

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 76C56	

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

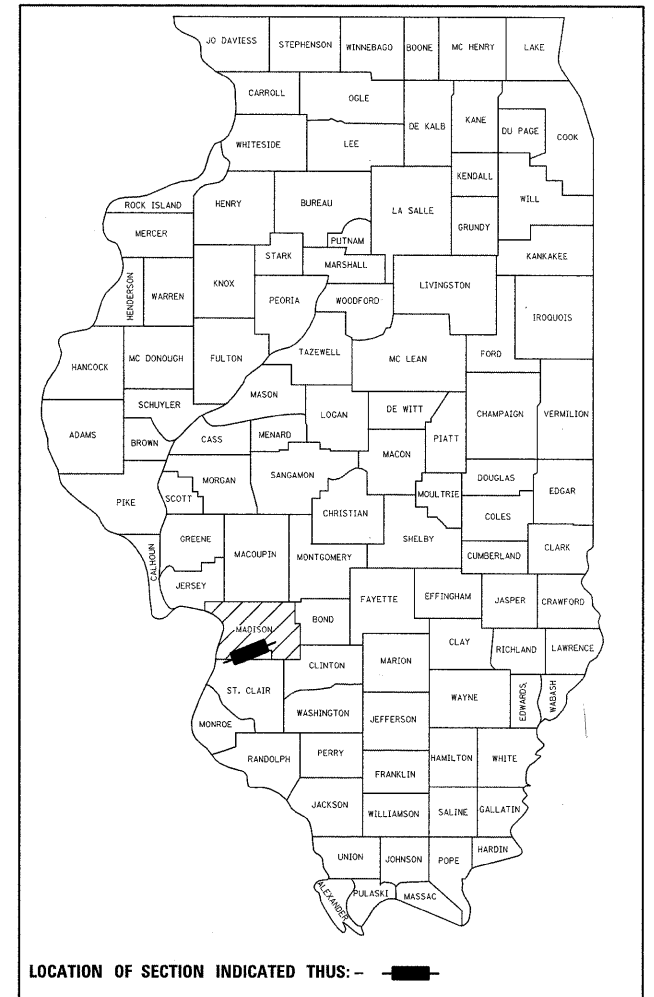
**PROPOSED**  
**HIGHWAY PLANS**

**FAI ROUTE 70 (INTERSTATES 55 & 70)**  
**SECTION 60-(5,6,7)RS, 60-(6,7)BR**

**PROJECT: ESP-070-1(184)007**

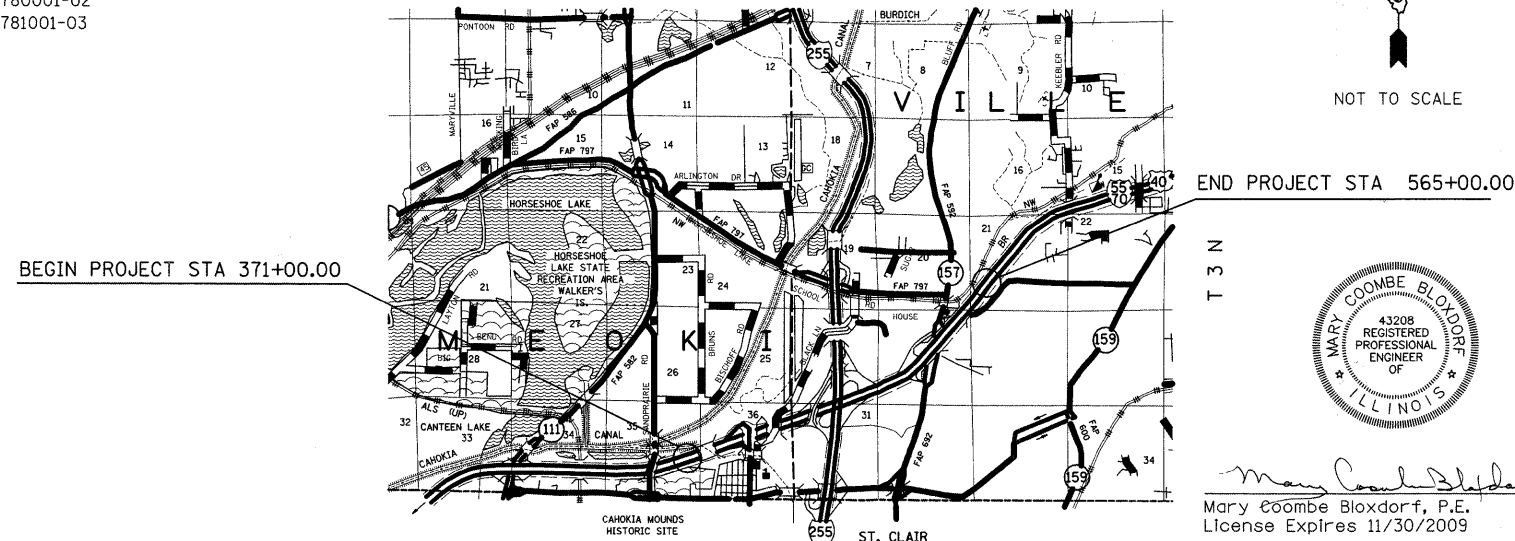
**PATCHING, MILLING, RESURFACING, SAFETY IMPROVEMENTS,**  
**SIGN STRUCTURE REPLACEMENT AND BRIDGE REHABILITATION**  
**MADISON COUNTY**  
**C-98-071-09**

**D-98-008-08**



**HIGHWAY STANDARDS**

000001-05	630301-05	701101-02	701411-06	701901-01
001001-02	631011-06	701106-02		704001-06
001006	631031-08			780001-02
280001-05	631033-03	701206-02	701446-01	781001-03
420401-08	635001-01	701400-04	701451-01	
442101-07	635006-03	701401-05	701456	
601001-03	635011-02	701402-07		
601101-01	642001-01	701406-05	701606-06	



**LOCATION MAP**

GROSS LENGTH OF PROJECT 19,400.00 FEET (3.674 MILES)  
NET LENGTH OF PROJECT 19,400.00 FEET (3.674 MILES)

**DESIGN ADT**

2005 ADT = 49,400  
2030 ADT = 63,300

PLANS PREPARED BY

**HORNER & SHIFRIN, INC.**  
**ENGINEERS**

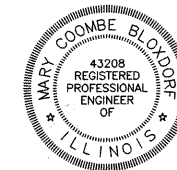
www.Horner-Shifrin.com

640 Pierce Boulevard Suite 200 • O'Fallon, Illinois 62269  
Phone: (618) 622-3040 • Fax: (618) 622-3070

Illinois Professional Design Firm No. 184-000435  
Expiration Date: April 30, 2011



NOT TO SCALE



*Mary Coombe Bloxdorf* 9/12/09  
Mary Coombe Bloxdorf, P.E. Date  
License Expires 11/30/2009

The above seal applies to the following sheets:  
145-163



*Steven R. Donahue* 9/17/09  
Steven R. Donahue, P.E. Date  
License Expires 11/30/2009

The above seal applies to the following sheets:  
1-2, 10-23, 25-72, 74-89, 177-181, 183-184

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

SUBMITTED Oct. 14 20 09  
Meryl Glavin  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 4, 20 09  
Charles G. Ingersoll  
ENGINEER OF DESIGN AND ENVIRONMENT

December 4, 20 09  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

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

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

**PROJECT MANAGER : CHERYL KEPLAR (618) 346-3186**

**CONTRACT NO. 76C56**

PLOT SCALE = 50.0023 / IN.  
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PEN TABLE = 9/11/2009  
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Rev.

## GENERAL NOTES

1. THE STANDARDS AND REVISIONS LISTED APPLY TO THIS PROJECT.
2. EXISTING UNDERGROUND AND ABOVE-GRADE FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST (OR THE EXISTENCE OF WHICH WAS NOT KNOWN) AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY; AND TO PROTECT ALL SUCH EXISTING FEATURES (EXCEPT THOSE SPECIFICALLY NOTED FOR REMOVAL OR DEMOLITION) DURING CONSTRUCTION.
3. THE THICKNESS OF BITUMINOUS 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 BITUMINOUS MIXTURE IS PLACED.
4. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT INTERCHANGES, ENTRANCES AND SIDE STREETS WHERE WORK IS BEING CONDUCTED AS DIRECTED BY THE RESIDENT ENGINEER. ALL CONSTRUCTION SIGNS SHALL BE FLORESCENT ORANGE. THIS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION. THESE SIGNS SHALL BE 48" X 48".
5. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
6. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:
 

HOT-MIX ASPHALT BASE COURSE	0.056	TON/SQ YD/IN
HOT-MIX ASPHALT SURFACE COURSE	0.056	TON/SQ YD/IN
AGGREGATE (SURFACE, BASE, & BACKFILL)	2.05	TON/CU YD
BITUMINOUS MATERIALS:		
PRIME COAT FOR BITUMINOUS CONCRETE:		
- ON PAVEMENT	0.0002	TON/SQ YD
- ON AGGREGATE	0.002	TON/SQ YD
- ON COLD MILLED SURFACE	0.0004	TON/SQ YD
- FOG COAT ON NEW BINDER	0.00012	TON/SQ YD
AGGREGATE (PRIME COAT)		
- ON EXISTING PAVEMENT	0.002	TON/SQ YD
- ON COLD MILLED SURFACE	0.002	TON/SQ YD
- FOG COAT ON NEW BINDER	0.001	TON/SQ YD
RIP RAP	1.5	TON/CU YD
SEEDING, CLASS 2	200	LB/ACRE
TEMPORARY EROSION CONTROL SEEDING	100	LB/ACRE
NITROGEN FERTILIZER NUTRIENT	90	LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90	LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90	LB/ACRE
MULCH	2	TON/ACRE
7. TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.
8. CONNECTING OF NEW OR EXISTING PIPE DRAINS TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, PIPE DRAINS SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE PIPE DRAINS OR STRUCTURES INVOLVED.
9. IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16, THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECKS AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 107.16 REGARDLESS IF TRACK MOUNTED OR WHEELED.
10. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
11. ALL TEMPORARY PAVEMENT MARKING WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

12. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE PROVISIONS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT AND IMPLEMENT THE EROSION CONTROL PLAN INCLUDED IN THESE PLANS AND SPECIFIED HEREIN. AS SPECIFIED IN ARTICLE 107.23, THE ENGINEER MUST GIVE PRIOR APPROVAL BEFORE DISTURBANCE OF ANY AREA CAN BEGIN.
13. THE ENGINEER SHALL BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.
14. THE DISTRICT EIGHT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 10 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS.
15. THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED TO IMPRINT PAVEMENT STATION NUMBERS IN THE FINISHED SURFACE OF THE PAVEMENT AND/OR OVERLAY. THE NUMBERS SHALL BE APPROXIMATELY 3/4 INCHES WIDE, 5 INCHES HIGH AND 5/8 INCHES DEEP. THE PAVEMENT STATION NUMBERS SHALL BE INSTALLED AS SPECIFIED HEREIN:
 

INTERVAL - 250 FEET

BOTTOM OF NUMBERS - 6 INCHES FROM THE INSIDE EDGE OF THE PAVEMENT MARKING

LOCATION:

  - 2, 3, & 5 LANE PAVEMENTS - RIGHT EDGE OF PAVEMENT IN DIRECTION OF INCREASING STATIONS
  - MULTI-LANE DIVIDED ROADWAYS - OUTSIDE EDGE OF PAVEMENT IN BOTH DIRECTIONS
  - RAMPS - ALONG BASELINE EDGE OF PAVEMENT

POSITION - STATIONS SHALL BE PLACED SO THEY CAN BE READ FROM THE ADJACENT SHOULDER

FORMAT - "XX+XX", WHERE X REPRESENTS THE PAVEMENT STATION

THE STAMPED STATIONS SHALL BE FILLED WITH SAND IMMEDIATELY AFTER STAMPING AND PRIOR TO ADDITIONAL ROLLING.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED PAVEMENT AND/OR OVERLAY PAY ITEMS.
16. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE CONSIDERED APPROXIMATE.
17. ALL NEW TRAFFIC BARRIER TERMINALS SHALL BE CORED. NO DRILLING WILL BE PERMITTED INTO PARAPET WALLS, MEDIANS, PIERS, ETC. ACCORDING TO STANDARD SPECIFICATION 631.07. THE COST WILL BE INCLUDED IN THE TYPE OF TRAFFIC BARRIER TERMINAL BEING CONSTRUCTED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK. ANY DAMAGE TO PARAPET WALLS, MEDIANS, PIERS, ETC. WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS/HER EXPENSE.
18. LOCATING UNDERGROUND CABLE HAS BEEN INCLUDED IN THESE PLANS FOR LOCATING ALL STATE FACILITIES ON STATE ROW SUCH AS HIGHWAY LIGHTING, ITS SYSTEMS, TRAFFIC COUNTERS, ETC.
19. ALL CORTEN GUARDRAIL, TRAFFIC BARRIER TERMINALS, ETC. ARE TO BE REPLACED WITH STANDARD GALVANIZED STEEL PLATE BEAM GUARDRAIL. NO CORTEN IS TO BE PLACED ON THIS CONTRACT.
20. SHOULDER WIDENING FOR THE TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT SHALL BE INCLUDED IN THE UNIT PRICE OF THE TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT AND CONSTRUCTED ACCORDING TO STANDARD 630301.
21. PROPOSED PIPE UNDERDRAIN LOCATIONS WERE BASED ON MICROFILM PLANS. THE ENGINEER SHALL MODIFY THE PIPE UNDERDRAIN SYSTEM TO MATCH SITE CONDITIONS. THE CONTRACTOR SHALL EXERCISE CAUTION TO AVOID TRENCHING THROUGH EXISTING PIPES TO REMAIN IN PLACE. WHERE IT IS NOT POSSIBLE TO CONTINUE THE TRENCH DUE TO AN EXISTING PIPE, THE CONTRACTOR SHALL EITHER PLUG (HIGH POINT) OR OUTLET (LOW POINT) THE UNDERDRAIN SYSTEM. ANY PIPES TO REMAIN IN PLACE THAT ARE DAMAGED BY THE CONTRACTOR WILL BE REPLACED AT HIS/HER EXPENSE.
22. MIXTURES FOR JOINTS, CRACKS, AND FLANGWAYS AS SPECIFIED IN ARTICLE 406 OF THE STANDARD SPECIFICATIONS SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
23. REMOVAL AND DISPOSAL OF ANY EXPOSED EXISTING PIPE UNDERDRAIN SYSTEM COMPONENTS DURING INSTALLATION OF THE PROPOSED PIPE UNDERDRAIN SYSTEM SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE PROPOSED PIPE UNDERDRAIN SYSTEM. THIS INCLUDES REMOVAL AND DISPOSAL OF EXISTING CONCRETE HEADWALLS.

24. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT THE FOLLOWING LOCATIONS, AS DIRECTED BY THE ENGINEER, PRIOR TO PROJECT START-UP:
  - I-70 EASTBOUND SOUTH OF IL 111
  - I-70 WESTBOUND EAST OF THE 3I
  - I-55 SOUTHBOUND NORTH OF THE 3I
  - I-255 NORTHBOUND SOUTH OF I-70
  - I-255 SOUTHBOUND NORTH OF I-70
  - IL 157 NORTHBOUND SOUTH OF I-70
  - IL 157 SOUTHBOUND NORTH OF I-70

THE CONTRACTOR SHALL MODIFY THE MESSAGE ON EACH SIGN AS DIRECTED BY THE ENGINEER.
25. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MAKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
  - \* AMEREN IP
  - \* AT&T ILLINOIS
  - \* AT&T CORPORATION
  - \* CHARTER COMMUNICATIONS, INC.
  - \* CITY OF COLLINSVILLE
  - \* MOUND PUBLIC WATER AND SEWER DISTRICT
  - \* SOUTHWESTERN ELECTRIC COOPERATIVE, INC.
  - \* CITY OF TROY

MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY A "\*" . NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
26. THE ENGINEER SHALL SURVEY ALL GORE AREAS TO DETERMINE DRAINAGE PATTERNS. THE PROPOSED HMA SURFACING SHALL BE PLACED TO PROVIDE FOR POSITIVE DRAINAGE AS DIRECTED BY THE ENGINEER.
27. THE JOINTS BETWEEN THE BRIDGE APPROACH SLAB AND WINGALLS SHALL BE SEALED ACCORDING TO ARTICLE 452 OF THE STANDARD SPECIFICATIONS.
28. ALL DIMENSIONS AND CLEARANCES FOR PROPOSED OVERHEAD SIGN STRUCTURES SHALL BE VERIFIED IN THE FIELD PRIOR TO ORDERING MATERIALS SO THAT ADJUSTMENTS CAN BE MADE TO MATCH EXISTING FIELD CONDITIONS.

### COMMITMENTS

NONE

### MIXTURE DESIGNS

LOCATION:	I-55/70 & RAMPS	I-55/70 & RAMPS
MIXTURE USE(S):	POLYMERIZED SURFACE	POLYMERIZED BINDER
AC/PG:	SBS PG 76-22	SBS PG 76-22
RAP% (MAX): **	0 %	10 %
DESIGN AIR VOIDS:	4.0 % @ Ndes = 80	4.0 % @ Ndes = 90
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0	
FRICITION AGGREGATE	SMA	MIXTURE "B"

LOCATION:	I-55/70 & RAMPS	I-55/70 & RAMPS
MIXTURE USE(S):	LEVELING BINDER / INCIDENTAL HMA SURFACE	SHOULDERS < 2.25" * MIN LIFT = 1.5"
AC/PG:	PG 64-22	PG 64-22
RAP% (MAX): **	10 %	30 %
DESIGN AIR VOIDS:	4.0 % @ Ndes = 90	2.0 % @ Ndes = 30
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	NMAS=12.5mm
FRICITION AGGREGATE	MIXTURE "C"	BAM

\*\* TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0 % AIR VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5 %.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**GENERAL NOTES, COMMITMENTS,  
& MIXTURE DESIGNS**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	2
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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SCALE: NONE

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

## WESTBOUND WORK SCHEDULE

Sunday					Monday					Tuesday					Wednesday					Thursday					Friday					Saturday																						
1-LANE CLOSURE					1-LANE CLOSURE					1-LANE CLOSURE					1-LANE CLOSURE					1-LANE CLOSURE					1-LANE CLOSURE					1-LANE CLOSURE																						
2-LANE CLOSURE					2-LANE CLOSURE					2-LANE CLOSURE					2-LANE CLOSURE					2-LANE CLOSURE					2-LANE CLOSURE					2-LANE CLOSURE																						
12A	3A	6A	9A	10A	12P	3P	4P	6P	9P	12A	3A	6A	9A	12P	3P	6P	9P	12A	3A	6A	9A	12P	3P	6P	9P	12A	3A	6A	9A	12P	3P	6P	9P	12A	3A	6A	9A	12P	3P	6P	9P	12A	3A	6A	9A	10A	12P	3P	4P	6P	9P	12A

## EASTBOUND WORK SCHEDULE

Sunday					Monday					Tuesday					Wednesday					Thursday					Friday					Saturday															
1-LANE CLOSURE					1-LANE CLOSURE					1-LANE CLOSURE					1-LANE CLOSURE					1-LANE CLOSURE					1-LANE CLOSURE					1-LANE CLOSURE															
2-LANE CLOSURE					2-LANE CLOSURE					2-LANE CLOSURE					2-LANE CLOSURE					2-LANE CLOSURE					2-LANE CLOSURE					2-LANE CLOSURE															
12A	2A	4A	8A	12P	2P	4P	6P	8P	12A	4A	8A	12P	4P	8P	9P	12A	4A	8A	12P	4P	8P	9P	12A	4A	8A	12P	4P	8P	9P	12A	4A	8A	12P	4P	8P	9P	12A	4A	8A	12P	2P	4P	6P	8P	12A

MOTORIST AID CALL BOX REMOVAL			
EASTBOUND		WESTBOUND	
MILE POST	EACH	MILE POST	EACH
9.56	1	9.63	1
11.66	1	10.23	1
12.26	1	10.61	1
		11.35	1
		11.61	1
Sub-Totals	3		5
Total		8	

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN 100% FED.	CONSTRUCTION TYPE CODE								
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY I000-2A	SIGN STRUCTURES Y002-1C	I-70 OVER CANTEEN CREEK 060-0010 EB 060-0011 WB X071-2A	I-70 OVER IL 157 060-0012 EB 060-0013 WB X271-2A	I-70 OVER BELT LINE RD 060-0014 EB 060-0015 WB X241-2A	I-255 RAMP OVER I-70 060-0205 X271-2A	I-255 RAMP OVER I-70 060-0211 X271-2A		
X0326692	MOTORIST AID CALL BOX REMOVAL	EACH	8	8								
20100500	TREE REMOVAL, ACRES	ACRE	4.2	4.2								
20400800	FURNISHED EXCAVATION	CU YD	100	100								
25000200	SEEDING, CLASS 2	ACRE	4.2	4.2								
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	383	383								
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	383	383								
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	383	383								
25000700	AGRICULTURAL GROUND LIMESTONE	TON	8.8	8.8								
25100115	MULCH, METHOD 2	ACRE	4.2	4.2								
28000400	PERIMETER EROSION BARRIER	FOOT	5694	5694								
28100105	STONE RIPRAP, CLASS A3	SQ YD	43				9	15	19			
28200200	FILTER FABRIC	SQ YD	43				9	15	19			
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	140	140								
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	86.2	86.2								
40600300	AGGREGATE (PRIME COAT)	TON	595.6	595.6								
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	565	565								
40600895	CONSTRUCTING TEST STRIP	EACH	2	2								
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	3070	3070								
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	1638	1638								
40600990	TEMPORARY RAMP	SQ YD	7695	7695								
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	10861	10861								
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	15	15								
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	7343	7343								
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	8154	8154								
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	86155	86155								
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	2957	2957								
44004250	PAVED SHOULDER REMOVAL	SQ YD	13847	13847								
44200966	CLASS B PATCHES, TYPE I, 10 INCH	SQ YD	4	4								

