635001-01	701456-02	
642001-02	701901-02	
701101-03	780001-03	
701106-02	781001-03	
701400-06	701321-13	
701401-07	701451-01	



NOTE: WHEREVER IN THESE PLANS SUMMARY OF QUANTITIES FOR PART "A" (PLAN SHEETS 16 - 17) AND SUMMARY OF QUANTITIES PART "B" (PLAN SHEETS 61 - 69) IS MENTIONED IT SHALL MEAN SCHEDULE OF QUANTITIES FOR PART "A" AND SCHEDULE OF QUANTITIES FOR PART "B". THE ONLY SUMMARY OF QUANTITIES THAT SHOULD BE USED FOR BIDDING PURPOSES IS THE COMBINED SUMMARY OF QUANTITIES THAT ARE PLAN SHEETS 3 THROUGH 13.

DISTRICT SIX		
EXAMINED	8/6	20 13
<i>Bill Byrd</i> OPERATIONS ENGINEER		
EXAMINED	July 29	20 13
<i>Jim Ford</i> PROJECT IMPLEMENTATION ENGINEER		
EXAMINED	July 30	20 13
<i>DRM W</i> PROGRAM DEVELOPMENT ENGINEER		

4 12-30-13

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY	BRIDGE	BRIDGE	BRIDGE
				0004 NONE	0014 S.N.084-0150	0014 S.N.084-0154	0014 S.N.084-0154
50102400	CONCRETE REMOVAL	CU YD	101.8		99.2	5.4	2.6
50104650	SLOPE WALL REMOVAL	SQ YD	18		10		8
50104720	REMOVAL OF EXISTING CONCRETE DECK	EACH	2		1		1
50105220	PIPE CULVERT REMOVAL	FOOT	236	236			
50157300	PROTECTIVE SHIELD	SQ YD	1092		596	343	496
50300225	CONCRETE STRUCTURES	CU YD	176.5		120.5		56
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1567.3		810.9	54	756.4
50300260	BRIDGE DECK GROOVING	SQ YD	2794		1247		1547
50300300	PROTECTIVE COAT	SQ YD	5069		2465	26	2604
50400805	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 36 IN.	FOOT	370		370		
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	26670		12900		13770
50500505	STUD SHEAR CONNECTORS	EACH	3366		1656		1710
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	384,540		193120	1330	191420
50800515	BAR SPLICERS	EACH	518		284	20	234

4 12-30-13

FILE NAME -	USER NAME - sparkaga	DESIGNED -	REVISED -
Default	Default	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
COMBINED- PARTS "A" & "B"

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-72		SANGAMON	194	7
			CONTRACT NO. 72C90	
ILLINOIS FED. AID PROJECT				

Rev.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE
				0004	0014	0014	0014
				NONE	S.N.084-0150	S.N. 084-0154	S.N. 084-0154
51100100	SLOPE WALL 4 INCH	SQ YD	18		10		8
51500100	NAME PLATES	EACH	2		1		1
52000110	PREFORMED JOINT STRIP SEAL	FOOT	270		136	72	134
52100110	FURNISHING ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	36		18		18
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	36		18		18
52100520	ANCHOR BOLTS, 1"	EACH	72		36		36
52100530	ANCHOR BOLTS, 1 1/4"	EACH	18		18		
52100540	ANCHOR BOLTS, 1 1/2"	EACH	18				18
54215547	METAL END SECTIONS 12"	EACH	8	8			
58700300	CONCRETE SEALER	SQ FT	2847		2455		392
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	9		5		4
60260100	INLETS TO BE ADJUSTED	EACH	2	2			
60500305	FILLING INLETS	EACH	6	6			
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	5494.1	5494.1			
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	144.2	144.2			

⚠
⚠

⚠ 12-30-13

FILE NAME :	USER NAME : sporkaga	DESIGNED -	REVISED - ⚠ 10/28/13
Default	Plot Scale : 1/8" = 1'-0"	CHECKED -	REVISED -
	Plot Date : Sep-06-2013 10:45:27AM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
COMBINED- PARTS "A" & "B"

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-72		SANGAMON	194	8
			CONTRACT NO. 72C90	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE ROADWAY 0004 NONE	90% FED 10% STATE BRIDGE 0014 S.N.084-0150	90% FED 10% STATE BRIDGE 0014 S.N. 084-0151	90% FED 10% STATE BRIDGE 0014 S.N. 084-0154
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	1	1			
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1			
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1			
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1			
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	8	8			
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1			
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1			
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1			
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1			
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1	1			
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1	1			
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30	30			
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1			
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	16	16			
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1			

