

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		ILLINOIS	48	1
		CONTRACT NO. 72A16		
*86-10RS-3, 69-6RS-2, 69-1RS				
** SCOTT/MORGAN				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

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

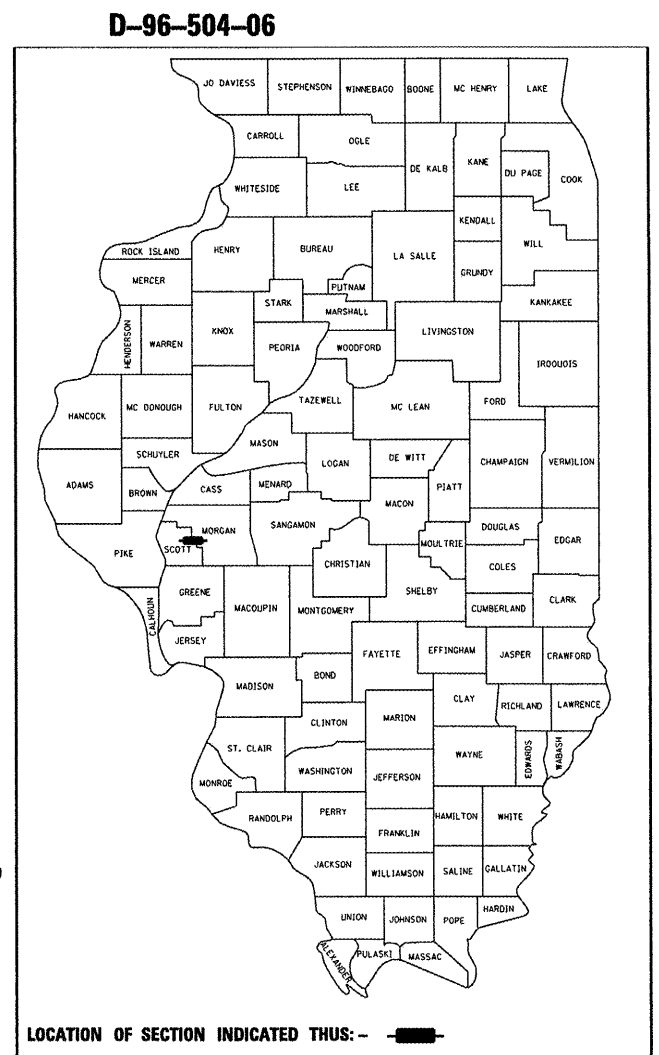
James Paul Biggers
JAMES PAUL BIGGERS, P.E.
DATE 4/2/10
LICENSE EXPIRES 11/30/11

PLANS PREPARED BY:

JD **JOHNSON, DEPP & QUISENBERRY**
CONSULTING ENGINEERS
6450 South Sixth Street Road, Suite B Springfield, Illinois 62712
Phone: (217) 529-4534 Fax: (217) 529-2788

FAI ROUTE 72 (I-72) & FAP ROUTE 310 (BL-72/US 67)
SECTION 86-10RS-3, 69-6RS-2, 69-1RS

SCOTT & MORGAN COUNTY
RESURFACING, BRIDGE REHABILITATION



BRIDGE RESURFACING OMISSION
WBL STA. 199+17.81 TO STA. 210+33.78
EBL STA. 198+64.60 TO STA. 200+82.53
S.N. 086-0023/24 - STA. 200+00.00

S.N. 086-0028
STA. 143+90.97
(NO WORK)

S.N. 086-7004
STA. 125+50.00
(NO WORK)

C-96-104-09
CO. LINE
STA. 262+29.22

END CONSTRUCTION
SECTION 69-1(RS)
NBL STA. 453+98.00
SBL STA. 449+60.00

S.N. 069-7011
STA. 444+00.00
(NO WORK)

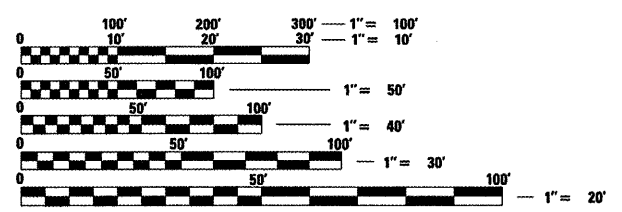
S.N. 069-0079
STA. 403+59.53
(NO WORK)

BEGIN PROJECT
SECTION 86-10(RS-3)
WBL STA. 107+16.06
EBL STA. 106+86.47

PRINCIPAL ARTERIAL (INTERSTATE)
F.A.I. 72
ADT (2009) = 6,200
PV = 67.1% SU = 19.7% MU = 13.2%
DESIGN SPEED = 70 MPH

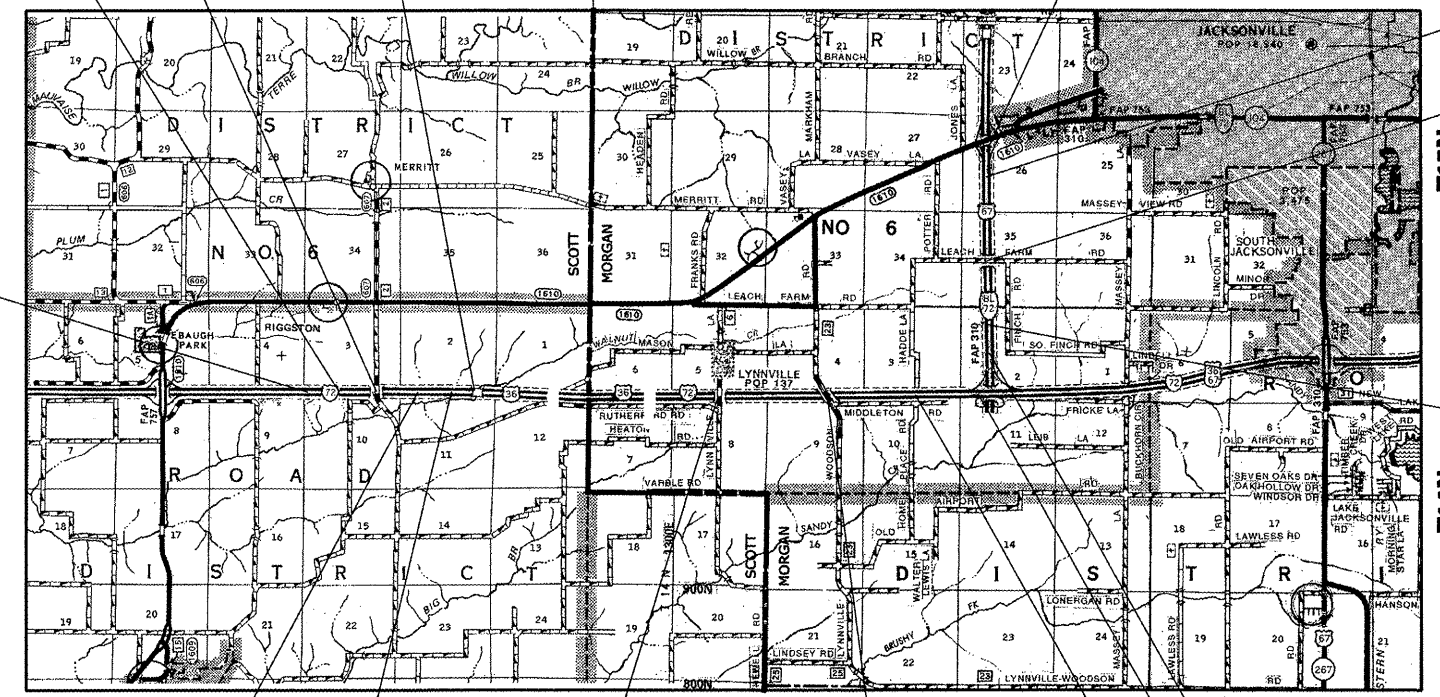
OTHER PRINCIPAL ARTERIAL
BL-72/US 67
ADT (2009) = 5,000
PV = 76.9% SU = 15.9% MU = 7.2%
DESIGN SPEED = 70 MPH

BEGIN CONSTRUCTION
SECTION 69-1(RS)
SBL STA. 372+50.00



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

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



S.N. 086-7005
STA. 165+60.00

S.N. 086-7006
STA. 186+80.00

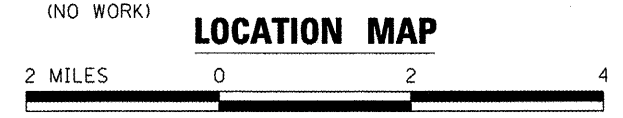
S.N. 069-0053
STA. 334+91.02
(NO WORK)

S.N. 069-0054
STA. 394+00.00

BEGIN CONSTRUCTION
SECTION 69-1(RS)
NBL STA. 356+25.00

END PROJECT
SECTION 69-6(RS-2)
WBL STA. 22+74.37
EBL STA. 26+47.25

STATION EQUATION
PI STA. 443+19.48 BK=
PI STA. 10+03.94 AH



(BL-72/US67) - NB= 9,773' (1.851mi), SB= 7,710' (1.460mi)
(FAI 72)
NET LENGTH OF PROJECT - WB= 34,657.88' (6.564mi)
- EB= 35,058.39' (6.640mi)
TOTAL OVERALL LENGTH OF PROJECT - 35,276.32 (6.681mi)

PROJECT ENGINEER: JOHN NEGANGARD (217) 782-4760
PROJECT MANAGER: VICTOR YOUNG (217) 557-7897

CONTRACT NO. 72A16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 6 2010
Raymond Dukes
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 2010
Scott E. Stitt, P.E.
ACTING ENGINEER OF DESIGN AND ENVIRONMENT

May 7 2010
Christine M. Deed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

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35-42	STRUCTURAL DETAILS
43-48	MISCELLANEOUS DETAILS

GENERAL NOTES

- THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
- 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.
- "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.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION	I-72 & US 67	I-72 & US 67	I-72	I-72 (2") & US 67 (1 1/2")	US 67 (2 1/4")	I-72 & US 67
MIXTURE USE	POLYMER HMA SURFACE COURSE	POLYMER HMA BINDER COURSE	HMA BASE COURSE	HMA SHOULDER (TOP LIFT)	HMA SHOULDER (BOTTOM LIFT)	INCIDENTAL SURFACE
PG	SBS PG 70-22	SBS PG 70-22	PG 64-22	PG 64-22	PG 58-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N DESIGN = 90	4.0% @ N DESIGN = 90	4.0% @ N DESIGN = 90	4.0% @ N DESIGN = 50	2.0% @ N DESIGN = 30	4.0% @ N DESIGN = 50
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 19.0	IL 19.0	IL 9.5 OR 12.5	BAM	IL 9.5 OR 12.5
FRICITION AGGREGATE	MIX "D"	N/A	N/A	MIX "C"	N/A	MIX "C"

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).

- THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
- THIS PROJECT CONTAINS ONE STATION EQUATION: PI STA. 443+19.48 BK= PI STA. 10+03.94 AH (I-72)
- ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.
- THE NEW HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE SAME SUPERELEVATION RATES AS THE EXISTING PAVEMENT AS SHOWN IN THESE PLANS.
- ALL TEMPORARY PAVEMENT MARKING WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 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.

11. 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	TON / SQ YD (PAVEMENT) OR
	0.001425	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

- ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
- 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 PERSONAL. BOTH SHOULD BE CONSIDERED APPROXIMATE.
- 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.

HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
442001-04	CLASS A PATCHES
630001-08	STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-06	TRAFFIC BARRIER TERMINAL, TYPE 2
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
642001-01	SHOULDER RUMBLE STRIPS
701101-02	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
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701400-04	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-05	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-07	LANE CLOSURE, FREEWAY/EXPRESSWAY WITH BARRIER
701406-05	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-06	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
704001-06	TEMPORARY CONCRETE BARRIER
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

COMMITMENTS

- 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 DESIGN AND TO ALLOW IMPROVEMENT IN THE DESIGN FOR FUTURE PROJECTS.
- INFORMATIONAL LETTER TO JACKSONVILLE.

DISTRICT SIX	
EXAMINED <u>APR 1</u> 20 <u>10</u>	
OPERATIONS ENGINEER	
EXAMINED <u>MARCH 25</u> 20 <u>10</u>	
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED <u>April 6</u> 20 <u>10</u>	
PROGRAM DEVELOPMENT ENGINEER	

• 86-10RS-3, 69-6RS-2, 69-IRS
•• SCOTT, MORGAN

FILE NAME = ...D672C16-shr-gennote.dgn	USER NAME = SJS	DESIGNED - DRAWN -	REVISED - REVISED -
JD Johnson, Depp & Oulsenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 100.0000' / IN. PLOT DATE = 04/02/2010 08:48:41	CHECKED - DATE -	REVISED - 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			48	2
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 72A16	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	100%	I-72			SCOTT	SCOTT	MORGAN			
			STATE	SCOTT CO.	MORGAN CO.	MORGAN CO.	STRUCTURE	STRUCTURE	STRUCTURE			
			TOTAL	FAI 72 (I-72)	FAI 72 (I-72)	BL-72/US 67	SN 086-0023	SN 086-0024	SN 069-0054			
			QUANTITY	ROADWAY	ROADWAY	ROADWAY	SFTY-2A	SFTY-2A	SFTY-2A			
			1000	1000	1000	1000						
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	264	264								
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	525	525								
28200200	FILTER FABRIC	SQ YD	300	300								
35501332	HOT-MIX ASPHALT BASE COURSE, 12"	SQ YD	2127	2127								
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	148.2	51.7	66	30.5						
40600300	AGGREGATE (PRIME COAT)	TON	782	273	348	161						
40600895	CONSTRUCTING TEST STRIP	EACH	2	1		1						
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL-BUTT JOINT	SQ YD	280			280						
40600990	TEMPORARY RAMP	SQ YD	240	120	40	80						
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	29678	10423	13305	5950						
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	19634	6895	8802	3937						
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	370	46	46	278						
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	87230	47810	39420							
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	37517	7033	30484							
44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	129634	71109	58525							
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	56276	10549	45727							
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	15596			15596						
44004250	PAVED SHOULDER REMOVAL	SQ YD	2127	2127								
44200529	CLASS A PATCHES, TYPE II, 8 INCH	SQ YD	38.7			38.7						
44200533	CLASS A PATCHES, TYPE III, 8 INCH	SQ YD	16			16						
44200535	CLASS A PATCHES, TYPE IV, 8 INCH	SQ YD	53.3			53.3						
44200577	CLASS A PATCHES, TYPE II, 12 INCH	SQ YD	370.2	266.8	103.4							
44200581	CLASS A PATCHES, TYPE III, 12 INCH	SQ YD	137.4	62.7	74.7							
44200583	CLASS A PATCHES, TYPE IV, 12 INCH	SQ YD	320	97.3	222.7							
44212899	PAVEMENT PATCHING (FULL DEPTH)	SQ YD	150			150						
44212900	PAVEMENT PATCHING (PARTIAL DEPTH)	SQ YD	800			800						
44213000	PATCHING REINFORCEMENT	SQ YD	861.5	373.4	380.1	108						
44213200	SAW CUTS	FOOT	3836	2048	1386	402						
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1677	372	475	830						
48203100	HOT-MIX ASPHALT SHOULDERS	TON	20970	6109	7799	7062						

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	PLOT DATE = Apr-06-2010 09:56:16AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

* 86-10RS-3, 69-6RS-2, 69-1RS		SHEET NO. 1 OF 3	
** SCOTT, MORGAN			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
72	.	**	48
		SHEET NO. 3	
CONTRACT NO. 72A16			
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	100%	I-72			SCOTT I-72		MORGAN I-72				
			STATE	SCOTT CO. FAI 72 (I-72) ROADWAY 1000	MORGAN CO. FAI 72 (I-72) ROADWAY 1000	MORGAN CO. BL-72/US 67 ROADWAY 1000	STRUCTURE SN 086-0023 SFTY-2A	STRUCTURE SN 086-0024 SFTY-2A	STRUCTURE SN 069-0054 SFTY-2A				
50102400	CONCRETE REMOVAL	CU YD	25.2				12.6	12.6					
50300255	CONCRETE SUPERSTRUCTURE	CU YD	25.2				12.6	12.6					
50300300	PROTECTIVE COAT	SQ YD	66				33	33					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	4100				2050	2050					
50800515	BAR SPLICERS	EACH	56				28	28					
52000110	PREFORMED JOINT STRIP SEAL	FOOT	180				90	90					
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	1200			1200							
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4			4							
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4			4							
64200105	SHOULDER RUMBLE STRIP	FOOT	174306	61244	78186	34876							
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	16	16									
67100100	MOBILIZATION	L SUM	1	0.34	0.33	0.33							
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2	2									
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	3		2	1							
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.34	0.33	0.33							
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	0.34	0.33	0.33							
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	0.34	0.33	0.33							
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	39	17	19	3							
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	6	2	2	2							
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	27684	10450	13362	3872							
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	197162	69867	87959	39336							
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3508	1230	1573	705							
70400100	TEMPORARY CONCRETE BARRIER	FOOT	650	650									
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	650	650									
* 78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	21798	7655	9773	4370							
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1308	383	489	436							
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	18			18							
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	52	52									
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4			4							
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1435	1435									
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1308	383	489	436							

* SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	100%	I-72			SCOTT	SCOTT	MORGAN				
			STATE	SCOTT CO.	MORGAN CO.	MORGAN CO.	I-72	I-72	I-72				
			TOTAL QUANTITY	FAI 72 (I-72) ROADWAY 1000	FAI 72 (I-72) ROADWAY 1000	BL-72/US 67 ROADWAY 1000	STRUCTURE SN 086-0023 SFTY-2A	STRUCTURE SN 086-0024 SFTY-2A	STRUCTURE SN 069-0054 SFTY-2A				
X0320157	CLEANING UNDERDRAIN OUTLETS	EACH	360	124	158	78							
X0322279	OUTLET MARKER	EACH	360	124	158	78							
X0322729	MATERIAL TRANSFER DEVICE	TON	49312	17318	22107	9887							
X0323077	SILICONE JOINT SEALER, 2 3/4"	FOOT	68						68				
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH <= 5 INCHES)	SQ FT	9					9					
X0325739	HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)	SQ YD	1000			1000							
X0350800	BOLLARDS	EACH	126	50	46	30							
X0350810	BOLLARD REMOVAL	EACH	59	26	33								
X2503000	MAINTENANCE MOWING	ACRE	131	47	55	29							
X7030072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	174398	61246	78186	34966							
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	0.5	0.5								
* X7800620	URETHANE PAVEMENT MARKING - LINE 5"	FOOT	175364	62212	78186	34966							
Z0030240	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2									
Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	2	2									
Z0075310	TIE BARS 3/4"	EACH	135	35	81	19							

* SPECIALTY ITEM

• 86-10RS-3, 69-6RS-2, 69-1RS
 ** SCOTT, MORGAN

SHEET NO. 3 OF 3

FILE NAME: \\pwwork\pwwid\DOT\LAUGHLIN\RL\dms24453\672A16-shr-500.DGN	USER NAME: * laughlinr1	DESIGNED: -	REVISED: -
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	PLOT DATE = Apr-06-2010 09:56:48AM	CHECKED: -	REVISED: -
		DATE: -	REVISED: -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	.	**	48	5
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 72A16	

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

LOCATION	UNIT
FAI-72 (SCOTT COUNTY)	
STA. 165+00 RT. 115'	10
STA. 186+00 RT. 120'	6
STA. 186+00 RT. 120'	6
STA. 186+00 RT. 120'	6
STA. 186+00 RT. 120'	8
STA. 186+00 RT. 120'	8
STA. 186+00 RT. 120'	8
STA. 186+00 RT. 120'	8
STA. 186+00 RT. 120'	10
STA. 186+15 RT. 130'	15
STA. 186+15 RT. 130'	15
STA. 187+40 LT. 130'	6
STA. 187+40 LT. 130'	6
STA. 187+40 LT. 130'	6
STA. 187+40 LT. 130'	6
STA. 187+45 LT. 140'	6
STA. 187+45 LT. 140'	6
STA. 187+45 LT. 140'	6
STA. 187+45 LT. 140'	6
STA. 187+50 LT. 150'	6
STA. 187+50 LT. 150'	6
STA. 187+50 LT. 150'	6
STA. 187+50 LT. 150'	6
STA. 187+50 LT. 150'	6
STA. 187+53 LT. 135'	6
STA. 187+53 LT. 135'	6
STA. 187+53 LT. 135'	6
STA. 187+55 LT. 130'	8
STA. 187+55 LT. 130'	8
STA. 187+65 LT. 130'	8
STA. 187+65 LT. 130'	12
STA. 187+65 LT. 130'	12
STA. 187+65 LT. 135'	8
STA. 187+65 LT. 140'	6

TOTAL = 264

STONE DUMPED RIPRAP, CLASS A4

FILTER FABRIC

LOCATION	RIPRAP TON	RECOMMENDED DEPTH	FABRIC SQ YD
FAI-72 (SCOTT COUNTY)			
RT. STA. 65+60 (SN 086-7005)	233	4'	100
RT. STA. 86+00 (SN 086-7006)	175	3'	100
LT. STA. 87+50 (SN 086-7006)	117	2'	100
TOTAL	525		300

HOT-MIX ASPHALT BASE COURSE, 12''

LOCATION	SIDE	SQ YD
FAI-72 (SCOTT COUNTY)		
RT. STA. 195+82 TO RT. STA. 199+10	OUTSIDE	364
RT. STA. 195+84 TO RT. STA. 199+25	INSIDE	227
LT. STA. 197+07 TO LT. STA. 199+64	INSIDE	171
LT. STA. 197+10 TO LT. STA. 199+79	OUTSIDE	299
RT. STA. 200+21 TO RT. STA. 202+91	OUTSIDE	300
RT. STA. 200+36 TO RT. STA. 202+99	INSIDE	175
LT. STA. 200+74 TO LT. STA. 204+14	INSIDE	227
LT. STA. 200+88 TO LT. STA. 204+16	OUTSIDE	364
TOTAL		2127

BITUMINOUS MATERIALS (PRIME COAT)

LOCATION	TON
FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 199+17.81	15.54
EB STA. 106+86.47 TO STA. 198+64.60	15.50
WB STA. 201+33.78 TO STA. 262+29.22	10.29
EB STA. 200+82.53 TO STA. 262+29.22	10.38
(MORGAN COUNTY)	
WB STA. 262+29.22 TO STA. 443+19.48	30.55
EB STA. 262+29.22 TO STA. 443+19.48	30.55
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	2.15
EB STA. 10+03.94 TO STA. 26+47.25	2.78

BL-72/US 67

NB STA. 356+25 TO STA. 453+98	17.47
SB STA. 372+50 TO STA. 449+60	13.02

TOTAL = 148.23
(USE 148.2)

AGGREGATE (PRIME COAT)

LOCATION	TON
FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 199+17.81	82
EB STA. 106+86.47 TO STA. 198+64.60	82
WB STA. 201+33.78 TO STA. 262+29.22	54
EB STA. 200+82.53 TO STA. 262+29.22	55
(MORGAN COUNTY)	
WB STA. 262+29.22 TO STA. 443+19.48	161
EB STA. 262+29.22 TO STA. 443+19.48	161
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	11
EB STA. 10+03.94 TO STA. 26+47.25	15

BL-72/US 67

NB STA. 356+25 TO STA. 453+98	92
SB STA. 372+50 TO STA. 449+60	69

TOTAL = 782

CONSTRUCTING TEST STRIP

LOCATION	EACH
FAI 72 & BL-72/US 67	2

(BINDER COURSE)
(SURFACE COURSE)

TOTAL = 2

PORTLAND CEMENT CONCRETE SURFACE REMOVAL, BUTT-JOINT

LOCATION	SQ YD
BL-72/US 67 (MORGAN COUNTY)	
NB STA. 453+68 TO STA. 453+98	147
SB STA. 449+30 TO STA. 449+60	133
TOTAL	280

TEMPORARY RAMP

LOCATION	SQ YD
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FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06	20
EB STA. 106+86.47	20
WB STA. 199+17.81	20
EB STA. 198+64.60	20
WB STA. 201+33.78	20
EB STA. 200+82.53	20
(MORGAN COUNTY)	
WB STA. 22+74.37	20
EB STA. 26+47.25	20

BL-72/US 67

NB STA. 356+25	20
SB STA. 372+50	20
NB STA. 453+98	20
SB STA. 449+60	20

TOTAL = 240

POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90

LOCATION	TON
FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 199+17.81	3132
EB STA. 106+86.47 TO STA. 198+64.60	3124
WB STA. 201+33.78 TO STA. 262+29.22	2075
EB STA. 200+82.53 TO STA. 262+29.22	2092
(MORGAN COUNTY)	
WB STA. 262+29.22 TO STA. 443+19.48	6157
EB STA. 262+29.22 TO STA. 443+19.48	6157
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	432
EB STA. 10+03.94 TO STA. 26+47.25	559

BL-72/US 67

NB STA. 356+25 TO STA. 453+98	3326
SB STA. 372+50 TO STA. 449+60	2624

TOTAL = 29,678

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90

LOCATION	TON
FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 199+17.81	2072
EB STA. 106+86.47 TO STA. 198+64.60	2067
WB STA. 201+33.78 TO STA. 262+29.22	1372
EB STA. 200+82.53 TO STA. 262+29.22	1384
(MORGAN COUNTY)	
WB STA. 262+29.22 TO STA. 443+19.48	4073
EB STA. 262+29.22 TO STA. 443+19.48	4073
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	286
EB STA. 10+03.94 TO STA. 26+47.25	370

BL-72/US 67

NB STA. 356+25 TO STA. 453+98	2201
SB STA. 372+50 TO STA. 449+60	1736

TOTAL = 19,634

INCIDENTAL HOT-MIX ASPHALT SURFACING

LOCATION	TON
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FAI-72 (SCOTT COUNTY)	
STA. 260+77	46
(MORGAN COUNTY)	
STA. 435+00	46
BL-72/US 67	
STA. 360+41	85
STA. 384+16	83
STA. 421+90	74
STA. 445+35	36

TOTAL = 370

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

LOCATION	SQ YD
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FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 191+75	15,038
EB STA. 106+86.47 TO STA. 189+84.28	14,752
WB STA. 207+65 TO STA. 262+29.22	9714
EB STA. 217+84 TO STA. 262+29.22	7903
CROSSOVER @ STA. 260+77	403
(MORGAN COUNTY)	
WB STA. 262+29.22 TO STA. 343+79	14,489
EB STA. 262+29.22 TO STA. 338+77	13,596
WB STA. 427+15.94 TO STA. 443+19.48	2851
EB STA. 426+87.44 TO STA. 443+19.48	2901
CROSSOVER @ STA. 435+00	403
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	2259
EB STA. 10+03.94 TO STA. 26+47.25	2921

TOTAL = 87,230

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4''

LOCATION	SQ YD
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FAI-72 (SCOTT COUNTY)	
WB STA. 191+75 TO STA. 207+65	2443
EB STA. 189+84.28 TO STA. 217+84	4590
(MORGAN COUNTY)	
WB STA. 343+79 TO STA. 427+15.94	14,821
EB STA. 338+77 TO STA. 426+87.44	15,663

TOTAL = 37,517

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

LOCATION	SQ YD
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FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 191+75	22,557
EB STA. 106+86.47 TO STA. 189+84.28	22,127
WB STA. 207+65 TO STA. 262+29.22	14,571
EB STA. 217+84 TO STA. 262+29.22	11,854
(MORGAN COUNTY)	
WB STA. 262+29.22 TO STA. 343+79	21,733
EB STA. 262+29.22 TO STA. 338+77	20,394
WB STA. 427+15.94 TO STA. 443+19.48	4276
EB STA. 426+87.44 TO STA. 443+19.48	4352
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	3388
EB STA. 10+03.94 TO STA. 26+47.25	4382

TOTAL = 129,634

• 86-10RS-3, 69-6RS-2, 69-1RS
•• SCOTT, MORGAN

HOT-MIX ASPHALT SURFACE REMOVAL, 4''

LOCATION	SQ YD
FAI-72 (SCOTT COUNTY)	
WB STA. 191+75 TO STA. 207+65	3664
EB STA. 189+84.28 TO STA. 217+84 (MORGAN COUNTY)	6885
WB STA. 343+79 TO STA. 427+15.94	22,232
EB STA. 338+77 TO STA. 426+87.44	23,495
TOTAL = 56,276	

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

LOCATION	SQ YD
BL-72/US 67 (MORGAN COUNTY)	
NB LANES	
STA. 356+25 TO STA. 368+95	5644
STA. 388+96 TO STA. 396+60	3396
SB LANES	
STA. 372+50 TO STA. 387+25	6556
TOTAL = 15,596	

PAVED SHOULDER REMOVAL

LOCATION	SIDE	SQ YD
FAI-72 (SCOTT COUNTY)		
RT. STA. 195+82 TO RT. STA. 199+10	OUTSIDE	364
RT. STA. 195+84 TO RT. STA. 199+25	INSIDE	227
LT. STA. 197+07 TO LT. STA. 199+64	INSIDE	171
LT. STA. 197+10 TO LT. STA. 199+79	OUTSIDE	299
RT. STA. 200+21 TO RT. STA. 202+91	OUTSIDE	300
RT. STA. 200+36 TO RT. STA. 202+99	INSIDE	175
LT. STA. 200+74 TO LT. STA. 204+14	INSIDE	227
LT. STA. 200+88 TO LT. STA. 204+16	OUTSIDE	364
TOTAL = 2127		

PAVEMENT PATCHING (PARTIAL DEPTH)

(PROVIDED BY DISTRICT)

LOCATION	SQ YD
BL-72/US 67 (MORGAN COUNTY)	
192	
TOTAL = 192	

AGGREGATE SHOULDERS, TYPE B

LOCATION	TON
FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 199+17.81	112
EB STA. 106+86.47 TO STA. 198+64.60	111
WB STA. 201+33.78 TO STA. 262+29.22	74
EB STA. 200+82.53 TO STA. 262+29.22 (MORGAN COUNTY)	75
WB STA. 262+29.22 TO STA. 443+19.48	220
EB STA. 262+29.22 TO STA. 443+19.48	220
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	15
EB STA. 10+03.94 TO STA. 26+47.25	20
BL-72/US 67	
NB STA. 356+25 TO STA. 453+98	464
SB STA. 372+50 TO STA. 449+60	366
TOTAL = 1677	

HOT-MIX ASPHALT SHOULDERS

LOCATION	TON
FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 199+17.81	1836
EB STA. 106+86.47 TO STA. 198+64.60	1831
WB STA. 201+33.78 TO STA. 262+29.22	1216
EB STA. 200+82.53 TO STA. 262+29.22 (MORGAN COUNTY)	1226
WB STA. 262+29.22 TO STA. 443+19.48	3609
EB STA. 262+29.22 TO STA. 443+19.48	3609
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	253
EB STA. 10+03.94 TO STA. 26+47.25	328
BL-72/US 67	
NB STA. 356+25 TO STA. 453+98	4184
SB STA. 372+50 TO STA. 449+60	2878
TOTAL = 20,970	

STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS

LOCATION	FOOT
BL-72/US 67 (MORGAN COUNTY)	
RT. STA. 323+35.71 TO RT. STA. 326+88.21	362.50
LT. STA. 326+12.79 TO LT. STA. 329+75.29	362.50
RT. STA. 400+92.71 TO RT. STA. 403+30.21	237.50
LT. STA. 403+89.79 TO LT. STA. 406+27.29	237.50
TOTAL = 1200.00	

TRAFFIC BARRIER TERMINAL, TYPE 2

LOCATION	EACH
BL-72/US 67 (MORGAN COUNTY)	
RT. STA. 326+88.21 TO RT. STA. 327+03.00	1
LT. STA. 325+98.00 TO LT. STA. 326+12.79	1
RT. STA. 403+30.21 TO RT. STA. 403+45.00	1
LT. STA. 403+75.00 TO LT. STA. 403+89.79	1
TOTAL = 4	

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

LOCATION	EACH
BL-72/US 67 (MORGAN COUNTY)	
RT. STA. 322+75.71 TO RT. STA. 323+25.71	1
LT. STA. 329+75.29 TO LT. STA. 330+25.29	1
RT. STA. 400+42.71 TO RT. STA. 400+92.71	1
LT. STA. 406+27.29 TO LT. STA. 406+77.29	1
TOTAL = 4	

SHOULDER RUMBLE STRIP

LOCATION	FOOT
FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 262+29.22	30,594
EB STA. 106+86.47 TO STA. 262+29.22 (MORGAN COUNTY)	30,650
WB STA. 262+29.22 TO STA. 443+19.48	36,180
EB STA. 262+29.22 TO STA. 443+19.48	36,180
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	2540
EB STA. 10+03.94 TO STA. 26+47.25	3286
BL-72/US 67	
NB STA. 356+25 TO STA. 453+98	19,546
SB STA. 372+50 TO STA. 449+60	15,420
TOTAL = 174,306	

ENGINEER'S FIELD OFFICE, TYPE A

LOCATION	CAL MO
FAI 72 & (BL-72/US 67)	16
TOTAL = 16	

MOBILIZATION

LOCATION	L SUM
FAI-72 (SCOTT COUNTY)	0.34
(MORGAN COUNTY)	0.33
BL-72/US 67	0.33
TOTAL = 1.0	

TRAFFIC CONTROL AND PROTECTION, STANDARD 701402

LOCATION	EACH
FAI-72 (SCOTT COUNTY)	
STA. 200+00.00	
EB SN 086-0023	1
WB SN 086-0024	1
TOTAL = 2	

TRAFFIC CONTROL AND PROTECTION, STANDARD 701411

LOCATION	EACH
(MORGAN COUNTY)	
I-72 INTERCHANGE WITH BL-72/US 67	
NB I-72 ENTRANCE RAMP	1
NB BL-72/US 67 RAMP	1
BL-72/US 67 INTERCHANGE WITH OLD IL 36	
SB BL-72/US 67 RAMP	1
TOTAL = 3	

TRAFFIC CONTROL AND PROTECTION, STANDARD 701201

LOCATION	L SUM
FAI 72 (SCOTT COUNTY)	0.34
(MORGAN COUNTY)	0.33
BL-72/US 67	0.33
TOTAL = 1.0	

TRAFFIC CONTROL AND PROTECTION, STANDARD 701406

LOCATION	L SUM
FAI 72 (SCOTT COUNTY)	0.34
(MORGAN COUNTY)	0.33
BL-72/US 67	0.33
TOTAL = 1.0	

TRAFFIC CONTROL AND PROTECTION, STANDARD 701401

LOCATION	L SUM
FAI 72 (SCOTT COUNTY)	0.34
(MORGAN COUNTY)	0.33
BL-72/US 67	0.33
TOTAL = 1.0	

TRAFFIC CONTROL SURVEILLANCE

LOCATION	CAL DA
FAI 72 (SCOTT COUNTY)	17
(MORGAN COUNTY)	19
BL-72/US 67	3
TOTAL = 39	

CHANGEABLE MESSAGE SIGN

LOCATION	CAL MO
FAI-72 & BL-72/US 67	6
TOTAL = 6	

SHORT-TERM PAVEMENT MARKING

LOCATION	FOOT
FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 262+29.22	5218
EB STA. 106+86.47 TO STA. 262+29.22 (MORGAN COUNTY)	5231
WB STA. 262+29.22 TO STA. 443+19.48	6167
EB STA. 262+29.22 TO STA. 443+19.48	6167
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	452
EB STA. 10+03.94 TO STA. 26+47.25	576
BL-72/US 67	
NB STA. 356+25 TO STA. 453+98	2160
SB STA. 372+50 TO STA. 449+60	1712
TOTAL = 27,684	

TEMPORARY PAVEMENT MARKING - LINE 5''

LOCATION	EDGELINE SOLID WHITE FOOT	CENTERLINE SKIP-DASH WHITE FOOT	EDGELINE SOLID YELLOW FOOT
FAI-72 (SCOTT COUNTY)			
WB STA. 107+16.06 TO STA. 262+29.22	15,513	3874	15,513
EB STA. 106+86.47 TO STA. 262+29.22 (MORGAN COUNTY)	15,543	3881	15,543
WB STA. 262+29.22 TO STA. 443+19.48	18,090	4522	18,090
EB STA. 262+29.22 TO STA. 443+19.48	18,090	4522	18,090
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH			
WB STA. 10+03.94 TO STA. 22+74.37	1270	318	1270
EB STA. 10+03.94 TO STA. 26+47.25	1643	411	1643
BL-72/US 67			
NB STA. 356+25 TO STA. 453+98	9773	2443	9773
SB STA. 372+50 TO STA. 449+60	7710	1927	7710
SUB TOTALS =	87,632	21,898	87,632
TOTAL = 197,162			

