06-14-13 LETTING ITEM 073

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3) RS-5	SANGAMON	95	1
	ILLINOIS	CONTRACT NO. 72C88		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAI ROUTE 72 (I-72)
SECTION (84-10-3)RS-5
PROJECT ACIM-0072(006)
RESURFACING, BRIDGE REHABILITATION
SANGAMON COUNTY

C-96-083-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2 of 95

JAMES PAUL BIGGERS 25136 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

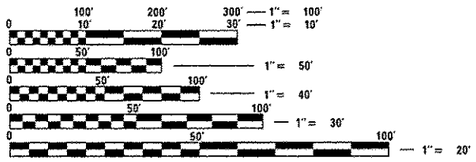
JAMES PAUL BIGGERS, P.E.

DATE 9/9/2013

LICENSE EXPIRES 11/30/13

PLANS PREPARED BY:

JOHNSON, DEPP & QUISENBERRY
CONSULTING ENGINEERS
6450 South Sixth Street Road, Suite B Springfield, Illinois 62712
Phone: (217) 529-4534 Fax: (217) 529-8278

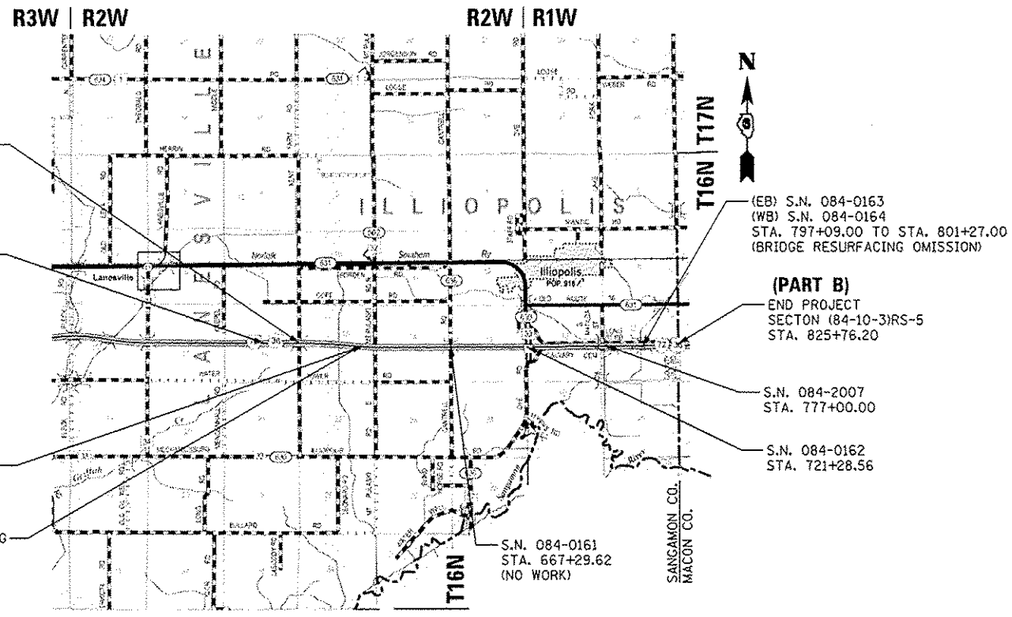


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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. 72C88



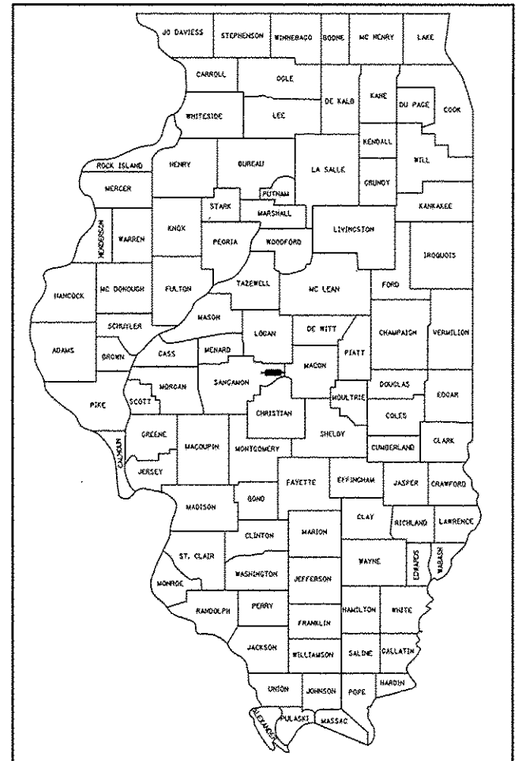
LOCATION MAP

2 MILES 0 2 4

(PART A) GROSS LENGTH = 7,055.00 FT. = 1.336 MILES
NET LENGTH = 7055.00 FT. = 1.336 MILES

(PART B) GROSS LENGTH = 26,415.61 FT. = 5.003 MILES
NET LENGTH = 21,413.20 FT. = 4.056 MILES

D-96-083-09



LOCATION OF SECTION INDICATED THUS: —■—

PRINCIPAL ARTERIAL (INTERSTATE)
F.A.I. 72
ADT (2009) = 12,200
PV = 84.2% SU = 3.6% MU = 12.2%
DESIGN SPEED = 70 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED APRIL 8 20 13
Roger L Driskell
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 10 20 13
John D. Baranzelli P.E. by acting
ENGINEER OF DESIGN AND ENVIRONMENT
May 10 20 13
Omer Osman, P.E. by
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

(95 TOTAL SHEETS)

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-07	PAVEMENT JOINTS
420401-09	BRIDGE APPROACH PAVEMENT CONNECTOR
421001-02	BAR REINFORCEMENT FOR CRC PAVEMENT
442001-04	CLASS A PATCHES
442101-07	CLASS B PATCHES
542401-01	METAL END SECTION FOR PIPE CULVERTS
610001-06	SHOULDER INLET WITH CURB
635001-01	DELINEATORS
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
642001-02	SHOULDER RUMBLE STRIPS, 16 INCH
701101-03	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701400-06	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-07	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-09	LANE CLOSURE, FREEWAY/EXPRESSWAY WITH BARRIER
701406-06	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-08	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701426-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701451-01	RAMP CLOSURE FREEWAY/EXPRESSWAY
701456-02	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-02	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
780001-03	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
B.L.R. 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
B.L.R. 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC - ROAD CLOSED TO THRU TRAFFIC)

DISTRICT SIX

EXAMINED 3/18 20 13

OPERATIONS ENGINEER

EXAMINED March 21 20 13

PROGRAM DEVELOPMENT ENGINEER

EXAMINED MARCH 25 20 13

PROJECT IMPLEMENTATION ENGINEER

FILE NAME = ...\D672C88-sht-gennote-comb.dgn	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			72	(84-10-3)RS-5	SANGAMON	95	2
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 72C88		
	PLOT DATE = 04/02/2013 08:43:39	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 90% FED 10% STATE FAI 72 ROADWAY 0004 RURAL	90% FED 10% STATE STRUCTURE SN 084-0160 0014	90% FED 10% STATE STRUCTURE SN 084-0162 0014	90% FED 10% STATE STRUCTURE SN 084-0163 0014	90% FED 10% STATE STRUCTURE SN 084-0164 0014			
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	530	530							
28200200	FILTER FABRIC	SQ YD	455	455							
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	56	56							
35501332	HOT-MIX ASPHALT BASE COURSE, 12"	SQ YD	1772	1772							
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	103.8	103.8							
40600300	AGGREGATE (PRIME COAT)	TON	546	546							
40600895	CONSTRUCTING TEST STRIP	EACH	2	2							
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	280	280							
40600990	TEMPORARY RAMP	SQ YD	542	542							
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	39128	39128							
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	73		73						
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	14450	14450							
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	100	100							
42001300	PROTECTIVE COAT	SQ YD	1804	1804							

FILE NAME = ...\0672C88-sht-S00-comb.DGN
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois
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PLOT DATE = 04/02/2013 08:45:53
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REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 1 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	3
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 90% FED 10% STATE FAI 72 ROADWAY 0004 RURAL	90% FED 10% STATE STRUCTURE SN 084-0160 0014	90% FED 10% STATE STRUCTURE SN 084-0162 0014	90% FED 10% STATE STRUCTURE SN 084-0163 0014	90% FED 10% STATE STRUCTURE SN 084-0164 0014			
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	1776	1776							
44000100	PAVEMENT REMOVAL	SQ YD	1444	1444							
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	98677	98677							
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	5090	5090							
44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	152932	152932							
44000169	HOT-MIX ASPHALT SURFACE REMOVAL, 5"	SQ YD	10635	10635							
44004250	PAVED SHOULDER REMOVAL	SQ YD	2724	2724							
44200529	CLASS A PATCHES, TYPE II, 8 INCH	SQ YD	250	250							
44200533	CLASS A PATCHES, TYPE III, 8 INCH	SQ YD	75	75							
44200982	CLASS B PATCHES, TYPE II, 11 INCH	SQ YD	75	75							
44201299	DOWEL BARS 1 1/2"	EACH	200	200							
44213000	PATCHING REINFORCEMENT	SQ YD	325	325							
44213200	SAWCUTS	FOOT	2595	2595							
48101200	AGGREGATE SHOULDERS, TYPE B	TON	5704	5704							

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FILE NAME = ...\D672C88-sht-SQQ-comb.DGN
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PLOT DATE = 04/08/2013 10:21:56

Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois

DESIGNED - | REVISED -
DRAWN - | REVISED -
CHECKED - | REVISED -
DATE - | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 2 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	4
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 90% FED 10% STATE FAI 72 ROADWAY 0004 RURAL	90% FED 10% STATE STRUCTURE SN 084-0160 0014	90% FED 10% STATE STRUCTURE SN 084-0162 0014	90% FED 10% STATE STRUCTURE SN 084-0163 0014	90% FED 10% STATE STRUCTURE SN 084-0164 0014			
48203100	HOT-MIX ASPHALT SHOULDERS	TON	21031	21031							
50105220	PIPE CULVERT REMOVAL	FOOT	384	384							
50157300	PROTECTIVE SHIELD	SQ YD	140		140						
50300225	CONCRETE STRUCTURES	CU YD	50.6				25.3	25.3			
50300255	CONCRETE SUPERSTRUCTURE	CU YD	237.6				118.8	118.8			
50300260	BRIDGE DECK GROOVING	SQ YD	1778				889	889			
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	3426				1713	1713			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	60960				30480	30480			
50800515	BAR SPLICERS	EACH	444				222	222			
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	12				6	6			
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	12				6	6			
52100520	ANCHOR BOLTS, 1"	EACH	48				24	24			
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	868		868						
54215547	METAL END SECTIONS 12"	EACH	4	4							

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FILE NAME = ...\D672C88-sht-SQQ-roomb.DGN	USER NAME =	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 3 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	5
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION CODE							
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL	STRUCTURE SN 084-0160 0014	STRUCTURE SN 084-0162 0014	STRUCTURE SN 084-0163 0014	STRUCTURE SN 084-0164 0014			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	108	108							
60100945	PIPE DRAINS 12"	FOOT	44	44							
60260100	INLETS TO BE ADJUSTED	EACH	2	2							
60500060	REMOVING INLETS	EACH	8	8							
63500105	DELINEATORS	EACH	328	328							
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	110685	110685							
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12							
67100100	MOBILIZATION	L SUM	1	1							
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2	2							
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	4							
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1							
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	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							

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FILE NAME = ...\D672C88-sht-SQQ-comb.DGN	USER NAME =	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 4 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	6
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 90% FED 10% STATE FAI 72 ROADWAY 0004 RURAL	90% FED 10% STATE STRUCTURE SN 084-0160 0014	90% FED 10% STATE STRUCTURE SN 084-0162 0014	90% FED 10% STATE STRUCTURE SN 084-0163 0014	90% FED 10% STATE STRUCTURE SN 084-0164 0014			
	70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1							
	70101835	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1	1							
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	57	57							
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	12							
*	70300100	SHORT TERM PAVEMENT MARKING	FOOT	23952	23952							
*	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	63	63							
*	70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	144865	144865							
*	70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	3614	3614							
*	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	235	235							
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2662	2662							
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	1275	1275							
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1275	1275							
*	70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2							
*	70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2							

* SPECIALTY ITEM

FILE NAME = ...\0672C88-sht-SOQ-comb.DGN	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 5 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	7
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 90% FED 10% STATE FAI 72 ROADWAY 0004 RURAL	90% FED 10% STATE STRUCTURE SN 084-0160 0014	90% FED 10% STATE STRUCTURE SN 084-0162 0014	90% FED 10% STATE STRUCTURE SN 084-0163 0014	90% FED 10% STATE STRUCTURE SN 084-0164 0014			
*	78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	14270	14270							
*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	63	63							
*	78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	130595	130595							
*	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	3614	3614							
*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	235	235							
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	906	906							
*	78200530	BARRIER WALL MARKERS, TYPE C	EACH	100	100							
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	2370	2370							
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	906	906							
	X0320157	CLEANING UNDERDRAIN OUTLETS	EACH	256	256							
	X0322279	OUTLET MARKER	EACH	256	256							
	X0556100	PARTIAL DEPTH PATCHING (SPECIAL)	SQYD	2,000	2,000							
	X2503000	MAINTENANCE MOWING	ACRE	156	156							
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	6935	6935							
	X5030530	FLOOR DRAIN EXTENSION	EACH	40				20	20			

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*SPECIALTY ITEM

FILE NAME = ...\D672C88-sht-SOQ-comb.DGN	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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	PLOT DATE = 04/02/2013 08:48:53	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 6 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	8
		CONTRACT NO. 72C88		
		ILLINOIS FED. AID PROJECT		

				CONSTRUCTION CODE							
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL	STRUCTURE SN 084-0160 0014	STRUCTURE SN 084-0162 0014	STRUCTURE SN 084-0163 0014	STRUCTURE SN 084-0164 0014			
X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	25134			17718	3708	3708			
X6100120	TYPE E INLET BOX, STANDARD 610001 (SPECIAL)	EACH	2	2							
X6100230	TYPE F INLET BOX, STANDARD 610001 (SPECIAL)	EACH	2	2							
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	130595	130595							
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	3614	3614							
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13'	FOOT	235	235							
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	24				12	12			
Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	2158		868		645	645			
Z0005305	BOX CULVERTS TO BE CLEANED	FOOT	1050	1050							
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1290				645	645			
Z0012166	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 3/4"	SQ YD	1290				645	645			
Z0015802	PLUG EXISTING DECK DRAINS	EACH	40				20	20			

14

*SPECIALTY ITEM

FILE NAME = ...\D672C88-sht-SOQ-comb.DGN	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -		
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	PLOT DATE = 04/02/2013 08:49:21	DATE -	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	9
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION CODE							
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL	STRUCTURE SN 084-0160 0014	STRUCTURE SN 084-0162 0014	STRUCTURE SN 084-0163 0014	STRUCTURE SN 084-0164 0014			
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	20				10	10			
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	20				10	10			
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	32		30	2					
Z0021907	SILICONE JOINT SEALER, 1.75"	FOOT	82				41	41			
Z0021908	SILICONE JOINT SEALER, 2"	FOOT	133			133					
Z0021914	SILICONE JOINT SEALER, 2.75"	FOOT	141		59		41	41			
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1662				831	831			
Z0034105	MATERIAL TRANSFER DEVICE	TON	50064	50064							
X6090231	TYPE C INLET BOX, STANDARD 609001 (SPECIAL)	EACH	4	4							
† Z0076600	TRAINEES	HOUR	1,000	1,000							
† Z0076604	TRAINEES, TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000							

9 +0042

FILE NAME = ..\D672C88-sht-SOQ-comb.DGN	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 04/02/2013 08:49:45	DATE -	REVISED -		SCALE: SHEET NO. 8 OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	10
		CONTRACT NO. 72C88		
	ILLINOIS	FED. AID PROJECT		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3) RS-5	SANGAMON	95	11
	ILLINOIS	CONTRACT NO. 72C88		

PART A - SHEET 1 of 18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

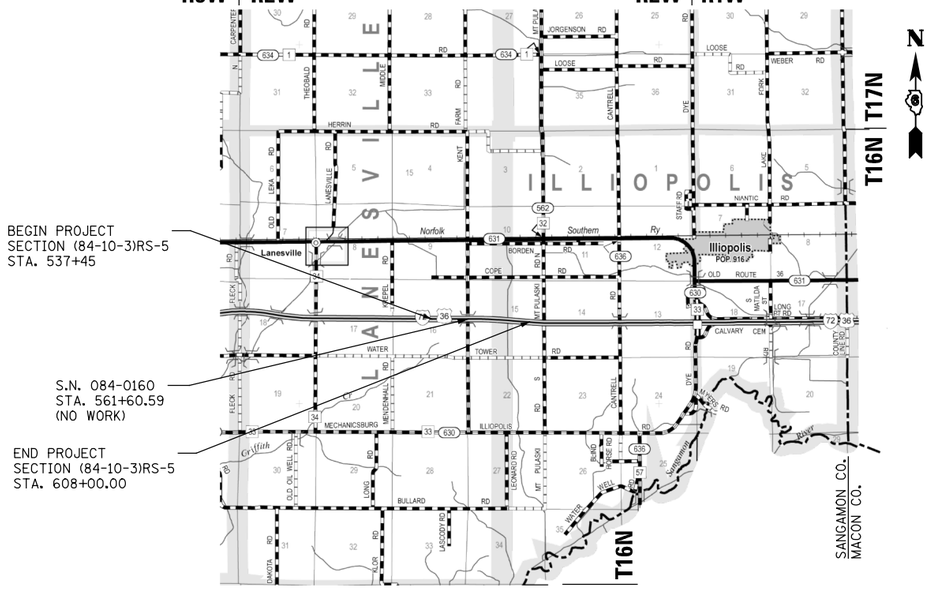
FAI ROUTE 72 (I–72)
SECTION (84–10–3)RS–5
PROJECT
RESURFACING
SANGAMON COUNTY

C–96–083–09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

D–96–083–09

LOCATION OF SECTION INDICATED THUS: – ■ –



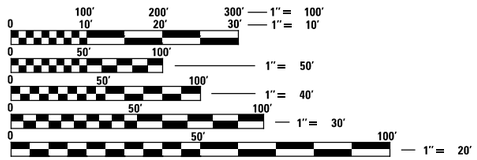
LOCATION MAP

2 MILES 0 2 4

GROSS LENGTH = 7,055.00 FT. = 1.336 MILES

NET LENGTH = 7,055.00 FT. = 1.336 MILES

PRINCIPAL ARTERIAL (INTERSTATE)
F.A.I. 72
ADT (2009) = 12,200
PV = 84.2% SU = 3.6% MU = 12.2%
DESIGN SPEED = 70 MPH



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

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

SENIOR TEAM ENGINEER: VINCE MADONIA (217) 785–9046
TEAM ENGINEER: VICTOR YOUNG (217) 524–0472

CONTRACT NO. 72C88

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
635001-01	DELINEATORS
642001-02	SHOULDER RUMBLE STRIPS, 16 INCH
701101-03	OFF-RD OPERATIONS, MULTILANE, 15′ (4.5 m) TO 24″ (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15′ (4.5 m) AWAY
701400-06	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-07	LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-07	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701426-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701901-02	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
780001-03	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

1. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN IN THE PLANS.

2. THE THICKNESS OF THE HMA MIXTURE 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 OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

3. ″ROAD CONSTRUCTION AHEAD″ SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE MAINLINE CONSTRUCTION SECTIONS AND THE CROSSOVER SIDE ROAD CONSTRUCTION LIMITS, AS DIRECTED BY THE RESIDENT ENGINEER.
ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE 48″.
THIS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION.

4. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION	I-72	I-72		I-72 (1 1/2″ OR 2″•)	I-72 (2 1/4″)
MIXTURE USE	POLYMER HMA SURFACE COURSE	POLYMER HMA BINDER COURSE		HMA SHOULDER (TOP LIFT)	HMA SHOULDER (BOTTOM LIFT)
PG	SBS PG 70-22	SBS PG 70-22		PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N DESIGN = 90	4.0% @ N DESIGN = 90		4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0		IL 9.5	IL 19.0
FRICTION AGGREGATE	MIX ″D″	N/A		MIX ″C″	N/A

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 mm THICKNESS).

• STA. 537+80 TO STA. 577+88 (WB LANES):
2″ HMA SHOULDER (TOP LIFT) WITH NO HMA SHLD. (BOTTOM LIFT).

5. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

6. THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 BUREAU OF OPERATIONS AT (217) 785-5312 THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL.

7. ENGLISH UNITS OF MEASURMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

8. ALL TEMPORARY PAVEMENT MARKING WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

9. THE CONTRACTOR SHALL BE AWARE THAT EXISTING CONCRETE PATCHES SHALL BE MILLED AS PART OF THE PROPOSED HMA SURFACE REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE MILLING OF THE CONCRETE.

10. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT PRIME COAT	0.00038 0.001425	TON / SQ YD (PAVEMENT) OR TON / SQ YD (AGG. SURFACE)
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	4	FT /40 FT OF APPLICATION
RIPRAP	1.75	TONS / CU YD

11. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHOULD BE CONSIDERED APPROXIMATE.

12. THE QUANTITY FOR OUTLET MARKERS IS BASED ON THE TOTAL LENGTH OF THE PROJECT (TIMES 4 PAVEMENT EDGES) DIVIDED BY 500 FEET AS PER ARTICLE 601.04 OF THE STANDARD SPECIFICATIONS FOR PIPE UNDERDRAIN OUTLETS AND (WHEN APPLICABLE) THE LENGTH OF THE RAMPS (TIMES 2 PAVEMENT EDGES) DIVIDED BY 500 FEET.

13. THE CONTRACTOR WILL BE REQUIRED TO REPAIR THOSE AREAS THAT ARE DAMAGED AS A PART OF THE EXECUTION OF THIS CONTRACT OR AS OTHERWISE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE MEASURED FOR PAYMENT. THE COST OF SEEDING, FERTILIZING AND MULCHING AREAS OF TURF THAT ARE DAMAGED, WILL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS WORK ITEMS RELATED TO THE OPERATIONS CAUSING THE DAMAGE.

COMMITMENTS

1. THE FIELD/RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESGIN AND TO ALLOW IMPROVEMENT IN THE DESIGN FOR FUTURE PROJECTS.

FILE NAME = ...\CADD\D672C88-sht-gennote.dgn	USER NAME =	DESIGNED -	REVISED -
		DRAWN -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 100.0000 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 08:53:57	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	12
		CONTRACT NO. 72C88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE							
				90% FED 10% STATE							
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL							
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	23.8	23.8							
40600300	AGGREGATE (PRIME COAT)	TON	125	125							
40600895	CONSTRUCTING TEST STRIP	EACH	0.50	0.50							
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	70	70							
40600990	TEMPORARY RAMP	SQ YD	88	88							
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	8783	8783							
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	3398	3398							
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	23094	23094							
44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	26699	26699							
44000169	HOT-MIX ASPHALT SURFACE REMOVAL, 5"	SQ YD	10635	10635							
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1187	1187							
48203100	HOT-MIX ASPHALT SHOULDERS	TON	4466	4466							
63500105	DELINEATORS	EACH	43	43							
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	28150	28150							

FILE NAME = ...\CADD\D672C88-sht-SOQ.DGN	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 10:01:43	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 1 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	13
		CONTRACT NO. 72C88		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE							
				90% FED 10% STATE							
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL							
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3							
67100100	MOBILIZATION	L SUM	0.25	0.25							
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	0.25	0.25							
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	0.25	0.25							
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	12	12							
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3	3							
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5064	5064							
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	31680	31680							
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	563	563							
78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	3530	3530							
78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	28150	28150							
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	178	178							
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	178	178							
X0320157	CLEANING UNDERDRAIN OUTLETS	EACH	56	56							

FILE NAME = ...\CADD\D672C88-sht-SOQ.DGN	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 10:01:58	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 2 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	14
		CONTRACT NO. 72C88		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				90% FED 10% STATE FAI 72 ROADWAY 0004 RURAL							
X0322279	OUTLET MARKER	EACH	56	56							
X2503000	MAINTENANCE MOWING	ACRE	36	36							
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3391	3391							
X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	28150	28150							
Z0034105	MATERIAL TRANSFER DEVICE	TON	12181	12181							

BITUMINOUS MATERIALS (PRIME COAT) RATE-0.00038 T/SY
AGGREGATE (PRIME COAT) RATE-0.002 T/SY
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 RATE-2.016 T/CY
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 RATE-2.016 T/CY

LOCATION	LENGTH FOOT	WIDTH FOOT	SQ YD	BIT. MATL'S (PC) TON	AGGREGATE (PC) TON	BINDER THICK INCHES	HMA BINDER TON	SURF. THICK INCHES	HMA SURFACE TON
I-72 (WB)									
LT. STA. 537+80 TO LT. STA. 559+00.6	2120.6	24	5654.9	2.15	11.31	4.5	1425.0	1.5	475.0
LT. STA. 559+00.6 TO LT. STA. 559+45.6	45	24	120.0	0.05	0.24	2.5	16.8	3.75 TO 1.5	17.6
LT. STA. 559+45.6 TO LT. STA. 563+75.6	430	24	1146.7	0.43	2.29	-	-	3	192.6
LT. STA. 563+75.6 TO LT. STA. 564+20.6	45	24	120.0	0.05	0.24	2.5	16.8	1.5 TO 3.75	17.6
LT. STA. 564+20.6 TO LT. STA. 607+45	4324.4	24	11531.7	4.38	23.06	4.5	2906.0	1.5	968.7
LT. STA. 607+45 TO LT. STA. 608+00	55	24	146.7	0.06	0.29	2.5	14.9	VARIES	23.5
I-72 (EB)									
RT. STA. 537+45 TO RT. STA. 559+00.6	2155.6	24	5748.3	2.18	11.50	4.5	1448.6	1.5	482.9
RT. STA. 559+00.6 TO RT. STA. 559+45.6	45	24	120.0	0.05	0.24	2.5	16.8	3.75 TO 1.5	17.6
RT. STA. 559+45.6 TO RT. STA. 563+75.6	430	24	1146.7	0.43	2.29	-	-	3	192.6
RT. STA. 563+75.6 TO RT. STA. 564+20.6	45	24	120.0	0.05	0.24	2.5	16.8	1.5 TO 3.75	17.6
RT. STA. 564+20.6 TO RT. STA. 607+45	4324.4	24	11531.7	4.38	23.06	4.5	2906.0	1.5	968.7
RT. STA. 607+45 TO RT. STA. 608+00	55	24	146.7	0.06	0.29	2.5	14.9	VARIES	23.5
TOTALS =				14.27	75.05		8,782.6		3,397.9
				USE 14.3	USE 75		USE 8,783		USE 3,398

CONSTRUCTING TEST STRIP

LOCATION	EACH
FAI 72	
(BINDER COURSE)	0.25
(SURFACE COURSE)	0.25
	TOTAL = 0.50

BITUMINOUS MATERIALS (PRIME COAT) RATE-0.00038 T/SY
AGGREGATE (PRIME COAT) RATE-0.002 T/SY
HOT-MIX ASPHALT SHOULDERS RATE-2.016 T/CY
AGGREGATE SHOULDERS, TYPE B RATE-2.05 T/CY

• - OUTSIDE + INSIDE SHOULDER WIDTHS

E.O.S.-EDGE OF SHOULDER

LOCATION	LENGTH FOOT	• WIDTH FOOT	SQ YD	BIT. MATL'S (PC) TON	AGGREGATE (PC) TON	THICKNESS INCHES	HMA SHOULDERS TON		• WIDTH FOOT	E.O.S. THICK INCHES	AGG. SHLD. TON
I-72 (WB)											
LT. STA. 537+80 TO LT. STA. 538+00	20	16	35.6	0.01	0.07	2	4.0		8	0 TO 1	0.5
LT. STA. 538+00 TO LT. STA. 559+00.06	2100.6	16	3734.4	1.42	7.47	2	418.3		8	1	106.4
LT. STA. 559+00.6 TO LT. STA. 559+60.6	60	16	106.7	0.04	0.21	2	11.9		8	1 TO 0	0.5
LT. STA. 559+60.6 TO LT. STA. 563+60.6	400	16	711.1	0.27	1.42	2	79.6		8	0	-
LT. STA. 563+60.6 TO LT. STA. 564+20.6	60	16	106.7	0.04	0.21	2	11.9		8	0 TO 1	0.5
LT. STA. 564+20.6 TO LT. STA. 577+88	1367.4	16	2430.9	0.92	4.86	2	272.3		8	1	69.2
LT. STA. 577+88 TO LT. STA. 607+45	2957	16	5256.9	2.00	10.52	3.75	1103.9		8	2.75	313.4
LT. STA. 607+45 TO LT. STA. 608+00	55	16	97.8	0.04	0.20	3.75 TO 2	15.7		8	2.75 TO 0	2.9
I-72 (EB)											
RT. STA. 537+45 TO RT. STA. 538+00	55	16	97.8	0.04	0.20	3.75	20.5		8	0 to 2.75	2.9
RT. STA. 538+00 TO RT. STA. 559+00.6	2100.6	16	3734.4	1.42	7.46	3.75	784.2		8	2.75	222.6
RT. STA. 559+00.6 TO RT. STA. 559+60.6	60	16	106.7	0.04	0.21	3.75 TO 2	17.2		8	2.75 TO 0	3.2
RT. STA. 559+60.6 TO RT. STA. 563+60.6	400	16	711.1	0.27	1.42	2	79.6		8	0	-
RT. STA. 563+60.6 TO RT. STA. 564+20.6	60	16	106.7	0.04	0.21	2 TO 3.75	17.2		8	0 TO 2.75	3.2
RT. STA. 564+20.6 TO RT. STA. 607+45	4324.4	16	7687.8	2.92	15.38	3.75	1614.4		8	2.75	458.4
RT. STA. 607+45 TO RT. STA. 608+00	55	16	97.8	0.04	0.20	3.75 TO 2	15.7		8	2.75 TO 0	2.9
TOTALS =				9.51	50.04		4466.4				1186.6
				USE 9.5	USE 50		USE 4,466				USE 1,187

FILE NAME = ...\CADD\D672C88-sht-schedule.dgn	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 04/02/2013 08:57:23	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	16
		CONTRACT NO. 72C88		
		ILLINOIS FED. AID PROJECT		

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

LOCATION	SIDE	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72				
LT. STA. 607+80 TO LT. STA. 608+00	(EB-OUTSIDE SHLD)	20	10	22
LT. STA. 607+80 TO LT. STA. 608+00	(EB-INSIDE SHLD)	20	6	13
RT. STA. 607+80 TO RT. STA. 608+00	(WB-INSIDE SHLD)	20	6	13
RT. STA. 607+80 TO RT. STA. 608+00	(WB-OUTSIDE SHLD)	20	10	22
TOTAL =				70

TEMPORARY RAMP

LOCATION	THICKNESS INCHES	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72				
RT. STA. 537+45 (EB)	1.5	5	40	22
LT. STA. 537+80 (WB)	1.5	5	40	22
RT. STA. 608+00 (EB)	1.5	5	40	22
LT. STA. 608+00 (WB)	1.5	5	40	22
TOTAL =				88

HOT-MIX ASPHALT SURFACE REMOVAL, 1''

LOCATION	SIDE	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72 (WB SHLD)				
LT. STA. 538+00 TO LT. STA. 559+00.6	OUTSIDE	2100.6	10	2334
LT. STA. 538+00 TO LT. STA. 559+00.6	INSIDE	2100.6	6	1400
(SEE VAR. DEPTH REMOVAL)				
LT. STA. 564+20.6 TO LT. STA. 607+80	OUTSIDE	4359.4	10	4844
LT. STA. 564+20.6 TO LT. STA. 607+80	INSIDE	4359.4	6	2906
I-72 (EB SHLD)				
RT. STA. 538+00 TO RT. STA. 559+35.6	OUTSIDE	2135.6	10	2373
RT. STA. 538+00 TO RT. STA. 559+35.6	INSIDE	2135.6	6	1424
(SEE VAR. DEPTH REMOVAL)				
RT. STA. 563+85.6 TO RT. STA. 607+80	OUTSIDE	4394.4	10	4883
RT. STA. 563+85.6 TO RT. STA. 607+80	INSIDE	4394.4	6	2930
TOTAL =				23,094

HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4''

LOCATION	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72			
(WESTBOUND)			
LT. STA. 577+88 TO LT. STA. 608+00	3012	24	8032
(EASTBOUND)			
RT. STA. 538+00 TO RT. STA. 608+00	7000	24	18667
TOTAL =			26,699

HOT-MIX ASPHALT SURFACE REMOVAL, 5''

LOCATION	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72			
(WESTBOUND)			
LT. STA. 538+00 TO LT. STA. 577+88	3988	24	10635
TOTAL =			10,635

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

LOCATION	FOR INFO THICKNESS	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72 (WB)	INCHES			
LT. STA. 537+80 TO LT. STA. 538+00 (SHLD'S)	2 TO 1	20	16	35.6
LT. STA. 537+80 TO LT. STA. 538+00 (ML)	6 TO 5	20	24	53.3
LT. STA. 559+00.6 TO LT. STA. 564+20.6 (SHLD'S)	1 TO 3 TO 1 1/2	520	16	924.4
LT. STA. 560+10 TO LT. STA. 563+15 (ML)	5 TO 2 1/2	305	24	813.3
I-72 (EB)				
RT. STA. 537+45 TO RT. STA. 538+00 (SHLD'S)	2 3/4 TO 0	55	16	97.8
RT. STA. 537+45 TO RT. STA. 538+00 (ML)	6 TO 3 1/4	55	24	146.7
RT. STA. 559+35.6 TO RT. STA. 563+85.6 (SHLD'S)	1 TO 2 1/4 TO 1 1/2	450	16	800
RT. STA. 560+65 TO RT. STA. 562+60 (ML)	3 1/4 TO 2 1/4	195	24	520
TOTAL =				3391.1

USE 3,391

DELINEATORS

(BASED ON STANDARD 635001)

LOCATION	SPACING	LENGTH FOOT	SINGLE EACH	DOUBLE EACH
I-72				
LT. STA. 537+80 TO LT. STA. 608+00	400	7020	18	-
RT. STA. 537+45 TO RT. STA. 608+00	400	7055	18	-
HEADWALLS				
STA. 537+00, 95' RT.			1	
STA. 548+00, 95' LT.			1	
STA. 560+00, 100' LT.			1	
STA. 572+00, 100' RT.			1	
STA. 589+20, 100' LT.			1	
STA. 589+35, 100' RT.			1	
STA. 608+00, 95' RT.			1	
TOTAL=			43	-

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Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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	PLOT DATE = 04/02/2013 08:57:42	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	17
		CONTRACT NO. 72C88		
		ILLINOIS FED. AID PROJECT		

SHOULDER RUMBLE STRIPS, 16 INCH

LOCATION	SIDE	FOOT
I-72		
LT. STA. 537+80 TO LT. STA. 608+00	OUTSIDE	7020
LT. STA. 537+80 TO LT. STA. 608+00	MEDIAN	7020
RT. STA. 537+45 TO RT. STA. 608+00	MEDIAN	7055
RT. STA. 537+45 TO RT. STA. 608+00	OUTSIDE	7055
TOTAL =		28,150

SHORT-TERM PAVEMENT MARKING

LOCATION			MARKING LENGTH	TYPE
STA.	STA.	LT./RT.	FOOT	
I-72 (WB)				
537+80	608+00	LT	70	WHITE DIAGONAL
537+80	608+00	LT	704	WHITE SKIP DASH
537+80	608+00	LT	70	YELLOW DIAGONAL
I-72 (EB)				
537+45	608+00	RT	70	YELLOW DIAGONAL
537+45	608+00	RT	704	WHITE SKIP DASH
537+45	608+00	RT	70	WHITE DIAGONAL
SUBTOTAL			1,688	
APPLICATIONS			3	
TOTAL			5,064	

NOTE: TEMPORARY PAVEMENT MARKING QUANTITIES SAME AS PERMANENT PAVEMENT MARKING QUANTITIES.

WORK ZONE PAVEMENT MARKING REMOVAL
(TEMPORARY PAVEMENT MARKING NOT INCLUDED)

ITEM	SQ FT
SHORT TERM PAVEMENT MARKING (1 - APPLICATION)	563
TOTAL =	563

PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5''

LOCATION			MARKING LENGTH	TYPE
STA.	STA.	LT./RT.	FOOT	
I-72 (WB)				
537+80	608+00	LT	1760	WHITE SKIP DASH
I-72 (EB)				
537+45	608+00	RT	1770	WHITE SKIP DASH
TOTAL			3,530	

MODIFIED URETHANE PAVEMENT MARKING - LINE 5''
GROOVING FOR RECESSED PAVEMENT MARKING 6''

LOCATION			MARKING FOOT	GROOVING FOOT	TYPE
STA.	STA.	LT./RT.	SQ FT		
I-72 (WB)					
537+80	608+00	LT	7020	7020	SOLID WHITE (OUTSIDE)
537+80	608+00	LT	7020	7020	SOLID YELLOW (MEDIAN)
I-72 (EB)					
537+45	608+00	RT	7055	7055	SOLID YELLOW (MEDIAN)
537+45	608+00	RT	7055	7055	SOLID WHITE (OUTSIDE)
TOTALS			28,150	28,150	

RAISED REFLECTIVE PAVEMENT MARKER

LOCATION			NUMBER REQ'D	TYPE
STA.	STA.	LT./RT.	EACH	
I-72 (WB)				
537+80	608+00	LT	89	ONE-WAY CRYSTAL
I-72 (EB)				
537+45	608+00	RT	89	ONE-WAY CRYSTAL
TOTAL			178	

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

LOCATION			NUMBER REQ'D	TYPE
STA.	STA.	LT./RT.	EACH	
I-72 (WB)				
537+80	608+00	LT	89	ONE-WAY CRYSTAL
I-72 (EB)				
537+45	608+00	RT	89	ONE-WAY CRYSTAL
TOTAL			178	

NOTE: USE SAME QUANTITY AS PROPOSED (RRPM).

CLEANING UNDERDRAIN OUTLETS
OUTLET MARKER

USE 500' SPACING

LOCATION	CLEAN EACH	MARKER EACH
I-72		
STA. 537+45 TO STA. 608+00	56	56
TOTALS =	56	56

MAINTENANCE MOWING

LOCATION	ACRE
I-72	
STA. 537+45 TO STA. 608+00	36
TOTAL =	36

MATERIAL TRANSFER DEVICE

LOCATION	TON
I-72	
BINDER COURSE	8783
SURFACE COURSE	3398
TOTAL =	12,181

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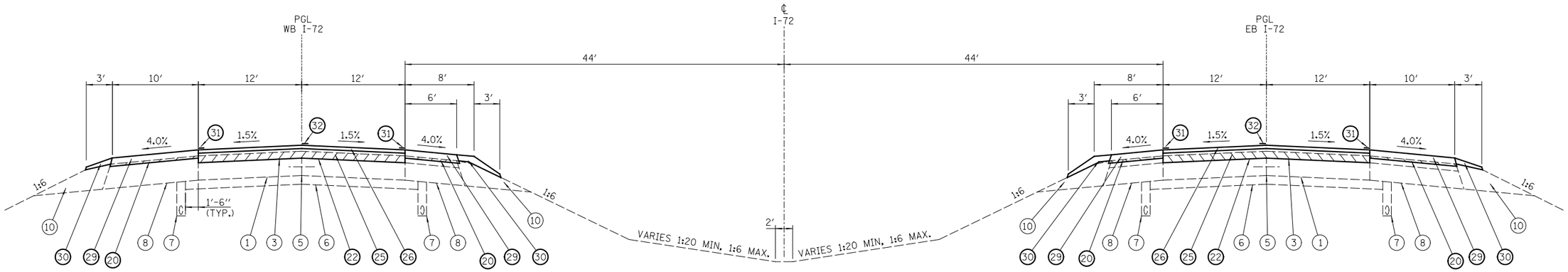
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 08:58:04	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

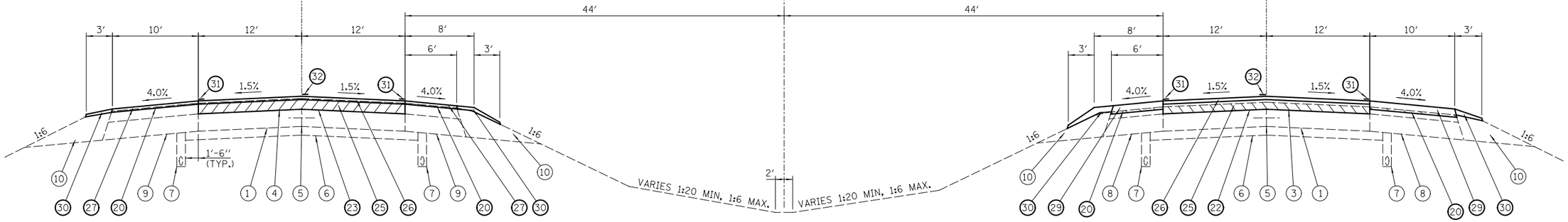
SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	18
		CONTRACT NO. 72C88		
	ILLINOIS	FED. AID PROJECT		



STA. 577+88* TO STA. 608+00.00



STA. 537+45.00 (EB) TO STA. 577+88
STA. 537+80.00 (WB) TO STA. 577+88*

* STATION 577+88 IS THE APPROXIMATE LOCATION OF THE WB LANES EXISTING HMA RESURFACING THICKNESS TRANSITION (5″ TO 3 1/4″)

LEGEND

1. EXISTING CRPCC PAVEMENT 8″
2. NOT USED
3. EXISTING HMA RESURFACING 3 1/4 ″
4. EXISTING HMA RESURFACING 5″
5. EXISTING LONGITUDINAL JOINT
6. EXISTING STABILIZED SUBBASE 4″
7. EXISTING PIPE UNDERDRAIN
8. EXISTING HMA SHOULDER, 11 1/4 ″
9. EXISTING HMA SHOULDER, 13″
10. EXISTING AGGREGATE SHOULDER, TYPE A
20. PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1″
21. NOT USED
22. PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4″
23. PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 5″
24. NOT USED
25. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (4 1/2″)
26. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX ″D″, N90 (1 1/2″)
27. PROPOSED HOT-MIX ASPHALT SHOULDERS (2″) (W/RUMBLE STRIPS STD. 642001)
28. NOT USED
29. PROPOSED HOT-MIX ASPHALT SHOULDERS (3 3/4″) (W/RUMBLE STRIPS STD. 642001)
30. PROPOSED AGGREGATE SHOULDERS, TYPE B
31. PROPOSED URETHANE PAVEMENT MARKING - LINE 5″
32. PROPOSED PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5″

NOTES

1. MILL TO BARE CONCRETE ON ALL MAINLINE AREAS.

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Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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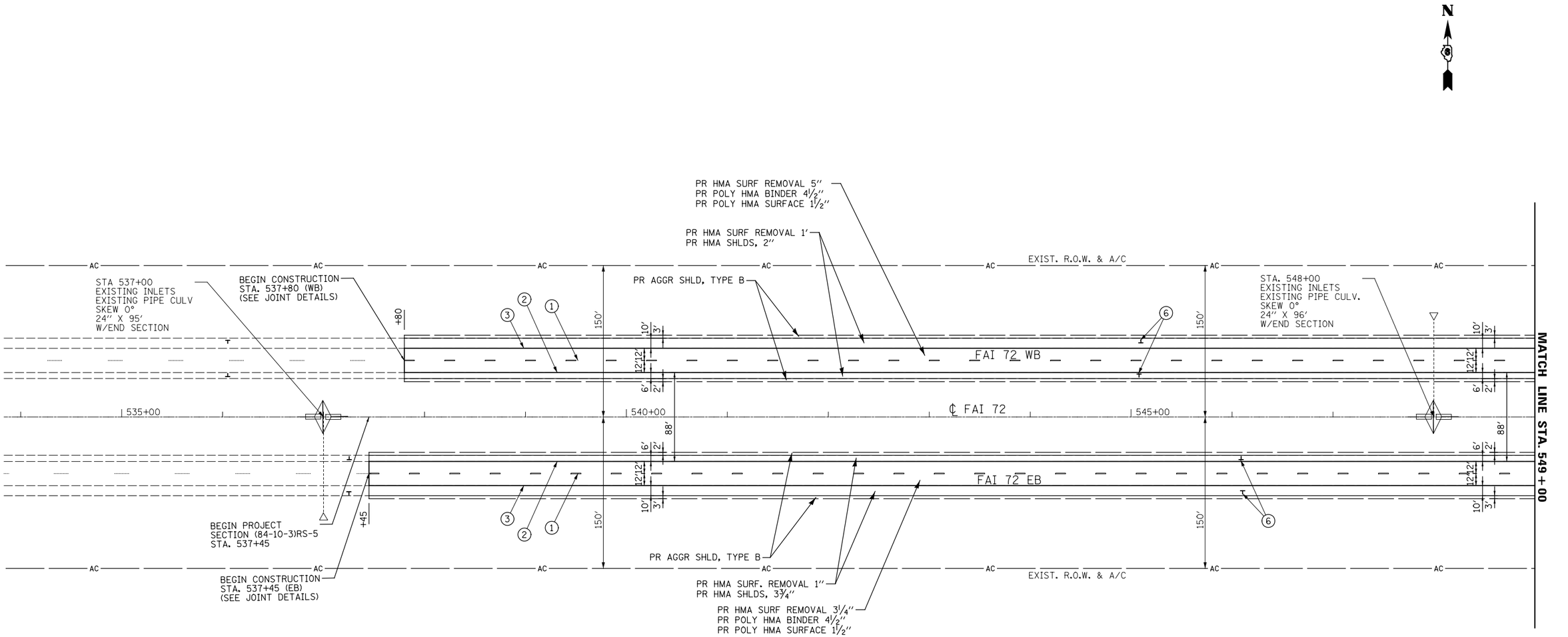
	PLOT DATE = 04/02/2013 08:58:55	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
FAI 72 (I-72)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	19
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

1. PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID), LINE 5″ (30′ SKIP, 10′ DASH)
2. PR URETHANE PAVEMENT MARKING, LINE 5″ (SOLID YELLOW)
3. PR URETHANE PAVEMENT MARKING, LINE 5″ (SOLID WHITE)
4. NOT USED
5. NOT USED
6. PR OUTLET MARKER (EACH) SEE DETAIL

0′ 50′ 100′

FILE NAME = ...\CADD\D672C88-sht-plan01.dgn	USER NAME =	DESIGNED -	REVISED -
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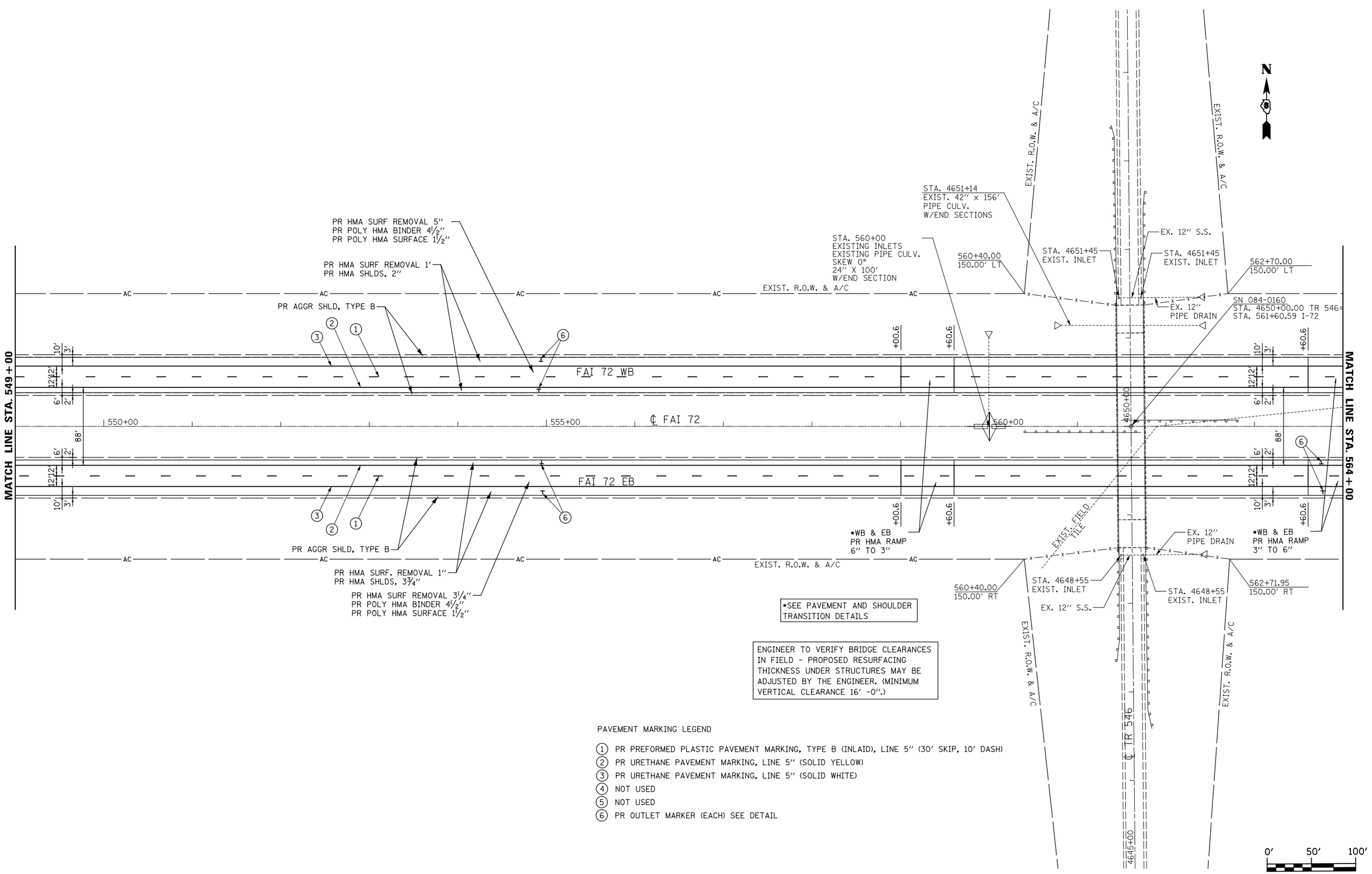
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	20
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



•SEE PAVEMENT AND SHOULDER TRANSITION DETAILS

ENGINEER TO VERIFY BRIDGE CLEARANCES IN FIELD - PROPOSED RESURFACING THICKNESS UNDER STRUCTURES MAY BE ADJUSTED BY THE ENGINEER. (MINIMUM VERTICAL CLEARANCE 16′ -0″.)