FILE NAME =	USER NAME = keplarcl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\pwwork\KFWIDOT\KEPLARCL\d0133826\d876e56-sht-plan.dgn	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			TO	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	4	
PLOT DATE = 10/14/2009	DATE -	REVISED -				SCALE: _____ SHEET NO. OF SHEETS _____ STA. _____ TO STA. _____		CONTRACT NO. 76C56			
						FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT _____					



# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN 100% FED	CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 1000-2A	SIGN STRUCTURES Y002-1C	I-70 OVER CANTEEN CREEK 060-0010 EB 060-0011 WB X071-2A	I-70 OVER IL 157 060-0012 EB 060-0013 WB X271-2A	I-70 OVER BELT LINE RD 060-0014 EB 060-0015 WB X241-2A	I-255 RAMP OVER I-70 060-0205 X271-2A	I-255 RAMP OVER I-70 060-0211 X271-2A
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	29	29						
44201003	CLASS B PATCHES, TYPE I, 13 INCH	SQ YD	8	8						
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	250	250						
44201011	CLASS B PATCHES, TYPE III, 13 INCH	SQ YD	48	48						
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SQ YD	27	27						
44201031	CLASS B PATCHES, TYPE II, 15 INCH	SQ YD	21	21						
44201294	CLASS B PATCH - EXPANSION JOINT	FOOT	72	72						
44201296	DEFORMED BARS - EXPANSION JOINT	EACH	60	60						
44213100	PAVEMENT FABRIC	SQ YD	75	75						
44213200	SAW CUTS	FOOT	1822	1822						
45200300	JOINT OR CRACK FILLING	POUND	30					30		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	3422	3422						
48203045	HOT-MIX ASPHALT SHOULDERS, 12"	SQ YD	58	58						
48203100	HOT-MIX ASPHALT SHOULDERS	TON	8286	8286						
48300700	PORTLAND CEMENT CONCRETE SHOULDERS 12"	SQ YD	13789	13789						
48301000	PROTECTIVE COAT	SQ YD	13789	13789						
50102400	CONCRETE REMOVAL	CU YD	250.3				90.5	89.9	23.5	46.4
50200100	STRUCTURE EXCAVATION	CU YD	28				15	13		
50300225	CONCRETE STRUCTURES	CU YD	38			5	12.6	20.4		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	246.1				88.9	87.1	23.5	46.6
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	90827			7100	17610	64530	175	1412
50500715	JACK AND REMOVE EXISTING BEARINGS	EACH	96			20	64	12		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	39390			730	16390	9060	4900	8310
50800515	BAR SPLICERS	EACH	177				52	40	48	37
52000110	PREFORMED JOINT STRIP SEAL	FOOT	999.5				357	473.5	99	70
52000320	NEOPRENE EXPANSION JOINT 2"	FOOT	411			306				105
52000325	NEOPRENE EXPANSION JOINT 2 1/2"	FOOT	306			306				
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	64			20	32	12		
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	32				32			

FILE NAME =	USER NAME = keplarcl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\FWIDOT\KEPLARCL\ad8133026\ad8133026.sht	6c56-sht-plan.dgn	DRAWN -	REVISED -			70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	5
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			SCALE: _____		SHEET NO. OF SHEETS		TO STA. _____
	PLOT DATE = 12/14/2009	DATE -	REVISED -			CONTRACT NO. 76C56				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT										

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN 100% P&O.	CONSTRUCTION TYPE CODE								
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY I000-2A	SIGN STRUCTURES Y002-1C	I-70 OVER CANTEEN CREEK 060-0010 EB 060-0011 WB X071-2A	I-70 OVER IL 157 060-0012 EB 060-0013 WB X271-2A	I-70 OVER BELT LINE RD 060-0014 EB 060-0015 WB X241-2A	I-255 RAMP OVER I-70 060-0205 X271-2A	I-255 RAMP OVER I-70 060-0211 X271-2A		
52100520	ANCHOR BOLTS, 1"	EACH	76				64		12			
52100530	ANCHOR BOLTS, 1 1/4"	EACH	24							24		
52100540	ANCHOR BOLTS, 1 1/2"	EACH	128			40	64	24				
58700300	CONCRETE SEALER	SO FT	139430			38048	35245	25215	13687	27235		
59000200	EPOXY CRACK INJECTION	FOOT	266						97	169		
59200101	BRIDGE WASHING NO. 1	EACH	2			2						
59200102	BRIDGE WASHING NO. 2	EACH	2				2					
59200103	BRIDGE WASHING NO. 3	EACH	2					2				
59200104	BRIDGE WASHING NO. 4	EACH	1						1			
59200105	BRIDGE WASHING NO. 5	EACH	1							1		
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	8						8			
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	76	76								
60100074	SHOULDER REMOVAL AND REPLACEMENT 8"	FOOT	87162	87162								
60107600	PIPE UNDERDRAINS 4"	FOOT	85807	85807								
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	2066	2066								
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1								
60260100	INLETS TO BE ADJUSTED	EACH	3	3								
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	14027.5	14027.5								
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	29	29								
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	5	5								
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	12	12								
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	28	28								
63200310	GUARDRAIL REMOVAL	FOOT	16278	16278								
63500105	DELINEATORS	EACH	368	368								
63500120	DELINEATOR REMOVAL	EACH	368	368								
64200105	SHOULDER RUMBLE STRIP	FOOT	85844	85844								
66500105	WOVEN WIRE FENCE, 4'	FOOT	1200	1200								
66500305	WOVEN WIRE GATES, 4' X 4' SINGLE	EACH	1	1								
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18								
67100100	MOBILIZATION	L SUM	1	1								

\*Specialty Items

FILE NAME =	USER NAME = keplarc1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw\work\PIWIDOT\KEPLARCL\d8133026\d376c56-ah-t-plen.dgn	6c56-ah-t-plen.dgn	DRAWN -	REVISED -		SCALE: _____	SHEET NO. OF SHEETS	STA. _____ TO STA. _____	70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	6
PLOT SCALE = 50,0000 "/ IN.	CHECKED -	REVISED -	REVISED -					CONTRACT NO. 76C56				
PLOT DATE = 10/14/2009	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT							

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN 100% FED. TOTAL QUANTITIES	CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT		ROADWAY 1000-2A	SIGN STRUCTURES Y002-1C	I-70 OVER CANTEN CREEK 060-0010 EB 060-0011 WB X071-2A	I-70 OVER IL 157 060-0012 EB 060-0013 WB X271-2A	I-70 OVER BELT LINE RD 060-0014 EB 060-0015 WB X241-2A	I-255 RAMP OVER I-70 060-0205 X271-2A	I-255 RAMP OVER I-70 060-0211 X271-2A
<del>70100310</del>	<del>TRAFFIC CONTROL AND PROTECTION, STANDARD 701421</del>	L SUM	<del>1</del>	<del>1</del>						
<del>70100320</del>	<del>TRAFFIC CONTROL AND PROTECTION, STANDARD 701422</del>	L SUM	<del>1</del>	<del>1</del>						
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	12	12						
<del>70100450</del>	<del>TRAFFIC CONTROL AND PROTECTION, STANDARD 701401</del>	L SUM	<del>1</del>	<del>1</del>						
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1						
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1						
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1	1						
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1	1						
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1						
70101605	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	EACH	6	6						
<del>70102620</del>	<del>TRAFFIC CONTROL AND PROTECTION, STANDARD 701501</del>	L SUM	<del>1</del>	<del>1</del>						
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1						
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	21	21						
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	76	76						
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	16545	16545						
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	31064	31064						
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	203238	203238						
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	25683	25683						
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	134603	134603						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	5137.5	5137.5						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	4637.5	4637.5						
* 72000100	SIGN PANEL - TYPE 1	SQ FT	150	150						
* 72000300	SIGN PANEL - TYPE 3	SQ FT	1673.75	1673.75	1673.75					
* 72900200	METAL POST - TYPE B	FOOT	160	160						
* 73300100	OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	162	162	162					

\* Specialty Items

FILE NAME =	USER NAME = keplarc1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\pw\work\VPWIDOT\KEPLARCL\d0133026\d08	6c56-shr-plan.dgn	DRAWN -	REVISED -			70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	7	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	SCALE: _____			SHEET NO. OF SHEETS		STA. _____ TO STA. _____		CONTRACT NO. 76C56	
PLOT DATE = 10/14/2009	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

Rev.

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN 100% FED.	CONSTRUCTION TYPE CODE								
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 1000-2A	SIGN STRUCTURES Y002-1C	I-70 OVER CANTEEN CREEK 060-0010 EB 060-0011 WB X071-2A	I-70 OVER IL 157 060-0012 EB 060-0013 WB X271-2A	I-70 OVER BELT LINE RD 060-0014 EB 060-0015 WB X241-2A	I-255 RAMP OVER I-70 060-0205 X271-2A	I-255 RAMP OVER I-70 060-0211 X271-2A		
73300200	OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4' -6" X 5' -3")	FOOT	60		60							
73302170	OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE II-C-A (36" X 5' -6")	FOOT	30		30							
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	67.4		67.4							
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	4	4								
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	8	8								
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	152	152								
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10903	10903								
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	84726	84726								
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	8561	8561								
* 78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	1990	1990								
78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	16430	16430								
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1848	1848								
78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	76	76								
78200410	GUARDRAIL MARKERS, TYPE A	EACH	211	211								
78200520	BARRIER WALL MARKERS, TYPE B	EACH	48	48								
78200530	BARRIER WALL MARKERS, TYPE C	EACH	48	48								
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	28	28								
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1878	1878								
80300100	LOCATING UNDERGROUND CABLE	FOOT	104210	104210								
81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	140	140								
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	24	24								
* 81021350	CONDUIT PUSHED, 3" DIA., PVC	FOOT	54	54								
81400200	HEAVY-DUTY HANDHOLE	EACH	2	2								
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	140	140								
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	8	8								

\*Specialty Items

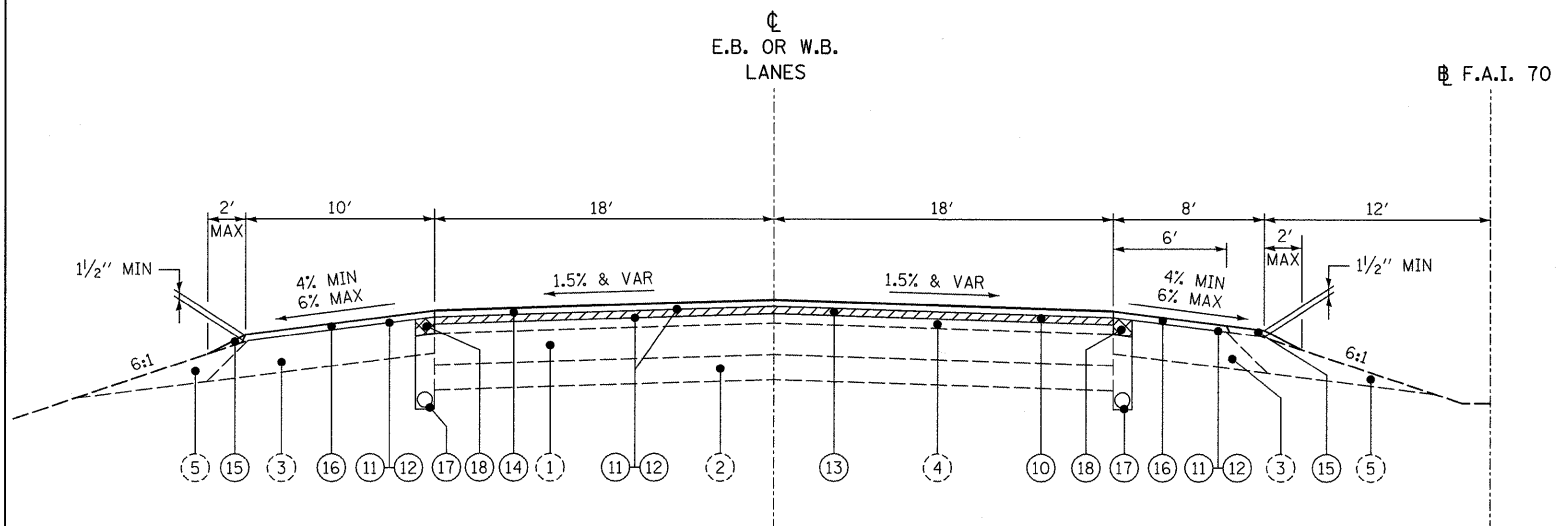
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cr\pwwork\PIWIDOT\KEPLARCL\d0133026\d8	6c56-shr-plan.dgn	DRAWN - ---	REVISED - ---		70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	8			
PLOT SCALE = 50,0000' / IN.	CHECKED - ---	REVISED - ---	SCALE: _____		SHEET NO. OF SHEETS	STA. _____	TO STA. _____	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
PLOT DATE = 10/14/2009	DATE - _____	REVISED - ---	CONTRACT NO. 76C56									

# SUMMARY OF QUANTITIES

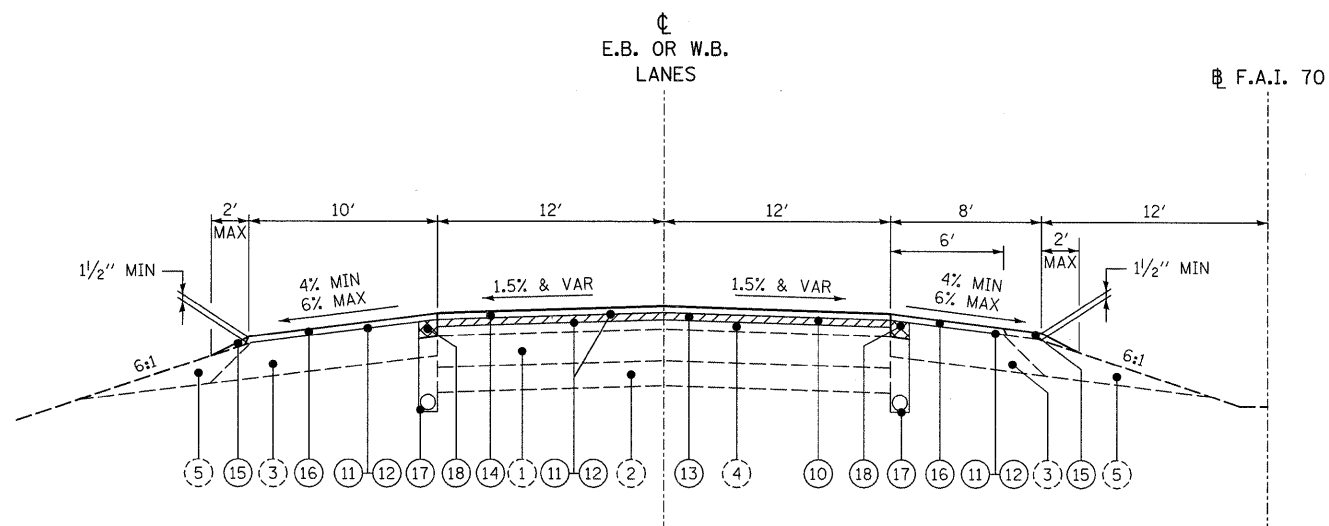
SUMMARY OF QUANTITIES			URBAN 100% FED.	CONSTRUCTION TYPE CODE								
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY I000-2A	SIGN STRUCTURES Y002-1C	I-70 OVER CANTEN CREEK 060-0010 EB 060-0011 WB X071-2A	I-70 OVER IL 157 060-0012 EB 060-0013 WB X271-2A	I-70 OVER BELT LINE RD 060-0014 EB 060-0015 WB X241-2A	I-255 RAMP OVER I-70 060-0205 X271-2A	I-255 RAMP OVER I-70 060-0211 X271-2A		
* 87900200	DRILL EXISTING HANDHOLE	EACH	7	7								
* 88600100	DETECTOR LOOP, TYPE I	FOOT	438	438								
* X0323014	ELECTRIC CABLE IN CONDUIT, CONOGA - 30003	FOOT	1272	1272								
X0323015	PIEZO ELECTRIC AXLE SENSOR, CLASS II	FOOT	69	69								
X0324952	DETOUR SIGNING	L SUM	1	1								
X0325303	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	15						15			
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	17						17			
* X0325702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1								
X4066580	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	TON	20534	20534								
* X5011100	FOUNDATION REMOVAL	EACH	3	3								
* X7330105	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	169		169							
Z0012500	CONCRETE CURB REPAIR	FOOT	14						14			
Z0017202	DOWEL BARS 1 1/2"	EACH	624	624								
Z0020800	EROSION CONTROL CURB	FOOT	747	747								
Z0020805	EROSION CONTROL CURB REMOVAL	FOOT	747	747								
Z0029999	IMPACT ATTENUATOR REMOVAL	EACH	4	4								
Z0030150	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4								
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	8	8								
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	8	8								
Z0075310	TIE BARS 3/4"	EACH	18	18								
50800105	REINFORCEMENT BARS	POUND	234	234								
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	748.5	748.5								
* 73400100	CONCRETE FOUNDATIONS	CU YD	2.1	2.1								
© Z0076600	TRAINEES	HOUR	2,000	2,000								

\*Specialty Items

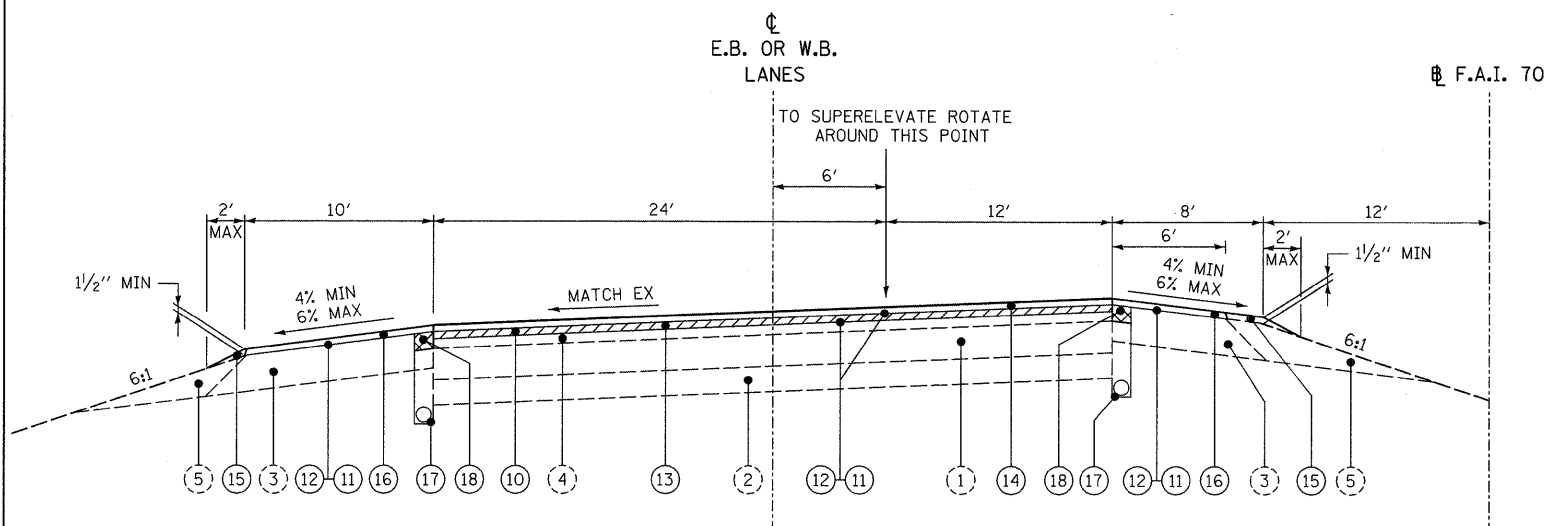
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ct\pwwork\pwwid\DOT\CONOVERPJ\d0133026\d076c56-sht-plan.dgn		DRAWN -	REVISED -			70	60-15,6,7RS, 60-16,7BR	MADISON	185	9
PLOT SCALE = 50,0000 / / IN.		CHECKED -	REVISED -			CONTRACT NO. 76C56				
PLOT DATE = 10/16/2009		DATE -	REVISED -			FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