1

4

1

1

4 12-30-13

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE
				0004	0014	0014	0014
				NONE	S.N.084-0150	S.N. 084-0151	S.N. 084-0154
X6050700	REMOVE INLET BOX	EACH	8	8			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
<u>X7200201</u>	<u>WIDTH RESTRICTION SIGNING</u>	L SUM	1	1			
* X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	139241	139241			
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	354	354			
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	54		27		27
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	13,700		6800		6900
Z0003615	REMOVAL OF EXISTING CONCRETE I-BEAM	EACH	14		14		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	173		145		28
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	20			20	
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	10			10	
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	50			50	
Ø Z0076600	TRAINEES	HOUR	2000	2000			
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	8		4		4
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	2000	2000			
Z0023600	FILLING EXISTING CULVERTS	EACH	2	2			
Z0032300	JACKING EXISTING SUPERSTRUCTURE	L SUM	1		0.5		0.5
Z0034105	MATERIAL TRANSFER DEVICE	TON	49,286	49,286			

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Ø0042

* SPECIALTY ITEM

18

△ 12-30-13

△ Rev. 11-1-13 Rev.

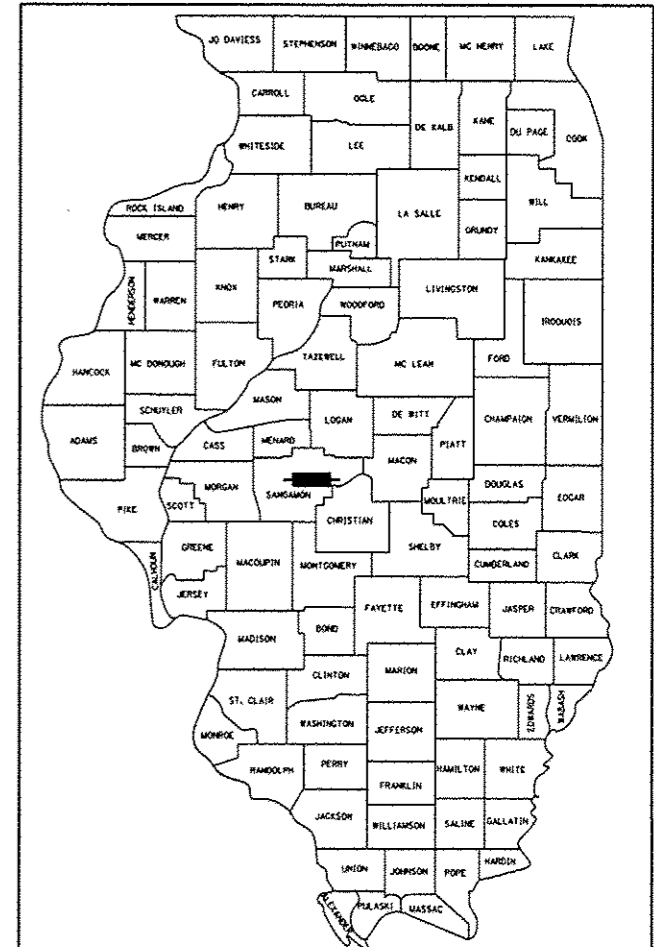
PART A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-72	84-10-1)RS-3, (84-10-2)RS-4	SANGAMON	194	14
CONTRACT NO. 72C90			D-96-085-09 PART "A" SHEET 1 OF 45	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI 72 (I-72)
SECTION (84-10-1)RS-3, (84-10-2)RS-4
PROJECT
HMA RESURFACING
SANGAMON COUNTY



LOCATION OF SECTION INDICATED THUS: - [Black Box] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

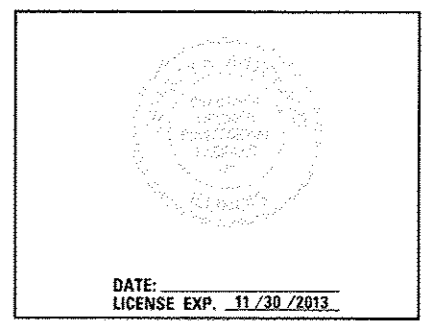
SUBMITTED _____ 20 _____

DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
_____ 20 _____

ENGINEER OF DESIGN AND ENVIRONMENT
_____ 20 _____

DIRECTOR OF HIGHWAYS, CHIEF ENGINEER
_____ 20 _____

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**



HE
HOELSCHER
ENGINEERING

11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
(618) 624-0610
(618) 624-0611 (Fax)