PAVEMENT MARKING LEGEND

1. PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID), LINE 5″ (30′ SKIP, 10′ DASH)
2. PR URETHANE PAVEMENT MARKING, LINE 5″ (SOLID YELLOW)
3. PR URETHANE PAVEMENT MARKING, LINE 5″ (SOLID WHITE)
4. NOT USED
5. NOT USED
6. PR OUTLET MARKER (EACH) SEE DETAIL

FILE NAME = ...\CADD\D672C88-sht-plan02.dgn	USER NAME =	DESIGNED -	REVISED -
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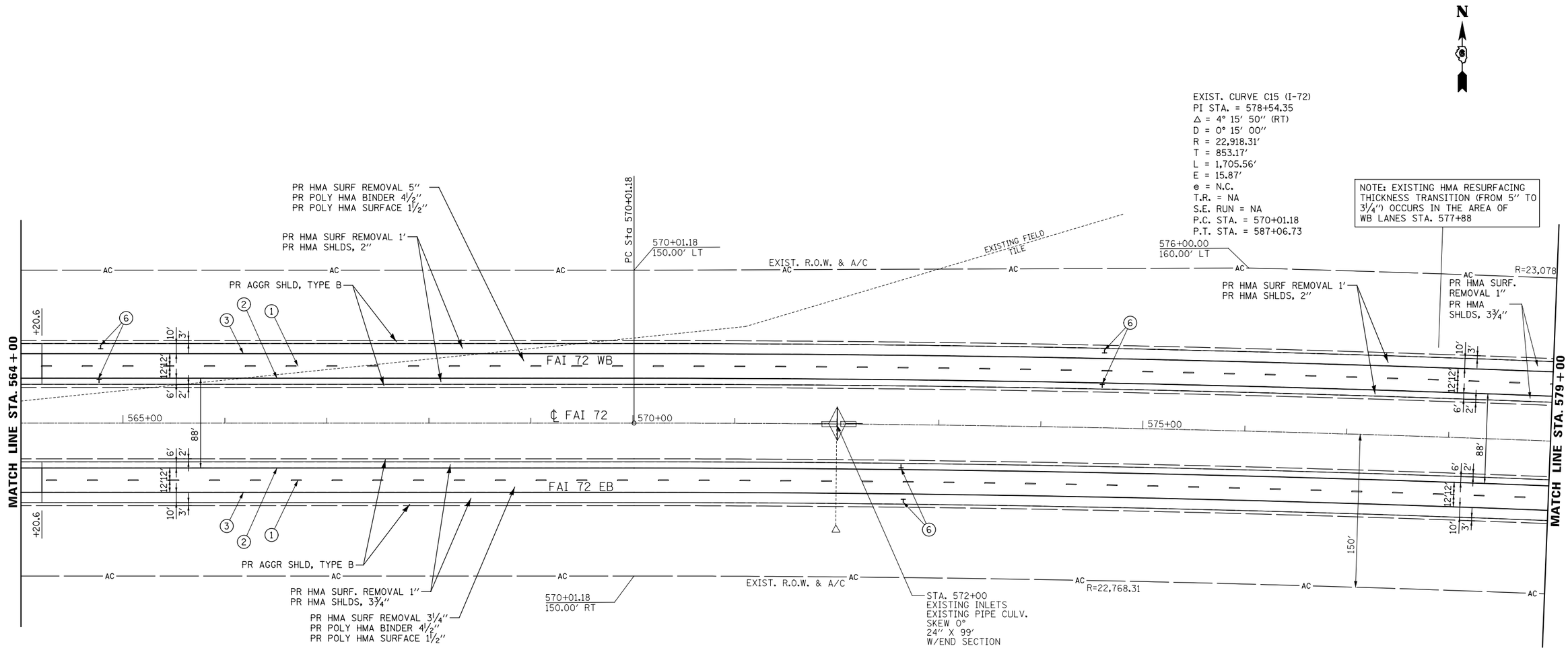
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	21
		CONTRACT NO. 72C88		
		ILLINOIS FED. AID PROJECT		



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID), LINE 5″ (30′ SKIP, 10′ DASH)
(2) PR URETHANE PAVEMENT MARKING, LINE 5″ (SOLID YELLOW)
(3) PR URETHANE PAVEMENT MARKING, LINE 5″ (SOLID WHITE)
(4) NOT USED
(5) NOT USED
(6) PR OUTLET MARKER (EACH) SEE DETAIL

0′ 50′ 100′

PART A - SHEET 12 of 18

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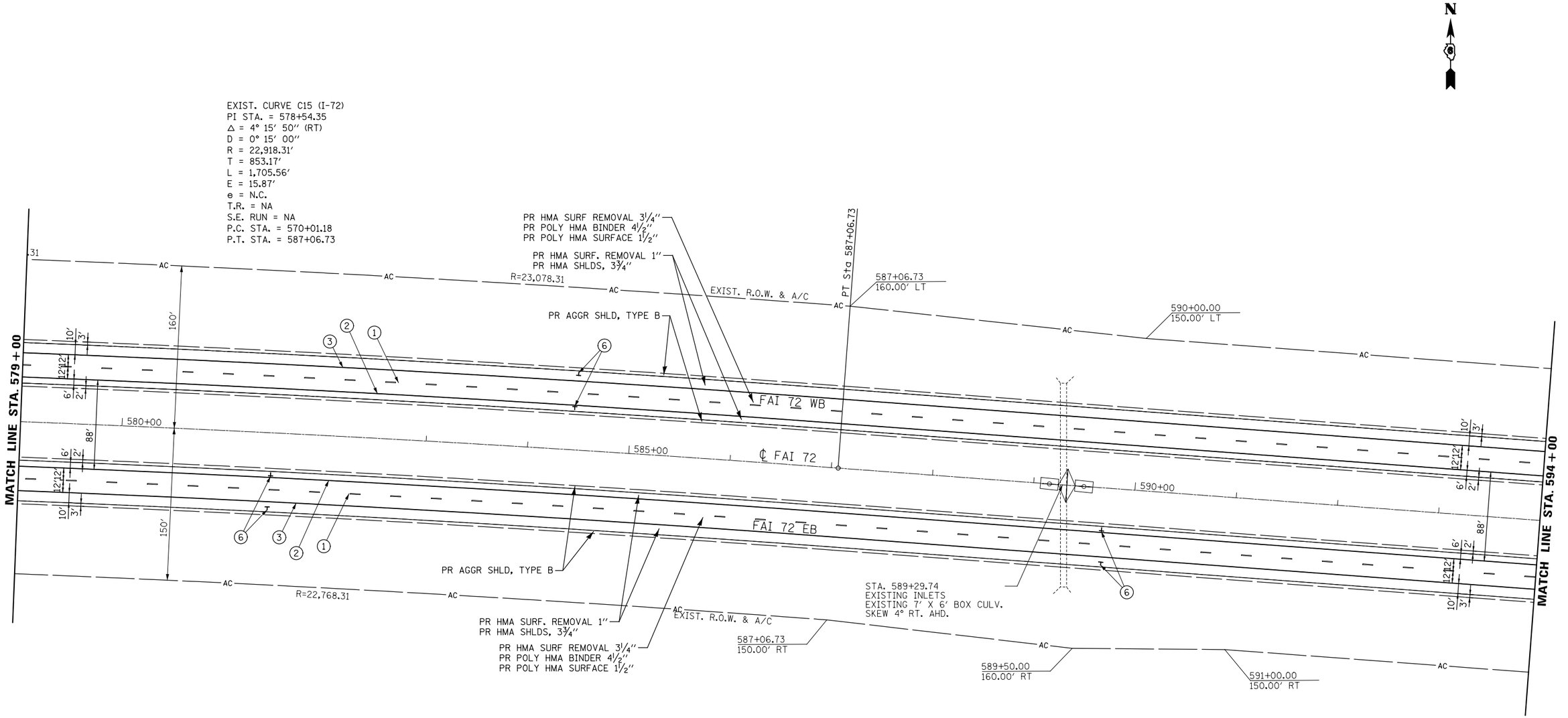
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	22
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

EXIST. CURVE C15 (I-72)
PI STA. = 578+54.35
Δ = 4° 15′ 50″ (RT)
D = 0° 15′ 00″
R = 22,918.31′
T = 853.17′
L = 1,705.56′
E = 15.87′
e = N.C.
T.R. = NA
S.E. RUN = NA
P.C. STA. = 570+01.18
P.T. STA. = 587+06.73



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID), LINE 5″ (30′ SKIP, 10′ DASH)
(2) PR URETHANE PAVEMENT MARKING, LINE 5″ (SOLID YELLOW)
(3) PR URETHANE PAVEMENT MARKING, LINE 5″ (SOLID WHITE)
(4) NOT USED
(5) NOT USED
(6) PR OUTLET MARKER (EACH) SEE DETAIL

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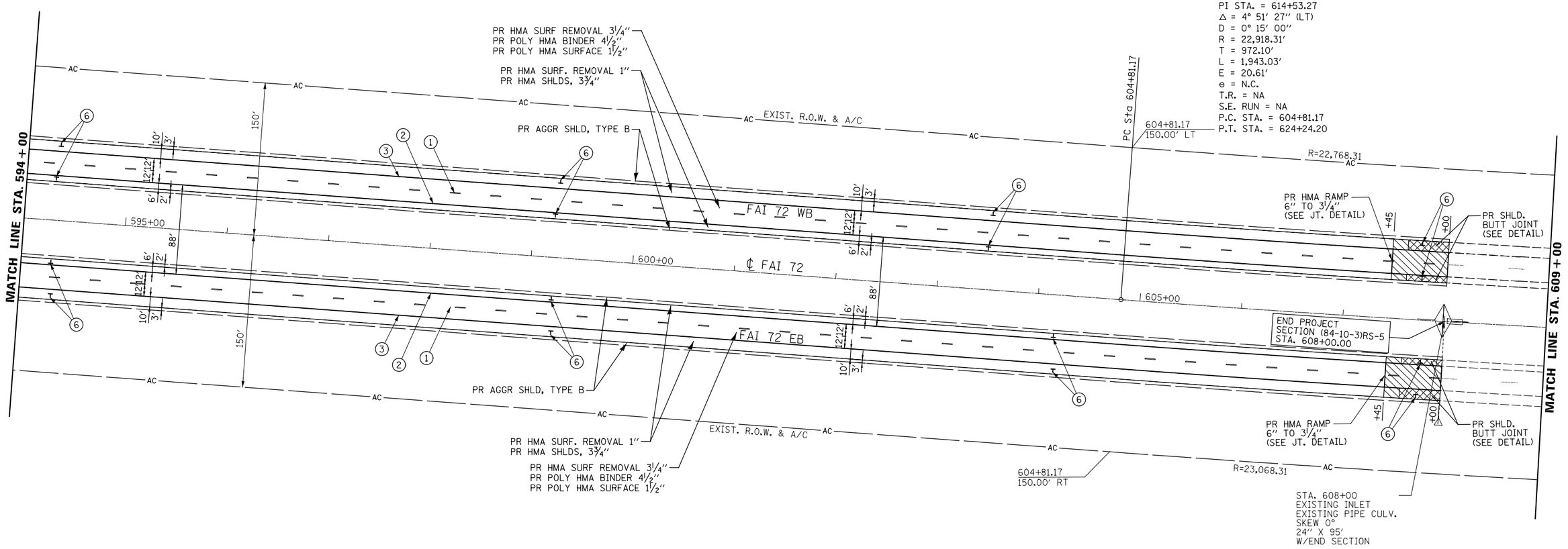
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	23
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID), LINE 5″ (30′ SKIP, 10′ DASH)
(2) PR URETHANE PAVEMENT MARKING, LINE 5″ (SOLID YELLOW)
(3) PR URETHANE PAVEMENT MARKING, LINE 5″ (SOLID WHITE)
(4) NOT USED
(5) NOT USED
(6) PR OUTLET MARKER (EACH) SEE DETAIL

0′ 50′ 100′

PART A - SHEET 14 of 18

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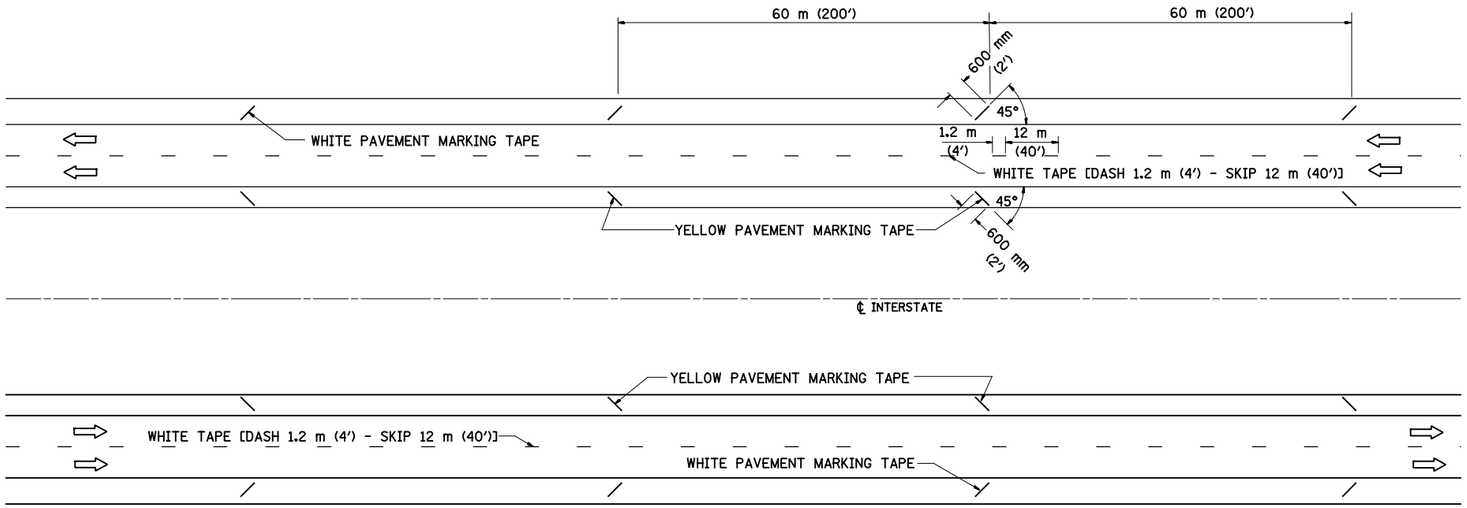
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

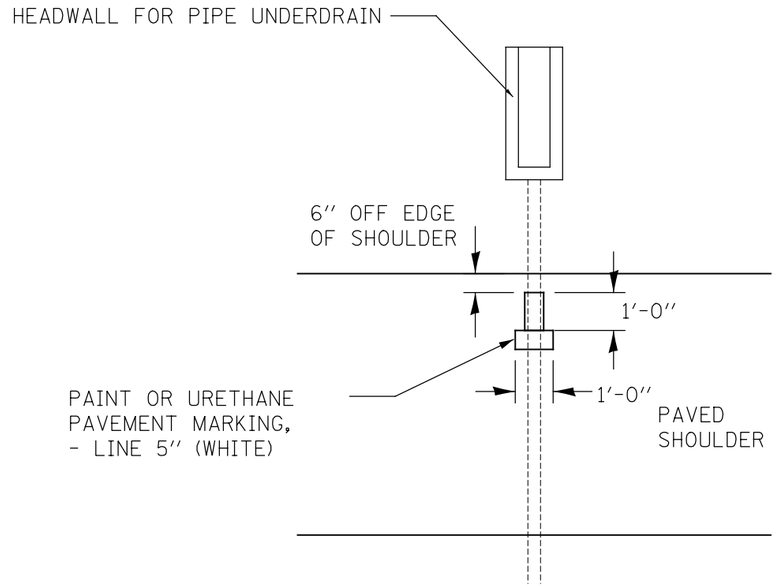
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	24
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

TYPICAL SHORT TERM PAVEMENT MARKING FOR INTERSTATE ROUTES



FILE NAME = ...\CADD\D672C88-sht-details.dgn	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHORT TERM PAVMENT MARKING FOR INTERSTATE ROUTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -			72	(84-10-3)RS-5	SANGAMON	95	25
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 72C88		
	PLOT DATE = 04/02/2013 09:03:42	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PIPE UNDERDRAIN MARKER DETAIL



OUTLET MARKERS SHALL BE PLACED ON FINAL SHOULDER

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Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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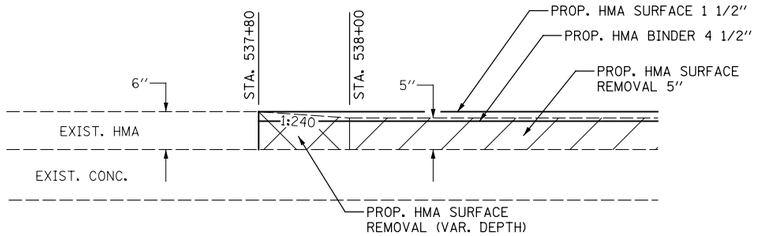
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

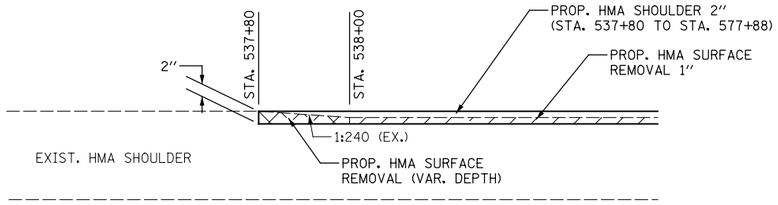
MEDIAN CROSSOVER DETAILS & TYPICAL PIPE UNDERDRAIN MARKER DETAIL

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

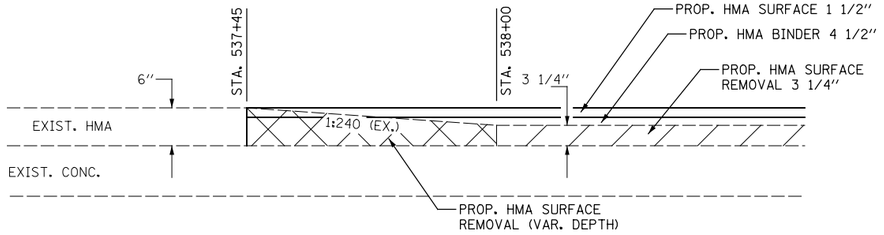
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	26
		CONTRACT NO. 72C88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



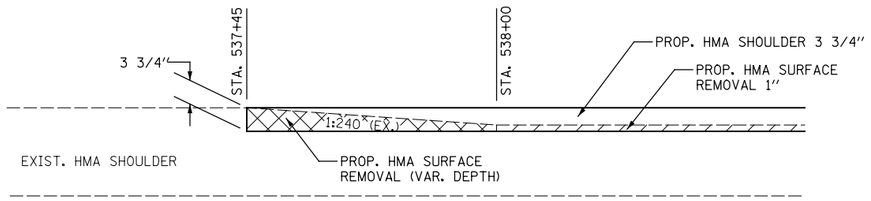
PAVEMENT JOINT DETAIL (I-72 WB)



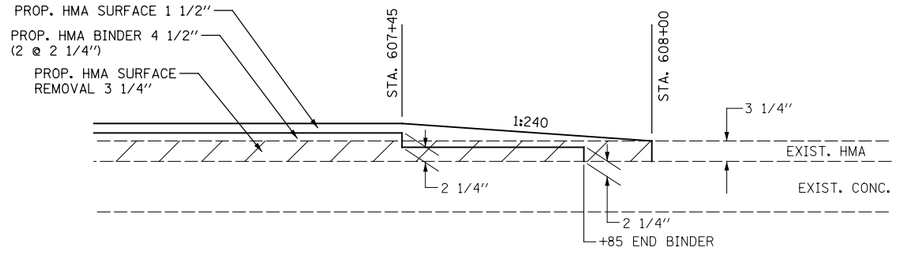
SHOULDER JOINT DETAIL (I-72 WB)



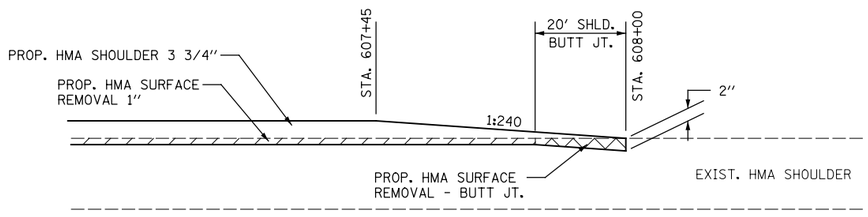
PAVEMENT JOINT DETAIL (I-72 EB)



SHOULDER JOINT DETAIL (I-72 EB)



PAVEMENT JOINT DETAIL (I-72 WB & EB)



SHOULDER BUTT JOINT DETAIL (I-72 WB & EB)

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Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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	PLOT DATE = 04/02/2013 09:04:49	DATE -	REVISED -

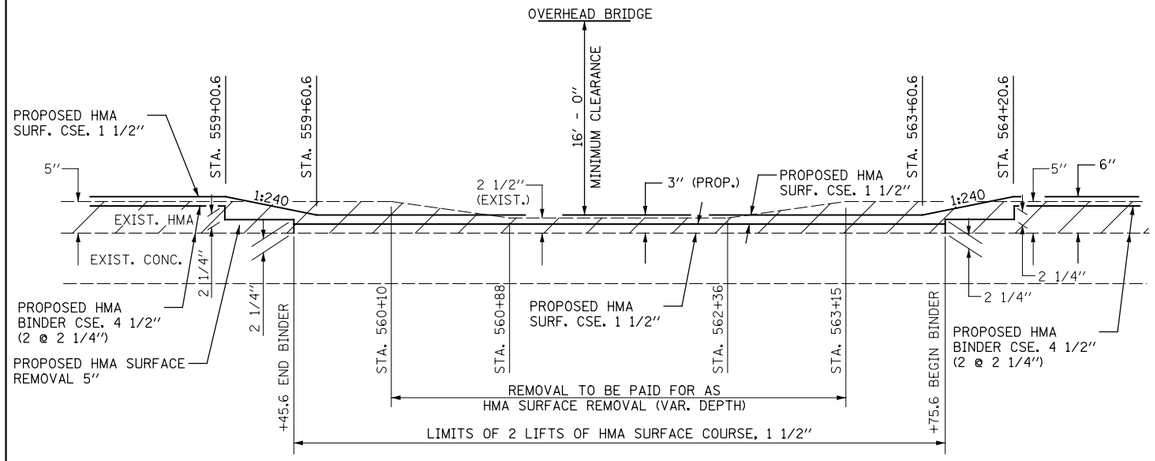
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT & SHOULDER JOINT DETAILS

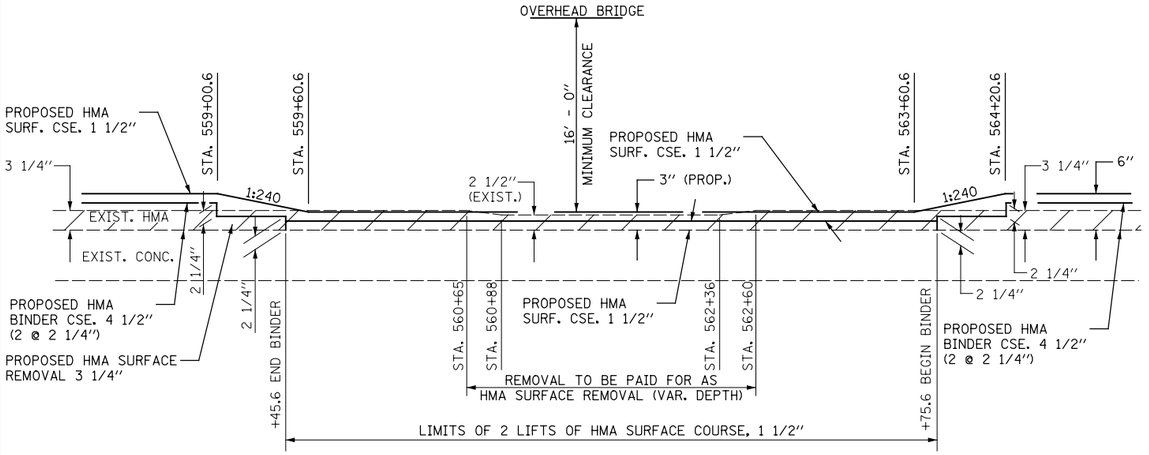
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	27
		CONTRACT NO. 72C88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

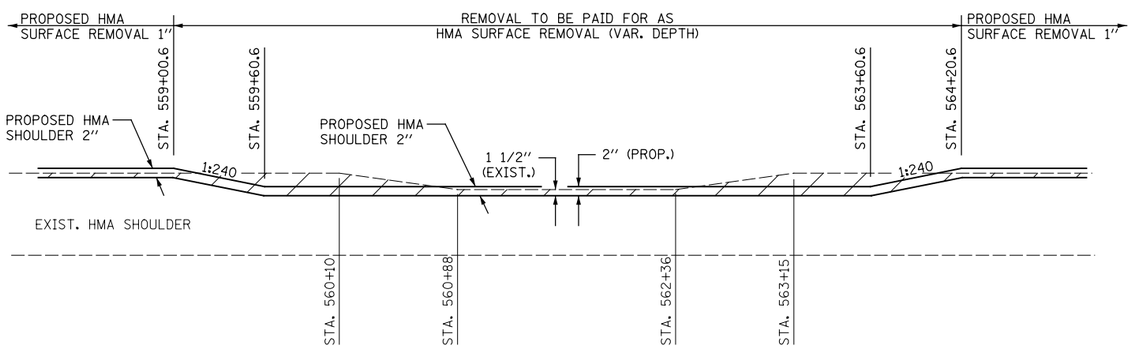
NOTE; EXISTING PAVEMENT TRANSITIONS
AND THICKNESSES TAKEN FROM AS-BUILT PLANS.



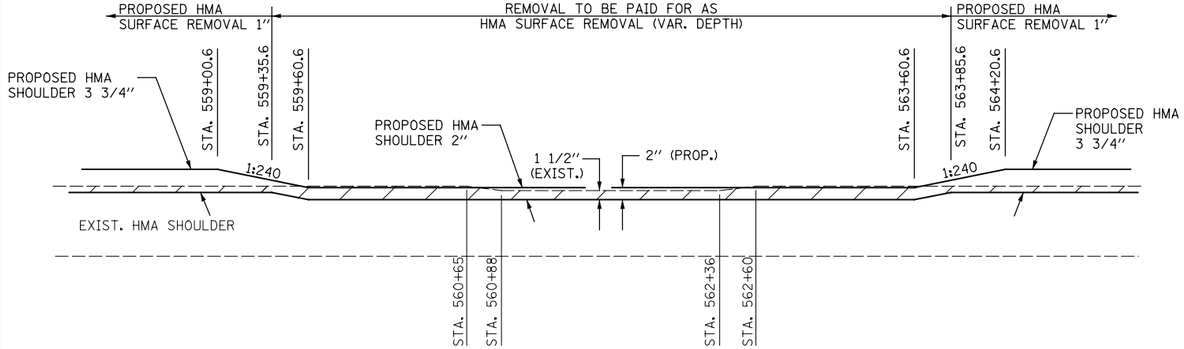
MAINLINE PAVING TRANSITION DETAIL (FAI 72 WB)
@ SN 084-0160
KENT FARM ROAD



MAINLINE PAVING TRANSITION DETAIL (FAI 72 EB)
@ SN 084-0160
KENT FARM ROAD



SHOULDER PAVING TRANSITION DETAIL (FAI 72 WB)
@ SN 084-0160
KENT FARM ROAD



SHOULDER PAVING TRANSITION DETAIL (FAI 72 EB)
@ SN 084-0160
KENT FARM ROAD

FILE NAME = ...\CADD\D672C88-sht-details.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:05:10	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT AND SHOULDER TRANSITION DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	28
		CONTRACT NO. 72C88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3) RS-5	SANGAMON	95	29
	ILLINOIS	CONTRACT NO. 72C88		

PART B - SHEET 1 of 67

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

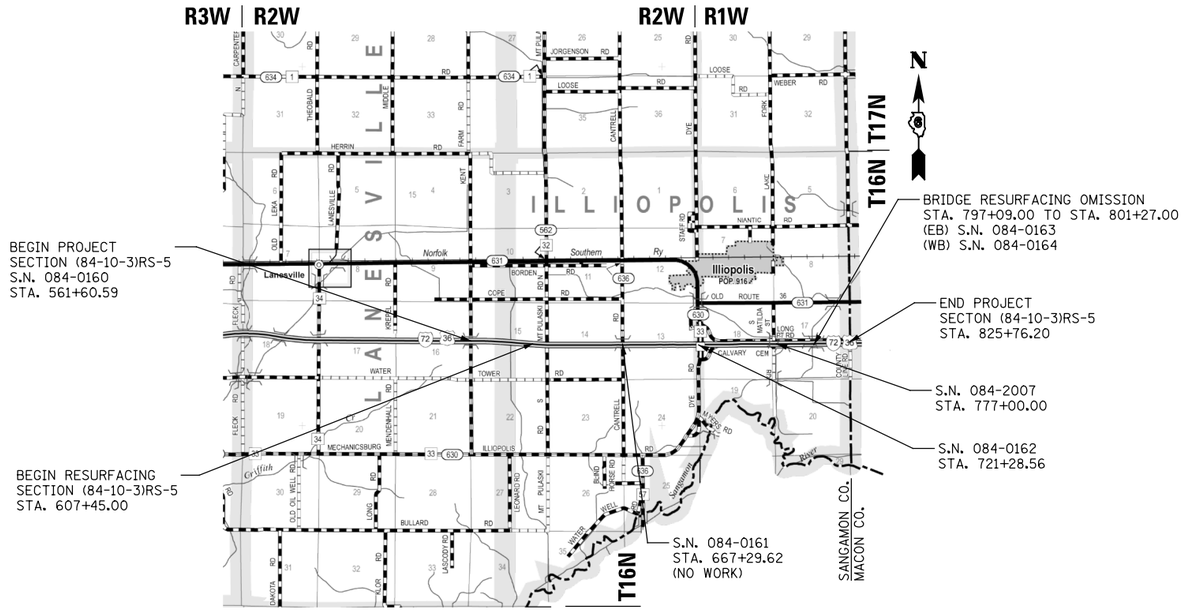
FAI ROUTE 72 (I–72)
SECTION (84–10–3)RS–5
PROJECT
RESURFACING, BRIDGE REHABILITATION
SANGAMON COUNTY

C–96–083–09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

D–96–083–09

LOCATION OF SECTION INDICATED THUS: – ■ –

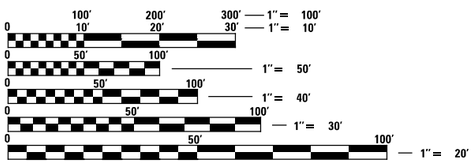


LOCATION MAP

2 MILES 0 2 4

PRINCIPAL ARTERIAL (INTERSTATE)
F.A.I. 72
ADT (2009) = 12,200
PV = 84.2% SU = 3.6% MU = 12.2%
DESIGN SPEED = 70 MPH

GROSS LENGTH = 26,415.61 FT. = 5.003 MILES
NET LENGTH = 21,413.20 FT. = 4.056 MILES



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

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

SENIOR TEAM ENGINEER: VINCE MADONIA (217) 785–9046
TEAM ENGINEER: VICTOR YOUNG (217) 524–0472

CONTRACT NO. 72C88

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INDEX OF SHEETS

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-07	PAVEMENT JOINTS
420401-09	BRIDGE APPROACH PAVEMENT CONNECTOR
421001-02	BAR REINFORCEMENT FOR CRC PAVEMENT
442001-04	CLASS A PATCHES
442101-07	CLASS B PATCHES
542401-01	METAL END SECTION FOR PIPE CULVERTS
610001-06	SHOULDER INLET WITH CURB
635001-01	DELINEATORS
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
642001-02	SHOULDER RUMBLE STRIPS, 16 INCH
701101-03	OFF-RD OPERATIONS, MULTILANE, 15′ (4.5 m) TO 24′′ (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15′ (4.5 m) AWAY
701400-06	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-07	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-09	LANE CLOSURE, FREEWAY/EXPRESSWAY WITH BARRIER
701406-07	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-08	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701426-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701451-01	RAMP CLOSURE FREEWAY/EXPRESSWAY
701456-02	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-02	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
780001-03	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
B.L.R. 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
B.L.R. 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC - ROAD CLOSED TO THRU TRAFFIC)

GENERAL NOTES

1. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN IN THE PLANS.

2. THE THICKNESS OF THE HMA MIXTURE 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 OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

3. ″ROAD CONSTRUCTION AHEAD″ SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE MAINLINE CONSTRUCTION SECTIONS AND THE CROSSOVER SIDE ROAD CONSTRUCTION LIMITS, AS DIRECTED BY THE RESIDENT ENGINEER.
ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE 48″.
THIS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION.

4. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION	I-72 & RAMPS	I-72 & RAMPS	I-72/RAMPS (1 1/2″/2″)	I-72 (2 1/4″)	I-72 (CROSSOVERS)	I-72 (STAGING)
MIXTURE USE	POLYMER HMA SURFACE COURSE	POLYMER HMA BINDER COURSE	HMA SHOULDER (TOP LIFT)	HMA SHOULDER (BOTTOM LIFT)	INCIDENTAL SURFACE	HMA BASE COURSE
PG	SBS PG 70-22	SBS PG 70-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N DESIGN = 90	4.0% @ N DESIGN = 90	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 90
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0	IL 9.5	IL 19.0	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIX ″D″	N/A	MIX ″C″	N/A	MIX ″C″	N/A

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 mm THICKNESS).

5. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

6. THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 BUREAU OF OPERATIONS AT (217) 785-5312 THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL.

7. ENGLISH UNITS OF MEASURMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

LOCATION	SN 084-0160	TR. 546 (KENT FARM RD.)
MIXTURE USE	HMA DECK OVERLAY	HMA BASE COURSE
PG	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N DESIGN=50	4.0% @ N DESIGN=50
MIX COMPOSITION (GRADATION MIXTURE)	IL-9.5	IL-19.0
FRICTION AGGREGATE	MIX ″C″	N/A

8. ALL TEMPORARY PAVEMENT MARKING WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

9. THE CONTRACTOR SHALL BE AWARE THAT EXISTING CONCRETE PATCHES SHALL BE MILLED AS PART OF THE PROPOSED HMA SURFACE REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE MILLING OF THE CONCRETE.

10. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT PRIME COAT	0.00038 0.001425	TON / SQ YD (PAVEMENT) OR TON / SQ YD (AGG. SURFACE)
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	4	FT /40 FT OF APPLICATION
RIPRAP	1.75	TONS / CU YD

11. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHOULD BE CONSIDERED APPROXIMATE.

12. THE QUANTITY FOR OUTLET MARKERS IS BASED ON THE TOTAL LENGTH OF THE PROJECT (TIMES 4 PAVEMENT EDGES) DIVIDED BY 500 FEET AS PER ARTICLE 601.04 OF THE STANDARD SPECIFICATIONS FOR PIPE UNDERDRAIN OUTLETS AND (WHEN APPLICABLE) THE LENGTH OF THE RAMPS (TIMES 2 PAVEMENT EDGES) DIVIDED BY 500 FEET.

13. THE CONTRACTOR WILL BE REQUIRED TO REPAIR THOSE AREAS THAT ARE DAMAGED AS A PART OF THE EXECUTION OF THIS CONTRACT OR AS OTHERWISE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE MEASURED FOR PAYMENT. THE COST OF SEEDING, FERTILIZING AND MULCHING AREAS OF TURF THAT ARE DAMAGED, WILL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS WORK ITEMS RELATED TO THE OPERATIONS CAUSING THE DAMAGE.

COMMITMENTS

1. THE FIELD/RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESGIN AND TO ALLOW IMPROVEMENT IN THE DESIGN FOR FUTURE PROJECTS.

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		DRAWN -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 100.0000 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:07:33	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	30
		CONTRACT NO. 72C88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE							
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL	STRUCTURE SN 084-0160 0014	STRUCTURE SN 084-0162 0014	STRUCTURE SN 084-0163 0014	STRUCTURE SN 084-0164 0014			
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	530	530							
28200200	FILTER FABRIC	SQ YD	455	455							
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	56	56							
35501332	HOT-MIX ASPHALT BASE COURSE, 12"	SQ YD	1772	1772							
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	80	80							
40600300	AGGREGATE (PRIME COAT)	TON	421	421							
40600895	CONSTRUCTING TEST STRIP	EACH	1.5	1.5							
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	210	210							
40600990	TEMPORARY RAMP	SQ YD	454	454							
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	30345	30345							
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	73		73						
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	11052	11052							
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	100	100							
42001300	PROTECTIVE COAT	SQ YD	1804	1804							

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 1 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	31
		CONTRACT NO. 72C88		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE							
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL	STRUCTURE SN 084-0160 0014	STRUCTURE SN 084-0162 0014	STRUCTURE SN 084-0163 0014	STRUCTURE SN 084-0164 0014			
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	1776	1776							
44000100	PAVEMENT REMOVAL	SQ YD	1444	1444							
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	75583	75583							
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	5090	5090							
44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	126233	126233							
44004250	PAVED SHOULDER REMOVAL	SQ YD	2724	2724							
44200529	CLASS A PATCHES, TYPE II, 8 INCH	SQ YD	250	250							
44200533	CLASS A PATCHES, TYPE III, 8 INCH	SQ YD	75	75							
44200982	CLASS B PATCHES, TYPE II, 11 INCH	SQ YD	75	75							
44201299	DOWEL BARS 1 1/2"	EACH	200	200							
44213000	PATCHING REINFORCEMENT	SQ YD	325	325							
44213200	SAWCUTS	FOOT	2595	2595							
48101200	AGGREGATE SHOULDERS, TYPE B	TON	4517	4517							
48203100	HOT-MIX ASPHALT SHOULDERS	TON	16565	16565							

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 2 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	32
		CONTRACT NO. 72C88		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE							
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL	STRUCTURE SN 084-0160 0014	STRUCTURE SN 084-0162 0014	STRUCTURE SN 084-0163 0014	STRUCTURE SN 084-0164 0014			
50105220	PIPE CULVERT REMOVAL	FOOT	384	384							
50157300	PROTECTIVE SHIELD	SQ YD	140		140						
50300225	CONCRETE STRUCTURES	CU YD	50.6				25.3	25.3			
50300255	CONCRETE SUPERSTRUCTURE	CU YD	237.6				118.8	118.8			
50300260	BRIDGE DECK GROOVING	SQ YD	1778				889	889			
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	3426				1713	1713			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	60960				30480	30480			
50800515	BAR SPLICERS	EACH	444				222	222			
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	12				6	6			
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	12				6	6			
52100520	ANCHOR BOLTS, 1"	EACH	48				24	24			
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	868		868						
54215547	METAL END SECTIONS 12"	EACH	4	4							
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	108	108							

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 3 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	33
		CONTRACT NO. 72C88		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE							
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL	STRUCTURE SN 084-0160 0014	STRUCTURE SN 084-0162 0014	STRUCTURE SN 084-0163 0014	STRUCTURE SN 084-0164 0014			
60100945	PIPE DRAINS 12"	FOOT	44	44							
60260100	INLETS TO BE ADJUSTED	EACH	2	2							
60500060	REMOVING INLETS	EACH	8	8							
63500105	DELINEATORS	EACH	285	285							
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	82535	82535							
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9							
67100100	MOBILIZATION	L SUM	0.75	0.75							
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2	2							
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	4							
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	0.75	0.75							
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	0.75	0.75							
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1	1							
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1							
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1							

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 4 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	34
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION CODE							
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL	STRUCTURE SN 084-0160 0014	STRUCTURE SN 084-0162 0014	STRUCTURE SN 084-0163 0014	STRUCTURE SN 084-0164 0014			
70101835	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1	1							
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	45	45							
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	9	9							
70300100	SHORT TERM PAVEMENT MARKING	FOOT	18888	18888							
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	63	63							
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	113185	113185							
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	3614	3614							
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	235	235							
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2099	2099							
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1275	1275							
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1275	1275							
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2							
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2							
78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	10740	10740							

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Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 10:10:42	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 5 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	35
		CONTRACT NO. 72C88		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE							
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL	STRUCTURE SN 084-0160 0014	STRUCTURE SN 084-0162 0014	STRUCTURE SN 084-0163 0014	STRUCTURE SN 084-0164 0014			
78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	63	63							
78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	102445	102445							
78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	3614	3614							
78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	235	235							
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	728	728							
78200530	BARRIER WALL MARKERS, TYPE C	EACH	100	100							
78300100	PAVEMENT MARKING REMOVAL	SQ FT	2370	2370							
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	728	728							
X0320157	CLEANING UNDERDRAIN OUTLETS	EACH	200	200							
X0322279	OUTLET MARKER	EACH	200	200							
X2503000	MAINTENANCE MOWING	ACRE	120	120							
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3544	3544							
X5030530	FLOOR DRAIN EXTENSION	EACH	40				20	20			
X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	25134			17718	3708	3708			

FILE NAME = ...\CADD\D672C88-sht-SOQ.DGN	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -					72	(84-10-3)RS-5	SANGAMON	95 / 36
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -							CONTRACT NO. 72C88	
	PLOT DATE = 04/02/2013 10:11:00	DATE -	REVISED -		SCALE:	SHEET NO. 6 OF SHEETS	STA. TO STA.		ILLINOIS	FED. AID PROJECT	

				CONSTRUCTION CODE							
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL	STRUCTURE SN 084-0160 0014	STRUCTURE SN 084-0162 0014	STRUCTURE SN 084-0163 0014	STRUCTURE SN 084-0164 0014			
X6100120	TYPE E INLET BOX, STANDARD 610001 (SPECIAL)	EACH	2	2							
X6100230	TYPE F INLET BOX, STANDARD 610001 (SPECIAL)	EACH	2	2							
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	102445	102445							
X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	3614	3614							
X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13'	FOOT	235	235							
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	24				12	12			
Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	2158		868		645	645			
Z0005305	BOX CULVERTS TO BE CLEANED	FOOT	1050	1050							
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1290				645	645			
Z0012166	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 3/4"	SQ YD	1290				645	645			
Z0015802	PLUG EXISTING DECK DRAINS	EACH	40				20	20			
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	20				10	10			

FILE NAME = ...\CADD\D672C88-sht-SOQ.DGN
USER NAME =
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 04/02/2013 10:11:22

Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 7 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	37
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION CODE							
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 72 ROADWAY 0004 RURAL	STRUCTURE SN 084-0160 0014	STRUCTURE SN 084-0162 0014	STRUCTURE SN 084-0163 0014	STRUCTURE SN 084-0164 0014			
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	20				10	10			
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	32		30	2					
Z0021907	SILICONE JOINT SEALER, 1.75"	FOOT	82				41	41			
Z0021908	SILICONE JOINT SEALER, 2"	FOOT	133			133					
Z0021914	SILICONE JOINT SEALER, 2.75"	FOOT	141		59		41	41			
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1662				831	831			
Z0034105	MATERIAL TRANSFER DEVICE	TON	37883	37883							
	TYPE C INLET BOX, STANDARD 609001 (SPECIAL)	EACH	4	4							

FILE NAME = ...\CADD\D672C88-sht-SOQ.DGN	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 10:11:39	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 8 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	38
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

STONE DUMPED RIPRAP, CLASS A4
FILTER FABRIC

LOCATION	LENGTH FOOT	WIDTH FOOT	RECOMMENDED DEPTH	RIPRAP TON	FABRIC SQ YD
I-72					
LT. STA. 646+51	50	8	24"	51	44
RT. STA. 646+51	50	8	24"	51	44
LT. STA. 798+04	60	10	24"	78	67
RT. STA. 798+04	80	10	24"	104	89
T.R. 546 (KENT FARM RD.)	98	10	24"	127	109
RT. STA. 4648+55	92	10	24"	119	102
RT. STA. 4651+45					
TOTALS =				530	455

HOT-MIX ASPHALT BASE COURSE, 8"
(INCLUDES EARTH EX. NECESSARY FOR PLACEMENT)

LOCATION	LENGTH FOOT	WIDTH FOOT	SQ YD
T.R. 546 (KENT FARM RD.)			
STA. 4648+50.5 TO STA. 4648+63	12.5	20	28
STA. 4651+37 TO STA. 4651+49.5	12.5	20	28
TOTAL =			56

HOT-MIX ASPHALT BASE COURSE, 12"
(FOR STAGING TRAFFIC @ SN 084-0163(EB)/0164(WB)

LOCATION	SIDE	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72 (WB)				
STA. 795+45 TO STA. 797+99	OUTSIDE	254	10	282
STA. 795+45 TO STA. 797+09	INSIDE	164	6	109
STA. 800+37 TO STA. 803+47	OUTSIDE	310	10	344
STA. 801+27 TO STA. 803+47	INSIDE	220	6	147
I-72 (EB)				
STA. 794+89 TO STA. 797+09	INSIDE	220	6	147
STA. 794+89 TO STA. 797+99	OUTSIDE	310	10	344
STA. 801+27 TO STA. 802+95	INSIDE	168	6	112
STA. 800+37 TO STA. 802+95	OUTSIDE	258	10	287
TOTAL =				1772

PROTECTIVE COAT

LOCATION	SQ YD
I-72 (BRIDGE APPR. CONN.)	
STA. 797+09 TO STA. 798+09 (WB)	444
STA. 797+09 TO STA. 798+09 (EB)	444
STA. 800+27 TO STA. 801+27 (WB)	444
STA. 800+27 TO STA. 801+27 (EB)	444
T.R. 546 (KENT FARM RD.) (CONC. SHLD.S)	
LT. STA. 4648+55	7
RT. STA. 4648+55	7
LT. STA. 4651+45	7
RT. STA. 4651+45	7
TOTAL =	1804

BITUMINOUS MATERIALS (PRIME COAT) RATE-0.00038 T/SY
AGGREGATE (PRIME COAT) RATE-0.002 T/SY
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 RATE-2.016 T/CY
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 RATE-2.016 T/CY

MAINLINE AND RAMP PAVEMENTS

LOCATION	LENGTH FOOT	WIDTH FOOT	SQ YD	BIT. MATL'S (PC) TON	AGGREGATE (PC) TON	BINDER THICK INCHES	HMA BINDER TON	SURF. THICK INCHES	HMA SURFACE TON
I-72 (WB)									
LT. STA. 607+45 TO LT. STA. 718+68.6	11123.6	24	29662.9	11.27	59.33	4.5	7475.1	1.5	2491.7
LT. STA. 718+68.6 TO LT. STA. 719+13.6	45	24	120.0	0.05	0.24	2.25	15.1	3.75 TO 1.5	17.6
LT. STA. 719+13.6 TO LT. STA. 723+43.6	430	24	1146.7	0.44	2.29			3	192.6
LT. STA. 723+43.6 TO LT. STA. 723+88.6	45	24	120.0	0.05	0.24	2.25	15.1	1.5 TO 3.75	17.6
LT. STA. 723+88.6 TO LT. STA. 796+54	7265.4	24	19374.4	7.36	38.75	4.5	4882.3	1.5	1627.4
LT. STA. 796+54 TO LT. STA. 796+94	40	24	106.7	0.04	0.21	2.25	13.4	3.75 TO 1.5	15.7
LT. STA. 796+94 TO LT. STA. 797+09	15	24	40	0.02	0.08			3.75 TO 3.25	7.8
BRIDGE OMISSION									
LT. STA. 801+27 TO LT. STA. 801+42	15	24	40	0.02	0.08			3.25 TO 3.75	7.8
LT. STA. 801+42 TO LT. STA. 801+82	40	24	106.7	0.04	0.21	2.25	13.4	1.5 TO 3.75	15.7
LT. STA. 801+82 TO LT. STA. 825+21.2	2339.2	24	6237.9	2.37	12.48	4.5	1571.9	1.5	524.0
LT. STA. 825+21.2 TO LT. STA. 825+61.2	40	24	106.7	0.04	0.21	2.25	13.4	3.75 TO 1.5	15.7
LT. STA. 825+61.2 TO LT. STA. 825+76.2	15	24	40	0.02	0.08			3.75 TO 3.25	7.8
I-72 (EB)									
RT. STA. 607+45 TO RT. STA. 718+68.6	11123.6	24	29662.9	11.27	59.33	4.5	7475.1	1.5	2491.7
RT. STA. 718+68.6 TO RT. STA. 719+13.6	45	24	120.0	0.05	0.24	2.25	15.1	3.75 TO 1.5	17.6
RT. STA. 719+13.6 TO RT. STA. 723+43.6	430	24	1146.7	0.44	2.29			3	192.6
RT. STA. 723+43.6 TO RT. STA. 723+88.6	45	24	120.0	0.05	0.24	2.25	15.1	1.5 TO 3.75	17.6
RT. STA. 723+88.6 TO RT. STA. 796+54	7265.4	24	19374.4	7.36	38.75	4.5	4882.3	1.5	1627.4
RT. STA. 796+54 TO RT. STA. 796+94	40	24	106.7	0.04	0.21	2.25	13.4	3.75 TO 1.5	15.7
RT. STA. 796+94 TO RT. STA. 797+09	15	24	40	0.02	0.08			3.75 TO 3.25	7.8
BRIDGE OMISSION									
RT. STA. 801+27 TO RT. STA. 801+42	15	24	40	0.02	0.08			3.25 TO 3.75	7.8
RT. STA. 801+42 TO RT. STA. 801+82	40	24	106.7	0.04	0.21	2.25	13.4	1.5 TO 3.75	15.7
RT. STA. 801+82 TO RT. STA. 825+21.2	2339.2	24	6237.9	2.37	12.48	4.5	1571.9	1.5	524.0
RT. STA. 825+21.2 TO RT. STA. 825+61.2	40	24	106.7	0.04	0.21	2.25	13.4	3.75 TO 1.5	15.7
RT. STA. 825+61.2 TO RT. STA. 825+76.2	15	24	40	0.02	0.08			3.75 TO 3.25	7.8
I-72/FAS 630 (CH 33/DYE RD.) INTERCHANGE									
RAMP A									
STA. 100+00 TO STA. 105+12	51.2	1 TO 28.5	839.1	0.32	1.68	4.5	211.5	1.5	70.5
STA. 105+12 TO STA. 106+62.4	150.4	16	267.4	0.10	0.53	4.5	67.4	1.5	22.5
STA. 106+62.4 TO STA. 107+07.4	45	16	80.0	0.03	0.16	2.25	10.1	3.75 TO 1.5	11.8
STA. 107+07.4 TO STA. 118+08.6	1101.2	16	1957.7	0.74	3.92	2.25	246.7	1.5	164.4
STA/ 118+08.6 TO STA. 118+18.6	10	16	17.8	0.01	0.04			3.75 TO 3.25	3.5
RAMP B									
STA. 201+30.7 TO STA. 201+40.7	10	16	17.8	0.01	0.04			3.25 TO 3.75	3.5
STA. 201+40.7 TO STA. 211+48	1007.3	16	1790.8	0.68	3.58	2.25	225.6	1.5	150.4
STA. 211+48 TO STA. 211+93	45	16	80.0	0.03	0.16	2.25	10.1	1.5 TO 3.75	11.8
STA. 211+93 TO STA. 212+98	105	16 TO 14	175.0	0.07	0.35	4.5	44.1	1.5	14.7
STA. 212+98 TO STA. 213+96	98	14	152.4	0.06	0.30	4.5	38.4	1.5	12.8
STA. 213+96 TO STA. 223+48	952	20.7 TO 1	1147.7	0.44	2.30	4.5	289.2	1.5	96.4
RAMP C									
STA. 300+00 TO STA. 305+30	530	1 TO 28.5	868.6	0.33	1.74	4.5	218.9	1.5	73.0
STA. 305+30 TO STA. 306+62.4	132.4	16	235.4	0.09	0.47	4.5	59.3	1.5	19.8
STA. 306+62.4 TO STA. 307+07.4	45	16	80.0	0.03	0.16	2.25	10.1	3.75 TO 1.5	11.8
STA. 307+07.4 TO STA. 319+57.5	1250.1	16	2222.4	0.84	4.44	2.25	280.0	1.5	186.7
STA. 319+57.5 TO STA. 319+67.5	10	16	17.8	0.01	0.04			3.75 TO 3.25	3.5
RAMP D									
STA. 401+16.3 TO STA. 401+26.3	10	16	17.8	0.01	0.04			3.25 TO 3.75	3.5
STA. 401+26.3 TO STA. 413+09.5	1183.2	16	2103.5	0.80	4.21	2.25	265.0	1.5	176.7
STA. 413+09.5 TO STA. 413+54.5	45	16	80.0	0.03	0.16	2.25	10.1	1.5 TO 3.75	11.8
STA. 413+54.5 TO STA. 414+64.5	110	16 TO 14	183.3	0.07	0.37	4.5	46.2	1.5	15.4
STA. 414+64.5 TO STA. 415+67	102.54	14	159.4	0.06	0.32	4.5	40.2	1.5	13.4
STA. 415+67 TO STA. 425+14.4	947.4	19.5 TO 1	1079.0	0.41	2.16	4.5	271.9	1.5	90.6
TOTALS =				48.61	255.57		30,344.2		11051.3
				USE 48.6	USE 255.5		USE 30,345		USE 11,052