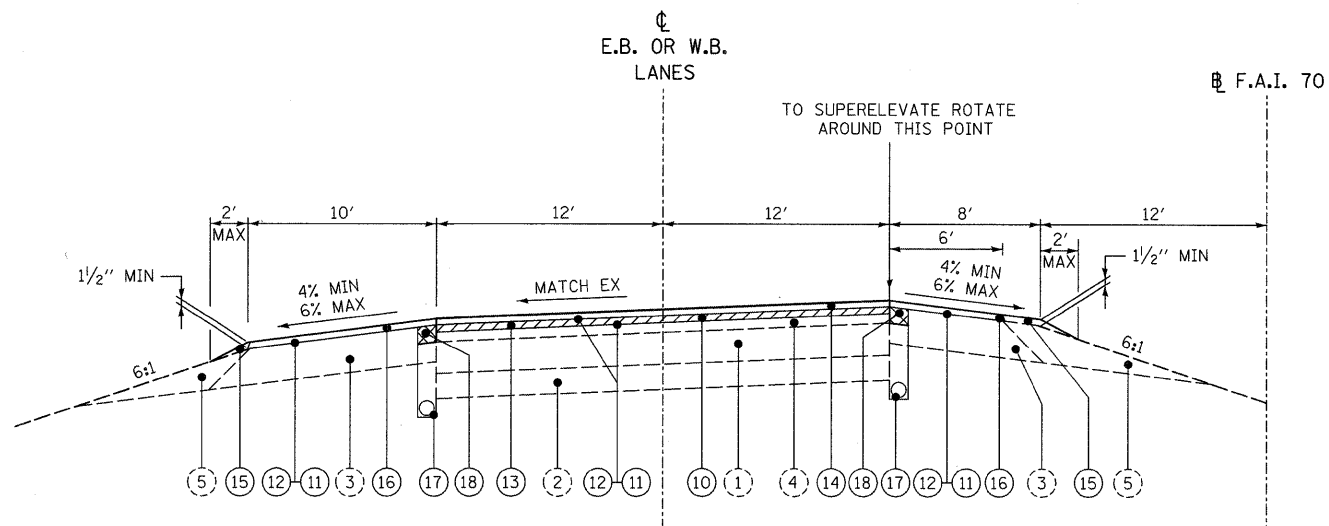
F.A.I. ROUTE 70 TYPICAL SECTION  
36' TANGENT PAVEMENT



F.A.I. ROUTE 70 TYPICAL SECTION  
24' TANGENT PAVEMENT



F.A.I. ROUTE 70 TYPICAL SECTION  
36' SUPERELEVATED PAVEMENT



F.A.I. ROUTE 70 TYPICAL SECTION  
24' SUPERELEVATED PAVEMENT

LEGEND

- ① EXISTING P.C.C. CONCRETE
- ② EXISTING 8" SUB-BASE GRANULAR MATERIAL TYPE A
- ③ EXISTING HMA SHOULDERS
- ④ EXISTING HMA SURFACE
- ⑤ EXISTING AGGREGATE SHOULDERS
- ⑥ EXISTING INLAYED ASPHALT SURFACE
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4" (UNLESS NOTED)
- ⑪ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑫ PROPOSED AGGREGATE (PRIME COAT)
- ⑬ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"
- ⑭ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 2"
- ⑮ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ⑯ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2"
- ⑰ PROPOSED PIPE UNDERDRAINS, 4"
- ⑱ PROPOSED SHOULDER REMOVAL AND REPLACEMENT, 8"
- ⑲ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 1"
- ⑳ PROPOSED LEVELING BINDER (MACHINE METHOD), N90, 1"

SEE SPECIAL DETAILS FOR EROSION CONTROL CURB AND HOT-MIX ASPHALT TAPER AT CABLE MEDIAN BARRIER DETAILS

LAST SAVED = 9/11/2009  
 PEN TABLE = V8.tbl  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

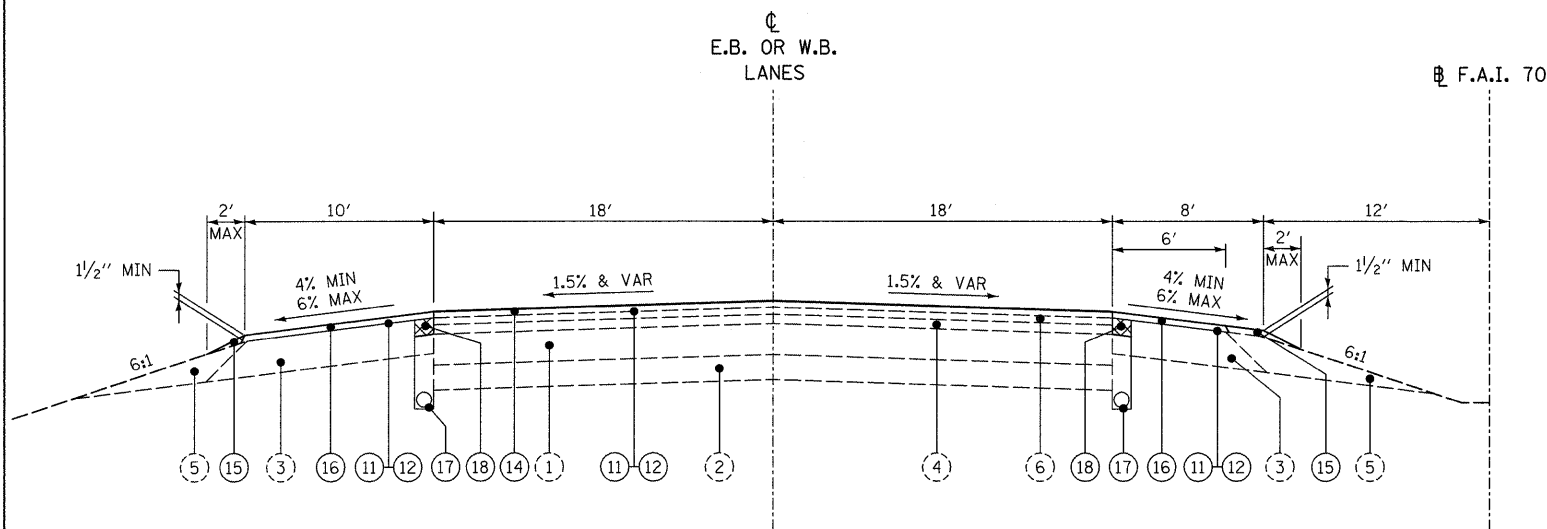
HORNER & SHIFRIN, INC.  
ENGINEERS

TYPICAL SECTIONS  
F.A.I. 70 PROPOSED

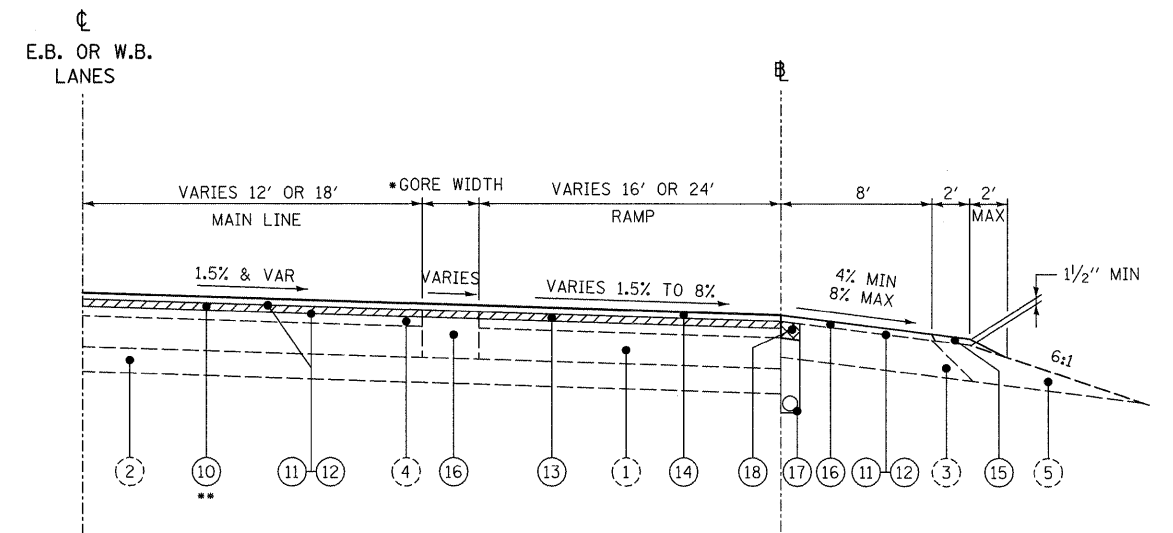
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SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	10
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

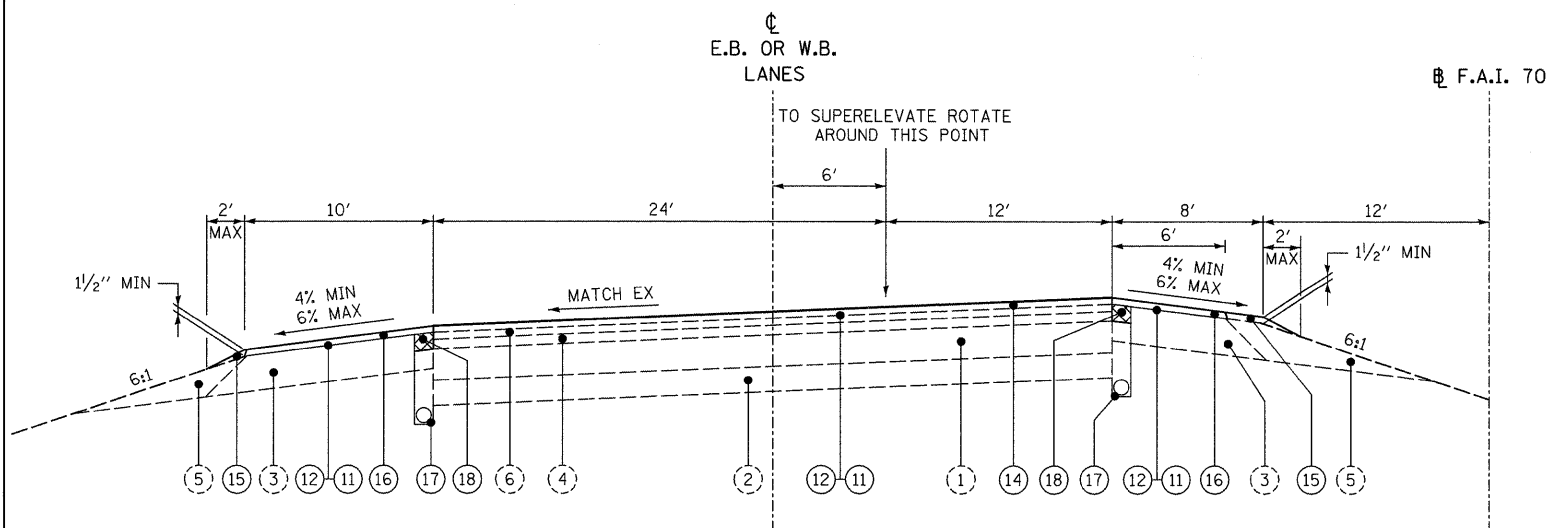


F.A.I. ROUTE 70 TYPICAL SECTION  
36' TANGENT PAVEMENT  
W/RECENT INLAY

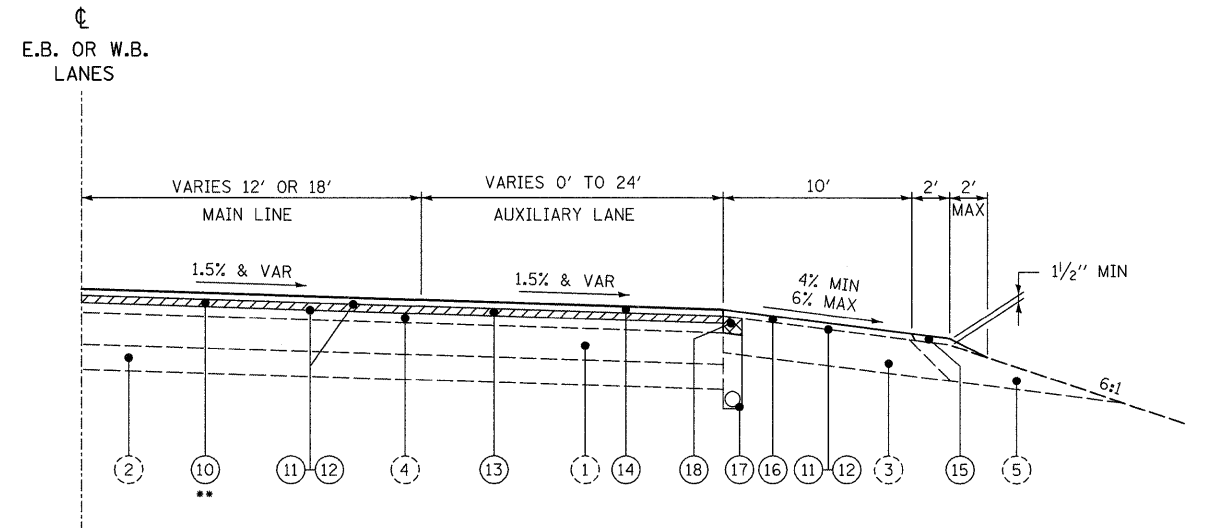


F.A.I. ROUTE 70  
TYPICAL GORE SECTION

- \* GORE WIDTH SEE PLANS
- \*\* NO MILLING IN RECENT ASPHALT INLAYED OR PCC PAVEMENT AREAS WITH THE EXCEPTION OF THE PCC PATCHES



F.A.I. ROUTE 70 TYPICAL SECTION  
36' SUPERELEVATED PAVEMENT  
W/RECENT INLAY



F.A.I. ROUTE 70  
TYPICAL AUXILIARY LANE SECTION

LEGEND

- |   |   |  |
|---|---|--|
| ① EXISTING P.C.C. CONCRETE                      | ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4" (UNLESS NOTED)                    | ⑰ PROPOSED PIPE UNDERDRAINS, 4"                      |
| ② EXISTING 8" SUB-BASE GRANULAR MATERIAL TYPE A | ⑪ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)  | ⑱ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 1"        |
| ③ EXISTING HMA SHOULDERS                        | ⑫ PROPOSED AGGREGATE (PRIME COAT)   | ⑳ PROPOSED LEVELING BINDER (MACHINE METHOD), N90, 1" |
| ④ EXISTING HMA SURFACE                          | ⑬ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"          |  |
| ⑤ EXISTING AGGREGATE SHOULDERS                  | ⑭ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 2" |  |
| ⑥ EXISTING INLAYED ASPHALT SURFACE              | ⑮ PROPOSED AGGREGATE SHOULDERS, TYPE B  |  |
|   | ⑯ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2"  |  |

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HORNER &  
SHIFRIN, INC.  
ENGINEERS

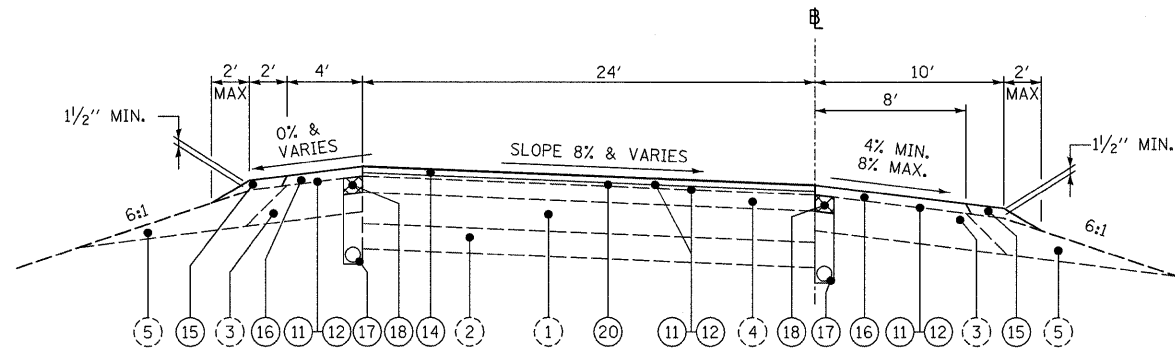
TYPICAL SECTIONS  
F.A.I. 70 PROPOSED

SCALE: NONE

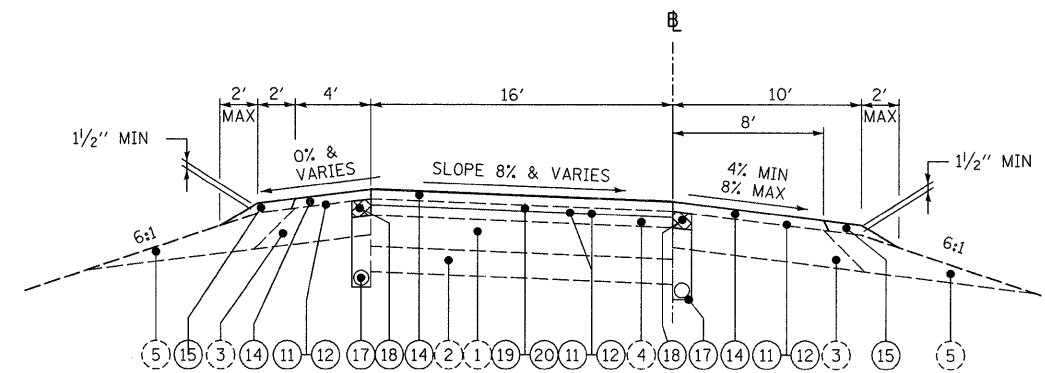
SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	11
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76C56				



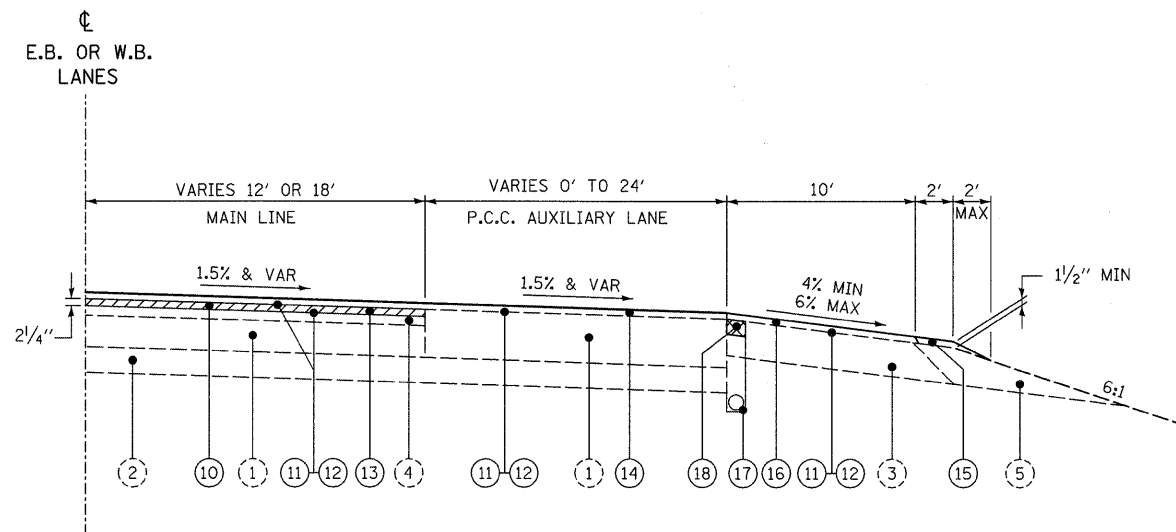


F.A.I. ROUTE 70  
24' PAVEMENT RAMPS  
TYPICAL SECTION



F.A.I. ROUTE 70  
16' PAVEMENT RAMPS  
TYPICAL SECTION

NOTE: RAMP SHOULDER RESURFACING ON ONE LANE RAMPS SHALL BE PAID FOR AS HMA SURFACE COURSE. ON TWO LANE RAMPS, RAMP SHOULDER RESURFACING WILL BE PAID FOR AS HMA SHOULDERS.



F.A.I. ROUTE 70  
TYPICAL PCC AUXILIARY LANE SECTION

LEGEND

- |   |   |  |
|---|---|--|
| ① EXISTING P.C.C. CONCRETE                      | ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4" (UNLESS NOTED)                    | ⑰ PROPOSED PIPE UNDERDRAINS, 4"                      |
| ② EXISTING 8" SUB-BASE GRANULAR MATERIAL TYPE A | ⑪ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)  | ⑱ PROPOSED SHOULDERS REMOVAL AND REPLACEMENT, 8"     |
| ③ EXISTING HMA SHOULDERS                        | ⑫ PROPOSED AGGREGATE (PRIME COAT)   | ⑲ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 1"        |
| ④ EXISTING HMA SURFACE                          | ⑬ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"          | ⑳ PROPOSED LEVELING BINDER (MACHINE METHOD), N90, 1" |
| ⑤ EXISTING AGGREGATE SHOULDERS                  | ⑭ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 2" |  |
| ⑥ EXISTING INLAYED ASPHALT SURFACE              | ⑮ PROPOSED AGGREGATE SHOULDERS, TYPE B  |  |
|   | ⑯ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2"  |  |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HORNER &  
SHIRIN, INC.  
ENGINEERS

TYPICAL SECTIONS  
F.A.I. 70 PROPOSED

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	12
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76C56	

SCALE: NONE

SHEET NO. 3 OF 3 SHEETS STA. TO STA.

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PLOT DATE = 9/16/2009 8:51:39 PM		DATE -	REVISED -

PAVING SCHEDULE

Table with 23 columns: LOCATION, DIRECTION, SIDE, TEMPORARY RAMP, AGGREGATE SHOULDERS, TYPE B, HOT-MIX ASPHALT SHOULDERS, HOT-MIX ASPHALT SHOULDERS, 12", PAVED SHOULDER REMOVAL, PORTLAND CEMENT CONCRETE SHOULDER 12", PROTECTIVE COAT, HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT, PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT, HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, HOT-MIX ASPHALT SURFACE REMOVAL, 1", HOT-MIX ASPHALT SURFACE REMOVAL, 2", HOT-MIX ASPHALT SURFACE REMOVAL, 1/4", INCIDENTAL HOT-MIX ASPHALT SURFACING, BITUMINOUS MATERIAL (PRIME COAT), AGGREGATE (PRIME COAT), LEVELING BINDER (MACHINE METHOD), N90, POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19-O, N90, POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, MATERIAL TRANSFER DEVICE, SHOULDER RUMBLE STRIP, EROSION CONTROL CURB, EROSION CONTROL CURB REMOVAL. Rows include stationing (e.g., I-55/70, 358+30) and detailed material quantities.