2501 Chatham Road, Suite 120
Springfield, Illinois 62704
(217) 698-8010
(217) 698-0608 (Fax)

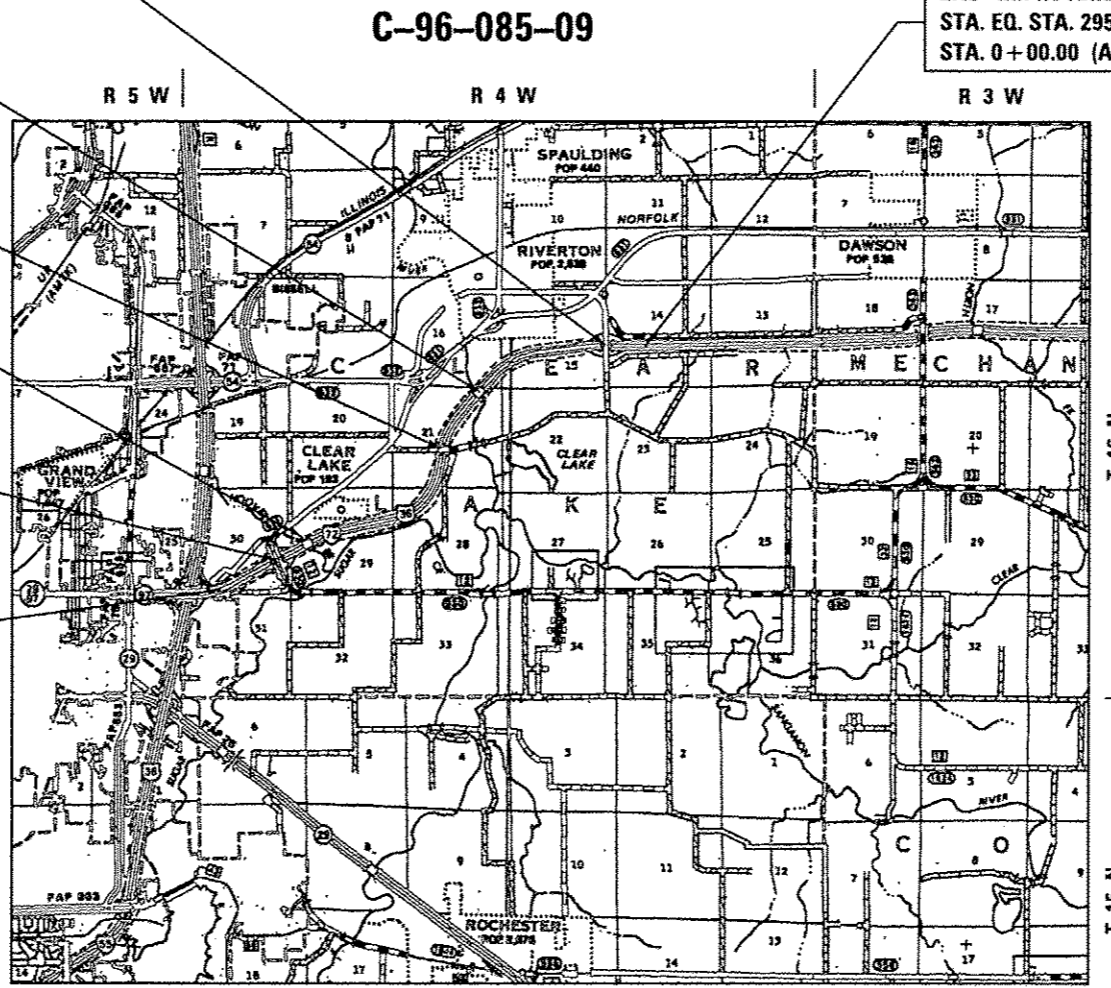
INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES AND COMMITMENTS
3-4	SUMMARY OF QUANTITIES
5-7	TYPICAL SECTIONS
8-15	SCHEDULES
16-40	PLAN SHEETS
41-42	SUPERELEVATION DETAILS
43-44	BUTT JOINT AND HMA RAMP DETAILS
45	EMERGENCY CROSSOVER DETAILS

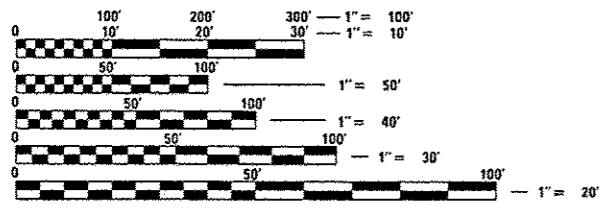
HIGHWAY STANDARDS

000001-06	701401-07
001001-02	701406-07
001006	701411-08
442001-04	701421-05
442101-07	701422-05
635001-01	701446-04
642001-02	701456-02
701101-03	701901-02
701106-02	780001-03
701400-06	781001-03

- SN 084-0154
STA. 299+80.31 TR 420 =
STA. 269+23.08 FAI 72
- BRIDGE OMISSION:
SN 084-0152 WB STA. 193+08.04 TO
STA. 201+56.86 FAI 72
SN 084-0153 EB STA. 193+22.30 TO
STA. 201+41.12 FAI 72
OVER SANGAMON RIVER
- SN 084-0151
STA. 200+00.00 TR 171 =
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- SN 084-2011
EXIST. BOX CULV.
STA. 68+55.02
- SN 084-0150
STA. 100+01.88 MECHANICSBURG RD. =
STA. 48+76.46 FAI 72
- BEGIN IMPROVEMENT
I-72 STA. 13+32.00 EB
STA. 15+40.00 WB