• 86-10RS-3, 69-6RS-2, 69-1RS
•• SCOTT, MORGAN

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

LOCATION	SQ FT
FAI-72 (SCOTT COUNTY)	1230
(MORGAN COUNTY)	1573
BL-72/US 67	705
TOTAL = 3508	

TEMPORARY CONCRETE BARRIER

LOCATION	FOOT
FAI-72 (SCOTT COUNTY)	
STAGE I, (SN 086-0023/24)	
RT. STA. 197+05.5 TO RT. STA. 200+31	325
LT. STA. 199+70 TO LT. STA. 202+94.5	325
TOTAL = 650	

RELOCATE TEMPORARY CONCRETE BARRIER

LOCATION	FOOT
FAI-72 (SCOTT COUNTY)	
STAGE II, (SN 086-0023/24)	
RT. STA. 197+06.5 TO RT. STA. 200+31	325
LT. STA. 199+70 TO LT. STA. 202+91.5	325
TOTAL = 650	

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

LOCATION	CENTERLINE SKIP-DASH WHITE FOOT
FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 199+17.81	2300
EB STA. 106+86.47 TO STA. 198+64.60	2294
WB STA. 201+33.78 TO STA. 262+29.22	1524
EB STA. 200+82.53 TO STA. 262+29.22	1537
(MORGAN COUNTY)	
WB STA. 262+29.22 TO STA. 443+19.48	4522
EB STA. 262+29.22 TO STA. 443+19.48	4522
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	318
EB STA. 10+03.94 TO STA. 26+47.25	411
BL-72/US 67	
NB STA. 356+25 TO STA. 453+98	2443
SB STA. 372+50 TO STA. 449+60	1927
TOTAL = 21,798	

RAISED REFLECTIVE PAVEMENT MARKER

LOCATION	EACH
FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 199+17.81	115
EB STA. 106+86.47 TO STA. 198+64.60	115
WB STA. 201+33.78 TO STA. 262+29.22	76
EB STA. 200+82.53 TO STA. 262+29.22	77
(MORGAN COUNTY)	
WB STA. 262+29.22 TO STA. 443+19.48	226
EB STA. 262+29.22 TO STA. 443+19.48	226
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	16
EB STA. 10+03.94 TO STA. 26+47.25	21
BL-72/US 67	
NB STA. 356+25 TO STA. 453+98	244
SB STA. 372+50 TO STA. 449+60	192
TOTAL = 1308	

GUARDRAIL MARKERS, TYPE A

LOCATION	EACH
BL-72/US 67 (MORGAN COUNTY)	
RT. STA. 322+75.71 TO RT. STA. 327+03.00	5
LT. STA. 325+98.00 TO LT. STA. 330+25.29	5
RT. STA. 400+42.71 TO RT. STA. 403+45.00	4
LT. STA. 403+75.00 TO LT. STA. 406+77.29	4
TOTAL = 18	

BARRIER WALL MARKERS, TYPE C

LOCATION	EACH
FAI-72 (SCOTT COUNTY)	
STAGE I, (SN 086-0023/24)	
RT. STA. 197+05.5 TO RT. STA. 200+31	26
LT. STA. 199+70 TO LT. STA. 202+94.5	26
TOTAL = 52	

TERMINAL MARKER-DIRECT APPLIED

LOCATION	EACH
BL-72/US 67 (MORGAN COUNTY)	
RT. STA. 322+75.71	1
LT. STA. 330+25.29	1
RT. STA. 400+42.71	1
LT. STA. 406+77.29	1
TOTAL = 4	

PAVEMENT MARKING REMOVAL

LOCATION	TYPE OF MARKING	SQ FT
FAI-72 (SCOTT COUNTY)		
RT. STA. 190+84 TO RT. STA. 203+00 (EB)	SKIP-DASH	127
RT. STA. 195+82 TO RT. STA. 202+91 (EB)	LANE LINE (WHITE)	295
RT. STA. 195+84 TO RT. STA. 202+99 (EB)	LANE LINE (YELLOW)	298
LT. STA. 197+07 TO LT. STA. 209+16 (WB)	SKIP-DASH	126
LT. STA. 197+10 TO LT. STA. 204+16 (WB)	LANE LINE (WHITE)	294
LT. STA. 197+07 TO LT. STA. 204+14 (WB)	LANE LINE (YELLOW)	295
TOTAL = 1435		

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

LOCATION	EACH
FAI-72 (SCOTT COUNTY)	
WB STA. 107+16.06 TO STA. 199+17.81	115
EB STA. 106+86.47 TO STA. 198+64.60	115
WB STA. 201+33.78 TO STA. 262+29.22	76
EB STA. 200+82.53 TO STA. 262+29.22	77
(MORGAN COUNTY)	
WB STA. 262+29.22 TO STA. 443+19.48	226
EB STA. 262+29.22 TO STA. 443+19.48	226
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH	
WB STA. 10+03.94 TO STA. 22+74.37	16
EB STA. 10+03.94 TO STA. 26+47.25	21
BL-72/US 67	
NB STA. 356+25 TO STA. 453+98	244
SB STA. 372+50 TO STA. 449+60	192
TOTAL = 1308	

CLEANING UNDERDRAIN OUTLETS

LOCATION	EACH
FAI-72 (SCOTT COUNTY)	124
(MORGAN COUNTY)	158
BL-72/US 67	78
TOTAL = 360	

OUTLET MARKER

LOCATION	EACH
FAI-72 (SCOTT COUNTY)	124
(MORGAN COUNTY)	158
BL-72/US 67	78
TOTAL = 360	

MATERIAL TRANSFER DEVICE

LOCATION	TON
FAI-72 (SCOTT COUNTY)	17,318
(MORGAN COUNTY)	22,107
BL-72/US 67	9887
TOTAL = 49,312	

BOLLARDS

BOLLARDS REMOVAL

LOCATION	EACH	REMOVAL EACH
FAI-72 (SCOTT COUNTY)		
STA. 113+60	5	5
STA. 137+95	5	2
STA. 142+80		2
STA. 145+75	5	3
STA. 151+25	5	3
STA. 180+00	5	4
STA. 213+10	5	3
STA. 221+40	5	
STA. 229+80	5	2
STA. 235+55	5	2
STA. 248+00	5	
(MORGAN COUNTY)		
STA. 274+00	5	1
STA. 287+00	5	
STA. 305+00	2	2
STA. 315+00	5	4
STA. 347+90	5	4
STA. 360+90	5	3
STA. 373+90	5	4
STA. 393+00		6
STA. 395+00		2
STA. 406+00	2	
STA. 414+00	2	
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH		
STA. 13+00	5	4
STA. 23+70	5	3
BL-72/US 67		
STA. 373+90	5	
STA. 393+90	5	
STA. 398+80	5	
STA. 410+30	5	
STA. 433+10	5	
STA. 452+90	5	
TOTALS = 126		59

MAINTENANCE MOWING

LOCATION	ACRE
FAI-72 (SCOTT COUNTY)	
STA. 107+00 TO STA. 262+29.22	47
(MORGAN COUNTY)	
STA. 262+29.22 TO STA. 443+19.48	55
BL-72/US 67	
STA. 356+00 TO STA. 395+60	12
STA. 395+60 TO STA. 427+60	10
STA. 427+60 TO STA. 440+70	4
STA. 440+70 TO STA. 454+00	3
TOTAL = 131	

GROOVING FOR RECESSED PAVEMENT MARKING 6"

LOCATION	EDGE LINE SOLID WHITE FOOT	EDGE LINE SOLID YELLOW FOOT
FAI-72 (SCOTT COUNTY)		
WB STA. 107+16.06 TO STA. 199+17.81	9202	9202
EB STA. 106+86.47 TO STA. 198+64.60	9178	9178
WB STA. 201+33.78 TO STA. 262+29.22	6096	6096
EB STA. 200+82.53 TO STA. 262+29.22	6147	6147
(MORGAN COUNTY)		
WB STA. 262+29.22 TO STA. 443+19.48	18,090	18,090
EB STA. 262+29.22 TO STA. 443+19.48	18,090	18,090
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH		
WB STA. 10+03.94 TO STA. 22+74.37	1270	1270
EB STA. 10+03.94 TO STA. 26+47.25	1643	1643
BL-72/US 67		
NB STA. 356+25 TO STA. 453+98	9773	9773
SB STA. 372+50 TO STA. 449+60	7710	7710
SUB TOTALS = 87,199		87,199
TOTAL = 174,398		

• 86-10RS-3, 69-6RS-2, 69-1RS
•• SCOTT, MORGAN



CLASS A PATCHES, TYPE II, 8 INCH
 CLASS A PATCHES, TYPE III, 8 INCH
 CLASS A PATCHES, TYPES IV, 8 INCH
 CLASS A PATCHES, TYPE II, 12 INCH
 CLASS A PATCHES, TYPE III, 12 INCH
 CLASS A PATCHES, TYPES IV, 12 INCH
 PATCHING REINFORCEMENT
 SAW CUTS
 TIE BARS 3/4"
 (ALL PATCHES IN DRIVING LANE)

LOCATION	TYPE II 8" SQ YD 5 TO <15	TYPE III 8" SQ YD 15 TO <25	TYPE IV 8" SQ YD 25>	TYPE II 12" SQ YD 5 TO <15	TYPE III 12" SQ YD 15 TO <25	TYPE IV 12" SQ YD 25>	PATCHING REINFORCEMENT (SQ. YD.)	SAW CUTS (FOOT)	TIE BARS (EACH)
FAI-72 (SCOTT COUNTY) WB LANES									
STA. 110+62				8			8	60	
STA. 110+87				8			8	60	
STA. 113+24				8			8	60	
STA. 113+58				10.7			10.7	64	
STA. 114+16						65.3	65.3	146	24
STA. 115+01				8			8	60	
STA. 115+44				8			8	60	
STA. 122+07				8			8	60	
STA. 143+94					24		24	84	
STA. 145+14					16		16	72	
STA. 154+48				8			8	60	
STA. 164+52				8			8	60	
STA. 183+81				8			8	60	
STA. 186+86				8			8	60	
STA. 209+05				8			8	60	
STA. 211+62				8			8	60	
STA. 212+07				8			8	60	
STA. 212+73				8			8	60	
STA. 215+48				8			8	60	
STA. 225+54				8			8	60	
STA. 248+55				8			8	60	
STA. 261+43				8			8	60	
STA. 261+66				8			8	60	
EB LANES									
STA. 107+53					22.7		22.7	82	
STA. 137+62				8			8	60	
STA. 155+90						32	32	96	11
STA. 158+59				8			8	60	
STA. 251+83				8			8	60	
STA. 253+88				10.7			10.7	64	
STA. 254+12				8			8	60	
STA. 258+36				8			8	60	
(MORGAN COUNTY) WB LANES									
STA. 265+91				8			8	60	
STA. 313+41				8			8	60	
STA. 397+91						32	32	96	11
STA. 398+27						58.7	58.7	136	21
STA. 398+75				8			8	60	
STA. 399+72					16		16	72	
STA. 402+17				8			8	60	
STA. 403+17					20		20	78	
EB LANES									
STA. 307+27				10.7			10.7	64	
STA. 329+01					22.7		22.7	82	
STA. 330+02				8			8	60	
STA. 335+56						132	132	246	49
STA. 336+85				8			8	60	
STA. 367+37				8			8	60	
STA. 375+49				8			8	60	
STA. 399+06				8			8	60	
STA. 442+76					16		16	72	
ESTIMATED 25% BL-72/US 67				296.1					
NB LANES									
STA. 356+10	10.7						10.7	64	
STA. 407+30	13.3						13.3	68	
STA. 407+60		16					16.0	72	
STA. 408+10	14.7						14.7	70	
STA. 453+95				53.3			53.3	128	19
TOTALS =	38.7	16		53.3	370.2	320	861.5	3836	135

ESTIMATED QUANTITIES				
PAY ITEM NUMBER	PAY ITEM	UNIT	QUANTITY	LOCATION/ REASON
44212899	PAVEMENT PATCHING (FULL DEPTH)	SQ YD	800	AS DIRECTED
44212900	PAVEMENT PATCHING (PARTIAL DEPTH)	SQ YD	150	AS DIRECTED
X0325739	HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)	SQ YD	1000	SHOULDER FAILURE DURING CONSTRUCTION

WIDTH RESTRICTION SIGNING

LOCATION	L SUM
FAI 72 (SCOTT COUNTY)	0.50
(MORGAN COUNTY)	0.50
TOTAL =	1

URETHANE PAVEMENT MARKING - LINE 5"

LOCATION	EDGELINE SOLID WHITE FOOT	CENTERLINE SKIP-DASH WHITE FOOT	EDGELINE SOLID YELLOW FOOT
FAI-72 (SCOTT COUNTY)			
WB STA. 107+16.06 TO STA. 262+29.22	15,513	50	15,513
EB STA. 106+86.47 TO STA. 262+29.22 (MORGAN COUNTY)	15,543	50	15,543
WB STA. 262+29.22 TO STA. 443+19.48	18,090		18,090
EB STA. 262+29.22 TO STA. 443+19.48	18,090		18,090
EQUATION STA. 443+19.48 BK.= STA. 10+03.94 AH			
WB STA. 10+03.94 TO STA. 22+74.37	1270		1270
EB STA. 10+03.94 TO STA. 26+47.25	1643		1643
BL-72/US 67			
NB STA. 356+25 TO STA. 453+98	9773		9773
SB STA. 372+50 TO STA. 449+60	7710		7710
SUB TOTALS =	87,632	100	87,632
TOTAL =	175,364		

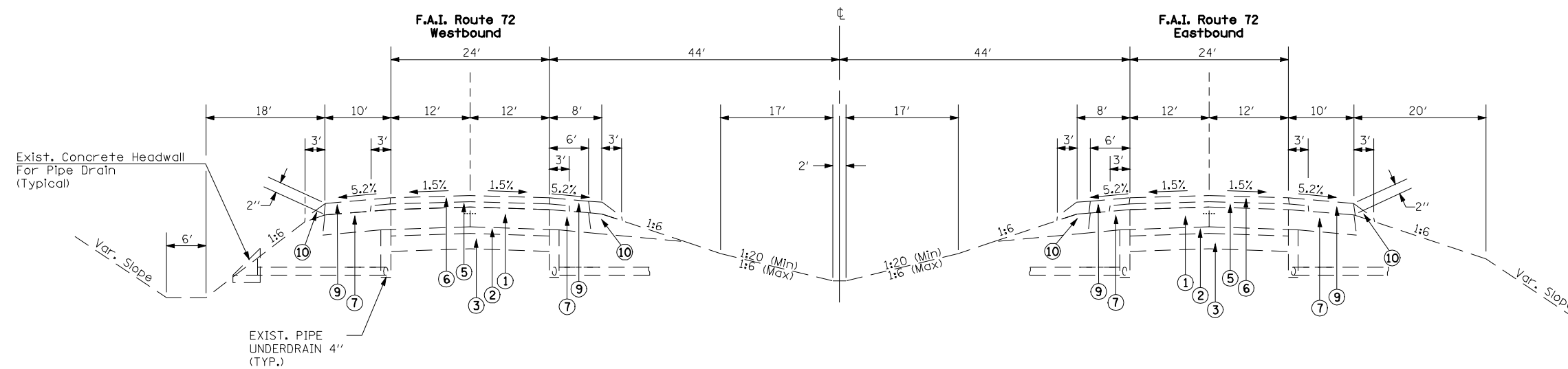
IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

LOCATION	EACH
FAI-72 (SCOTT COUNTY)	
STAGE I, (SN 086-0023/24)	
RT. STA. 197+05	1
LT. STA. 202+95	1
TOTAL =	2

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

LOCATION	EACH
FAI-72 (SCOTT COUNTY)	
STAGE II, (SN 086-0023/24)	
RT. STA. 197+06	1
LT. STA. 202+91.5	1
TOTAL =	2

• 86-10RS-3, 69-6RS-2, 69-1RS
 •• SCOTT, MORGAN

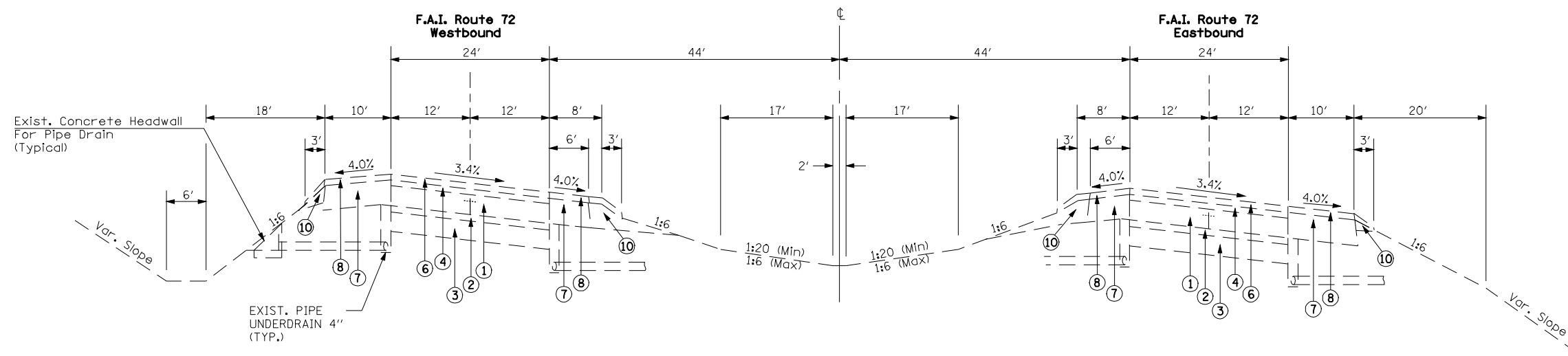


WB Sta. 107+16.06 to Sta. 191+75
 WB Sta. 207+65 to Sta. 217+84
 WB Sta. 233+02 to Sta. 343+79
 WB Sta. 427+15.94 to Sta. 443+19.48
 EQUATION: P.I. Sta. 443+19.48 BK
 P.I. Sta. 10+03.94 AHD.
 WB Sta. 10+03.94 to Sta. 22+74.37

1 TYPICAL TANGENT SECTION
 EXISTING HMA 3 1/4"

EB Sta. 106+86.47 to Sta. 189+84.28
 EB Sta. 233+02 to Sta. 338+77
 EB Sta. 426+87.44 to Sta. 443+19.48
 EQUATION: P.I. Sta. 443+19.48 BK
 P.I. Sta. 10+03.94 AHD.
 EB Sta. 10+03.94 to Sta. 26+47.25

- 1 EXISTING CONTINUOUSLY REINFORCED P.C.C. PAVEMENT 8" (1975)
- 2 EXISTING STABILIZED SUB-BASE ON EARTH BASE 4"
- 3 EXISTING GRANULAR SUB-BASE 8" OR 12" (SPOT LOCATIONS)
- 4 EXISTING HMA CONCRETE 2 1/2" (DATE UNKNOWN)
- 5 EXISTING HMA BINDER COURSE 1 3/4" (1996)
- 6 EXISTING HMA SURFACE COURSE 1 1/2" (1996)
- 7 EXISTING HMA SHOULDER
- 8 EXISTING HMA SHOULDER 1 1/2" (1996)
- 9 EXISTING HMA SHOULDER 3 1/4" (1996)
- 10 EXISTING AGGREGATE SHOULDER, TYPE B



SUPERELEVATION TRANSITION **1-3**
 WB Sta. 191+75 to Sta. 194+15
 (Existing Resurfacing BEGINS WB Sta 192+35)
 WB Sta. 194+15 to Sta. 199+17.81
 OMISSION STA. 199+17.81 TO STA. 201+33.78
 WB Sta. 201+33.78 to Sta. 204+27
 SUPERELEVATION TRANSITION **3-2**
 WB Sta. 204+27 to Sta. 206+67

3 EXISTING SUPERELEVATED SECTION
 EXISTING HMA 4"

SUPERELEVATION TRANSITION **2-3**
 EB Sta. 191+75 to Sta. 194+15
 WB Sta. 194+15 to Sta. 198+64.60
 OMISSION STA. 198+64.60 TO STA. 200+82.53
 WB Sta. 200+82.53 to Sta. 204+27
 SUPERELEVATION TRANSITION **3-2**
 WB Sta. 204+27 to Sta. 206+67

- 20 PROPOSED HMA SURFACE REMOVAL 1 1/2"
- 21 PROPOSED HMA SURFACE REMOVAL 2 1/4"
- 22 PROPOSED HMA SURFACE REMOVAL 3 1/4"
- 23 PROPOSED HMA SURFACE REMOVAL 4"
- 24 PROPOSED BITUMINOUS MATERIALS (PRIMECOAT)
- 25 PROPOSED AGGREGATE (PRIMECOAT)
- 26 PROPOSED HMA BINDER COURSE (2 1/4")
- 27 PROPOSED HMA SURFACE COURSE (1 1/2")
- 28 PROPOSED HMA SHOULDERS (2")
- 29 PROPOSED AGGREGATE SHOULDER, TYPE B

• 86-10RS-3, 69-6RS-2, 69-1RS
 ** SCOTT, MORGAN

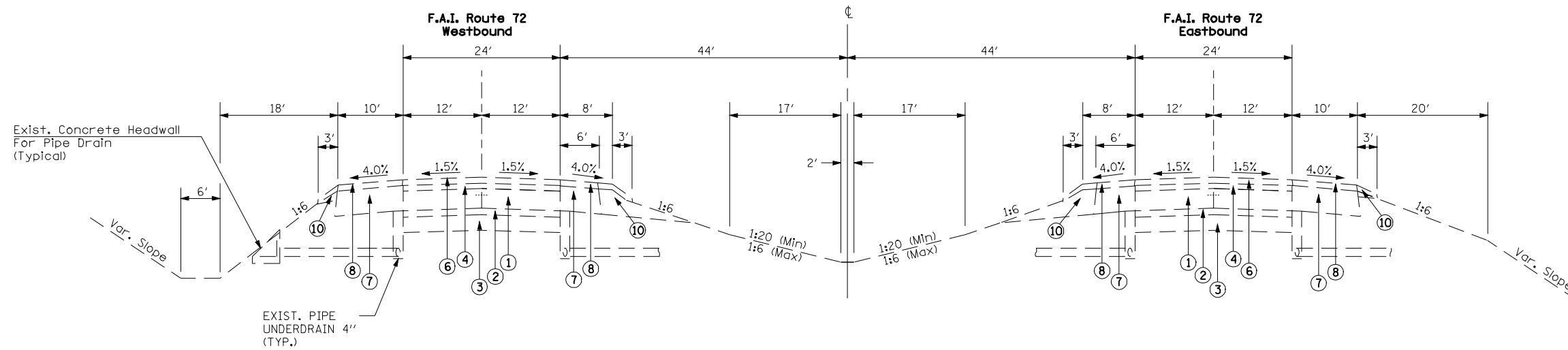
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING FAI 72 TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	**	48	10
CONTRACT NO. 72A16				
ILLINOIS FED. AID PROJECT				



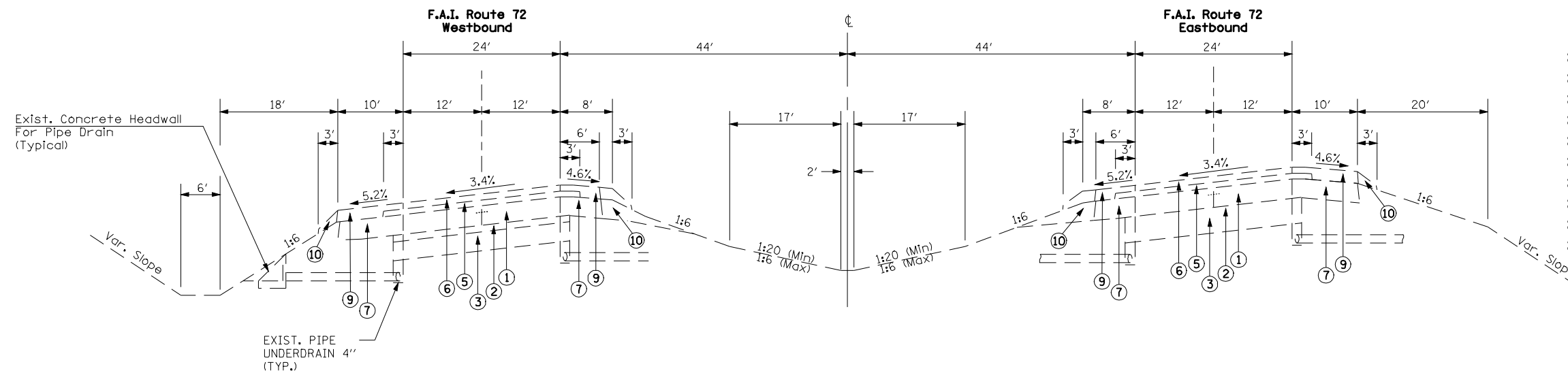


WB Sta. 206+67 to Sta. 207+65
WB Sta. 343+79 to Sta. 427+15.94

2 TYPICAL TANGENT SECTION
EXISTING HMA 4"

EB Sta. 189+84.28 to Sta. 191+75
EB Sta. 206+67 to Sta. 217+84
EB Sta. 338+77 to Sta. 426+87.44

- 1 EXISTING CONTINUOUSLY REINFORCED P. C. C. PAVEMENT 8" (1975)
- 2 EXISTING STABILIZED SUB-BASE ON EARTH BASE 4"
- 3 EXISTING GRANULAR SUB-BASE 8" OR 12" (SPOT LOCATIONS)
- 4 EXISTING HMA CONCRETE 2 1/2" (DATE UNKNOWN)
- 5 EXISTING HMA BINDER COURSE 1 3/4" (1996)
- 6 EXISTING HMA SURFACE COURSE 1 1/2" (1996)
- 7 EXISTING HMA SHOULDER
- 8 EXISTING HMA SHOULDER 1 1/2" (1996)
- 9 EXISTING HMA SHOULDER 3 1/4" (1996)
- 10 EXISTING AGGREGATE SHOULDER, TYPE B



SUPERELEVATION TRANSITION **1** - **4**
WB Sta. 217+84 to Sta. 220+24

WB Sta. 220+24 to Sta. 230+62

SUPERELEVATION TRANSITION **4** - **1**
WB Sta. 230+62 to Sta. 233+02

4 EXISTING SUPERELEVATED SECTION
EXISTING HMA 3 1/4"

SUPERELEVATION TRANSITION **2** - **4**
EB Sta. 217+84 to Sta. 220+24
(Existing Resurfacing ENDS EB Sta 219+14.5)

EB Sta. 220+24 to Sta. 230+62

SUPERELEVATION TRANSITION **4** - **1**
EB Sta. 230+62 to Sta. 233+02

- 20 PROPOSED HMA SURFACE REMOVAL 1 1/2"
- 21 PROPOSED HMA SURFACE REMOVAL 2 1/4"
- 22 PROPOSED HMA SURFACE REMOVAL 3 1/4"
- 23 PROPOSED HMA SURFACE REMOVAL 4"
- 24 PROPOSED BITUMINOUS MATERIALS (PRIMECOAT)
- 25 PROPOSED AGGREGATE (PRIMECOAT)
- 26 PROPOSED HMA BINDER COURSE (2 1/4")
- 27 PROPOSED HMA SURFACE COURSE (1 1/2")
- 28 PROPOSED HMA SHOULDERS (2")
- 29 PROPOSED AGGREGATE SHOULDER, TYPE B

• 86-10RS-3, 69-6RS-2, 69-1RS
•• SCOTT, MORGAN

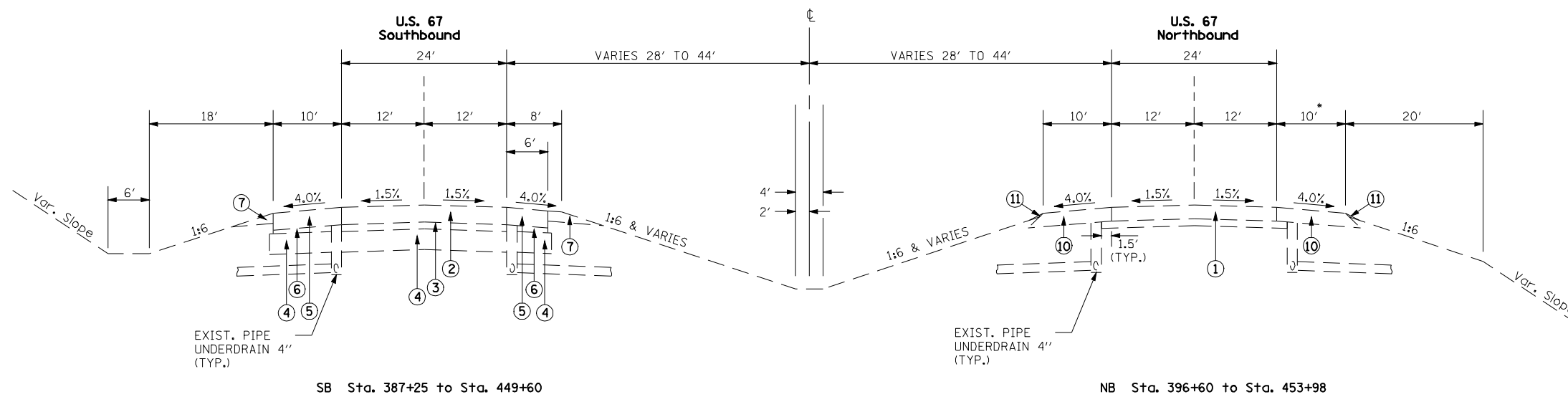
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING FAI 72 TYPICAL SECTIONS

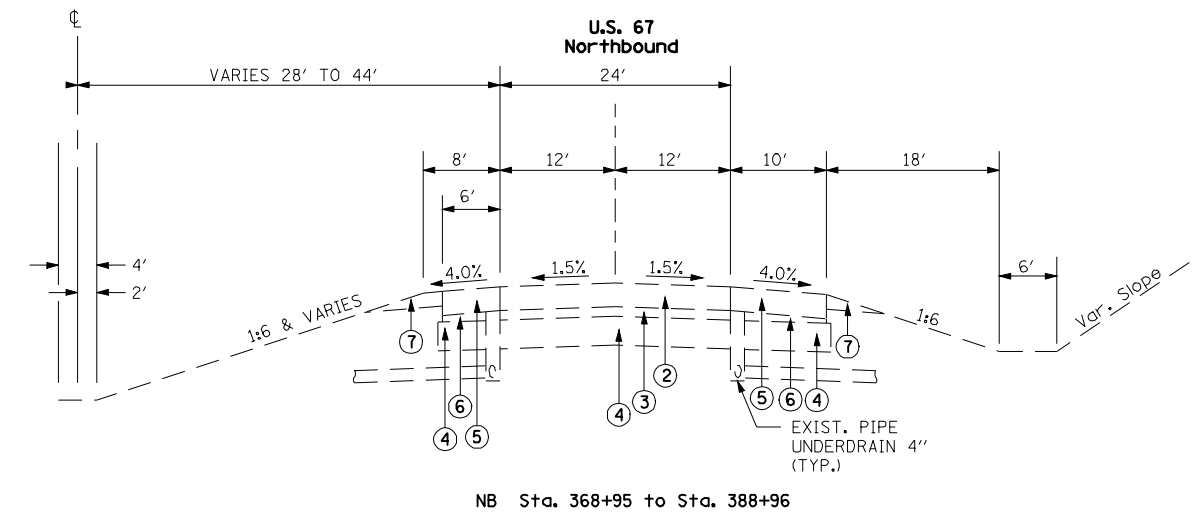
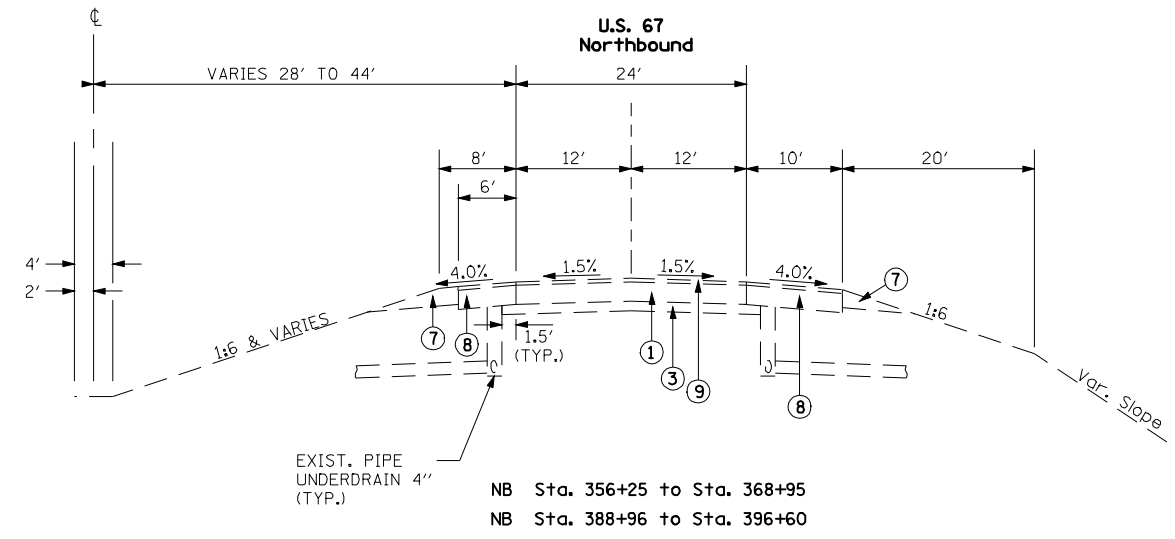
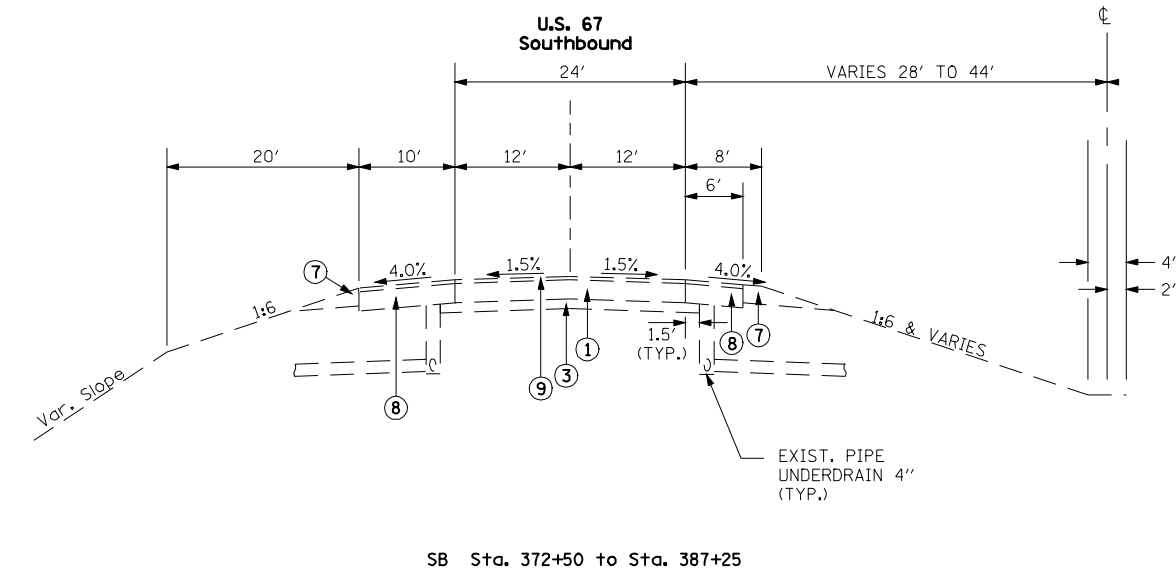
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	**	48	11
CONTRACT NO. 72A16				
ILLINOIS FED. AID PROJECT				



- 1 EXISTING CONTINUOUSLY REINFORCED P. C. C. PAVEMENT 8"
- 2 EXISTING P. C. C. PAVEMENT (JOINTED) 10"
- 3 EXISTING STABILIZED SUB-BASE 4"
- 4 EXISTING LIME MODIFIED SOILS 12"
- 5 EXISTING P. C. C. SHOULDERS 10"
- 6 EXISTING SUBBASE GRANULAR MATERIAL, TYPE C
- 7 EXISTING AGGREGATE SHOULDER, TYPE A 6"
- 8 EXISTING P. C. C. SHOULDERS 8"
- 9 EXISTING HMA RESURFACING (THICKNESS VARIES 1 1/4" TO 3")
- 10 EXISTING HMA SHOULDERS 8"
- 11 EXISTING AGGREGATE SHOULDERS
- 20 PROPOSED BITUMINOUS MATERIALS (PRIMECOAT)
- 21 PROPOSED AGGREGATE (PRIMECOAT)
- 22 PROPOSED HMA BINDER COURSE (2 1/4")
- 23 PROPOSED HMA SURFACE COURSE (1 1/2")
- 24 PROPOSED HMA SHOULDERS (3 3/4")
- 25 PROPOSED AGGREGATE SHOULDER, TYPE B
- 26 PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH

* NB Sta. 451+64 to Sta. 453+98
 P.C.C. SHOULDERS 10"



* 86-10RS-3, 69-6RS-2, 69-1RS
 ** SCOTT, MORGAN

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING US 67 TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

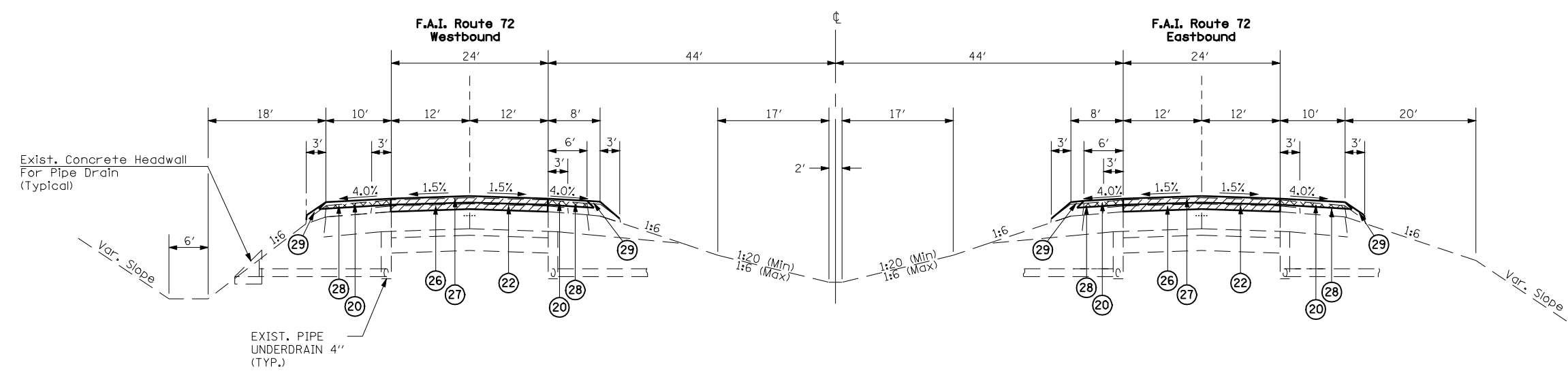
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	**	48	12
CONTRACT NO. 72A16				
ILLINOIS FED. AID PROJECT				



NOTE: PROPOSED BINDER COURSE MAY NEED TO BE REDUCED IN THICKNESS TO MAINTAIN A 16' 0" MIN. CLEARANCE AT THE FOLLOWING LOCATIONS:

STA. 143+90.97 (T.R. 128)
 STA. 334+91.02 (T.R. 50)
 STA. 394+00.00 (C.H. 23)

THE CONTRACTOR SHALL VERIFY BRIDGE CLEARANCES BEFORE RESURFACING.