FILE NAME = ...\CADD\D672C88-sht-schedule.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:13:23	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	39
		CONTRACT NO. 72C88		
		ILLINOIS FED. AID PROJECT		

BITUMINOUS MATERIALS (PRIME COAT) RATE-0.00038 T/SY
AGGREGATE (PRIME COAT) RATE-0.002 T/SY
HOT-MIX ASPHALT SHOULDERS RATE-2.016 T/CY
AGGREGATE SHOULDERS, TYPE B RATE-2.05 T/CY

MAINLINE AND RAMP SHOULDERS

* - OUTSIDE + INSIDE SHOULDER WIDTHS
** - AREA FROM MICROSTATION - INCLUDES GORE

INCIDENTAL HOT-MIX ASPHALT SURFACING RATE-2.016 T/CY

E.O.S.-EDGE OF SHOULDER

LOCATION	LENGTH FOOT	* WIDTH FOOT	SQ YD	BIT. MATL'S (PC) TON	AGGREGATE (PC) TON	THICKNESS INCHES	HMA SHOULDERS TON	INCID. HMA TON	* WIDTH FOOT	E.O.S. THICK INCHES	AGG. SHLD. TON
I-72 (WB)											
LT. STA. 607+45 TO LT. STA. 608+00	55	16	97.8	0.04	0.20	3.75	20.5		8	0 TO 2.75	2.9
LT. STA. 608+00 TO LT. STA. 699+58	9158	16	16280.9	6.19	32.56	3.75	3419.0		8	2.75	970.7
LT. STA. 699+58 TO LT. STA. 709+11	953	16	1694.2	0.64	3.39	3.75	355.8		8	2.75	101.0
LT. STA. 709+11 TO LT. STA. 711+16	205	**4932 SQFT	548.0	0.21	1.10	3.75	115.1		8	2.75	21.7
LT. STA. 711+16 TO LT. STA. 718+68.6	752.6	16	1338.0	0.51	2.68	3.75	281.0		8	2.75	79.8
LT. STA. 718+68.6 TO LT. STA. 719+04.1	35.5	16	63.1	0.02	0.13	3.75 to 2	10.2		8	2.75 TO 1	2.8
LT. STA. 719+04.1 TO LT. STA. 723+53.1	449	16	798.2	0.30	1.60	2	89.4		8	0	-
LT. STA. 723+53.1 TO LT. STA. 723+88.6	35.5	16	63.1	0.02	0.13	2 to 3.75	10.2		8	1 TO 2.75	2.8
LT. STA. 723+88.6 TO LT. STA. 732+42	853.4	16	1517.2	0.58	3.03	3.75	318.6		8	2.75	90.5
LT. STA. 732+42 TO LT. STA. 733+92	150	**4859 SQFT	540.0	0.21	1.08	3.75	113.4		8	2.75	15.9
LT. STA. 733+92 TO LT. STA. 739+04	512	16	910.2	0.35	1.82	3.75	191.1		8	2.75	54.3
LT. STA. 739+04 TO LT. STA. 796+54	5750	16	10222.2	3.88	20.44	3.75	2146.7		8	2.75	609.5
LT. STA. 796+54 TO LT. STA. 796+89	35	16	62.2	0.02	0.12	3.75 TO 2	10.0		8	2.75 TO 1	2.7
LT. STA. 796+89 TO LT. STA. 797+09	20	16	35.6	0.01	0.07	2	4.0		8	1 TO 0	0.5
BRIDGE OMISSION											
LT. STA. 801+27 TO LT. STA. 801+47	20	16	35.6	0.01	0.07	2	4.0		8	0 TO 1	0.5
LT. STA. 801+47 TO LT. STA. 801+82	35	16	62.2	0.02	0.12	2 TO 3.75	10.0		8	1 TO 2.75	2.7
LT. STA. 801+82 TO LT. STA. 825+21.2	2339.2	16	4158.6	1.58	8.32	3.75	873.3		8	2.75	247.9
LT. STA. 825+21.2 TO LT. STA. 825+56.2	35	16	62.2	0.02	0.12	3.75 TO 2	10.0		8	2.75 TO 1	2.7
LT. STA. 825+56.2 TO LT. STA. 825+76.2	20	16	35.6	0.01	0.07	2	4.0		8	1 TO 0	0.5
I-72 (EB)											
RT. STA. 607+45 TO RT. STA. 608+00	55	16	97.8	0.04	0.20	3.75	20.5		8	0 TO 2.75	2.9
RT. STA. 608+00 TO RT. STA. 702+03	9403	16	16716.4	6.35	33.43	3.75	3510.5		8	2.75	996.6
RT. STA. 702+03 TO RT. STA. 707+33	530	16	942.2	0.36	1.88	3.75	197.9		8	2.75	56.2
RT. STA. 707+33 TO RT. STA. 708+66	133	**4259 SQFT	473.2	0.18	0.95	3.75	99.4		8	2.75	14.1
RT. STA. 708+66 TO RT. STA. 718+68.6	1002.6	16	1782.4	0.68	3.56	3.75	374.3		8	2.75	106.3
RT. STA. 718+68.6 TO RT. STA. 719+04.1	35.5	16	63.1	0.02	0.13	3.75 TO 2	10.2		8	2.75 TO 1	2.8
RT. STA. 719+04.1 TO RT. STA. 723+53.1	449	16	798.2	0.30	1.60	2	89.4		8	0	-
RT. STA. 723+53.1 TO RT. STA. 723+88.6	35.5	16	63.1	0.02	0.13	2 TO 3.75	10.2		8	1 TO 2.75	2.8
RT. STA. 723+88.6 TO RT. STA. 732+98	909.4	16	1616.7	0.61	3.23	3.75	339.5		8	2.75	96.4
RT. STA. 732+98 TO RT. STA. 735+13	215	**4993 SQFT	554.8	0.21	1.11	3.75	116.5		8	2.75	22.8
RT. STA. 735+13 TO RT. STA. 744+61	948	16	1685.3	0.64	3.37	3.75	353.9		8	2.75	100.5
RT. STA. 744+61 TO RT. STA. 796+54	5193	16	9232.0	3.51	18.46	3.75	1938.7		8	2.75	550.4
RT. STA. 796+54 TO RT. STA. 797+89	35	16	62.2	0.02	0.12	3.75 TO 2	10.0		8	2.75 TO 1	2.7
RT. STA. 796+89 TO RT. STA. 797+09	20	16	35.6	0.01	0.07	2	4.0		8	1 TO 0	0.5
BRIDGE OMISSION											
RT. STA. 801+27 TO RT. STA. 801+47	20	16	35.6	0.01	0.07	2	4.0		8	0 TO 1	0.5
RT. STA. 801+47 TO RT. STA. 801+82	35	16	62.2	0.02	0.12	2 TO 3.75	10.0		8	1 TO 2.75	2.7
RT. STA. 801+82 TO RT. STA. 825+21.2	2339.2	16	4158.6	1.58	8.32	3.75	873.3		8	2.75	247.9
RT. STA. 825+21.2 TO RT. STA. 825+56.2	35	16	62.2	0.02	0.12	3.75 TO 2	10.0		8	2.75 TO 1	2.7
RT. STA. 825+56.2 TO RT. STA. 825+76.2	20	16	35.6	0.01	0.07	2	4.0		8	1 TO 0	0.5
I-72/FAS 630 (CH 33/DYE RD.) INTERCHANGE											
RAMP A											
STA. 106+62.40 TO STA. 107+07.4	4.5	10	50.0	0.02	0.10	3.75 TO 2	8.1		6	2.75 TO 0.50	2.8
STA. 107+07.4 TO STA. 118+08.6	1101.2	10	1223.6	0.46	2.45	2	137.0		6	0.50	20.9
STA. 118+08.6 TO STA. 118+18.6	10	10	11.1	0.01	0.02	2 TO 1.5	1.1		6	0.50 TO 0	0.1
RAMP B											
STA. 201+30.7 TO STA. 201+40.7	10	10	11.1	0.01	0.02	1.5 TO 2	1.1		6	0 TO 0.50	0.1
STA. 201+40.7 TO STA. 211+48	1007.3	10	1119.2	0.43	2.24	2	125.4		6	0.50	19.1
STA. 211+48 TO STA. 211+93	45	10	50.0	0.02	0.10	2 TO 3.75	8.1		6	0.50 TO 2.75	2.8
RAMP C											
STA. 306+62.4 TO STA. 307+07.4	45	10	50.0	0.02	0.10	3.75 TO 2	8.1		6	2.75 TO 0.50	2.8
STA. 307+07.4 TO STA. 319+57.5	1250.1	10	1389.0	0.53	2.78	2	155.6		6	0.50	23.7
STA. 319+57.5 TO STA. 319+67.5	10	10	11.1	0.01	0.02	2 TO 1.5	1.1		6	0.50 TO 0	0.1
RAMP D											
STA. 401+16.3 TO STA. 401+26.3	10	10	11.1	0.01	0.02	1.5 TO 2	1.1		6	0 TO 0.50	0.1
STA. 401+26.3 TO STA. 413+09.5	1183.2	10	1314.7	0.50	2.63	2	147.2		6	0.50	22.5
STA. 413+09.5 TO STA. 413+54.5	45	10	50.0	0.02	0.10	2 TO 3.75	8.1		6	0.50 TO 2.75	2.8
MEDIAN CROSSOVERS											
STA. 685+70			238	0.09	0.48						
STA. 761+50			238	0.09	0.48						
						3.75		50			
						3.75		50			
TOTALS =				31.35	165.53		16,564.8	100			4,516.5
				USE 31.4	USE 165.5		USE 16,565				USE 4,517

PAVEMENT REMOVAL

LOCATION	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72			
LT. STA. 797+09 TO LT. STA. 797+99	90	24	240
LT. STA. 797+99 TO LT. STA. 798+39	40	24	107
RT. STA. 797+09 TO RT. STA. 797+99	90	24	240
RT. STA. 797+99 TO RT. STA. 798+39	40	24	107
LT. STA. 799+97 TO LT. STA. 800+37	40	24	107
LT. STA. 800+37 TO LT. STA. 801+27	90	24	240
RT. STA. 799+97 TO RT. STA. 800+37	40	24	107
RT. STA. 800+37 TO RT. STA. 801+27	90	24	240
TR 546 (KENT FARM RD)			
STA. 4648+50.5 TO STA. 4648+63	12.5	20	28
STA. 4651+37 TO STA. 4651+49.5	12.5	20	28
TOTAL =			1444

PAVED SHOULDER REMOVAL

(* FOR STAGING TRAFFIC @ SN 084-0163(EB)/0164(WB)

LOCATION	SIDE	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72 (WB) *				
STA. 795+45 TO STA. 797+99	OUTSIDE	254	10	282
STA. 795+45 TO STA. 797+09	INSIDE	164	6	109
STA. 800+37 TO STA. 803+47	OUTSIDE	310	10	344
STA. 801+27 TO STA. 803+47	INSIDE	220	6	147
I-72 (EB) *				
STA. 794+89 TO STA. 797+09	INSIDE	220	6	147
STA. 794+89 TO STA. 797+99	OUTSIDE	310	10	344
STA. 801+27 TO STA. 802+95	INSIDE	168	6	112
STA. 800+37 TO STA. 802+95	OUTSIDE	258	10	287
(FOR CONSTRUCTING NEW INLETS)				
T.R. 546 (KENT FARM RD.)				
STA. 4648+50.5 TO STA. 4648+63	LT	12.5	5	7
STA. 4648+50.5 TO STA. 4648+63	RT	12.5	5	7
STA. 4651+37 TO STA. 4651+49.5	LT	12.5	5	7
STA. 4651+37 TO STA. 4651+49.5	RT	12.5	5	7
FAI 72 (WB)				
LT. STA. 797+09 TO LT. STA. 797+99	OUT & IN	90	16	160
LT. STA. 797+99 TO LT. STA. 798+39	OUT & IN	40	16	71
LT. STA. 799+97 TO LT. STA. 800+37	OUT & IN	40	16	71
LT. STA. 800+37 TO LT. STA. 801+27	OUT & IN	90	16	160
FAI 72 (EB)				
RT. STA. 797+09 TO RT. STA. 797+99	IN & OUT	90	16	160
RT. STA. 797+99 TO RT. STA. 798+39	IN & OUT	40	16	71
RT. STA. 799+97 TO RT. STA. 800+37	IN & OUT	40	16	71
RT. STA. 800+37 TO RT. STA. 801+27	IN & OUT	90	16	160
TOTAL =				2724

BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)

(WIDTH = 24' PAVEMENT + 10' OUTSIDE SHLD. + 6' INSIDE SHLD.)

LOCATION	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72 (BRIDGE APPR. CONN.)			
STA. 797+09 TO STA. 798+09 (WB)	100	40	444
STA. 797+09 TO STA. 798+09 (EB)	100	40	444
STA. 800+27 TO STA. 801+27 (WB)	100	40	444
STA. 800+27 TO STA. 801+27 (EB)	100	40	444
TOTAL =			1776

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Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	40
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

LOCATION	SIDE	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72				
LT. STA. 796+89 TO LT. STA. 797+09	(WB-OUTSIDE SHLD)	20	10	22
LT. STA. 796+89 TO LT. STA. 797+09	(WB-INSIDE SHLD)	20	6	13
RT. STA. 796+89 TO RT. STA. 797+09	(EB-INSIDE SHLD)	20	6	13
RT. STA. 796+89 TO RT. STA. 797+09	(EB-OUTSIDE SHLD)	20	10	22
LT. STA. 801+27 TO LT. STA. 801+47	(WB-OUTSIDE SHLD)	20	10	22
LT. STA. 801+27 TO LT. STA. 801+47	(WB-INSIDE SHLD)	20	6	13
RT. STA. 801+27 TO RT. STA. 801+47	(EB-INSIDE SHLD)	20	6	13
RT. STA. 801+27 TO RT. STA. 801+47	(EB-OUTSIDE SHLD)	20	10	22
LT. STA. 825+56.2 TO LT. STA. 825+76.2	(WB-OUTSIDE SHLD)	20	10	22
LT. STA. 825+56.2 TO LT. STA. 825+76.2	(WB-INSIDE SHLD)	20	6	13
RT. STA. 825+56.2 TO RT. STA. 825+76.2	(EB-INSIDE SHLD)	20	6	13
RT. STA. 825+56.2 TO RT. STA. 825+76.2	(EB-OUTSIDE SHLD)	20	10	22
TOTAL =				210

TEMPORARY RAMP

LOCATION	THICKNESS INCHES	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72 (WB)				
LT. STA. 607+45 (M.L.)	6	20	24	53.3
LT. STA. 607+45 (SHLD)	3.75	12.5	16	22.2
LT. STA. 797+09 (M.L.)	3.25	10.8	24	28.9
LT. STA. 797+09 (SHLD)	2	6.7	16	11.9
LT. STA. 801+27 (M.L.)	3.25	10.8	24	28.9
LT. STA. 801+27 (SHLD)	2	6.7	16	11.9
LT. STA. 825+76.2 (M.L.)	3.25	10.8	24	28.9
LT. STA. 825+76.2 (SHLD)	2	6.7	16	11.9
FAI 72 (EB)				
RT. STA. 607+45 (M.L.)	6	20	24	53.3
RT. STA. 607+45 (SHLD)	3.75	12.5	16	22.2
RT. STA. 797+09 (M.L.)	3.25	10.8	24	28.9
RT. STA. 797+09 (SHLD)	2	6.7	16	11.9
RT. STA. 801+27 (M.L.)	3.25	10.8	24	28.9
RT. STA. 801+27 (SHLD)	2	6.7	16	11.9
RT. STA. 825+76.2 (M.L.)	3.25	10.8	24	28.9
RT. STA. 825+76.2 (SHLD)	2	6.7	16	11.9
FAI 72/FAS 630 (CH. 33/DYE RD.) INTERCHANGE RAMPS				
STA. 118+18.6 (RAMP A)	1.5	5	26	14.4
STA. 201+30.7 (RAMP B)	1.5	5	26	14.4
STA. 319+67.5 (RAMP C)	1.5	5	26	14.4
STA. 401+16.3 (RAMP D)	1.5	5	26	14.4
TOTAL =				453.4

CONSTRUCTING TEST STRIP

LOCATION	EACH
FAI 72	
(BINDER COURSE)	1
(SURFACE COURSE)	1
TOTAL =	2

HOT-MIX ASPHALT SURFACE REMOVAL, 1''

LOCATION	SIDE	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72 (WB SHLD)				
LT. STA. 608+00 TO LT. STA. 710+08	OUTSIDE	10208	10	11342
LT. STA. 710+08 TO LT. STA. 711+16	OUTSIDE	108	10+6/2	96
LT. STA. 709+11 TO LT. STA. 711+16	OUTSIDE (GORE)	205	6+16/2	251
LT. STA. 711+16 TO LT. STA. 719+04.1	OUTSIDE	788.1	10	876
LT. STA. 719+04.1 TO LT. STA. 723+53.1	OUTSIDE	--	10	--
LT. STA. 723+53.1 TO LT. STA. 732+42	OUTSIDE	888.9	10	988
LT. STA. 732+42 TO LT. STA. 733+92	OUTSIDE (GORE)	150	20+12.5/2	271
LT. STA. 732+42 TO LT. STA. 796+89	OUTSIDE	6447	10	7163
STRUCTURE				
LT. STA. 801+47 TO LT. STA. 825+56.2	OUTSIDE	2409.2	10	2677
LT. STA. 608+00 TO LT. STA. 719+04.1	INSIDE	11104.1	6	7403
LT. STA. 719+04.1 TO LT. STA. 723+53.1	INSIDE	--	6	--
LT. STA. 723+53.1 TO LT. STA. 796+89	INSIDE	7335.9	6	4891
STRUCTURE				
LT. STA. 801+47 TO LT. STA. 825+56.2	INSIDE	2409.2	6	1606
I-72 (EB SHLD)				
RT. STA. 608+00 TO RT. STA. 719+04.1	INSIDE	11104.1	6	7403
RT. STA. 719+04.1 TO RT. STA. 723+53.1	INSIDE	--	6	--
RT. STA. 723+53.1 TP RT. STA. 796+89	INSIDE	7335.9	6	4891
STRUCTURE				
RT. STA. 801+47 TO RT. STA. 825+56.2	INSIDE	2409.2	6	1606
RT. STA. 608+00 TO RT. STA. 708+66	OUTSIDE	10066	10	11184
RT. STA. 707+33 TO RT. STA. 708+66	OUTSIDE (GORE)	133	12.5+20/2	240
RT. STA. 708+66 TO RT. STA. 719+04.1	OUTSIDE	1038.1	10	1153
RT. STA. 719+04.1 TO RT. STA. 723+53.1	OUTSIDE	--	10	--
RT. STA. 723+53.1 TO RT. STA. 732+98	OUTSIDE	944.9	10	1050
RT. STA. 723+98 TO RT. STA. 735+13	OUTSIDE (GORE)	215	16+6/2	263
RT. STA. 732+98 TO RT. STA. 734+11	OUTSIDE	113	6+10/2	100
RT. STA. 734+11 TO RT. STA. 796+89	OUTSIDE	6278	10	6976
STRUCTURE				
RT. STA. 801+47 TO RT. STA. 825+56.2	OUTSIDE	2409.2	10	2677
MEDIAN CROSSOVER @ STA. 685+70				238
MEDIAN CROSSOVER @ STA. 761+50				238
TOTAL =				75,583

HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2''

LOCATION	SIDE	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72/FAS 630 (CH 33/DYE RD.) INTERCHANGE				
RAMP A				
RT. STA. 107+07.4 TO RT. STA. 118+18.6	OUTSIDE	1111.2	6	741
LT. STA. 107+07.4 TO LT. STA. 118+18.6	INSIDE	1111.2	4	494
RAMP B				
RT. STA. 201+30.7 TO RT. STA. 211+48	OUTSIDE	1017.3	6	678
LT. STA. 201+30.7 TO LT. STA. 211+48	INTSIDE	1017.3	4	452
RAMP C				
RT. STA. 307+07.4 TO RT. STA. 319+67.5	OUTSIDE	1260.1	6	840
LT. STA. 307+07.4 TO LT. STA. 319+67.5	INTSIDE	1260.1	4	560
RAMP D				
RT. STA. 401+16.3 TO RT. STA. 413+09.5	OUTSIDE	1193.2	6	795
LT. STA. 401+16.3 TO LT. STA. 413+09.5	INSIDE	1193.2	4	530
TOTAL =				5,090

PIPE CULVERT REMOVAL
(INCLUDES METAL END SECTIONS)

LOCATION	TYPE	FOOT
I-72		
LT. STA. 798+28	12'' S.S.	33
LT. STA. 798+28	12'' CMP	60
RT. STA. 798+28	12'' S.S.	33
RT. STA. 798+28	12'' CMP	68
TR 546 (KENT FARM RD.)		
STA. 4648+55	12'' S.S.	23
RT. STA. 4648+55	12'' CMP	72
STA. 4651+45	12'' S.S.	23
RT. STA. 4651+45	12'' CMP	72
TOTAL =		384

METAL END SECTIONS 12''

LOCATION	EACH
I-72	
LT. STA. 798+04 (WB) OUTSIDE	1
RT. STA. 798+04 (EB) OUTSIDE	1
TR. 546 (KENT FARM RD.)	
RT. STA. 4648+55	1
RT. STA. 4651+45	1
TOTAL =	4

STORM SEWERS, CLASS A, TYPE 1 12''

LOCATION	FOOT
I-72	
LT. STA. 798+04 (WB)	32
RT. STA. 798+04 (EB)	32
TR. 546 (KENT FARM RD.)	
RT. STA. 4648+55	22
RT. STA. 4651+45	22
TOTAL =	108

PIPE DRAINS 12''

LOCATION	FOOT
I-72	
LT. STA. 798+04 (WB) OUTSIDE	14
RT. STA. 798+04 (EB) OUTSIDE	14
TR. 546 (KENT FARM RD.)	
RT. STA. 4648+55	8
RT. STA. 4651+45	8
TOTAL =	44

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Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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	PLOT DATE = 04/02/2013 09:14:02	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	41
		CONTRACT NO. 72C88		
		ILLINOIS FED. AID PROJECT		

HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"

LOCATION	LENGTH FOOT	WIDTH FOOT	SQ YD
I-72			
(WESTBOUND)			
LT. STA. 608+00 TO LT. STA. 720+04	11204	24	29877
LT. STA. 722+40 TO LT. STA. 797+09	7469	24	19917
LT. STA. 801+27 TO LT. STA. 825+76.20	2449.2	24	6531
(EASTBOUND)			
RT. STA. 608+00 TO RT. STA. 720+04	11204	24	29877
RT. STA. 722+40 TO RT. STA. 797+09	7469	24	19917
RT. STA. 801+27 TO RT. STA. 825+76.20	2449.2	24	6531
I-72/FAS 630 (CH 33/DYE RD.) INTERCHANGE			
(RAMP A)			
STA. 100+00 TO STA. 105+12	512	1 TO 28.5	839
STA. 105+12 TO STA. 118+18.6	1306.6	16	2323
(RAMP B)			
STA. 201+30.7 TO STA. 211+84	1053.3	16	1873
STA. 211+84 TO STA. 212+98.3	114.3	16 TO 14	191
STA. 212+98.3 TO STA. 213+95	96.7	14	150
STA. 213+95 TO STA. 223+48.25	953.3	20 TO 1	1112
(RAMP C)			
STA. 300+00 TO STA. 305+30	530	1 TO 29.4	895
STA. 305+30 TO STA. 319+67.5	1437.5	16	2556
(RAMP D)			
STA. 401+16.3 TO STA. 413+50.5	1234.2	16	2194
STA. 413+50.5 TO STA. 414+64.5	114	16 TO 14	190
STA. 414+64.5 TO STA. 415+67	99.5	14	155
STA. 415+67 TO STA. 425+14.4	947.4	20 TO 1	1105
TOTAL =			126,233

INLETS TO BE ADJUSTED

LOCATION	EACH
I-72	
78" LT. STA. 733+05	1
74" RT. STA. 735+17	1
TOTAL =	2

REMOVING INLETS

LOCATION	EACH
I-72	
LT. STA. 798+28 INSIDE SHLD.	1
LT. STA. 798+28 OUTSIDE SHLD.	1
RT. STA. 798+28 INSIDE SHLD.	1
RT. STA. 798+28 OUTSIDE SHLD.	1
T.R. 546 (KENT FARM RD.)	
LT. STA. 4648+55	1
RT. STA. 4648+55	1
LT. STA. 4651+45	1
RT. STA. 4651+45	1
TOTAL =	8

DELINEATORS
(BASED ON STANDARD 635001)

LOCATION	SPACING	LENGTH FOOT	SINGLE EACH	DOUBLE EACH
I-72				
LT. STA. 608+00 TO LT. STA. 699+58	400	9158	23	-
RT. STA. 608+00 TO RT. STA. 702+03	400	9403	24	-
LT. STA. 739+04 TO LT. STA. 798+09	400	5905	15	-
RT. STA. 744+60 TO RT. STA. 798+09	400	5349	13	-
LT. STA. 800+27 TO LT. STA. 825+76	400	2549	6	-
RT. STA. 800+27 TO RT. STA. 825+76	400	2549	6	-
I-72/FAS 630 (CH 33/DYE RD.) INTERCHANGE				
(RAMP A)				
RT. STA. 100+00 TO RT. STA. 106+60	100	660	-	14
LT. STA. 107+50 TO LT. STA. 112+05	80	455	6	-
RT. STA. 106+60 TO RT. STA. 112+05	80	545	7	-
RT. STA. 112+05 TO RT. STA. 114+45	100	240	2	-
LT. STA. 112+05 TO LT. STA. 114+45	100	240	2	-
RT. STA. 114+45 TO RT. STA. 116+85	65	240	4	-
RT. STA. 116+85 TO RT. STA. 118+20	100	135	1	-
(RAMP B)				
RT. STA. 201+00 TO RT. STA. 202+25	100	125	1	-
RT. STA. 202+25 TO RT. STA. 204+75	65	250	4	-
LT. STA. 204+75 TO LT. STA. 207+10	100	235	2	-
RT. STA. 204+75 TO RT. STA. 207+10	100	235	2	-
LT. STA. 207+10 TO LT. STA. 211+50	80	440	6	-
RT. STA. 207+10 TO RT. STA. 213+00	80	590	7	-
RT. STA. 213+00 TO RT. STA. 223+48	100	1048	-	20
(RAMP C)				
RT. STA. 300+00 TO RT. STA. 306+60	100	660	-	14
LT. STA. 307+50 TO LT. STA. 312+25	80	475	6	-
RT. STA. 306+60 TO RT. STA. 312+25	80	565	7	-
LT. STA. 312+25 TO LT. STA. 314+70	100	245	2	-
RT. STA. 312+25 TO RT. STA. 314+70	100	245	2	-
RT. STA. 314+70 TO RT. STA. 318+50	65	380	6	-
RT. STA. 318+50 TO RT. STA. 319+70	100	120	1	-
(RAMP D)				
RT. STA. 401+15 TO RT. STA. 402+50	100	135	1	-
RT. STA. 402+50 TO RT. STA. 406+25	65	375	6	-
LT. STA. 406+25 TO LT. STA. 408+70	100	245	2	-
RT. STA. 408+70 TO RT. STA. 414+65	80	595	7	-
LT. STA. 408+70 TO LT. STA. 413+00	80	430	5	-
RT. STA. 414+65 TO RT. STA. 425+15	100	1050	-	20
SUBTOTAL =			176	68

DELINEATORS

LOCATION	EACH
I-72	
STA. 614+70, 95' LT.	1
STA. 614+70, 95' RT.	1
STA. 625+00, 85' RT.	1
STA. 635+00, 95' RT.	1
STA. 646+51, 95' LT.	1
STA. 646+51, 95' RT.	1
STA. 657+00, 90' LT.	1
STA. 666+00, 95' LT.	1
STA. 677+00, 95' LT.	1
STA. 686+00, 95' LT.	1
STA. 686+00, 95' RT.	1
STA. 704+00, 105' LT.	1
STA. 716+00, 95' LT.	1
STA. 728+00, 95' LT.	1
STA. 741+15, 120' RT.	1
STA. 741+80, 115' LT.	1
STA. 750+45, 110' RT.	1
STA. 751+75, 115' LT.	1
STA. 766+00, 120' LT.	1
STA. 777+95, 120' RT.	1
STA. 785+00, 110' RT.	1
STA. 791+33, 140' LT.	1
STA. 791+33, 140' RT.	1
STA. 795+00, 110' LT.	1
STA. 798+28, 145' RT.	1
STA. 802+70, 120' RT.	1
STA. 813+00, 90' RT.	1
STA. 825+70, 95' LT.	1
STA. 825+70, 95' RT.	1
I-72/FAS 630 (CH 33/DYE RD.) INTERCHANGE	
(RAMP A)	
STA. 105+98, 20' RT.	1
STA. 109+92, 40' LT.	1
STA. 109+92, 30' RT.	1
(RAMP B)	
STA. 202+00, 58' LT.	1
STA. 202+00, 58' RT.	1
STA. 209+00, 50' LT.	1
STA. 209+00, 42' RT.	1
(RAMP C)	
STA. 319+00, 75' LT.	1
STA. 319+00, 75' RT.	1
(RAMP D)	
STA. 407+00, 58' LT.	1
STA. 407+00, 58' RT.	1
STA. 415+70, 38' RT.	1
SUBTOTAL =	41
TOTAL =	285

TRAFFIC CONTROL AND PROTECTION, STANDARD 701402

LOCATION	EACH
I-72	
(EB) SN 084-0163	1
(WB) SN 084-0164	1
TOTAL =	2

TRAFFIC CONTROL AND PROTECTION, STANDARD 701411

LOCATION	EACH
I-72/FAS 630 (CH 33/DYE RD.) INTERCHANGE	
WB EXIT RAMP A	1
WB ENTRANCE RAMP B	1
EB EXIT RAMP C	1
EB ENTRANCE RAMP D	1
TOTAL =	4

WORK ZONE PAVEMENT MARKING REMOVAL
(TEMPORARY PAVEMENT MARKING NOT INCLUDED)

ITEM	SQ FT
SHORT TERM PAVEMENT MARKING (1 - APPLICATION)	2099
TOTAL =	2,099

FILE NAME = ...\CADD\D672C88-sht-schedule.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:14:26	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	42
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

SHOULDER RUMBLE STRIPS, 16 INCH

LOCATION	SIDE	FOOT
I-72		
LT. STA. 607+45 TO LT. STA. 699+58	OUTSIDE	9213
LT. STA. 607+45 TO LT. STA. 685+40	MEDIAN	7795
RT. STA. 607+45 TO RT. STA. 685+40	MEDIAN	7795
RT. STA. 607+45 TO RT. STA. 702+00	OUTSIDE	9455
LT. STA. 711+50 TO LT. STA. 732+40	OUTSIDE	2090
LT. STA. 686+00 TO LT. STA. 761+25	MEDIAN	7525
RT. STA. 686+00 TO RT. STA. 761+25	MEDIAN	7525
RT. STA. 708+70 TO RT. STA. 733+00	OUTSIDE	2430
LT. STA. 739+05 TO LT. STA. 798+09	OUTSIDE	5904
LT. STA. 761+80 TO LT. STA. 798+09	MEDIAN	3629
RT. STA. 761+80 TO RT. STA. 798+09	MEDIAN	3629
RT. STA. 744+60 TO RT. STA. 798+09	OUTSIDE	5349
LT. STA. 800+27 TO LT. STA. 825+76	OUTSIDE	2549
LT. STA. 800+27 TO LT. STA. 825+76	MEDIAN	2549
RT. STA. 800+27 TO RT. STA. 825+76	MEDIAN	2549
RT. STA. 800+27 TO RT. STA. 825+76	OUTSIDE	2549
TOTAL =		82,535

SHORT-TERM PAVEMENT MARKING

LOCATION			MARKING LENGTH	TYPE
STA.	STA.	LT./RT.	FOOT	
I-72				
607+45	825+76	RT	218	YELLOW DIAGONAL
607+45	825+76	RT	2,184	WHITE SKIP DASH
607+45	825+76	RT	218	WHITE DIAGONAL
607+45	825+76	LT	218	WHITE DIAGONAL
607+45	825+76	LT	2,184	WHITE SKIP DASH
607+45	825+76	LT	218	YELLOW DIAGONAL
RAMP A				
100+00	118+19	RT	92	WHITE DIAGONAL
102+48	102+98	LT	100	2 - 50' SOLID WHITE
102+48	106+62	LT	44	WHITE SKIP DASH
106+62	118+19	LT	58	YELLOW DIAGONAL
RAMP B				
201+31	223+48	RT	112	WHITE DIAGONAL
201+31	212+98	LT	60	YELLOW DIAGONAL
212+98	217+92	LT	52	WHITE SKIP DASH
RAMP C				
300+00	319+68	RT	100	WHITE DIAGONAL
302+62	303+12	LT	100	2 - 50' SOLID WHITE
303+12	306+62	LT	36	WHITE SKIP DASH
306+62	319+68	LT	66	YELLOW DIAGONAL
RAMP D				
401+16	425+14	RT	120	WHITE DIAGONAL
401+16	414+65	LT	68	YELLOW DIAGONAL
414+65	419+21	LT	48	WHITE SKIP DASH
SUBTOTAL			6,296	
APPLICATIONS			3	
TOTAL			18,888	

NOTE: TEMPORARY PAVEMENT MARKING QUANTITIES SAME AS PERMANENT PAVEMENT MARKING QUANTITIES.

PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5''

LOCATION			MARKING LENGTH	TYPE
STA.	STA.	LT./RT.	FOOT	
607+45	797+09	RT	4750	WHITE SKIP DASH
607+45	797+09	LT	4750	WHITE SKIP DASH
801+27	825+76	LT	620	WHITE SKIP DASH
801+27	825+76	RT	620	WHITE SKIP DASH
TOTAL			10,740	

RAISED REFLECTIVE PAVEMENT MARKER

LOCATION			NUMBER REQ'D	TYPE
STA.	STA.	LT./RT.	EACH	
I-72				
607+45	797+09	RT	239	ONE-WAY CRYSTAL
607+45	797+09	LT	239	ONE-WAY CRYSTAL
801+27	825+76	LT	63	ONE-WAY CRYSTAL
801+27	825+76	RT	63	ONE-WAY CRYSTAL
RAMP A				
100+00	106+62	RT	35	ONE-WAY CRYSTAL
102+48	106+62	LT	12	ONE-WAY CRYSTAL
106+62	112+05	LT	15	ONE-WAY AMBER
RAMP C				
300+00	306+62	RT	35	ONE-WAY CRYSTAL
302+62	306+62	LT	11	ONE-WAY CRYSTAL
306+62	312+26	LT	16	ONE-WAY AMBER
TOTAL			728	

PAVEMENT MARKING REMOVAL

LOCATION			AREA	TYPE
STA.	STA.	LT./RT.	SQ FT	
I-72 (STAGE 1)				
795+00	804+00	LT	375	WHITE EDGE LINE
795+15	796+54	LT	15	WHITE SKIP DASH
801+82	804+00	LT	23	WHITE SKIP DASH
794+30	803+30	RT	375	WHITE EDGE LINE
794+49	796+54	RT	22	WHITE SKIP DASH
801+82	803+22	RT	15	WHITE SKIP DASH
I-72 (STAGE 2)				
795+15	796+54	LT	58	YELLOW EDGE LINE
801+82	803+87	LT	85	YELLOW EDGE LINE
794+43	796+54	RT	88	YELLOW EDGE LINE
801+82	803+22	RT	58	YELLOW EDGE LINE
FAS 630 (CH 33/DYE RD.) (STAGE 1)				
3341+50	3355+18	RT	570	WHITE EDGE LINE
3353+09	3355+18	RT	87	WHITE EDGE LINE
3353+54		RT	16	LEFT TURN ARROW
3355+06		RT	16	LEFT TURN ARROW
FAS 630 (CH 33/DYE RD.) (STAGE 2)				
3344+86	3356+00	LT	464	WHITE EDGE LINE
3344+86	3346+60	LT	73	WHITE EDGE LINE
3345+18		LT	16	LEFT TURN ARROW
3346+45		LT	16	LEFT TURN ARROW
TOTAL			2,370	

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

LOCATION			NUMBER REQ'D
STA.	STA.	LT./RT.	EACH
I-72			
607+45	797+09	RT	239
607+45	797+09	LT	239
801+27	825+76	LT	63
801+27	825+76	RT	63
RAMP A			
100+00	106+62	RT	35
102+48	106+62	LT	12
106+62	112+05	LT	15
RAMP C			
300+00	306+62	RT	35
302+62	306+62	LT	11
306+62	312+26	LT	16
TOTAL			728

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

LOCATION	FOR INFO THICKNESS	LENGTH FOOT	WIDTH FOOT	SQ YD
	INCHES			
I-72 (WB)				
LT. STA. 607+45 TO LT. STA. 608+00 (SHLD'S)	3.75 TO 1	55	16	97.8
LT. STA. 607+45 TO LT. STA. 608+00 (ML)	6 TO 3.25	55	24	146.7
LT. STA. 719+04.1 TO LT. STA. 723+53.1 (SHLD'S)	1 TO 2 5/8 TO 1.5	449	16	798.2
LT. STA. 720+04 TO LT. STA. 722+40 (ML)	3.25 TO 2.5	236	24	629.3
I-72 (EB)				
RT. STA. 607+45 TO RT. STA. 608+00 (SHLD'S)	3.75 TO 1	55	16	97.8
RT. STA. 607+45 TO RT. STA. 608+00 (ML)	6 TO 3.25	55	24	146.7
RT. STA. 719+04.1 TO RT. STA. 723+53.1 (SHLD'S)	1 TO 2 5/8 TO 1.5	449	16	798.2
RT. STA. 720+04 TO RT. STA. 722+40 (ML)	3.25 TO 2.5	236	24	629.3
FAI 72/FAS 630 (CH 33/DYE RD.) INTERCHANGE				
(RAMP A)				
STA. 106+62.4 TO STA. 107+07.4 (SHLD'S)	1 TO 1.5	45	10	50
(RAMP B)				
STA. 211+48 TO STA. 211+93 (SHLD'S)	1.5 TO 1	45	10	50
(RAMP C)				
STA. 306+62.4 TO STA. 307+07.4 (SHLD'S)	1 TO 1.5	45	10	50
(RAMP D)				
STA. 413+09.5 TO STA. 413+54.5 (SHLD'S)	1.5 TO 1	45	10	50
TOTAL =				3544

TEMPORARY CONCRETE BARRIER

LOCATION	FOOT
STAGE I SN 084-0163(EB)/0164(WB)	
LT. STA. 797+02 TO LT. STA. 803+39	637.5
RT. STA. 794+97 TO RT. STA. 801+34	637.5
	TOTAL = 1,275

RELOCATE TEMPORARY CONCRETE BARRIER

LOCATION	FOOT
STAGE II SN 084-0163(EB)/0164(WB)	
LT. STA. 797+02 TO LT. STA. 803+39	637.5
RT. STA. 794+97 TO RT. STA. 801+34	637.5
	TOTAL = 1,275

BARRIER WALL MARKERS, TYPE C

LOCATION	EACH
STAGE I SN 084-0163(EB)/0164(WB)	
LT. STA. 797+02 TO LT. STA. 803+39	50
RT. STA. 794+97 TO RT. STA. 801+34	50
	TOTAL = 100

FILE NAME = ...\CADD\D672C88-sht-schedule.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:14:45	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	43
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

CLEANING UNDERDRAIN OUTLETS
OUTLET MARKER

USE 500' SPACING

LOCATION	CLEAN EACH	MARKER EACH
I-72		
STA. 607+45 TO STA. 825+76	176	176
I-72/FAS 630 (CH 33/DYE RD.) INTERCHANGE		
(RAMP A)		
STA. 106+62 TO STA. 118+19	6	6
(RAMP B)		
STA. 201+31 TO STA. 212+68	6	6
(RAMP C)		
STA. 306+62 TO STA. 319+68	6	6
(RAMP D)		
STA. 401+16 TO STA. 414+65	6	6
TOTALS =	200	200

MODIFIED URETHANE PAVEMENT MARKING - LINE 8''
GROOVING FOR RECESSED PAVEMENT MARKING 9''

LOCATION			MARKING LENGTH	GROOVING	TYPE
STA.	STA.	LT./RT.	FOOT	FOOT	
RAMP A					
102+56	106+62	LT	812	812	(2 EACH OF SOLID WHITE)
100+00	102+56	LT	51	51	(12' SKIP, 3' DASH WHITE)
RAMP B	217+92	LT	988	988	(2 EACH OF SOLID WHITE)
212+98					
RAMP C	306+62	LT	798	798	(2 EACH OF SOLID WHITE)
302+63	302+63	LT	51	51	(12' SKIP, 3' DASH WHITE)
300+00					
RAMP D	419+21	LT	914	914	(2 EACH OF SOLID WHITE)
414+64					
TOTAL			3,614	3,614	

MODIFIED URETHANE PAVEMENT MARKING - LINE 12''
GROOVING FOR RECESSED PAVEMENT MARKING 13''

LOCATION			MARKING LENGTH	GROOVING	TYPE
STA.	STA.	LT./RT.	FOOT	FOOT	
RAMP A					
102+56	106+62	LT	121	121	(CHEVRON SOLID WHITE)
RAMP C					
302+63	306+62	LT	114	114	(CHEVRON SOLID WHITE)
TOTAL			235	235	

MATERIAL TRANSFER DEVICE

LOCATION	TON
I-72	
BINDER COURSE	28000
SURFACE COURSE	9883
TOTAL =	37,883

MAINTENANCE MOWING

LOCATION	ACRE
I-72	
STA. 607+45 TO STA. 825+76	56
I-72/FAS 630 (CH 33/DYE RD.) INTERCHANGE	
(RAMP A)	
STA. 106+62 TO STA. 119+00	1
(RAMP B)	
STA. 201+00 TO STA. 211+50	1
(RAMP C)	
STA. 307+00 TO STA. 320+00	1
(RAMP D)	
STA. 401+00 TO STA. 413+00	1
	2 TIMES
TOTAL =	120

TYPE C INLET BOX, STANDARD 609001 (SPECIAL)

LOCATION	EACH
TR 546 (KENT FARM RD.)	
LT. STA. 4648+55	1
RT. STA. 4648+55	1
LT. STA. 4651+45	1
RT. STA. 4651+45	1
TOTAL =	4

TYPE E INLET BOX, STANDARD 610001 (SPECIAL)

LOCATION	EACH
I-72	
LT. STA. 798+04 (INSIDE SHLD)	1
RT. STA. 798+04 (INSIDE SHLD)	1
TOTAL =	2

TYPE F INLET BOX, STANDARD 610001 (SPECIAL)

LOCATION	EACH
I-72	
LT. STA. 798+04 (OUTSIDE SHLD)	1
RT. STA. 798+04 (OUTSIDE SHLD)	1
TOTAL =	2

MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYBMOLS

LOCATION		SQ FT
FAS 630 (CH 33/DYE RD.)		
RT. STA. 3353+54	LEFT TURN ARROW	15.6
RT. STA. 3355+06	LEFT TURN ARROW	15.6
LT. STA. 3345+18	LEFT TURN ARROW	15.6
LT. STA. 3346+45	LEFT TURN ARROW	15.6
TOTAL =		63

MODIFIED URETHANE PAVEMENT MARKING - LINE 5''
GROOVING FOR RECESSED PAVEMENT MARKING 6''

LOCATION			MARKING FOOT	GROOVING FOOT	TYPE
STA.	STA.	LT./RT.			
I-72					
607+45	825+76	RT	21831	21831	SOLID YELLOW
607+45	702+03	RT	9458	9458	SOLID WHITE
607+45	825+76	LT	21832	21832	SOLID YELLOW
607+45	699+58	LT	9213	9213	SOLID WHITE
708+66	734+11	RT	2545	2545	SOLID WHITE
710+08	732+42	LT	2234	2234	SOLID WHITE
739+04	825+76	LT	8672	8672	SOLID WHITE
744+61	825+76	RT	8115	8115	SOLID WHITE
797+09	801+27	LT	110	110	WHITE SKIP DASH
797+09	801+28	RT	110	110	WHITE SKIP DASH
I-72/FAS 630 (CH 33/DYE RD.) INTERCHANGE					
(RAMP A)					
100+00	118+19	RT	1819	1819	SOLID WHITE
106+62	118+19	LT	1157	1157	SOLID YELLOW
(RAMP B)					
201+31	212+98	LT	1167	1167	SOLID YELLOW
201+31	223+48	RT	2217	2217	SOLID WHITE
(RAMP C)					
300+00	319+68	RT	1968	1968	SOLID WHITE
306+62	319+68	LT	1306	1306	SOLID YELLOW
(RAMP D)					
401+16	414+64	LT	1348	1348	SOLID YELLOW
401+16	424+14	RT	2398	2398	SOLID WHITE
FAS 630 (CH 33/DYE RD.)					
3341+50	3355+18	RT	1368	1368	WHITE EDGE LINE
3344+82	3355+22		2080	2080	MEDIAN YELLOW EDGE LINE
3344+86	3356+00	LT	1114	1114	WHITE EDGE LINE
3344+86	3346+60	LT	174	174	WHITE EDGE LINE
3353+09	3355+18	RT	209	209	WHITE EDGE LINE
TOTALS			102,445	102,445	

IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

LOCATION	EACH
STAGE I SN 084-0163(EB)/0164(WB)	
LT. STA. 803+47	1
RT. STA. 794+94	1
TOTAL =	2

BOX CULVETS TO BE CLEANED

LOCATION	SIZE	FOOT
I-72		
STA. 777+00	TRIPLE 10.5'X8'	1050
TOTAL =		1,050

IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

LOCATION	EACH
STAGE II SN 084-0163(EB)/0164(WB)	
LT. STA. 803+42	1
RT. STA. 794+92	1
TOTAL =	2

FILE NAME = ...\CADD\D672C88-sht-schedule.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:15:05	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	44
		CONTRACT NO. 72C88		
	ILLINOIS	FED. AID PROJECT		

I-72 CLASS A PATCHES, 8 INCH

LOCATION	LANE	LENGTH (FOOT)	LANE WIDTH (FOOT)	CLASS A PATCH TYPE II (SQ. YD.)	CLASS A PATCH TYPE III (SQ. YD.)	SAWCUT (FOOT)	PATCHING REINFORCEMENT (SQ. YD.)
WBL							
709+00	DL	6	12	8		60	8
777+00	DL	10	12	13.3		68	13.3
779+50	DL	6	12	8		60	8
780+50	DL	6	12	8		60	8
782+00	DL	6	12	8		60	8
803+50	DL	6	12	8		60	8
805+00±	DL	6	12	8		60	8
806+00	DL	18	12		24	84	24
EBL							
538+10±	DL	6	12	8		60	8
555+00	DL	6	12	8		60	8
643+00	DL	10	12	13.3		68	13.3
703+00	DL	6	12	8		60	8
708+00	DL	6	12	8		60	8
708+50	DL	6	12	8		60	8
734+00	DL	16	12		21.3	80	21.3
736+00	DL	6	12	8		60	8
750+00	DL	6	12	8		60	8
750+10	DL	6	12	8		60	8
770+00	DL	6	12	8		60	8
777+00	DL	6	12	8		60	8
778+00	DL	6	12	8		60	8
780+00	DL	6	12	8		60	8
790+00	DL	10	12	13.3		68	13.3
794+00	DL	6	12	8		60	8
795+00	DL	6	12	8		60	8
810+00	DL	6	12	8		60	8
TOTAL =				207.9	45.3	1628	253.2
USE =				250	75	2085	325

PATCHING LOCATIONS SHOWN ARE APPROXIMATE.
THE ACTUAL LOCATION SHALL BE SPECIFIED BY THE RESIDENT ENGINEER.