END IMPROVEMENT I-72
STA. EQ. STA. 295+70.43 (BK) =
STA. 0+00.00 (AH)



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: **WONN MADAN** (617) 277-7894
PROJECT MANAGER: **WONN MADAN** (617) 277-7894
CONTRACT NO. 72C90

12-30-13

FAI 72
FUNCTION CLASS=INTERSTATE
A.D.T. (2012) 13,500
SU (2012) 610
MU (2012) 1,430
PV (2012) 11,460

NET LENGTH OF FAI 72 = 27,389.61 FT = 5.187 MILES
TOTAL LENGTH OF PROJECT = 27,389.61 FT = 5.187 MILES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				90% FED 10% STATE ROADWAY 0005 NONE	
67100100	MOBILIZATION	L SUM	1	1	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1	
70100315	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	EACH	1	1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	8	8	
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1	
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1	
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1	1	
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1	1	
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30	30	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	16	16	
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	13647	13647	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	130	130	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				90% FED 10% STATE ROADWAY 0005 NONE	
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	144030	144030	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	933	933	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	7100	7100	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	748	748	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	4504	4504	
78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND	SQ FT	130	130	
78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	15509	15509	
78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	933	933	
78004240	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 8"	FOOT	7100	7100	
78004250	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"	FOOT	748	748	
78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	128524	128524	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1763	1763	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1763	1763	
X0320157	CLEANING UNDERDRAIN OUTLETS	EACH	330	330	
X2503000	MAINTENANCE MOWING	ACRE	156	156	
X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	128524	128524	

4

12-30-13

* ITEM REQUIRES SPECIAL PROVISION

USER NAME = sparksgw	DESIGNED - BTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLGT SCALE = 2.0000' / in.	DRAWN - BTM	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	SANGAMON	194	17
PLGT DATE = Sep-06-2013 07:43:37AM	CHECKED - JSA	REVISED -								* (84-10-1)RS-3, (84-10-2)RS-4	CONTRACT NO. 72C90	
	DATE - 12/19/12	REVISED -							ILLINOIS FEB. AID PROJECT			



LOCATION OF SECTION INDICATED THUS: - [shaded box] -

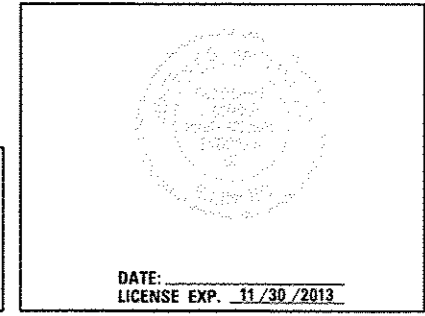
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED _____ 20 _____
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

_____ 20 _____
ENGINEER OF DESIGN AND ENVIRONMENT

_____ 20 _____
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

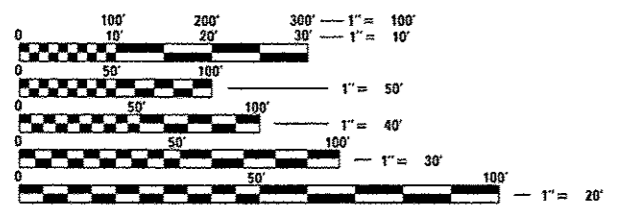
FAI 72 (I-72)
SECTION 84-10-1RS-3, 84-10-2RS-4)BR,I
PROJECT
HMA RESURFACING, BRIDGE REHABILITATION
SANGAMON COUNTY

INDEX OF SHEETS

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HIGHWAY STANDARDS

000001-06	701401-07
001001-02	701406-07
001006	701411-08
442001-04	701421-05
442101-07	701422-05
442201-03	701446-04
635001-01	701451-01
642001-02	701456-02
701101-03	701502-05
701106-02	701901-02
701201-04	780001-03
701306-03	781001-03
701321-13	
701400-06	