WB Sta. 107+16.06 to Sta. 191+75
 WB Sta. 207+65 to Sta. 217+84
 WB Sta. 233+02 to Sta. 343+79
 WB Sta. 427+15.94 to Sta. 443+19.48

EQUATION: P.I. Sta. 443+19.48 BK
 P.I. Sta. 10+03.94 AHD.

WB Sta. 10+03.94 to Sta. 22+74.37

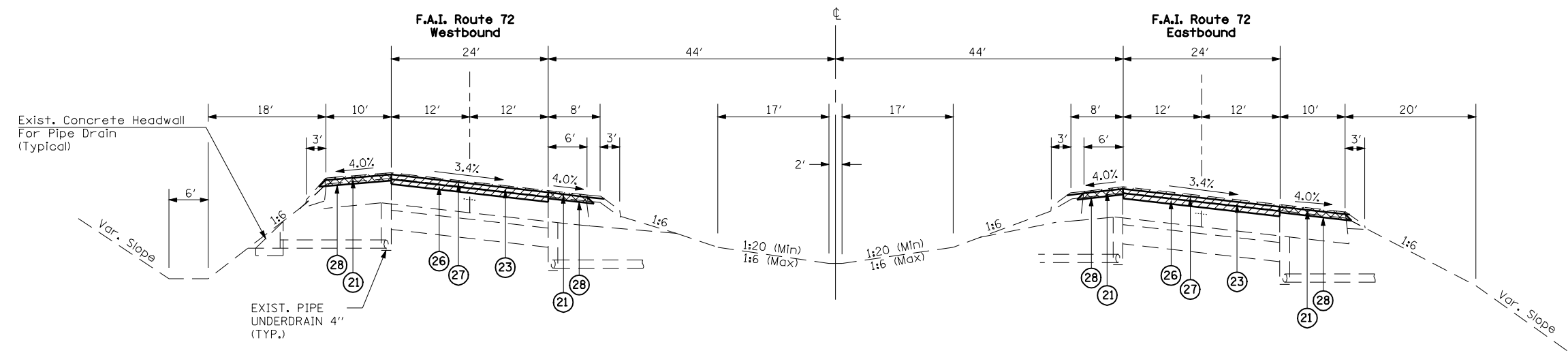
1 TYPICAL TANGENT SECTION
 EXISTING HMA 3 1/4"

EB Sta. 106+86.47 to Sta. 189+84.28
 EB Sta. 233+02 to Sta. 338+77
 EB Sta. 426+87.44 to Sta. 443+19.48

EQUATION: P.I. Sta. 443+19.48 BK
 P.I. Sta. 10+03.94 AHD.

EB Sta. 10+03.94 to Sta. 26+47.25

- 1 EXISTING CONTINUOUSLY REINFORCED P.C.C. PAVEMENT 8" (1975)
- 2 EXISTING STABILIZED SUB-BASE ON EARTH BASE 4"
- 3 EXISTING GRANULAR SUB-BASE 8" OR 12" (SPOT LOCATIONS)
- 4 EXISTING HMA CONCRETE 2 1/2" (DATE UNKNOWN)
- 5 EXISTING HMA BINDER COURSE 1 3/4" (1996)
- 6 EXISTING HMA SURFACE COURSE 1 1/2" (1996)
- 7 EXISTING HMA SHOULDER
- 8 EXISTING HMA SHOULDER 1 1/2" (1996)
- 9 EXISTING HMA SHOULDER 3 1/4" (1996)
- 10 EXISTING AGGREGATE SHOULDER, TYPE B



SUPERELEVATION TRANSITION **1-3**
 WB Sta. 191+75 to Sta. 194+15
 (Existing Resurfacing BEGINS WB Sta 192+35)

WB Sta. 194+15 to Sta. 199+17.81
 OMISSION STA. 199+17.81 TO STA. 201+33.78
 WB Sta. 201+33.78 to Sta. 204+27

SUPERELEVATION TRANSITION **3-2**
 WB Sta. 204+27 to Sta. 206+67

3 PROPOSED SUPERELEVATED SECTION
 EXISTING HMA 4"

SUPERELEVATION TRANSITION **2-3**
 EB Sta. 191+75 to Sta. 194+15

WB Sta. 194+15 to Sta. 198+64.60
 OMISSION STA. 198+64.60 TO STA. 200+82.53
 WB Sta. 200+82.53 to Sta. 204+27

SUPERELEVATION TRANSITION **3-2**
 WB Sta. 204+27 to Sta. 206+67

- 20 PROPOSED HMA SURFACE REMOVAL 1 1/2"
- 21 PROPOSED HMA SURFACE REMOVAL 2 1/4"
- 22 PROPOSED HMA SURFACE REMOVAL 3 1/4"
- 23 PROPOSED HMA SURFACE REMOVAL 4"
- 24 PROPOSED BITUMINOUS MATERIALS (PRIMECOAT)
- 25 PROPOSED AGGREGATE (PRIMECOAT)
- 26 PROPOSED HMA BINDER COURSE (2 1/4")
- 27 PROPOSED HMA SURFACE COURSE (1 1/2")
- 28 PROPOSED HMA SHOULDERS (2")
- 29 PROPOSED AGGREGATE SHOULDER, TYPE B

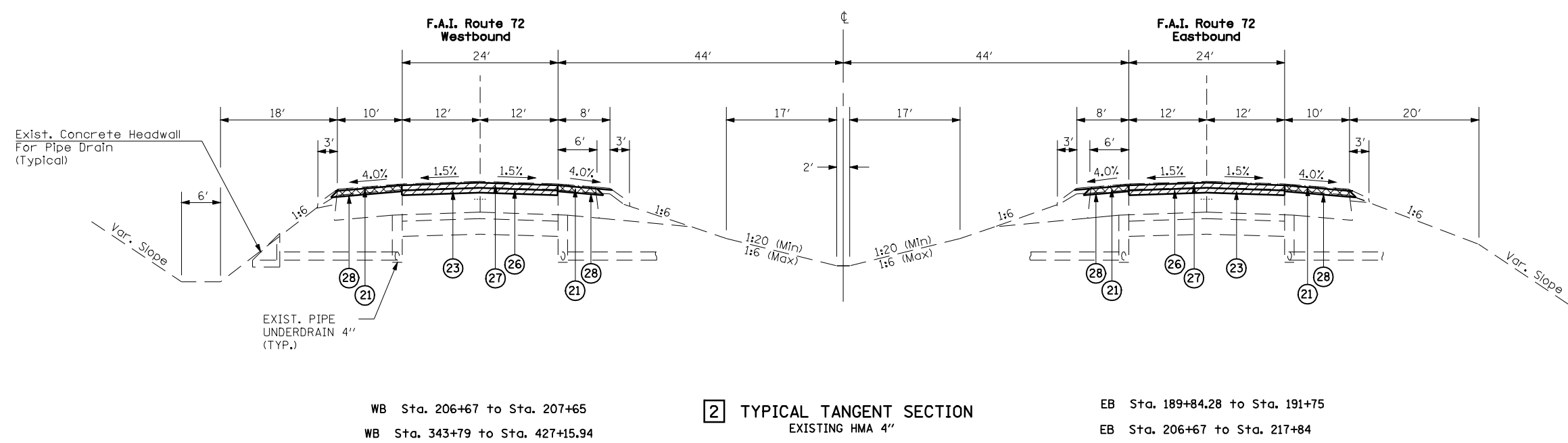
- (24) & (25) - TO BE APPLIED TO ALL MILLED SURFACES
- (Hatched pattern) - EXISTING SURFACE REMOVAL
- (Cross-hatched pattern) - EXISTING SHOULDER REMOVAL

86-10RS-3, 69-6RS-2, 69-1RS
 ** SCOTT, MORGAN

NOTE: PROPOSED BINDER COURSE MAY NEED TO BE REDUCED IN THICKNESS TO MAINTAIN A 16' 0" MIN. CLEARANCE AT THE FOLLOWING LOCATIONS:

STA. 143+90.97 (T.R. 128)
 STA. 334+91.02 (T.R. 50)
 STA. 394+00.00 (C.H. 23)

THE CONTRACTOR SHALL VERIFY BRIDGE CLEARANCES BEFORE RESURFACING.

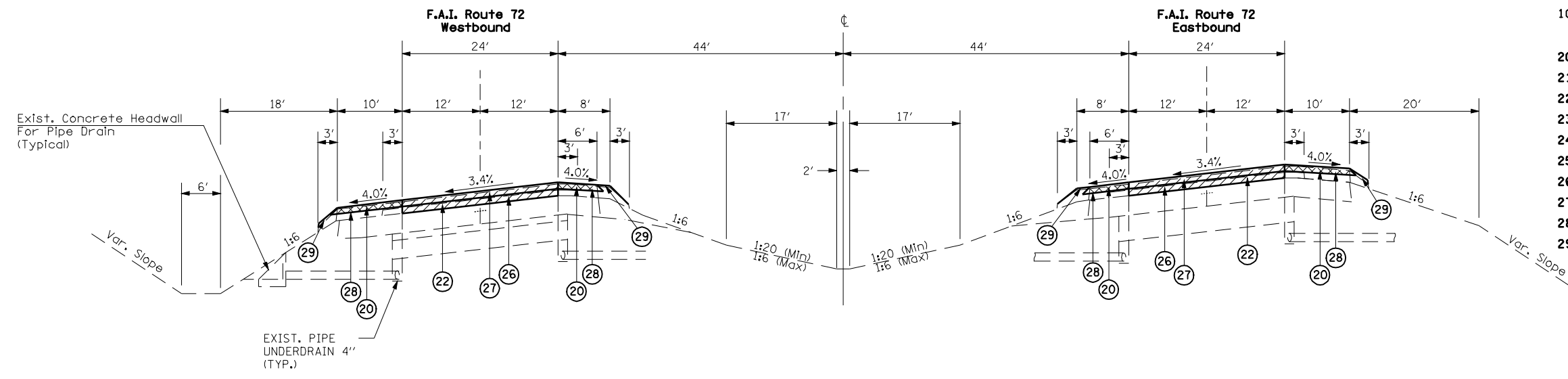


WB Sta. 206+67 to Sta. 207+65
 WB Sta. 343+79 to Sta. 427+15.94

2 TYPICAL TANGENT SECTION
 EXISTING HMA 4"

EB Sta. 189+84.28 to Sta. 191+75
 EB Sta. 206+67 to Sta. 217+84
 EB Sta. 338+77 to Sta. 426+87.44

- 1 EXISTING CONTINUOUSLY REINFORCED P. C. C. PAVEMENT 8" (1975)
- 2 EXISTING STABILIZED SUB-BASE ON EARTH BASE 4"
- 3 EXISTING GRANULAR SUB-BASE 8" OR 12" (SPOT LOCATIONS)
- 4 EXISTING HMA CONCRETE 2 1/2" (DATE UNKNOWN)
- 5 EXISTING HMA BINDER COURSE 1 3/4" (1996)
- 6 EXISTING HMA SURFACE COURSE 1 1/2" (1996)
- 7 EXISTING HMA SHOULDER
- 8 EXISTING HMA SHOULDER 1 1/2" (1996)
- 9 EXISTING HMA SHOULDER 3 1/4" (1996)
- 10 EXISTING AGGREGATE SHOULDER, TYPE B



SUPERELEVATION TRANSITION **1** - **4**
 WB Sta. 217+84 to Sta. 220+24

WB Sta. 220+24 to Sta. 230+62

SUPERELEVATION TRANSITION **4** - **1**
 WB Sta. 230+62 to Sta. 233+02

4 EXISTING SUPERELEVATED SECTION
 EXISTING HMA 3 1/4"

SUPERELEVATION TRANSITION **2** - **4**
 EB Sta. 217+84 to Sta. 220+24
 (Existing Resurfacing ENDS EB Sta 219+14.5)

EB Sta. 220+24 to Sta. 230+62

SUPERELEVATION TRANSITION **4** - **1**
 EB Sta. 230+62 to Sta. 233+02

- 20 PROPOSED HMA SURFACE REMOVAL 1 1/2"
- 21 PROPOSED HMA SURFACE REMOVAL 2 1/4"
- 22 PROPOSED HMA SURFACE REMOVAL 3 1/4"
- 23 PROPOSED HMA SURFACE REMOVAL 4"
- 24 PROPOSED BITUMINOUS MATERIALS (PRIMECOAT)
- 25 PROPOSED AGGREGATE (PRIMECOAT)
- 26 PROPOSED HMA BINDER COURSE (2 1/4")
- 27 PROPOSED HMA SURFACE COURSE (1 1/2")
- 28 PROPOSED HMA SHOULDERS (2")
- 29 PROPOSED AGGREGATE SHOULDER, TYPE B

- (24) & (25)** - TO BE APPLIED TO ALL MILLED SURFACES
- EXISTING SURFACE REMOVAL
- EXISTING SHOULDER REMOVAL

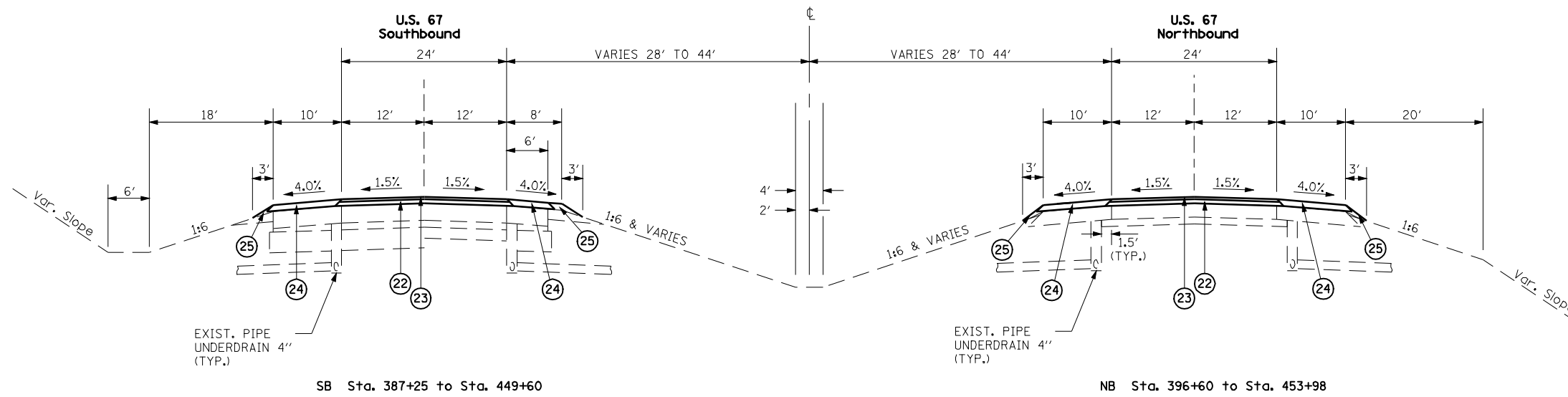
86-10RS-3, 69-6RS-2, 69-1RS
 ** SCOTT, MORGAN

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

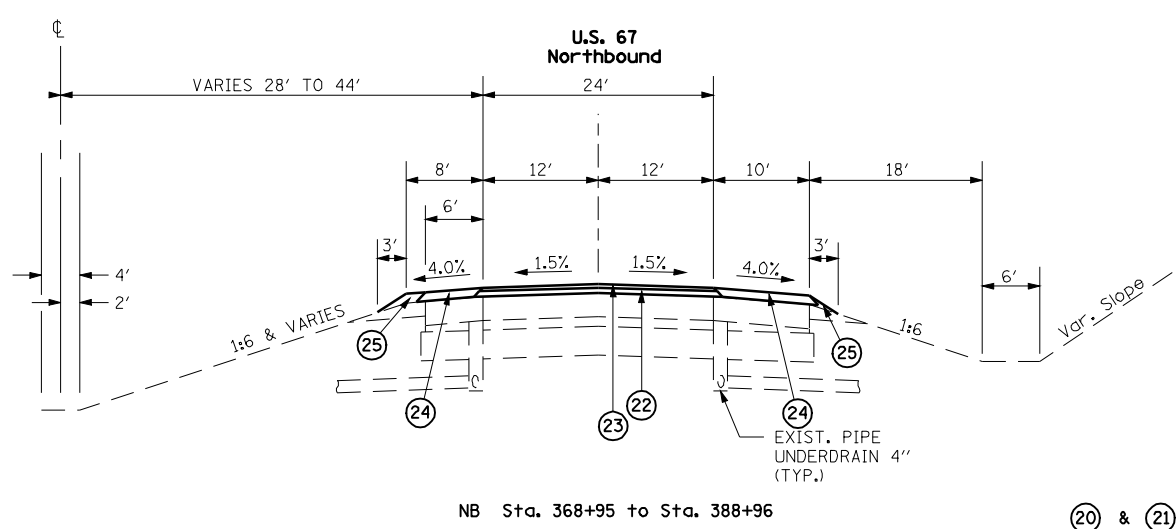
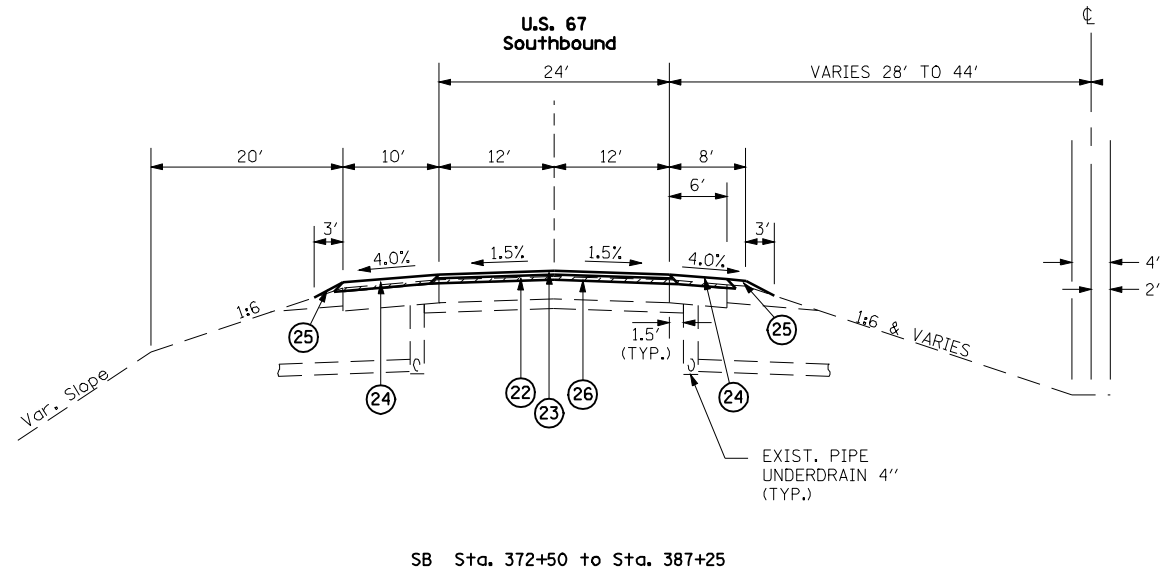
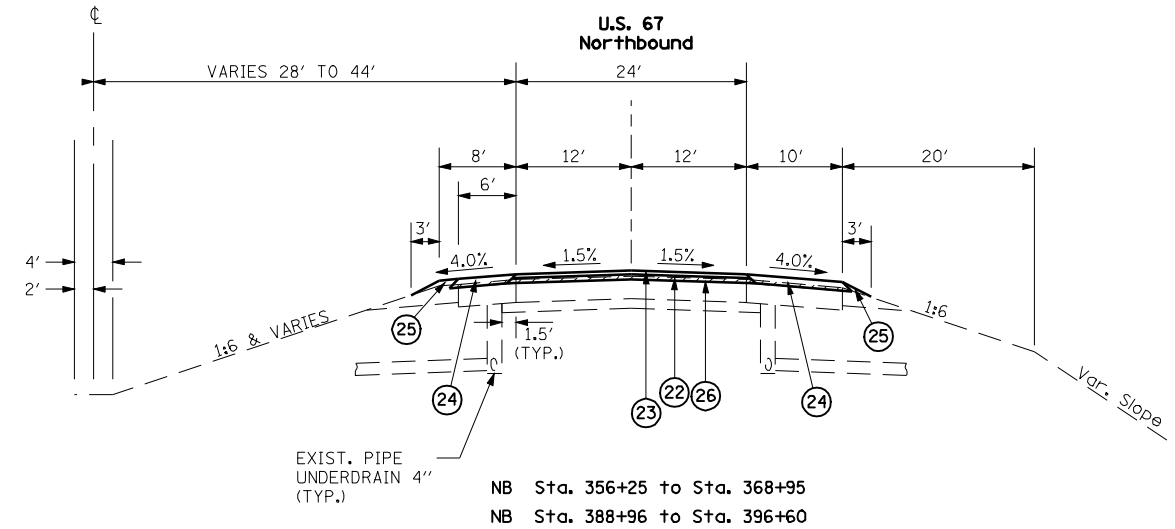
PROPOSED FAI 72 TYPICAL SECTIONS				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	**	48	14
CONTRACT NO. 72A16				
ILLINOIS FED. AID PROJECT				



- 1 EXISTING CONTINUOUSLY REINFORCED P. C. C. PAVEMENT 8"
- 2 EXISTING P. C. C. PAVEMENT (JOINTED) 10"
- 3 EXISTING STABILIZED SUB-BASE 4"
- 4 EXISTING LIME MODIFIED SOILS 12"
- 5 EXISTING P. C. C. SHOULDERS 10"
- 6 EXISTING SUBBASE GRANULAR MATERIAL, TYPE C
- 7 EXISTING AGGREGATE SHOULDER, TYPE A 6"
- 8 EXISTING P. C. C. SHOULDERS 8"
- 9 EXISTING HMA RESURFACING (THICKNESS VARIES 1 1/4" TO 3")
- 10 EXISTING HMA SHOULDERS 8"
- 11 EXISTING AGGREGATE SHOULDERS

- 20 PROPOSED BITUMINOUS MATERIALS (PRIMECOAT)
- 21 PROPOSED AGGREGATE (PRIMECOAT)
- 22 PROPOSED HMA BINDER COURSE (2 1/4")
- 23 PROPOSED HMA SURFACE COURSE (1 1/2")
- 24 PROPOSED HMA SHOULDERS (3 3/4")
- 25 PROPOSED AGGREGATE SHOULDER, TYPE B
- 26 PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH (REMOVE DOWN TO ORIGINAL PCC SURFACE.)



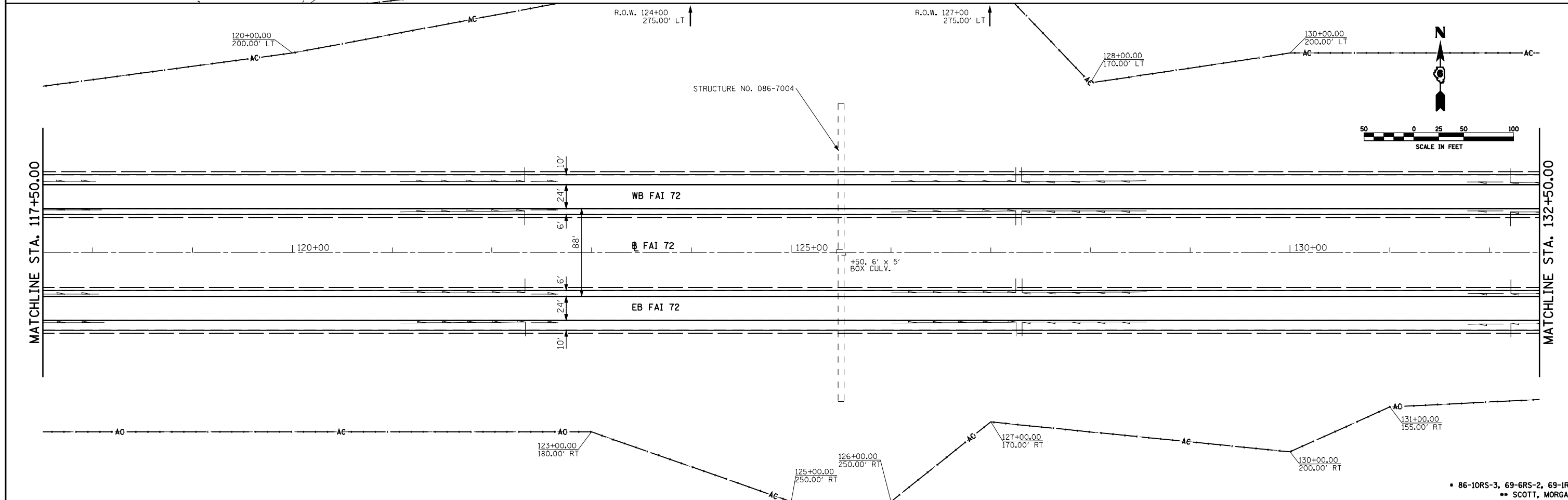
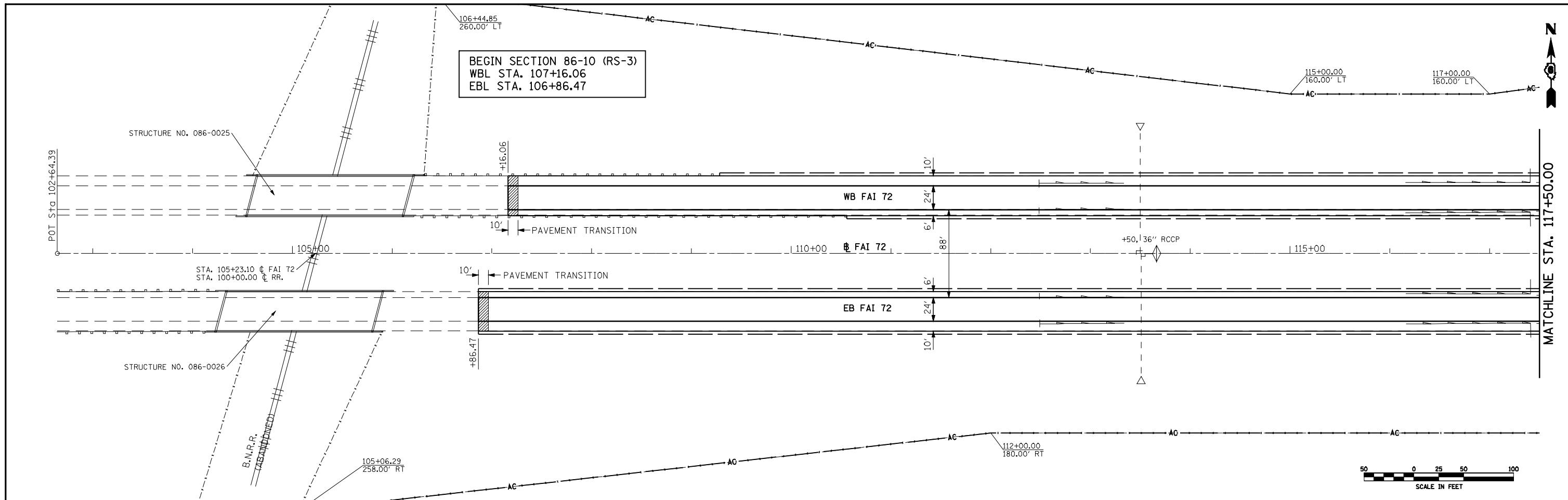
(20) & (21) - TO BE APPLIED TO ALL EXISTING HMA SURFACES
 • 86-10RS-3, 69-6RS-2, 69-1RS
 •• SCOTT, MORGAN

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

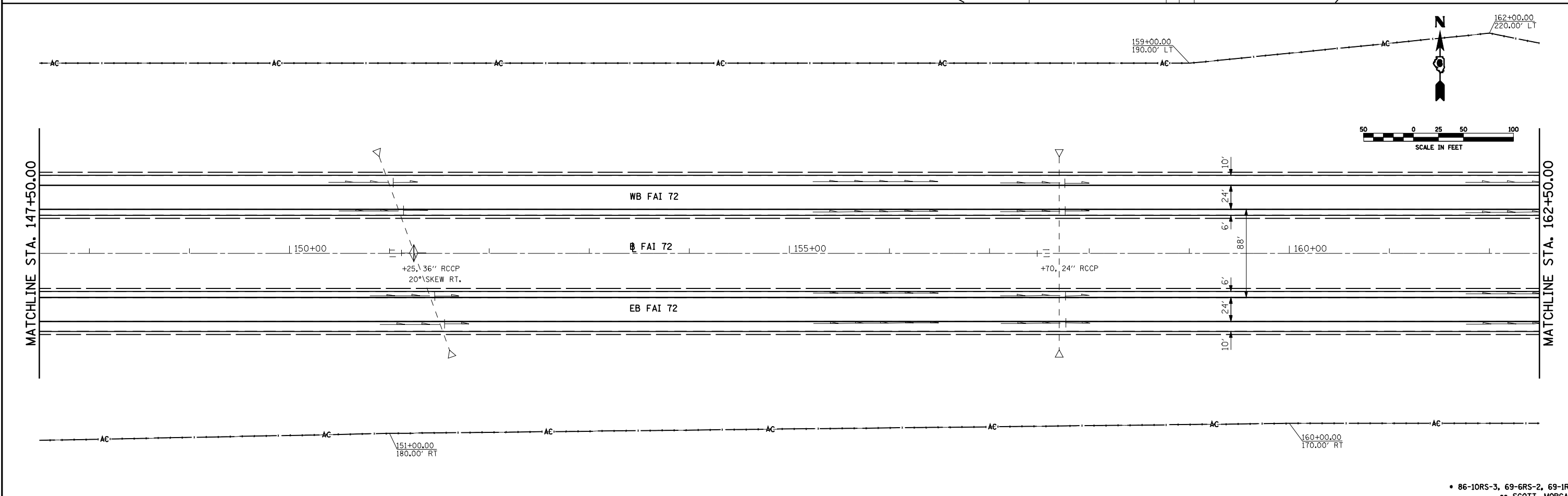
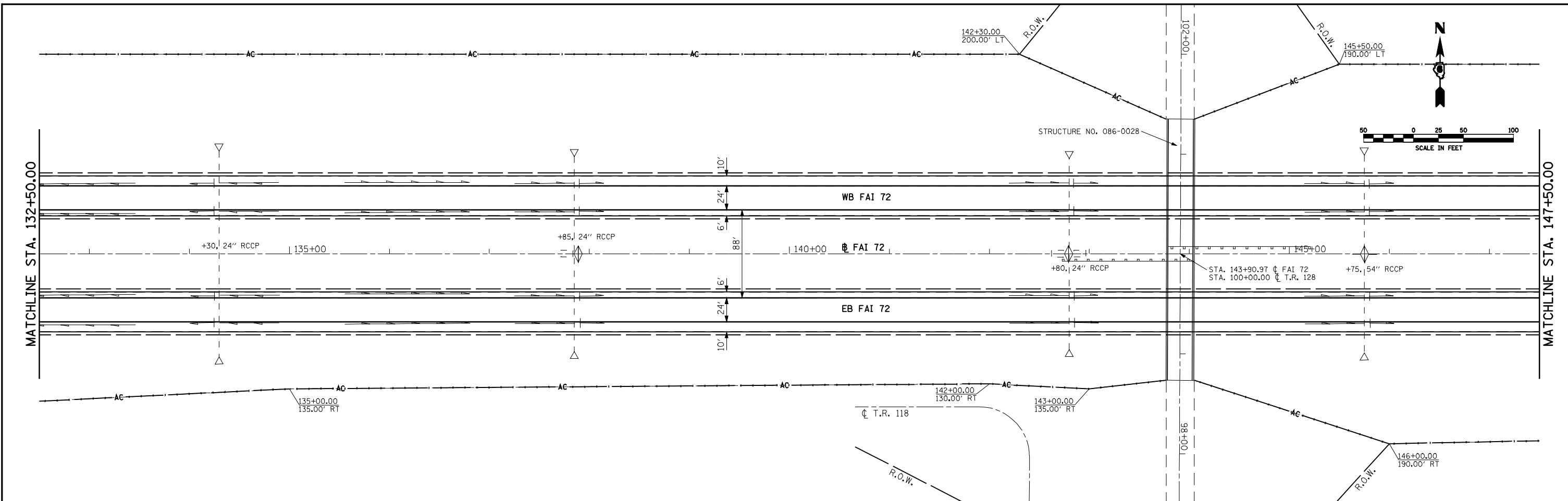
PROPOSED US 67 TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	**	48	15
CONTRACT NO. 72A16				
ILLINOIS FED. AID PROJECT				