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HORNER & SHIFRIN, INC.  
ENGINEERS  
SCALE: NONE

SCHEDULES OF QUANTITIES  
PAVING  
SHEET NO. 1 OF 12 SHEETS  
STA. TO STA.

F.A.I. RTE. 70 SECTION 60-(5,6,7)RS, 60-(6,7)BR COUNTY MADISON TOTAL SHEETS 185 SHEET NO. 13 CONTRACT NO. 76C56  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



**PAVING SCHEDULE**

LOCATION	DIRECTION	SIDE	TEMPORARY RAMP	AGGREGATE, SHOULDERS, TYPE B	HOT-MIX ASPHALT SHOULDERS	HOT-MIX ASPHALT SHOULDERS, 12'	PAVED SHOULDER REMOVAL	PORTLAND CEMENT CONCRETE SHOULDER 12"	PROTECTIVE COAT	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	INCIDENTAL HOT-MIX ASPHALT SURFACING	BITUMINOUS MATERIAL (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELLING BINDER (MACHINE METHOD), N90	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19-G, N90	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	MATERIAL TRANSFER DEVICE	SHOULDER RUMBLE STRIP	EROSION CONTROL CURB	EROSION CONTROL CURB REMOVAL		
			SQ YD	TON	TONS	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TONS	TONS	TONS	TONS	TONS	TONS	TONS	FOOT	FOOT	FOOT	
564+60.00 TO 565+00.00	EB		196							89																	
Black Lane																											
7+00.00 TO 14+65.00	RAMP 1																0.5	4.9	135			270	405				
7+00.00 TO 14+56.00	RAMP 1	RT		30																				755			
7+00.00 TO 14+56.00	RAMP 1	LT		32																				794			
16+00.00 TO 16+40.00	RAMP 2		125							54																	
14+25.00 TO 14+65.00	RAMP 1		125							54	72																
I-255																											
802+16.00 TO 802+56.00	ROADWAY "B"		187							80	107																
811+68.00 TO 816+54.00	ROADWAY "B"	LT					409	409	409																		
811+71.00 TO 817+48.00	ROADWAY "B"	RT					632	632	632																		
821+50.00 TO 824+03.00	ROADWAY "B"	LT					221	221	221																		
821+93.00 TO 827+36.00	ROADWAY "B"	RT					597	597	597																		
736+01.00 TO 736+41.00	ROADWAY "A"		187							80	107																
516+81.00 TO 517+21.00	RAMP 5		134							63	72																
616+85.00 TO 617+25.00	RAMP 6		134							63	72																
224+86.00 TO 225+26.00	RAMP 2		134							63	72																
100+00.00 TO 100+40.00	RAMP 1		134							134																	
134+50.00 TO 139+53.00	RAMP 1	RT					556	556	556																		
134+50.00 TO 139+21.00	RAMP 1	LT					412	412	412																		
142+13.00 TO 145+21.00	RAMP 1	LT					263	263	263																		
142+26.00 TO 147+22.00	RAMP 1	RT					553	553	553																		
IL - 157																											
00+00.00 TO 3+66.00	RAMP 4																0.5	2.2									
00+00.00 TO 10+11.00	RAMP 4											2957											17				
3+66.00 TO 27+93.00	RAMP 4	LT		97													0.4	3.3	17				17			2431	
3+66.00 TO 27+93.00	RAMP 4	RT		96													0.3	2.2								2416	
10+11.00 TO 27+93.00	RAMP 4												3150				2.3	13.0	177			785	962				
27+53.00 TO 27+93.00	RAMP 4		116							45																	
1+46.00 TO 1+86.00	RAMP 1		116							45																	
1+20.00 TO 1+95.00	RAMP 2													256			0.2	0.8									
1+20.00 TO 5+26.00	RAMP 2																										
1+20.00 TO 5+26.00	RAMP 2	LT		17																						427	
1+20.00 TO 5+26.00	RAMP 2	RT		15													0.1	0.8								379	
1+75.00 TO 1+95.00	RAMP 2		169							45																	
1+95.00 TO 5+26.00	RAMP 2														691		0.4	2.1	39							39	
3+06.00 TO 22+55.00	RAMP 3												3502				1.9	10.6	197			393	590				
3+06.00 TO 22+55.00	RAMP 3	LT		80													0.2	1.8								2017	
3+06.00 TO 22+55.00	RAMP 3	RT		77													0.3	2.6								1929	
22+15.00 TO 22+55.00	RAMP 3		116							45																	
	TOTAL		7695	3422	8286	58	13847	13789	13789	3070	1638	2957	7343	8154	86155	15	86.2	595.6	565	10861	20534	31960	85844	747	747		

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**SCHEDULES OF QUANTITIES  
 PAVING**

SCALE: NONE

SHEET NO. 3 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	15
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PATCHING SCHEDULE															
LOCATION	DIRECTION	LANE	CLASS B PATCHING												
			TYPE I, 10 INCH	TYPE I, 13 INCH	TYPE II, 10 INCH	TYPE II, 13 INCH	TYPE II, 15 INCH	TYPE III, 13 INCH	TYPE IV, 13 INCH	SAW CUTS	PAVEMENT FABRIC	DOWEL BARS 1-1/2"	TIE BARS 3/4"	DEFORMED BARS	EXPANSION JOINT
			SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	SQ YD	EACH	EACH	EACH	FOOT
I-55/70															
372+50.00	WB	DRIVING LANE				8.00					48		20		
374+00.00	WB	PASSING LANE				10.67					52		20		
374+00.00	WB	MIDDLE LANE				10.67					52		20		
374+00.00	WB	DRIVING LANE				10.67					52		20		
378+62.75	WB	PASSING LANE				10.67					52		10	10	12
378+62.75	WB	MIDDLE LANE				10.67					52		10	10	12
378+62.75	WB	DRIVING LANE				10.67					52		10	10	12
378+75.00	WB	MIDDLE LANE							26.67		76	26.67	20	18	
379+00.00	WB	MIDDLE LANE				13.33					56		20		
380+46.25	EB	PASSING LANE				10.67					52		10	10	12
380+46.25	EB	MIDDLE LANE				10.67					52		10	10	12
380+46.25	EB	DRIVING LANE				10.67					52		10	10	12
401+75.00	EB	AUX LANE	4.00								30		10		
401+75.00	EB	DRIVING LANE				13.33					56		20		
403+50.00	EB	AUX LANE			8.00						48		20		
407+00.00	EB	AUX LANE			8.00						48		20		
413+00.00	EB	AUX LANE			13.33						56		20		
413+50.00	EB	DRIVING LANE				13.33					56		20		
413+50.00	EB	MIDDLE LANE				13.33					56		20		
417+50.00	EB	DRIVING LANE							16.00		60	16.00	20		
417+75.00	EB	DRIVING LANE							16.00		60	16.00	20		
460+50.00	EB	DRIVING LANE				10.67					52		20		
546+00.00	WB	PASSING LANE					8.00				48		20		
551+00.00	WB	DRIVING LANE					13.33				56		20		
	EB	RAMP 1				5.33					36		14		
	EB	RAMP 1				5.33					36		14		
482+50.00	EB	RAMP 2		4.00							30		10		
	WB	RAMP 3				5.33					36		14		
	WB	RAMP 3				5.33					36		14		
	WB	RAMP 3				5.33					36		14		
	WB	RAMP 3				5.33					36		14		
ANTICIPATED FAILURES				4.00		50.30			16.00		302	16.00	120		
TOTAL			4.00	8.00	29.33	250.30	21.33	48.00	26.67	1822.00	74.67	624.00	18.00	60.00	72.00
ROUNDED TOTAL			4	8	29	250	21	48	27	1822	75	624	18	60	72

TREE REMOVAL SCHEDULE									
LOCATION	DIRECTION	TREE REMOVAL	SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2	PERIMETER EROSION BARRIER
		ACRE	ACRE	POUND	POUND	POUND	TON	ACRE	FOOT
I-55/70									
373+66.00	EB	0.14	0.14	13	13	13	0.3	0.14	260
400+03.00 TO 415+87.00	EB	0.85	0.85	77	77	77	1.7	0.85	1300
415+87.00	WB	0.28	0.28	26	26	26	0.6	0.28	460
510+91.00 TO 516+19.00	EB	0.23	0.23	21	21	21	0.5	0.23	450
516+19.00 TO 532+03.00	EB	1.79	1.79	162	162	162	3.6	1.79	1644
537+31.00	EB	0.06	0.06	6	6	6	0.2	0.06	140
538+60.00	EB	0.06	0.06	6	6	6	0.2	0.06	140
547+87.00	EB	0.03	0.03	3	3	3	0.1	0.03	90
549+16.00	EB	0.03	0.03	3	3	3	0.1	0.03	90
554+44.00 TO 565+00.00	EB	0.73	0.73	66	66	66	1.5	0.73	1120
TOTAL		4.20	4.20	383	383	383	8.8	4.20	5694

REMOVAL SCHEDULE				
LOCATION	DIRECTION	FOUNDATION REMOVAL	REMOVE CONCRETE FOUNDATION - OVERHEAD	REMOVE OVERHEAD SIGN STRUCTURE - SPAN
		EACH	EACH	EACH
I-55/70				
392+11.00	EB		2	1
483+08.00	EB	1		
501+78.00	EB		2	1
505+00.00	EB	1		
511+03.00	WB		2	1
536+00.00	EB	1		
537+45.00	WB		2	1
TOTAL		3	8	4

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**PIPE UNDERDRAIN SYSTEM SCHEDULE**

LOCATION	PIPE UNDERDRAIN 4"				PIPE UNDERDRAIN 4" (SPECIAL)				CONCRETE HEADWALL FOR PIPE UNDERDRAIN	SHOULDER REMOVAL AND REPLACEMENT 8"			
	RIGHT	EB MEDIAN	WB MEDIAN	LEFT	RIGHT	EB MEDIAN	WB MEDIAN	LEFT		RIGHT	EB MEDIAN	WB MEDIAN	LEFT
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT		EACH	FOOT	FOOT	FOOT
I-55/70													
378+94 TO 384+12				518									518
379+96 TO 384+12			416								416		
380+78 TO 384+12		334								334			
381+79 TO 384+12	234									234			
384+12 TO 390+14	602	602	602	610						602	602	602	610
389+45 TO 390+14				140									140
390+14 TO 393+90	382				4	18	18	4	1	4	10	10	4
390+14 TO 397+13		700	700	700							700	700	700
393+25 TO 397+13	458									458			
397+13 TO 404+16	704	704	704	704	20	18	18	4	1	10	10	10	4
404+16 TO 411+95		780	780		4	18	18	44	1	4	10	10	10
404+16 TO 412+00	784			784						784			784
411+95 TO 418+35		640	640			18	18				10	10	
412+00 TO 418+35				636	6					6			636
412+00 TO 419+00	700									700			
418+35 TO 426+00		766	766	766		18	18	4			10	10	4
419+00 TO 423+30	430				16				1	10			
422+00 TO 429+00	700				2				1	2			
426+00 TO 430+00		400	400	400		18	2	4			10	2	4
429+00 TO 435+00	600				24				1	10			400
430+00 TO 432+67				268						600	400	400	400
430+00 TO 435+00		500	500								500	500	
430+87 TO 435+00				414									414
435+00 TO 440+00		500	500	500	4	18	18	4		4	10	10	4
435+00 TO 445+00	1000									1000			
440+00 TO 445+00		500	500			18	18	2			10	10	2
440+00 TO 450+02				1002							500	500	1002
445+00 TO 450+02	502	502	502		2	2	18			2	2	10	
449+20 TO 450+02	84									84			
450+02 TO 456+00	598				2	18	18	2	1	2	10	10	2
450+02 TO 458+00		798	798	798						598			798
456+00 TO 466+00	1000				28				1	10			
457+00 TO 458+00				102						1000			
458+00 TO 459+00				100		18	2	4			10	2	4
458+00 TO 464+00		600	600	600							600	600	600
464+00 TO 470+02		602	602	602		18	2	2			10	2	2
466+00 TO 470+02	402				16					10			602
470+02 TO 474+00	398	398	398		12	18	18	2		10	10	10	2
470+02 TO 478+02				800						398	398	398	
473+33 TO 474+00	88									88			800
474+00 TO 477+00	300				8	4	18			8	4	10	
474+00 TO 482+00	800	800	800							300			
478+02					2				1	800	800	800	2

**PIPE UNDERDRAIN SYSTEM SCHEDULE**

LOCATION	PIPE UNDERDRAIN 4"				PIPE UNDERDRAIN 4" (SPECIAL)				CONCRETE HEADWALL FOR PIPE UNDERDRAIN	SHOULDER REMOVAL AND REPLACEMENT 8"			
	RIGHT	EB MEDIAN	WB MEDIAN	LEFT	RIGHT	EB MEDIAN	WB MEDIAN	LEFT		RIGHT	EB MEDIAN	WB MEDIAN	LEFT
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT		EACH	FOOT	FOOT	FOOT
478+02 TO 482+00				398									398
482+00 TO 486+51				452									452
482+00 TO 486+84			484									484	
482+00 TO 487+16		516									516		
482+00 TO 487+49	550										550		
486+51 TO 490+42				392									392
486+84 TO 490+85			402								2		2
487+16 TO 490+85										2			
487+16 TO 491+24		370										370	
487+49 TO 491+24	376									2			
490+42 TO 495+00				458									458
490+85 TO 495+00		416	416							18	18		10 10
491+24 TO 496+00	476									2			416 416
495+00 TO 498+00				300								14	2 476
495+00 TO 499+48		448	448										10 10
496+00 TO 499+85	386									26			416 416
498+00 TO 502+00				676									2 476
499+48 TO 504+00		452	452										10 10
499+85 TO 503+00	316									2			452 452
502+00 TO 506+00				400									2 316
503+10 TO 507+05	514												10 10
504+00 TO 509+00		500	500										500 500
506+00 TO 510+45				446						20		20	2 10
506+00 TO 510+60	504												10 10
509+00 TO 510+88													504 504
509+00 TO 511+43		188											10 10
509+25 TO 512+50			244										188 244
514+84 TO 516+64													10 10
516+64 TO 520+40		376	376										10 10
516+76 TO 520+48				372									376 376
519+24 TO 523+60	436									17			10 10
520+42 TO 520+44													10 10
520+44 TO 524+20		376											376 376
520+44 TO 524+20			376										376
520+52 TO 524+24				372									372
523+64 TO 528+00	436									17			10 10
524+24 TO 528+00		376	376										436
524+28 TO 528+00													10 10
528+00 TO 531+83													376 376
528+00 TO 531+89		389											10 10
528+00 TO 532+64				464									372
528+00 TO 531+94			394										464
531+83										17			394

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**SCHEDULES OF QUANTITIES  
 PIPE UNDERDRAINS**

SCALE: NONE SHEET NO. 6 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	18
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	



**PIPE UNDERDRAIN SYSTEM SCHEDULE**

LOCATION	PIPE UNDERDRAIN 4"				PIPE UNDERDRAIN 4" (SPECIAL)				CONCRETE HEADWALL FOR PIPE UNDERDRAIN	SHOULDER REMOVAL AND REPLACEMENT 8"			
	RIGHT	EB MEDIAN	WB MEDIAN	LEFT	RIGHT	EB MEDIAN	WB MEDIAN	LEFT		RIGHT	EB MEDIAN	WB MEDIAN	LEFT
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT		FOOT	FOOT	FOOT	FOOT
531+87 TO 535+70	383								EACH	383			
531+89 TO 535+82		389				12			1	10			
531+93 TO 535+92			394				12		1		10		
532+68 TO 537+32				464				17	1				10
535+80 TO 539+38	358								1	10			
535+94 TO 538+95		301							1	358			
536+04 TO 539+00			296						1	10			
537+36 TO 542+00				464				14	1				10
538+99 TO 542+00		301							1	10			
539+04 TO 542+00			296						1	301			
539+42 TO 542+69	358							14	1	10			
542+00 TO 546+22						12	12	14	1	10	10	10	
546+22 TO 549+36	314								1	314			
546+60 TO 549+36		276	276	276					1	10	276	276	276
549+36 TO 553+29	393	393	393	393					1	393	393	393	393
553+29 TO 557+26	393	393	393	393	17	12	12	17	1	10	10	10	10
557+30 TO 562+30	500	500	500	500	17	12	12	14	1	10	10	10	10
558+53 TO 562+34					17	12	12	14	1	10	10	10	10
562+34 TO 567+34	500	500	500	500	17	12	12	14	1	10	10	10	10
<b>SUB-TOTAL</b>	<b>18342</b>	<b>17586</b>	<b>17724</b>	<b>18876</b>	<b>420</b>	<b>488</b>	<b>454</b>	<b>330</b>	<b>48</b>	<b>18592</b>	<b>17904</b>	<b>18024</b>	<b>19084</b>
<b>RAMP PIPE UNDERDRAIN</b>													
<b>BLACK LANE RAMP 1</b>													
0+00 TO 5+00	500				20				1	10			
5+00 TO 10+00	500								1	10			
6+00 TO 11+00				500				12	1				10
10+00 TO 14+65	465				16				1	10			500
11+00 TO 14+65								12	1	465			10
<b>SUB-TOTAL</b>													
<b>IL-157 RAMP 2</b>													
IL 157 TO 1+98	481									481			
1+00 TO 4+52				430				12	2	10			430
4+52 TO 511+59	490				15				1	10			10
<b>SUB-TOTAL</b>													
<b>IL-157 RAMP 3</b>													
513+56 TO 3+00	400									400			
3+00 TO 4+55				500									500
4+59 TO 5+00	400							13	1	10			
8+04 TO 8+59									9	1			9
<b>SUB-TOTAL</b>													

**PIPE UNDERDRAIN SYSTEM SCHEDULE**

LOCATION	PIPE UNDERDRAIN 4"				PIPE UNDERDRAIN 4" (SPECIAL)				CONCRETE HEADWALL FOR PIPE UNDERDRAIN	SHOULDER REMOVAL AND REPLACEMENT 8"			
	RIGHT	EB MEDIAN	WB MEDIAN	LEFT	RIGHT	EB MEDIAN	WB MEDIAN	LEFT		RIGHT	EB MEDIAN	WB MEDIAN	LEFT
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT		FOOT	FOOT	FOOT	FOOT
8+63 TO 10+88	495								EACH	495			
10+88 TO 13+46									13			12	2
13+46 TO 13+62												12	1
13+62 TO 18+46				500									
13+62 TO 18+12	450								13				1
18+16 TO 22+66	450												1
18+50 TO 23+50												12	1
<b>SUB-TOTAL</b>													
<b>IL-157 RAMP 4</b>													
493+04 TO 3+30												17	1
3+30 TO 8+24													15
4+50 TO 9+23	473												1
8+28 TO 13+18												15	1
9+27 TO 14+00	473												1
13+22 TO 18+12													15
14+04 TO 18+77	473											12	1
18+16 TO 23+06													13
18+81 TO 23+54	473												1
28+00 TO 28+00													13
23+58 TO 28+31	473												1
<b>SUB-TOTAL</b>	<b>6996</b>									<b>6283</b>	<b>205</b>		<b>169</b>
<b>TOTAL</b>	<b>25338</b>	<b>17586</b>	<b>17724</b>	<b>25159</b>	<b>625</b>	<b>488</b>	<b>454</b>	<b>499</b>	<b>76</b>	<b>25738</b>	<b>17904</b>	<b>18024</b>	<b>25496</b>
<b>TOTAL</b>										<b>85807</b>			<b>2066</b>
													<b>76</b>

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**SCHEDULES OF QUANTITIES  
PIPE UNDERDRAINS**

SCALE: NONE SHEET NO. 7 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	19
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING SCHEDULE**