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

SENIOR TEAM ENGINEER : VINCE MADONIA (217) 785-9046
TEAM ENGINEER : VICTOR YOUNG (217) 524-0472
CONTRACT NO. 72C90

SN 084-0154
STA. 299 + 80.31 TR 420 =
STA. 269 + 23.08 FAI 72

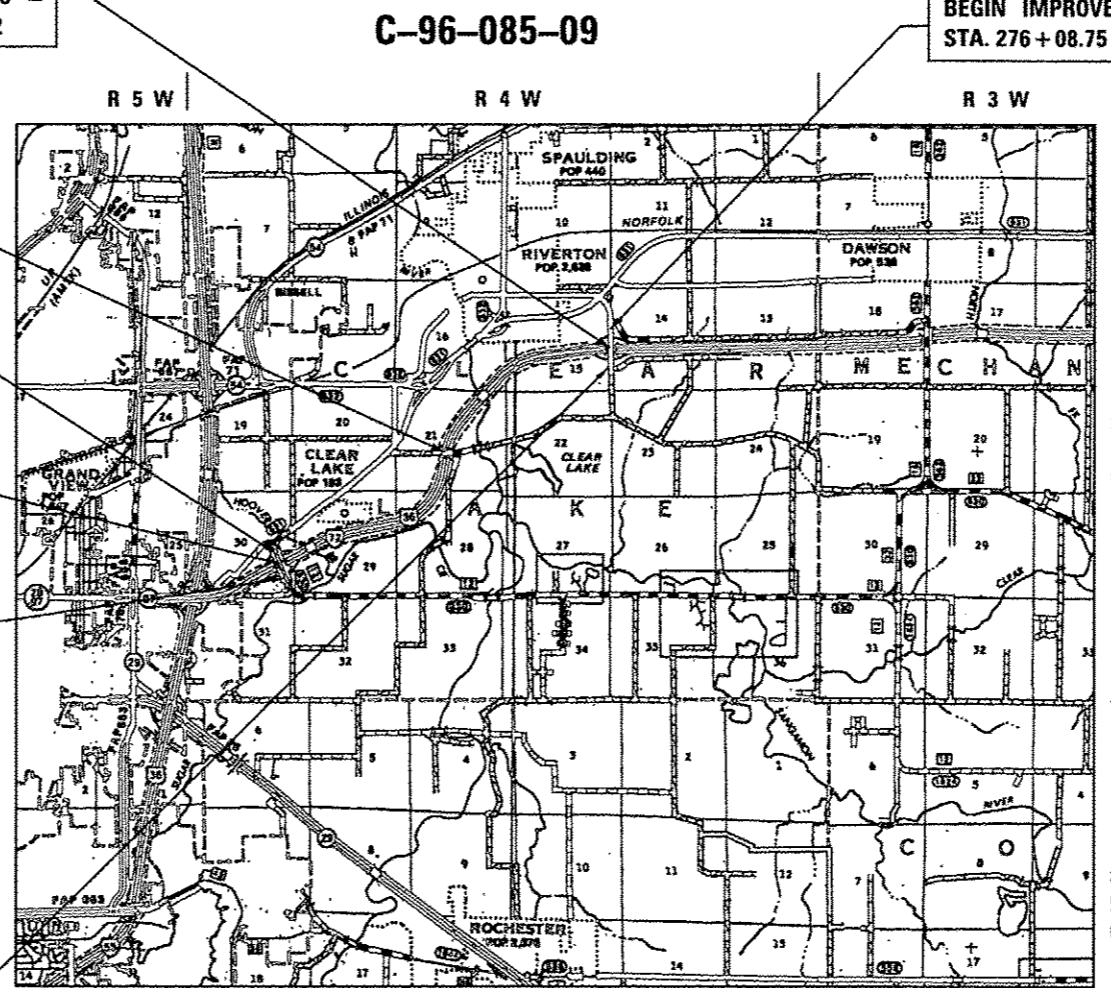
SN 084-0151
STA. 200 + 00.00 TR 171 =
STA. 161 + 04.98 FAI 72

BEGIN IMPROVEMENT
STA. 85.48.50 CH 12

SN 084-0150
STA. 100 + 01.88 MECHANICSBURG RD. =
STA. 48 + 76.46 FAI 72

END IMPROVEMENT
STA. 112 + 26.46 CH 12

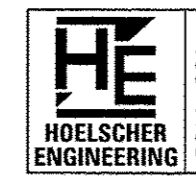
END IMPROVEMENT
STA. 313 + 50.00 TR 420



FAI 72	CH 12 (MECHANICSBURG RD.)	TR 171 (OAK CREST RD.)	TR 420 (OVERPASS RD.)
FUNCTION CLASS=INTERSTATE	FUNCTION CLASS= OTHER PRINCIPAL Arterial	FUNCTION CLASS=LOCAL ROAD	FUNCTION CLASS=LOCAL ROAD
A.D.T. (2012) 13,500	A.D.T. (2012) 4450	A.D.T. (2012) 2000	A.D.T. (2012) 2150
SU (2012) 610	SU 310	SU 180	SU 150
MU (2012) 1,430	MU 220	MU 60	MU 110
PV (2012) 11,460	PV 3920	PV 1760	PV 1890

NET LENGTH OF CH 12 (MACHANICSBURG RD.) = 1,6300.00 FT = 0.309 MILES
NET LENGTH OF TR 420 (OVERPASS RD.) = 1,589.02 FT = 0.0301 MILES
TOTAL LENGTH OF PROJECT = 17,889.02 FT = 3.388 MILES