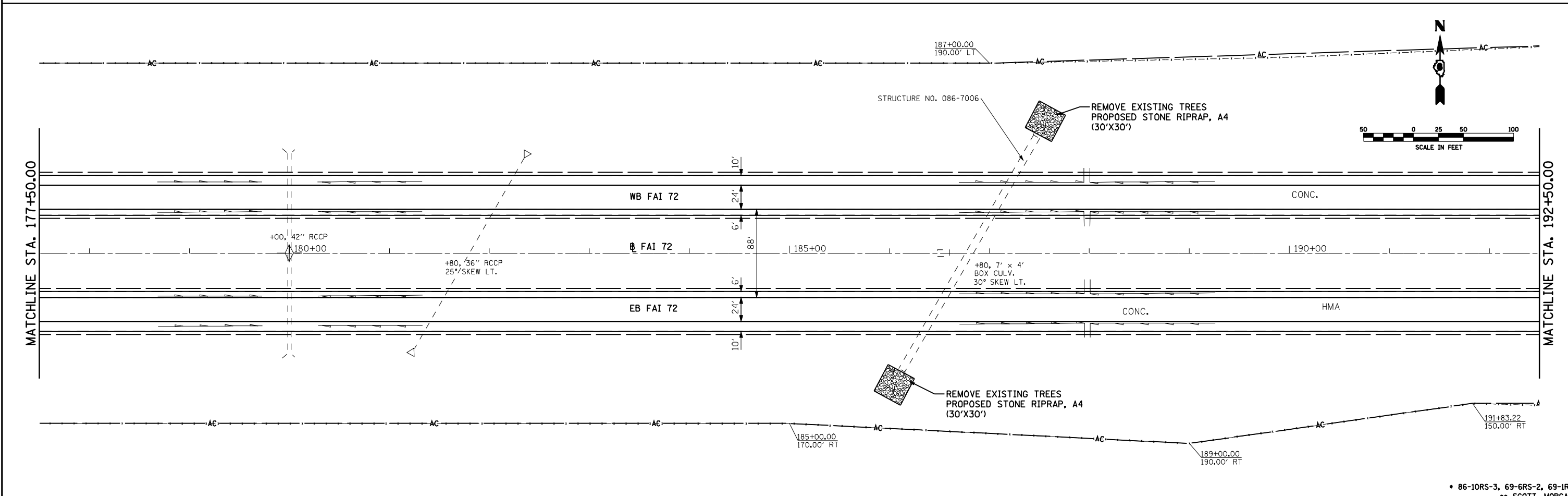
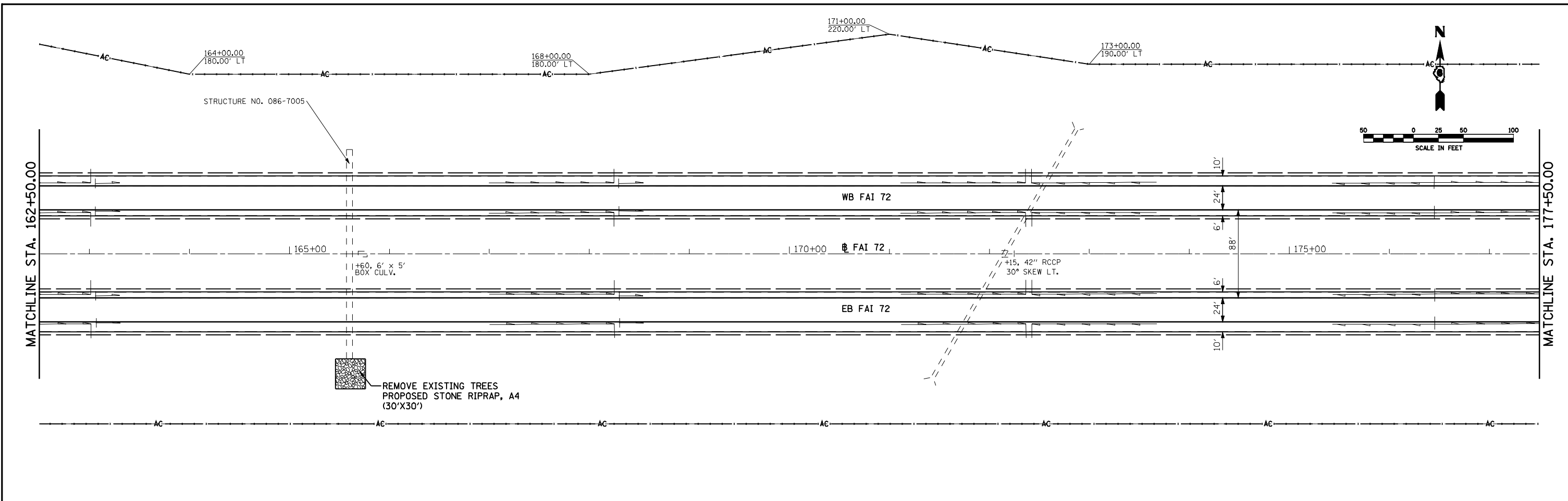
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	PLOT SCALE = 100.0000' / IN. PLOT DATE = Apr-06-2010 10:24:54AM	TOTAL SHEETS = 48 SHEET NO. = 16		SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT			

• 86-10RS-3, 69-6RS-2, 69-IRS
 ** SCOTT, MORGAN



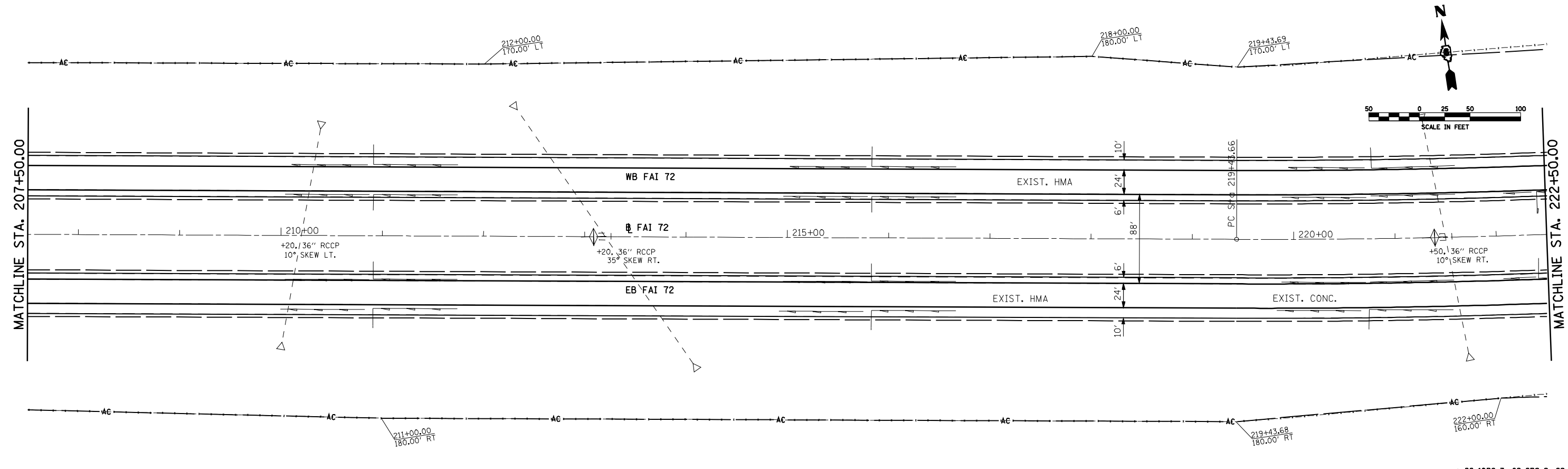
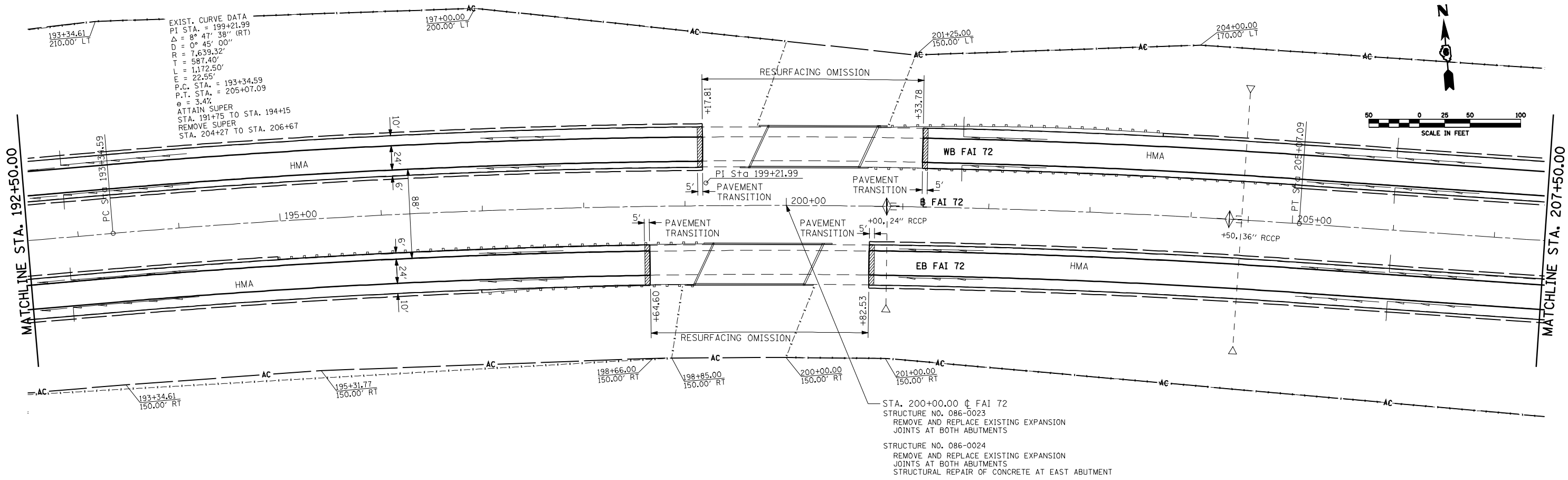
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	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 72A16 ILLINOIS FED. AID PROJECT				

• 86-10RS-3, 69-6RS-2, 69-IRS
 ** SCOTT, MORGAN



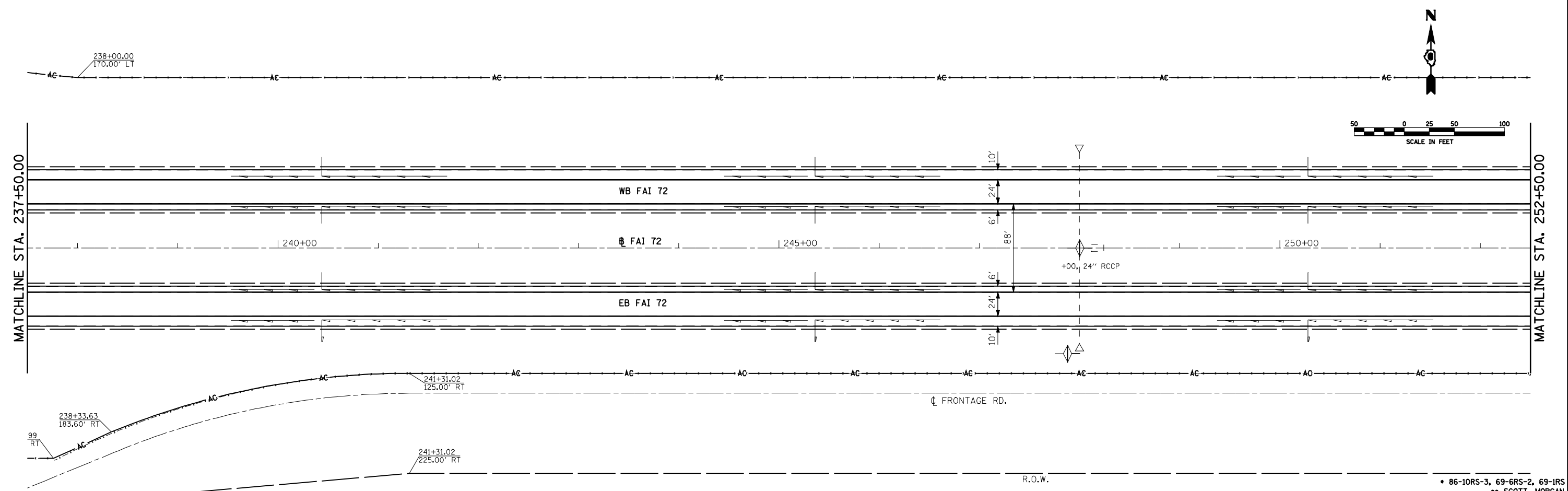
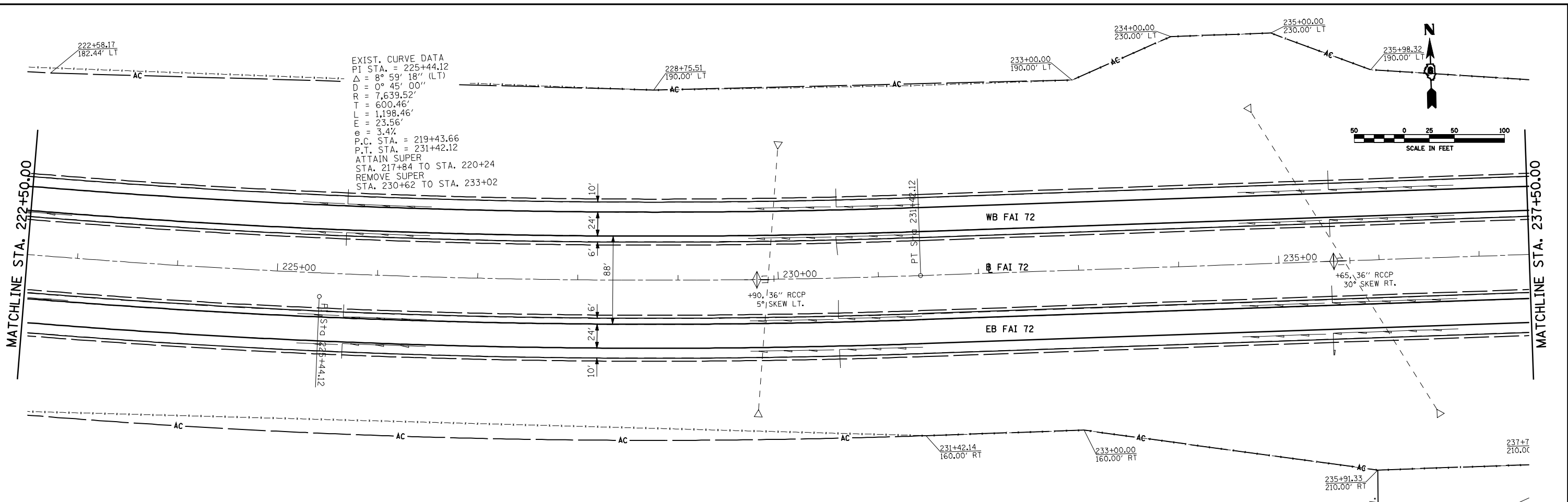
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• 86-10RS-3, 69-6RS-2, 69-IRS
 ** SCOTT, MORGAN



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET FAI 72			F.A.I. RTE. 72	SECTION *	COUNTY **	TOTAL SHEETS 48	SHEET NO. 19
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Johnson, Depp & Ouisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT DATE = Apr-06-2010 10:25:49AM	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
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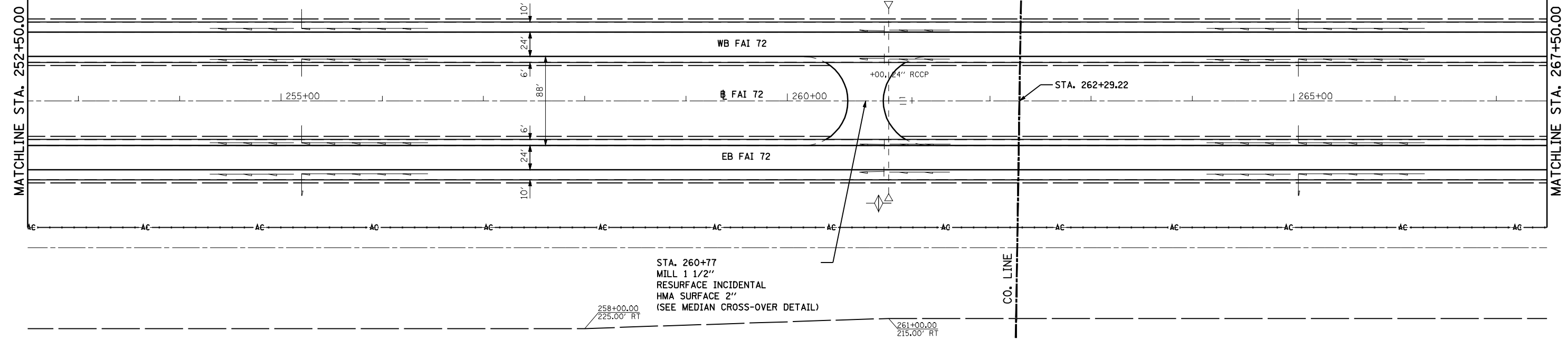
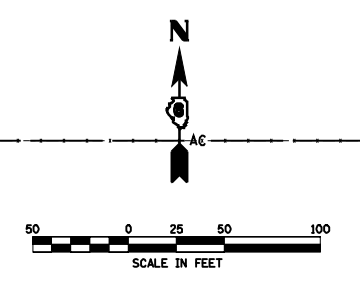
• 86-10RS-3, 69-6RS-2, 69-IRS
 ** SCOTT, MORGAN



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Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 72A16				
	PLOT DATE = Apr-06-2010 10:26:10AM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

END SECTION 86-10 (RS-3) BEGIN SECTION 69-6 (RS-2)

SCOTT COUNTY MORGAN COUNTY

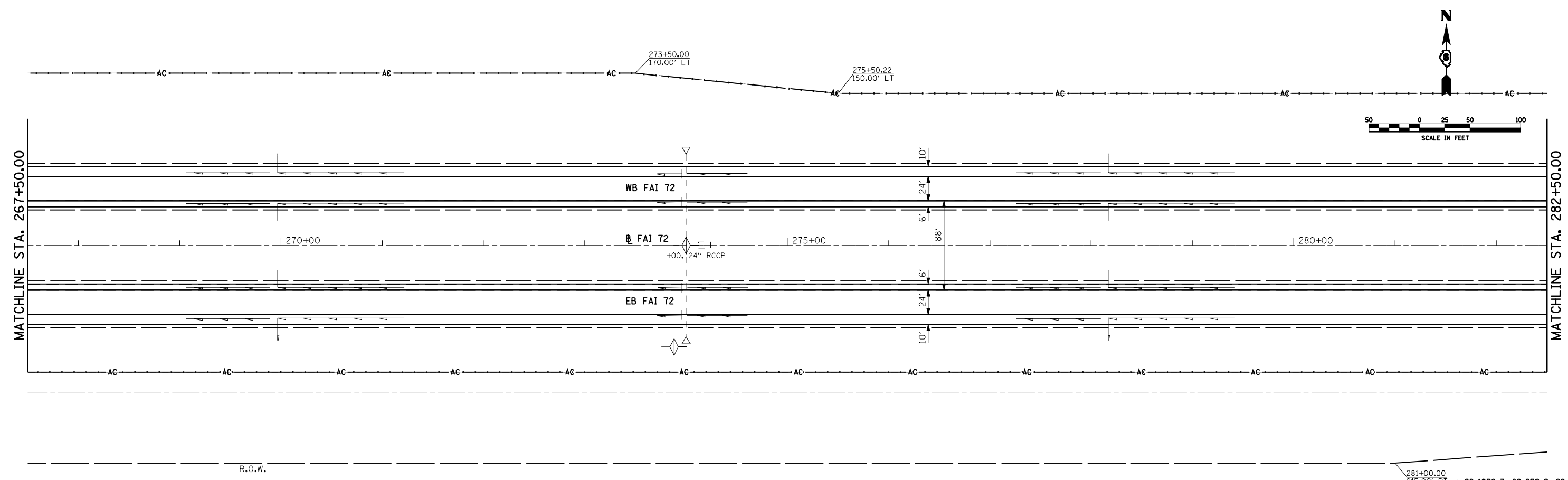


STA. 260+77
MILL 1 1/2"
RESURFACE INCIDENTAL
HMA SURFACE 2"
(SEE MEDIAN CROSS-OVER DETAIL)

258+00.00
225.00' RT

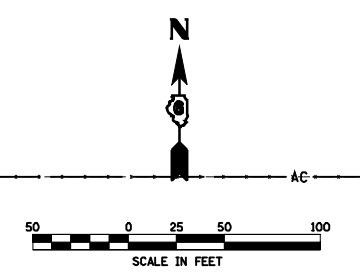
261+00.00
215.00' RT

CO. LINE



273+50.00
170.00' LT

275+50.22
150.00' LT



R.O.W.

281+00.00
215.00' RT

86-10RS-3, 69-6RS-2, 69-IRS
SCOTT, MORGAN

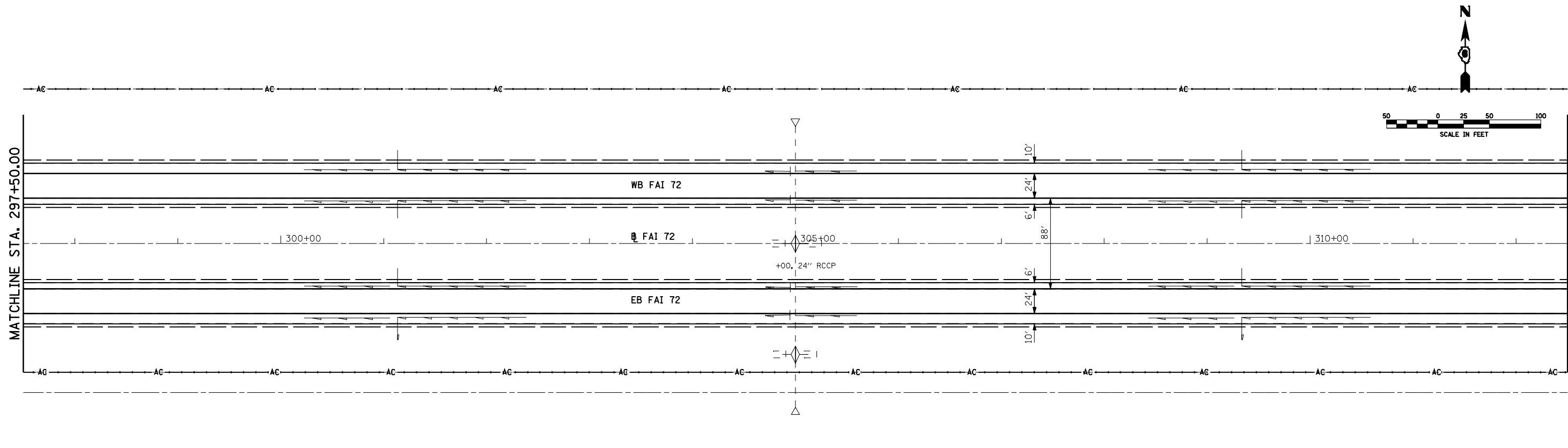
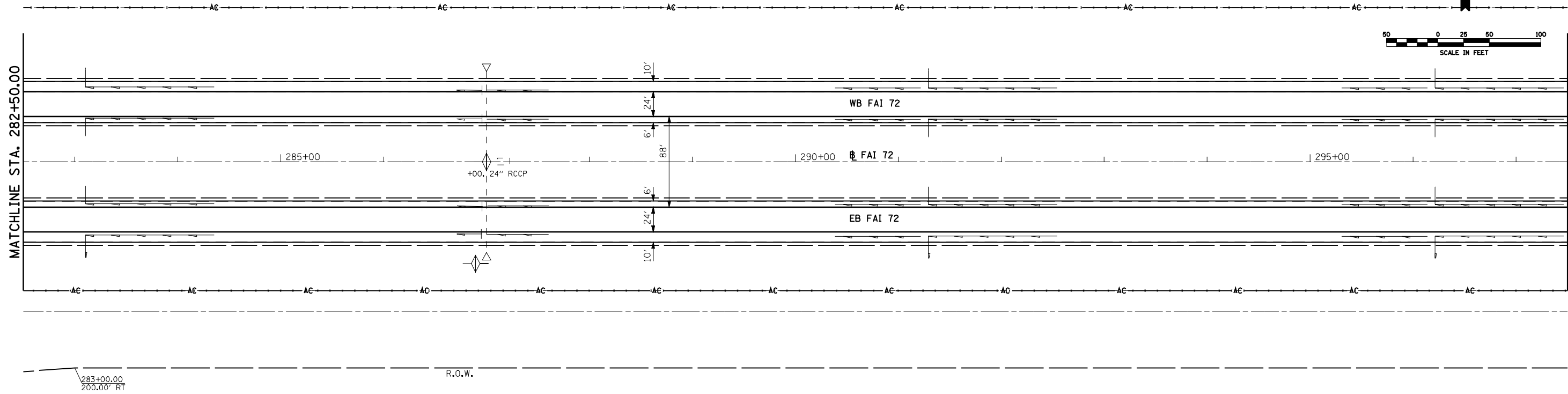
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET FAI 72

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	.	**	48	21
CONTRACT NO. 72A16			ILLINOIS FED. AID PROJECT	



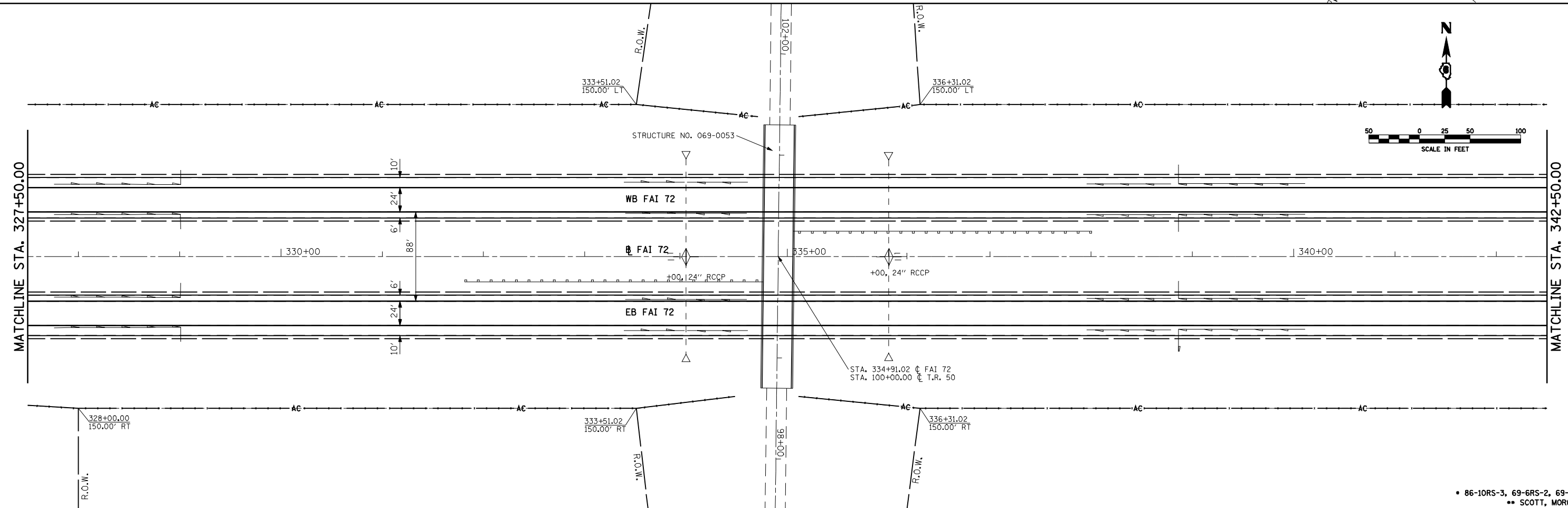
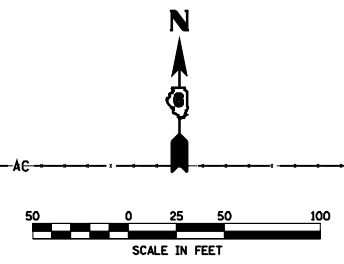
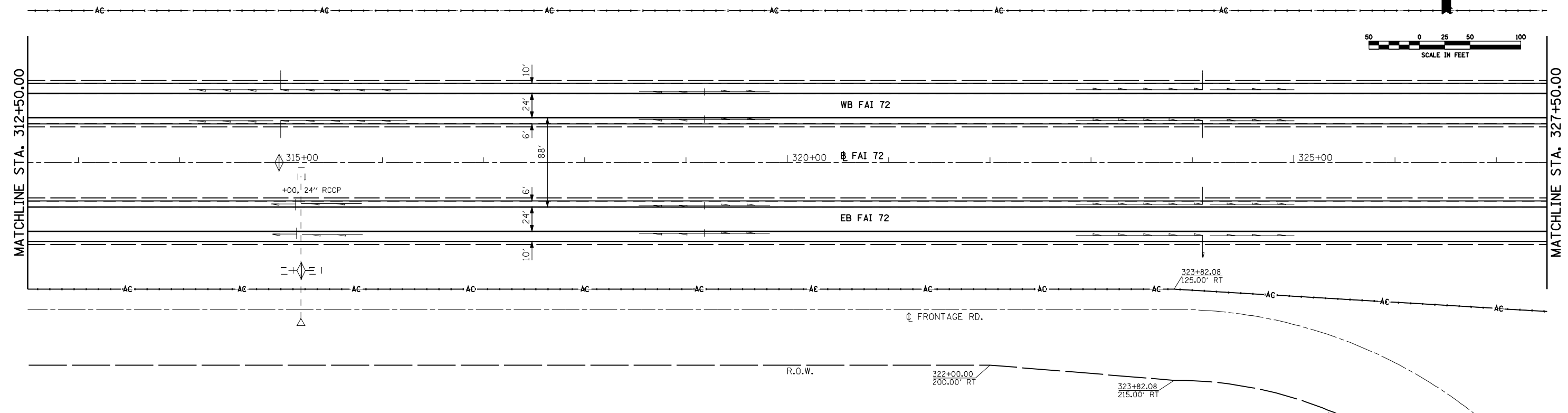
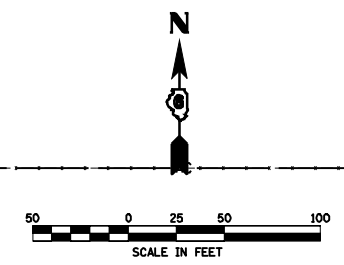
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET FAI 72				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	**	48	22
CONTRACT NO. 72A16				
ILLINOIS FED. AID PROJECT				

• 86-10RS-3, 69-6RS-2, 69-IRS
•• SCOTT, MORGAN



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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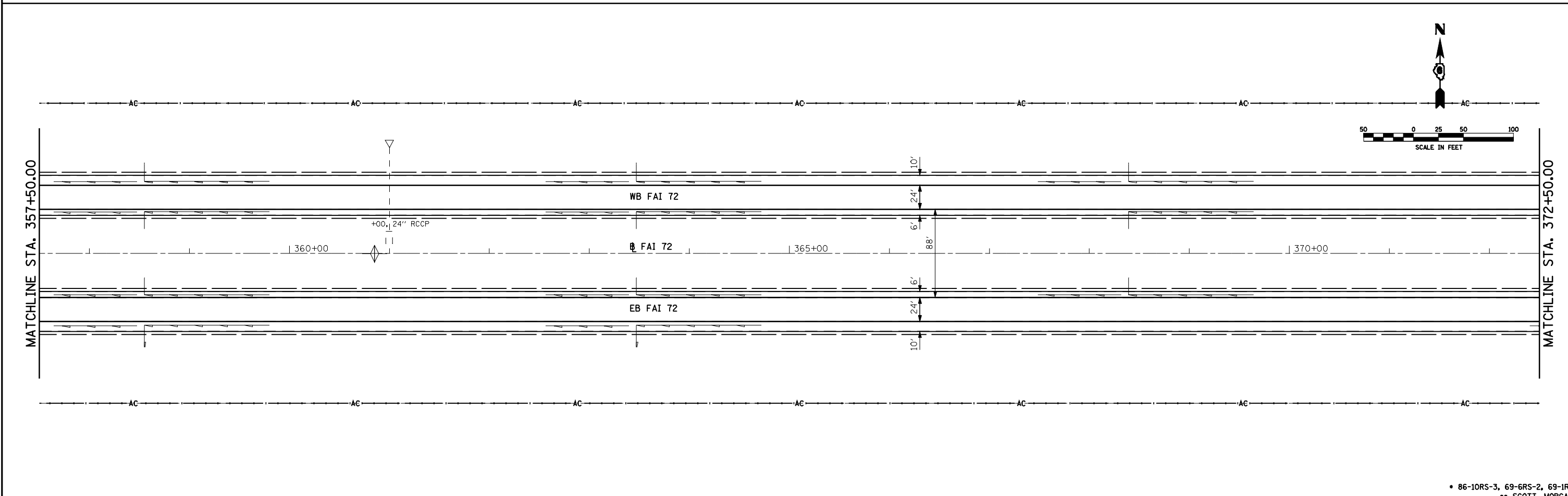
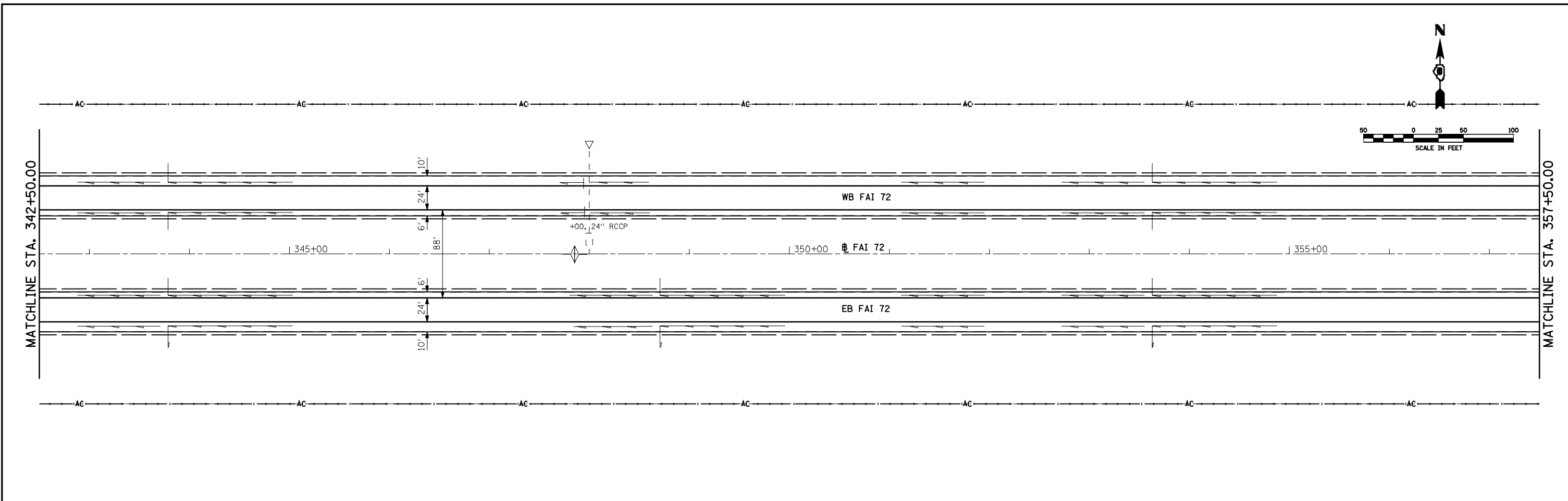
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET FAI 72			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	.	**	48	23
CONTRACT NO. 72A16				
ILLINOIS FED. AID PROJECT				