LOCATION	DIRECTION	SIDE	THERMOPLASTIC PAVEMENT MARKING					LETTERS AND SYMBOLS WHITE	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B		RAISED REFLECTIVE PAVEMENT MARKER			SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING			DELINEATORS	DELINEATOR REMOVAL
			LINE 4" YELLOW	LINE 4" WHITE	LINE 6" YELLOW	LINE 6" WHITE	LINE 8" WHITE		INLAID - LINE 6" WHITE	LINE 6" WHITE	MARKER REMOVAL	MARKER	MARKER (BRIDGE)		LINE 4"	LINE 6"	LINE 8"		
			FOOT	FOOT	FOOT	FOOT	FOOT		SQ FT	FOOT	FOOT	EACH	EACH		EACH	FOOT	FOOT		
I-55/70																			
371+00.00 TO 374+49.00	WB	LT																1	1
371+00.00 TO 374+73.54	WB	LT											48		1122				
371+00.00 TO 375+30.00	WB								220		20	20	176		440				
371+00.00 TO 375+60.45	WB	RT											60		1383				
371+00.00 TO 376+57.02	EB	LT											72		1674				
371+00.00 TO 377+15.00	EB								300		32	32	96		600				
371+00.00 TO 377+43.93	EB	RT											84		1932				
371+00.00 TO 377+68.00	EB	RT															2	2	
371+00.00 TO 389+54.69	WB	LT						1857											
371+00.00 TO 565+00.00	WB	RT																	
371+00.00 TO 565+00.00	EB	LT																	
371+00.00 TO 393+58.00	EB	RT																	
374+73.54 TO 377+61.54	WB	LT																	
375+30.00 TO 378+20.00	WB										140	16	12		288				
375+60.45 TO 378+48.45	WB	RT											12		288				
376+57.02 TO 379+45.02	EB	LT											12		288				
377+15.00 TO 380+03.00	EB										140	16	12		288				
377+37.00 TO 389+53.00	WB	LT											56		140			12	12
377+43.93 TO 380+31.93	EB	RT																	
377+61.54 TO 389+54.69	WB	LT											48		1195				
378+20.00 TO 405+00.00	WB																		
378+20.00 TO 513+07.00	WB								1340			136							
378+48.45 TO 512+88.03	WB	RT									588								
379+45.02 TO 512+23.32	EB	LT											540		13430				
380+03.00 TO 483+50.00	EB												1596		39867				
380+03.00 TO 512+04.00	EB								5180		516	516							
380+31.93 TO 393+58.00	EB	RT											4808		12020				
380+56.00 TO 387+05.00	EB	RT											168		4026			2	2
384+12.00																			
385+25.08 TO 389+70.37	WB	GORE						892											
387+04.87 TO 391+33.21	EB	AUX						87											
387+05.00 TO 393+29.00	EB	RT																6	6
389+20.00 TO 399+99.00	WB	LT																3	3
389+70.37 TO 433+62.46	WB	LT																	
390+14.00																			
391+33.21 TO 393+62.17	EB	GORE																	
393+12.00 TO 424+55.00	EB	RT																	
393+62.17 TO 424+55.52	EB	RT																	
397+13.00																			
399+75.22 TO 417+00.29	EB	AUX																	
399+99.00 TO 433+62.00	WB	LT																	
404+16.00																			
405+00.00 TO 421+63.00	WB																		
417+00.29 TO 424+67.57	EB	GORE																	
419+00.00																			
421+63.00 TO 495+79.00	WB																		
422+00.00																			
424+17.00 TO 449+00.00	EB	RT																	
424+67.57 TO 448+50.34	EB	RT																	
427+82.09 TO 430+79.27	WB	GORE																	
429+00.00																			
430+79.27 TO 433+76.19	WB	GORE																	
433+26.00 TO 446+98.00	WB	LT																	
433+76.19 TO 459+56.70	WB	LT																	
446+98.00 TO 459+57.00	WB	LT																	
448+50.34 TO 450+24.53	EB	GORE																	
448+66.00 TO 461+22.00	EB	RT																	
448+64.67 TO 471+74.40	EB	RT																	
450+02.50																			
450+24.53 TO 453+23.90	EB	GORE																	
454+98.72 TO 457+98.83	WB	GORE																	
456+00.00																			
457+98.83 TO 459+71.23	WB	GORE																	
459+22.00 TO 477+90.00	WB	LT																	
459+72.32 TO 477+40.09	WB	LT																	
461+22.00 TO 472+25.00	EB	RT																	
471+74.41 TO 478+29.09	EB	GORE																	
471+84.86 TO 503+43.13	EB	RT																	
477+40.09 TO 481+65.49	WB	GORE																	

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**SCHEDULES OF QUANTITIES  
 PAVEMENT MARKING**

SCALE: NONE SHEET NO. 8 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	20
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76C56				

**PAVEMENT MARKING SCHEDULE**

LOCATION	DIRECTION	SIDE	THERMOPLASTIC PAVEMENT MARKING							PREFORMED PLASTIC PAVEMENT MARKING, TYPE B		RAISED REFLECTIVE PAVEMENT MARKER			SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING			DELINEATORS	DELINEATOR REMOVAL
			LINE 4" YELLOW	LINE 4" WHITE	LINE 6" YELLOW	LINE 6" WHITE	LINE 8" WHITE	LETTERS AND SYMBOLS WHITE	INLAID - LINE 6" WHITE	LINE 6" WHITE	MARKER REMOVAL	MARKER	MARKER (BRIDGE)	LINE 4"		LINE 6"	LINE 8"			
			FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	EACH	EACH	EACH	FOOT		FOOT	FOOT	EACH		
477+51.36 TO 478+02.00	WB	LT				2122		2					84			2122		21	21	
478+29.09 TO 483+50.00	EB	GORE						50										150		
483+50.00 TO 483+50.37	EB	AUX						330		410		80	80					990		
495+79.00 TO 495+79.19	WB	GORE						633				44	44					1899		
498+47.00 TO 498+85.96	WB	LT																3	3	
499+86.00 TO 499+85.96	EB	GORE								200		20	20		44	1079				
502+00.00 TO 503+00.00																				
503+13.00 TO 503+61.95	EB	RT					241							36		723		1	1	
506+00.89 TO 506+20.74	EB	GORE						370												
506+20.74 TO 506+93.00	EB	RT					5893							72		1635				
507+83.00 TO 509+25.00	EB									220		20	20					5	5	
509+82.96 TO 509+90.13	WB	GORE						525												
510+40.00 TO 511+65.29	WB	LT					5513											14	14	
512+04.00 TO 512+23.32	EB	RT										16	16	16	16	318				
512+23.32 TO 512+88.03	EB	LT													16	160				
513+07.00 TO 513+49.88	WB	RT										160	16	16	16	318				
514+75.00 TO 514+82.79	EB	LT													16	160				
514+82.79 TO 514+84.00	EB	RT												348		8610		13	13	
515+21.00 TO 515+40.82	EB									400		20	20							
516+05.29 TO 516+25.00	WB	LT													728	1820				
516+25.00 TO 516+63.82	WB	RT								660		66	66		324	8037				
516+63.82 TO 516+64.00	WB	LT													528	1320				
516+64.00 TO 519+24.00															312	7785				
520+42.00 TO 520+44.00																				
523+06.00 TO 523+64.00	EB									510		50	50							
524+10.00 TO 524+24.00	WB	LT																5	5	
524+24.00 TO 528+15.00	WB	LT																		
528+15.00 TO 531+83.00	EB	RT																4	4	
531+83.00 TO 531+89.00																				
531+89.00 TO 531+94.00																				
532+64.00 TO 535+70.00																				
535+70.00 TO 535+82.00																				
535+82.00 TO 535+95.00																				
537+32.00 TO 538+95.00																				
538+95.00 TO 539+00.00																				
539+00.00 TO 539+38.00																				
539+38.00 TO 542+00.00																				
542+00.00 TO 542+58.10																				
542+58.10 TO 542+69.00	WB	LT												12		259				
542+69.00 TO 542+71.00	WB	LT																		
542+71.00 TO 542+83.84	WB	RT										60	6		24	60				
542+83.84 TO 543+26.73	WB	LT													12	259				
543+26.73 TO 545+85.14	EB	LT													12	259				

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



<b>SCHEDULES OF QUANTITIES</b>	
PAVEMENT MARKING	
SCALE: NONE	SHEET NO. 9 OF 12 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	21
CONTRACT NO. 76C56			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

**PAVEMENT MARKING SCHEDULE**

LOCATION	DIRECTION	SIDE	THERMOPLASTIC PAVEMENT MARKING						PREFORMED PLASTIC PAVEMENT MARKING, TYPE B		RAISED REFLECTIVE PAVEMENT MARKER			SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING			DELINEATORS	DELINEATOR REMOVAL
			LINE 4" YELLOW	LINE 4" WHITE	LINE 6" YELLOW	LINE 6" WHITE	LINE 8" WHITE	LETTERS AND SYMBOLS WHITE	INLAID - LINE 6" WHITE	LINE 6" WHITE	MARKER REMOVAL	MARKER	MARKER (BRIDGE)		LINE 4"	LINE 6"	LINE 8"		
			FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	EACH	EACH	EACH		FOOT	FOOT	FOOT		
543+40.00 TO 545+98.00	EB									60	6	6	24		60				
543+52.63 TO 546+10.88	EB	RT											12		259				
545+06.00 TO 565+00.00	WB	LT															5	5	
545+16.51 TO 565+00.00	WB	LT											240		5952				
545+29.00 TO 565+00.00	WB								490		50	50	392		980				
545+42.25 TO 565+00.00	WB	RT											240		5874				
545+85.14 TO 565+00.00	EB	LT											240		5745				
545+98.00 TO 565+00.00	EB								480		48	48	384		960				
546+10.88 TO 565+00.00	EB	RT											228		5670				
546+22.00 TO 565+00.00	EB	RT															5	5	
546+22.00									2										
546+60.00									2										
553+29.00									2										
557+26.00									2										
558+53.00									2										
562+34.00									2										
BLACK LANE																			
391+33.00 TO 393+12.00	RAMP 1	GORE											18	18					
0+00	RAMP 1								2										
5+00.00	RAMP 1								2										
6+00.00	RAMP 1								2										
6+26.00 TO 9+28.00	RAMP 1	LT															4	4	
6+26.00 TO 12+35.00	RAMP 1	RT															8	8	
6+55.10 TO 14+65.21	RAMP 1	LT	834										36	1668					
6+55.10 TO 14+65.21	RAMP 1	RT		811									36	1622					
10+00.00	RAMP 1								2										
11+00.00	RAMP 1								2										
I-255																			
411+01.00 TO 424+56.00	ROADWAY "B"								340		34	34							
417+00.00 TO 424+18.00	ROADWAY "B"	GORE									72	72							
802+56.06 TO 822+60.20	ROADWAY "B"										500		200		500				
811+70.80 TO 827+36.39	ROADWAY "B"	RT				1566							63		1566				
811+76.46 TO 824+03.26	ROADWAY "B"	LT			1227								50		1227				
421+88.00 TO 433+64.00	ROADWAY "A"								290		30	30							
112+00.00 TO 142+72.43	RAMP 1										770		307		768				
134+49.77 TO 147+21.76	RAMP 1	RT											50		1272				
134+49.77 TO 145+22.17	RAMP 1	LT			1073								43		1072				
477+90.00 TO 481+65.00	RAMP 6	GORE											38	38					
IL - 157																			
493+04.00	RAMP 4								2										
3+34.00	RAMP 4								2										
3+66.00 TO 13+95.00	RAMP 4	LT															14	14	
3+66.00 TO 11+01.00	RAMP 4	RT															10	10	
4+15.37 TO 27+93.14	RAMP 4	LT	2378										288	7134					
4+15.37 TO 27+93.14	RAMP 4	RT		2368									288	7104					
4+50.00	RAMP 4								2										
8+28.00	RAMP 4								2										
9+27.00	RAMP 4								2										
13+22.00	RAMP 4								2										
13+25.00 TO 27+93.00	RAMP 4	RT															23	23	
14+04.00	RAMP 4								2										
18+16.00	RAMP 4								2										
18+81.00	RAMP 4								2										
23+10.00	RAMP 4								2										
23+58.00	RAMP 4								2										
499+86.00 TO 503+12.00	RAMP 1	GORE											32	32					
1+19.99 TO 4+44.04	RAMP 2	LT	337										48	1011					
1+19.99 TO 4+44.04	RAMP 2	RT		325									48	975					
1+20.00 TO 5+26.00	RAMP 2	LT															14	14	
1+20.00 TO 5+26.00	RAMP 2	RT															14	14	
1+98.00	RAMP 2								4										
4+52.00	RAMP 2								2										
510+33.00 TO 512+70.00	RAMP 3	GORE											24	24					
3+06.00 TO 5+15.00	RAMP 3	LT															4	4	
3+06.00 TO 22+55.00	RAMP 3	RT															35	35	

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**SCHEDULES OF QUANTITIES  
 PAVEMENT MARKING**

SCALE: NONE SHEET NO. 10 OF 12 SHEETS STA. TO STA.

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	22
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76C56		

**PAVEMENT MARKING SCHEDULE**

LOCATION	DIRECTION	SIDE	THERMOPLASTIC PAVEMENT MARKING					LETTERS AND SYMBOLS WHITE	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B		RAISED REFLECTIVE PAVEMENT MARKER			SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING			DELINEATORS	DELINEATOR REMOVAL
			LINE 4" YELLOW	LINE 4" WHITE	LINE 6" YELLOW	LINE 6" WHITE	LINE 8" WHITE		INLAID - LINE 6" WHITE	LINE 6" WHITE	MARKER REMOVAL	MARKER	MARKER (BRIDGE)		LINE 4"	LINE 6"	LINE 8"		
			FOOT	FOOT	FOOT	FOOT	FOOT		SQ FT	FOOT	FOOT	EACH	EACH		EACH	FOOT	FOOT		
3+57.54 TO 22+55.02	RAMP 3	LT	1952										240	5856					
3+57.54 TO 22+55.02	RAMP 3	RT		1898									228	5694					
4+55.00	RAMP 3						2												
5+00.00	RAMP 3						2												
8+59.00	RAMP 3						2												
9+88.00 TO 22+56.00	RAMP 3	LT																23	23
10+88.00	RAMP 3						4												
13+46.00	RAMP 3						2												
13+62.00	RAMP 3						2												
18+16.00	RAMP 3						2												
18+50.00	RAMP 3						2												
		TOTAL	5501	5402	41101	43625	8561	152	16430	1990	1878	1848	76	16545	31064	203238	25683	368	368

**MANHOLES AND INLETS ADJUSTMENT SCHEDULE**

LOCATION	DIRECTION	SIDE	MANHOLES TO BE ADJUSTED	INLETS TO BE ADJUSTED
			EACH	EACH
I-55/70				
ROADWAY "A"	WB	GORE	1	
I-255 RAMP 2	EB	GORE		1
I-255 RAMP 1	WB	GORE		1
561+00	WB	RT SHLD		1
TOTAL			1	3

**FURNISHED EXCAVATION SCHEDULE**

LOCATION	FURNISHED EXCAVATION
	CU YD
I-55/70	
ESTIMATED QUANTITY FOR EMBANKMENT TO BRING EXISTING FOUNDATIONS INTO COMPLIANCE WITH THE BDE MANUAL SECTION 50-3.04(C)	
	100
TOTAL	100

**SIGN PANEL SCHEDULE**

LOCATION	SIGN STRUCTURE NUMBER	DESCRIPTION	SIGN PANEL TYPE 3
			SQ FT
I-55/70			
	8S0601055L011.2	EXIT 10	168.75
	8S0601055L011.2	EXIT 11	235.75
	8S060055R008.8	EXIT 9	106.25
	8S0601055L011.4	EXIT 10	175.00
	8S0601055L011.4	EXIT 11	229.50
	8S0601055L011.4	STATE POLICE	237.50
	8S0601055R010.9	CHICAGO	300.00
	8S0601055R010.9	EXIT 11	221.00
TOTAL			1673.75

**WOVEN WIRE FENCE SCHEDULE**

LOCATION	DESCRIPTION	DIRECTION	WOVEN WIRE FENCE, 4'	WOVEN WIRE GATES, 4' X 4' SINGLE
			FOOT	EACH
I-55/70				
	419+52	EB	400	
	469+70	WB	500	
	480+25	WB	300	
	NEAR IDOT OFFICE	WB		1
TOTAL			1200	1

LAST SAVED = 9/15/2009  
PEN TABLE = V8.tbl  
PLOT DRIVER = TR-Xerox6204-TopFile.plt

**REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE SCHEDULE**

LOCATION	STATION	STRUCTURE #	CONTROLLER LOCATION	CIRCUIT DESCRIPTION	REMOVE SIGN LIGHTING CONDUIT	SALVAGE SIGN LIGHTING FIXTURES AND DISCONNECT SWITCH	SALVAGE SIGN LIGHTING FIXTURES, DISCONNECT SWITCH AND SERVICE INSTALLATION	RE-ESTABLISH CIRCUIT WITH SPLICE IN THE EXIST. SIGN TRUSS HANDHOLE
Black Lane	392+10	8S060I055R008.8	Controller #4 at EB I-55/70 Ramp onto SB I-255 Ramp	Between EX6 (389+45) and EX7 (392+60) w/#6 UD	1	1		1
Black Lane	400+00	8S060I055R009.0		Between EX11 (399+19) and EX13 (402+10) w/#4 UD	1	1		1
Fairmont Cit	415+00	8S060I055R009.3		Between EX21 (414+30) and EX23 (416+95) #4 UD	1	1		1
I-255	481+74	8S060I055L010.3	Controller #5 at NB I-255 Ramp onto EB I-55/70	Between A1 (480+35) and WX54 (483+45) w/#2 UD	1	1		1
I-255	483+50	8S060I055R010.3	NB IL 157 between Ramps 1 & 2 and the I-55/70 Bridge	Off Light Pole #1 (498+00)	1	1		
IL 157	501+78	8S060I055R010.9		Off Light Pole #2 (501+50)	1	1		
IL 157	511+03	8S060I055L011.2		Off Light Pole #6 (3+30)				
IL 157	537+40	8S060I055L011.4	Down the Slope, off the Collinsville Belt Line	Off Separate Service and Control Installation			1	

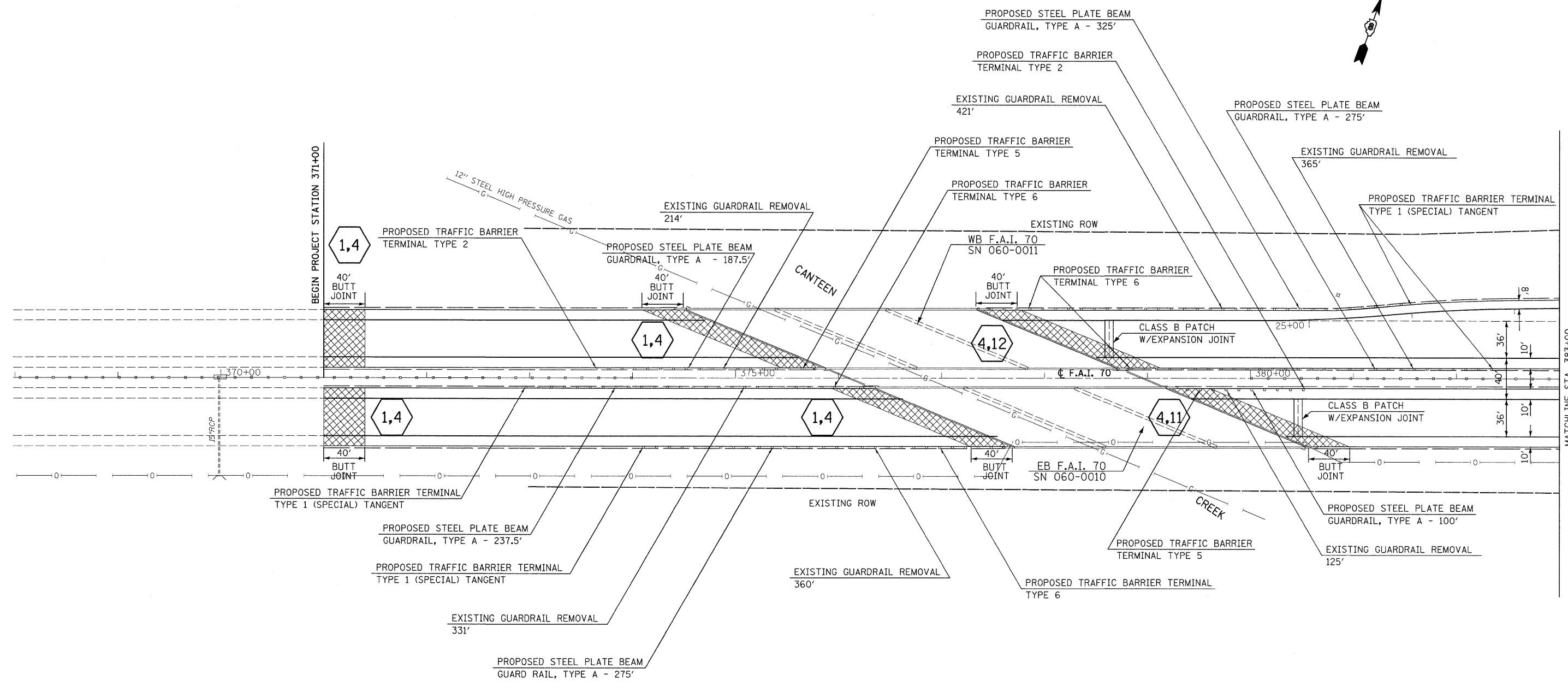
REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE

8 EACH

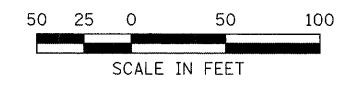
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FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HORNER &amp; SHIRIN, INC. ENGINEERS</b>	<b>SCHEDULES OF QUANTITIES</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1:\08090\work_order_3\ced\plans\087655-Sht-Schedule.dgn	DRAWN -	REVISED -	REVISED -			70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	24		
PLOT SCALE = 50.0023' / IN.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 76C56						
PLOT DATE = 9/16/2009 8:51:46 PM	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT						

SCALE: NONE SHEET NO. 12 OF 12 SHEETS STA. TO STA.