12-30-13



11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
(618) 624-8632
(618) 624-8611 (fax)

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

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE
				0004	0014	0014	0014
				NONE	S.N. 084-0150	S.N. 084-0151	S.N. 084-0154
42001500	P.C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT	SQ YD	134	134			
44000100	PAVEMENT REMOVAL	SQ YD	736	736			
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	11354	11354			
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	4818	4818			
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	2863	2863			
44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	4392	4392			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6956.4	6956.4			
44003100	MEDIAN REMOVAL	SQ FT	633.2	633.2			
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	95	95			
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	70	70			
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	100	100			
48101200	AGGREGATE SHOULDERS, TYPE B	TON	957	957			
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1996	1996			
50102400	CONCRETE REMOVAL	CU YD	101.8	99.2		4	2.6

4 12-30-13

* ITEM REQUIRES SPECIAL PROVISION

USER NAME : sparksgv PLDT SCALE : 2.8800 / 1/2" PLDT DATE : Sep-96-2013 09:08:55AM	DESIGNED - BTM DRAWN - BTM CHECKED - JSA DATE - 12/19/12	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES SCALE: SHEET NO. OF SHEETS STA. TO STA.	F.A.I. RTE. 1722 SECTION * COUNTY SANGAMON TOTAL SHEETS 194 SHEET NO. 63 * (84-10-1RS-3,84-10-2RS-4)BR.1 ILLINOIS FED. AID PROJECT CONTRACT NO. 72C90 (84-10-1,2)RS-3 & (84-10-2)RS-4
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE ROADWAY 0004	90% FED 10% STATE BRIDGE 0014	90% FED 10% STATE BRIDGE 0014	90% FED 10% STATE BRIDGE 0014
				NONE	S.N. 084-0150	S.N. 084-0151	S.N. 084-0154
50104650	SLOPE WALL REMOVAL	SQ YD	18		10		8
50104720	REMOVAL OF EXISTING CONCRETE DECK	EACH	2		1		1
50105220	PIPE CULVERT REMOVAL	FOOT	236	236			
50157300	PROTECTIVE SHIELD	SQ YD	1092		596	343	496
50300225	CONCRETE STRUCTURES	CU YD	175.6		120.5		55.1
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1567.3		810.9	54	756.4
50300260	BRIDGE DECK GROOVING	SQ YD	2794		1247		1547
50300300	PROTECTIVE COAT	SQ YD	5069		2465	26	2604
50400805	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 36 IN.	FOOT	370		370		
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	26670		12900		13770
50500505	STUD SHEAR CONNECTORS	EACH	3366		1656		1710
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	384,540		193120	4330	191410
50800515	BAR SPLICERS	EACH	518		284	20	234
51100100	SLOPE WALL 4 INCH	SQ YD	18		10		8

4 12-30-13

* ITEM REQUIRES SPECIAL PROVISION

USER NAME : sparkg	DESIGNED - BTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.I. RTE. 1722	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 194	SHEET NO. 64
PLOT SCALE = 2.0000' / in.	DRAWN - BTM	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	* (84-10-1RS-3,84-10-2RS-4)BR.1 CONTRACT NO. 72C90		
PLOT DATE = Sep-06-2013 09:01:38AM	CHECKED - JSA	REVISED -		ILLINOIS FED. AID PROJECT								
	DATE - 12/19/12	REVISED -		84-10-1,2RS-3 & 84-10-2RS-4								

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE
				0004	0014	0014	0014
				NONE	S.N. 084-0150	S.N. 084-0154	S.N. 084-0154
51500100	NAME PLATES	EACH	2		1		1
52000110	PREFORMED JOINT STRIP SEAL	FOOT	270		136	72	134
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	36		18		18
52100520	ANCHOR BOLTS, 1"	EACH	72		36		36
52100530	ANCHOR BOLTS, 1 1/4"	EACH	18		18		
52100540	ANCHOR BOLTS, 1 1/2"	EACH	18				18
54215547	METAL END SECTIONS 12"	EACH	8	8			
58700300	CONCRETE SEALER	SQ FT	2847		2455		392
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	9		5		4
60260100	INLETS TO BE ADJUSTED	EACH	2	2			
60500305	FILLING INLETS	EACH	6	6			
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	5494.1	5494.1			
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	144.2	144.2			
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	11460.1	11460.1			