• 86-10RS-3, 69-6RS-2, 69-IRS
•• SCOTT, MORGAN



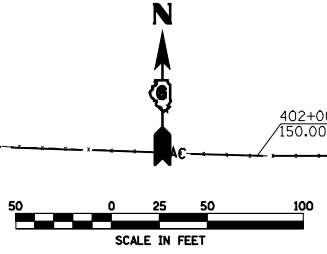
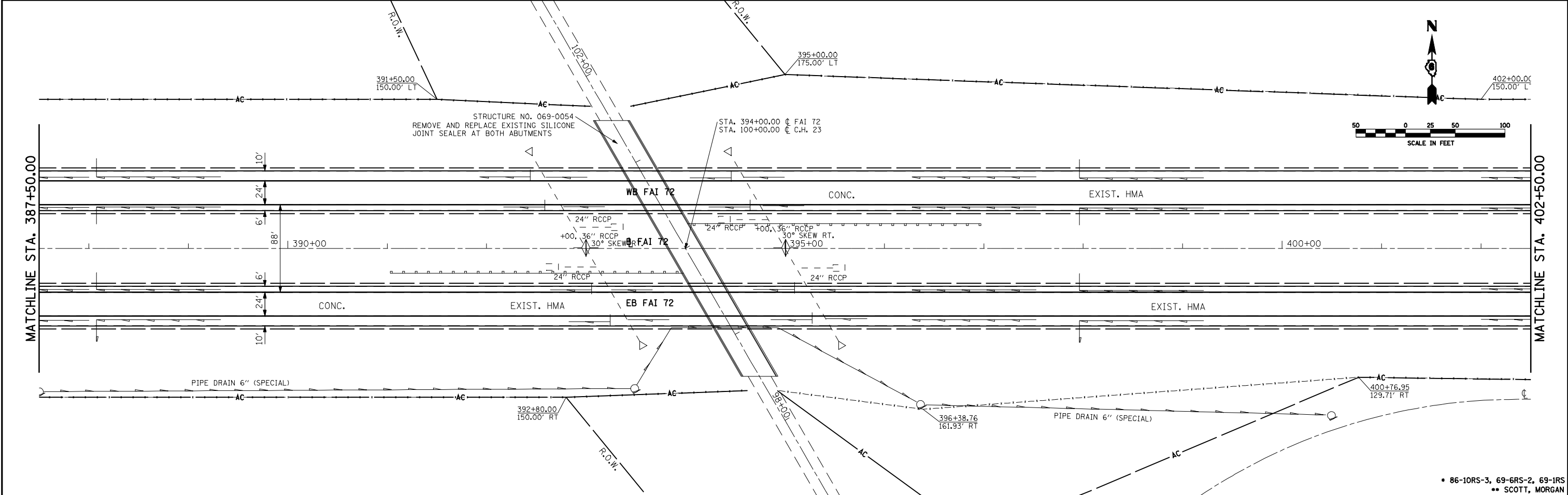
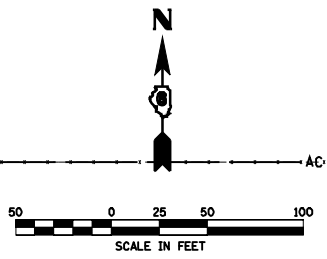
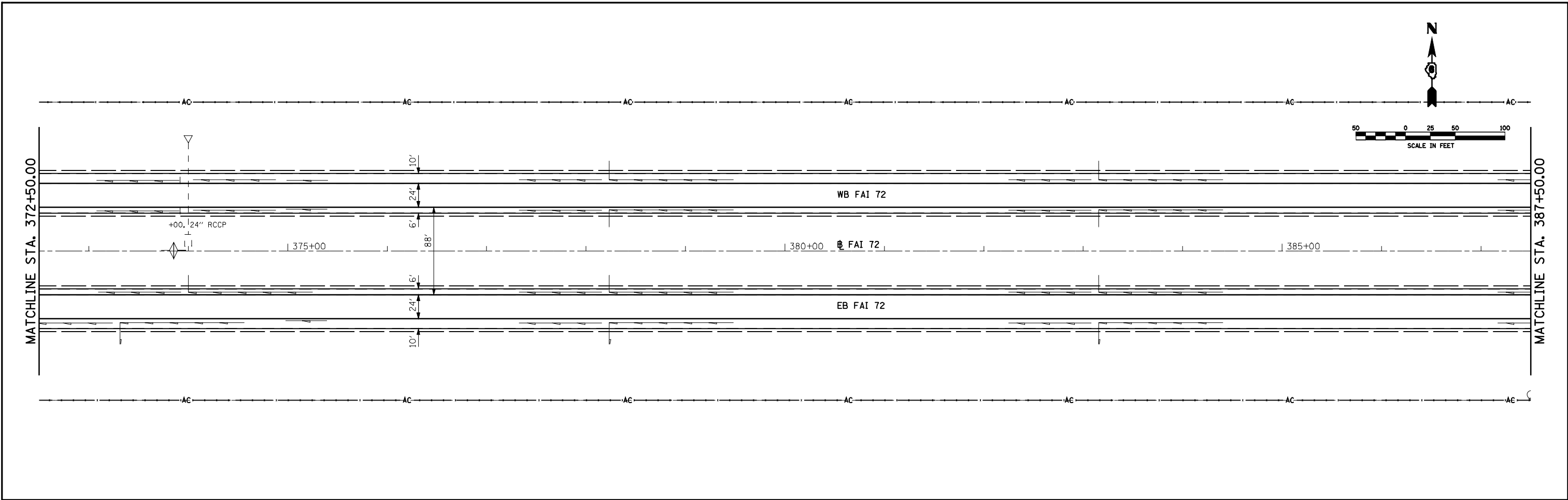


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• 86-10RS-3, 69-6RS-2, 69-IRS
** SCOTT, MORGAN

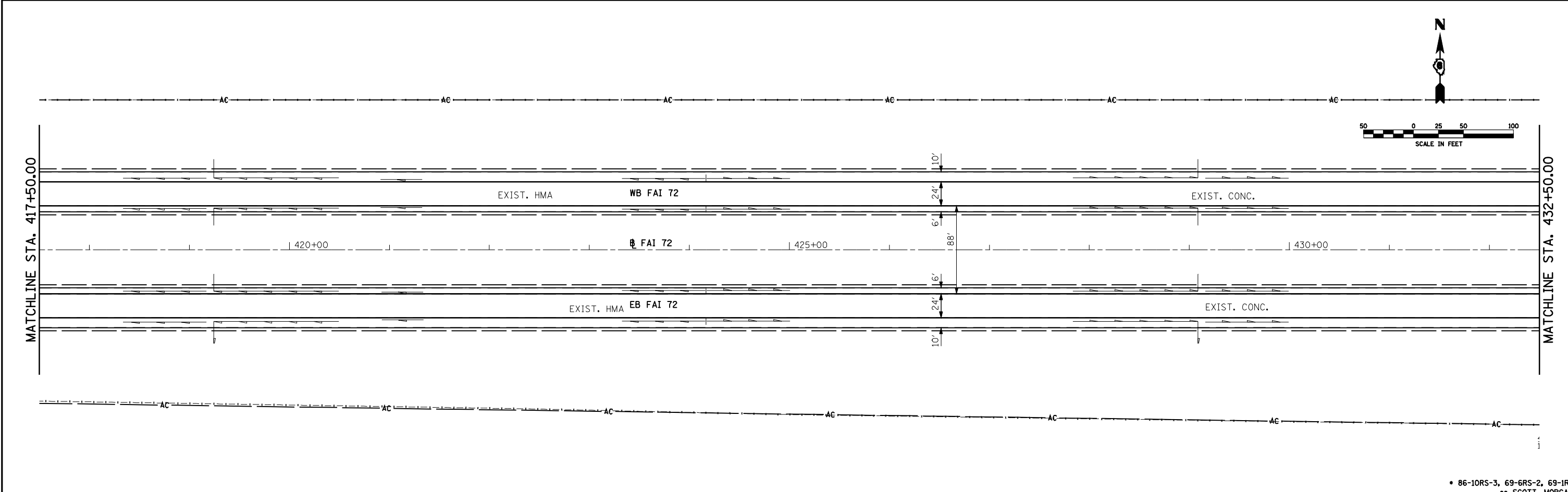
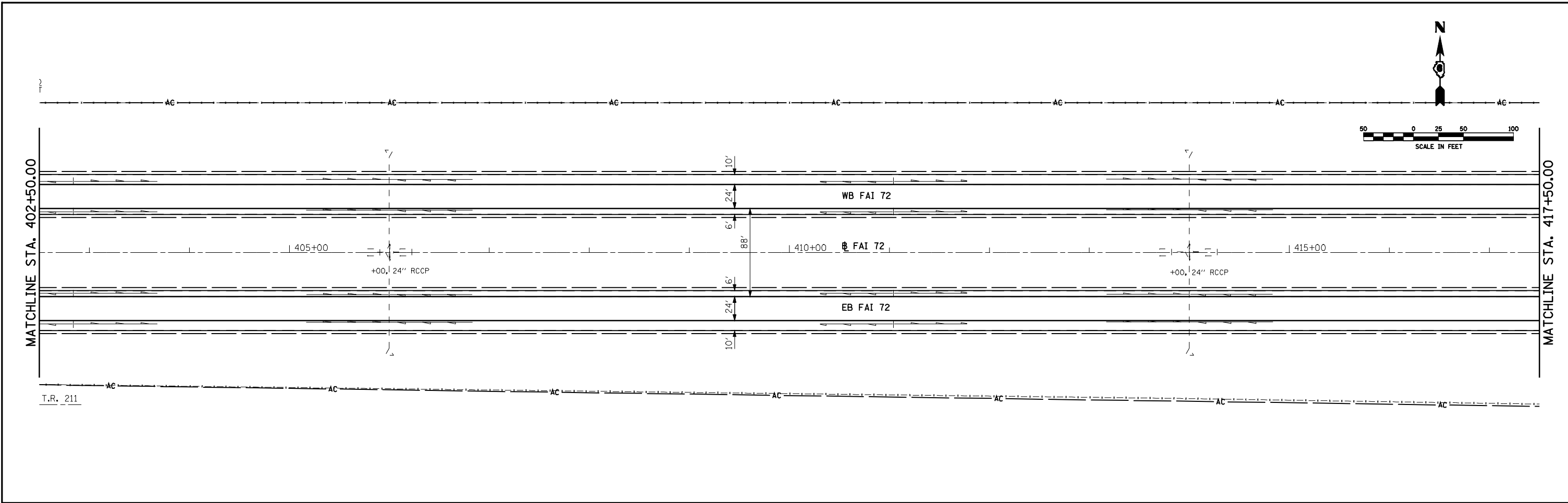


ILLINOIS FED. AID PROJECT



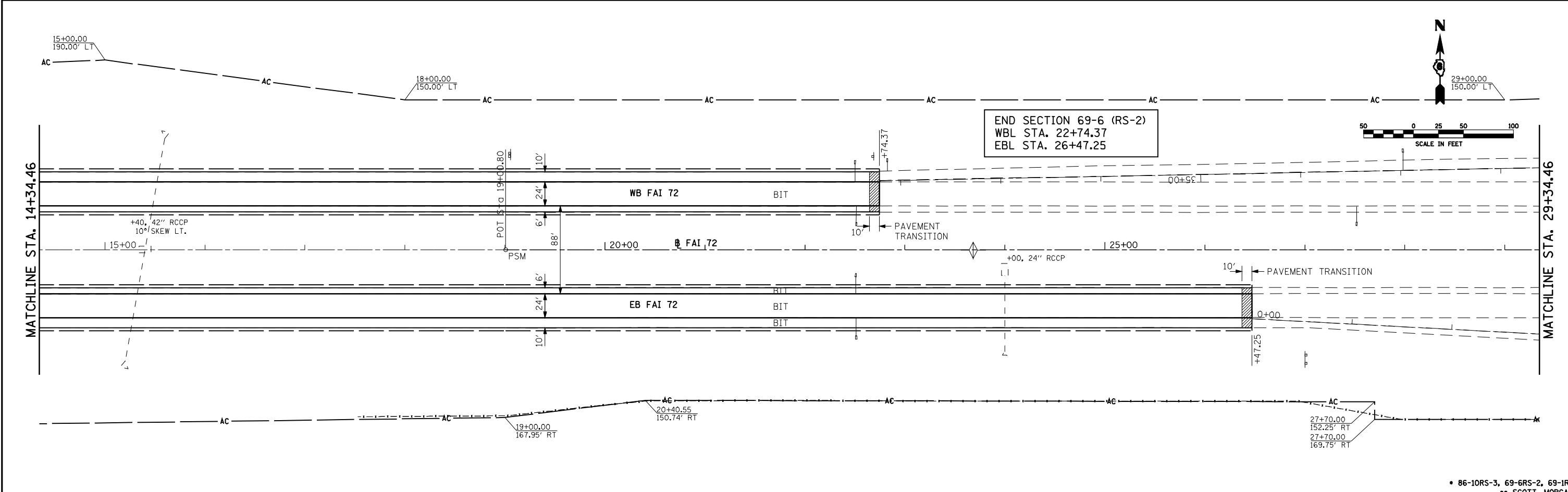
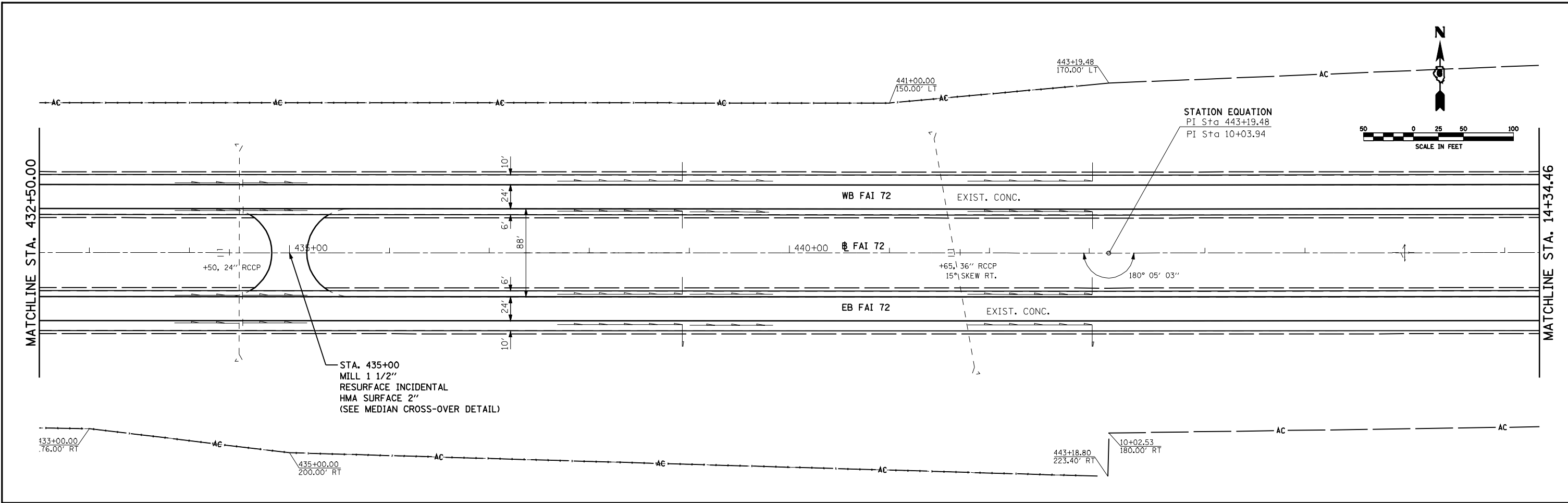
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	SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT						

• 86-10RS-3, 69-6RS-2, 69-IRS
 ** SCOTT, MORGAN



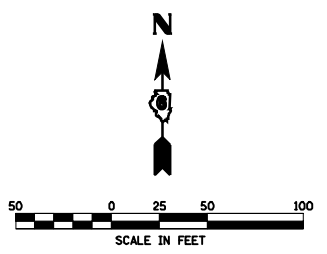
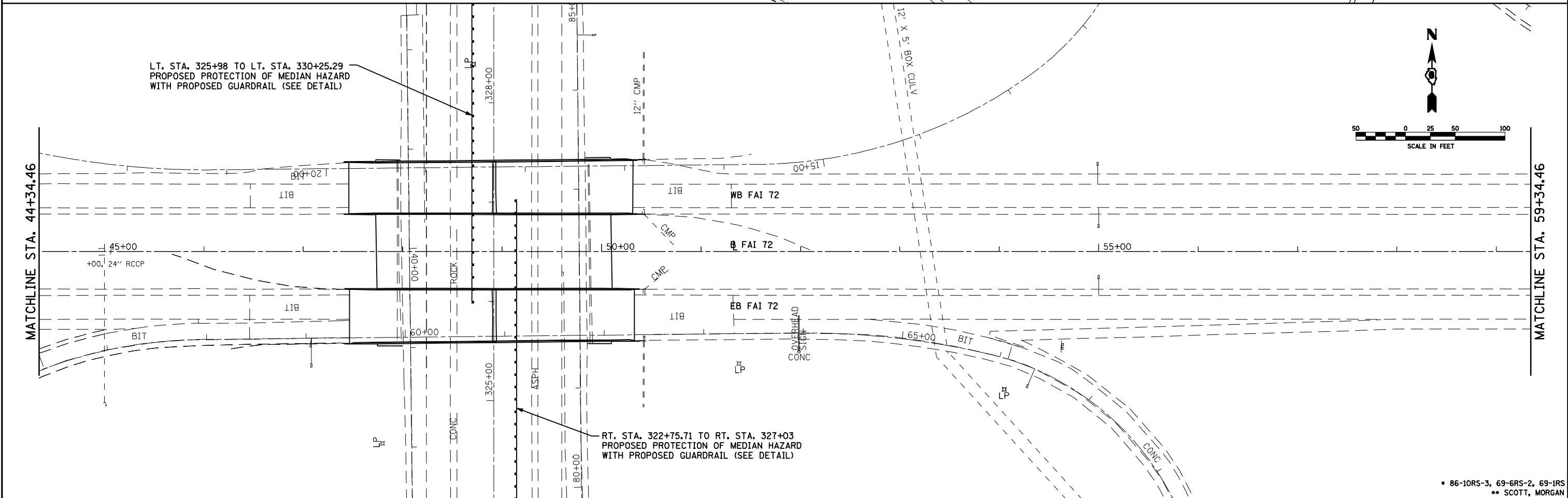
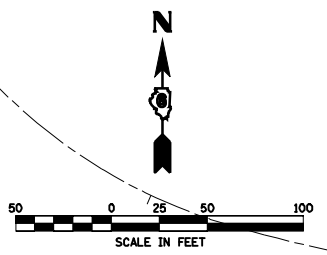
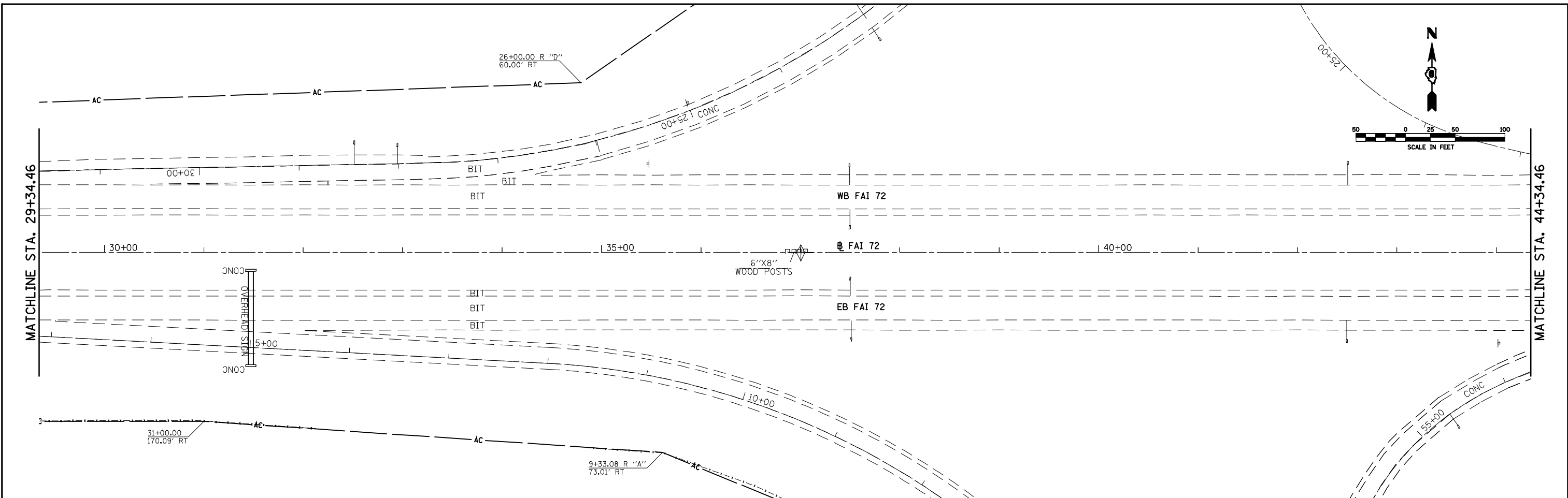
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• 86-10RS-3, 69-6RS-2, 69-IRS
** SCOTT, MORGAN



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	PLOT SCALE = 100.0000' / IN. PLOT DATE = Apr-06-2010 10:28:26AM	SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT				

• 86-10RS-3, 69-6RS-2, 69-IRS
•• SCOTT, MORGAN



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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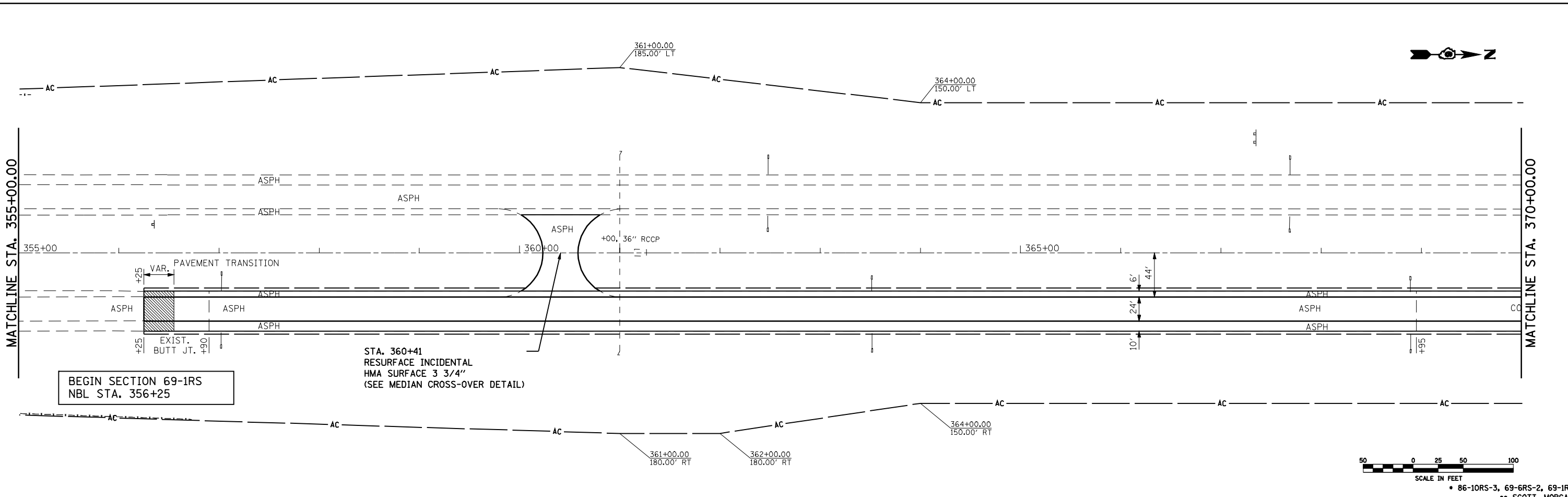
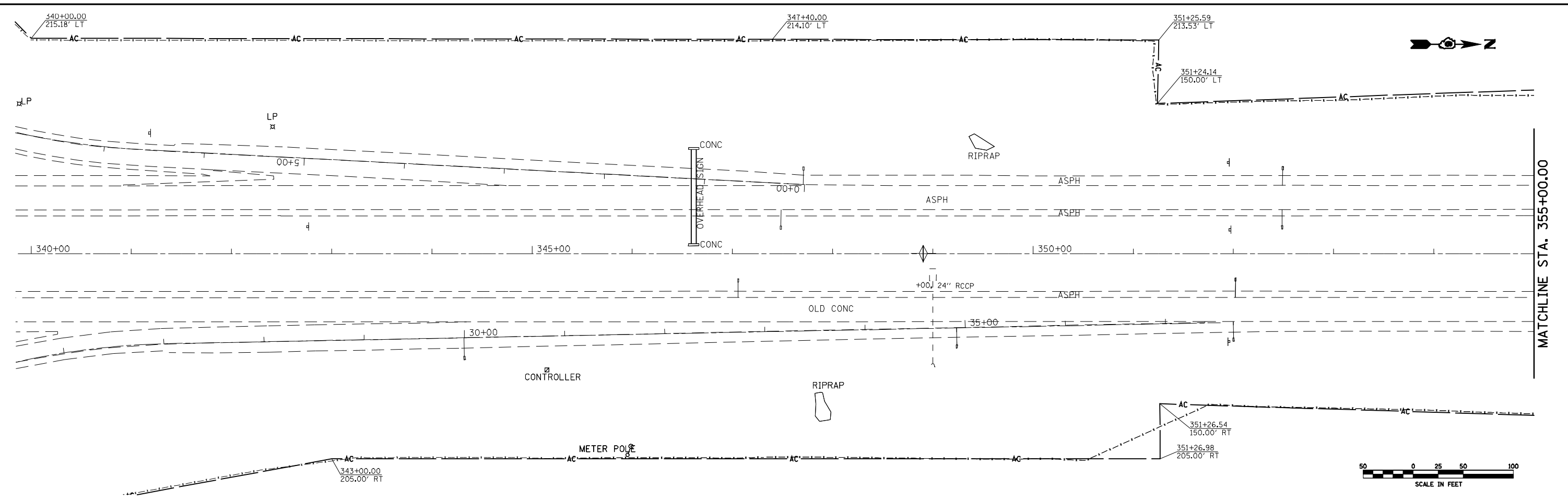
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET FAI 72				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

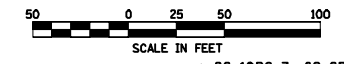
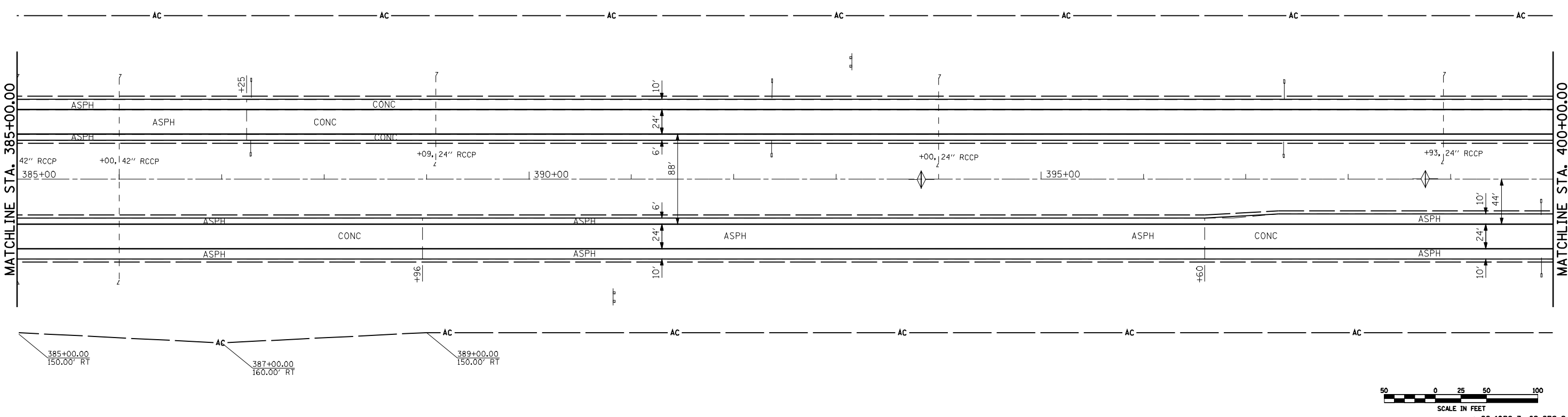
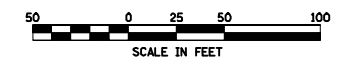
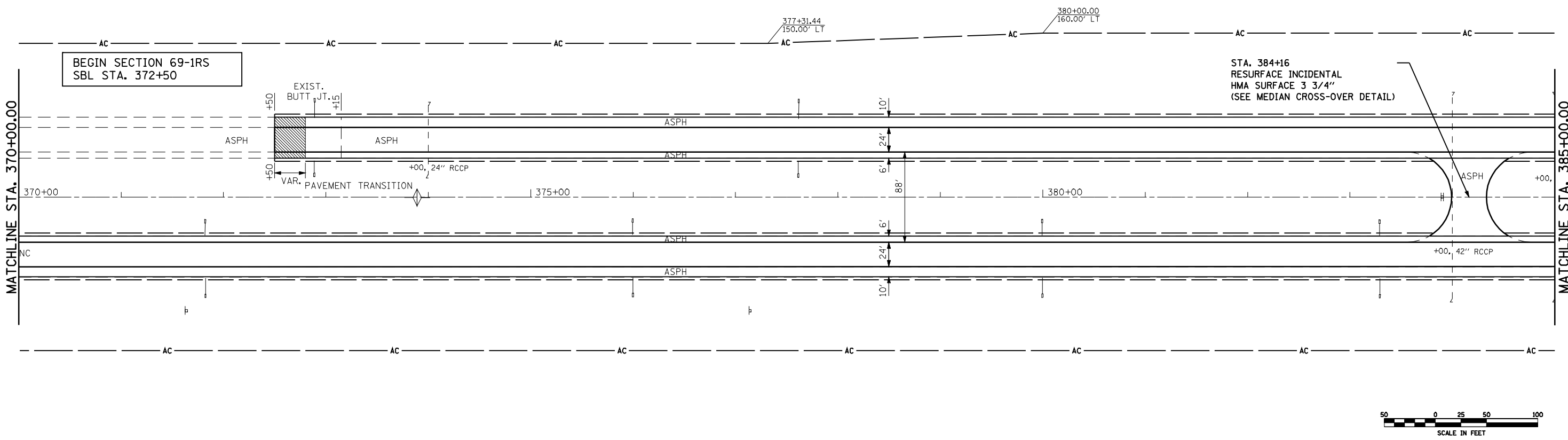
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	.	**	48	28
CONTRACT NO. 72A16				
ILLINOIS FED. AID PROJECT				

• 86-10RS-3, 69-6RS-2, 69-IRS
•• SCOTT, MORGAN





FILE NAME = e:\pwwork\p\WIDOT\LAUGHLINRL\0196700\0672A16-SHT-plan1.dgn 	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET US 67			F.A.I. RTE. 72	SECTION *	COUNTY **	TOTAL SHEETS 48	SHEET NO. 29
	PLOT SCALE = 100.0000' / IN. PLOT DATE = Apr-06-2010 10:29:06AM	DRAWN -	CHECKED -		DATE -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 72A16 ILLINOIS FED. AID PROJECT	



86-10RS-3, 69-6RS-2, 69-1RS
 ** SCOTT, MORGAN

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
er:\pwwork\pwidot\LAUGHLINRL\0196700\0672A16-SHT-plan1.dgn		DRAWN -	REVISED -
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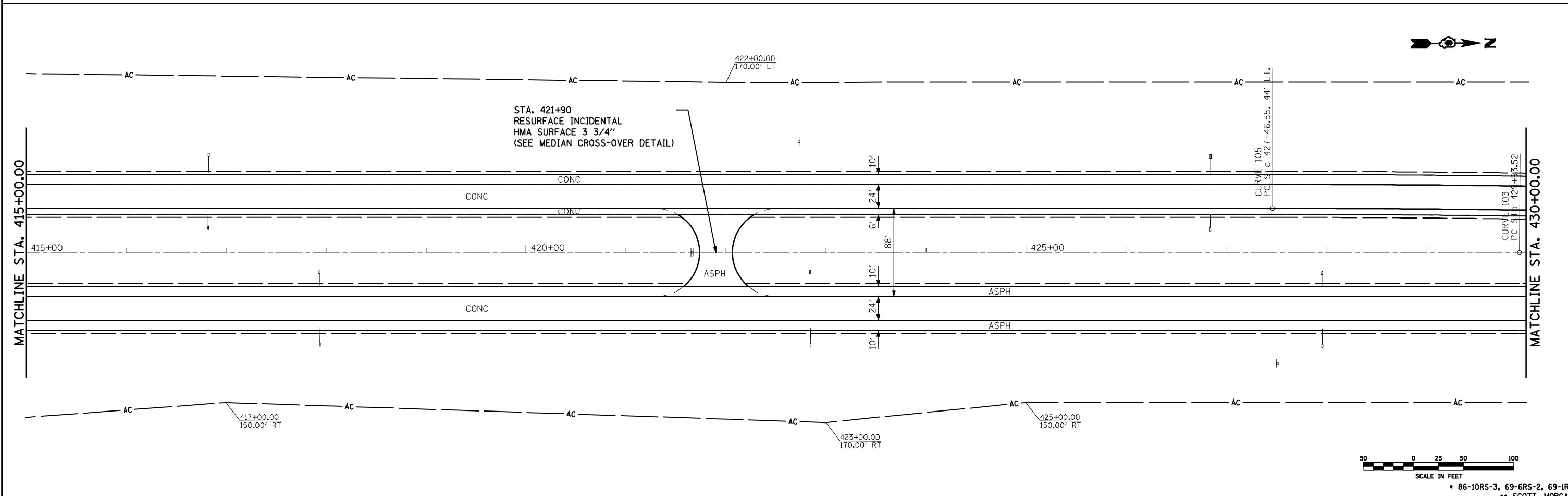
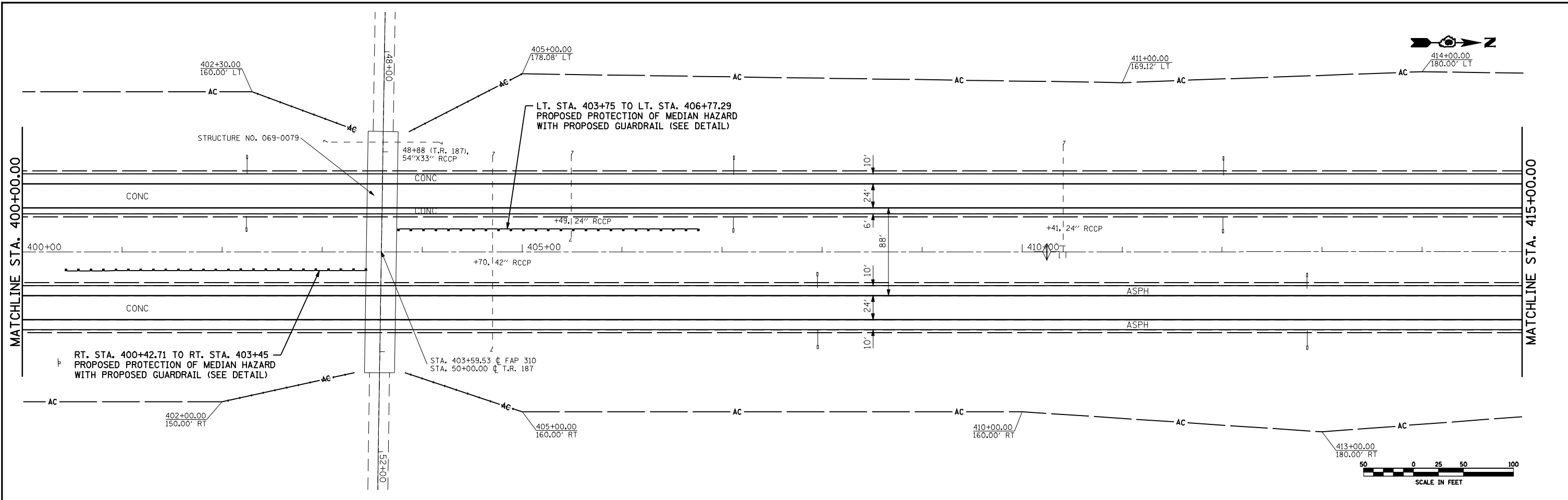
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET US 67

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	**	48	30
CONTRACT NO. 72A16			ILLINOIS FED. AID PROJECT	