# CORRESPONDS TO A BUTT JOINT OR PAVING TRANSITION FOUND IN THE SPECIAL DETAILS



LAST SAVED = 9/11/2009  
PEN TABLE = VB.tbl  
PLOT DRIVER = TR-Xerox6204-TopFile.plt

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



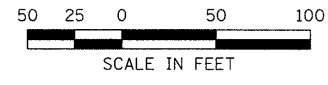
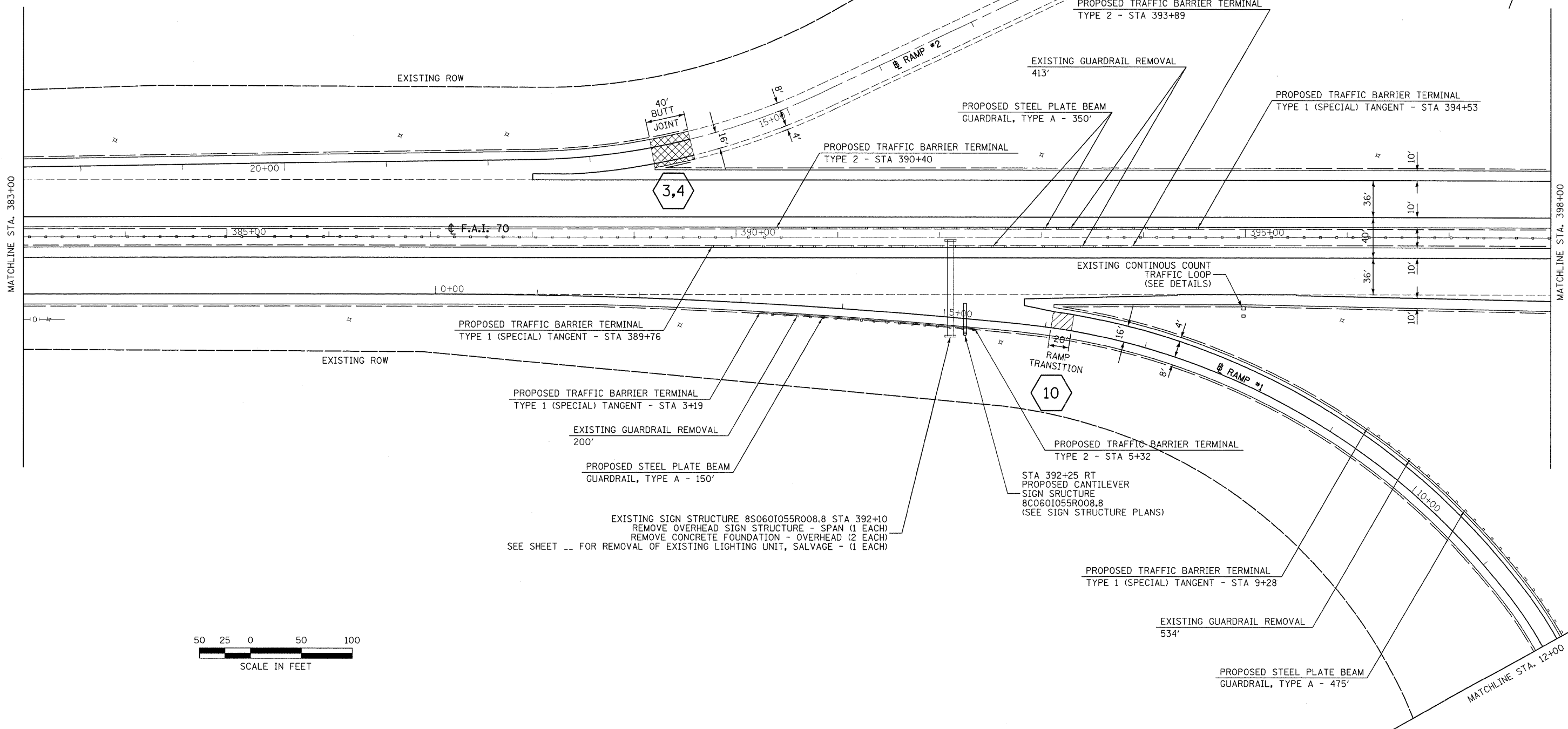
**PLAN**

SCALE: 1" = 50' SHEET NO. 1 OF 16 SHEETS STA. 368+00 TO STA. 383+00

F.A.I. RTE. 70	SECTION 60-(5,6,7)RS, 60-(6,7)BR	COUNTY MADISON	TOTAL SHEETS 185	SHEET NO. 25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	

MATCHLINE STA. 383+00





LAST SAVED = 9/11/2009  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PLAN**

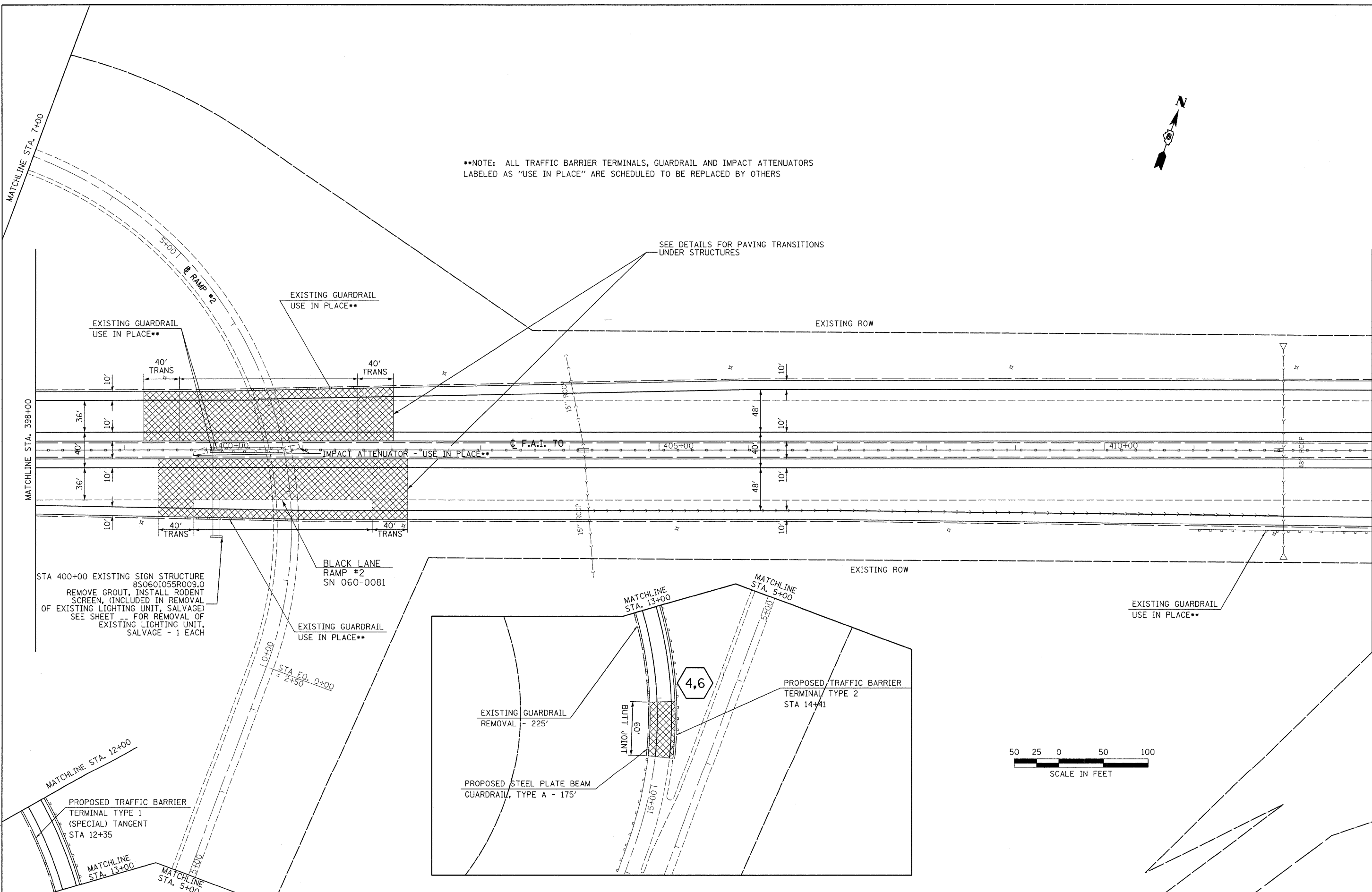
SCALE: 1" = 50'      SHEET NO. 2 OF 16 SHEETS      STA. 383+00 TO STA. 398+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	26
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



••NOTE: ALL TRAFFIC BARRIER TERMINALS, GUARDRAIL AND IMPACT ATTENUATORS LABELED AS "USE IN PLACE" ARE SCHEDULED TO BE REPLACED BY OTHERS

SEE DETAILS FOR PAVING TRANSITIONS UNDER STRUCTURES



EXISTING GUARDRAIL USE IN PLACE••

EXISTING GUARDRAIL USE IN PLACE••

EXISTING ROW

EXISTING GUARDRAIL USE IN PLACE••

BLACK LANE RAMP #2 SN 060-0081

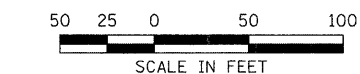
EXISTING GUARDRAIL USE IN PLACE••

EXISTING GUARDRAIL USE IN PLACE••

EXISTING GUARDRAIL REMOVAL - 225'

PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A - 175'

PROPOSED TRAFFIC BARRIER TERMINAL TYPE 2 STA 14+41



LAST SAVED = 9/11/2009  
 PEN TABLE = V8.tbl  
 PLOT DRIVER = TR-Micro6204-TopF1.plt

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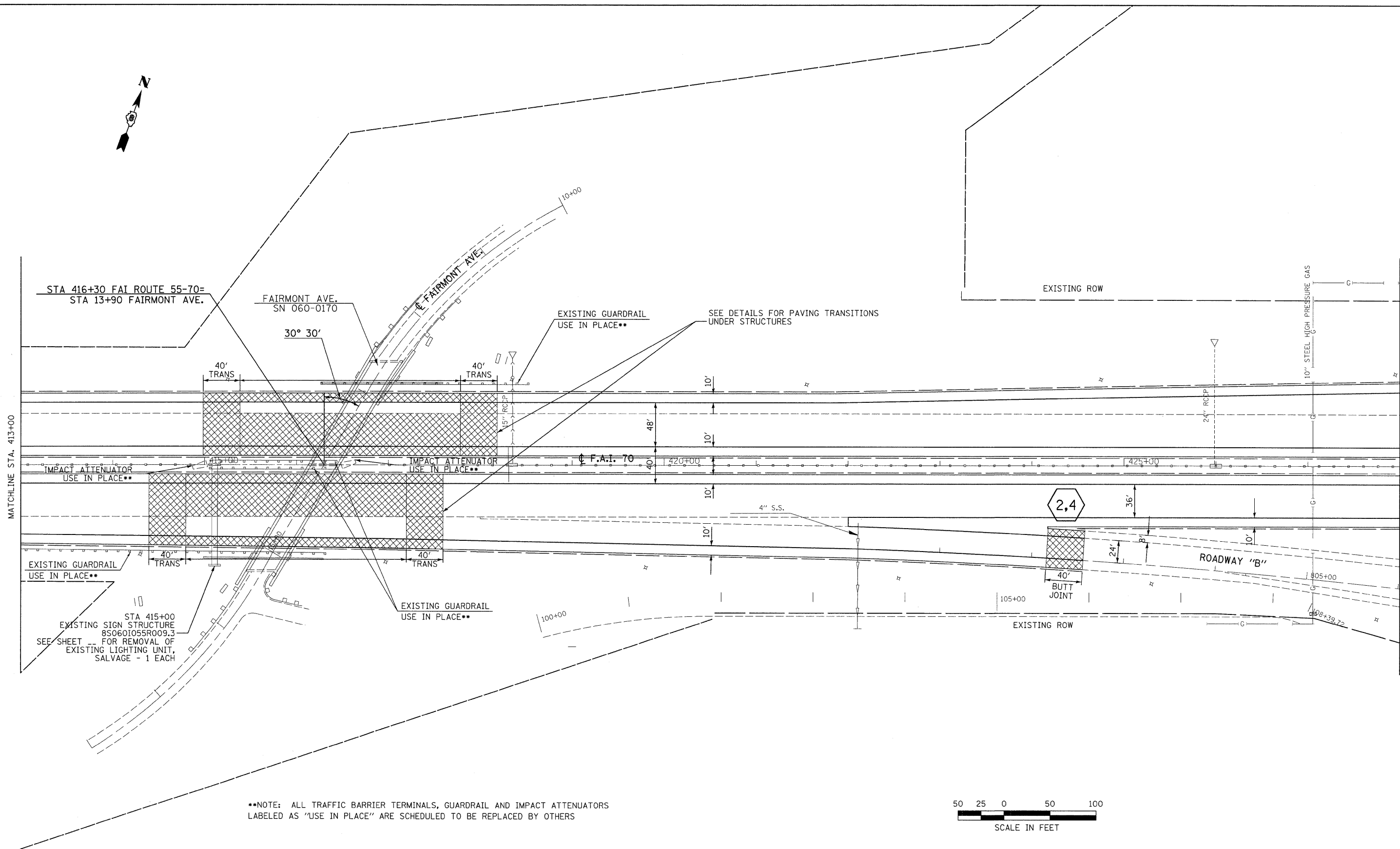
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

HORNER & SHIFRIN, INC.  
 ENGINEERS  
 SCALE: 1" = 50'

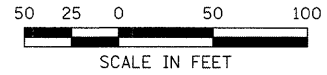
PLAN

SHEET NO. 3 OF 16 SHEETS  
 STA. 398+00 TO STA. 413+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	27
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



\*\*NOTE: ALL TRAFFIC BARRIER TERMINALS, GUARDRAIL AND IMPACT ATTENUATORS LABELED AS "USE IN PLACE" ARE SCHEDULED TO BE REPLACED BY OTHERS



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		DATE -	REVISED -

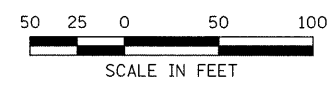
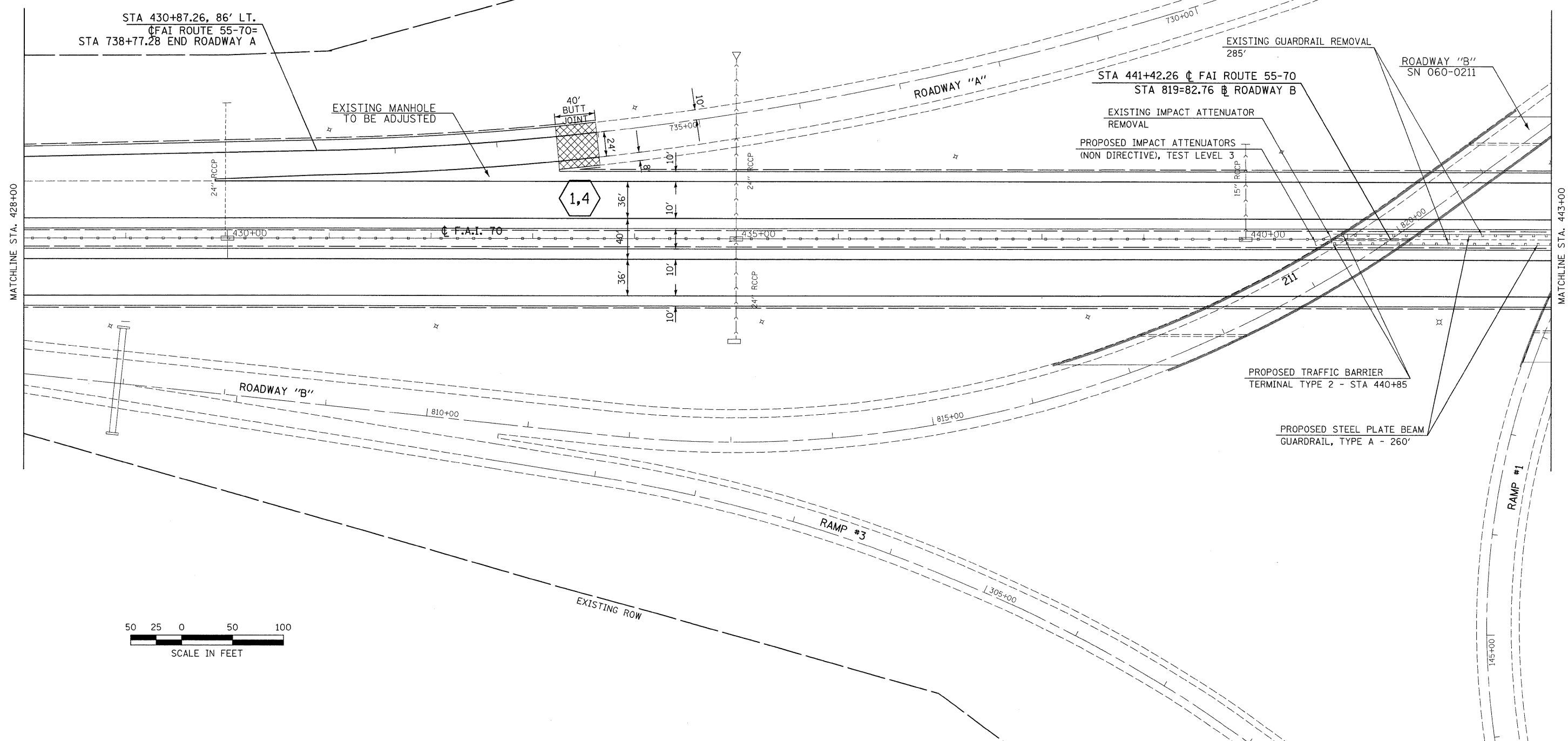
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**PLAN**

SCALE: 1" = 50' SHEET NO. 4 OF 16 SHEETS STA. 413+00 TO STA. 428+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	28
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
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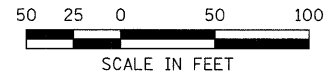
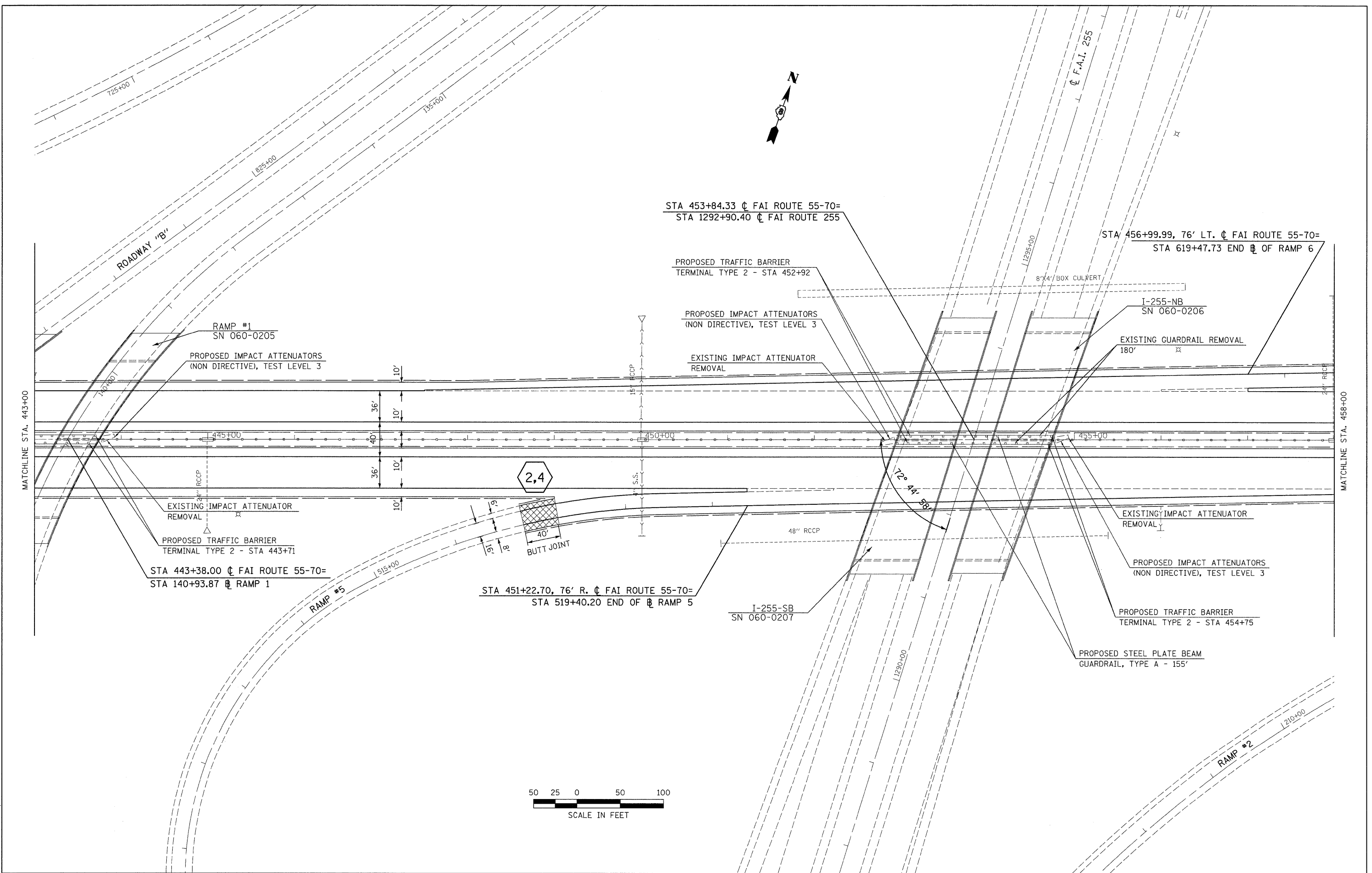
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PLAN**