I-72/FAS 630 (CH 33/DYE RD.) RAMPS CL. B PATCHES 11 INCH

LOCATION	LANE	LENGTH (FOOT)	LANE WIDTH (FOOT)	CLASS B PATCH TYPE II (SQ. YD.)		SAWCUT (FOOT)	DOWEL BARS 1 1/2 INCH (EACH)
RAMP A							
113+50	LT	6	8	5.3		36	14
	RT	6	8	5.3		36	14
RAMP B							
201+10	LT	6	8	5.3		36	14
	RT	6	8	5.3		36	14
213+00	LT	6	8	5.3		36	14
	RT	6	7	4.7		33	12
RAMP C							
313+50	LT	6	8	5.3		36	14
	RT	6	8	5.3		36	14
RAMP D							
402+50	LT	6	8	5.3		36	14
	RT	6	8	5.3		36	14
410+50	LT	6	8	5.3		36	14
	RT	6	8	5.3		36	14
TOTAL =				63		429	166
USE =				75		510	200

PATCHING LOCATIONS SHOWN ARE APPROXIMATE.
THE ACTUAL LOCATION SHALL BE SPECIFIED BY THE RESIDENT ENGINEER.

FILE NAME = ...\CADD\D672C88-sht-schedule.dgn
USER NAME =
PLOT SCALE = 100.0000 ' / in.
PLOT DATE = 04/03/2013 16:32:00

Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED -
DRAWN -
CHECKED -
DATE -

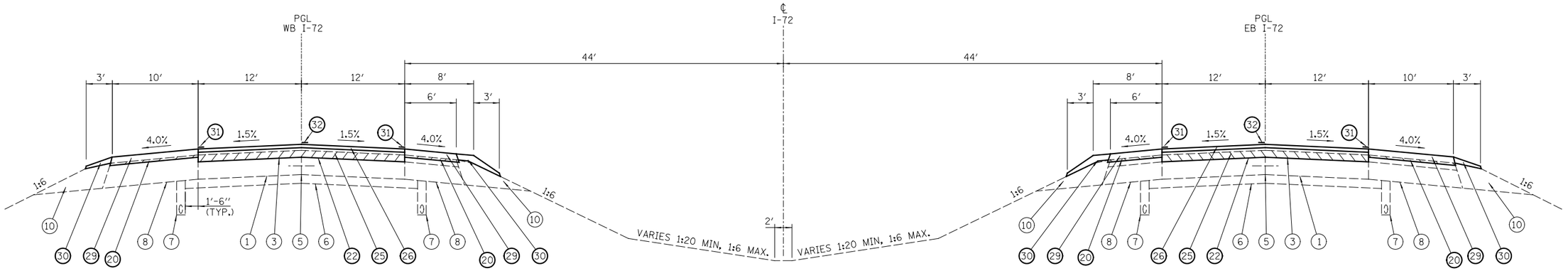
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	45
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



STA. 607+45 TO STA. 825+76.20

STRUCTURE OMISSION

STA. 797+09.00 TO STA. 801+27.00

LEGEND

1. EXISTING CRPCC PAVEMENT 8″
2. EXISTING SRPCC PAVEMENT 8″
3. EXISTING HMA RESURFACING 3 1/4 ″
4. NOT USED
5. EXISTING LONGITUDINAL JOINT
6. EXISTING STABILIZED SUBBASE 4″
7. EXISTING PIPE UNDERDRAIN
8. EXISTING HMA SHOULDER, 11 1/4 ″
9. NOT USED
10. EXISTING AGGREGATE SHOULDER, TYPE A
20. PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1″
21. PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2″
22. PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4″
23. NOT USED
24. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4″)
25. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (4 1/2″)
26. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX ″D″, N90 (1 1/2″)
27. NOT USED
28. PROPOSED HOT-MIX ASPHALT SHOULDERS (2″)
29. PROPOSED HOT-MIX ASPHALT SHOULDERS (3 3/4″) (W/RUMBLE STRIPS STD. 642001)
30. PROPOSED AGGREGATE SHOULDERS, TYPE B
31. PROPOSED MODIFIED URETHANE PAVEMENT MARKING - LINE 5″
32. PROPOSED PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5″

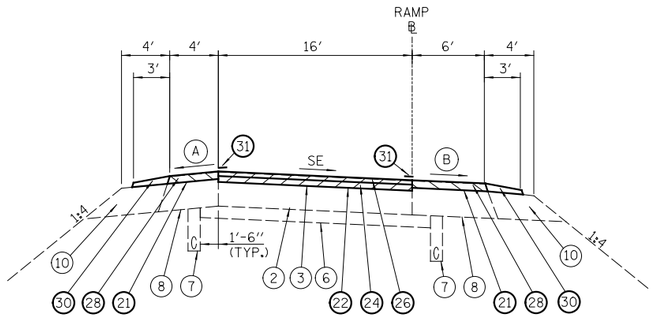
NOTES

1. MILL TO BARE CONCRETE AT INDICATED LOCATIONS.
2. NO PROPOSED RUMBLE STRIPS WILL BE PLACED ON RAMP SHOULDERS AT THE COUNTY HIGHWAY 33 INTERCHANGE.

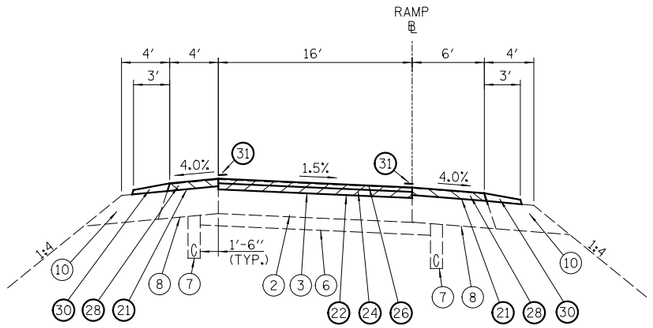
FILE NAME = …\CADD\D672C88-sht-typical.dgn	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS FAI 72 (I-72)			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -					72	(84-10-3)RS-5	SANGAMON	95	46
	PLOT SCALE = 100.0000 ′ / in.	CHECKED -	REVISED -							CONTRACT NO. 72C88		
	PLOT DATE = 04/02/2013 09:17:08	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.			ILLINOIS	FED. AID PROJECT	

(A) WHEN THE SUPERELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 4%, THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SUPERELEVATION RATE OF THE PAVEMENT EXCEEDS 4%, THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND SHOULDER WILL NOT BE GREATER THAN 8%.

(B) SLOPE SHALL BE THE SAME AS THE SUPERELEVATION RATE, BUT NOT LESS THAN 4%.



RAMP A STA. 106+62.40 TO STA. 112+04.60 SE = 8.0% RT
RAMP A STA. 114+44.59 TO STA. 116+86.61 SE = 8.0% LT
RAMP B STA. 202+24.72 TO STA. 204+72.48 SE = 8.0% LT
RAMP B STA. 207+12.48 TO STA. 211+48 SE = 8.0% RT
RAMP C STA. 306+62.40 TO STA. 312+26.66 SE = 8.0% RT
RAMP C STA. 314+66.67 TO STA. 318+47.47 SE = 8.0% LT
RAMP D STA. 402+48.37 TO STA. 406+27.87 SE = 8.0% LT
RAMP D STA. 408+67.87 TO STA. 413+09.5 SE = 8.0% RT



RAMP A STA. 112+04.60 TO STA. 114+44.59
RAMP A STA. 116+86.61 TO STA. 118+08.60
RAMP B STA. 201+40.70 TO STA. 202+24.72
RAMP B STA. 204+72.48 TO STA. 207+12.48
RAMP C STA. 312+26.66 TO STA. 314+66.67
RAMP C STA. 318+47.47 TO STA. 319+57.50
RAMP D STA. 401+26.30 TO STA. 402+48.37
RAMP D STA. 406+27.87 TO STA. 408+67.87

LEGEND

(1) EXISTING CRPCC PAVEMENT 8″
(2) EXISTING SRPCC PAVEMENT 8″
(3) EXISTING HMA RESURFACING 3 1/4 ″
(4) NOT USED
(5) EXISTING LONGITUDINAL JOINT
(6) EXISTING STABILIZED SUBBASE 4″
(7) EXISTING PIPE UNDERDRAIN
(8) EXISTING HMA SHOULDER, 11 1/4 ″
(9) NOT USED
(10) EXISTING AGGREGATE SHOULDER, TYPE A
(20) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1″
(21) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2″
(22) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4″
(23) NOT USED
(24) PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4″)
(25) PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (4 1/2″)
(26) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX ″D″, N90 (1 1/2″)
(27) NOT USED
(28) PROPOSED HOT-MIX ASPHALT SHOULDERS (2″)
(29) PROPOSED HOT-MIX ASPHALT SHOULDERS (3 3/4″) (W/RUMBLE STRIPS STD. 642001)
(30) PROPOSED AGGREGATE SHOULDERS, TYPE B
(31) PROPOSED MODIFIED URETHANE PAVEMENT MARKING - LINE 5″
(32) PROPOSED PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5″

NOTES

1. MILL TO BARE CONCRETE AT INDICATED LOCATIONS.
2. NO PROPOSED RUMBLE STRIPS WILL BE PLACED ON RAMP SHOULDERS AT THE COUNTY HIGHWAY 33 INTERCHANGE.

FILE NAME = ...\CADD\D672C88-sht-typical.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:17:27	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP TYPICAL SECTIONS FAS 630 (C.H. 33/DYE ROAD)
FAI 72 (I-72) INTERCHANGE

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	47
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

HOT-MIX ASPHALT BASE COURSE, 8"
(INCLUDES EARTH EX. NECESSARY
FOR PLACEMENT - SEE SPECIAL PROV.)
STA. 4648+50.5 TO STA. 4648+63
STA. 4651+37 TO STA. 4651+49.5

TYPE C INLET BOX, STANDARD 609001 (SPECIAL)
(SEE SHOULDER INLET DETAIL)
LT. STA. 4648+55
RT. STA. 4648+55
LT. STA. 4651+45
RT. STA. 4651+45

STORM SEWERS, CLASS A, TYPE 1 12"
STA. 4648+55
STA. 4651+45

PIPE DRAINS 12"
RT. STA. 4648+55
RT. STA. 4651+45

METAL END SECTIONS 12"
RT. STA. 4648+55
RT. STA. 4651+45

STONE DUMPED RIPRAP, CLASS A4
RT. STA. 4648+55
RT. STA. 4651+45

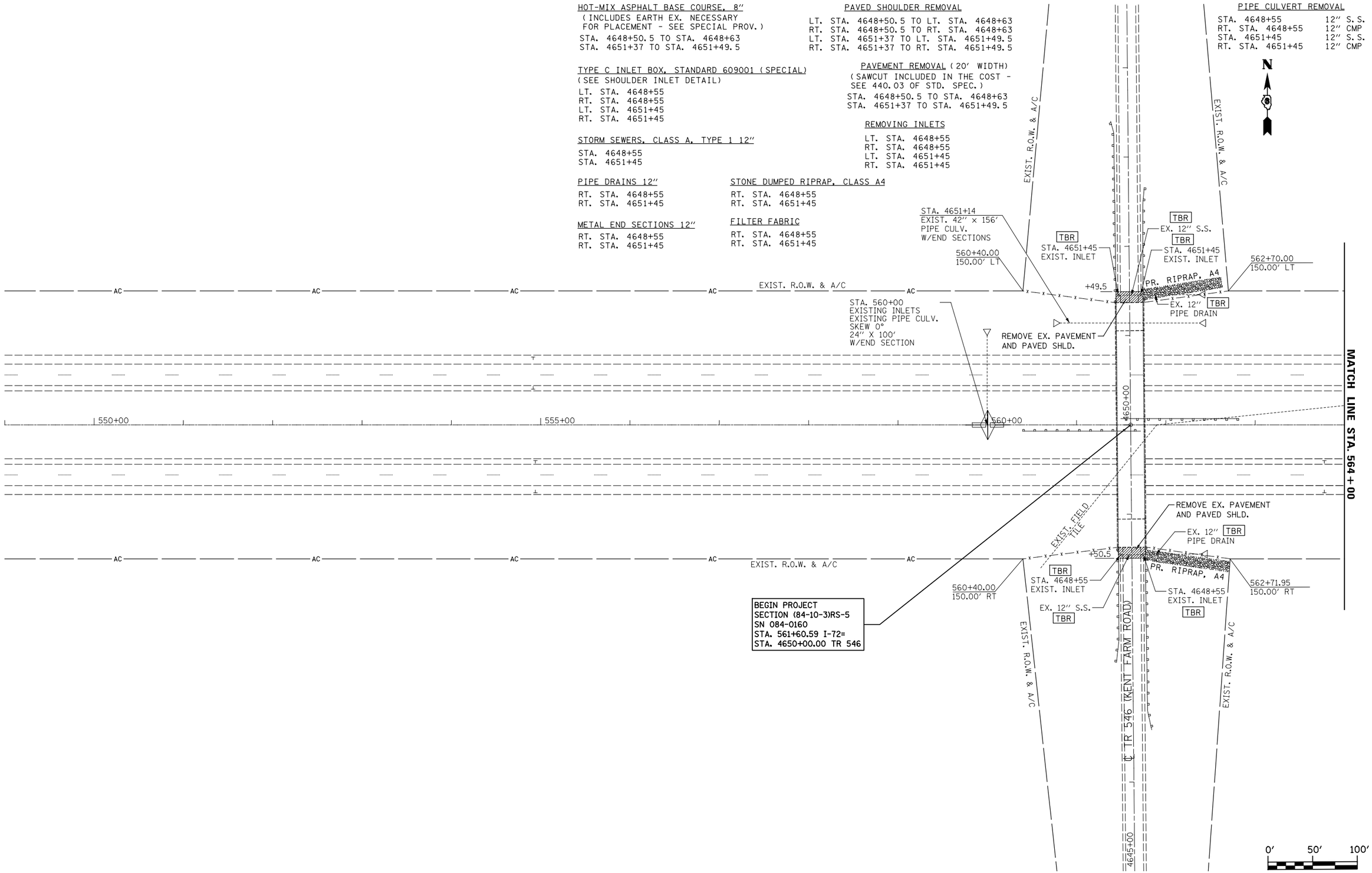
FILTER FABRIC
RT. STA. 4648+55
RT. STA. 4651+45

PAVED SHOULDER REMOVAL
LT. STA. 4648+50.5 TO LT. STA. 4648+63
RT. STA. 4648+50.5 TO RT. STA. 4648+63
LT. STA. 4651+37 TO LT. STA. 4651+49.5
RT. STA. 4651+37 TO RT. STA. 4651+49.5

PAVEMENT REMOVAL (20' WIDTH)
(SAWCUT INCLUDED IN THE COST -
SEE 440.03 OF STD. SPEC.)
STA. 4648+50.5 TO STA. 4648+63
STA. 4651+37 TO STA. 4651+49.5

REMOVING INLETS
LT. STA. 4648+55
RT. STA. 4648+55
LT. STA. 4651+45
RT. STA. 4651+45

PIPE CULVERT REMOVAL
STA. 4648+55 12" S.S.
RT. STA. 4648+55 12" CMP
STA. 4651+45 12" S.S.
RT. STA. 4651+45 12" CMP



PART B - SHEET 20 of 67

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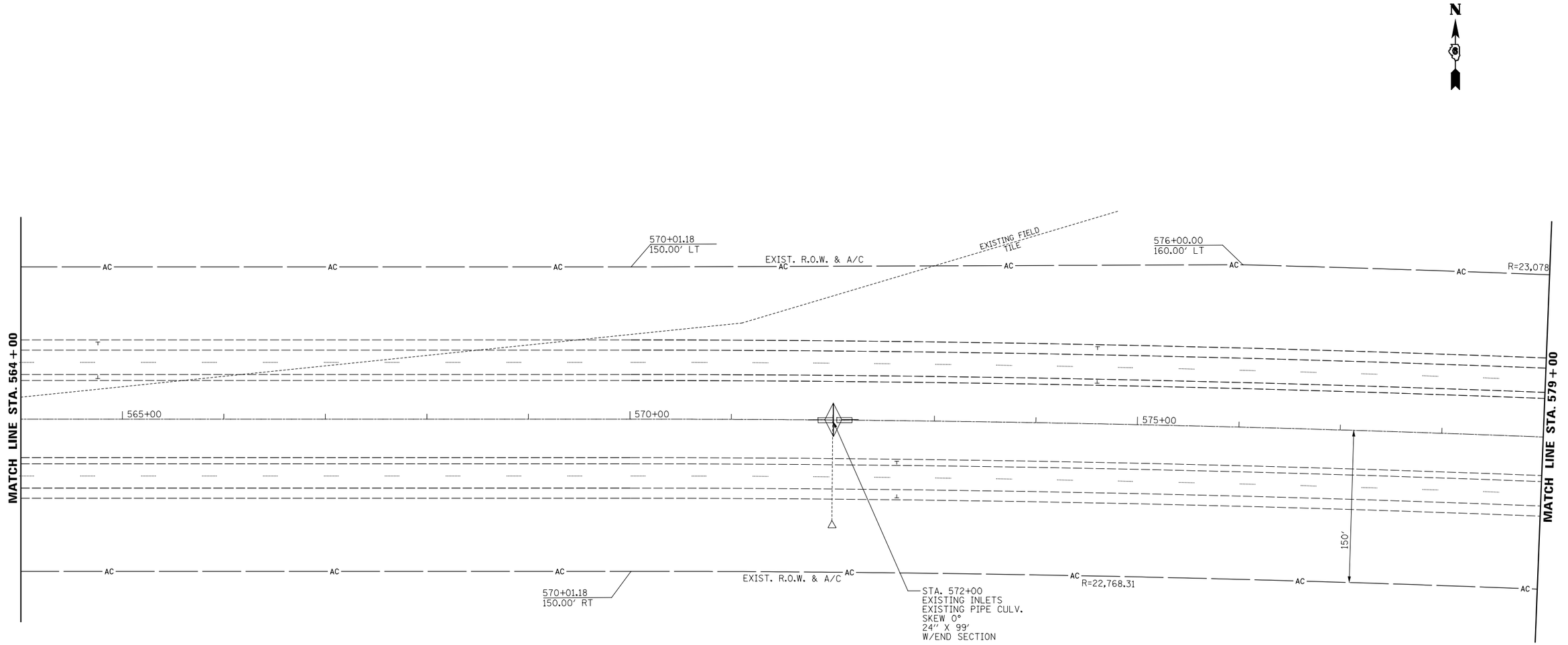
	PLOT DATE = 04/02/2013 09:19:45	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	48
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PART B - SHEET 21 of 67

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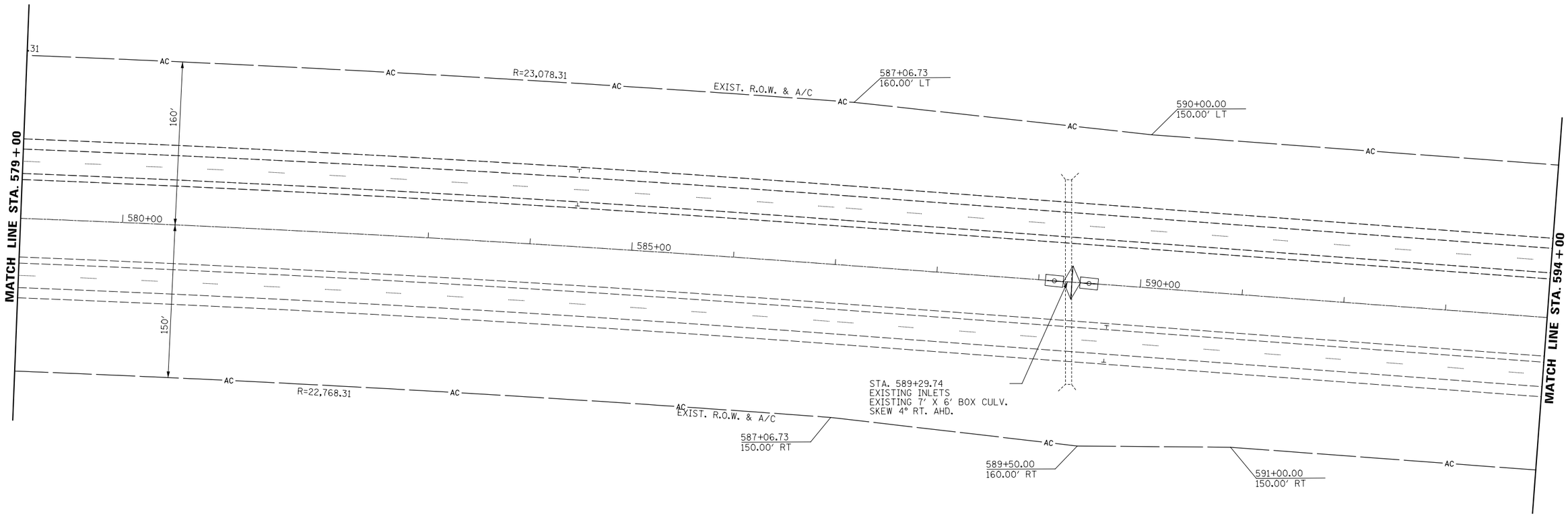
	PLOT DATE = 04/02/2013 09:28:48	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	49
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PART B - SHEET 22 of 67

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Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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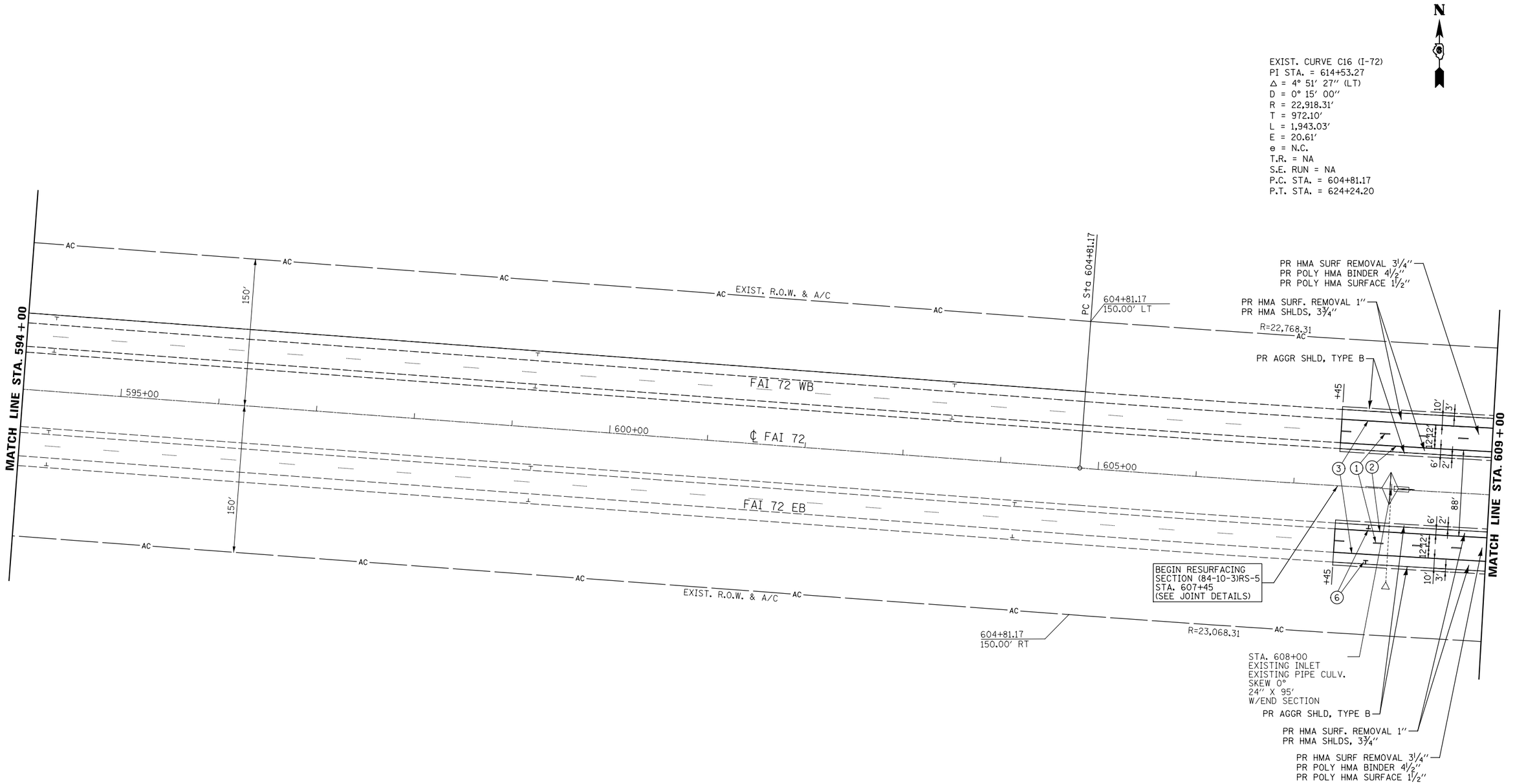
	PLOT DATE = 04/02/2013 09:21:19	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	50
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5″ (30′ SKIP, 10′ DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8″ (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12″ (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

FILE NAME = ...\CADD\D672C88-sht-plan05.dgn	USER NAME =	DESIGNED -	REVISED -
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	PLOT DATE = 04/02/2013 09:21:48	DATE -	REVISED -

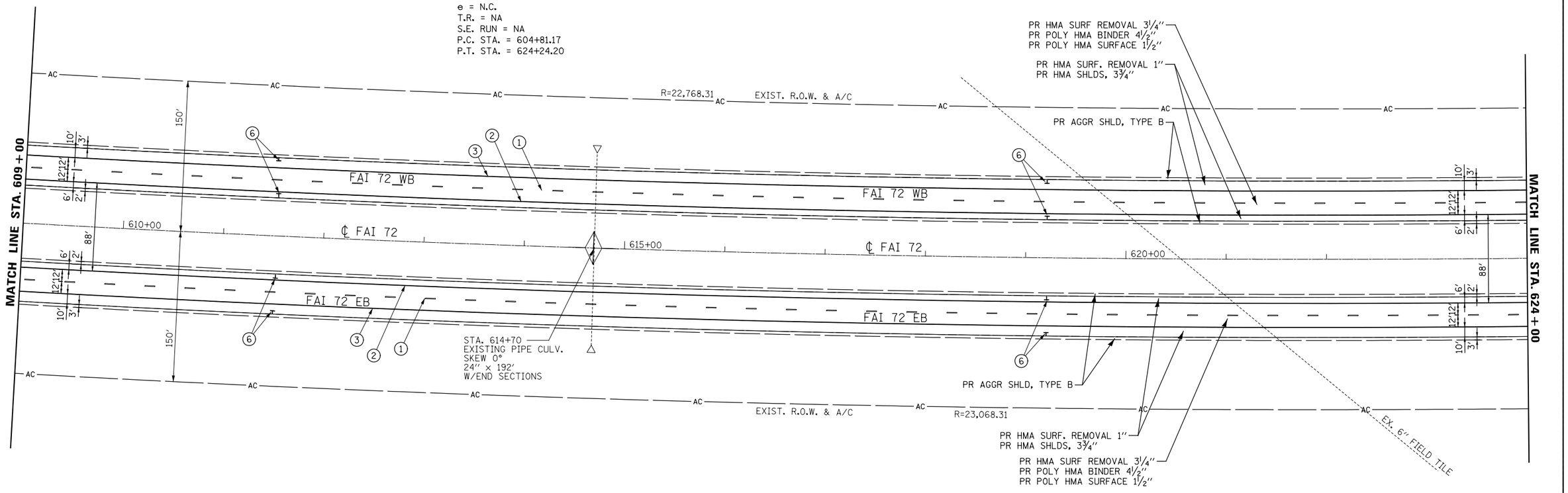
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	51
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

EXIST. CURVE C16 (I-72)
PI STA. = 614+53.27
Δ = 4° 51′ 27″ (LT)
D = 0° 15′ 00″
R = 22,918.31′
T = 972.10′
L = 1,943.03′
E = 20.61′
e = N.C.
T.R. = NA
S.E. RUN = NA
P.C. STA. = 604+81.17
P.T. STA. = 624+24.20



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5″ (30′ SKIP, 10′ DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8″ (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12″ (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

0′ 50′ 100′

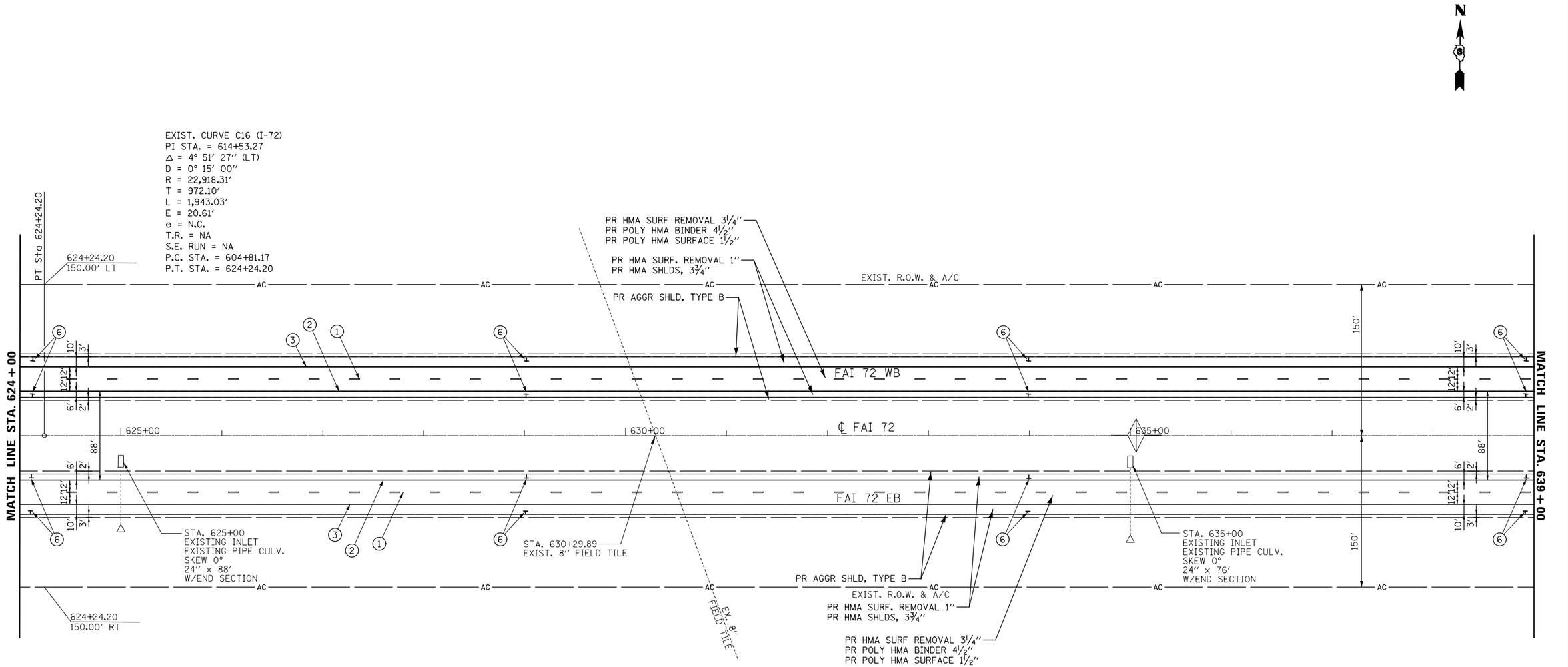
FILE NAME = ...\CADD\D672C88-sht-plan06.dgn	USER NAME =	DESIGNED -	REVISED -
		DRAWN -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 100.0000 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:22:32	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	52
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5″ (30′ SKIP, 10′ DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8″ (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12″ (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

FILE NAME = ...\CADD\D672C88-sht-plan07.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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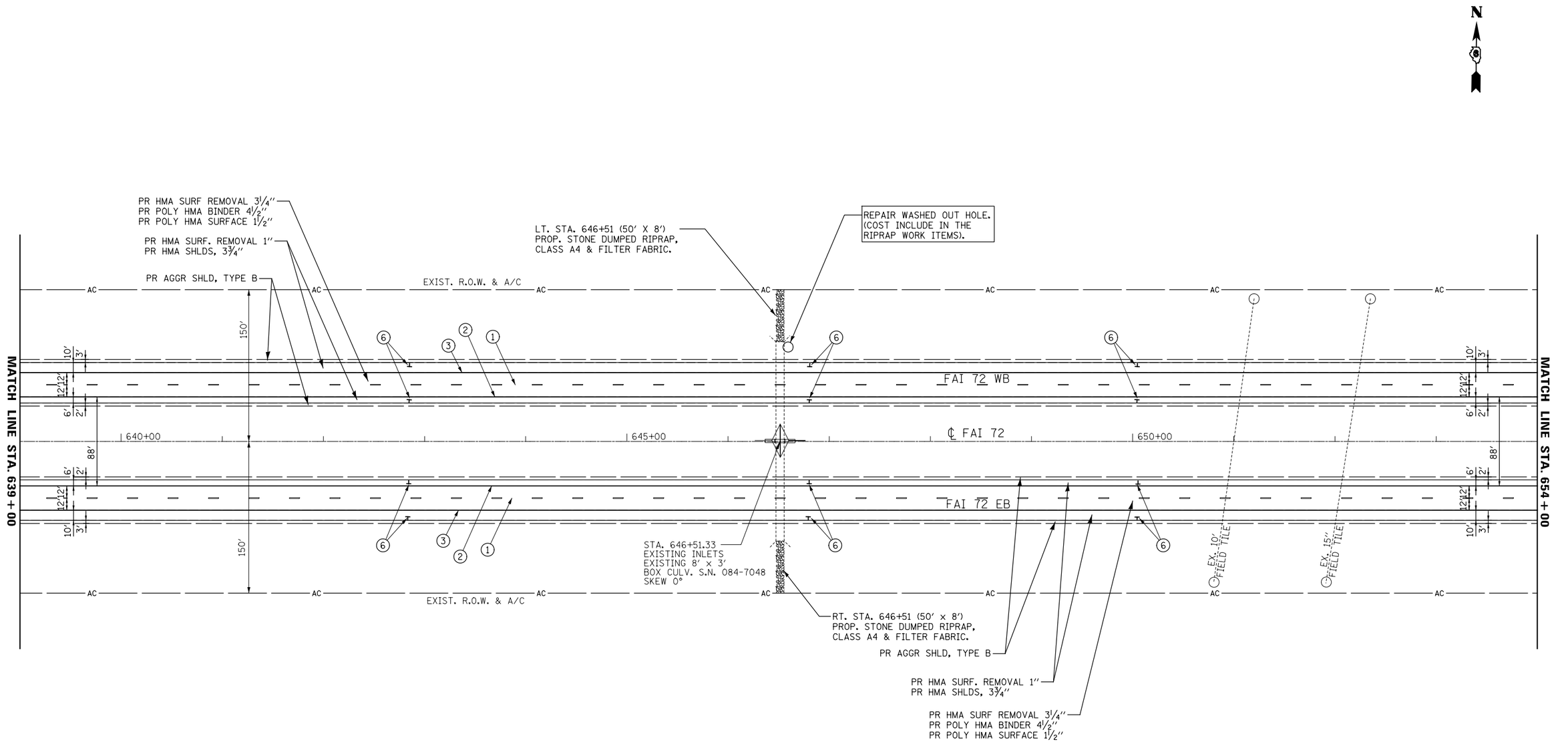
	PLOT DATE = 04/02/2013 09:23:02	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	53
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5" (30' SKIP, 10' DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

0' 50' 100'

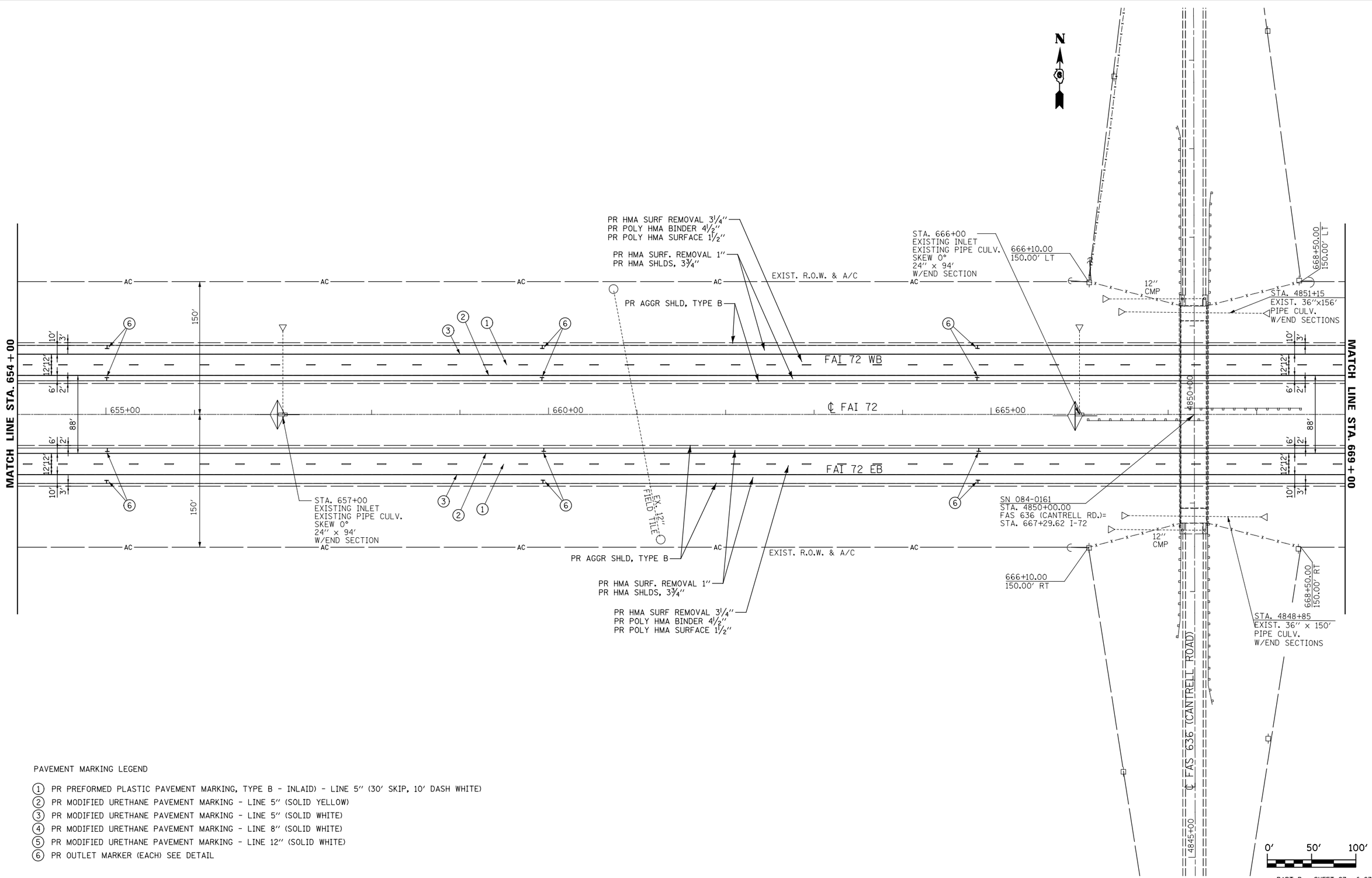
FILE NAME = ...\CADD\D672C88-sht-plan08.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0002 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:23:30	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	54
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5" (30' SKIP, 10' DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

FILE NAME = ...\CADD\D672C88-sht-plan09.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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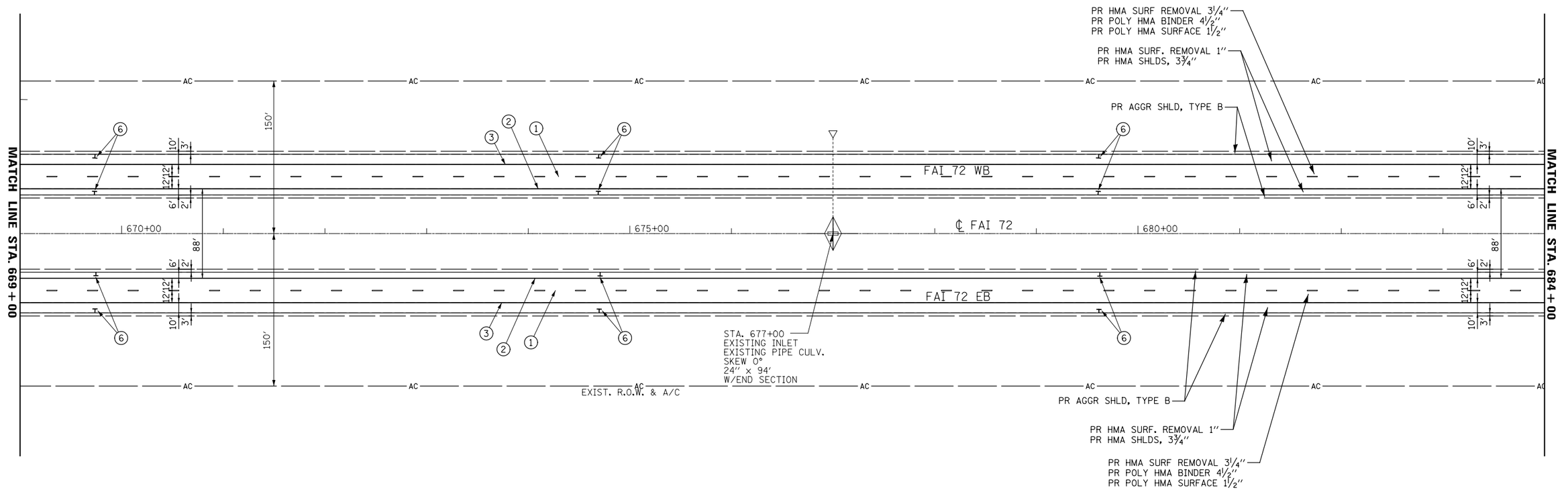
	PLOT DATE = 04/02/2013 09:24:32	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	55
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5'' (30' SKIP, 10' DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5'' (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5'' (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8'' (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12'' (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

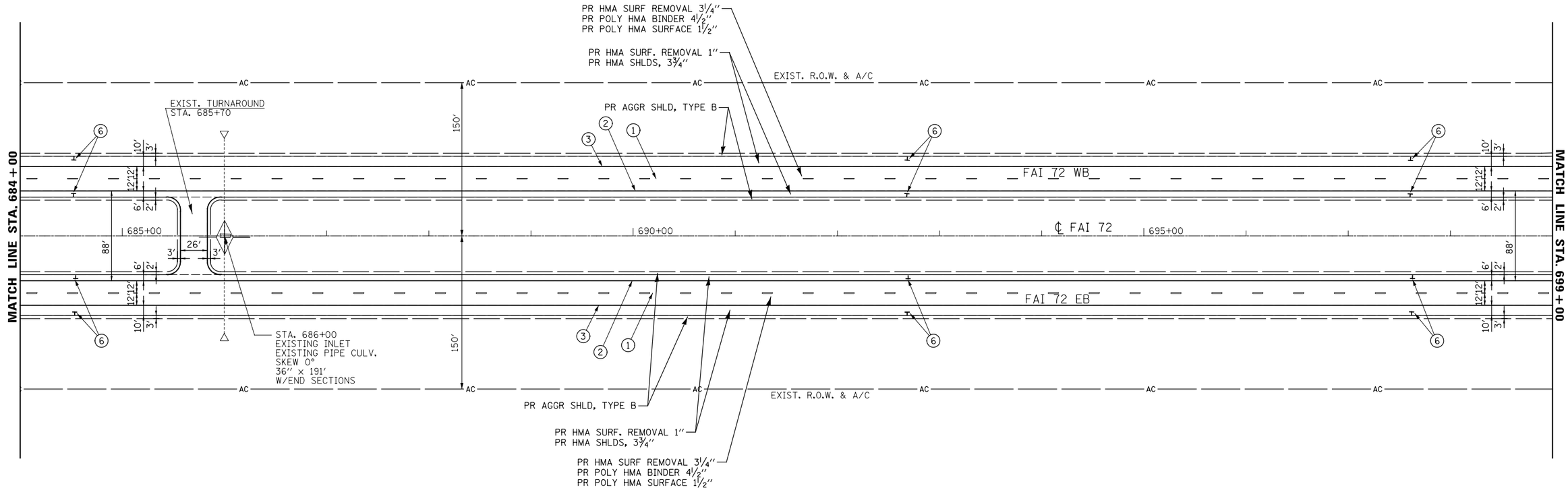
FILE NAME = ...\CADD\D672C88-sht-plan10.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0002 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:25:09	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	56
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5" (30' SKIP, 10' DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

0' 50' 100'

FILE NAME = ...\CADD\D672C88-sht-plan11.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0002 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:25:37	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

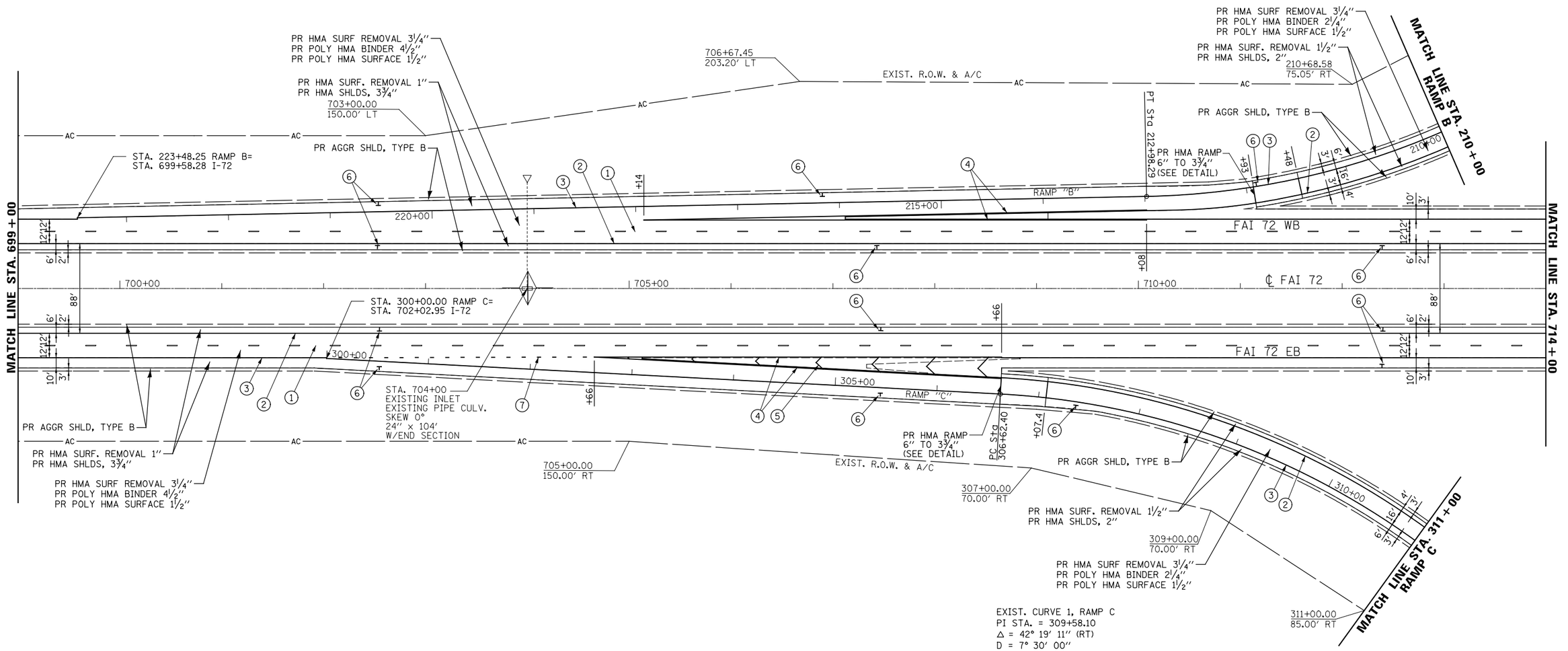
PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	57
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

EXIST. CURVE 2, RAMP B
PI STA. = 210+20.64
Δ = 43° 56′ 11″ (RT)
D = 7° 30′ 00″
R = 763.94′
T = 308.16′
L = 585.82′
E = 59.81′
e = 8.0%
T.R. = 48.00′
S.E. RUN = 256.00′
P.C. STA. = 207+12.48
P.T. STA. = 212+98.29
ATTAIN SE STA. 205+84.27 TO STA. 207+76.47
REMOVE SE IN ENTRANCE TERMINAL

N



PAVEMENT MARKING LEGEND

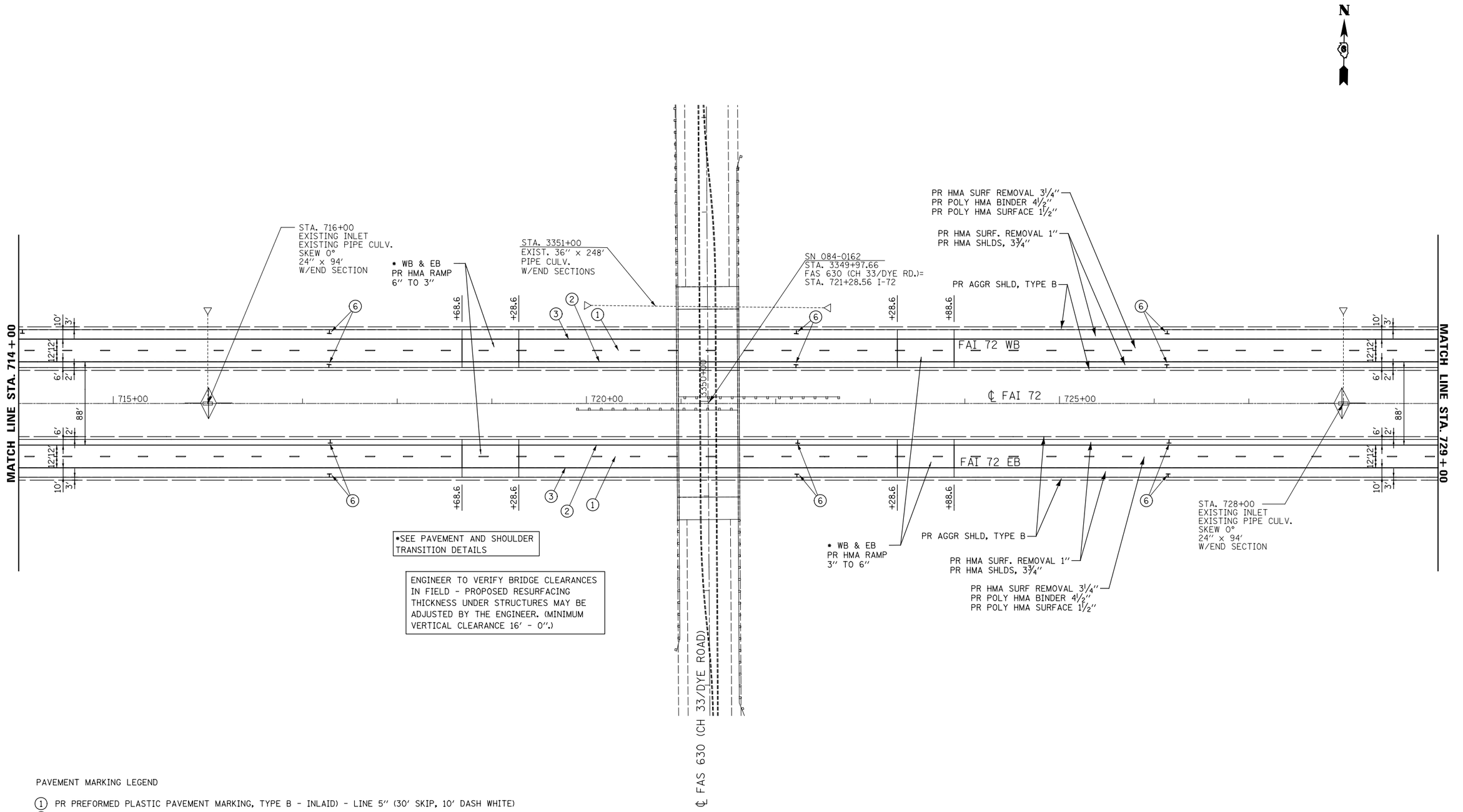
(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5″ (30′ SKIP, 10′ DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8″ (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12″ (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL
(7) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8″ (12′ SKIP, 3′ DASH WHITE)

EXIST. CURVE 1, RAMP C
PI STA. = 309+58.10
Δ = 42° 19′ 11″ (RT)
D = 7° 30′ 00″
R = 763.94′
T = 295.70′
L = 564.26′
E = 55.23′
e = 8.0%
T.R. = 48.00′
S.E. RUN = 256.00′
P.C. STA. = 306+62.40
P.T. STA. = 312+26.66
ATTAIN SE IN EXIT TERMINAL
REMOVE SE STA. 311+62.67 TO STA. 313+54.67

0′ 50′ 100′

PART B - SHEET 30 of 67

FILE NAME = ...\CADD\D672C88-sht-plan12.dgn	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -			72	(84-10-3)RS-5	SANGAMON	95	58
	PLOT SCALE = 100.0002 ′ / in.	CHECKED -	REVISED -					CONTRACT NO. 72C88		
	PLOT DATE = 04/02/2013 09:26:06	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		



•SEE PAVEMENT AND SHOULDER TRANSITION DETAILS

ENGINEER TO VERIFY BRIDGE CLEARANCES IN FIELD - PROPOSED RESURFACING THICKNESS UNDER STRUCTURES MAY BE ADJUSTED BY THE ENGINEER. (MINIMUM VERTICAL CLEARANCE 16′ - 0″.)