4

4 12-30-13

* ITEM REQUIRES SPECIAL PROVISION

USER NAME = sparkkgv	DESIGNED - BTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				P.A.I. RTE. 1722	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 194	SHEET NO. 65
PLDT SCALE = 2.0000 / in.	DRAWN - BTM	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	* (84-10-1RS-3, 84-10-2RS-4) BR. I	CONTRACT NO. 72C90	
PLDT DATE = Sep-06-2013 09:02:08AM	CHECKED - JSA	REVISED -		ILLINOIS FED. AID PROJECT								
DATE - 12/19/12	DATE - 12/19/12	REVISED -		(84-10-1, 2) RS-3 & (84-10-2) RS-4								

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE
				0004	0014	0014	0014
				NONE	S.N. 084-0150	S.N. 084-0151	S.N. 084-0154
60622400	CONCRETE MEDIAN, TYPE SM-G.06	SQ FT	3496.1	3496.1			
X6061702	CONCRETE MEDIAN, TYPE SM (DOWELLED)	SQ FT	3496.1	3496.1			
60900315	TYPE D INLET BOX, STANDARD 609006	EACH	8	8			
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	525	525			
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	6	6			
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	6	6			
63200310	GUARDRAIL REMOVAL	FOOT	1238	1238			
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	175	175			
63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	2	2			
63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	2	2			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4			
67100100	MOBILIZATION	L SUM	1	1			
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	1	1			
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1			
70100315	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	EACH	1	1			

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△ 12-30-13

△ 4

14

USER NAME = sparksgw	DESIGNED - BTM	REVISED - 10/28/13
PLOT SCALE = 2.0000" / 1"	DRAWN - BTM	REVISED -
PLOT DATE = Sep-06-2013 09:02:36AM	CHECKED - JSA	REVISED -
	DATE - 12/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

* ITEM REQUIRES SPECIAL PROVISION				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172	*	SANGAMON	194	66
* (84-10-1R5-3,84-10-2R5-4)BR.1			CONTRACT NO. 72C90	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE
				0004 NONE	0014 S.N. 084-0150	0014 S.N. 084-0151	0014 S.N. 084-0154
4 70100406	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2	2			
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1			
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1			
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1			
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1	1			
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1			
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1			
4 70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1			
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	8	8			
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1524	1524			
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	508	508			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1412.5	1412.5			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1412.5	1412.5			
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4			
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4			4

4 12-30-13

* ITEM REQUIRES SPECIAL PROVISION

USER NAME = spcrhag PLOT SCALE = 2.0000' / in. PLOT DATE = Sep-05-2013 09:03:06AM	DESIGNED - BTM DRAWN - BTM CHECKED - JSA DATE - 12/19/12	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES SCALE: SHEET NO. OF SHEETS STA. TO STA.	F.A.I. RTE. 1722 SECTION * COUNTY SANGAMON TOTAL SHEETS 194 SHEET NO. 67 CONTRACT NO. 72C90 ILLINOIS FED. AID PROJECT 184-10-1,2,1RS-3 & 184-10-2,1RS-4
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE ROADWAY 0004 NONE	90% FED 10% STATE BRIDGE 0014 S.N. 084-0150	90% FED 10% STATE BRIDGE 0014 S.N. 084-0154	90% FED 10% STATE BRIDGE 0014 S.N. 084-0154
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1			
X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	10717	10717			
X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	354	354			
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	54		27		27
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	13700		6800		6900
Z0003615	REMOVAL OF EXISTING CONCRETE I-BEAM	EACH	14		14		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	173		145		28
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	20			20	
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	10			10	
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	50			50	
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	8		4		4
Z0023600	FILLING EXISTING CULVERTS	EACH	2	2			
Z0032300	JACKING EXISTING SUPERSTRUCTURE	L SUM	2		1		1
Z0041500	PLUG EXISTING CULVERTS	EACH	8	8			
Z0053700	RESETTING SURVEY MONUMENTS	EACH	1	1			

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△ 12-30-13

* ITEM REQUIRES SPECIAL PROVISION

USER NAME = sporksg	DESIGNED - BTM	REVISED - △ 10/28/13
PLOT SCALE = 2,000' / 1" IN.	DRAWN - BTM	REVISED -
PLOT DATE = Sep-06-2013 09:04:05AM	CHECKED - JSA	REVISED -
	DATE - 12/19/12	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.
1722	*	SANGAMON	194	69
* (84-10-IRS-3,84-10-2RS-4)BR.1 ILLINOIS FED. AID PROJECT CONTRACT NO. 72C90				