SCALE: 1" = 50'      SHEET NO. 5 OF 16 SHEETS      STA. 428+00 TO STA. 443+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	29
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
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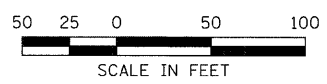
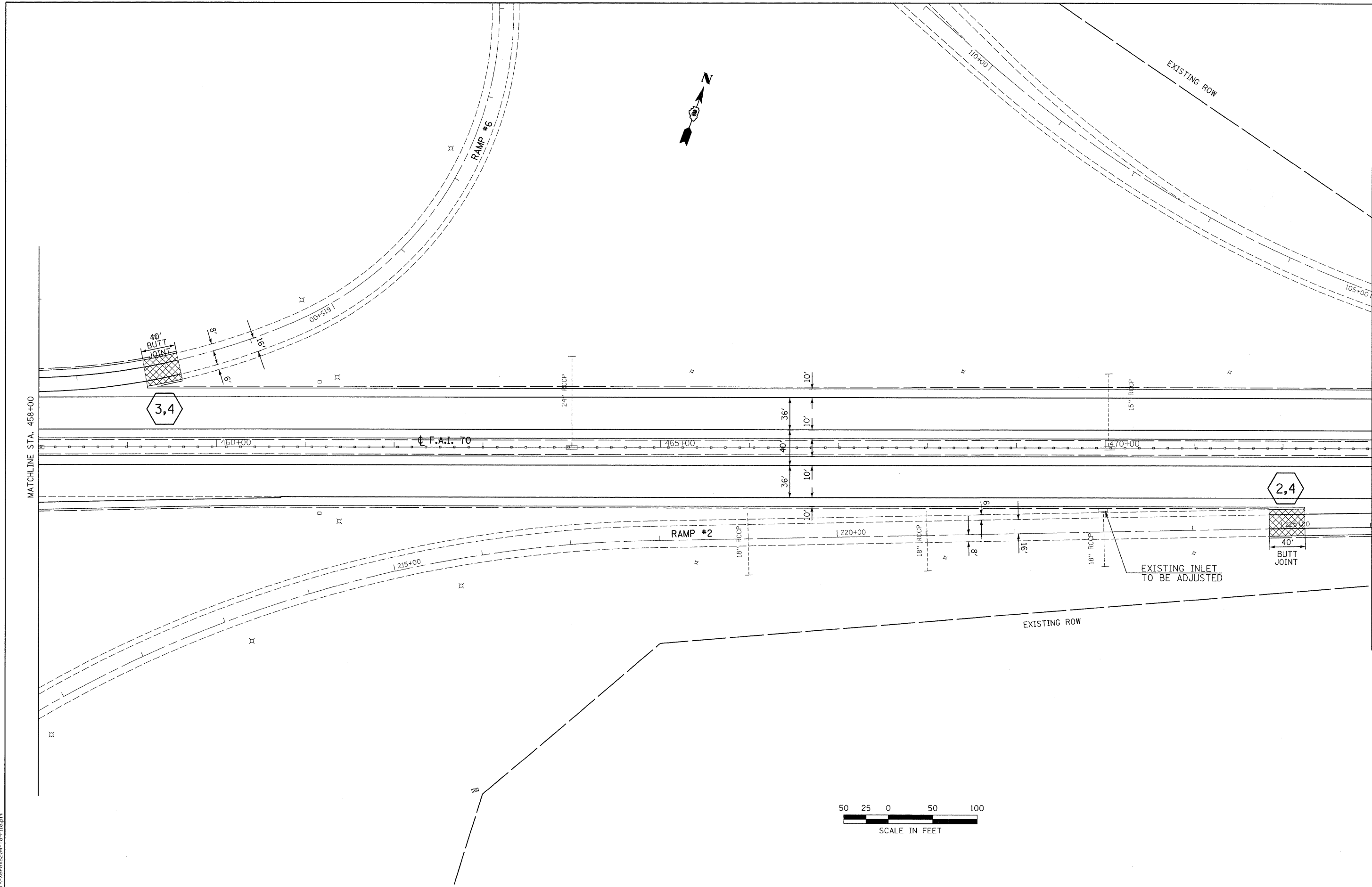
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PLOT DATE = 9/16/2009 8:51:59 PM		DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**HORNER & SHIRIN, INC.**  
 ENGINEERS  
 SCALE: 1" = 50'

**PLAN**  
 SHEET NO. 6 OF 16 SHEETS  
 STA. 443+00 TO STA. 458+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	30
CONTRACT NO. 76C56			ILLINOIS FED. AID PROJECT	



LAST SAVED = 9/17/2009  
 PEN TABLE = VB.tbl  
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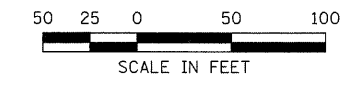
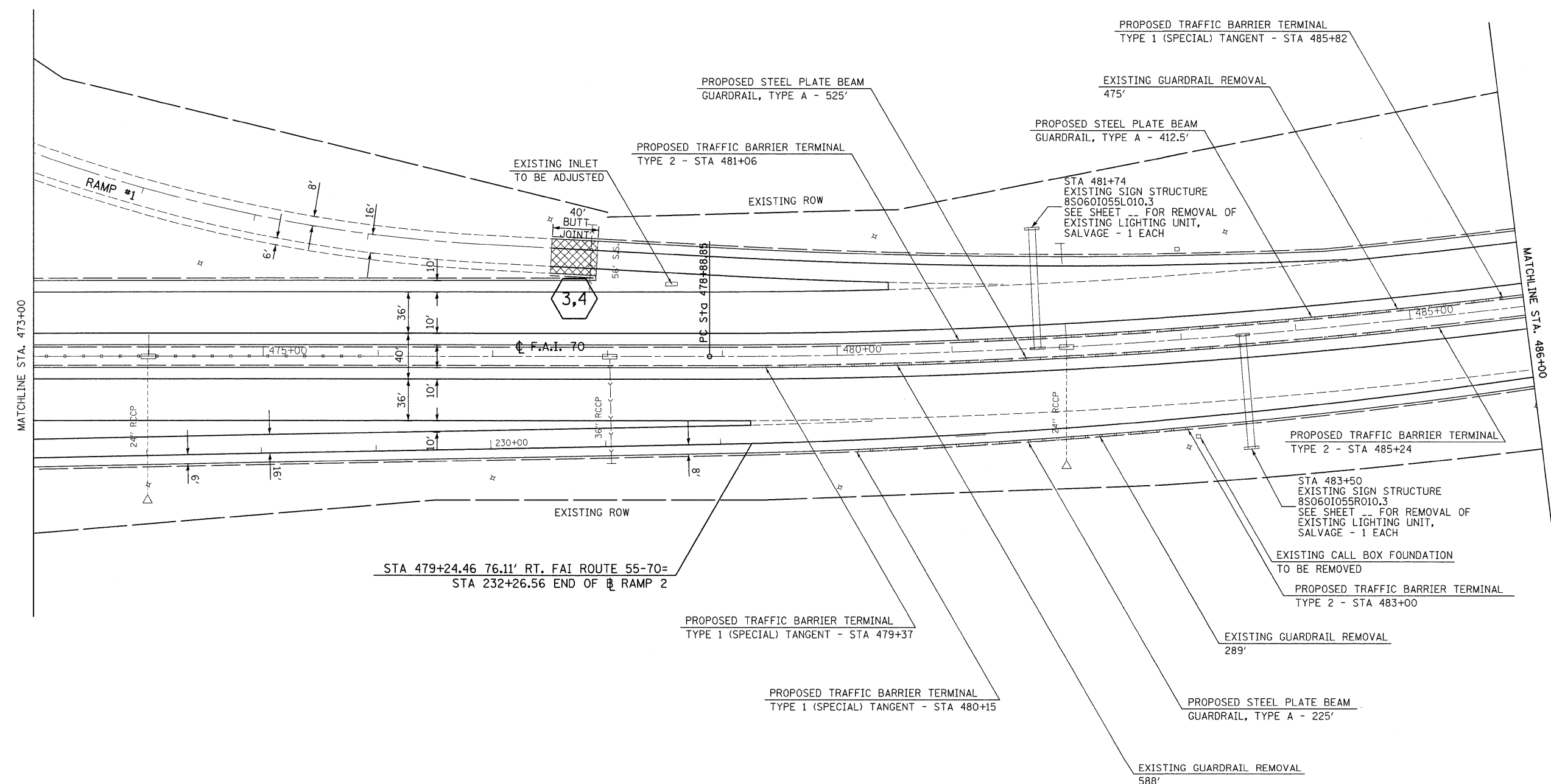
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PLAN**

SCALE: 1" = 50'    SHEET NO. 7 OF 16 SHEETS    STA. 458+00 TO STA. 473+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	31
CONTRACT NO. 76C56				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
 PEN TABLE = VB.tbl  
 PLOT DRIVER = TR-Xerox6204-To-File.plt

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

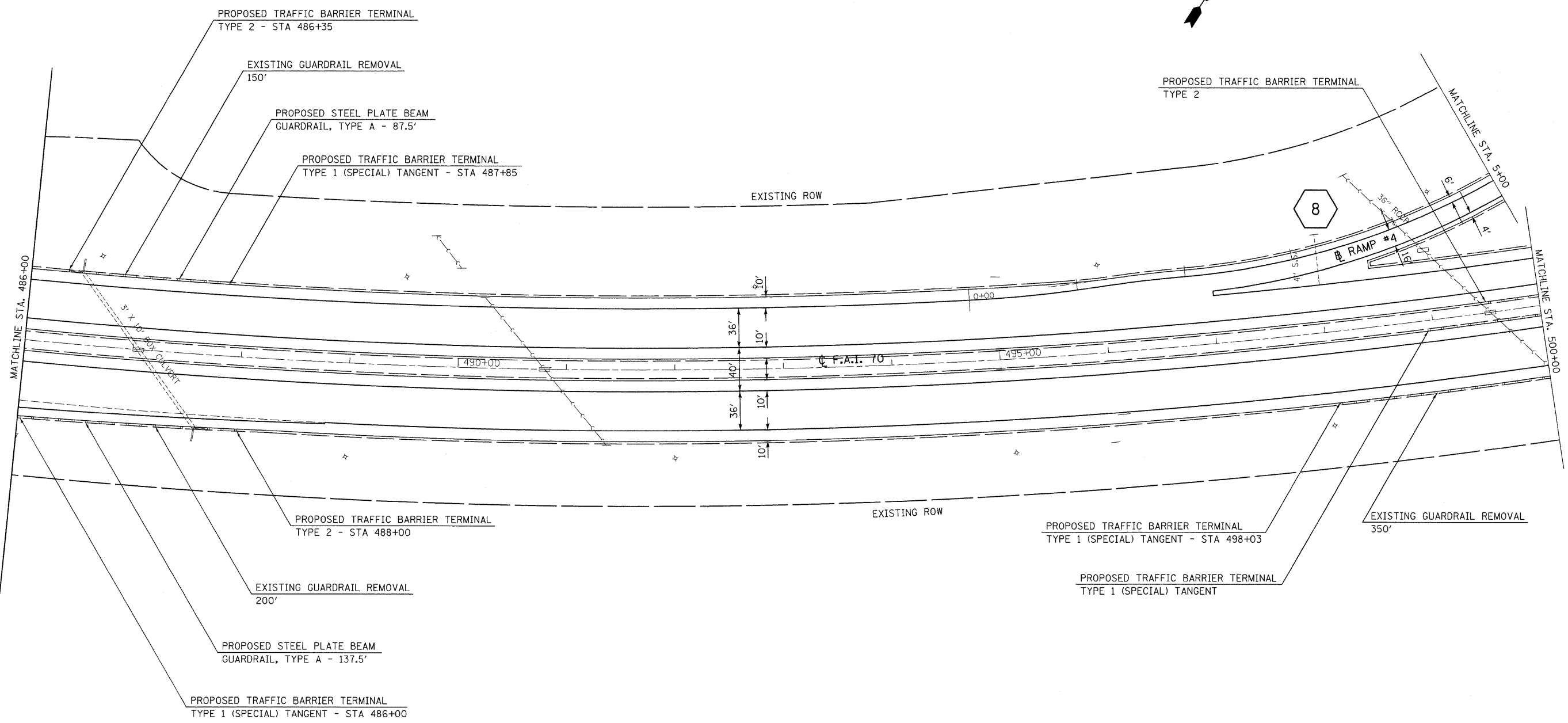


**PLAN**

SCALE: 1" = 50' SHEET NO. 8 OF 16 SHEETS STA. 473+00 TO STA. 486+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	32
CONTRACT NO. 76C56				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		





LAST SAVED = 9/11/2009  
 PEN TABLE = VB.tbl  
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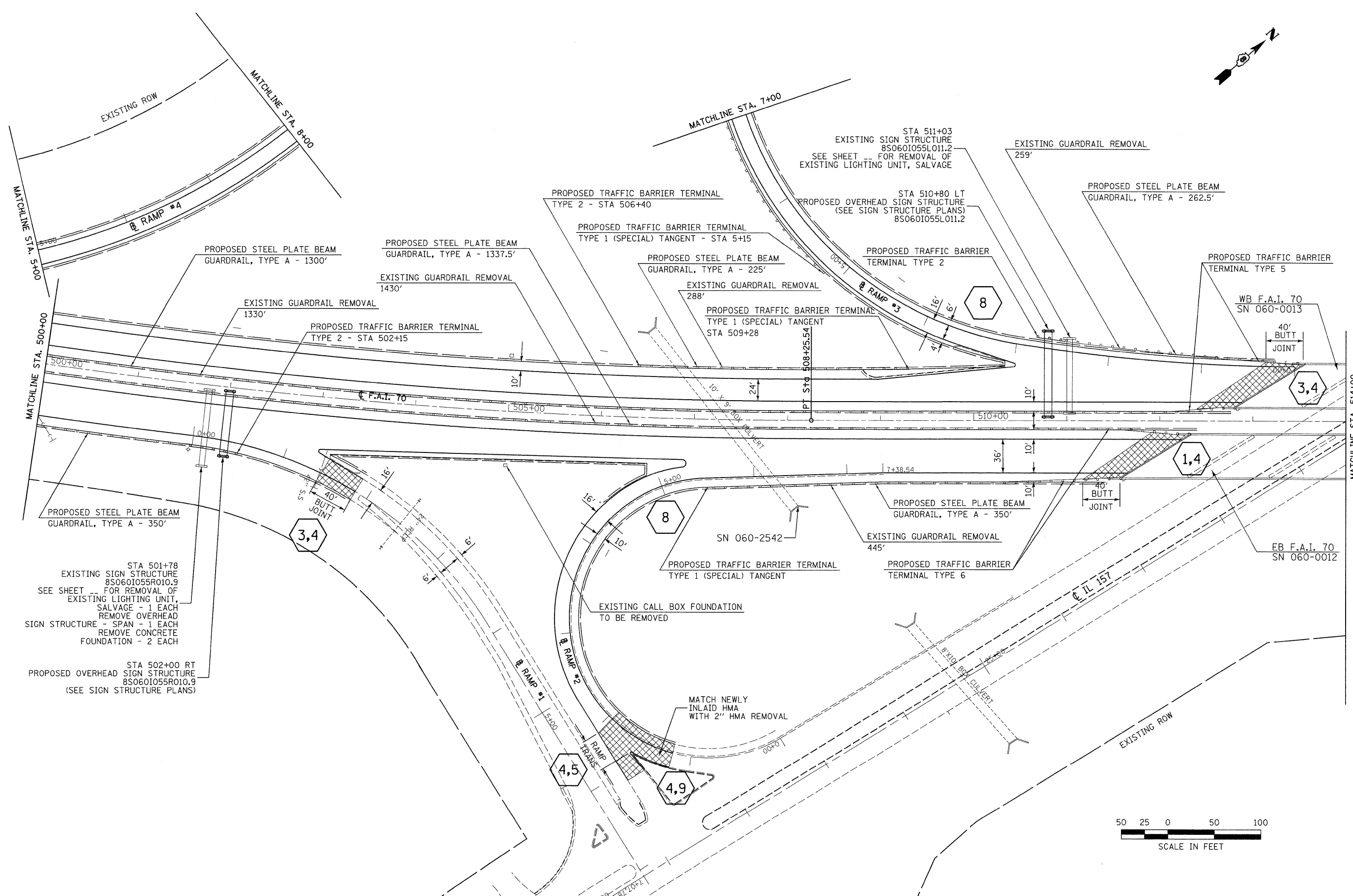
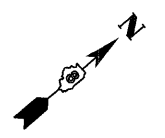
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PLAN**

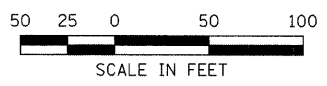
SCALE: 1" = 50'      SHEET NO. 9 OF 16 SHEETS      STA. 486+00 TO STA. 500+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	33
CONTRACT NO. 76C56				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STA 501+78  
EXISTING SIGN STRUCTURE  
8S0601055R010.9  
SEE SHEET -- FOR REMOVAL OF  
EXISTING LIGHTING UNIT,  
SALVAGE - 1 EACH  
REMOVE OVERHEAD  
SIGN STRUCTURE - SPAN - 1 EACH  
REMOVE CONCRETE  
FOUNDATION - 2 EACH

STA 502+00 RT  
PROPOSED OVERHEAD SIGN STRUCTURE  
8S0601055R010.9  
(SEE SIGN STRUCTURE PLANS)



LAST SAVED = 9/11/2009  
PEN TABLE = VB.tbl  
PLOT DRIVER = TR-2arc6204-For-Flt.plt

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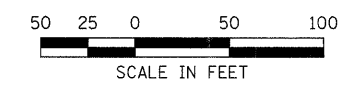
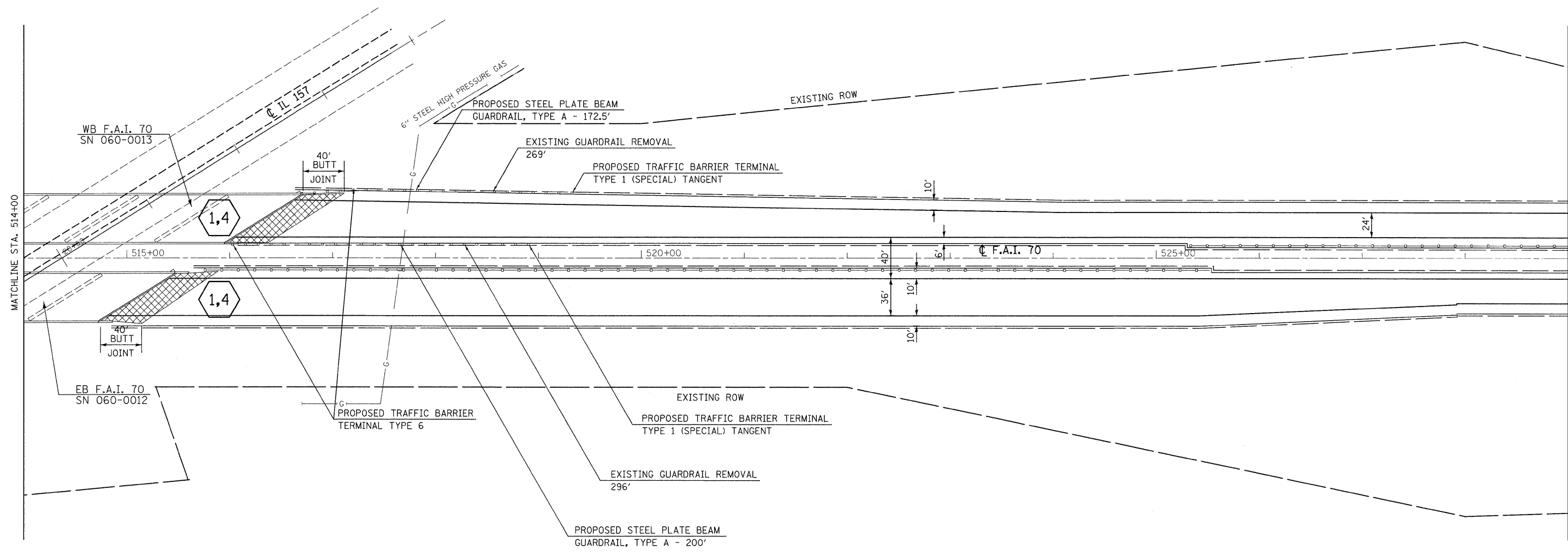
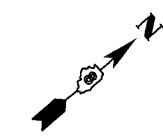
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HORNER &  
SHIFRIN, INC.**  
ENGINEERS

**PLAN**

SCALE: 1" = 50'  
SHEET NO. 10 OF 16 SHEETS  
STA. 500+00 TO STA. 514+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	34
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
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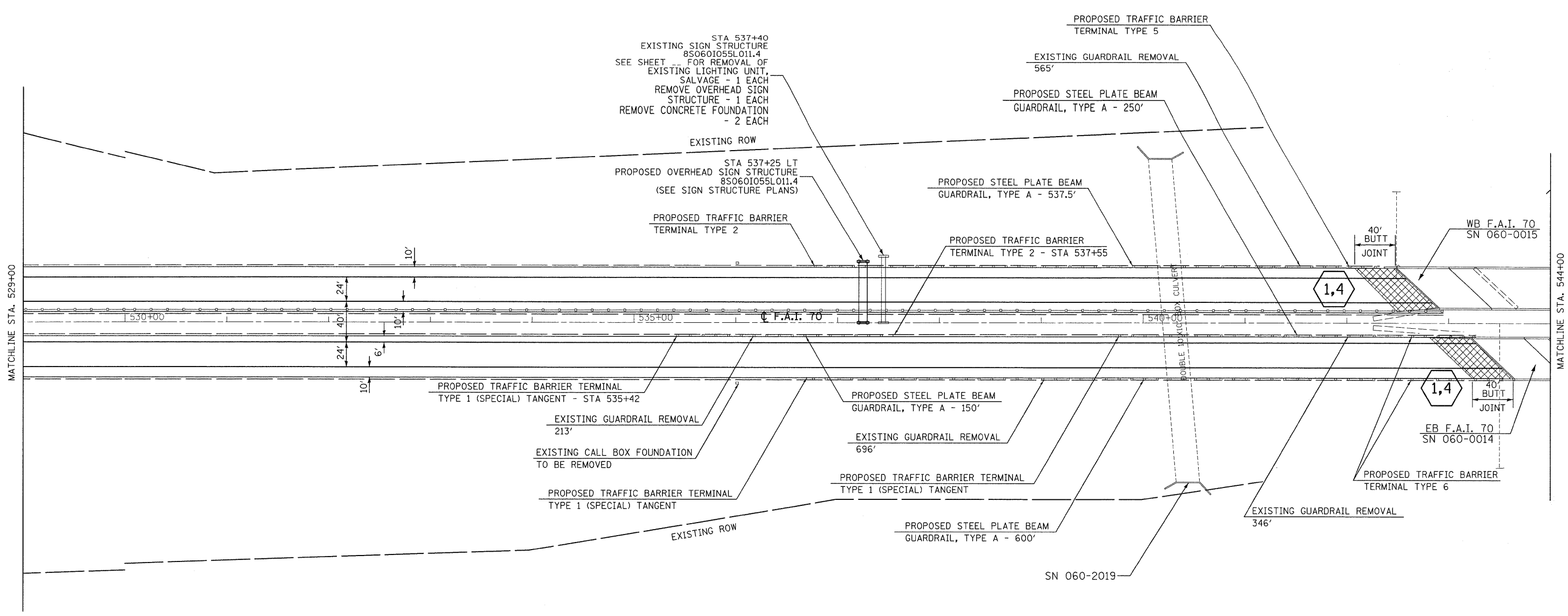
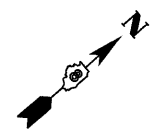
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PLAN**