PAVEMENT MARKING LEGEND

1. PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5″ (30′ SKIP, 10′ DASH WHITE)
2. PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID YELLOW)
3. PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID WHITE)
4. PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8″ (SOLID WHITE)
5. PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12″ (SOLID WHITE)
6. PR OUTLET MARKER (EACH) SEE DETAIL

0′ 50′ 100′

PART B - SHEET 31 of 67

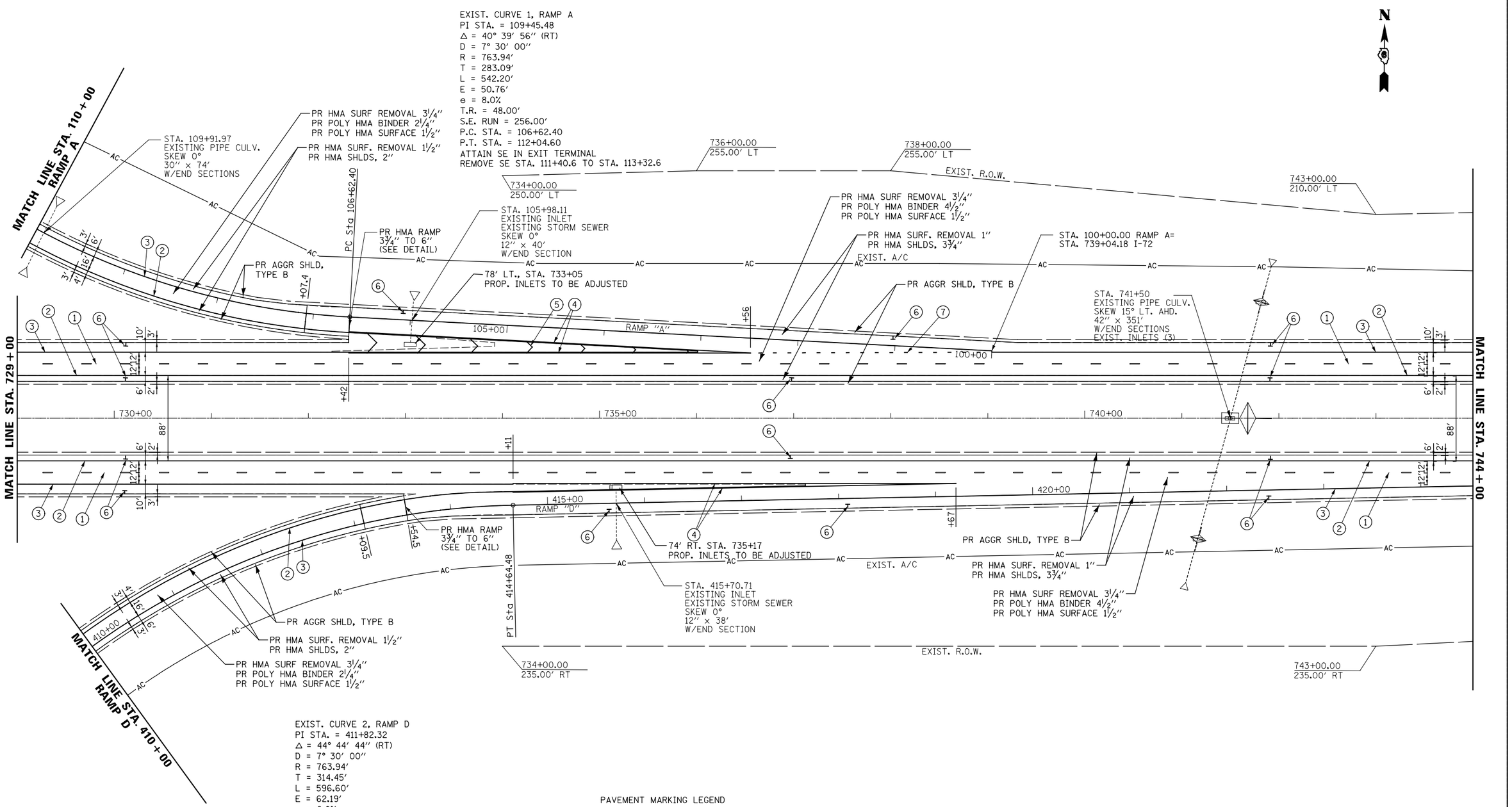
FILE NAME = ...\CADD\D672C88-sht-plan13.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0002 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:26:37	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	59
		CONTRACT NO. 72C88		
		ILLINOIS FED. AID PROJECT		



EXIST. CURVE 2, RAMP D
PI STA. = 411+82.32
Δ = 44° 44′ 44″ (RT)
D = 7° 30′ 00″
R = 763.94′
T = 314.45′
L = 596.60′
E = 62.19′
e = 8.0%
T.R. = 48.00′
S.E. RUN = 256.00′
P.C. STA. = 408+67.87
P.T. STA. = 414+64.48
ATTAIN SE STA. 407+39.87 TO STA. 409+31.87
REMOVE SE IN ENTRANCE TERMINAL

PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5″ (30′ SKIP, 10′ DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8″ (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12″ (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL
(7) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8″ (12′ SKIP, 3′ DASH WHITE)

0′ 50′ 100′

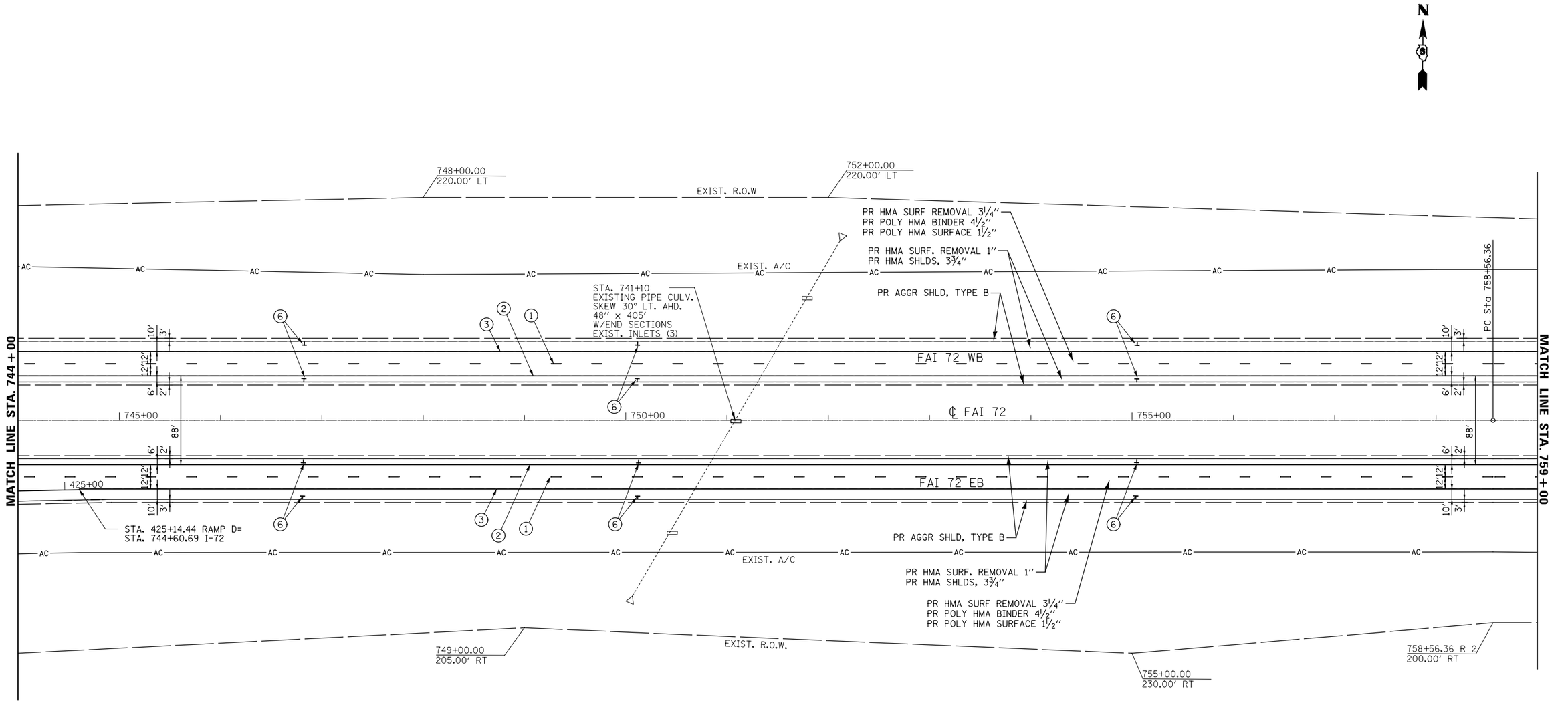
FILE NAME = ...\CADD\D672C88-sht-plan14.dgn	USER NAME =	DESIGNED -	REVISED -
		DRAWN -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 100.0002 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:27:14	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	60
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5" (30' SKIP, 10' DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

0' 50' 100'

PART B - SHEET 33 of 67

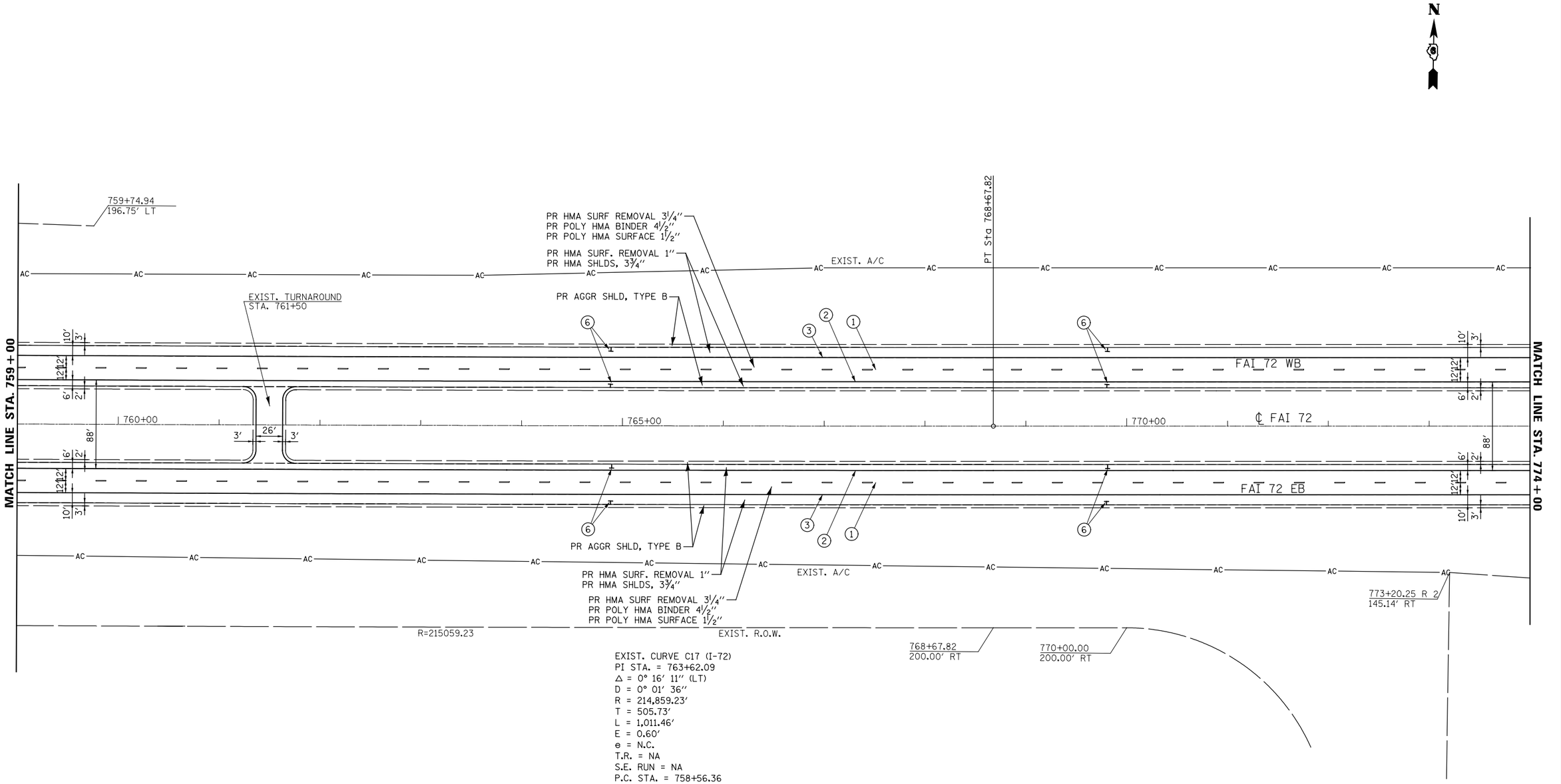
FILE NAME = ...\CADD\D672C88-sht-plan15.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:28:15	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	61
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



EXIST. CURVE C17 (I-72)
PI STA. = 763+62.09
Δ = 0° 16′ 11″ (LT)
D = 0° 01′ 36″
R = 214,859.23′
T = 505.73′
L = 1,011.46′
E = 0.60′
e = N.C.
T.R. = NA
S.E. RUN = NA
P.C. STA. = 758+56.36
P.T. STA. = 768+67.82

PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5″ (30′ SKIP, 10′ DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8″ (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12″ (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

0′ 50′ 100′

PART B - SHEET 34 of 67

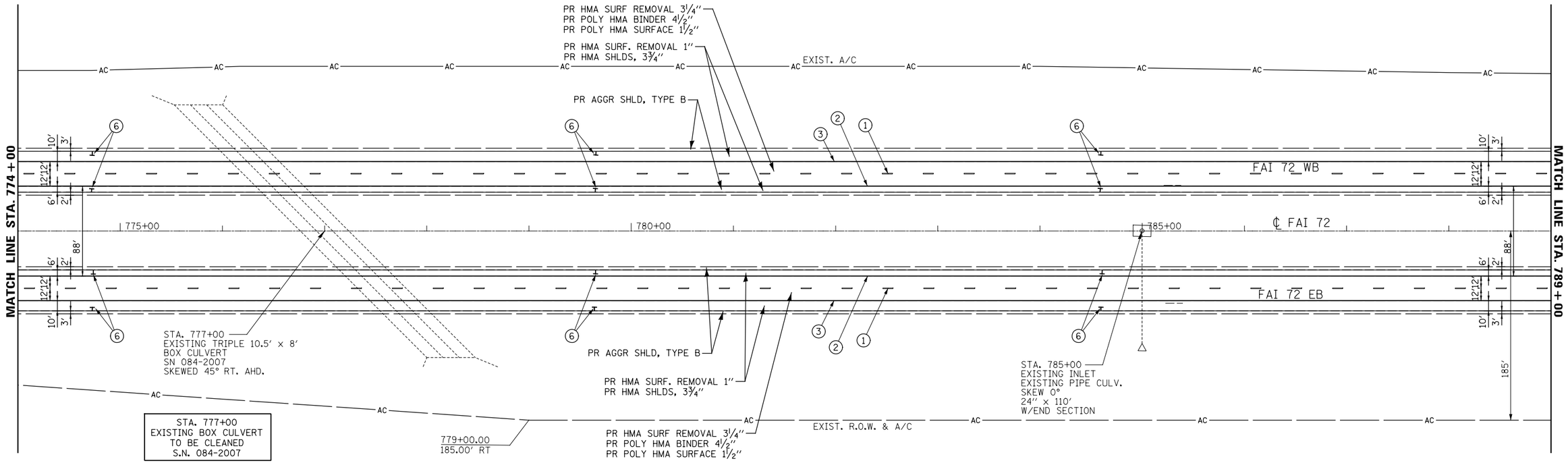
FILE NAME = ...\CADD\D672C88-sht-plan16.dgn	USER NAME =	DESIGNED -	REVISED -
		DRAWN -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 100.0002 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:28:50	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	62
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5" (30' SKIP, 10' DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

0' 50' 100'

PART B - SHEET 35 of 67

FILE NAME = ...\CADD\D672C88-sht-plan17.dgn	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -					72	(84-10-3)RS-5	SANGAMON	95	63
	PLOT SCALE = 100.0002 ' / in.	CHECKED -	REVISED -							CONTRACT NO. 72C88		
	PLOT DATE = 04/02/2013 09:29:20	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.		ILLINOIS FED. AID PROJECT			

STORM SEWERS, CLASS A, TYPE 1 12"

LT. STA. 798+04 (WB)
RT. STA. 798+04 (EB)

PIPE DRAINS 12"

LT. STA. 798+04 (OUTSIDE WB)
RT. STA. 798+04 (OUTSIDE EB)

METAL END SECTIONS 12"

LT. STA. 798+04 (OUTSIDE WB)
RT. STA. 798+04 (OUTSIDE EB)

STONE DUMPED RIPRAP, CLASS A4

LT. STA. 798+04
RT. STA. 798+04

FILTER FABRIC

LT. STA. 798+04
RT. STA. 798+04

BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)
(WIDTH 24' PAVEMENT + 10' OUTSIDE +6' INSIDE SHOULDER = 40')

LT. STA. 797+09 TO LT. STA. 798+09
RT. STA. 797+09 TO RT. STA. 798+09
LT. STA. 800+27 TO LT. STA. 801+27
RT. STA. 800+27 TO RT. STA. 801+27

TYPE E INLET BOX, STANDARD 610001 (SPECIAL)
(SEE DETAILS)

LT. STA. 798+04 INSIDE SHLD.
RT. STA. 798+04 INSIDE SHLD.

TYPE F INLET BOX, STANDARD 610001 (SPECIAL)
(SEE DETAILS)

LT. STA. 798+04 OUTSIDE SHLD.
RT. STA. 798+04 OUTSIDE SHLD.

PAVEMENT REMOVAL (24' WIDTH)
(SAWCUT, & APPROACH SLAB INCLUDED IN THE COST)

LT. STA. 797+09 TO LT. STA. 798+39
RT. STA. 797+09 TO RT. STA. 798+39
LT. STA. 799+97 TO LT. STA. 801+27
RT. STA. 799+97 TO RT. STA. 801+27

REMOVING INLETS

LT. STA. 798+28 INSIDE SHLD.
LT. STA. 798+28 OUTSIDE SHLD.
RT. STA. 798+28 INSIDE SHLD.
RT. STA. 798+28 OUTSIDE SHLD.

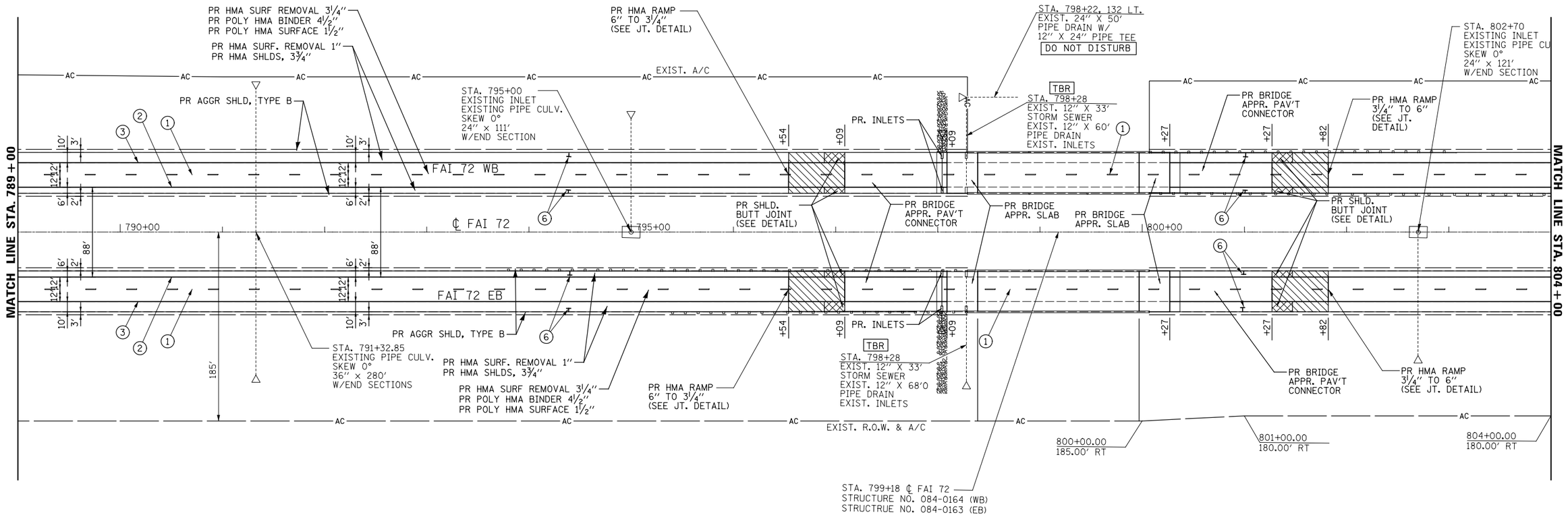
PIPE CULVERT REMOVAL

LT. STA. 798+28 12" S.S.
LT. STA. 798+28 12" CMP
RT. STA. 798+28 12" S.S.
RT. STA. 798+28 12" CMP

PAVED SHOULDER REMOVAL
(10' OUTSIDE - 6' INSIDE)
(SAWCUT, & APPROACH SLAB INCLUDED IN THE COST)

LT. STA. 797+09 TO LT. STA. 798+39
RT. STA. 797+09 TO RT. STA. 798+39
LT. STA. 799+97 TO LT. STA. 801+27
RT. STA. 799+97 TO RT. STA. 801+27

N



BRIDGE RESURFACING OMISSION
STA. 797+09 TO STA. 801+27 WB & EB

PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5" (30' SKIP, 10' DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

NOTE: USE MODIFIED URETHANE PAVEMENT MARKING - LINE 5"
(30' SKIP, 10' DASH WHITE) STA. 797+09 TO STA. 801+27 LT/RT

0' 50' 100'

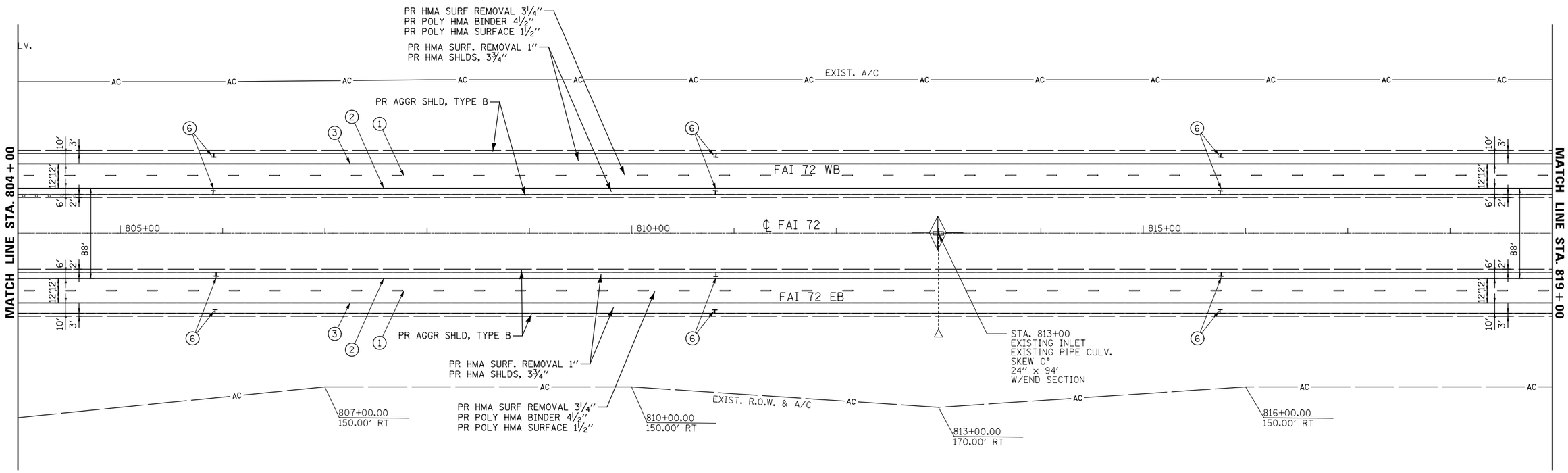
FILE NAME = ...\CADD\D672C88-sht-plan18.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0002 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:29:52	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	64
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5" (30' SKIP, 10' DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

0' 50' 100'

PART B - SHEET 37 of 67

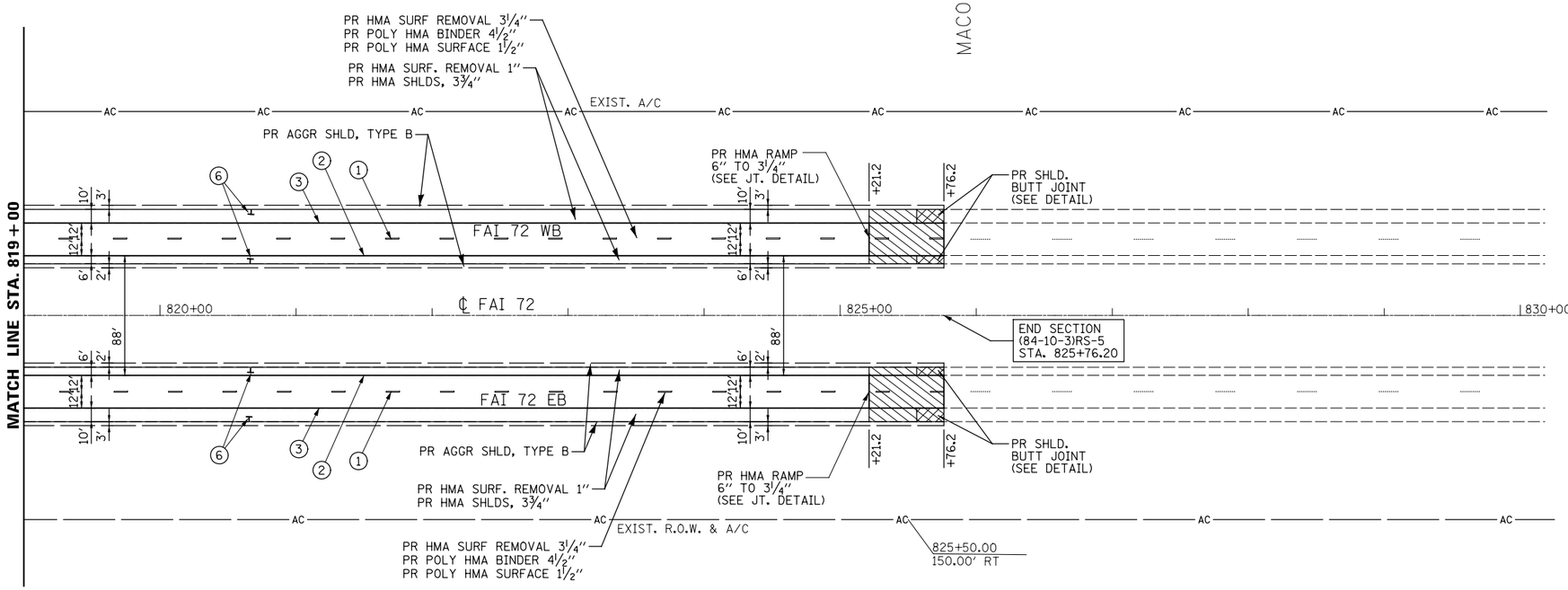
FILE NAME = ...\CADD\D672C88-sht-plan19.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:30:19	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	65
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5" (30' SKIP, 10' DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

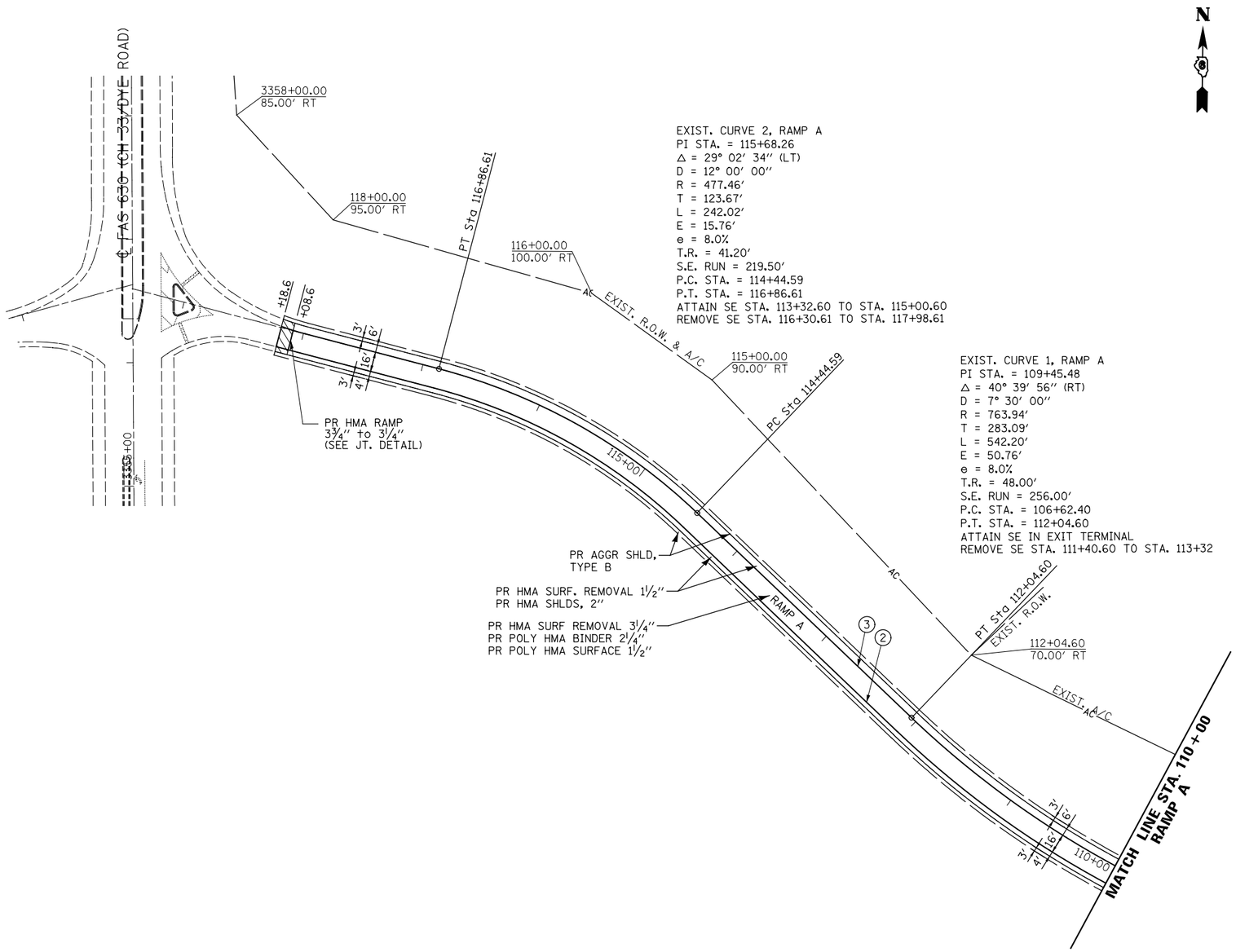
FILE NAME = ...\CADD\D672C88-sht-plan28.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0002 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:38:47	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	66
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5" (30' SKIP, 10' DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

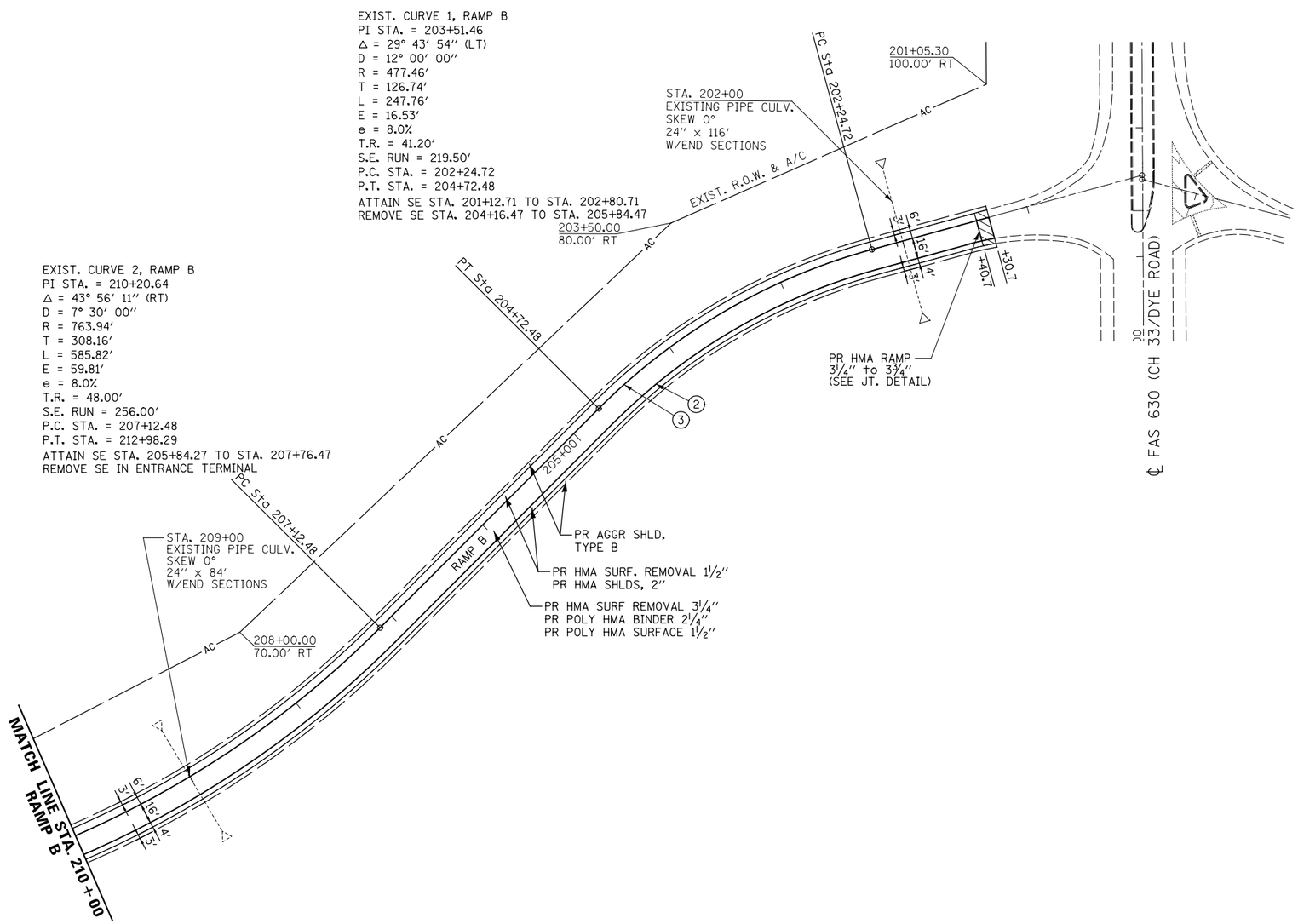
FILE NAME = ...\CADD\D672C88-sht-plan21.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:31:24	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET RAMP "A"

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	67
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

1. PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5″ (30′ SKIP, 10′ DASH WHITE)
2. PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID YELLOW)
3. PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID WHITE)
4. PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8″ (SOLID WHITE)
5. PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12″ (SOLID WHITE)
6. PR OUTLET MARKER (EACH) SEE DETAIL

0′ 50′ 100′

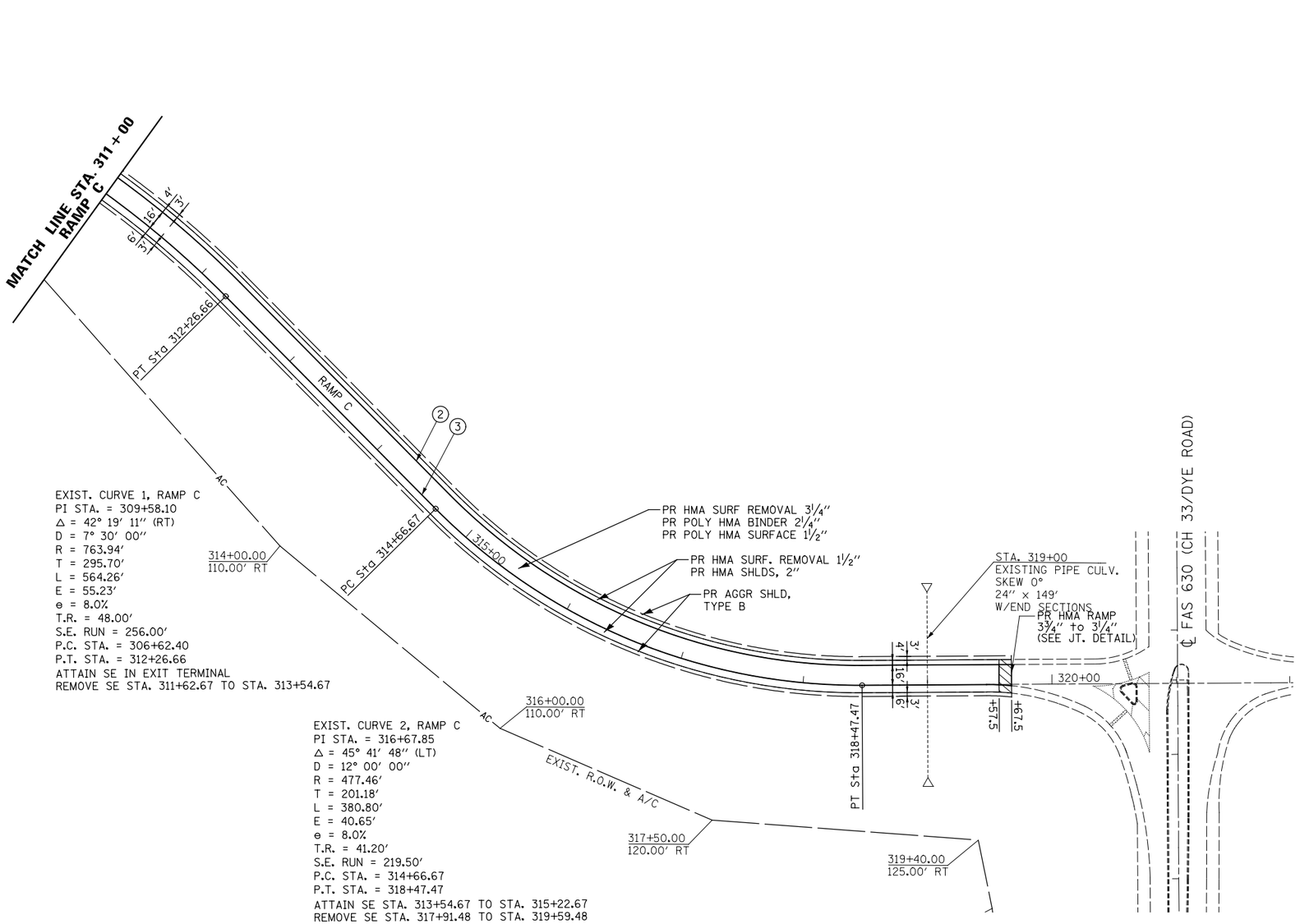
FILE NAME = ...\CADD\D672C88-sht-plan22.dgn	USER NAME =	DESIGNED -	REVISED -
		DRAWN -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 100.0000 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:31:52	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET RAMP "B"

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	68
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5″ (30′ SKIP, 10′ DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8″ (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12″ (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

FILE NAME = ...\CADD\D672C88-sht-plan23.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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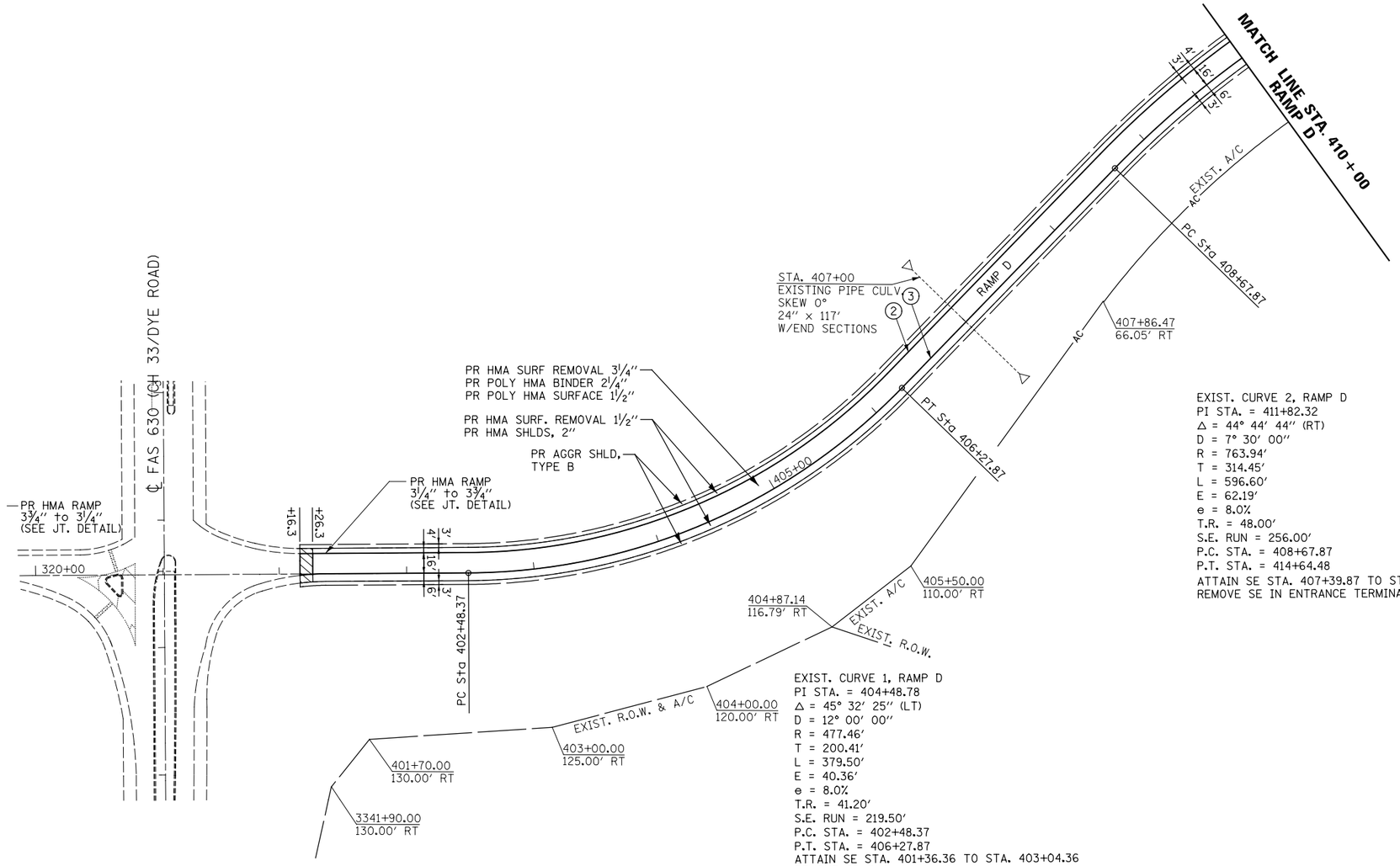
	PLOT DATE = 04/02/2013 09:32:19	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET RAMP "C"

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	69
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



EXIST. CURVE 2, RAMP D
PI STA. = 411+82.32
Δ = 44° 44′ 44″ (RT)
D = 7° 30′ 00″
R = 763.94′
T = 314.45′
L = 596.60′
E = 62.19′
e = 8.0%
T.R. = 48.00′
S.E. RUN = 256.00′
P.C. STA. = 408+67.87
P.T. STA. = 414+64.48
ATTAIN SE STA. 407+39.87 TO STA. 409+31.87
REMOVE SE IN ENTRANCE TERMINAL

EXIST. CURVE 1, RAMP D
PI STA. = 404+48.78
Δ = 45° 32′ 25″ (LT)
D = 12° 00′ 00″
R = 477.46′
T = 200.41′
L = 379.50′
E = 40.36′
e = 8.0%
T.R. = 41.20′
S.E. RUN = 219.50′
P.C. STA. = 402+48.37
P.T. STA. = 406+27.87
ATTAIN SE STA. 401+36.36 TO STA. 403+04.36
REMOVE SE STA. 405+71.87 TO STA. 407+39.87

PAVEMENT MARKING LEGEND

(1) PR PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID) - LINE 5″ (30′ SKIP, 10′ DASH WHITE)
(2) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID YELLOW)
(3) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 5″ (SOLID WHITE)
(4) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 8″ (SOLID WHITE)
(5) PR MODIFIED URETHANE PAVEMENT MARKING - LINE 12″ (SOLID WHITE)
(6) PR OUTLET MARKER (EACH) SEE DETAIL

0′ 50′ 100′

FILE NAME = ...\CADD\D672C88-sht-plan24.dgn	USER NAME =	DESIGNED -	REVISED -
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	PLOT DATE = 04/02/2013 09:32:59	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET RAMP "D"

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	70
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

NOTE: EXISTING SHOULDERS BETWEEN THE RAMPS WAS REPLACED WITH 10"+ OF HMA IN 2000. CONSIDERED ADEQUATE FOR STAGING TRAFFIC.

ROAD CONSTRUCTION AHEAD
W-20-1(O) 4848
PLACE 500' FROM INTERSECTION WITH CH 33

RAMP C

EXISTING KEEP RIGHT SIGN TO BE REMOVED DURING STAGING AND REPLACED UPON COMPLETION OF STAGING OPERATIONS.

ROAD CLOSED
R11-2 4830
W1-6 (O) 4824

DO NOT ENTER
R5-1 3030

W1-4R(O) 3030
30 M.P.H.
W13-1(O) 1818

PROPOSED CURVE WARNING SIGN, W1-3R(O) WITH ADVISORY SIGN W13-1(O) POSTED 30 MPH

PC Sta 3337+65.63

STA. 321+00.99 RAMP C=
STA. 3343+57.04 FAS 630
(CH 33/DYE RD.)

PT Sta 3341+50.00

320+00

PLACE DRUMS @ 25' CENTERS

PROPOSED 3-TYPE III BARRICADES, WITH 1 - "ROAD CLOSED" SIGN, R11-2, 1 - W1-6 (O) SIGN, AND TWO WARNING FLASHING LIGHTS ATTACHED TO EACH BARRICADE.

+50

3345+00

3340+00

12'
12'

ROAD CONSTRUCTION AHEAD
W-20-1(O) 4848
PLACE ON CH 33
1000' FROM
W6-3(O) SIGN

FRONTAGE RD.

DRUMS @ 25' CTS ON TAPER

W6-3(O) 3030
30 M.P.H.
W13-1(O) 1818

PROPOSED PAVEMENT MARKING TAPE (YELLOW) AS DIRECTED BY THE ENGINEER.

KEEP RIGHT
R4-7a 2430

(5) VERTICAL BARRICADES @ 25' CTS.

VERTICAL BARRICADES @ 50' CTS.

PROPOSED TEMPORARY PAVEMENT MARKING TAPE AS DIRECTED BY THE ENGINEER. (DOUBLE YELLOW)

PROPOSED PAVEMENT MARKING TAPE (YELLOW - DOTTED)

PROPOSED 1-TYPE III BARRICADE, 10' WITH 1-ARROW SIGN, W1-6 (O), ATTACHED.

W1-6 (O) 4824

STA. 400+00.00 RAMP D=
STA. 3343+57.04 FAS 630
(CH 33/DYE RD.)