GUARDRAIL SCHEDULE										
LOCATION	STATION	TO	STATION	GUARDRAIL REM (FOOT)	SPBGR, TYA, 6' POSTS (FOOT)	REM & RE-ERECT SPBGR TY A (FOOT)	TRAF BAR TERM, TY 1 (SPEC) TANGENT (EACH)	REM & RE-ERECT TRAF BAR TERM TY 1 (EACH)	TRAF BAR TERM, TY 6 (EACH)	REM & RE-ERECT TRAF BAR TERM, TY 6 (EACH)
MECHANICSBURG RD. MAINLINE										
	97+04.00 RT	TO	98+87.00 RT	183						
	97+29.00 RT	TO	97+54.00 RT				1			
	97+54.00 RT	TO	98+41.50 RT		87.5					
	98+41.50 RT	TO	98+84.64 RT					1		
	* 101+39.60 RT	TO	101+82.74 RT						1	
	* 101+82.74 RT	TO	102+70.24 RT		87.5					
	* 102+70.24 RT	TO	102+95.24 RT				1			
	101+39.60 RT	TO	102+95.24 RT	156						
	* 97+46.00 LT	TO	97+71.00 LT					1		
	* 97+71.00 LT	TO	98+58.50 LT			87.5				
	* 98+58.50 LT	TO	99+01.64 LT							1
	97+46.00 LT	TO	99+01.64 LT	156						
	101+31.00 LT	TO	103+12.00 LT	181						
	101+31.36 LT	TO	101+74.50 LT						1	
	101+74.50 LT	TO	102+62.00 LT		87.5					
	102+62.00 LT	TO	102+87.00 LT				1			
TR 420 MAINLINE										
	297+26.00 RT	TO	297+51.00 RT	125						
	296+91.00 RT	TO	297+16.00 RT				1			
	297+16.00 RT	TO	298+03.50 RT		87.5					
	298+03.50 RT	TO	298+46.64 RT						1	
	* 301+09.36 RT	TO	301+52.50 RT						1	
	* 301+52.50 RT	TO	302+40.00 RT		87.5					
	* 302+40.00 RT	TO	302+65.00 RT				1			
	301+09.36 RT	TO	302+65.00 RT	156						
	* 296+91.00 LT	TO	297+16.00 LT					1		
	* 297+16.00 LT	TO	298+03.50 LT			87.5				
	* 298+03.50 LT	TO	298+46.64 LT							1
	296+91.00 LT	TO	298+46.64 LT	156						
	301+09.00 LT	TO	302+34.00 LT	125						
	301+09.36 LT	TO	301+52.50 LT						1	
	301+52.50 LT	TO	302+40.00 LT		87.5					
	302+40.00 LT	TO	302+65.00 LT				1			
TOTALS =				1,238	525.0	175	6	2	6	2

* FOR STAGE CONSTRUCTION ONLY

EROSION CONTROL SCHEDULE				
LOCATION	STATION	TO	STATION	PERIMETER EROS BAR (FOOT)
MECHANICSBURG RD. MAINLINE				
	88+00.00 LT	TO	93+65.00 LT	572
	90+50.00 RT	TO	93+40.00 RT	338
	106+80.00 LT	TO	112+27.00 LT	544
	107+00.00 RT	TO	112+27.00 RT	538
TR 420 MAINLINE				
	291+50.00 LT	TO	293+10.00 RT	174
	292+70.00 RT	TO	293+25.00 RT	98
	306+35.00 LT	TO	308+50.00 LT	272
	306+45.00 RT	TO	308+50.00 RT	218
TOTAL =				2,754

TRAFFIC CONTROL SCHEDULE							
LOCATION	STATION	TO	STATION	TEMP CONC BAR (FOOT)	RELOCATE TEMP CONC BAR (FOOT)	IMP ATTN TEMP (FULL RE-DIRECT, NARROW) TEST LVL 3 (EACH)	IMP ATTN RELOCATE (FULL RE-DIRECT, NARROW) TEST LVL 3 (EACH)
MECHANICSBURG RD. MAINLINE							
STAGE I	96+53.00 LT	TO	96+59.00 LT			1	
	96+59.00	TO	103+59.00	700			
	103+59.00 LT	TO	103+85.00 LT			1	
STAGE II	96+52.00 RT	TO	96+58.00 RT				1
	96+58.00	TO	103+58.00	700			
	103+58.00 RT	TO	103+84.00 RT				1
TR 420 MAINLINE							
STAGE I	196+90 RT						
	197+31.70 LT	TO	197+37.70 LT			1	
	197+37.70	TO	202+74.80	537.5			
	202+74.80 LT	TO	202+80.80 LT			1	
STAGE II	197+44.00 RT	TO	197+50.00 RT				1
	197+50.00	TO	202+62.40	512.5			
	202+62.40 RT	TO	202+68.40 RT				1
	204+55 RT						
TR 420 MAINLINE							
STAGE I	296+18.00 LT	TO	296+22.00 LT			1	
	296+22.00	TO	303+34.00	712.5			
	303+34.00 LT	TO	303+40.00 LT			1	
STAGE II	296+18.00 RT	TO	296+22.00 RT				1
	296+22.00	TO	303+34.00	712.5			
	303+34.00 RT	TO	303+40.00 RT				1
TOTALS =				1,412.5	1,412.5	4	4

4

4 REVISED 12-30-13