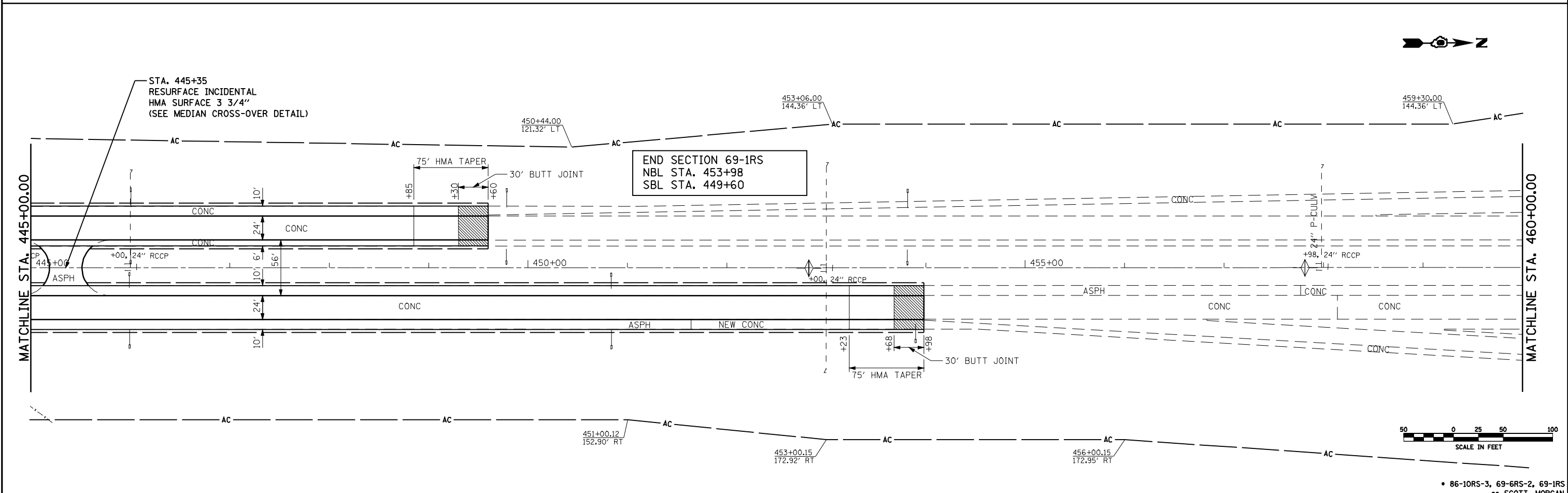
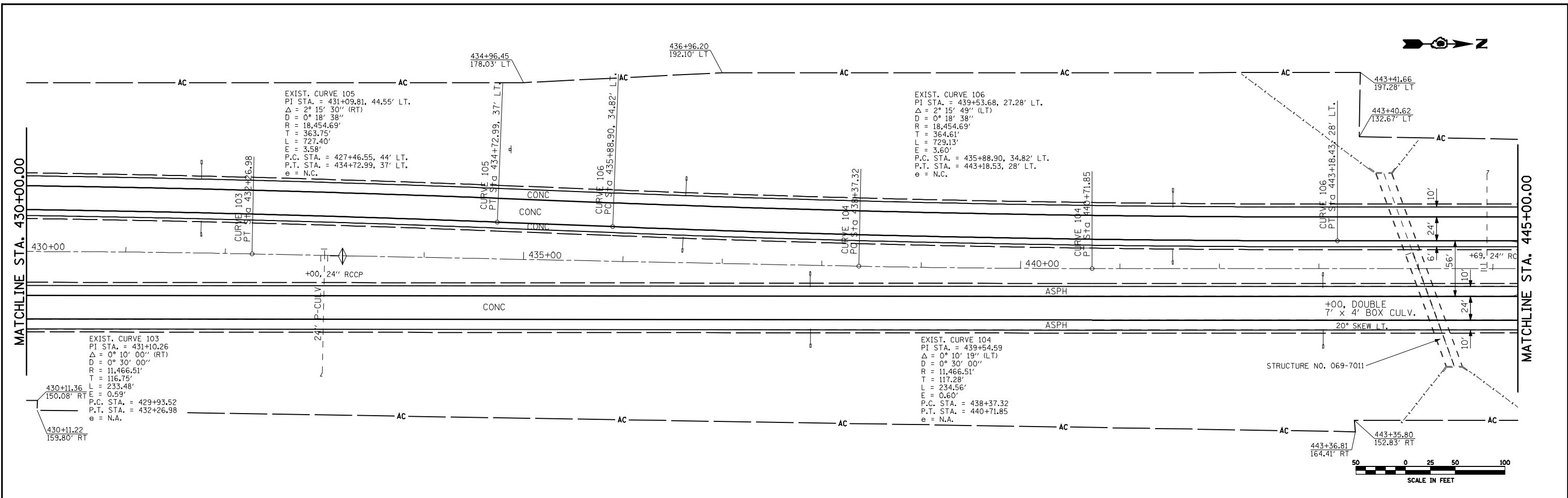


FILE NAME = USER NAME = laughlinr1 DESIGNED - DRAWN - CHECKED - DATE -	REVISIONS: REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET US 67		F.A.I. RTE. 72	SECTION .	COUNTY **	TOTAL SHEETS 48	SHEET NO. 31
			SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.	CONTRACT NO. 72A16 ILLINOIS FED. AID PROJECT		

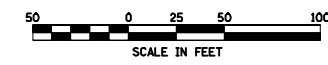
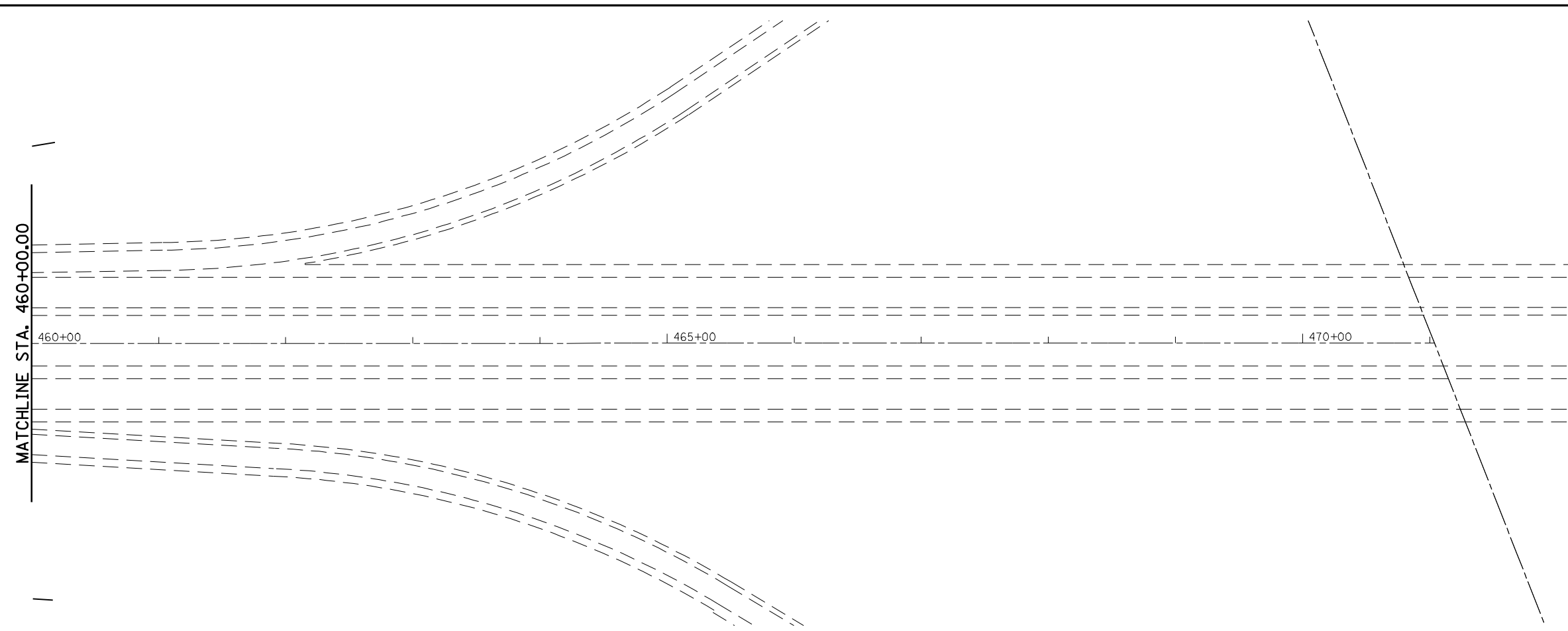
Johnson, Depp & Quisenberry
 CONSULTING ENGINEERS
 Springfield, Illinois

PLOT SCALE = 100.0000' / IN.
 PLOT DATE = Apr-06-2010 10:29:45AM

• 86-10RS-3, 69-6RS-2, 69-IRS
 ** SCOTT, MORGAN



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET US 67			F.A.I. RTE. = 72	SECTION = .	COUNTY = **	TOTAL SHEETS = 48	SHEET NO. = 32
er:\pwwork\pwidot\LAUGHLINRL\0196700\0672A16-SHT-plan1.dgn	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 72A16		
	PLOT DATE = Apr-06-2010 10:30:05AM	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



• 86-10RS-3, 69-6RS-2, 69-IRS
 ** SCOTT, MORGAN

FILE NAME = e:\pwwork\pwwid\LAUGHLIN\l\0196700\0672A16-SHT-plan1.dgn	USER NAME = laughlinr1	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

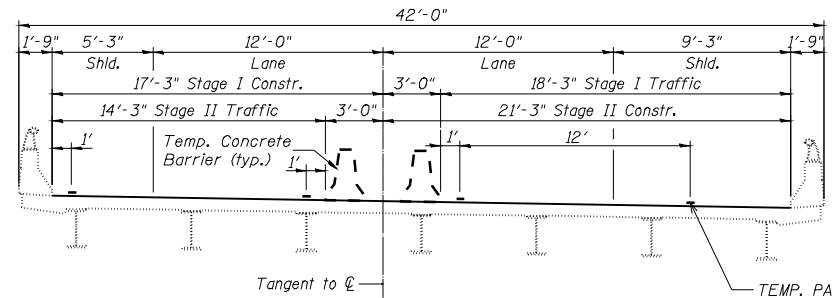
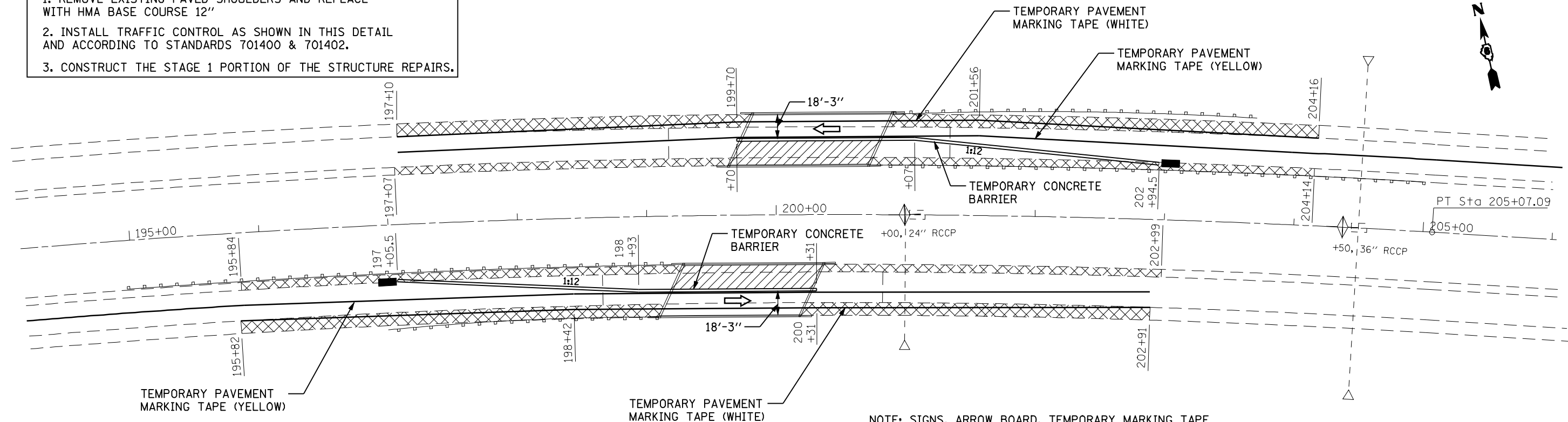
PLAN SHEET US 67

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	**	48	33
CONTRACT NO. 72A16				
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.

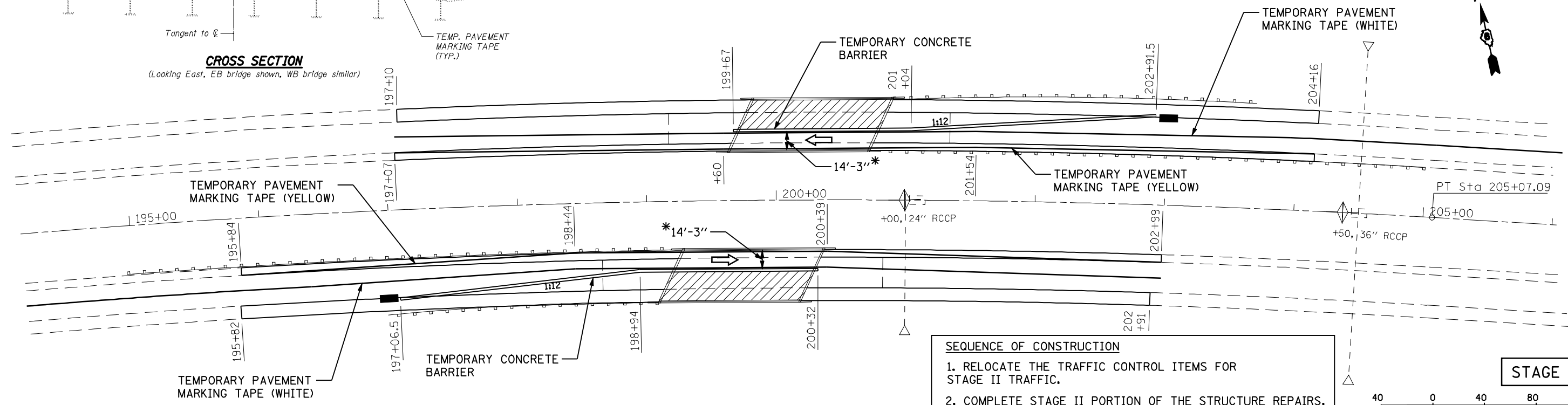


CROSS SECTION
(Looking East, EB bridge shown, WB bridge similar)

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

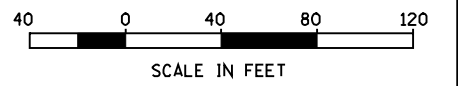
STAGE I



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.

*SEE WIDTH RESTRICTION SIGNING DETAIL



STAGE II

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLAN SN 086-0023(EB) & 0024(WB)				F.A.I. RTE. = 72	SECTION =	COUNTY =	TOTAL SHEETS = 48	SHEET NO. = 34
er:\pwork\p\WIDOT\LAUGHLINRL\0196700\0672A16-Sht-staging.dgn	PLOT SCALE = 0.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 72A16		
Johnson, Depp & Ouisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT DATE = Apr-06-2010 10:30:27AM	CHECKED -	REVISED -										
		DATE -	REVISED -										

EXISTING STRUCTURE: S.N. 086-0023(EB) & 0024(WB), originally constructed in 1976 as FA Route 408 Sec. 86-10B at Station 200+00.00; using 24" steel I-beams with 7 1/2" concrete deck and 1 1/2" bituminous wearing surface, 3 spans, 110'-0" back-back abutments, 42'-0" out-out width, stub abutments on steel H-piles, wall piers with footings on steel H-piles. Wearing surface was replaced with microsilica concrete overlay in 2005.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

Sheet No.	Description
1	Gen Plan, Gen Notes, Bill of Mat'l
2	Temporary Concrete Barrier
3-4	Superstructure
5	Preformed Joint Strip Seal
6	Abutments
7	Bar Splicer Assembly Details

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

The deck surface shall have its final finish coat tined according to Article 420.09 (e) (1) of the Standard Specifications. Cost included with Concrete Superstructure.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.

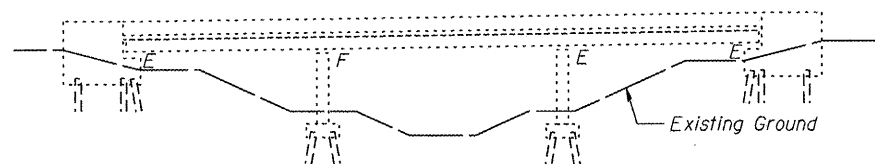
Protective Coat shall only be applied to new concrete.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

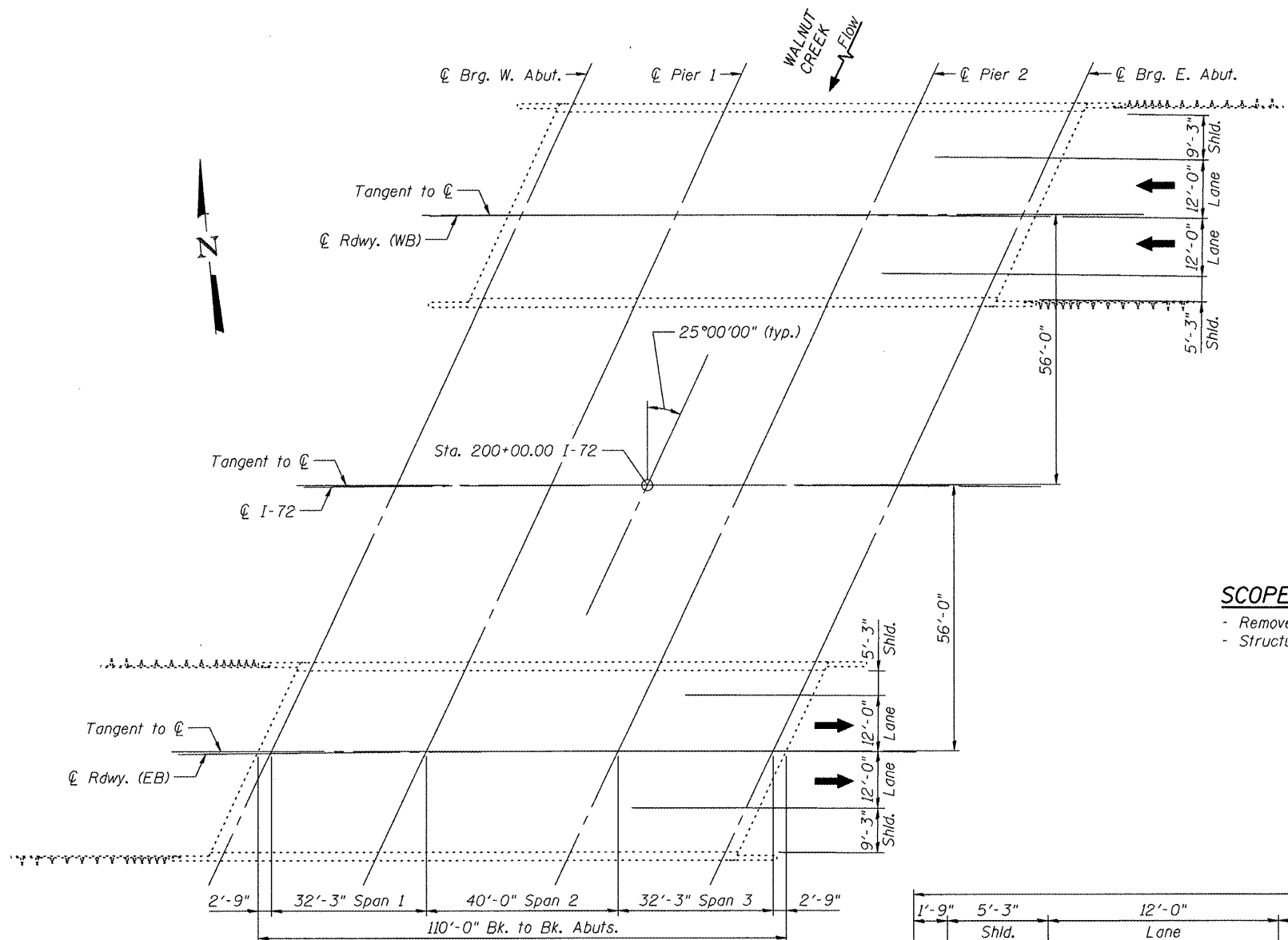
As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by an individual acceptable to the Engineer. Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

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.



ELEVATION



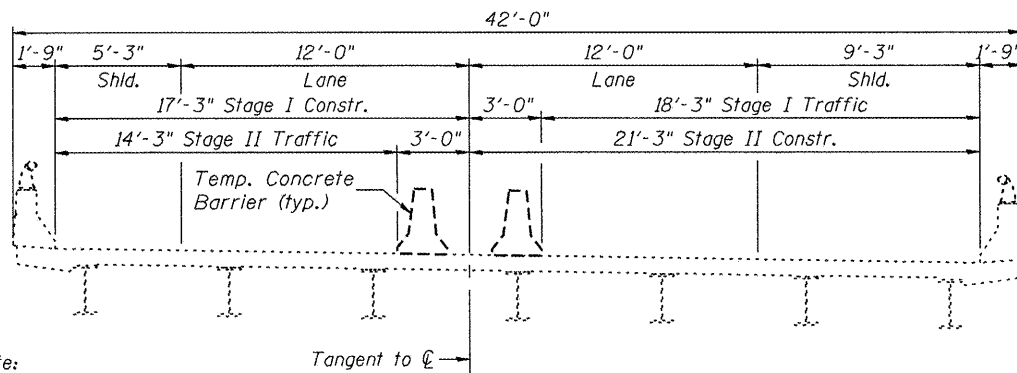
PLAN

SCOPE OF WORK:

- Remove and replace existing expansion joints at both abutments.
- Structural repair of concrete at East abutment.

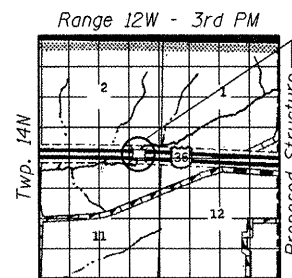
TOTAL BILL OF MATERIAL

ITEM	UNIT	EB	WB	TOTAL
Concrete Removal	Cu Yd	12.6	12.6	25.2
Concrete Superstructure	Cu Yd	12.6	12.6	25.2
Protective Coat	Sq Yd	33	33	66
Reinforcement Bars, Epoxy Coated	Pound	2050	2050	4100
Bar Splicers	Each	28	28	56
Preformed Joint Strip Seal	Foot	90	90	180
Structural Repair Of Concrete (Depth = < 5")	Sq Ft	--	9	9



CROSS SECTION

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



LOCATION SKETCH

GENERAL PLAN & ELEVATION
INTERSTATE 72 OVER WALNUT CREEK
FAI RTE. 72 SECTION 86-10(RS-3)
SCOTT COUNTY
STATION 200+00.00
STRUCTURE NO. 086-0023(EB) & 0024(WB)

SHEET NO.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	72	86-10(RS-3)	SCOTT	48	35
7		STA. 200+00.00			
					CONTRACT NO. 72A16

Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

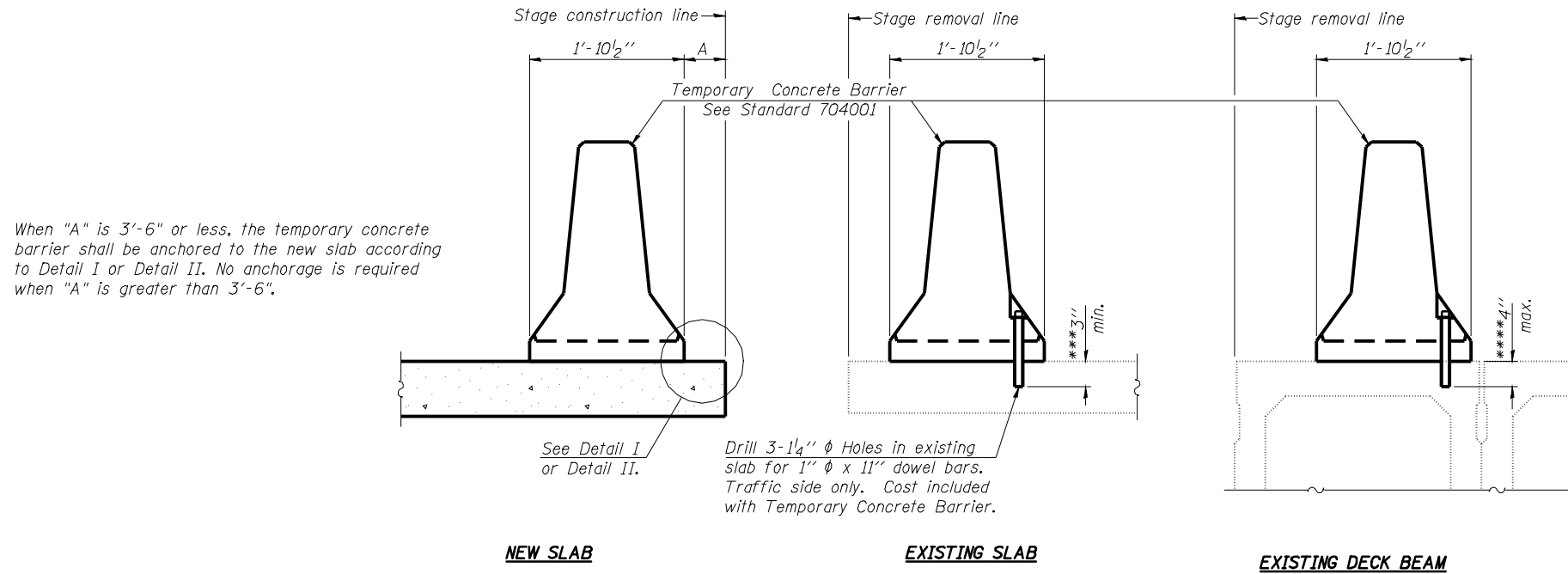


Signed: David Depp
Date: 3-30-2010
Lic. Expires: 11-30-2010

DESIGNED: JDO	DRAWN: SJS
CHECKED: DCD	CHECKED: DCD

Note:
Staging is for information only, to be coordinated with roadway staging.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel PL to the top layer of couplers with 2-5/8" φ bolts screwed to coupler at approximate C of each barrier panel.

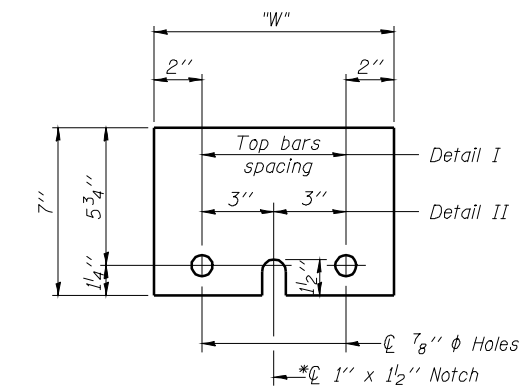
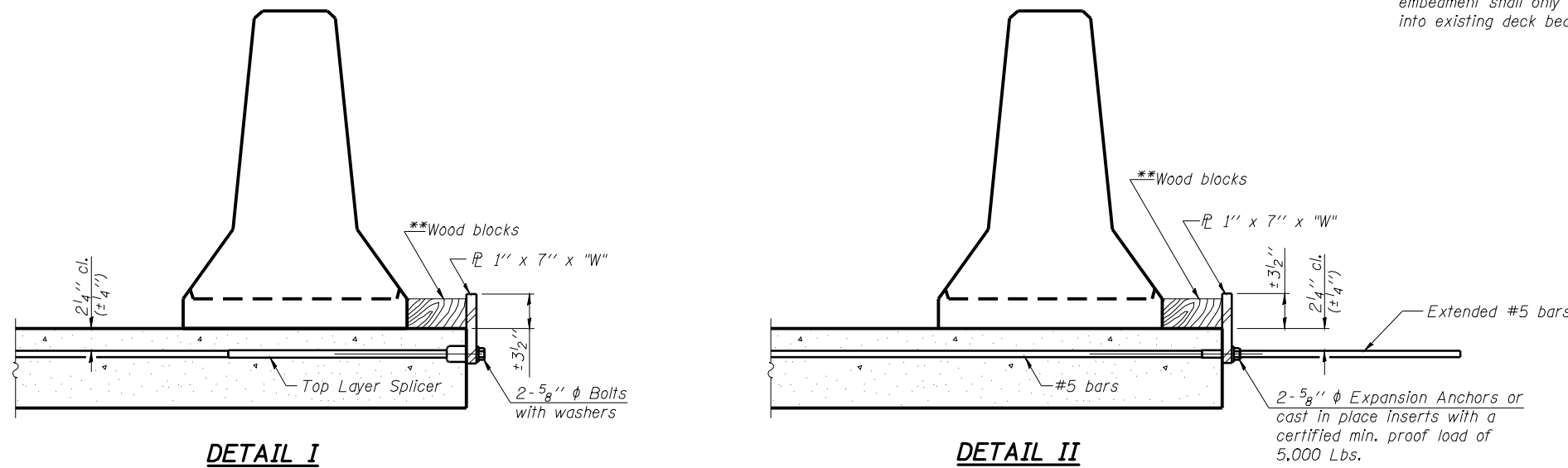
Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel PL to the concrete slab or concrete wearing surface with 2-5/8" φ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate C of each barrier panel.

Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" 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.



STEEL RETAINER PL 1" x 7" x 10"

* 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"

DESIGNED: JDQ	DRAWN: SJS
CHECKED: DCD	CHECKED: DCD

R-27

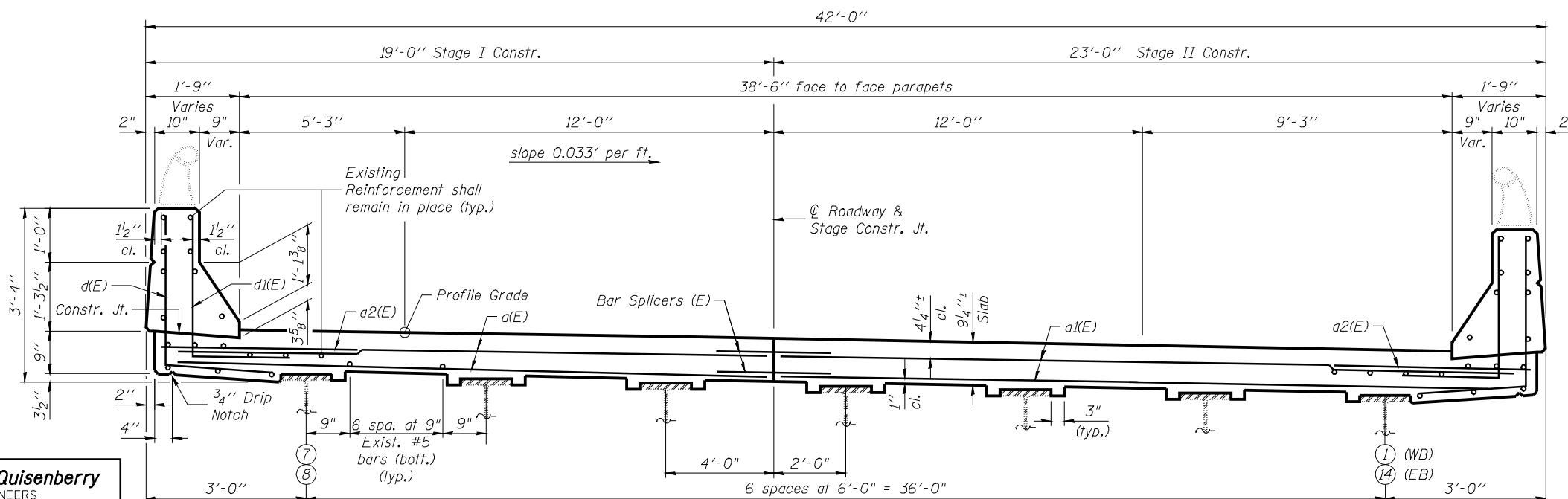
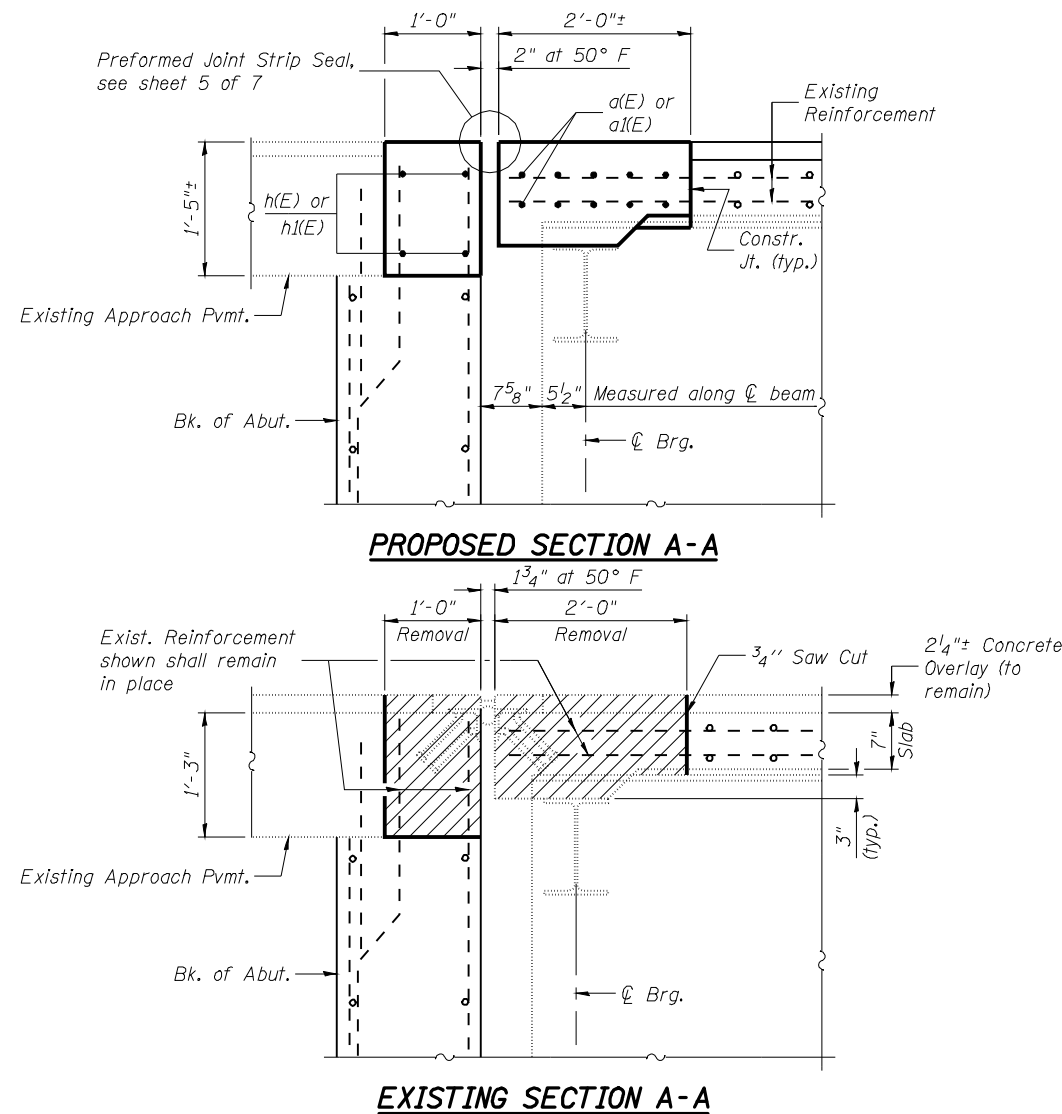
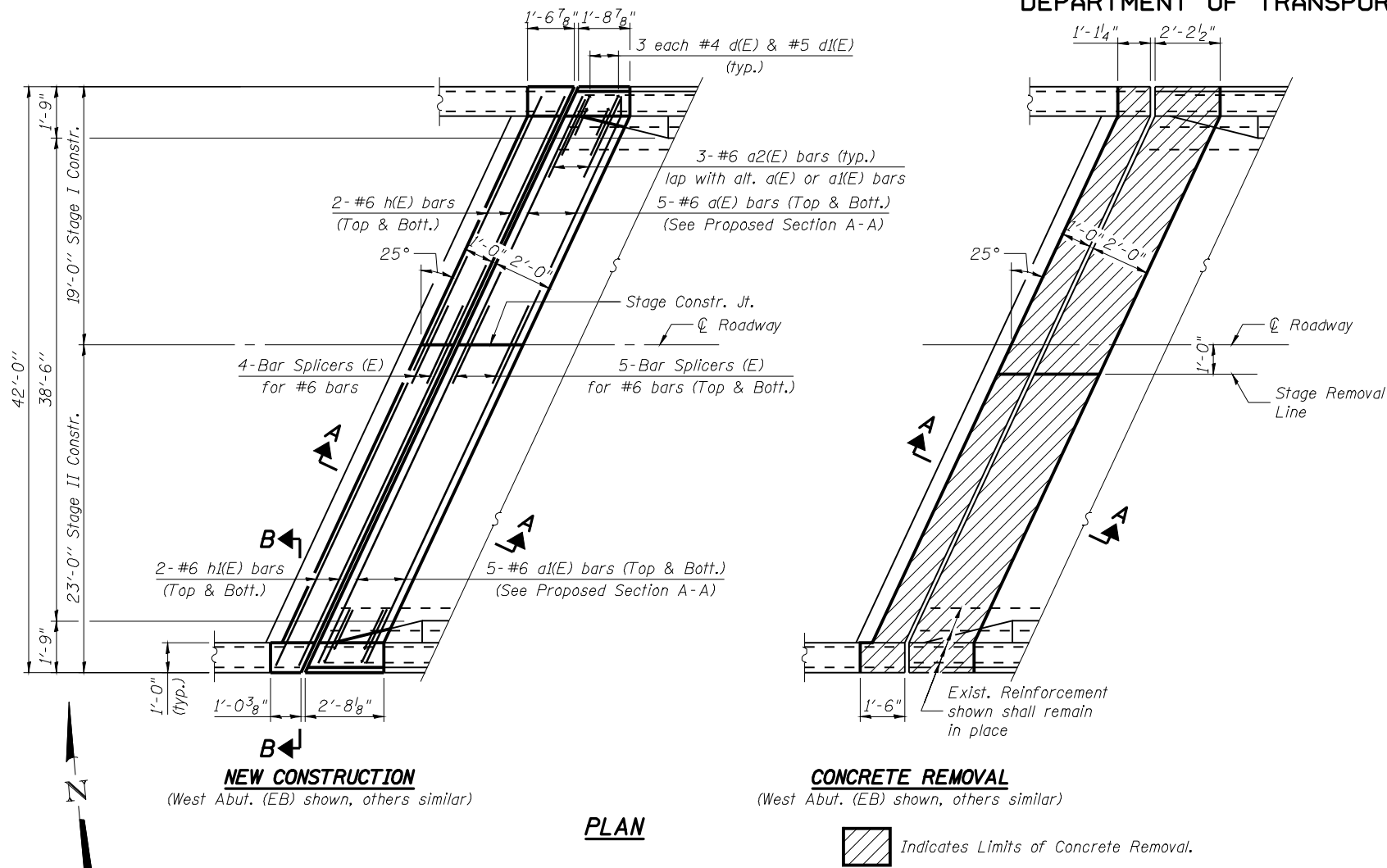
11-1-09

**TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION
STRUCTURE NO. 086-0023(EB) & 0024(WB)**

SHEET 2 OF 7	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	72	86-10(RS-3)	SCOTT	48	36
	STA. 200+00.00		CONTRACT NO. 72A16		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

FILE: \$FILE\$
USER: laughlinr1
DATE: Apr-06-2010 10:03:53AM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Notes:
For Section B-B, Parapet Details and Bill of Material see sheet 4 of 7.

Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: JDQ	DRAWN: PTR
CHECKED: DCD	CHECKED: DCD

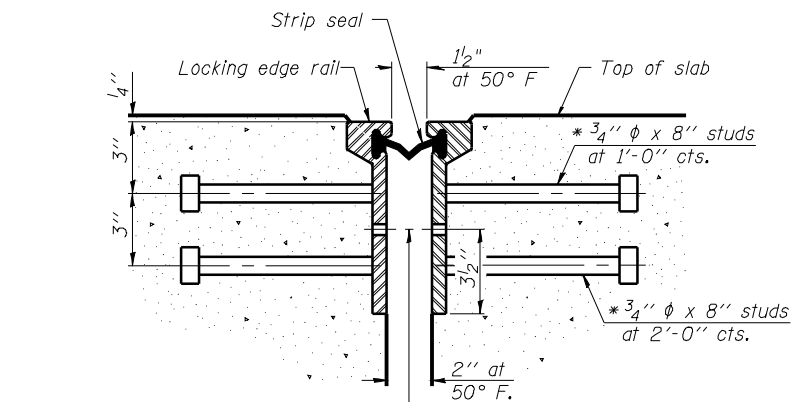
SUPERSTRUCTURE
STRUCTURE NO. 086-0023(EB) & 0024(WB)

SHEET 3 OF 7	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	72	86-10(RS-3)	SCOTT	48	37
	STA. 200+00.00		CONTRACT NO. 72A16		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DATE: Apr-06-2010 10:05:52AM USER: laughlinr1 FILE: \$FILE\$

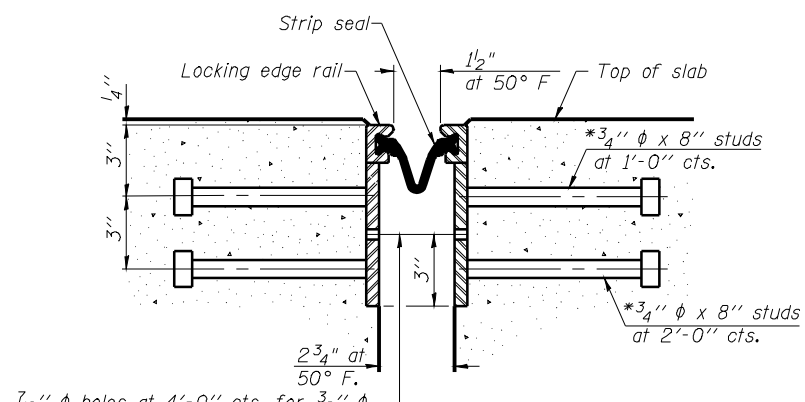
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



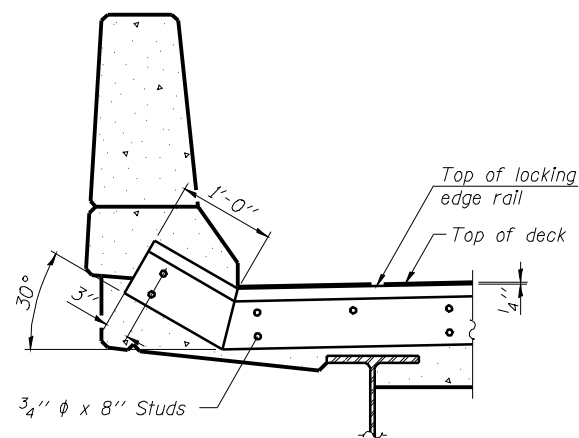
7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU ROLLED RAIL JOINT

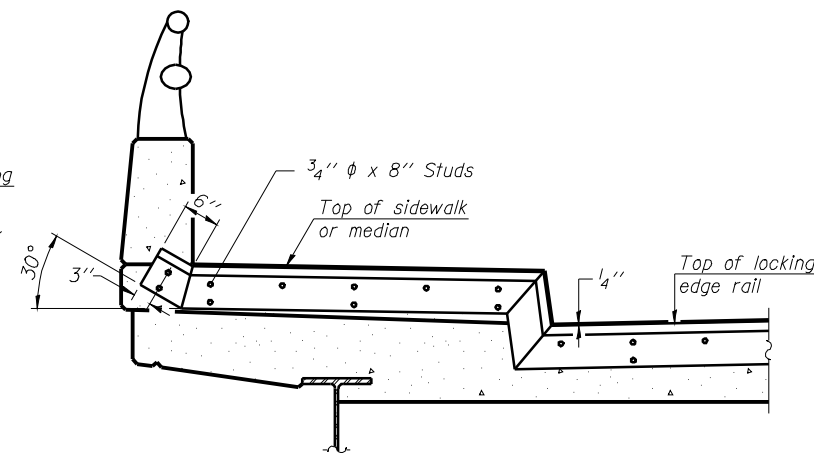


7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

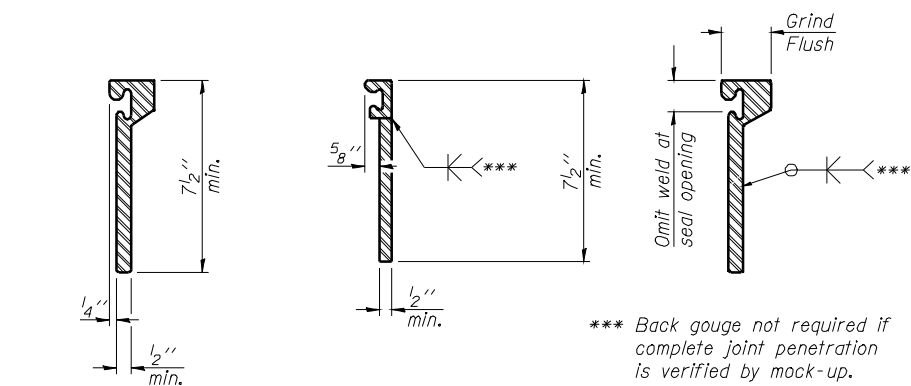
SECTION THRU WELDED RAIL JOINT



AT PARAPET
See Section A-A for end treatment of skews > 30°.



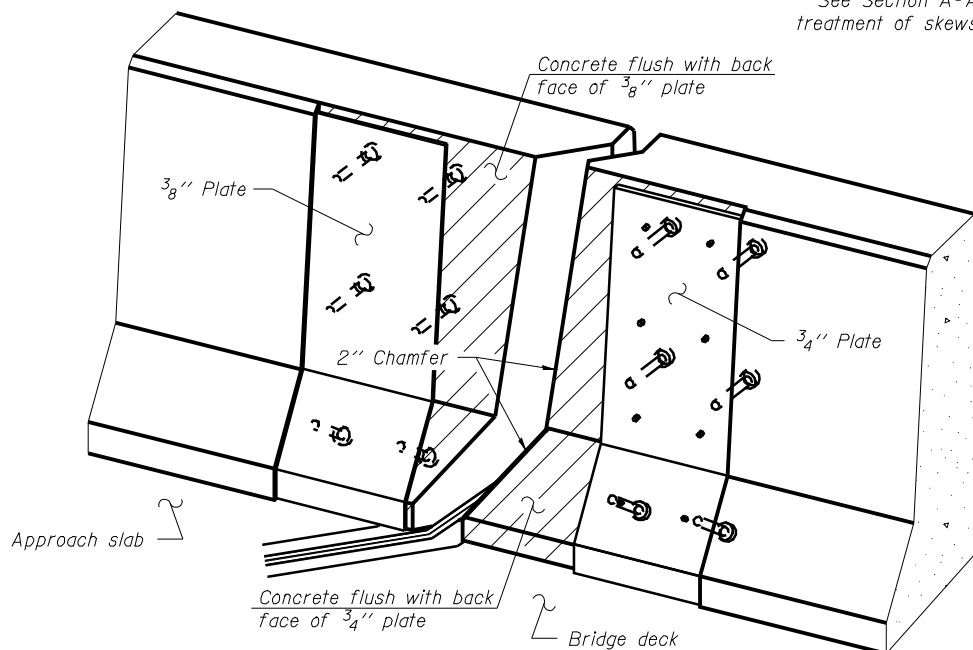
AT SIDEWALK OR MEDIAN
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



ROLLED EXTRUDED RAIL **WELDED RAIL**

LOCKING EDGE RAIL SPLICE

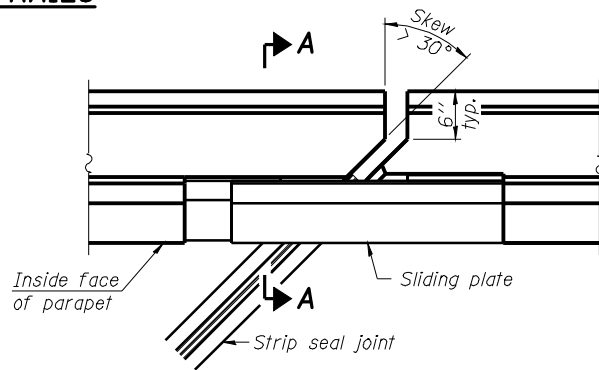
The inside of the locking edge rail groove shall be free of weld residue.
Rolled rail shown, welded rail similar.



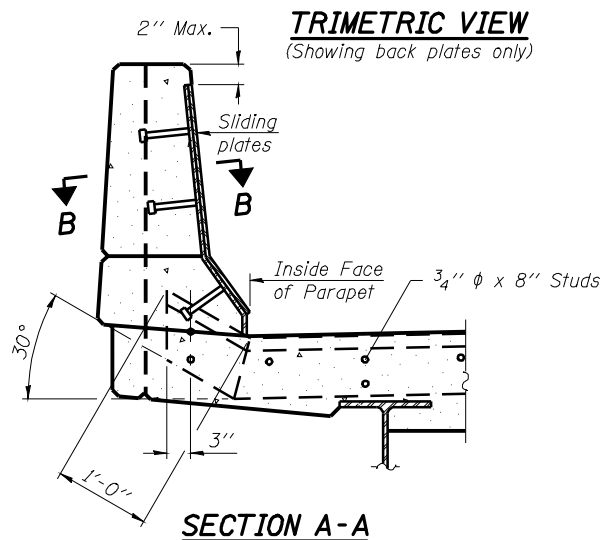
TYPICAL END TREATMENTS

Notes:
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.
The manufacturer's recommended installation methods shall be followed.
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
Maximum space between rail segments at stage lines shall be 3/16", sealed with a suitable sealant.

LOCKING EDGE RAILS

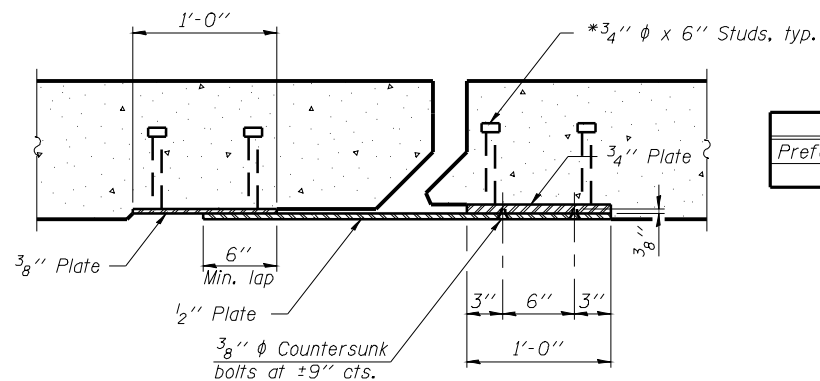


PLAN



SECTION A-A

POINT BLOCK DETAILS
(for skews > 30°)



SECTION B-B

BILL OF MATERIAL

Item	Unit	EB bridge	WB bridge
Preformed Joint Strip Seal	Foot	90	90

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 086-0023(EB) & 0024(WB)

SHEET 5 OF 7	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	72	86-10(RS-3)	SCOTT	48	39
STA. 200+00.00			CONTRACT NO. 72A16		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

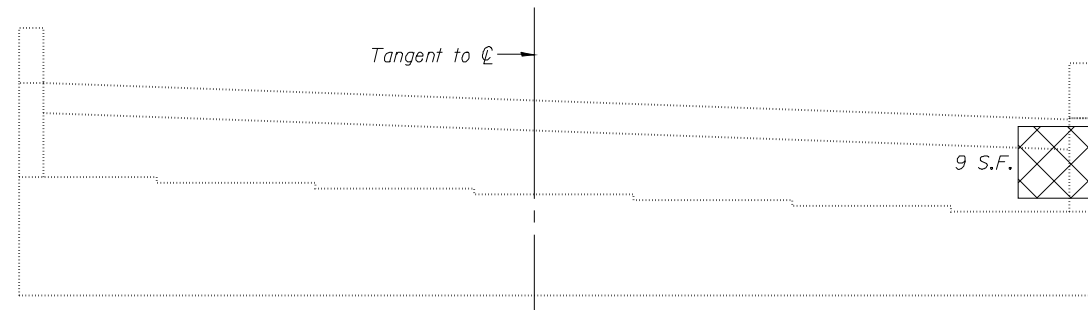
JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: JDQ DRAWN: PTR
CHECKED: DCD CHECKED: DCD

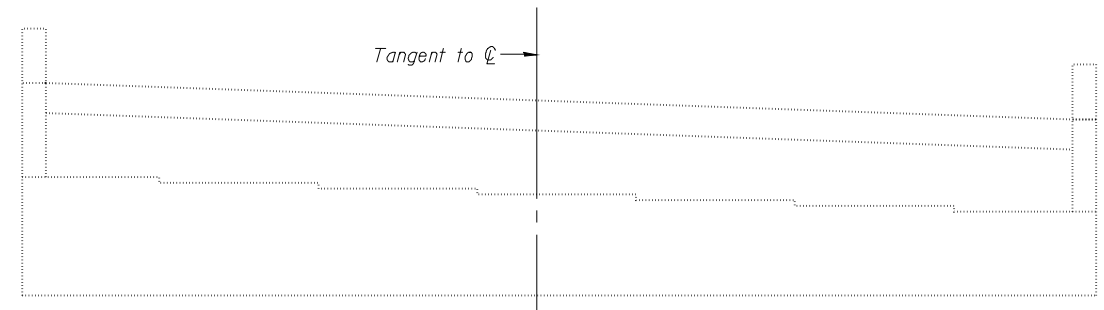
EJ-SSJ 11-1-09

DATE: Apr-06-2010 10:03:52AM FILE: \$FILE\$ USER: laughlinr1

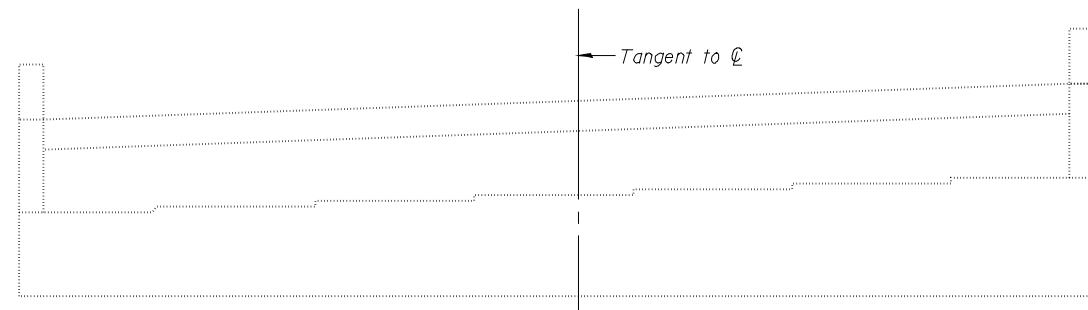
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



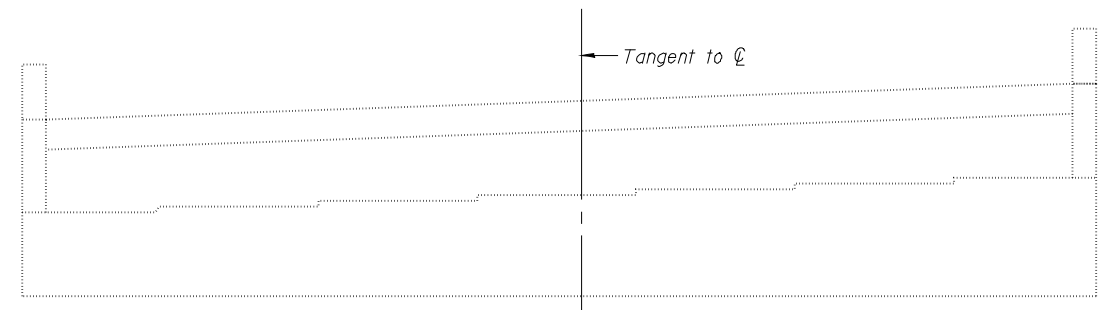
ELEVATION EAST ABUTMENT (WB)



ELEVATION EAST ABUTMENT (EB)



ELEVATION WEST ABUTMENT (WB)



ELEVATION WEST ABUTMENT (EB)

LEGEND



Spalled Concrete with Exposed Reinf.

BILL OF MATERIAL

Item	Unit	EB	WB
Structural Repair of Concrete (Depth = < 5")	Sq. Ft.	-	9

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: JDQ	DRAWN: SJS
CHECKED: DCD	CHECKED: DCD

Notes:
Condition Survey performed 1/15/2010.

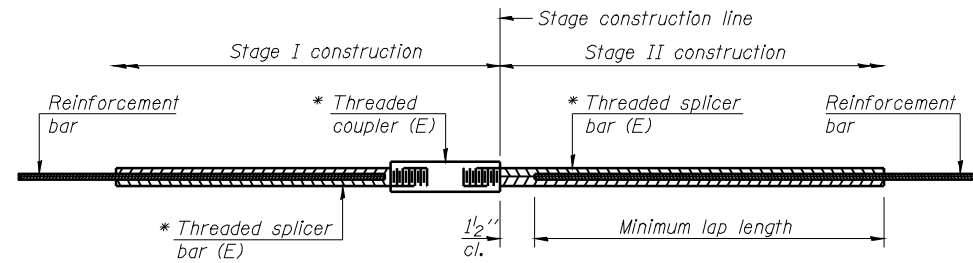
Plan quantities assume that areas of "exposed reinforcing" will be repaired.

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

ABUTMENTS
STRUCTURE NO. 086-0023(EB) & 0024(WB)

SHEET 6 OF 7	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	72	86-10(RS-3)	SCOTT	48	40
	STA. 200+00.00		CONTRACT NO. 72A16		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STANDARD BAR SPLICER ASSEMBLY

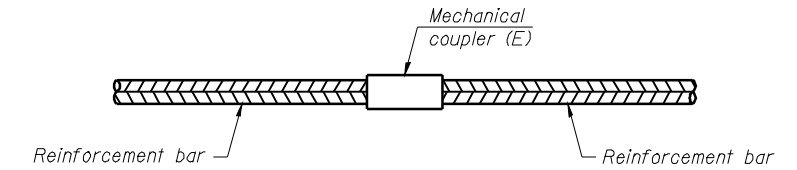
Minimum Lap Lengths				
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

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

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

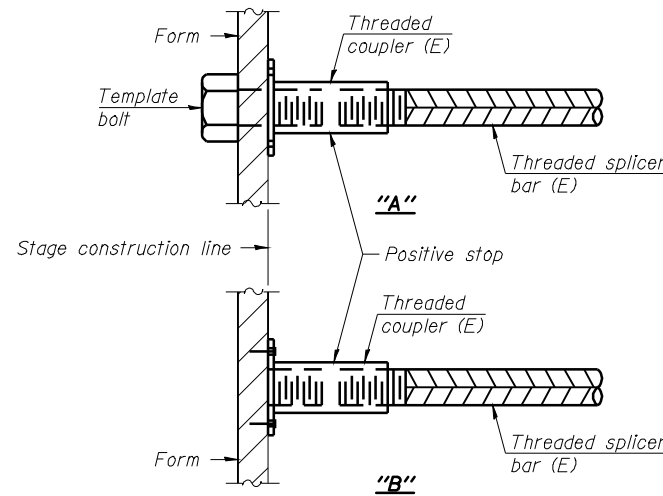
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Exp. Jts. (Deck)	#6	20 (EB) & 20 (WB)	3
Exp. Jts. (Abut.)	#6	8 (EB) & 8 (WB)	3



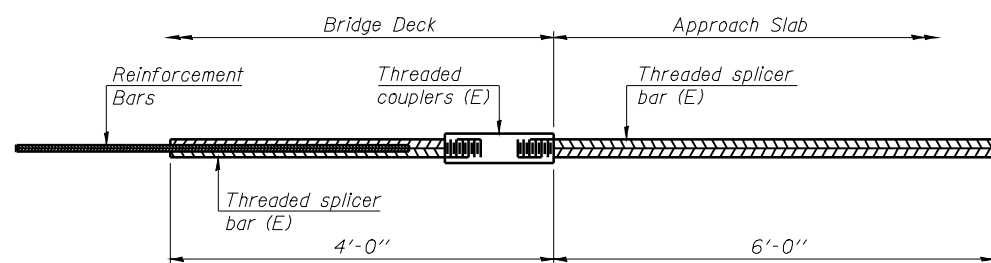
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



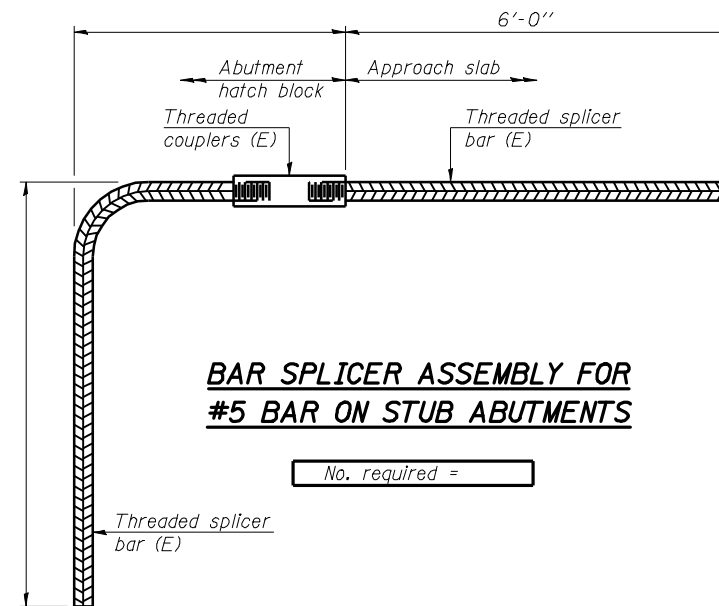
INSTALLATION AND SETTING METHODS

"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.



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 special provision for Mechanical Splicers.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 086-0023(EB) & 0024(WB)**

SHEET 7 OF 7	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	72	86-10(RS-3)	SCOTT	48	41
STA. 200+00.00			CONTRACT NO. 72A16		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: JDQ	DRAWN: SJS
CHECKED: DCD	CHECKED: DCD

BSD-1

11-1-09

DATE: Apr-06-2010 10:03:55AM USER: laughlinr1 FILE: \$FILE\$

EXISTING STRUCTURE: S.N. 069-0054, originally constructed in 1976 as FA Route 408 Sec. 69-6HB-1 at Station 394+00.00, using 54" welded steel I-girders with 7" concrete deck and 1 1/2" bituminous wearing surface, 2 spans (plus abutment spans), 297'-8" back-back approach bents, 32'-0" out-out width, vaulted abutments on concrete piles, multi-column piers with footings on concrete piles. Wearing surface was replaced with concrete overlay (year unknown).

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

Sheet No.	Description
1	Gen Plan, Gen Notes, Bill of Mat'l

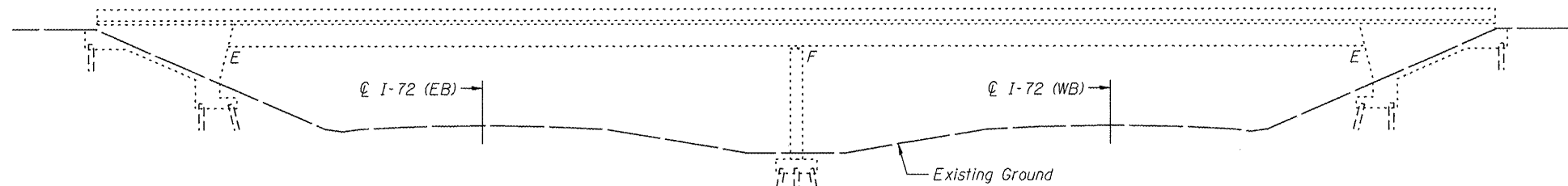
Staged construction shall be used to maintain one lane of traffic.

GENERAL NOTES

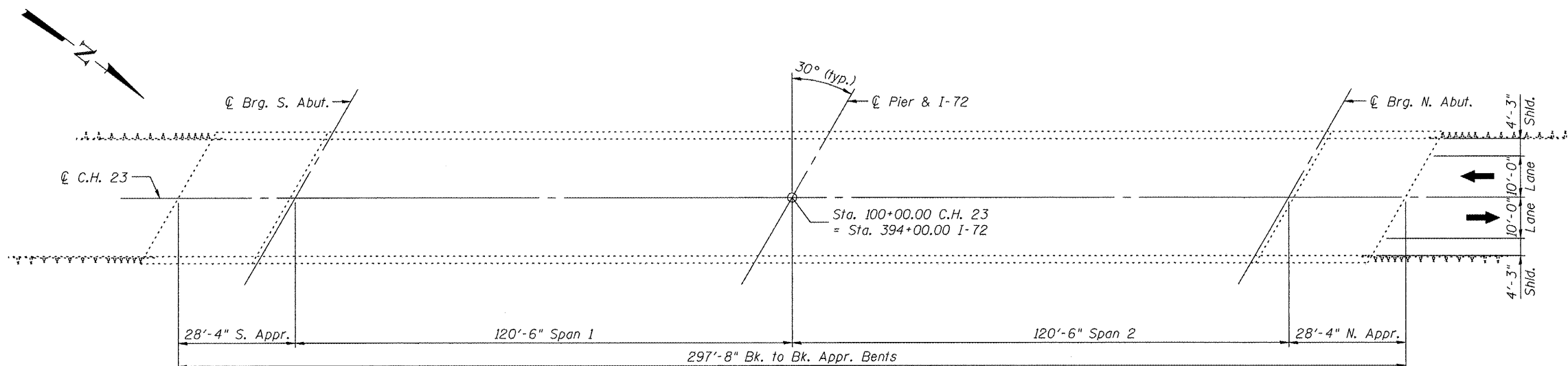
Traffic Control shall be according to Standard 701201.

SCOPE OF WORK:

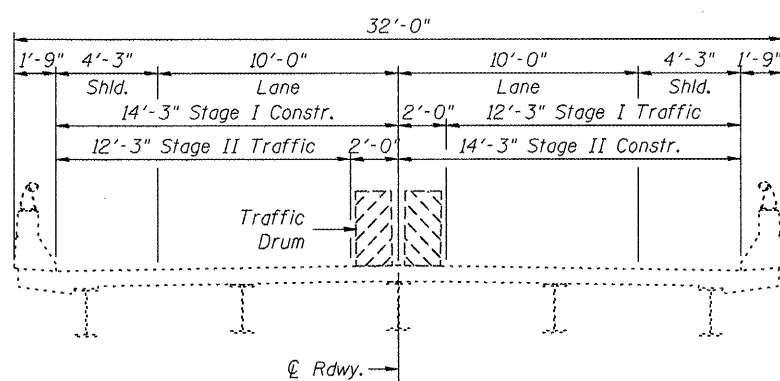
- Remove and replace existing silicone joint sealer at both abutments.



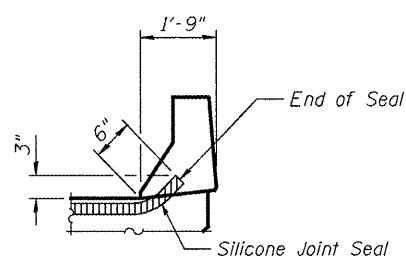
ELEVATION



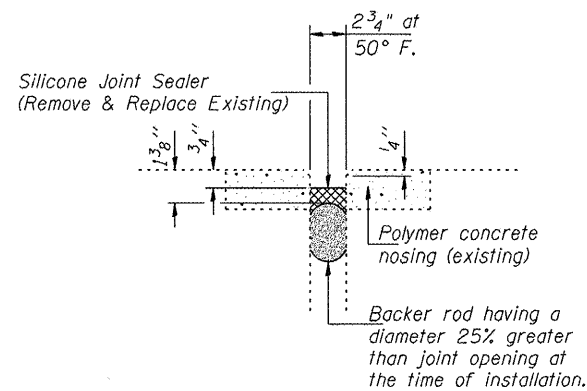
PLAN



CROSS SECTION
(Looking North)



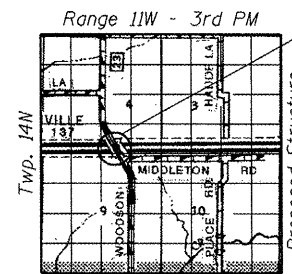
TYPICAL END OF SEAL TREATMENT AT EXPANSION JOINT



SILICONE JOINT SEALER DETAIL
(Typical for both Abutments)

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Silicone Joint Sealer, 2 3/4"	Foot	68	--	68



LOCATION SKETCH

GENERAL PLAN & ELEVATION
C.H. 23 OVER INTERSTATE 72
FAI RTE. 72 SECTION 69-6(RS-2)
MORGAN COUNTY
STATION 394+00.00
STRUCTURE NO. 069-0054

SHEET	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	72	69-6(RS-2)	MORGAN	48	42
OF 1		STA. 394+00.00			CONTRACT NO. T2A16
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

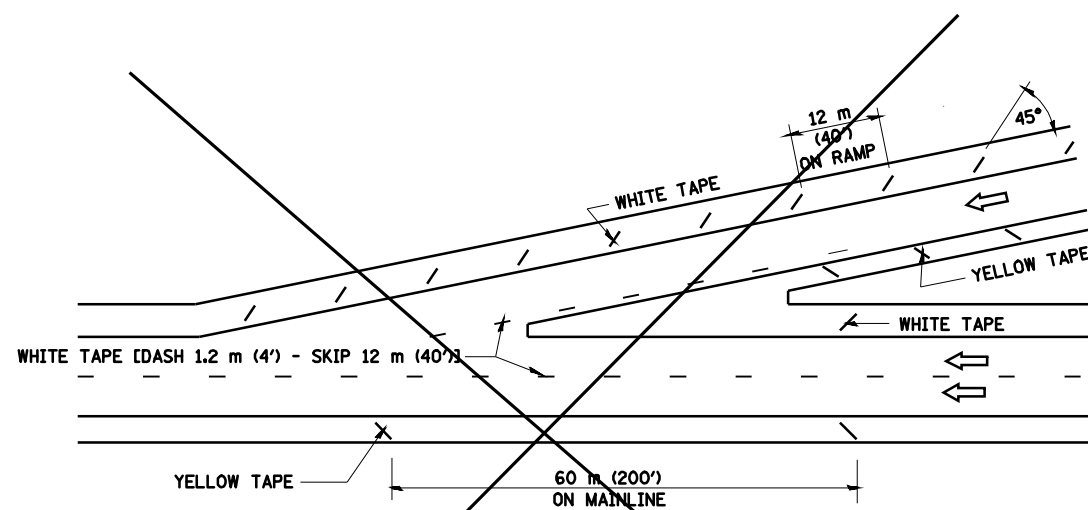
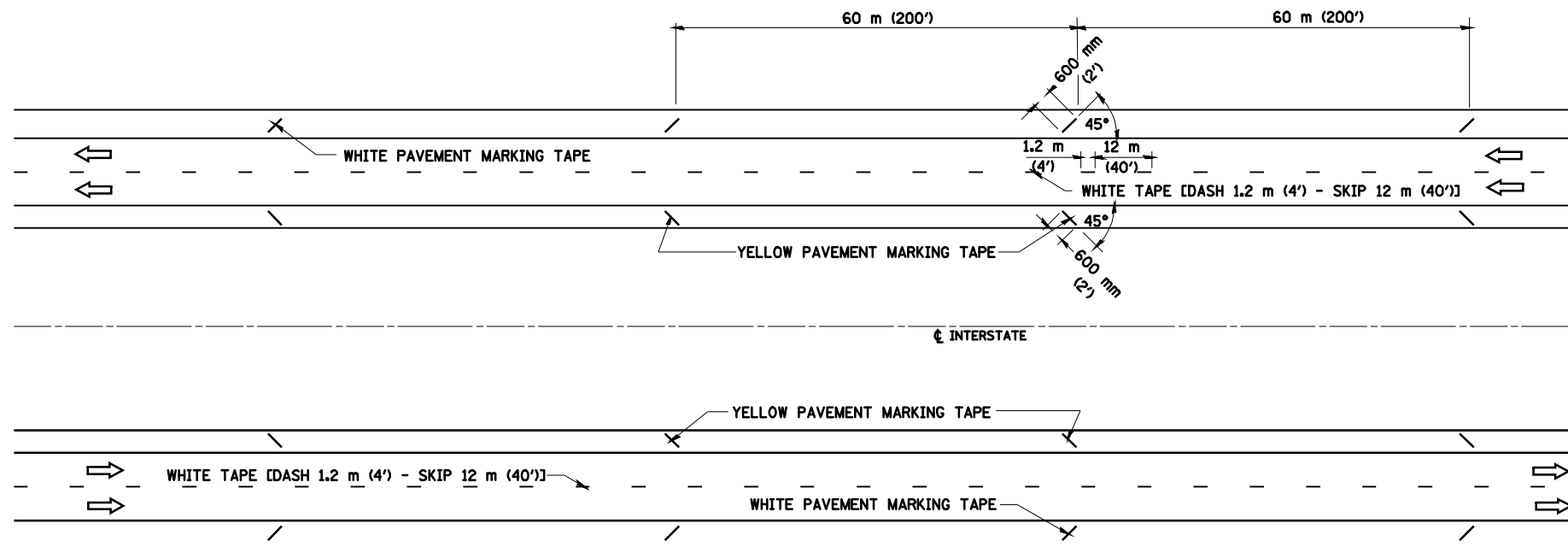
DESIGNED: J D Q	DRAWN: S J S
CHECKED: D C D	CHECKED: D C D