KEEP RIGHT
R4-7a 2430

PROPOSED 1-TYPE III BARRICADE, 10' WITH 1-"KEEP RIGHT" SIGN, R4-7a ATTACHED.

SN 084-0162
STA. 3349+97.66 FAS 630
(CH 33/DYE RD.)=
STA. 721+28.56 I-72

720+00

℄ FAI 72

- WORK AREA
- SIGN
- BARRICADES
- BARRICADE OR DRUM WITH FLASHING LIGHT
- VERTICAL BARRICADES
- DIRECTION OF TRAFFIC

ROAD CONSTRUCTION AHEAD
W-20-1(O) 4848
PLACE 500' FROM INTERSECTION WITH CH 33

SN 084-0162
STA. 3349+97.66 FAS 630
(CH 33/DYE RD.)=
STA. 721+28.56 I-72

720+00

ROAD CLOSED
R11-2 4830
W1-6 (O) 4824

PROPOSED 2-TYPE III BARRICADES, WITH 1 - "ROAD CLOSED" SIGN, R11-2, 1 - W1-6 (O) SIGN, AND TWO WARNING FLASHING LIGHTS ATTACHED TO EACH BARRICADE.

EXISTING KEEP RIGHT SIGN TO BE REMOVED DURING STAGING AND REPLACED UPON COMPLETION OF STAGING OPERATIONS.

W6-3(O) 3030

PLACE DRUMS @ 25' CENTERS

RAMP B

STA. 200+00.00 RAMP B=
STA. 3356+63.28 FAS 630
(CH 33/DYE RD.)

W6-3(O) 3030
30 M.P.H.
W13-1(O) 1818

W1-4L(O) 3030
30 M.P.H.
W13-1(O) 1818

PROPOSED CURVE WARNING SIGN, W1-3L(O) 30" X 30" WITH ADVISORY SIGN W13-1(O) POSTED 30 MPH

ROAD CONSTRUCTION AHEAD
W-20-1(O) 4848
PLACE ON CH 33
1000' FROM
RAMP A & B
INTERSECTION

PC Sta 3363+49.61

3350+00

3355+00

3360+00

SOD

CONC.

12'
4'
12'

VERTICAL BARRICADES @ 50' CTS.

(5) VERTICAL BARRICADES @ 25' CTS.

KEEP RIGHT
R4-7a 2430

PROPOSED TEMPORARY PAVEMENT MARKING TAPE AS DIRECTED BY THE ENGINEER. (DOUBLE YELLOW)

PROPOSED TEMPORARY PAVEMENT MARKING TAPE (WHITE)

PROPOSED TEMPORARY PAVEMENT MARKING TAPE (YELLOW)

PROPOSED PAVEMENT MARKING TAPE (YELLOW - DOTTED)

STA. 119+43.41 RAMP A=
STA. 3356+59.94 FAS 630
(CH 33/DYE RD.)

RAMP A

ROAD CONSTRUCTION AHEAD
W-20-1(O) 4848
PLACE 500' FROM INTERSECTION WITH CH 33

FRONTAGE RD.

ROAD CONSTRUCTION AHEAD
W-20-1(O) 4848
PLACE 500' FROM INTERSECTION WITH CH 33

℄ FAI 72

NOTE:

1. FOUR (4) MAX. WIDTH SIGNS (SEE WIDTH RESTRICTION SIGNING DETAILS) DISPLAYING THE MAXIMUM TRAVEL-LANE WIDTH OF THE OPEN LANE SHALL BE PLACED. ONE ON EACH OF THE I-72 EXIT RAMPS AND ONE ON EACH OF THE APPROACHES ON CH 33.

2. ALL ADVANCED WARNING SIGNS SHALL BE POST-MOUNTED AND EQUIPPED WITH A FLASHING AMBER LIGHT.

3. UPON COMPLETION OF THIS SECTION ALL TRAFFIC CONTROL ERECTED BY THE CONTRACTOR SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.

4. THE COST OF FURNISHING, ERECTING, MAINTAINING AND REMOVING ALL TRAFFIC CONTROL ITEMS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".

5. ALL ORANGE CONSTRUCTION SIGNS SHALL BE OF FLUORESCENT ORANGE SHEETING.

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		DRAWN -	REVISED -
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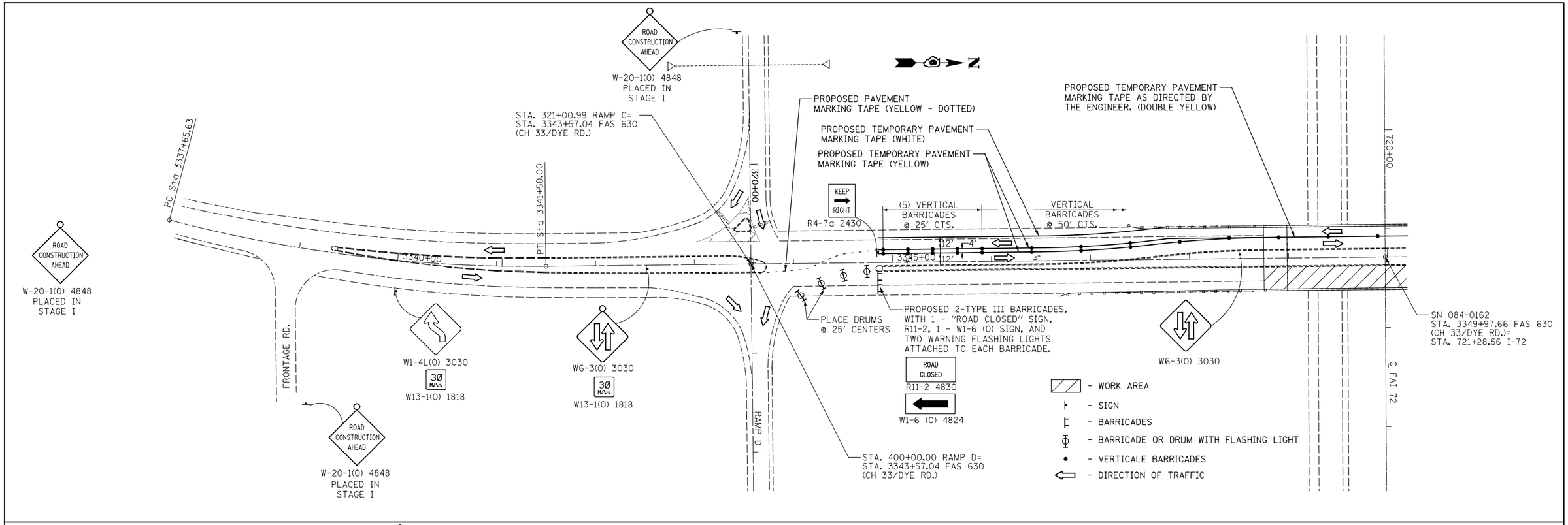
	PLOT DATE = 04/02/2013 09:34:36	DATE -	REVISED -

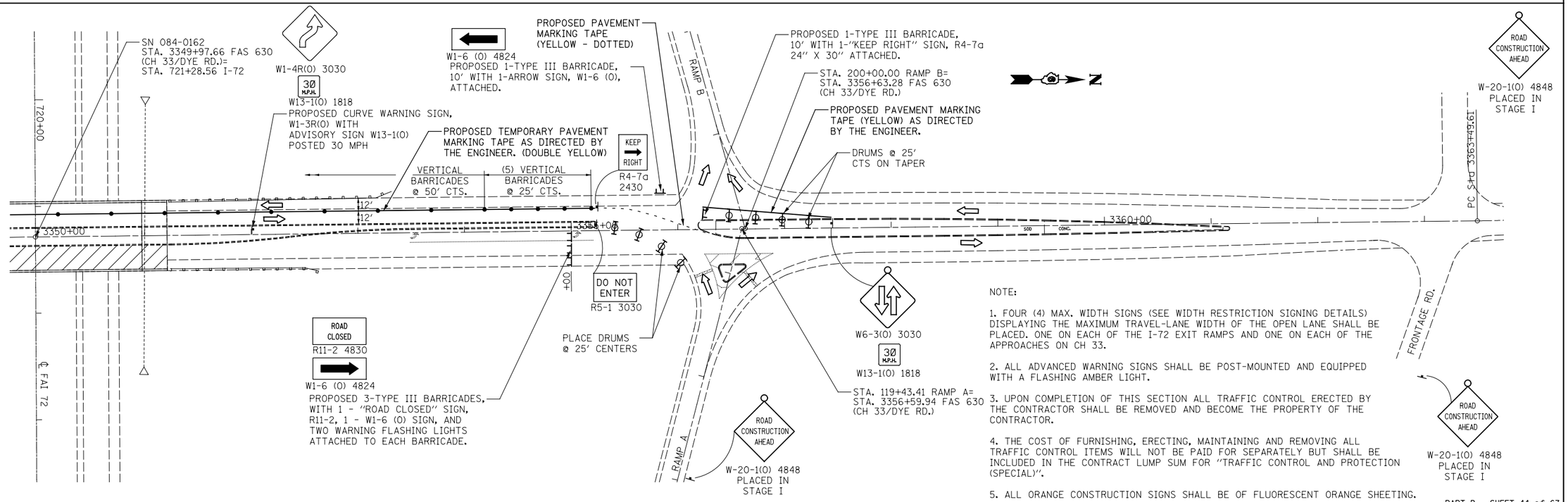
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE I PLAN
SN 084-0162 FAS 630 (CH 33/DYE ROAD)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	71
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			





NOTE:

1. FOUR (4) MAX. WIDTH SIGNS (SEE WIDTH RESTRICTION SIGNING DETAILS) DISPLAYING THE MAXIMUM TRAVEL-LANE WIDTH OF THE OPEN LANE SHALL BE PLACED. ONE ON EACH OF THE I-72 EXIT RAMPS AND ONE ON EACH OF THE APPROACHES ON CH 33.

2. ALL ADVANCED WARNING SIGNS SHALL BE POST-MOUNTED AND EQUIPPED WITH A FLASHING AMBER LIGHT.

3. UPON COMPLETION OF THIS SECTION ALL TRAFFIC CONTROL ERECTED BY THE CONTRACTOR SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.

4. THE COST OF FURNISHING, ERECTING, MAINTAINING AND REMOVING ALL TRAFFIC CONTROL ITEMS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".

5. ALL ORANGE CONSTRUCTION SIGNS SHALL BE OF FLUORESCENT ORANGE SHEETING.

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Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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	PLOT DATE = 04/02/2013 09:34:56	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

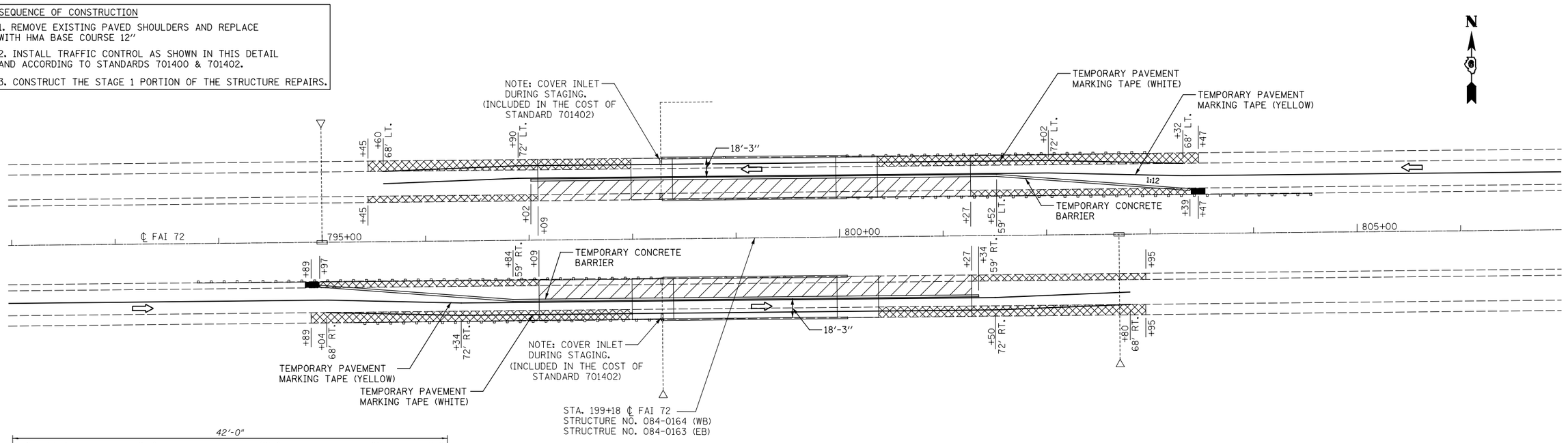
STAGE II PLAN
SN 084-0162 FAS 630 (CH 33/DYE ROAD)

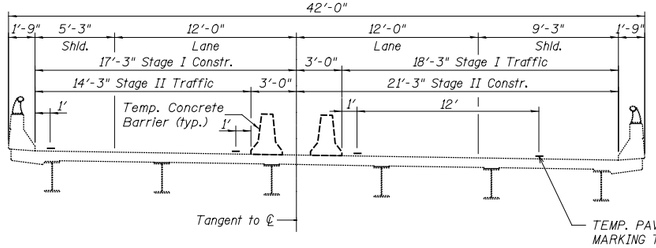
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	72
		CONTRACT NO. 72C88		
		ILLINOIS FED. AID PROJECT		

SEQUENCE OF CONSTRUCTION

1. REMOVE EXISTING PAVED SHOULDERS AND REPLACE WITH HMA BASE COURSE 12″
2. INSTALL TRAFFIC CONTROL AS SHOWN IN THIS DETAIL AND ACCORDING TO STANDARDS 701400 & 701402.
3. CONSTRUCT THE STAGE 1 PORTION OF THE STRUCTURE REPAIRS.





CROSS SECTION

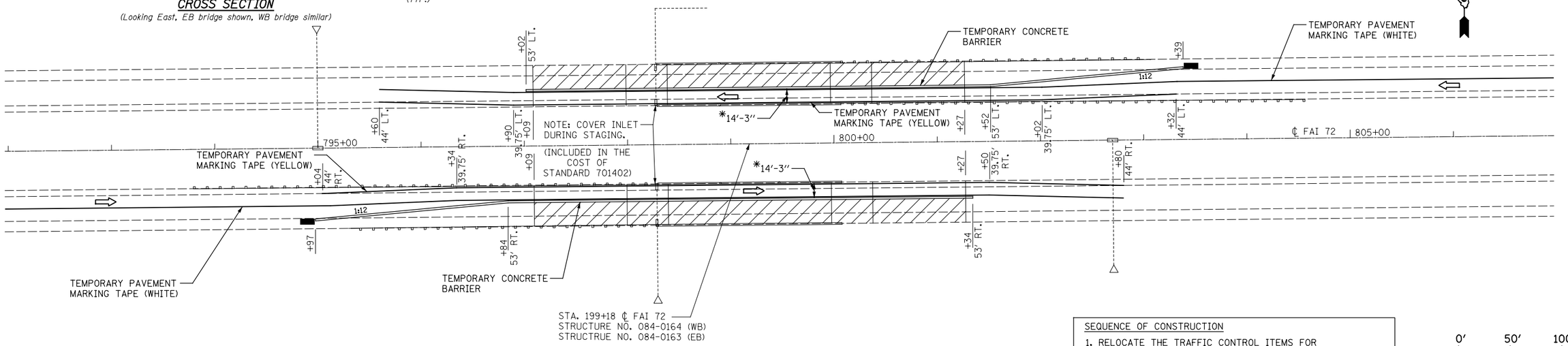
(Looking East, EB bridge shown, WB bridge similar)

NOTE: SIGNS, ARROW BOARD, TEMPORARY MARKING TAPE AND BARRICADES WITH STEADY BURNING MONODIRECTIONAL LIGHTS AS SHOWN IN STANDARD 701402 & 701400.

REMOVE EXISTING STRIPING CONFLICTING WITH THE STAGING PLAN. PAID FOR AS PAVEMENT MARKING REMOVAL.

- PAVED SHOULDER REMOVAL REPLACE WITH HMA BASE COURSE 12″
- WORK AREA
- IMPACT ATTENUATOR

STAGE I



*SEE WIDTH RESTRICTION SIGNING DETAIL

SEQUENCE OF CONSTRUCTION

1. RELOCATE THE TRAFFIC CONTROL ITEMS FOR STAGE II TRAFFIC.
2. COMPLETE STAGE II PORTION OF THE STRUCTURE REPAIRS.
3. REMOVE TRAFFIC CONTROL ITEMS AND COMPLETE ALL REMAINING WORK.

0′ 50′ 100′

STAGE II

FILE NAME = ...\CADD\D672C88-sht-staging2.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
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	PLOT DATE = 04/02/2013 09:39:12	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLAN
SN 084-0164 (WB) & 084-0163 (EB)

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

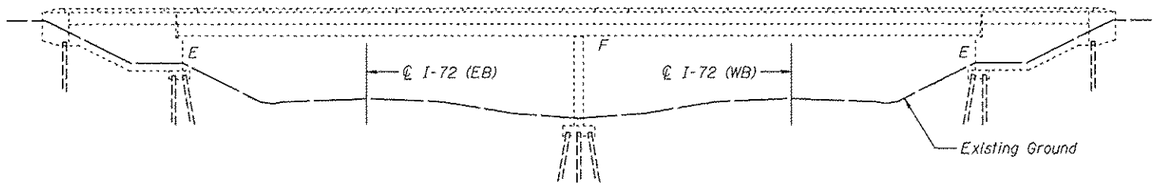
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	73
		CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

EXISTING STRUCTURE: S.N. 084-0160, originally constructed in 1974 as F.A.I. Route 72 Section 84-10-3HB-1 at Station 561+60.58, using 43" welded box girders with 7½" concrete deck and 1½" HMA Wearing Surface, 2 spans, 274'-0" back-back approach bents, 32'-0" out-out width, vaulted abutments on concrete piles, 2-column pier with footing on concrete piles.

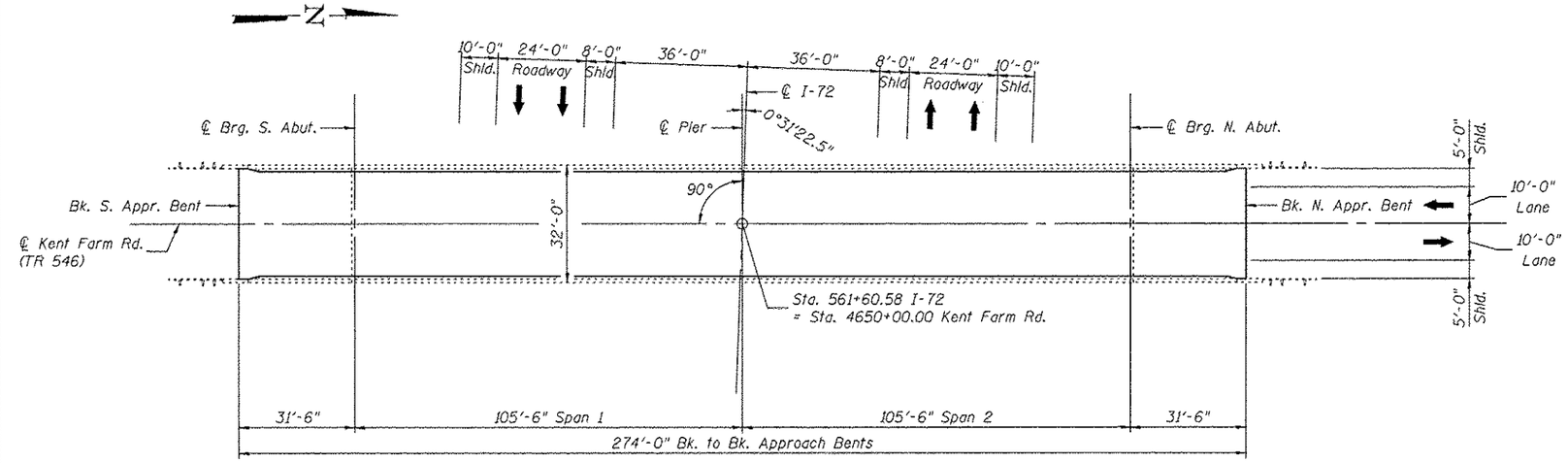
Road to be closed to traffic during construction.

No Salvage.

INDEX OF SHEETS



ELEVATION



PLAN

SCOPE OF WORK:

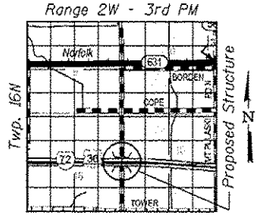
- Remove and replace existing HMA overlay and waterproofing membrane.
- Bridge deck repairs.
- Remove and replace existing expansion joint sealer at both abutments.
- Replace approach shoulder drains (See Roadway Plans).

GENERAL NOTES

Protective Shield shall be provided for the full width of the exposed bridge deck (excluding the width of the steel box girders) over the roadway below from edge of shoulder to edge of shoulder.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Hot-Mix Asphalt Surface Course, Mix "C", N50	Ton	73	--	73
Protective Shield	Sq Yd	140	--	140
Waterproofing Membrane System	Sq Yd	868	--	868
Hot-Mix Asphalt Surface Removal (Deck)	Sq Yd	868	--	868
Deck Slab Repair (Partial)	Sq Yd	30	--	30
Silicone Joint Sealer, 2¾"	Foot	59	--	59



LOCATION SKETCH

GENERAL PLAN & ELEVATION
KENT FARM RD. (TR 546) OVER F.A.I. RTE. 72
F.A.I. RTE. 72 SEC. (84-10-3)RS-5
SANGAMON COUNTY
STATION 561+60.58
STRUCTURE NO. 084-0160

STATE OF ILLINOIS
DAVID C. DEPP
081-005117
LICENSED STRUCTURAL ENGINEER

Signed: David Depp
Date: 4-2-2013
Lic. Expires: 11-30-2014

PART B - SHEET 46 of 67

FILE NAME = ...\084060-72C88-001-gplan.dgn	USER NAME = DCD	DESIGNED - CMV	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 084-0160
SHEET NO. 1 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	74
	STA. 561+60.58	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

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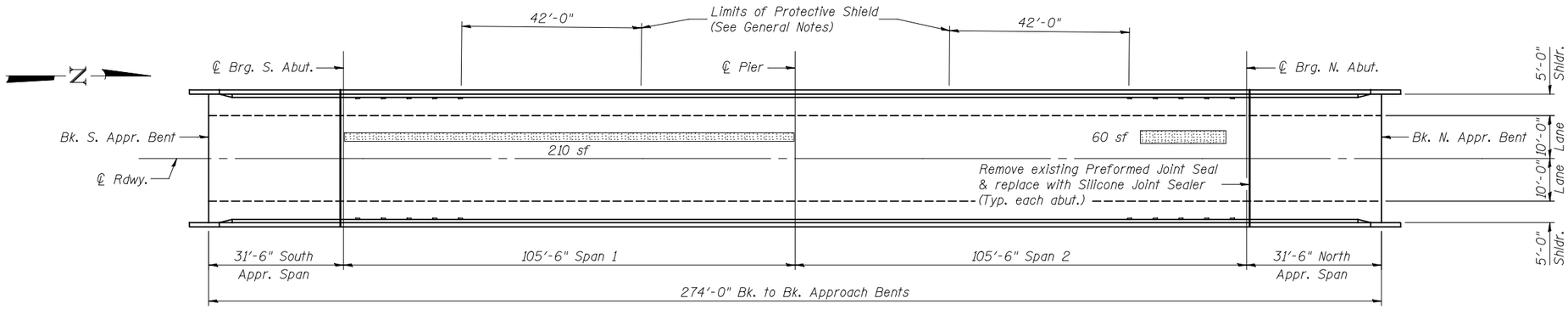
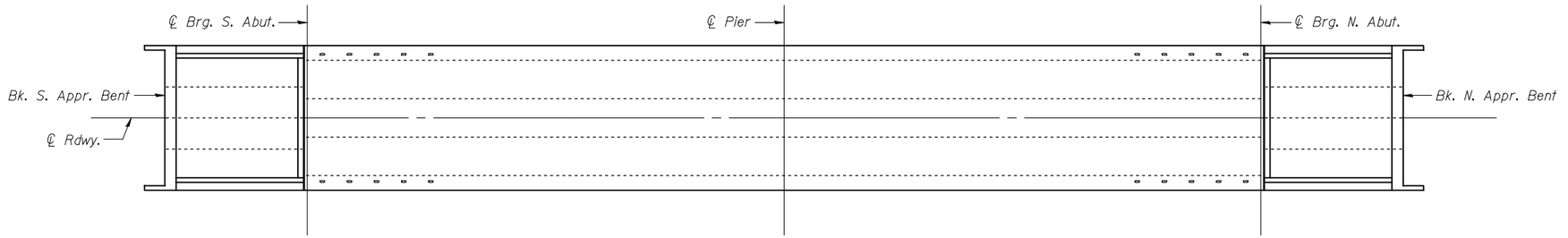
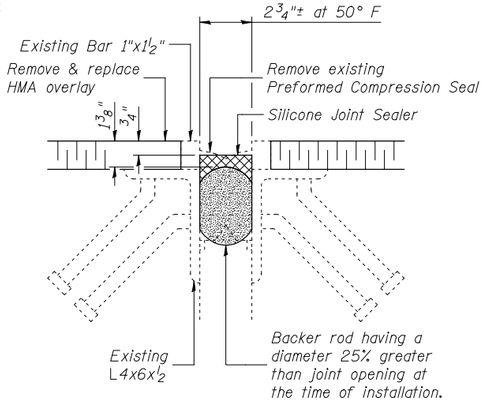
SAVE DATE: 4/2/2013



DECK PLAN-TOP

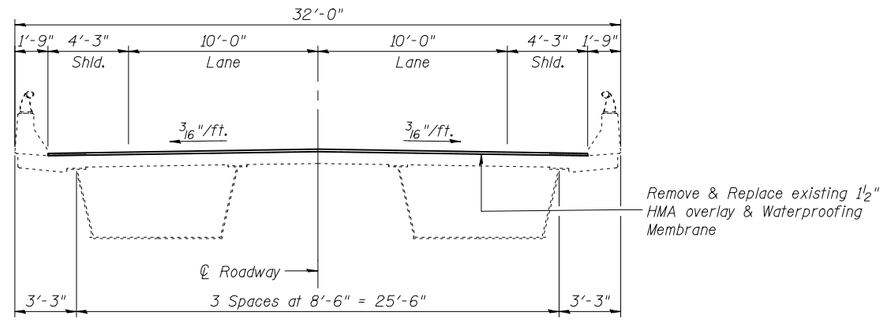


DECK PLAN-BOTTOM



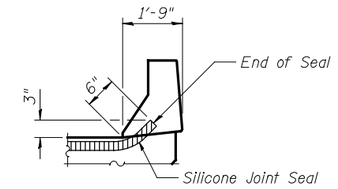
SILICONE JOINT SEALER DETAIL

(Typical for both Abutments)



CROSS SECTION

(Looking North)



TYPICAL END OF SEAL TREATMENT AT EXPANSION JOINT

LEGEND

Deteriorated asphalt wearing surface (assumed Deck Slab Repair-Partial)

Notes:
Deck Condition Survey performed 12/22/2010 (by IDOT-D6).

Repair areas are estimated, the Engineer shall determine actual repair locations and record them on the As-Built plans.

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Partial)	Sq. Yd.	30
Silicone Joint Sealer, 2 3/4"	Foot	59

FILE: J:\JOB\10204 IL-06VV*7 I-72 Illopolis\1-Kent Farms\d\0840160-72C88-002-deck.dgn
SAVE DATE: 4/2/2013

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIRS
STRUCTURE NO. 084-0160
SHEET NO. 2 OF 2 SHEETS

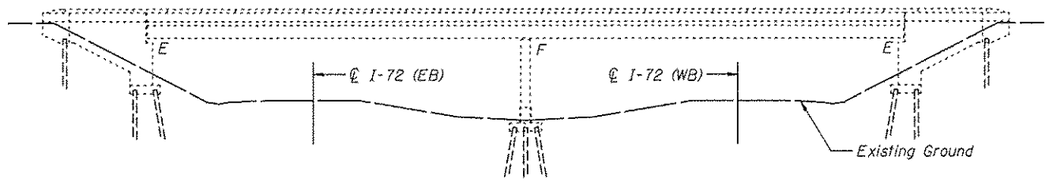
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	75
	STA. 561+60.58	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

EXISTING STRUCTURE: S.N. 084-0162, originally constructed in 1974 as F.A.I. Route 72 Section 84-10-3HB-3 at Station 721+28.56, using 42" welded plate girders with 8" concrete deck and 1½" HMA Wearing Surface, 2 spans, 246'-0" back-back approach bents, 68'-0" out-out width, vaulted abutments on concrete piles, multi-column pier with footing on timber piles. In 1999, expansion joints were replaced and HMA wearing surface was replaced with microsilica concrete.

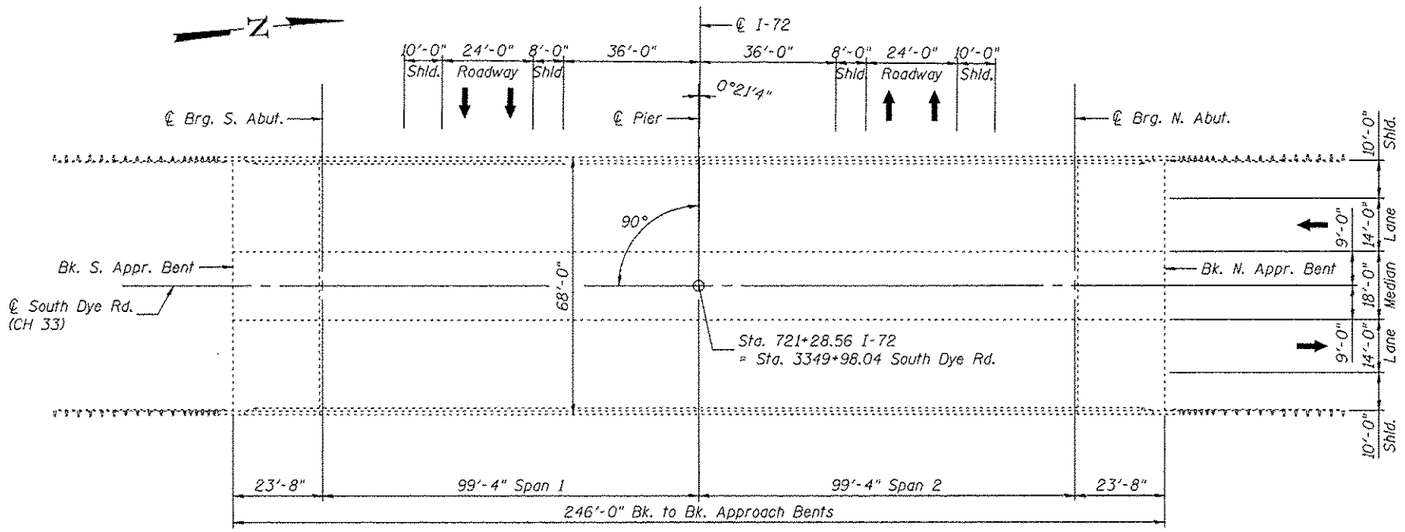
Staged construction shall be used to maintain one lane of traffic in each direction.

No Salvage.

INDEX OF SHEETS



ELEVATION



PLAN

SCOPE OF WORK:

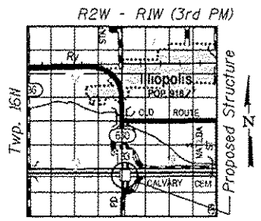
- Bridge deck repairs and concrete sealer.
- Remove and replace Silicone Joint Sealer at both abutments.

GENERAL NOTES

Concrete Sealer shall be applied to the surfaces of the deck, median and parapets. See Special Provisions for BRIDGE DECK CONCRETE SEALER.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Bridge Deck Concrete Sealer	Sq Ft	17718	--	17718
Deck Slab Repair (Partial)	Sq Yd	2	--	2
Silicone Joint Sealer, 2"	Foot	133	--	133



LOCATION SKETCH

GENERAL PLAN & ELEVATION
SOUTH DYE RD. (CH 33) OVER F.A.I. RTE. 72
F.A.I. RTE. 72 SEC. (84-10-3)RS-5
SANGAMON COUNTY
STATION 721+28.56
STRUCTURE NO. 084-0162

STATE OF ILLINOIS
DAVID C. DEPP
081-005117
LICENSED STRUCTURAL ENGINEER

Signed: David Depp
Date: 4-2-2013
Lic. Expires: 11-30-2014

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Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE =	CHECKED - DCD	REVISED -	GENERAL PLAN & ELEVATION STRUCTURE NO. 084-0162
	PLOT DATE = 04/02/2013 15:17:34	DRAWN - P. Ray	REVISED -	SHEET NO. 1 OF 2 SHEETS
		CHECKED - CMV/DCD	REVISED -	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	76
	STA. 721+28.56	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

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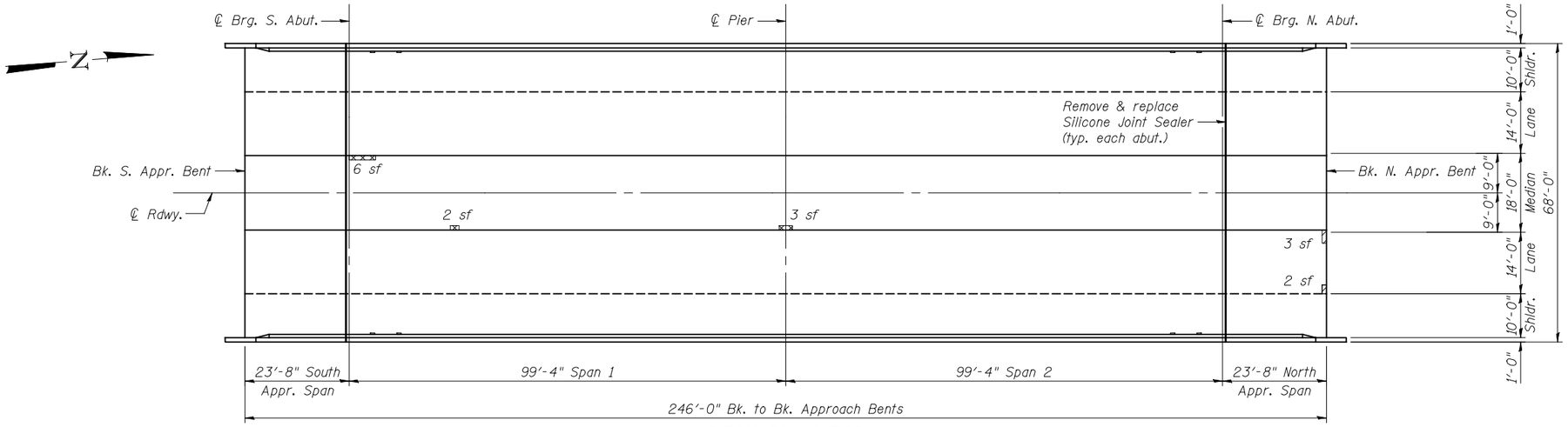
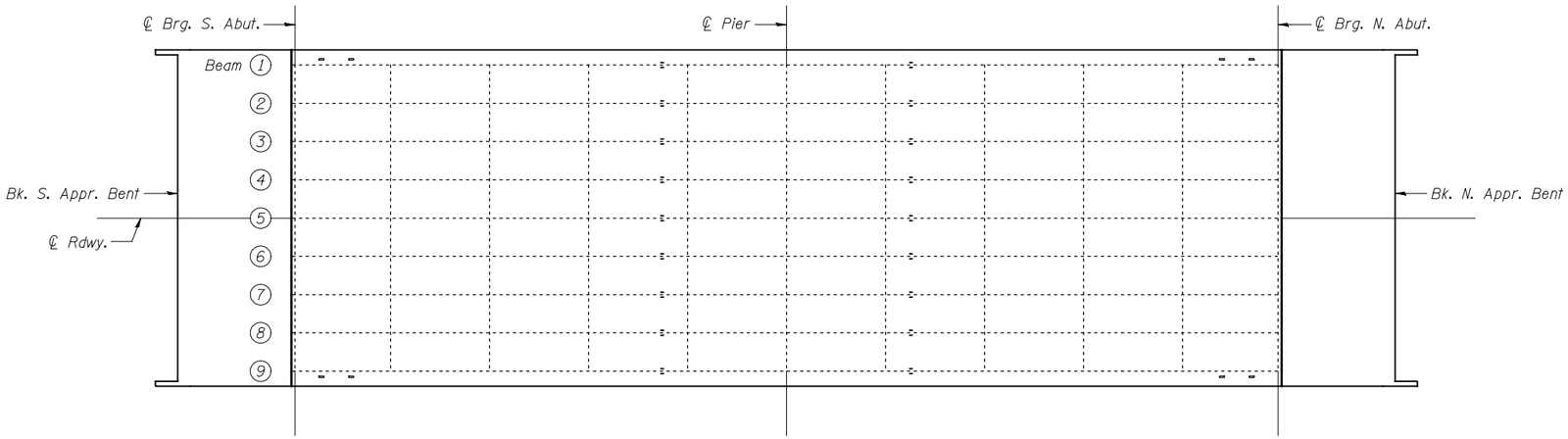
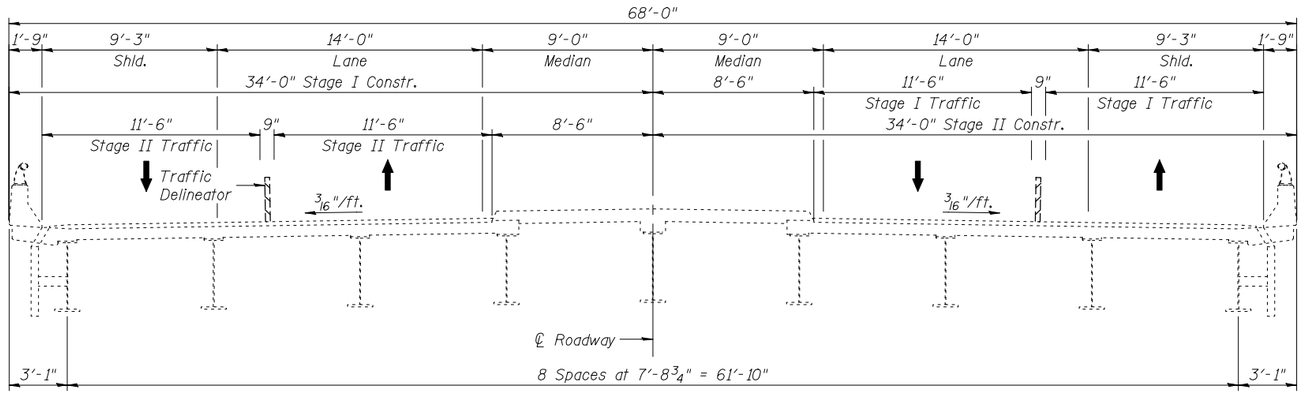


DECK PLAN-TOP

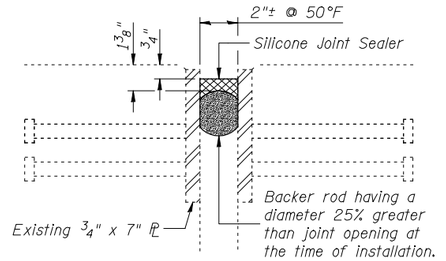


DECK PLAN-BOTTOM



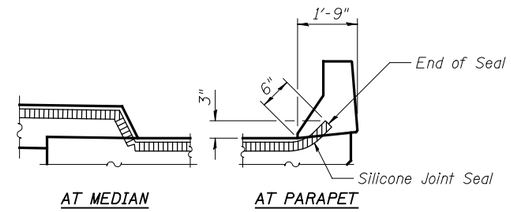
CROSS SECTION

(Looking North)



SILICONE JOINT SEALER DETAIL

(Typical for both Abutments)



TYPICAL END OF SEAL TREATMENT AT EXPANSION JOINT

LEGEND

- Hollow or Unsound Concrete
- Spalled Concrete
- Spalled Concrete with Exposed Reinf. — Deck Slab Repair (Partial)
- Hairline Crack

Notes:
Deck Condition Survey performed 2/07/2011 (by IDOT-D6).

Repair areas are estimated, the Engineer shall determine actual repair locations and record them on the As-Built plans.

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Partial)	Sq Yd	2
Silicone Jt. Sealer, 2"	Foot	133

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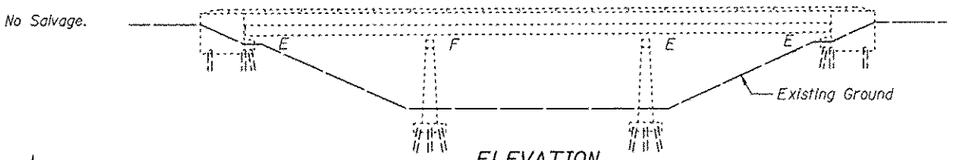
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIRS
STRUCTURE NO. 084-0162
SHEET NO. 2 OF 2 SHEETS

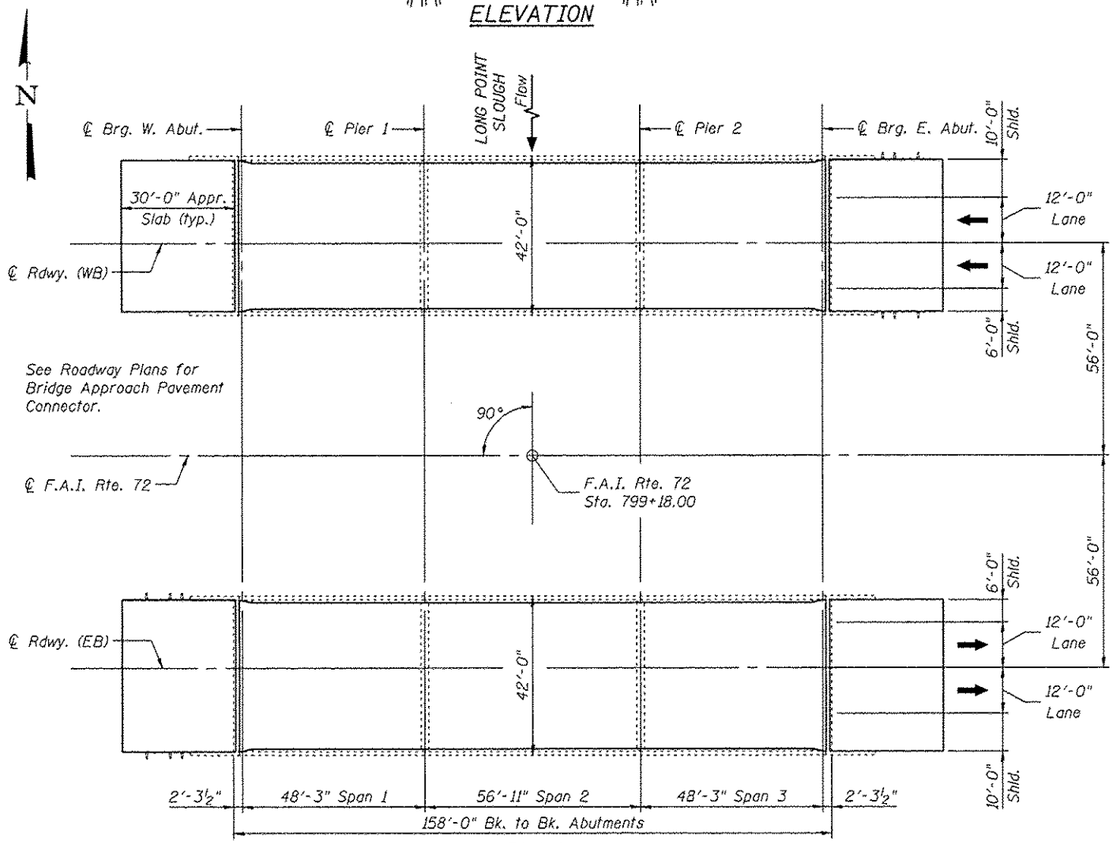
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	77
	STA. 721+28.56	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

EXISTING STRUCTURE: S.N. 084-0163(EB) & -0164(WB), originally constructed in 1975 as F.A.I. Route 72 Section 84-10-3B-2 at Station 99+18.00, using 36" steel beams with 8" concrete deck and 1½" HMA Wearing Surface, 3 spans, 158'-0" back-back abutments, 42'-0" out-out width, stub abutments on concrete piles, wall piers with footing on concrete piles. In 1991, HMA Wearing Surface was removed and replaced, and expansion joints reconstructed. In 1999, HMA Wearing Surface was again replaced.

Staged construction shall be used to maintain one lane of traffic.



ELEVATION



PLAN

INDEX OF SHEETS

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

All new structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.

Field painting of structural steel shall be done under a separate painting contract.

Concrete Sealer shall be applied to the surfaces of the parapets (deck and wings), and the approach slabs. No sealer shall be applied to the new deck overlay. See Special Provisions for BRIDGE DECK CONCRETE SEALER.

Diamond Grinding shall be applied to the new concrete deck overlay and approach slabs, prior to Bridge Deck Grooving. See Special Provisions for "Diamond Grinding and Surface Testing Bridge Sections".

TOTAL BILL OF MATERIAL

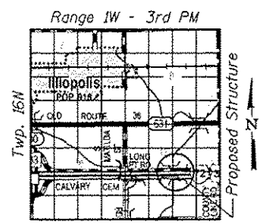
ITEM	UNIT	EB	WB	TOTAL
Concrete Structures	Cu Yd	25.3	25.3	50.6
Concrete Superstructure	Cu Yd	118.8	118.8	237.6
Bridge Deck Grooving	Sq Yd	889	889	1778
Furnishing and Erecting Structural Steel	Pound	1713	1713	3426
Reinforcement Bars, Epoxy Coated	Pound	30480	30480	60960
Bar Splicers	Each	222	222	444
Elastomeric Bearing Assembly, Type I	Each	6	6	12
Elastomeric Bearing Assembly, Type II	Each	6	6	12
Anchor Bolts, 1"	Each	24	24	48
Bridge Deck Concrete Sealer	Sq Ft	3708	3708	7416
Floor Drain Extension	Each	20	20	40
Jack and Remove Existing Bearings	Each	12	12	24
Hot-Mix Asphalt Surface Removal (Deck)	Sq Yd	645	645	1290
Bridge Deck Scarification ¾"	Sq Yd	645	645	1290
Bridge Deck Microsilica Concrete Overlay 2¾"	Sq Yd	645	645	1290
Plug Existing Deck Drains	Each	20	20	40
Deck Slab Repair (Full Depth, Type I)	Sq Yd	10	10	20
Deck Slab Repair (Full Depth, Type II)	Sq Yd	10	10	20
Silicone Joint Sealer, 1¾"	Foot	41	41	82
Silicone Joint Sealer, 2¾"	Foot	41	41	82
Diamond Grinding (Bridge Section)	Sq Yd	831	831	1662

STATE OF ILLINOIS
DAVID C. DEPP
061-005117
LICENSED STRUCTURAL ENGINEER

Signed: David Depp
Date: 4-2-2013
Lic. Expires: 11-30-2014

SCOPE OF WORK:

- Remove existing HMA overlay and waterproofing membrane.
- Bridge deck repairs.
- Scarify deck and add microsilica concrete overlay.
- Remove and replace approach slabs.
- Diamond Grind deck overlay and approach slabs.
- Remove and replace existing expansion joint seals at both abutments.
- Remove and replace existing expansion bearings at abutments.
- Plug half of the deck drains and replace existing drain extensions.



LOCATION SKETCH

GENERAL PLAN & ELEVATION
F.A.I. RTE. 72 OVER LONG POINT SLOUGH
F.A.I. RTE. 72 SEC. (84-10-3)RS-5
SANGAMON COUNTY
STATION 799+18.00
STRUCTURE NO. 084-0163(EB) & -0164(WB)

PART B - SHEET 50 of 67

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 084-0163(EB) & 084-0164(WB)
SHEET NO. 1 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	78
	STA. 799+18.00	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

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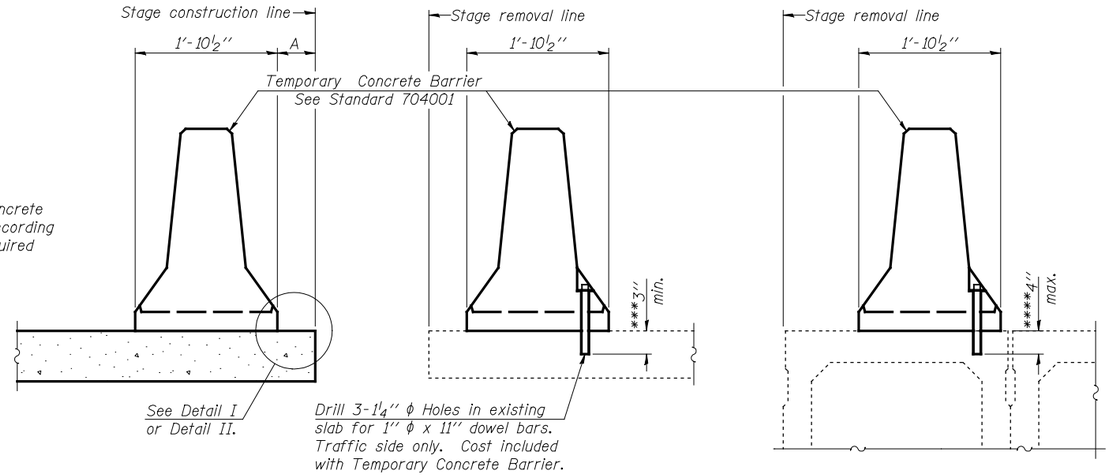


NEW SLAB

EXISTING SLAB

EXISTING DECK BEAM

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".

NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1'' x 7' 'x ''W'' steel PL to the top layer of couplers with 2-$\frac{5}{8}$'' ϕ bolts screwed to coupler at approximate ℄ of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1'' x 7'' x ''W'' steel PL to the concrete slab or concrete wearing surface with 2-$\frac{5}{8}$'' ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate ℄ of each barrier panel.

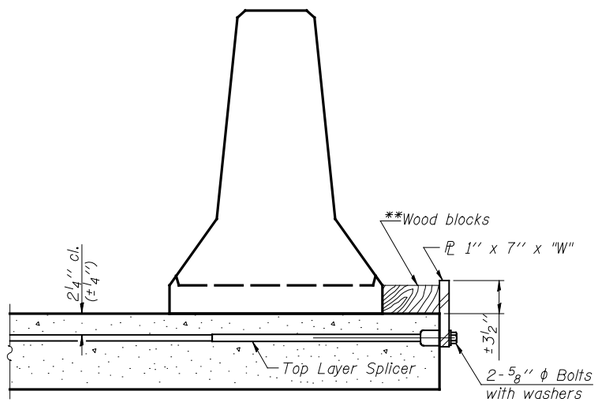
Cost of anchorage is included with Temporary Concrete Barrier.

The 1'' x 7'' x ''W'' plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

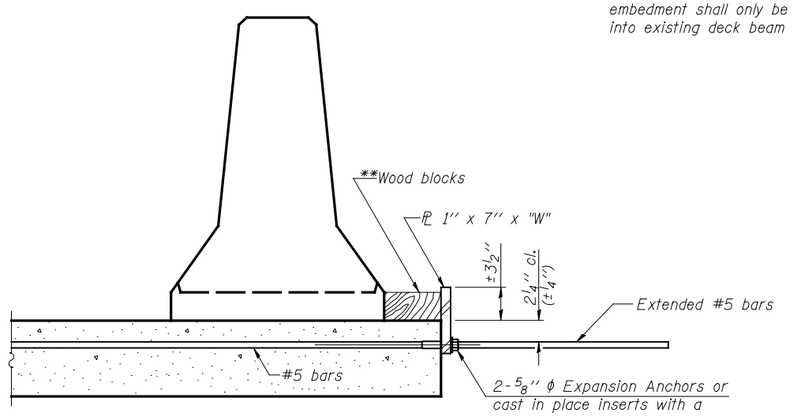
SECTIONS THRU SLAB OR DECK BEAM

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

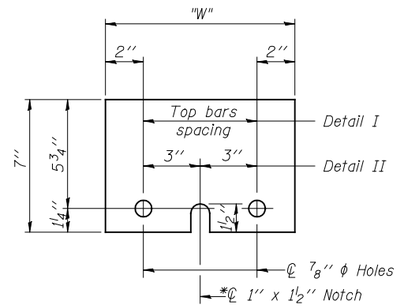
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER PL 1'' x 7'' x ''W''

* Required only with Detail II

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4''

R-27

7-1-10

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 084-0163(EB) & 084-0164(WB)

SHEET NO. 2 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	79
	STA. 799+18.00	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

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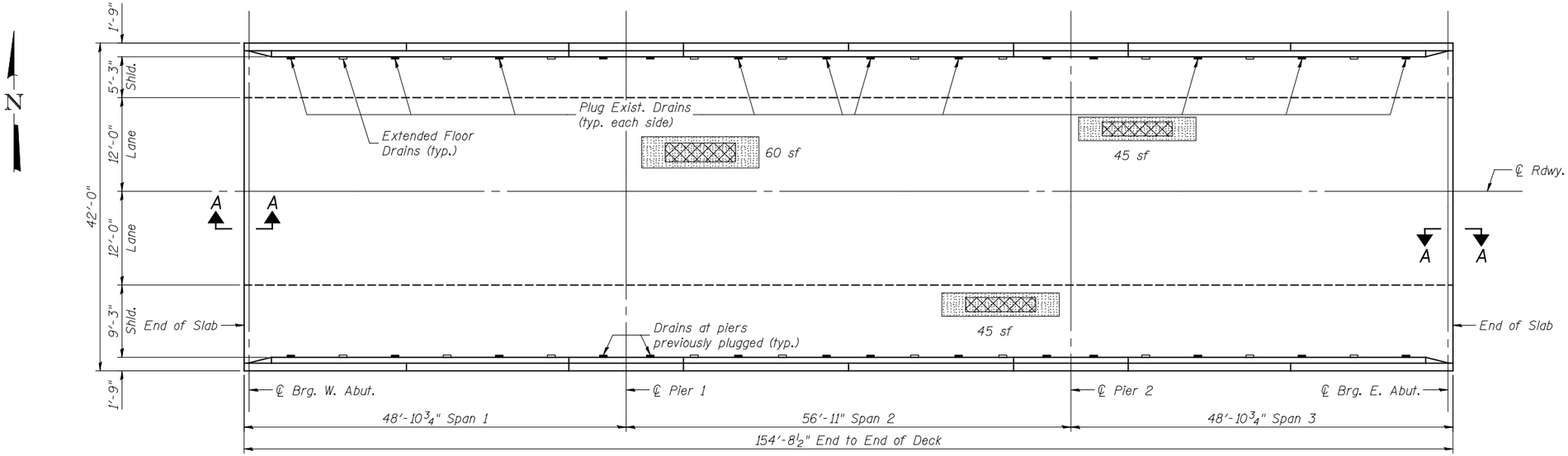
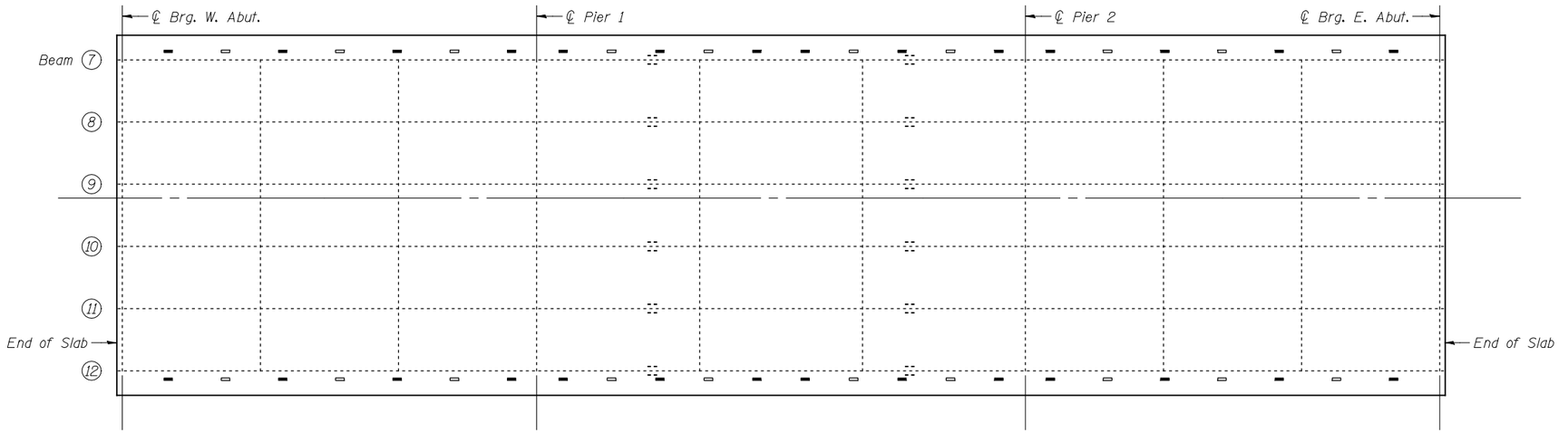
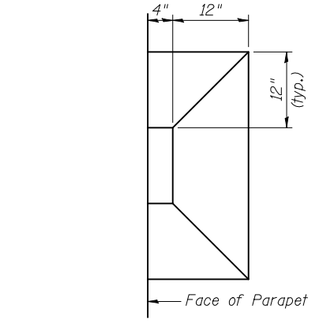


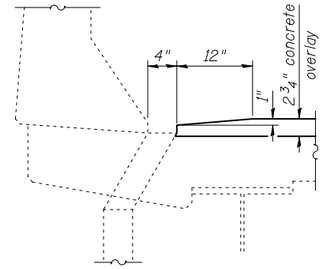
DECK PLAN-TOP



DECK PLAN-BOTTOM



PLAN

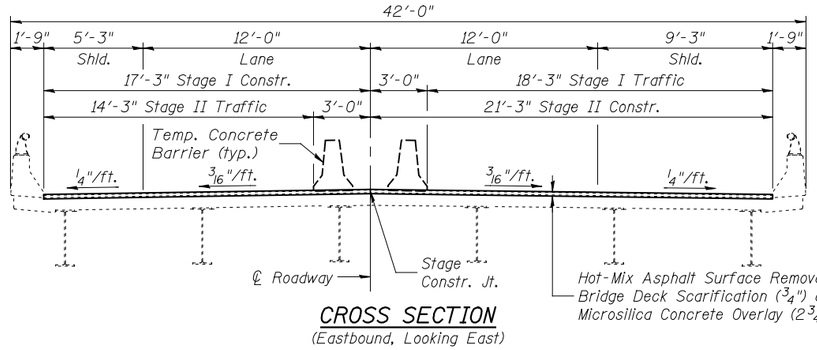


SECTION

DETAILS AT DECK DRAIN

LEGEND

- Deteriorated Asphalt Wearing Surface
- Full-Depth Deck Repair (assumed)



CROSS SECTION

(Eastbound, Looking East)

Notes:
Deck Condition Survey performed 9/07/2010 (by IDOT-D6).

Repair areas are estimated, the Engineer shall determine actual repair locations and record them on the As-Built plans. After scarification, the Engineer shall contact IDOT District 6 Operations-Bridge Maintenance staff to determine full-depth repair locations.

Partial depth repairs are included with Bridge Deck Scarification, see Special Provision for Bridge Deck Microsilica Concrete Overlay.

For Section A-A, see Sheet 5 of 10.

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	10
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	10
Plug Existing Deck Drains	Each	20
Floor Drain Extension	Each	20

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CHECKED - DCD | REVISED -
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Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIRS – EASTBOUND
STRUCTURE NO. 084-0163(EB) & 084-0164(WB)
SHEET NO. 3 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	80
	STA. 799+18.00	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

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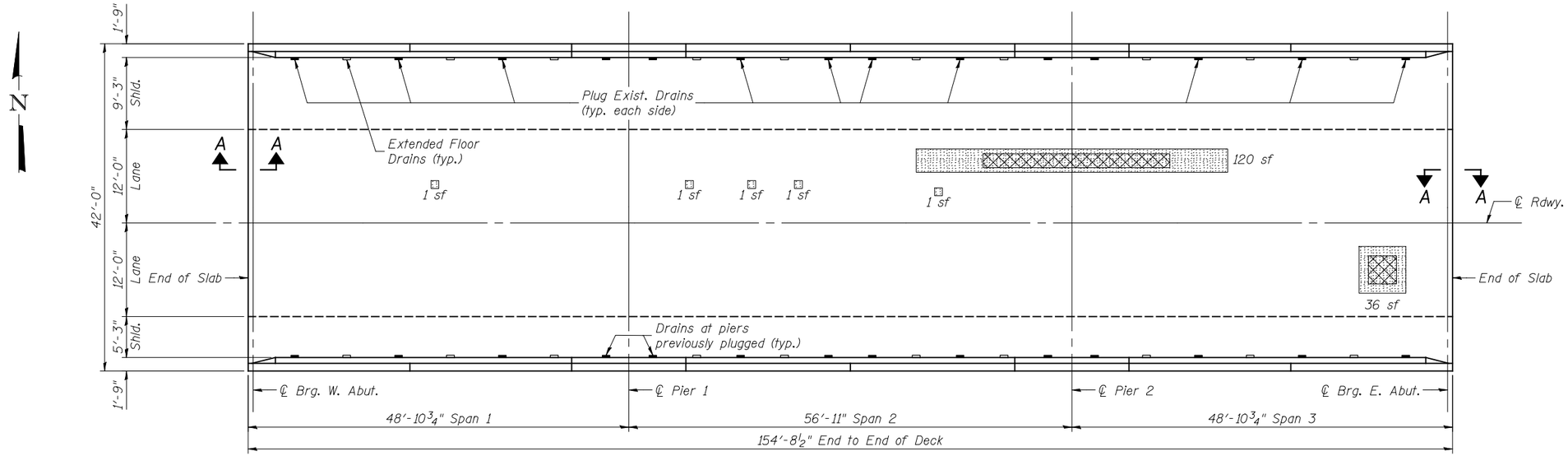
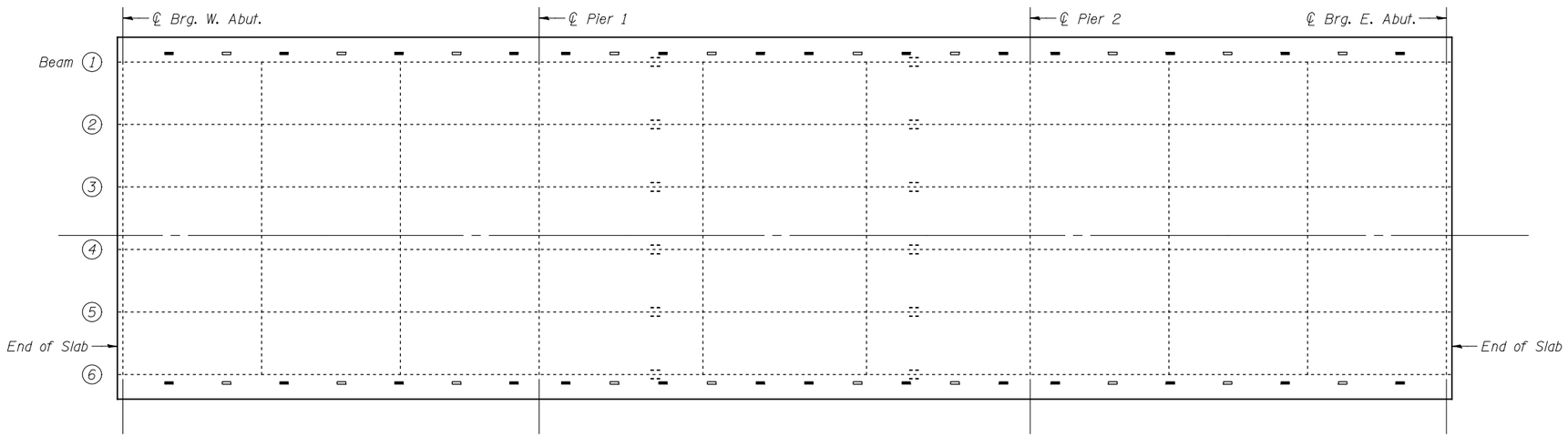


DECK PLAN-TOP

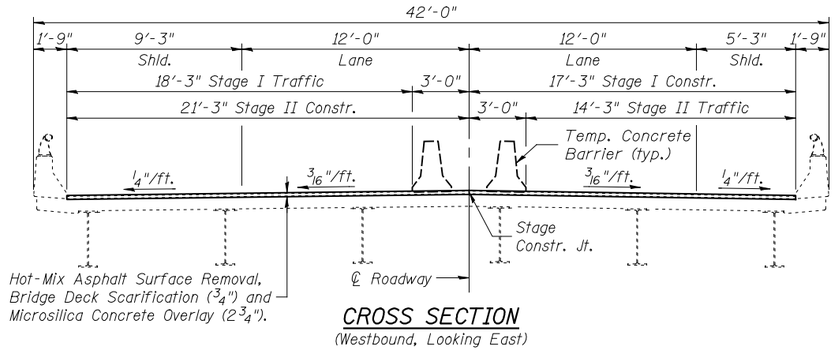


DECK PLAN-BOTTOM

LEGEND

Deteriorated Asphalt Wearing Surface

Full-Depth Deck Repair (assumed)



CROSS SECTION

(Westbound, Looking East)

Notes:
Deck Condition Survey performed 9/07/2010 (by IDOT-D6).

Repair areas are estimated, the Engineer shall determine actual repair locations and record them on the As-Built plans. After scarification, the Engineer shall contact IDOT District 6 Operations-Bridge Maintenance staff to determine full-depth repair locations.

Partial depth repairs are included with Bridge Deck Scarification, see Special Provision for Bridge Deck Microsilica Concrete Overlay.

For Section A-A, see Sheet 5 of 10.

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	10
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	10
Plug Existing Deck Drains	Each	20
Floor Drain Extension	Each	20

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PART B - SHEET 53 of 67

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIRS – WESTBOUND
STRUCTURE NO. 084-0163(EB) & 084-0164(WB)
SHEET NO. 4 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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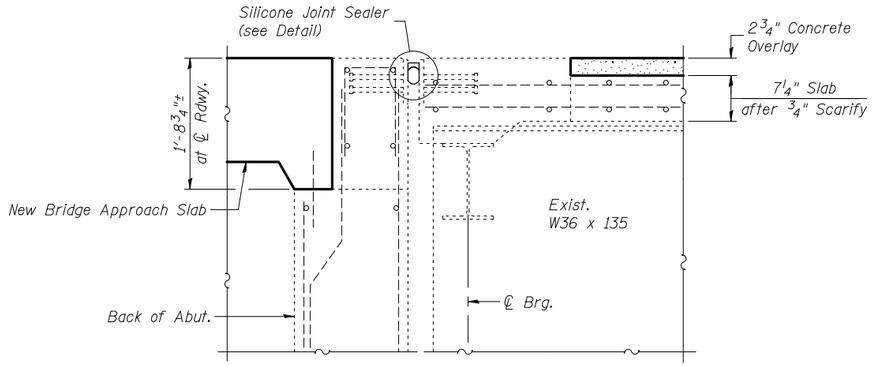
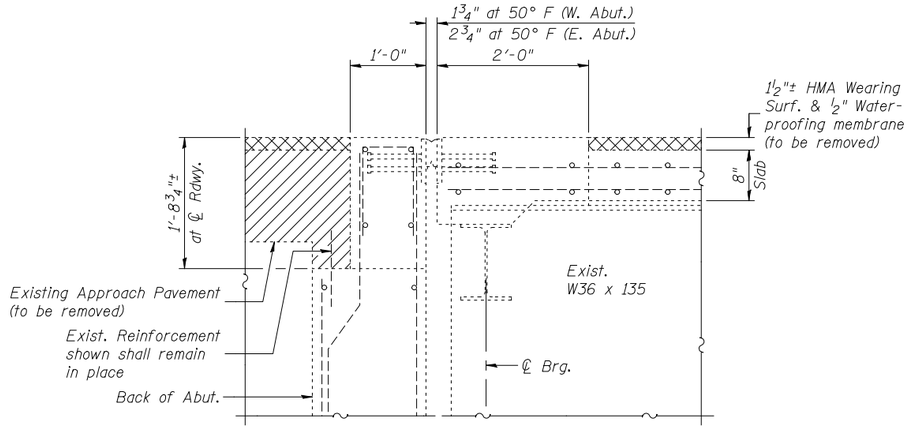
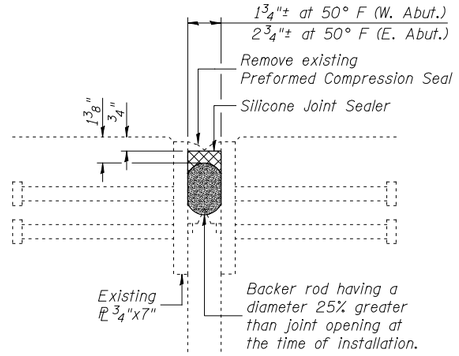
	STA. 799+18.00	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			



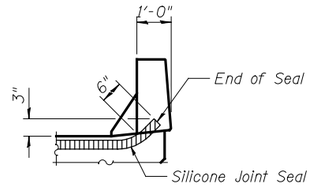
PROPOSED SECTION A-A



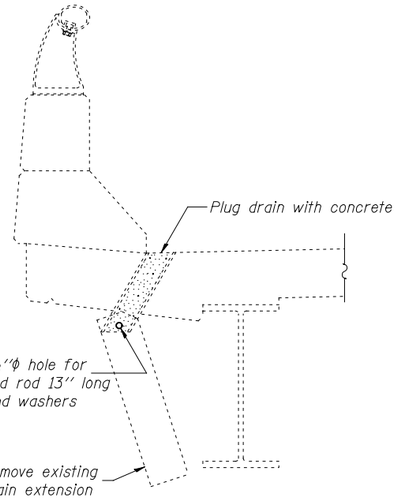
EXISTING SECTION A-A



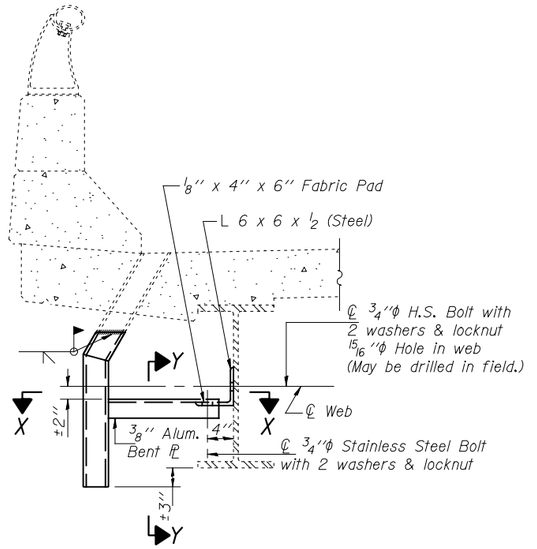
SILICONE JOINT SEALER DETAIL



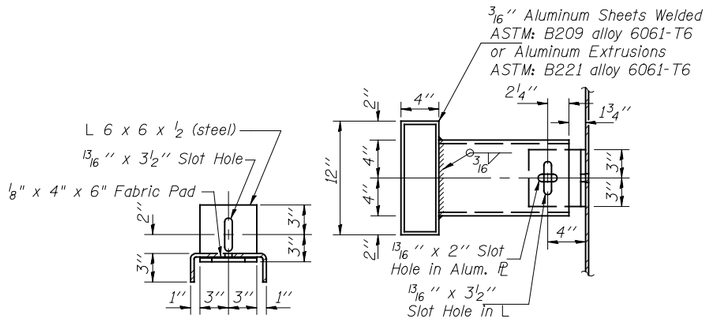
TYPICAL END OF SEAL TREATMENT
AT EXPANSION JOINT



SECTION AT DRAIN PLUG



SECTION AT DRAIN EXTENSION



SECTION Y-Y

SECTION X-X

Notes:
Existing drain extensions at plugged drains shall be removed (cost included with Plug Existing Drains).
Existing drain extensions at remaining open drains shall be removed and replaced according to the plan details. This work will be paid for as Floor Drain Extension (Each).

FILE: ...\0840163-72C88-005-deckrepairdetails.dgn | USER NAME = DCD | DESIGNED - CMV | REVISED -
PLOT SCALE = | DRAWN - P. Ray | REVISED -
PLOT DATE = 04/02/2013 15:18:46 | CHECKED - CMV/DCD | REVISED -

Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

CHECKED - DCD | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIR DETAILS
STRUCTURE NO. 084-0163(EB) & 084-0164(WB)
SHEET NO. 5 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	82
	STA. 799+18.00	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

SAVE DATE: 3/29/2013
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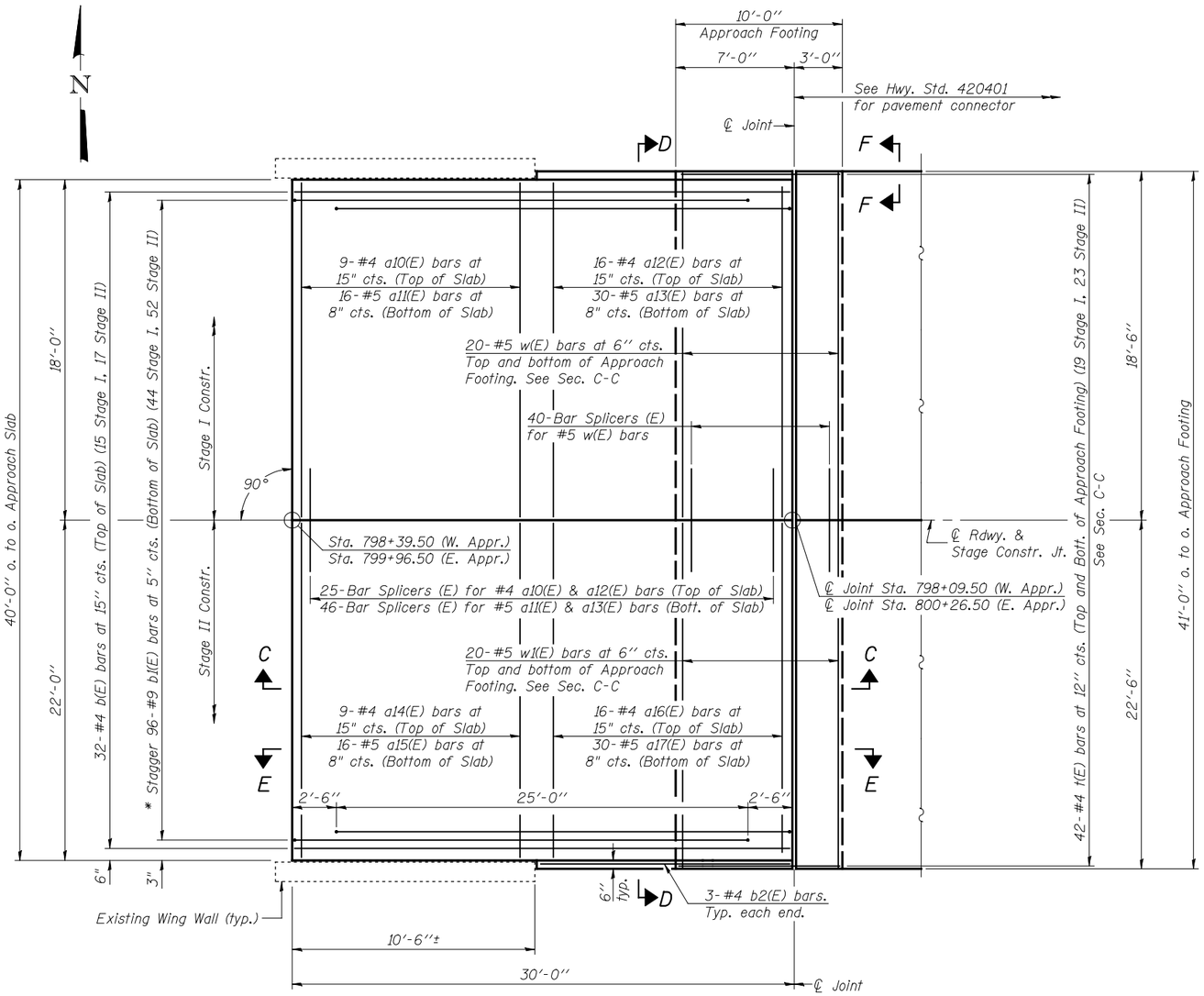


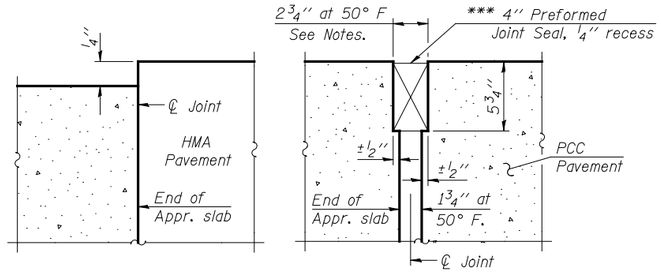
PLAN

(EB Bridge, East Approach shown, WB Bridge & West Approach similar)

* Tilt #9 b1(E) bars as required to maintain clearance.

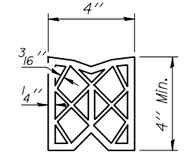
Notes:
See sheet 7 of 10 for Sections C-C & D-D and View E-E.
a10(E) thru a17(E) bar spacings measured along ℄ Rdwy.
The joint opening shall be determined per Article 520.04 except that on jointless structures, the distance described as the bridge length between the nearest fixed bearings each way from the joint shall be taken as half the bridge length plus the approach slab length. The minimum dimension shall be $1\frac{1}{2}$" for installation purposes.

*** Cost included with Concrete Superstructure.



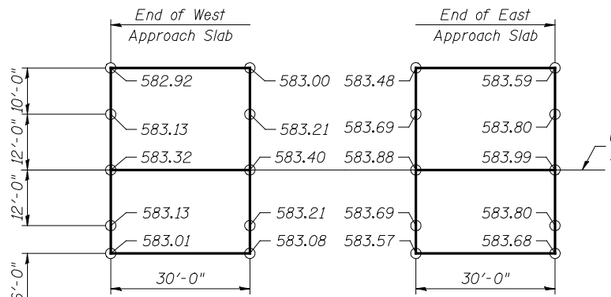
FLEXIBLE PAVEMENT

RIGID PAVEMENT

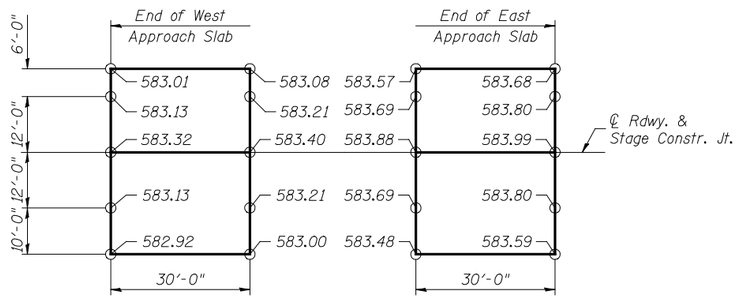


PREFORMED JOINT SEAL

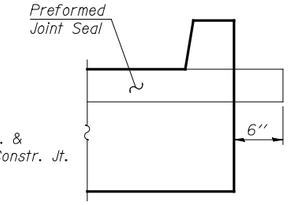
DETAIL A



WESTBOUND



EASTBOUND



VIEW F-F

TOP OF APPROACH SLAB ELEVATIONS

NOTE:
Proposed elevations are based on the original 1973 plan elevations, increased by 0.04' ($\frac{1}{2}$") to account for the replacement deck overlay from 1991. The top of the existing abutment backwall can be used as a temporary benchmark by assuming the following elevations:
Back of West Abut. at ℄ Rdwy (crown) Elev. 583.40
Back of East Abut. at ℄ Rdwy (crown) Elev. 583.88

BA-0 12-12-12 (Modified)

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		CHECKED - DCD	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE =	DRAWN - P. Ray	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 084-0163(EB) & 084-0164(WB)
SHEET NO. 6 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	83
	STA. 799+18.00	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

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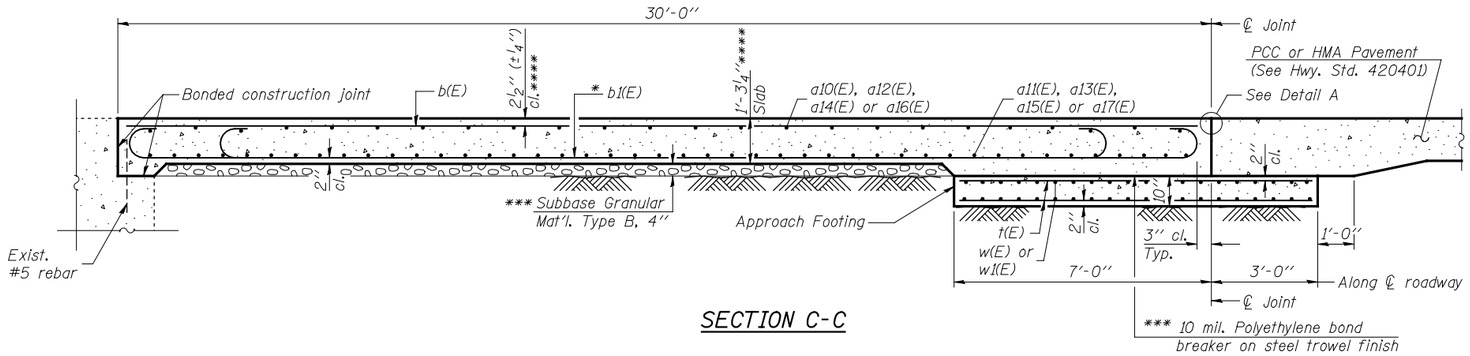
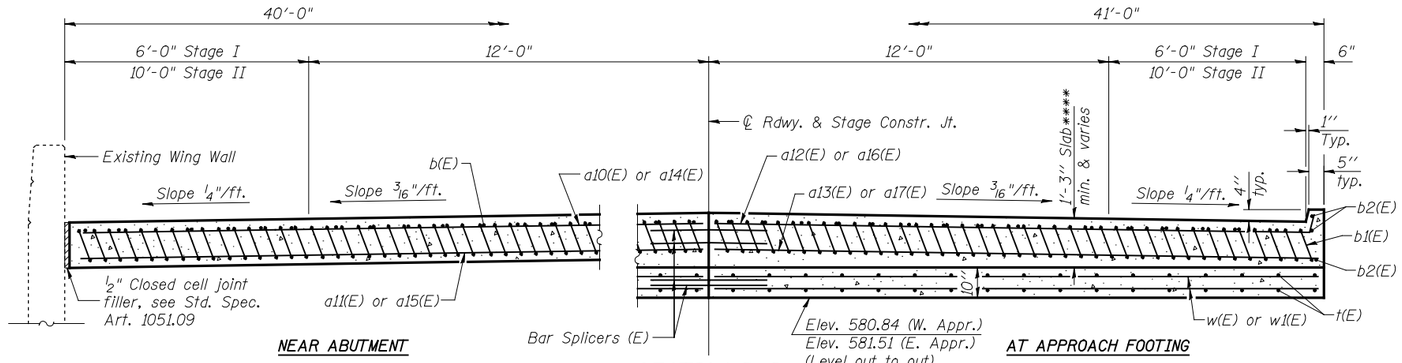


SECTION C-C



SECTION D-D

(See Plan for dimensions not shown)

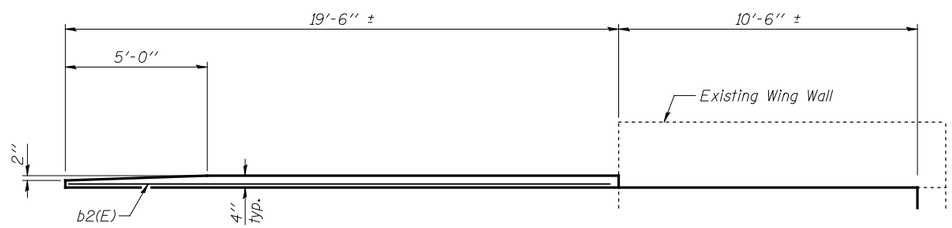
Notes:

See sheet 6 of 10 for Detail A.
Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
For bar splicer details, see sheet 10 of 10.
Cost of excavation for approach footing included with Concrete Structures.

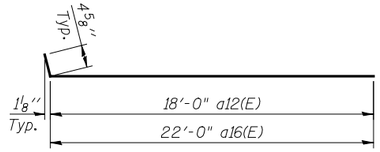
* Tilt #9 b1(E) bars as required to maintain clearance.

*** Cost included with Concrete Superstructure.

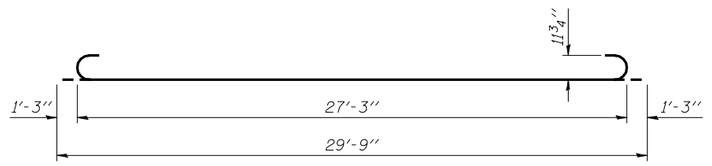
**** Before grinding according to Bridge Smoothness Specification.



VIEW E-E



BARS a12(E) & a16(E)



BAR b1(E)

BILL OF MATERIAL
(4 APPROACHES)

Bar	No.	Size	Length	Shape
a10(E)	36	#4	17'-8"	
a11(E)	64	#5	17'-8"	
a12(E)	64	#4	18'-5"	
a13(E)	120	#5	18'-2"	
a14(E)	36	#4	21'-8"	
a15(E)	64	#5	21'-8"	
a16(E)	64	#4	22'-5"	
a17(E)	120	#5	22'-2"	
b(E)	128	#4	29'-8"	
b1(E)	384	#9	29'-9"	
b2(E)	24	#4	19'-2"	
t(E)	336	#4	9'-8"	
w(E)	160	#5	18'-2"	
w1(E)	160	#5	22'-2"	

		EB	WB
Concrete Superstructure	Cu. Yd.	118.8	118.8
Concrete Structures	Cu. Yd.	25.3	25.3
Reinforcement Bars, Epoxy Coated	Pound	30480	30480

BA-0 12-12-12 (Modified)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 084-0163(EB) & 084-0164(WB)
SHEET NO. 7 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	84
	STA. 799+18.00	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

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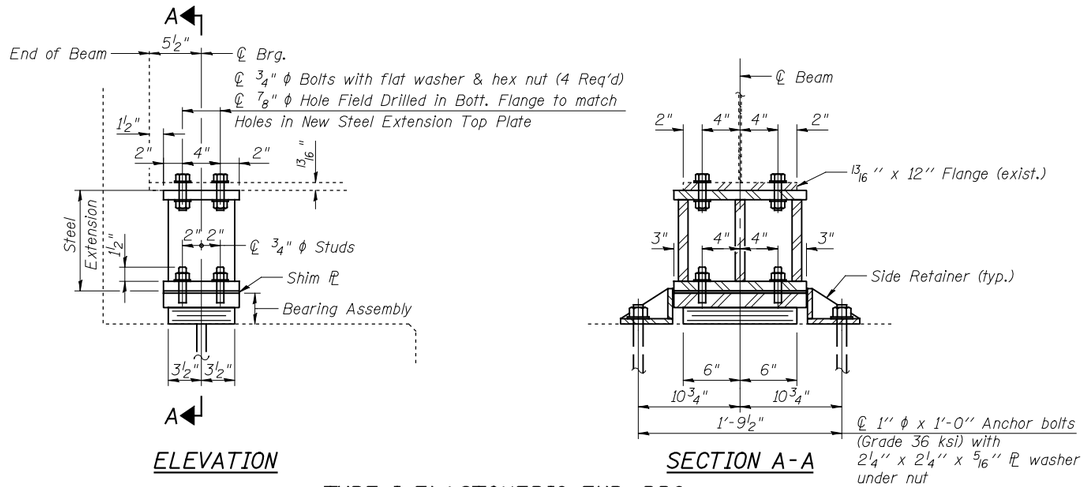
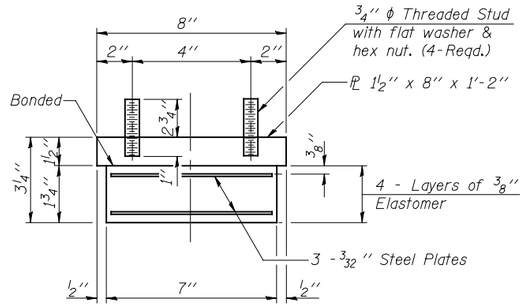


TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

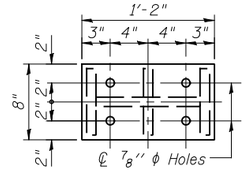
Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

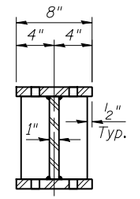
Anchor bolts for side retainers shall be installed in holes drilled after members are in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

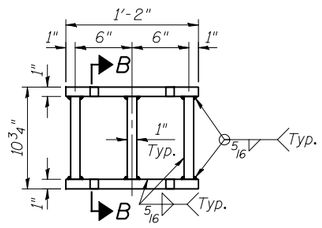
Side retainers and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.



PLAN - TOP & BOTTOM



SECTION B-B



ELEVATION

STEEL EXTENSION

Notes:

Existing expansion bearings shall be removed and replaced according to the plans. Jacking shall be according to the Special Provisions for "JACK AND REMOVE EXISTING BEARINGS".

If the analysis submitted to the Contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.

The abutment bearings shall be in place and the jacks lowered before the new concrete deck is poured at the abutments.

Diaphragm removal and replacement may be required to facilitate drilling holes. Cost shall be included with Furnishing and Erecting Structural Steel.

Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Existing bearing dimensions shown are copied from the original plans.

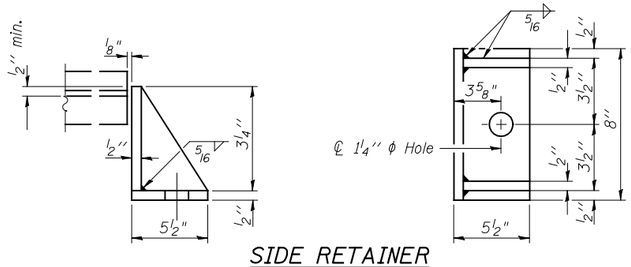
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

New steel extensions and connection bolts are included with Furnishing and Erecting Structural Steel.

The structural steel bearing plates for the expansion bearings shall conform to the requirements of AASHTO M 270 Grade 36 (min.).

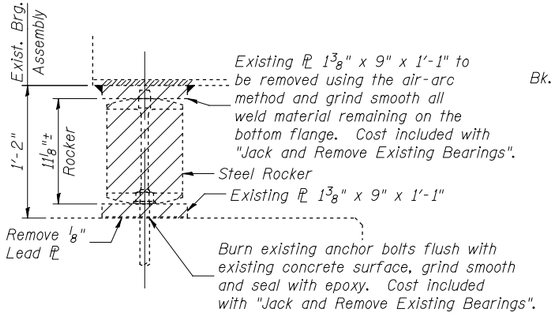
Note:

Shim plates shall not be placed under Bearing Assembly.

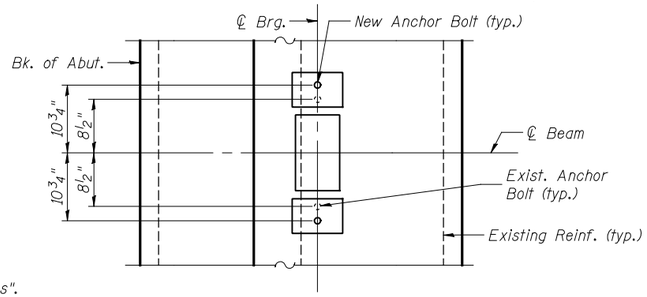


SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



EXISTING BEARING REMOVAL



ANCHOR BOLT LAYOUT

BEAM REACTION TABLE		
		W. Abut.
R (DL)	(K)	25.0
R (LL)	(K)	36.4
R (Imp)	(K)	10.5
R (Total)	(K)	71.9
Minimum Jack Capacity	(Tons)	40

BILL OF MATERIAL

Item	Unit	EB	WB
Jack and Remove Existing Bearings	Each	6	6
Elastomeric Bearing Assembly Type I	Each	6	6
Furnishing and Erecting Structural Steel	Pound	876	876
Anchor Bolts, 1"	Each	12	12

I-2E-1

7-1-10 (Modified)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS - WEST ABUTMENT
STRUCTURE NO. 084-0163(EB) & 084-0164(WB)
SHEET NO. 8 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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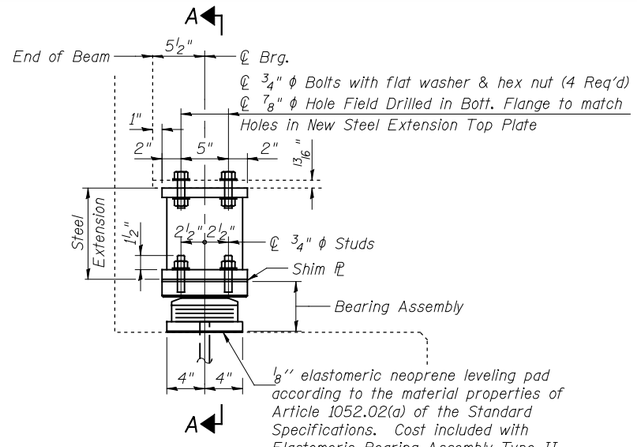
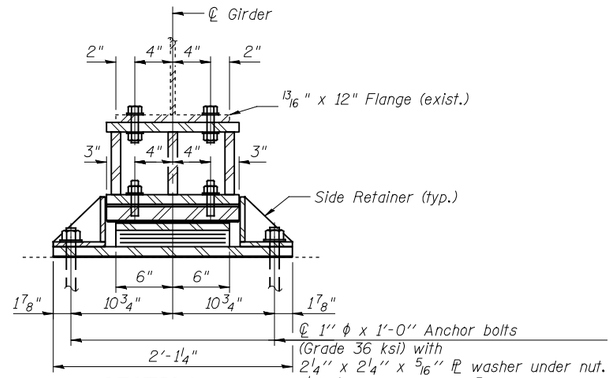
	STA. 799+18.00	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

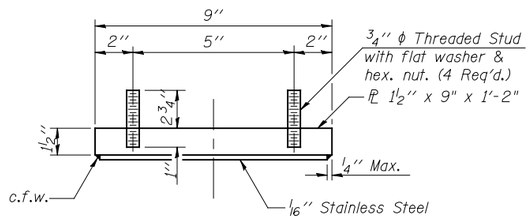


ELEVATION

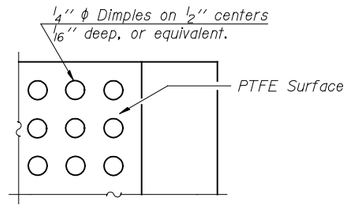


SECTION A-A

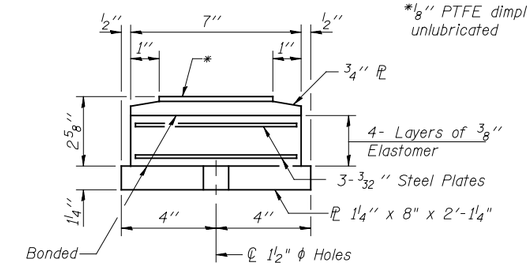
TYPE II ELASTOMERIC EXP. BRG.



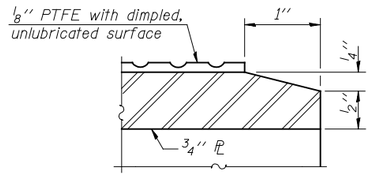
TOP BEARING ASSEMBLY



PLAN-PTFE SURFACE

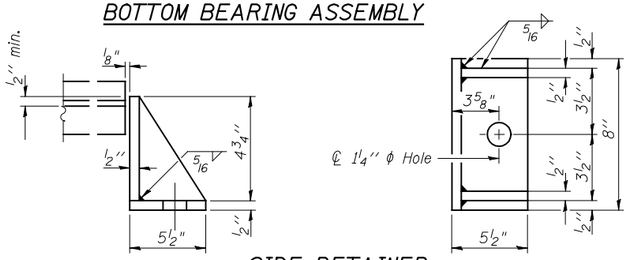


*1/8" PTFE dimpled, unlubricated



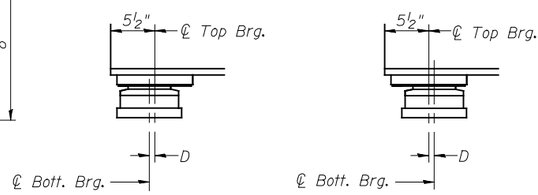
SECTION THRU PTFE

BOTTOM BEARING ASSEMBLY



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



SETTING ANCHOR BOLTS AT EXP. BRG.

D=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

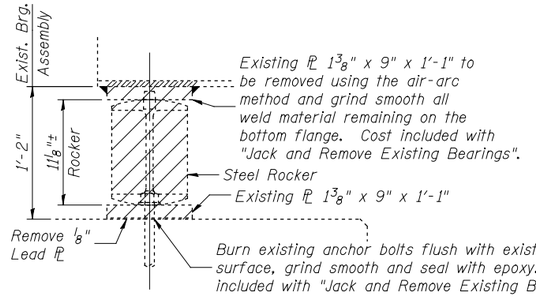
Anchor bolts for Type II bearings shall be placed in holes drilled in the concrete through holes in the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type II.

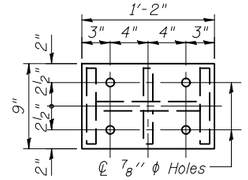
The 1/8" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

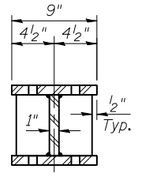


EXISTING BEARING REMOVAL

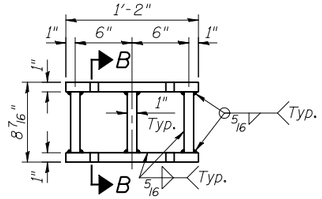
BEAM REACTION TABLE		
		E. Abut.
R (DL)	(K)	25.0
R (LL)	(K)	36.4
R (Imp)	(K)	10.5
R (Total)	(K)	71.9
Minimum Jack Capacity	(Tons)	40



PLAN - TOP & BOTTOM



SECTION B-B

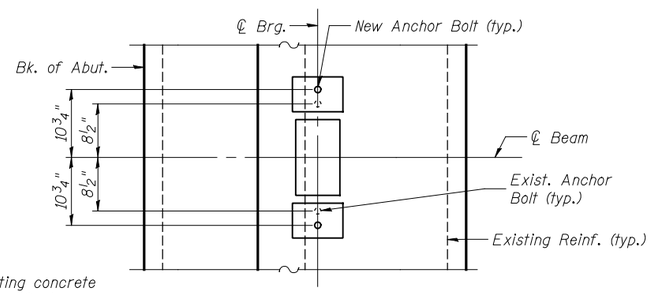


ELEVATION

STEEL EXTENSION

Notes:

See additional notes on sheet 8 of 10.