Signed: *David Depp*
Date: 3-30-2010
Lic. Expires: 11-30-2010

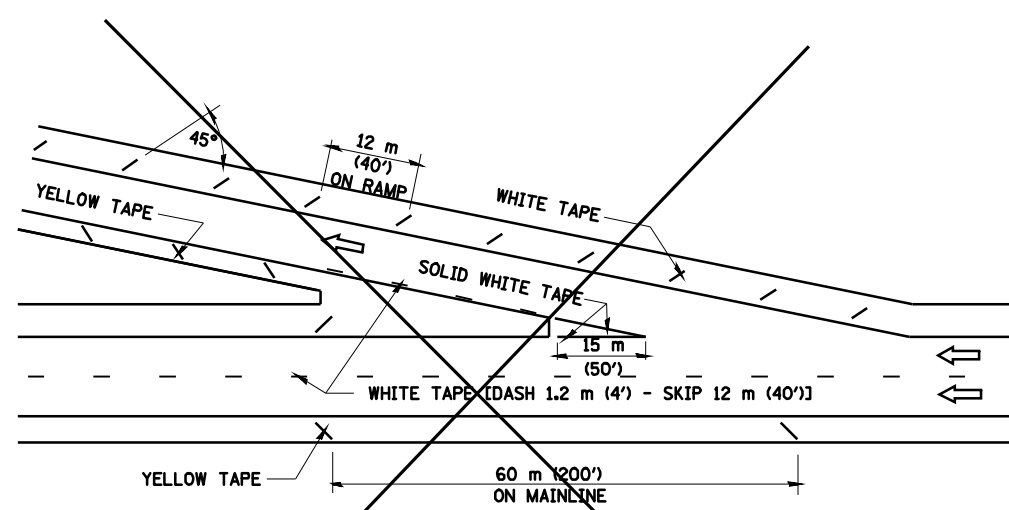
FILE: J:\JDO\10185 IL-06VW*6 I-72 Jacksonville Ph2\2-CH23\0690054-72A16-001-qplan.dgn
USER: DCD
DATE: 03/30/2010 16:02:40

TYPICAL SHORT TERM PAVEMENT MARKING FOR INTERSTATE ROUTES



TYPICAL ENTRANCE TERMINAL

N/A



TYPICAL EXIT TERMINAL

N/A

• 86-10RS-3, 69-6RS-2, 69-1RS
 ** SCOTT, MORGAN

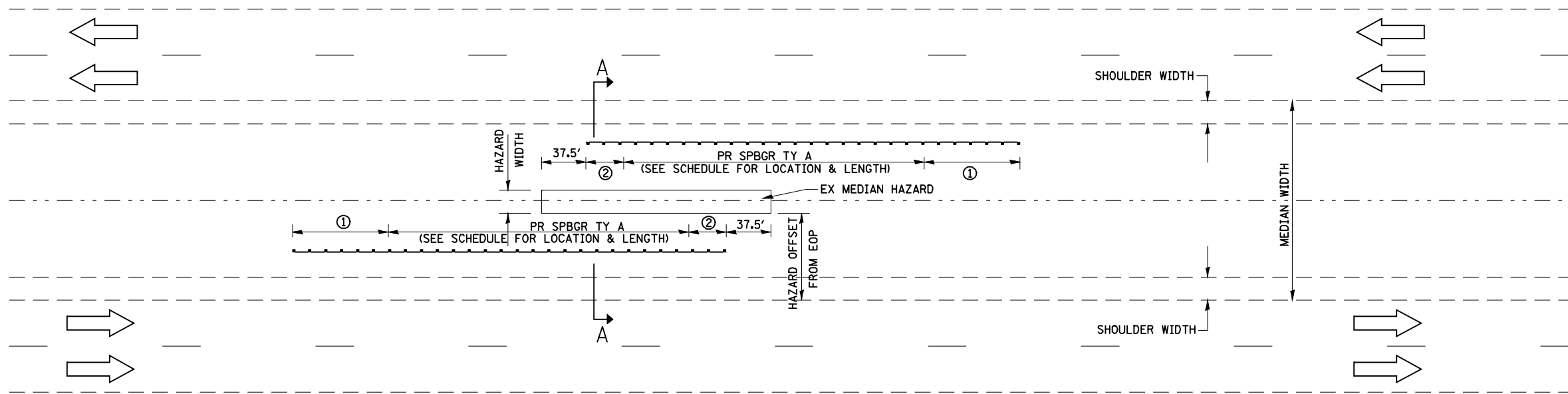
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

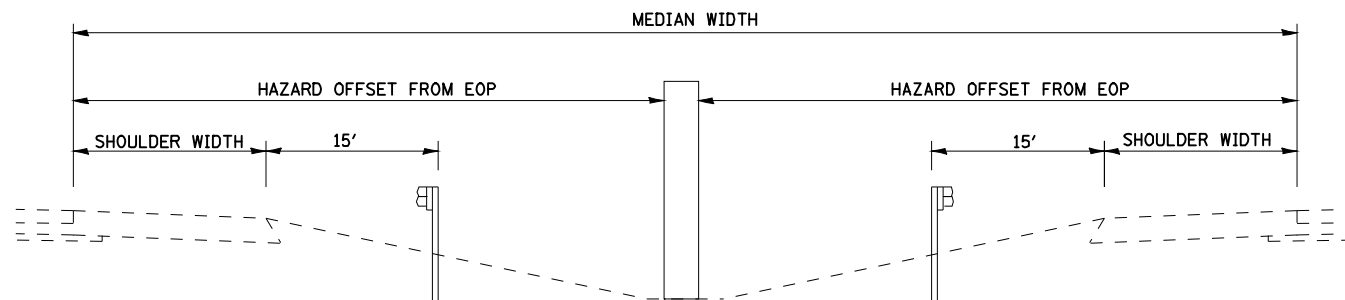
SHORT TERM PAVEMENT MARKING
 FOR INTERSTATE ROUTES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	**	48	43
CONTRACT NO. 72A16				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- ① PR TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)
- ② PR TRAFFIC BARRIER TERMINAL, TYPE 2
NOTE: TYPE 2 TERMINATES 37.5 FT BEFORE END OF HAZARD



SECTION A-A
(TYPICAL CROSS SECTION)

NOTES:
THE CONTRACTOR WILL BE REQUIRED TO CONTACT THE OPERATIONS ENGINEER (217) 782-7314 AT LEAST 72 HOURS PRIOR TO DRIVING ANY POSTS. TO MAKE SURE STATE OWNED UTILITIES ARE NOT IN THE WAY.

ALL GUARDRAIL SHALL HAVE A PRELIMINARY LAYOUT. GUARDRAIL POSTS SHALL BE ADJUSTED SO AS TO MISS ANY SHOULDER DRAINS, INLETS, PIPE CULVERTS, STORM SEWER OR ANY OTHER HAZARD THAT MAY INTERFERE WITH GUARDRAIL CONSTRUCTION.

• 86-10RS-3, 69-6RS-2, 69-1RS
•• SCOTT, MORGAN

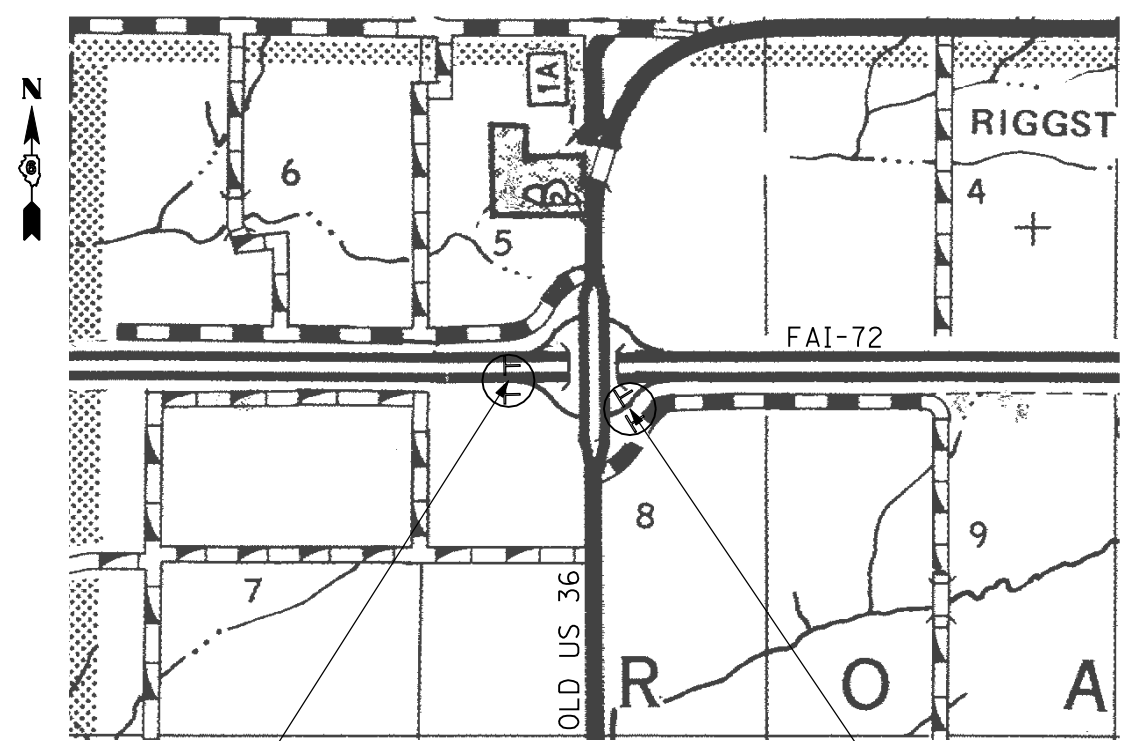
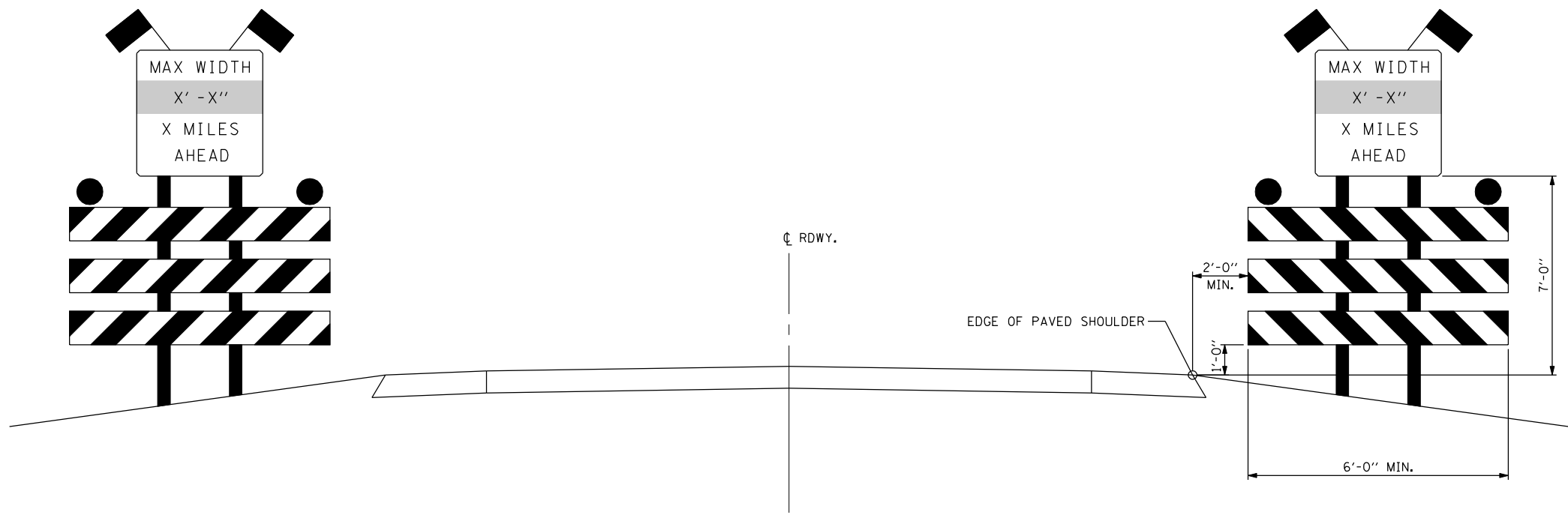
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

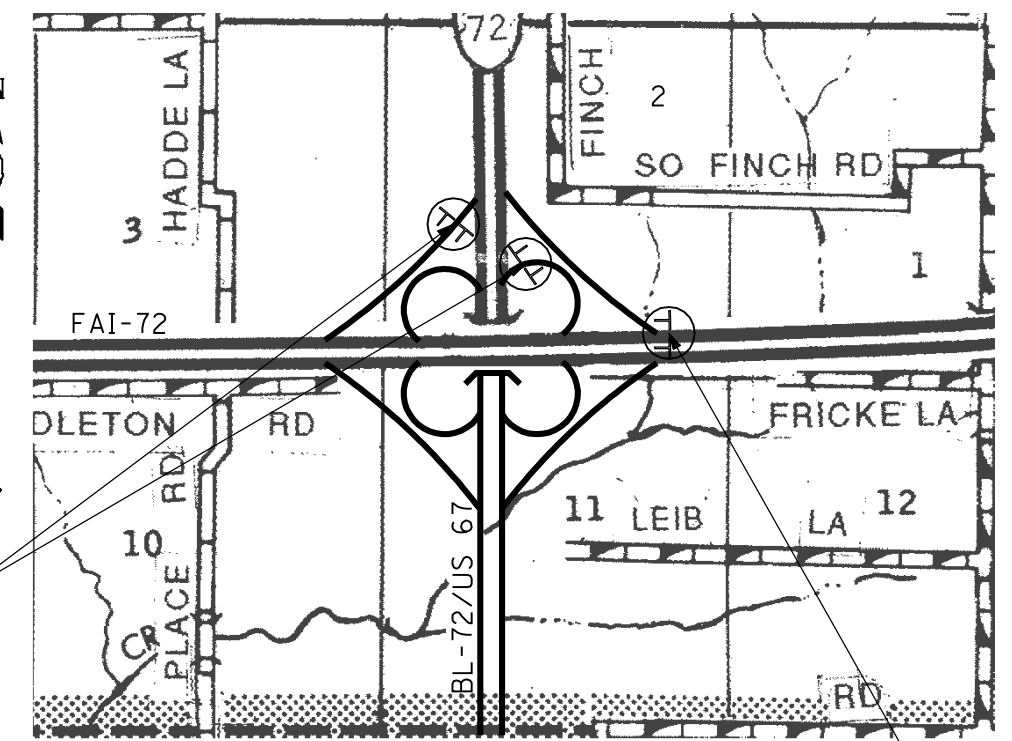
PROPOSED PROTECTION OF MEDIAN HAZARD
WITH PROPOSED GUARDRAIL DETAIL

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

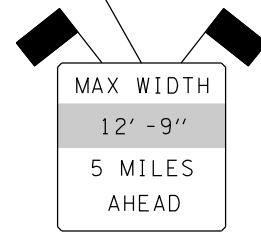
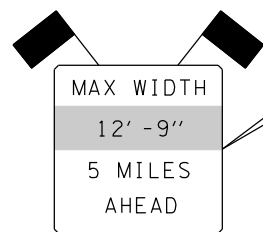
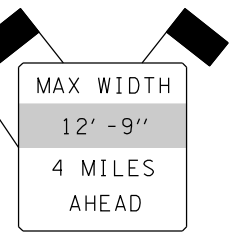
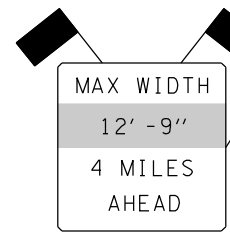
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	**	48	44
CONTRACT NO. 72A16				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



WINCHESTER INTERCHANGE
(STAGE II CONSTRUCTION SN 086-0023/24)



BL-72/US 67 INTERCHANGE
(STAGE II CONSTRUCTION SN 086-0023/24)



• 86-10RS-3, 69-6RS-2, 69-1RS
•• SCOTT, MORGAN

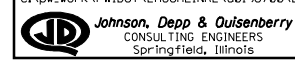
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		DATE -	REVISED -
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PLOT DATE = Apr-06-2010 10:07:23AM			

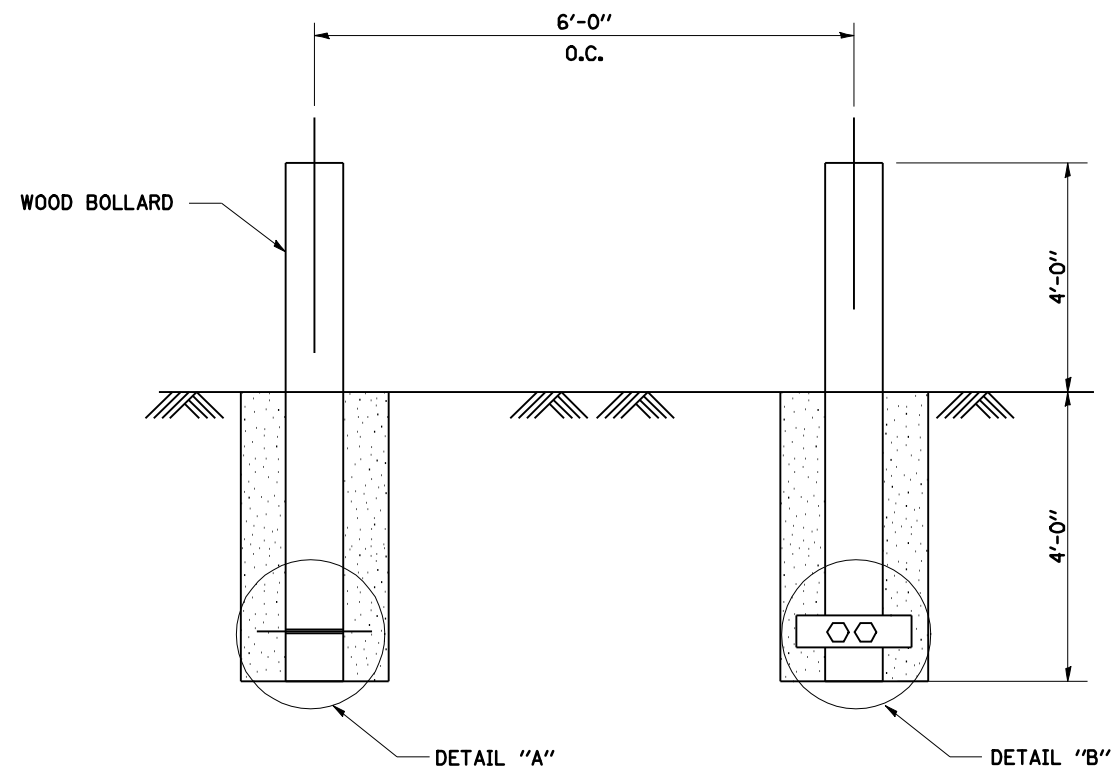
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING

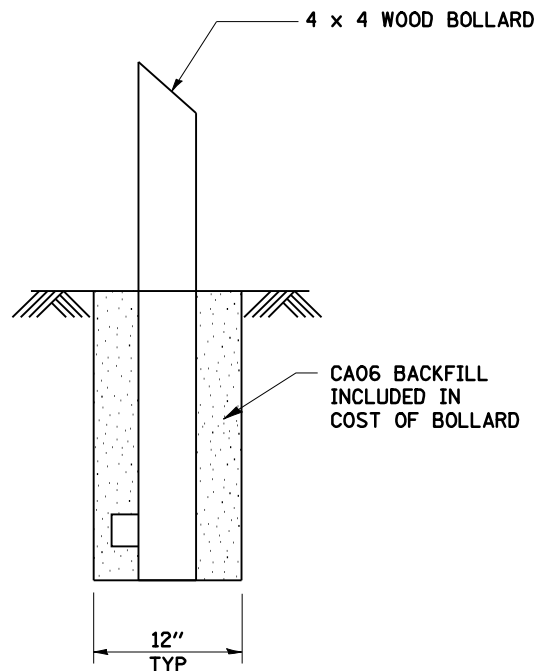
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	.	..	48	45
CONTRACT NO. 72A16				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





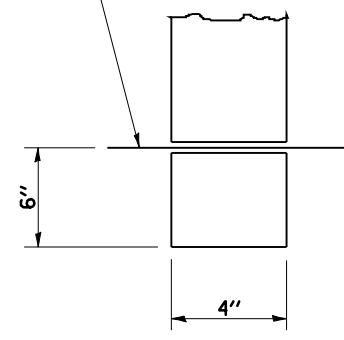
TOPS OF BOLLARDS SHALL BE SLOPED SO WATER DOES NOT PUDDLE



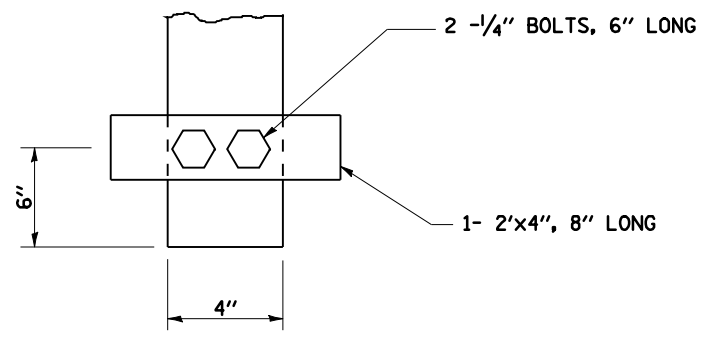
NOTES:

- ① WOOD BOLLARD INSTALLATION SHALL INCLUDE EITHER DETAIL "A" OR "B"
- ② FIVE (5) BOLLARDS SHALL BE PLACED AT EACH LOCATION IDENTIFIED IN THE PLANS. THE WORK OF FURNISHING AND INSTALLING BOLLARDS WILL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR BOLLARDS.
- ③ EXISTING BOLLARDS SHALL BE REMOVED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR BOLLARD REMOVAL.

1-5# BAR 10" LONG, DRIVEN THRU 5/8" HOLE DRILLED THRU WOOD BOLLARD



DETAIL A



DETAIL B

• 86-10RS-3, 69-6RS-2, 69-1RS
•• SCOTT, MORGAN

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
e:\pwwork\pwidot\LAUGHLINRL\0196700\0672A16-Sht-detail1.dgn		DRAWN -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

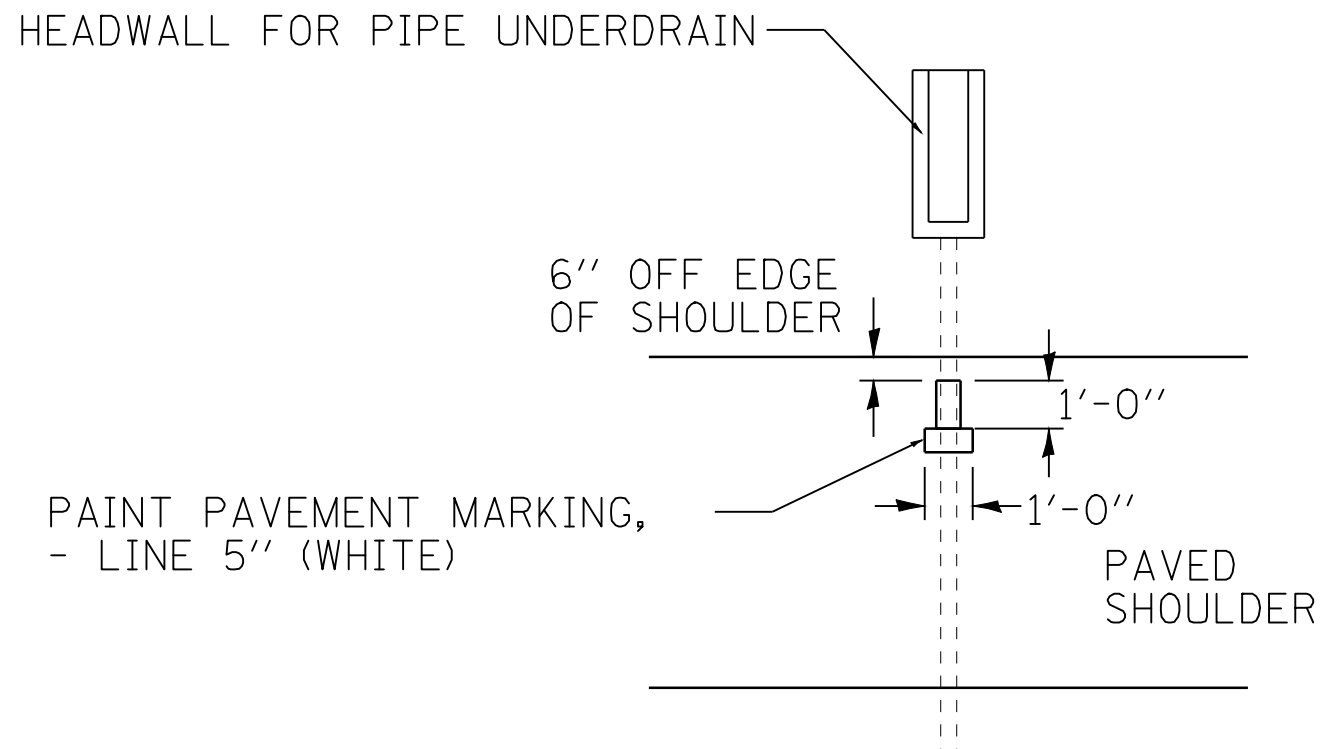
WOOD BOLLARD DETAIL

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	**	48	46
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 72A16	



TYPICAL PIPE UNDERDRAIN MARKER DETAIL

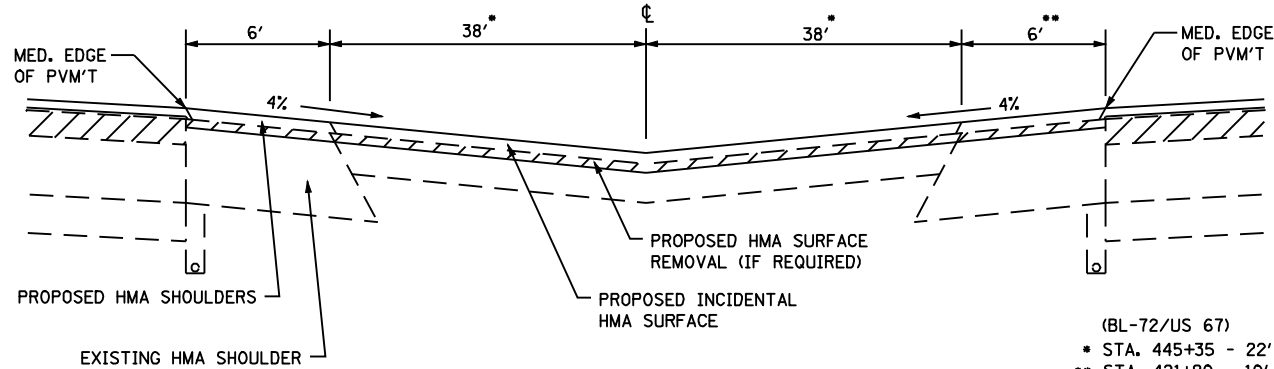
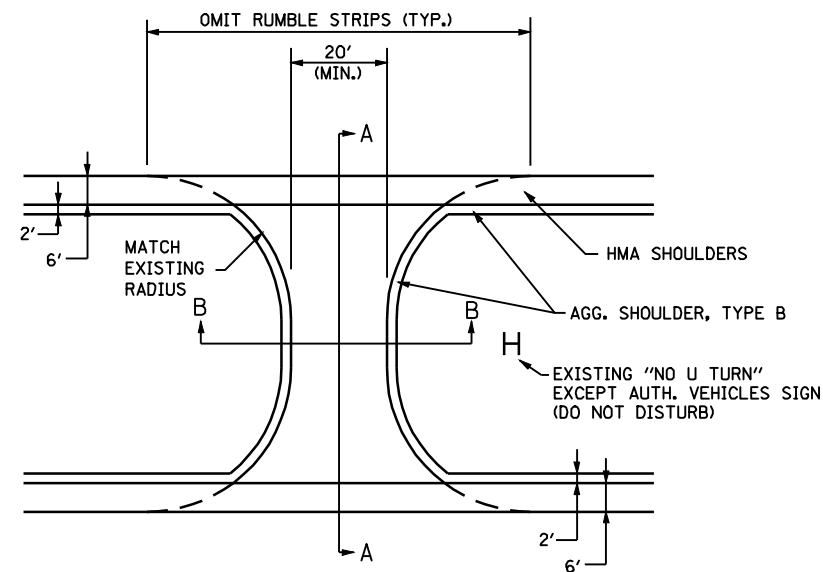


OUTLET MARKERS SHALL BE PLACED ON FINAL SHOULDER

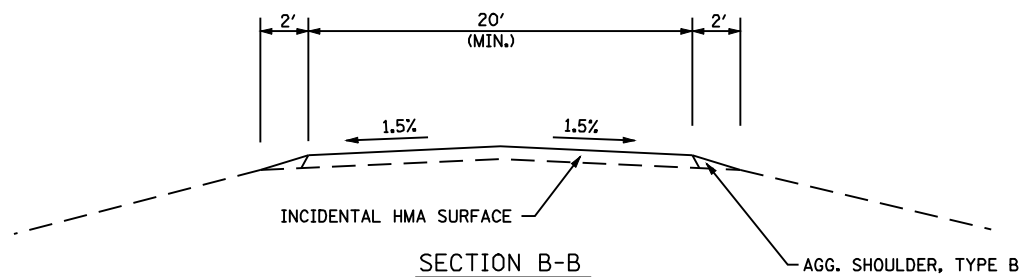
• 86-10RS-3, 69-6RS-2, 69-1RS
•• SCOTT, MORGAN

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL PIPE UNDERDRAIN MARKER DETAIL			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\pwork\pwork\LAUGHLINRL\0196700\0672A16-Sht-details.dgn	DRAWN -	REVISED -	REVISED -					72	•	••	48	47
JD Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 72A16				
PLOT DATE = Apr-06-2010 10:31:02AM	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

MEDIAN CROSS-OVER DETAIL

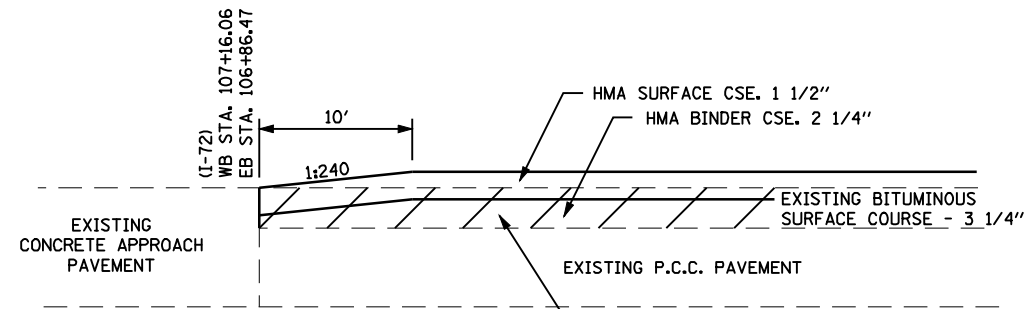


(BL-72/US 67)
 * STA. 445+35 - 22'
 ** STA. 421+90 - 10'
 ** STA. 445+35 - 10'

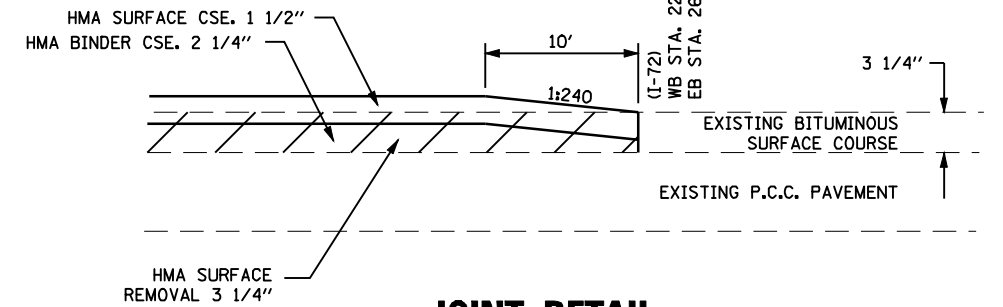


LOCATION

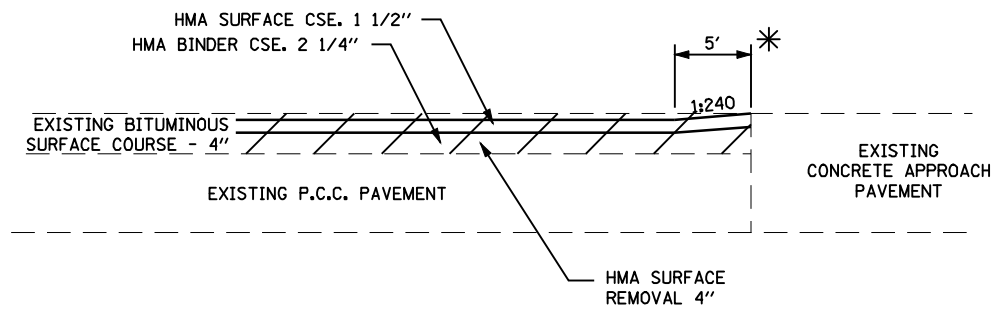
(I-72)	PROP. HMA SURF. REM.	PROP. INCIDENTAL HMA THICKNESS
STA. 260+77	1 1/2"	2"
STA. 435+00	1 1/2"	2"
(BL-72/US 67)	--	3 3/4"
STA. 360+41	--	3 3/4"
STA. 384+16	--	3 3/4"
STA. 421+90	--	3 3/4"
STA. 445+35	--	3 3/4"



JOINT DETAIL

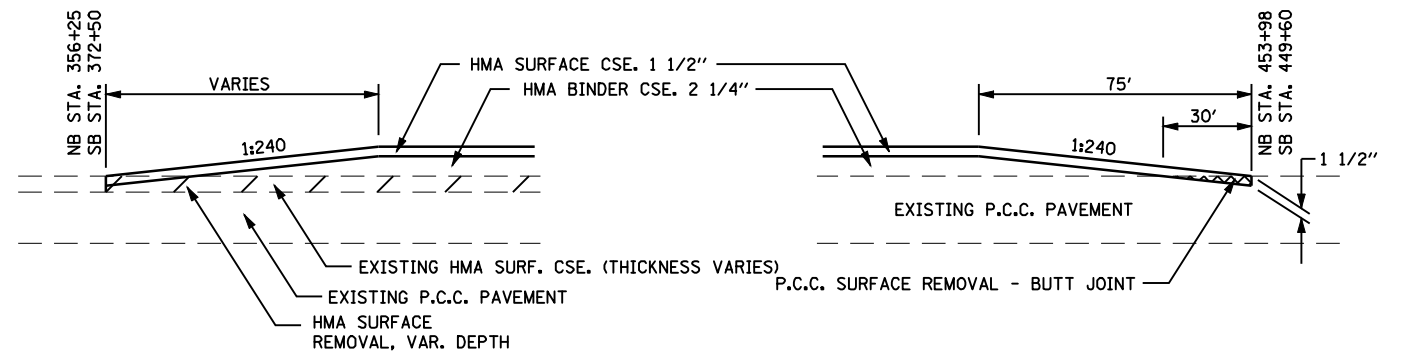


JOINT DETAIL



JOINT DETAIL

* (I-72)
 WB STA. 199+17.81
 EB STA. 198+64.60
 WB STA. 201+33.78
 EB STA. 200+82.53



JOINT DETAIL

(BL-72/US 67)

BUTT JOINT DETAIL - PCC

(BL-72/US 67)

* 86-10RS-3, 69-6RS-2, 69-1RS
 ** SCOTT, MORGAN

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MEDIAN CROSSOVER, BUTT JOINT
 & JOINT DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	**	48	48
CONTRACT NO. 72A16				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				