ANCHOR BOLT LAYOUT

BILL OF MATERIAL

Item	Unit	EB	WB
Jack and Remove Existing Bearings	Each	6	6
Elastomeric Bearing Assembly Type II	Each	6	6
Furnishing and Erecting Structural Steel	Pound	837	837
Anchor Bolts, 1"	Each	12	12

I-2E-2

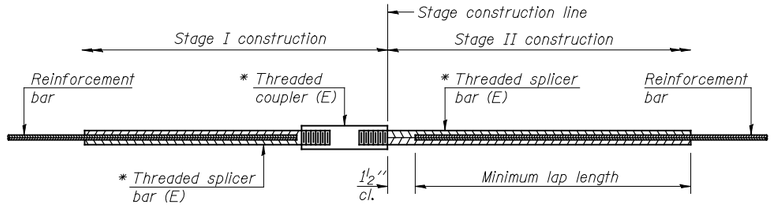
7-1-10 (Modified)

FILE NAME = ...\0840163-72C88-009-bearings2.dgn	USER NAME = DCD	DESIGNED - CMV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEARING DETAILS – EAST ABUTMENT STRUCTURE NO. 084-0163(EB) & 084-0164(WB)
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE =	DRAWN - P. Ray	REVISED -		SHEET NO. 9 OF 10 SHEETS
	PLOT DATE = 04/02/2013 15:19:01	CHECKED - CMV/DCD	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	86
	STA. 799+18.00	CONTRACT NO. 72C88		
	ILLINOIS FED. AID PROJECT			

FILE: JA\100\10204 IL-BEW*7 I-72 Illopolis\3-LongPointSlough\0840163-72C88-009-bearings2.dgn

SAVE DATE: 3/29/2013



STANDARD BAR SPLICER ASSEMBLY

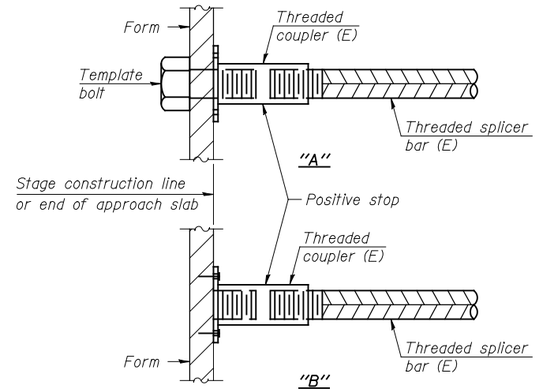
Minimum Lap Lengths						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"	6'-5"	6'-10"	7'-9"	8'-7"	9'-8"

Table 1: Black bar, 0.8 Class C
Table 2: Black bar, Top bar lap, 0.8 Class C
Table 3: Epoxy bar, 0.8 Class C
Table 4: Epoxy bar, Top bar lap, 0.8 Class C
Table 5: Epoxy bar, Class C
Table 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + 1½" + thread length

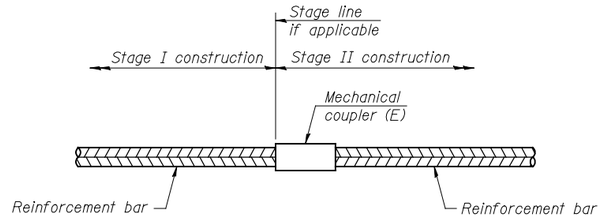
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Appr. Slab	#4	50 (EB) & 50 (WB)	3
Appr. Slab	#5	172 (EB) & 172 (WB)	3



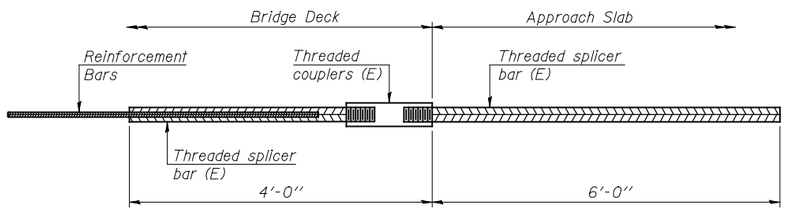
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



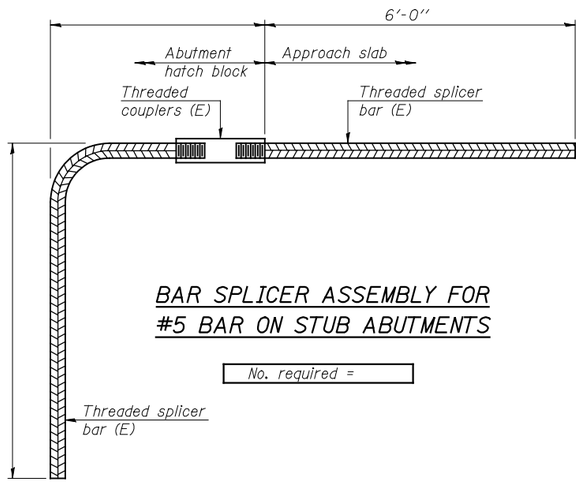
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

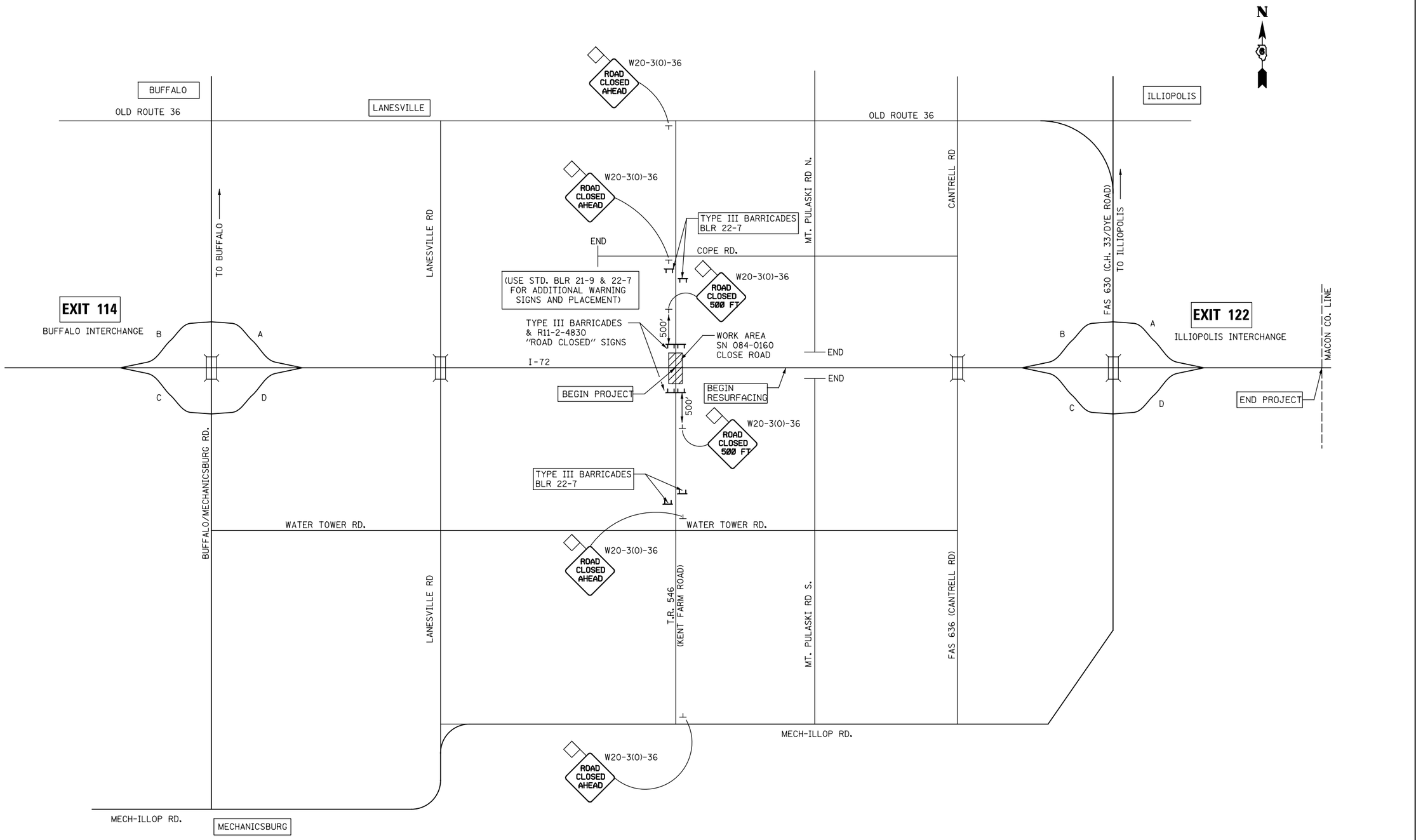
All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1 1-27-12

FILE NAME = ...\0840163-72C88-010-barsplicer.dgn	USER NAME = DCD	DESIGNED - CMV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 084-0163(EB) & 084-0164(WB)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - DCD	REVISED -			72	(84-10-3)RS-5	SANGAMON	95	87
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE =	DRAWN - P. Ray	REVISED -		SHEET NO. 10 OF 10 SHEETS		STA. 799+18.00	CONTRACT NO. 72C88		
	PLOT DATE = 04/02/2013 15:19:05	CHECKED - DCD	REVISED -				ILLINOIS	FED. AID PROJECT		



PART B - SHEET 60 of 67

FILE NAME = ...\CADD\D672C88-sht-details.dgn	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROAD CLOSURE DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 72C88	
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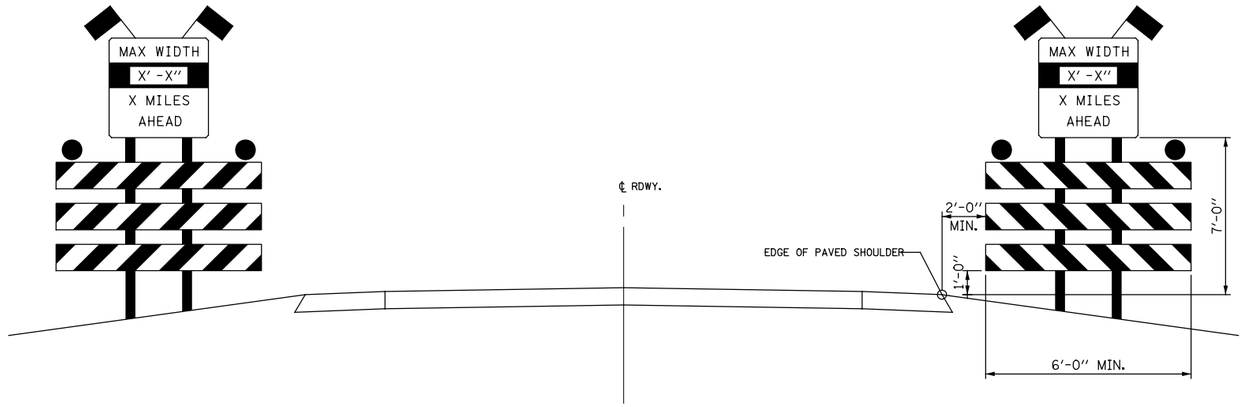
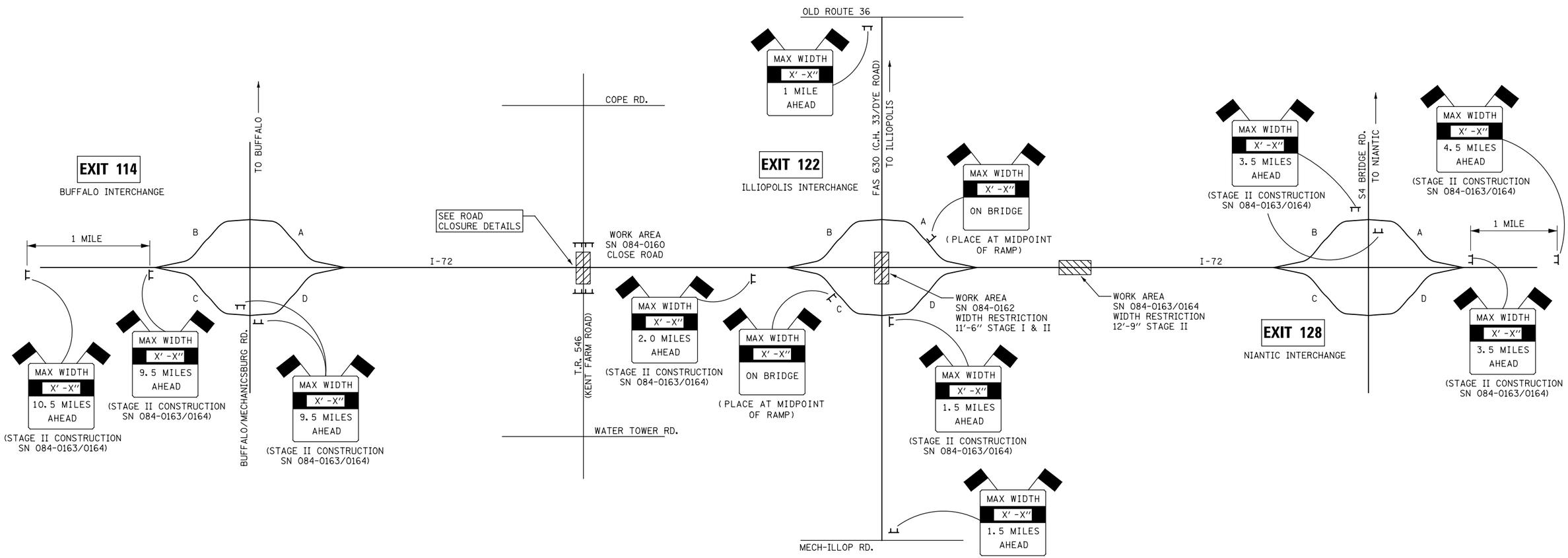


TYPICAL APPLICATION



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	PLOT DATE = 04/02/2013 09:41:53	DATE -	REVISED -

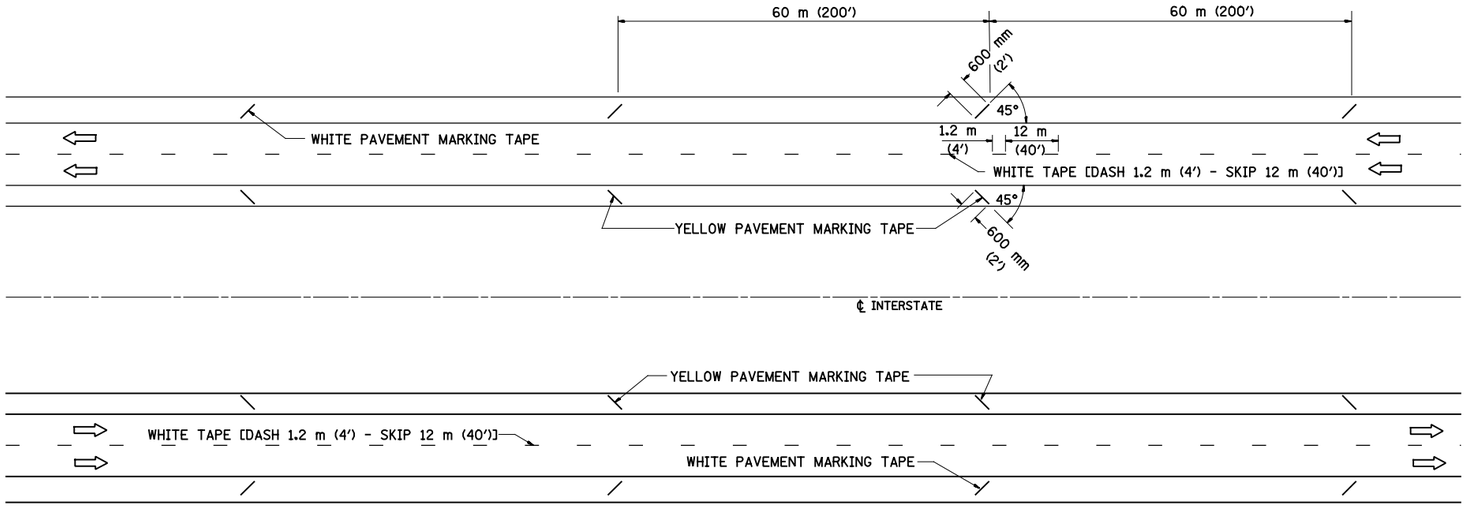
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

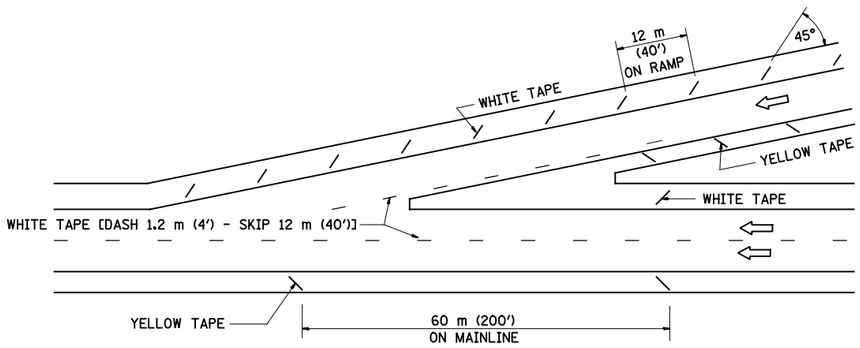
WIDTH RESTRICTION SIGNING DETAILS

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

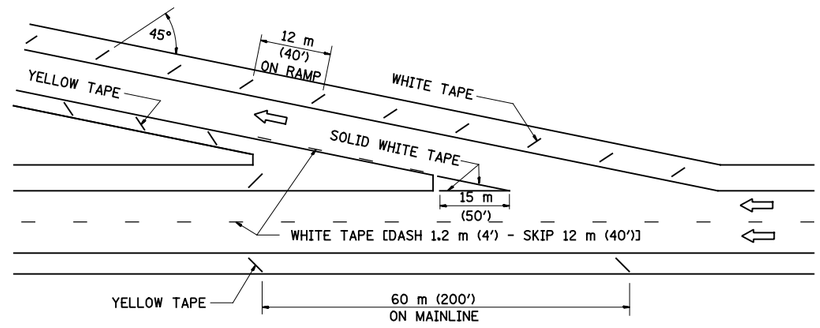
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	89
		CONTRACT NO. 72C88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL SHORT TERM PAVEMENT MARKING FOR INTERSTATE ROUTES





TYPICAL ENTRANCE TERMINAL



TYPICAL EXIT TERMINAL

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	PLOT DATE = 04/02/2013 09:42:21	DATE -	REVISED -

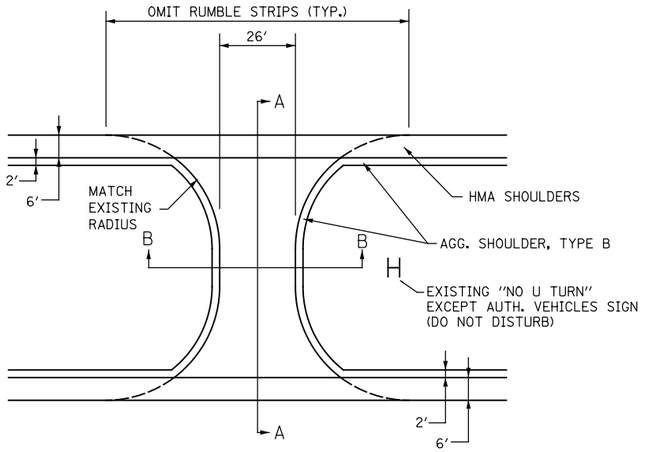
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

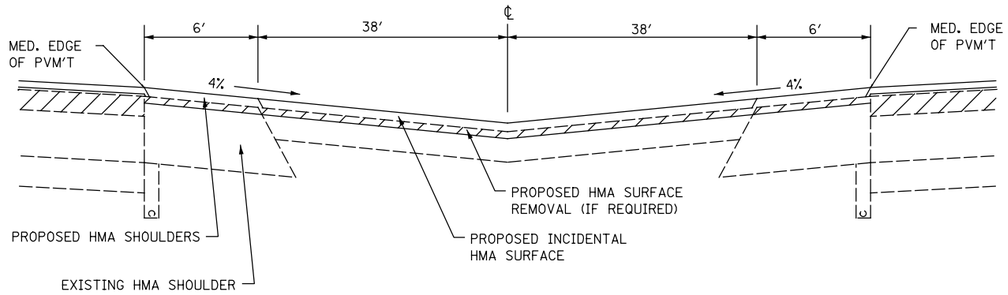
SHORT TERM PAVMENT MARKING FOR INTERSTATE ROUTES

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

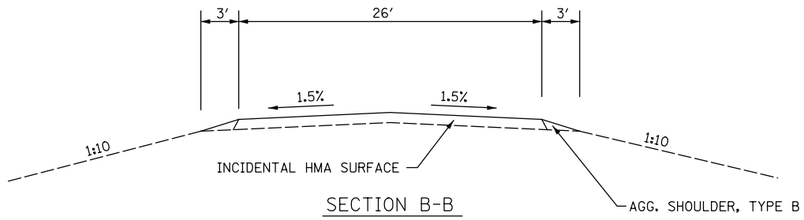
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	90
		CONTRACT NO. 72C88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MEDIAN CROSS–OVER DETAIL





SECTION A-A

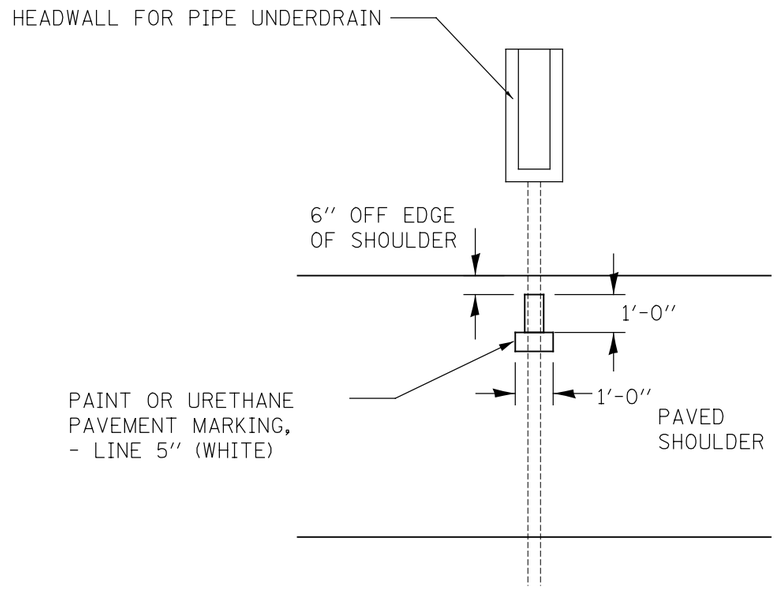


SECTION B-B

LOCATION

(I-72)	PROP. HMA SURF. REM.	PROP. INCIDENTAL HMA THICKNESS
STA. 685+70	1″	3 3/4″
STA. 761+50	1″	3 3/4″

TYPICAL PIPE UNDERDRAIN MARKER DETAIL



OUTLET MARKERS SHALL BE PLACED ON FINAL SHOULDER

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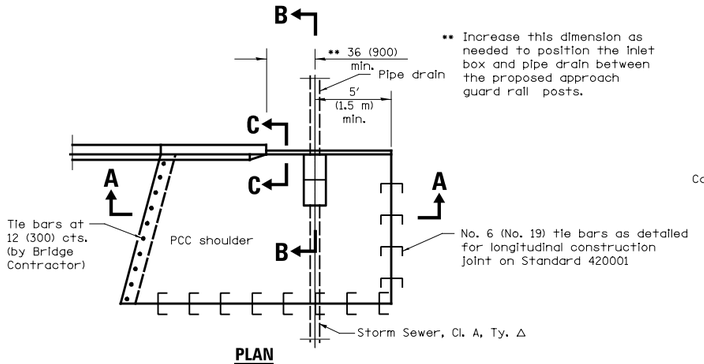
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:42:51	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MEDIAN CROSSOVER DETAILS & TYPICAL PIPE UNDERDRAIN MARKER DETAIL

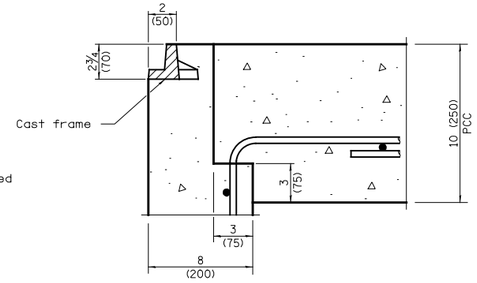
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	91
		CONTRACT NO. 72C88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

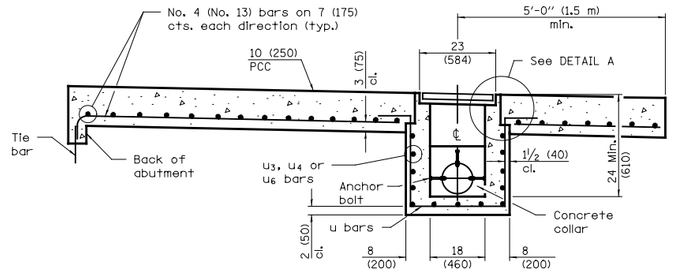


** Increase this dimension as needed to position the inlet box and pipe drain between the proposed approach guard rail posts.

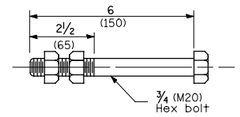
PLAN
(With Wingwall)



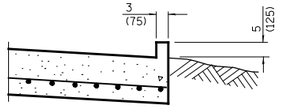
DETAIL A



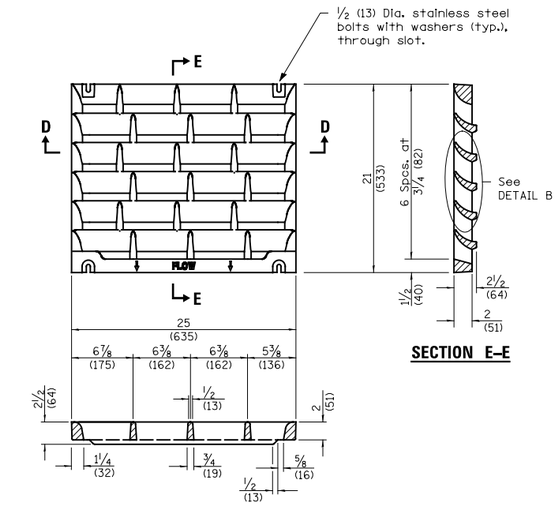
SEC. A–A



ANCHOR BOLT
(Used to tie pipe to concrete collar)



SEC. C–C

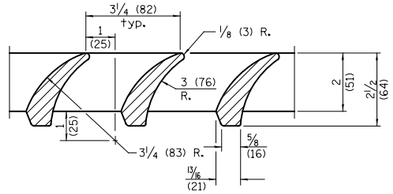


SECTION D–D

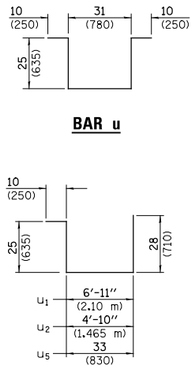
SECTION E–E

DETAIL OF CAST GRATE

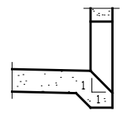
Type B requires 1 grate
Type C requires 2 grates
Type D requires 3 grates



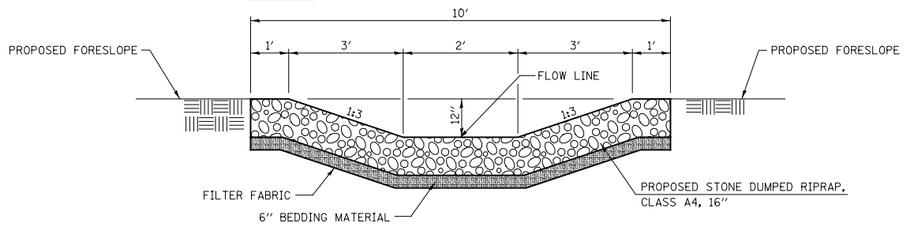
DETAIL B



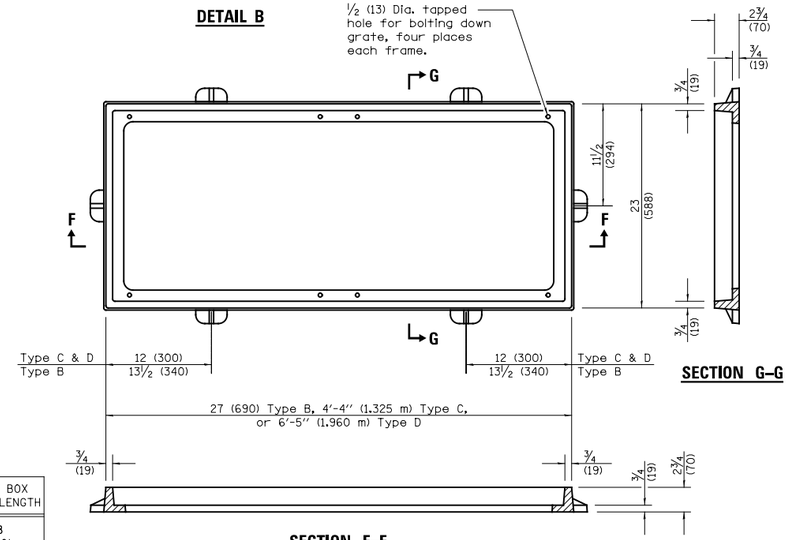
SEC. B–B



BOX OUTLET WHEN PRECAST



SEC. H–H



SECTION G–G

SECTION F–F

INLET TYPE	SHOULDER WIDTH	0-0 GRATING FRAME	INLET BOX INSIDE WIDTH	INLET BOX INSIDE LENGTH
Type B	Less than 5′ (1.5 m)	2′-3″ (0.690 m)	1′-10″ (0.560 m)	18 (460)
Type C	5′ (1.5 m) - 6′ (1.8 m)	4′-4″ (1.325 m)	3′-11″ (1.195 m)	18 (460)
Type D	Greater than 6′ (1.8 m)	6′-5″ (1.960 m)	6′-0″ (1.830 m)	18 (460)

DETAIL OF CAST FRAME
(Type C shown)

GENERAL NOTES

All exposed edges of the inlet, except the upper perimeter, shall be beveled ¾(20).

For placement of drainage elements on existing construction with existing rigid pavement, substitute expansion anchor ties for the tie bars. For non-rigid pavements or monolithic construction of pcc shoulder, omit tie bars.

The cost of PCC shoulder and concrete shoulder curb shall be included in the cost of Type B, C or D Inlet Box, Standard 609001 (SPECIAL).

The lengths of reinforcement bars used in the portland cement concrete shoulder shall be such as to accommodate the lengths, widths, and spacing shown on the plans.

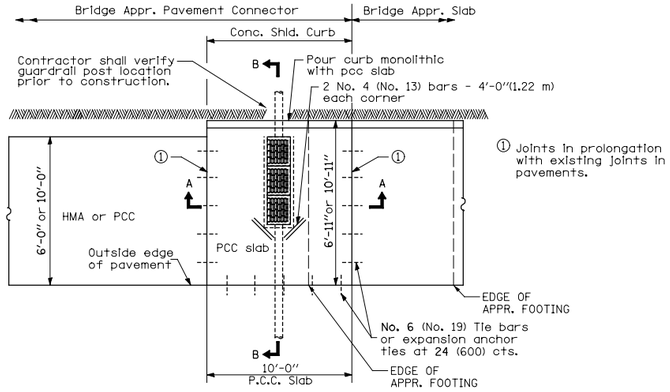
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = ...\CADD\D672C88-sht-details.dgn	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -	
	PLOT SCALE = 100.0000 ′ / in.	CHECKED -	REVISED -	
	PLOT DATE = 04/02/2013 09:43:28	DATE -	REVISED -	

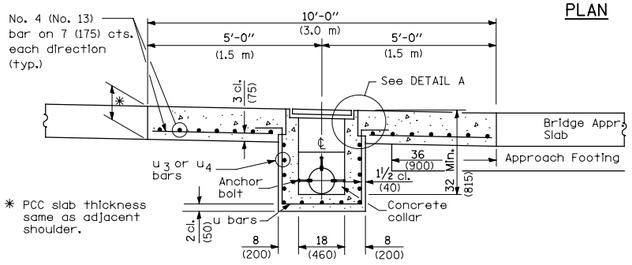
SHOULDER INLET (TYPE B,C OR D) W/CURB DETAIL

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

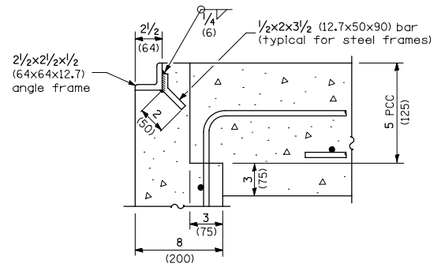
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	92
		CONTRACT NO. 72C88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



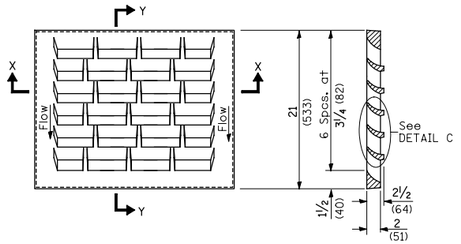
PLAN



SEC. A-A



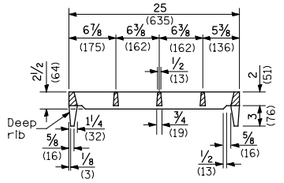
DETAIL A



DETAIL OF CAST GRATE

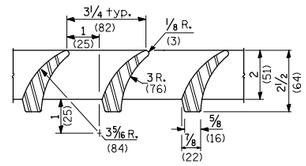
Type E requires 2 grates
Type F requires 3 grates

SECTION Y-Y



SECTION X-X

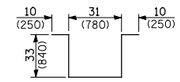
(Deep rib shall be omitted for end(s) resting on frame perimeter)



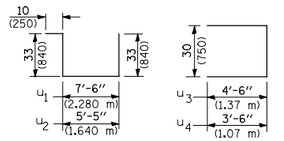
DETAIL C

INLET BOX

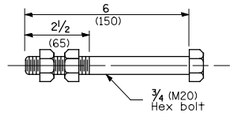
INLET TYPE	SHOULDER WIDTH	O-O GRATING FRAME	INLET BOX INSIDE WIDTH	INLET BOX INSIDE LENGTH
Type E	6' (1.8 m)	4'-4" (1.325 m)	3'-11" (1.195 m)	18 (460)
Type F	10' (3.0 m)	6'-5" (1.960 m)	6'-0" (1.830 m)	18 (460)



BAR u

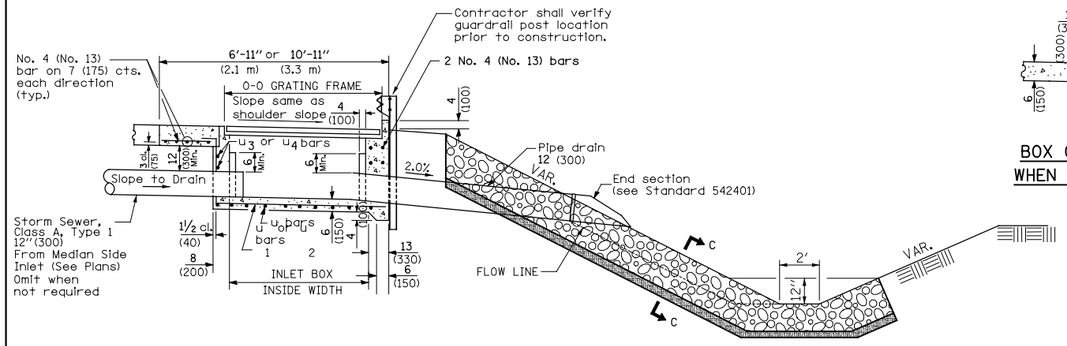


BARS u_1,u_2 BARS u_3,u_4

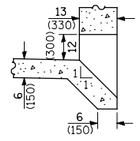


ANCHOR BOLT

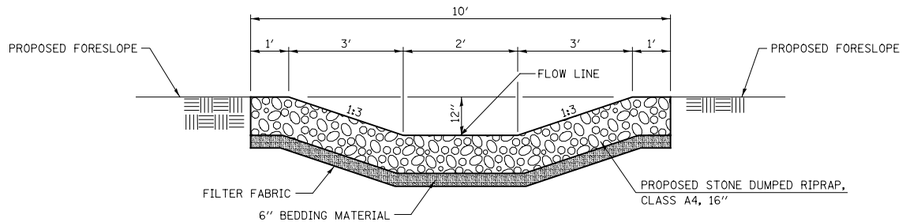
(Used to tie pipe to concrete collar)



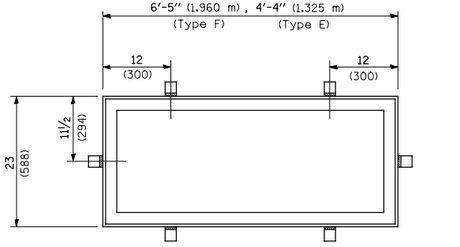
SEC. B-B



BOX OUTLET WHEN PRECAST

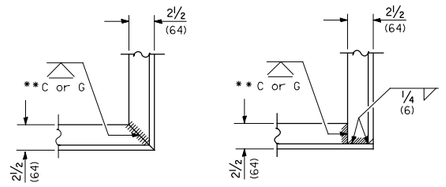


SEC. C-C



DETAIL OF STEEL FRAME

Cast frame to have same basic dimensions.



ALT. 1 ALT. 2

TYPICAL CORNER of STEEL GRATING FRAME

** Cut or Grind flush

GENERAL NOTES

See Standard 420001 for joint details not shown.

All exposed edges of the inlet, except the upper perimeter, shall be beveled ¾(20).

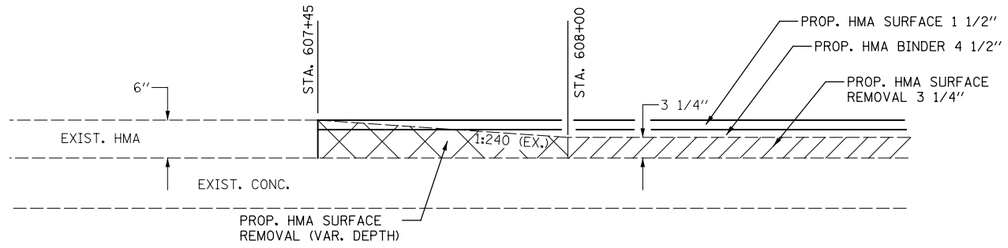
For placement of drainage elements on existing construction with existing rigid pavement, substitute expansion anchor ties for the tie bars. For non-rigid pavements or monolithic construction of pcc slab and shoulder, omit tie bars.

The cost of PCC slab and concrete shoulder curb shall be included in the cost of Type E or F Inlet Box, Standard 610001 (SPECIAL).

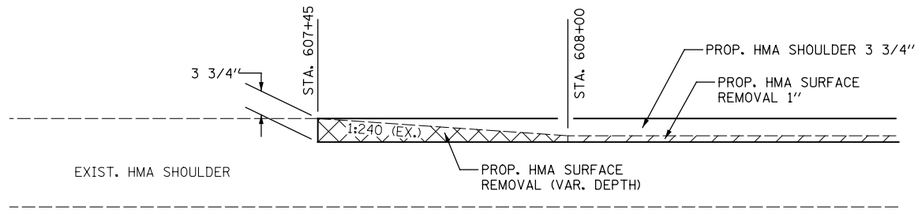
The lengths of reinforcement bars used in the portland cement concrete slab shall be such as to accommodate the lengths, widths, and spacing shown on the plans.

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

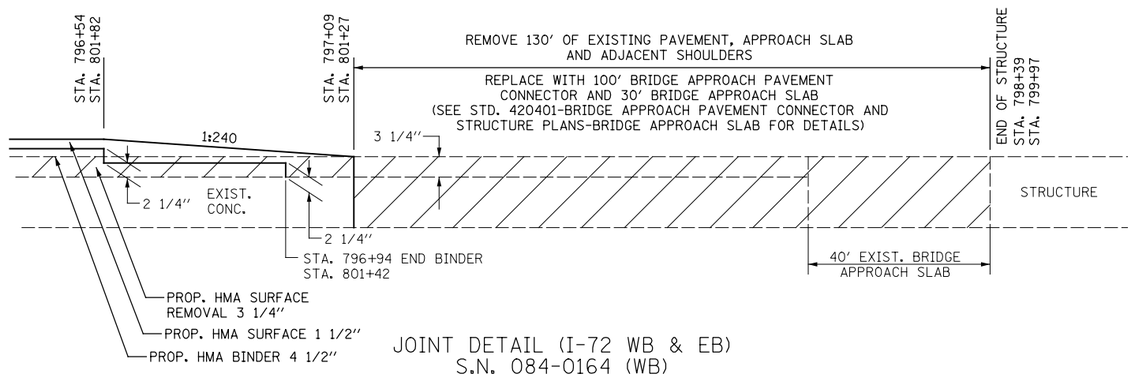
FILE NAME = ...\CADD\D672C88-sht-details.dgn	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHOULDER INLET (TYPE E OR F) W/CURB DETAIL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -			72	(84-10-3)RS-5	SANGAMON	95	93
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 72C88		
	PLOT DATE = 04/02/2013 09:43:49	DATE -	REVISED -		SCALE: NO SCALE SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



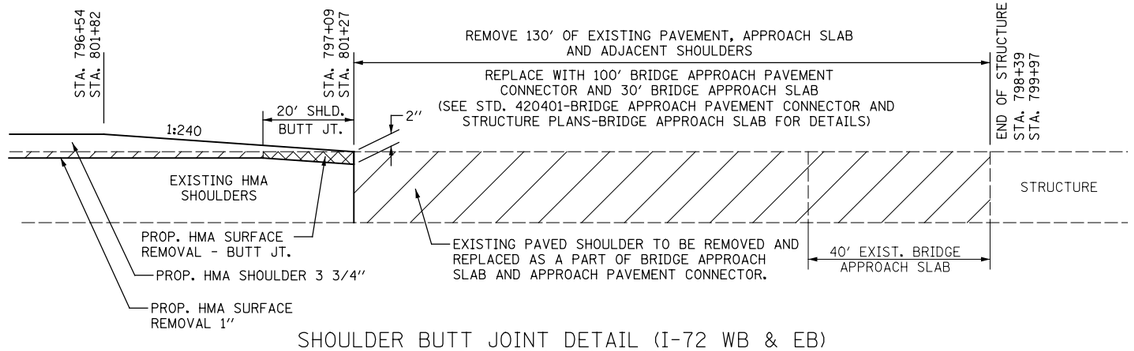
PAVEMENT JOINT DETAIL (I-72 WB & EB)



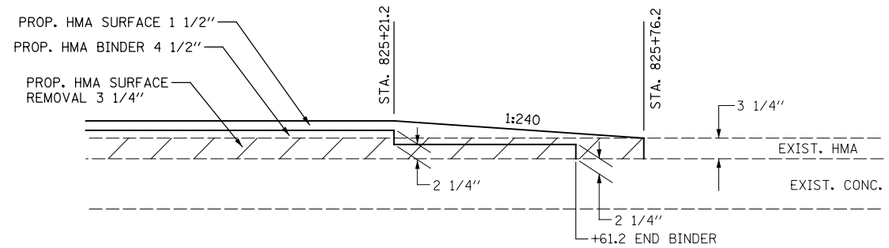
SHOULDER BUTT JOINT DETAIL (I-72 WB & EB)



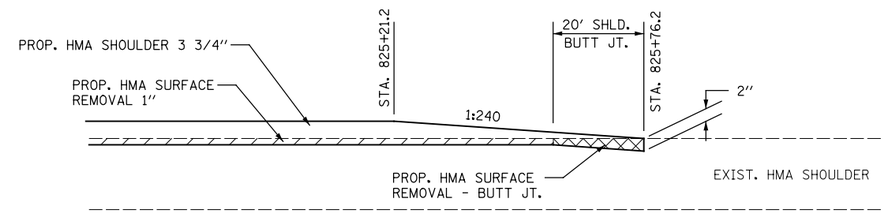
JOINT DETAIL (I-72 WB & EB)
S.N. 084-0164 (WB)
S.N. 084-0163 (EB)



SHOULDER BUTT JOINT DETAIL (I-72 WB & EB)
S.N. 084-0164 (WB)
S.N. 084-0163 (EB)



JOINT DETAIL (I-72 WB & EB)



SHOULDER BUTT JOINT DETAIL (I-72 WB & EB)

FILE NAME = ...\CADD\D672C88-sht-details.dgn	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT & SHOULDER JOINT DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -			72	(84-10-3)RS-5	SANGAMON	95	94
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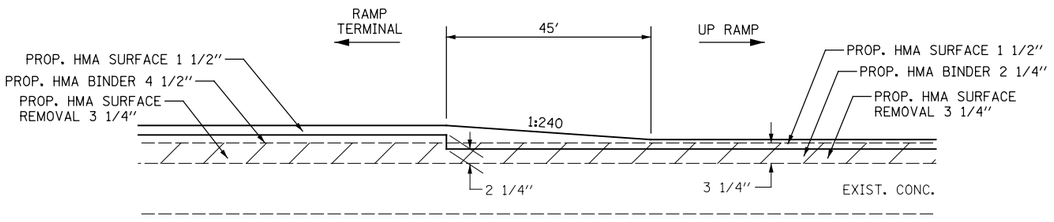
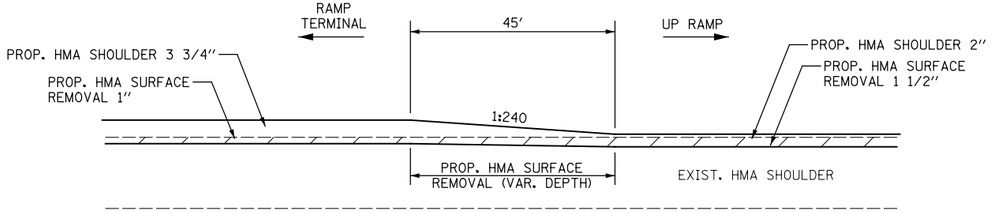


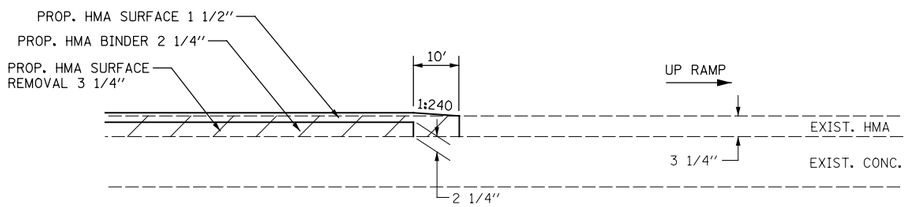
RAMP PAVEMENT PROFILE TRANSITION

STA. 106+62.4 TO STA. 107+07.4 RAMP A
STA. 211+93 TO STA. 211+48 RAMP B
STA. 306+62.4 TO STA. 307+07.4 RAMP C
STA. 413+54.5 TO STA. 413+09.5 RAMP D



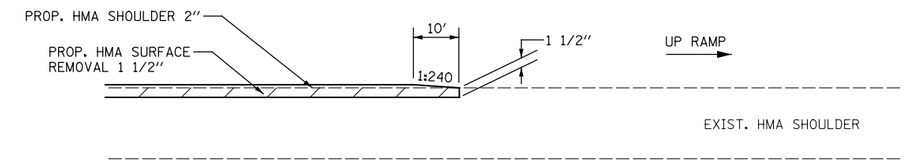
RAMP SHOULDER PROFILE TRANSITION

STA. 106+62.4 TO STA. 107+07.4 RAMP A
STA. 211+93 TO STA. 211+48 RAMP B
STA. 306+62.4 TO STA. 307+07.4 RAMP C
STA. 413+54.5 TO STA. 413+09.5 RAMP D



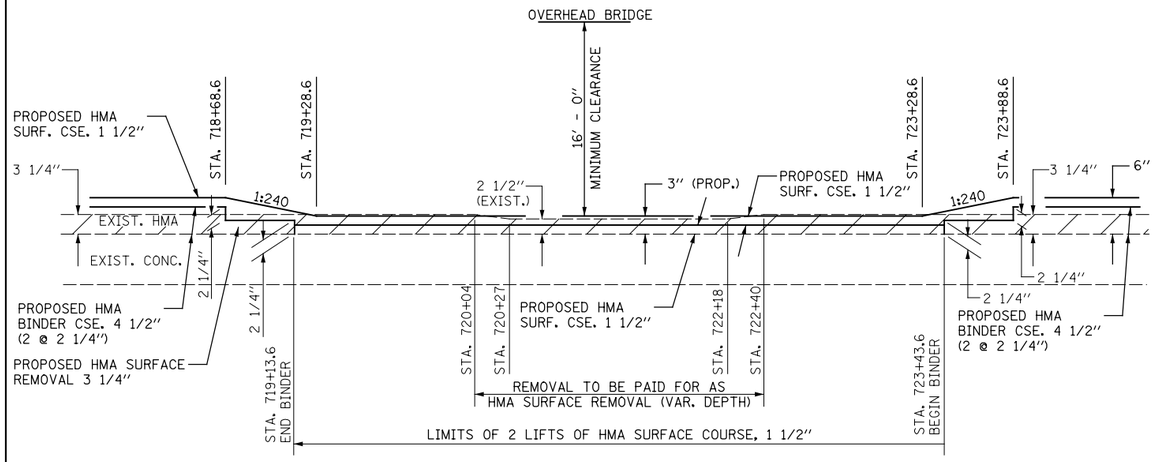
JOINT DETAIL (RAMPS)

STA. 118+18.6 TO STA. 118+08.6 RAMP A
STA. 201+30.7 TO STA. 201+40.7 RAMP B
STA. 319+67.5 TO STA. 319+57.5 RAMP C
STA. 401+16.3 TO STA. 401+26.3 RAMP D

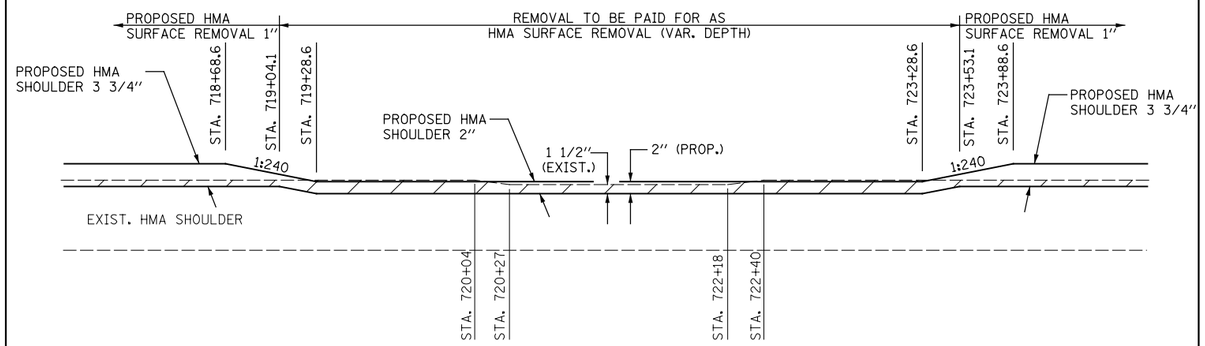


SHOULDER JOINT DETAIL (RAMPS)

STA. 118+18.6 TO STA. 118+08.6 RAMP A
STA. 201+30.7 TO STA. 201+40.7 RAMP B
STA. 319+67.5 TO STA. 319+57.5 RAMP C
STA. 401+16.3 TO STA. 401+26.3 RAMP D



MAINLINE PAVING TRANSITION DETAIL (FAI 72 WB & EB)
@ SN 084-0162
FAS 630 (C.H. 33/DYE RD.)



SHOULDER PAVING TRANSITION DETAIL (FAI 72 WB & EB)
@ SN 084-0162
FAS 630 (C.H. 33/DYE RD.)

FILE NAME = ...\CADD\D672C88-sht-details.dgn	USER NAME =	DESIGNED -	REVISED -
Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 04/02/2013 09:44:39	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP PAVEMENT/SHOULDER JOINT & TRANSITION DETAILS
FAS 630 (C.H. 33/DYE RD.) PAVEMENT/SHOULDER TRANSITION DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-3)RS-5	SANGAMON	95	95
		CONTRACT NO. 72C88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		