SCALE: 1" = 50'      SHEET NO. 11 OF 16 SHEETS      STA. 514+00      TO STA. 529+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	35
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76C56	



LAST SAVED = 9/11/2009  
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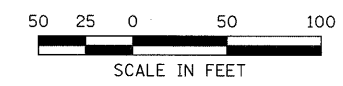
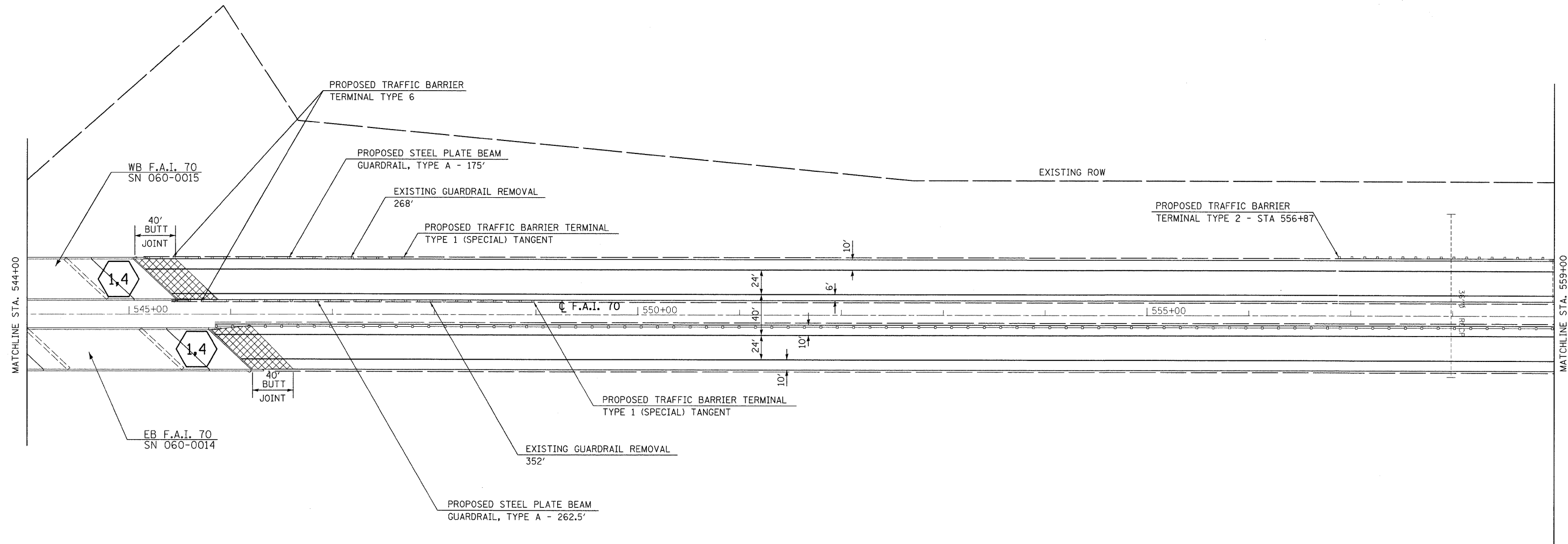
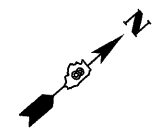
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**PLAN**

SCALE: 1" = 50'      SHEET NO. 12 OF 16 SHEETS      STA. 529+00 TO STA. 544+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	36
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
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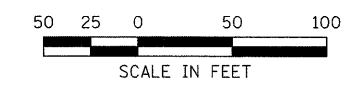
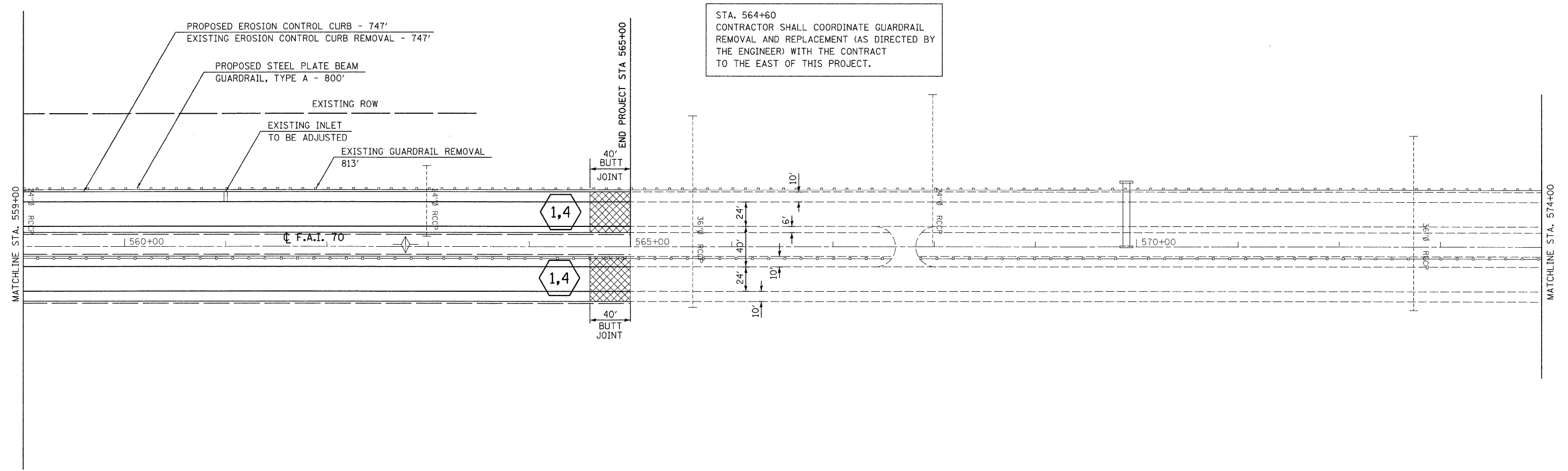
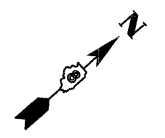
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PLAN**

SCALE: 1" = 50'      SHEET NO. 13 OF 16 SHEETS      STA. 544+00 TO STA. 559+00

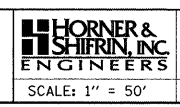
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	37
CONTRACT NO. 76C56				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
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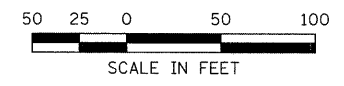
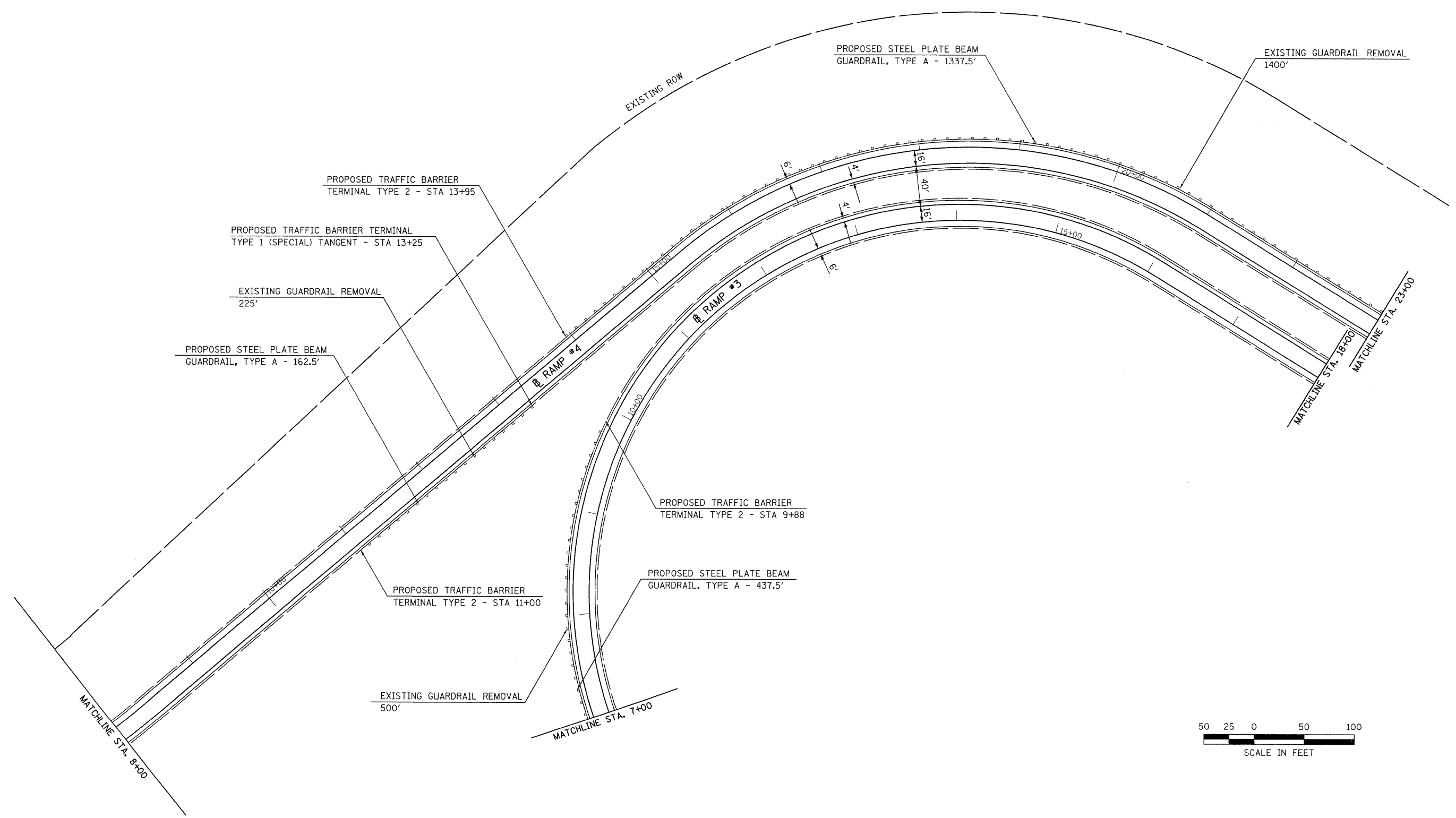
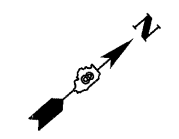
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PLAN**

SCALE: 1" = 50'  
 SHEET NO. 14 OF 16 SHEETS  
 STA. 559+00 TO STA. 574+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	38
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
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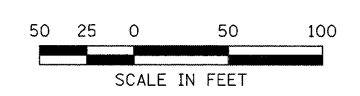
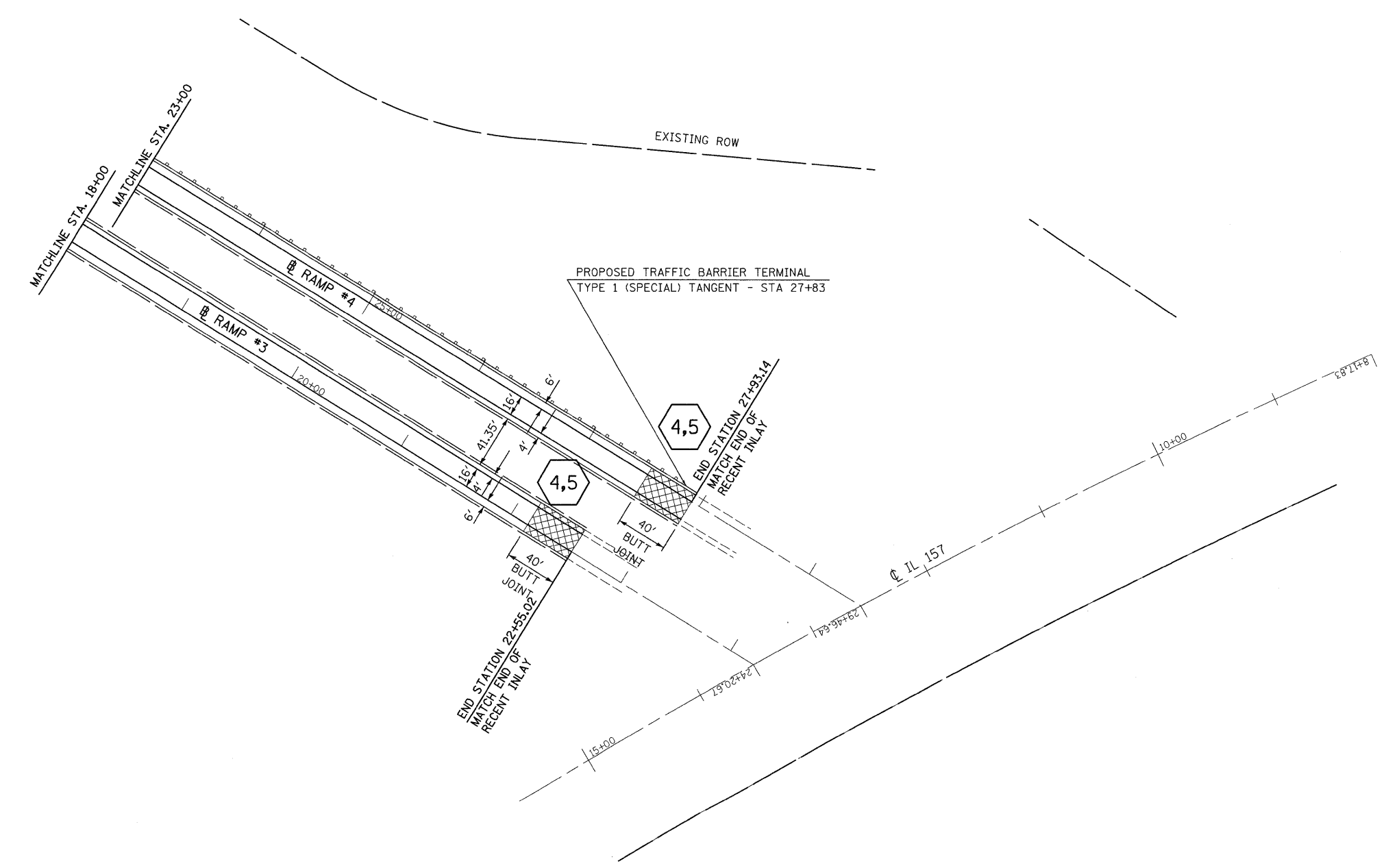
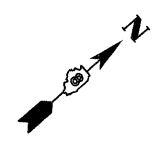
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PLAN**

SCALE: 1" = 50'      SHEET NO. 15 OF 16 SHEETS      STA. 7+00      TO STA. 23+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	39
CONTRACT NO. 76C56				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

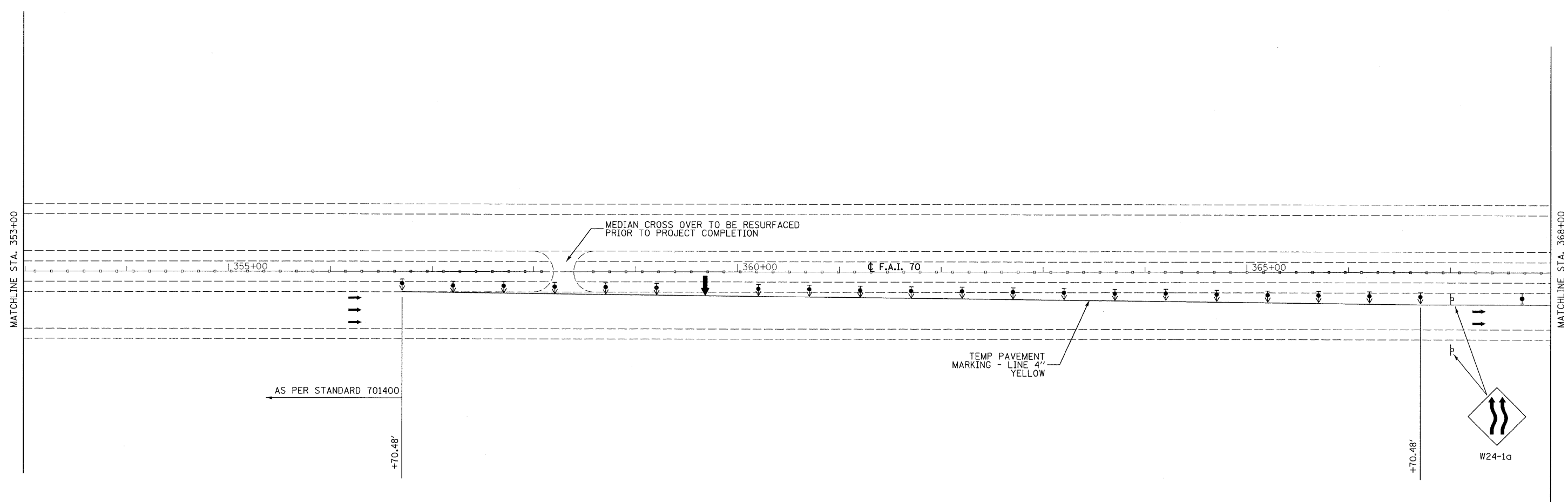


**PLAN**

SCALE: 1" = 50'      SHEET NO. 16 OF 16 SHEETS      STA. 18+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	40
CONTRACT NO. 76C56				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				





- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
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PLOT DATE = 9/16/2009 8:52:21 PM		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
I-55/70 STRUCTURES OVER CANTEEN CREEK  
STAGE I

SCALE: 1" = 50'    SHEET NO. 1 OF 4 SHEETS    STA. 335+00 TO STA. 368+00

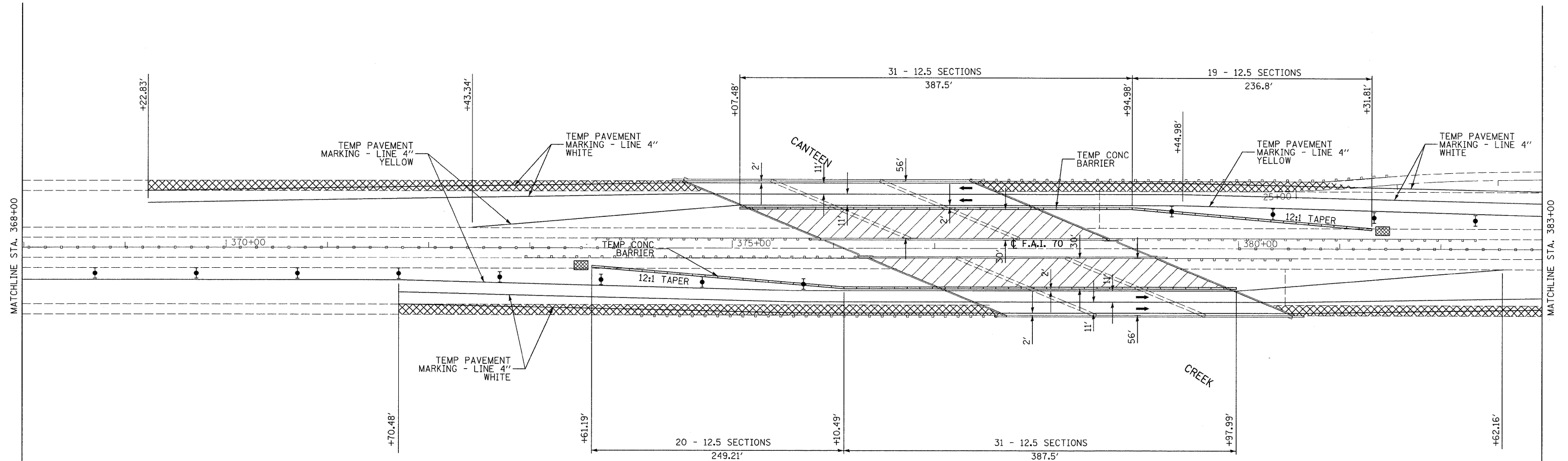
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	41
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76C56	

**TRAFFIC CONTROL PRE-STAGE I**

1. REMOVE AND REPLACE SHOULDER FOR STAGE I AND STAGE II TRAFFIC USING STANDARD 701400 & 701401.
2. HIGHWAY STANDARDS USED:  
701400 & 701401
3. TRAFFIC CONTROL FOR PRE-STAGE I PAID FOR AS:  
PER LUMP SUM FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701401

**TRAFFIC CONTROL STAGE I**

1. INSTALL TRAFFIC CONTROL FOR STAGE I AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:  
701400, 701402, 701411
3. TRAFFIC CONTROL FOR STAGE I PAID FOR AS:  
PER EACH FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)  
PER EACH FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701411
4. IMPLEMENTATION OF THE TRAFFIC CONTROL FOR STAGE I AND SUBSEQUENT RELOCATION TO STAGE II SHALL BE CONSIDERED ONE APPLICATION OF THE STANDARD.
5. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN #2.



- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

▣ HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

LAST SAVED = 9/17/2009  
 PEN TABLE = V8.tb1  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

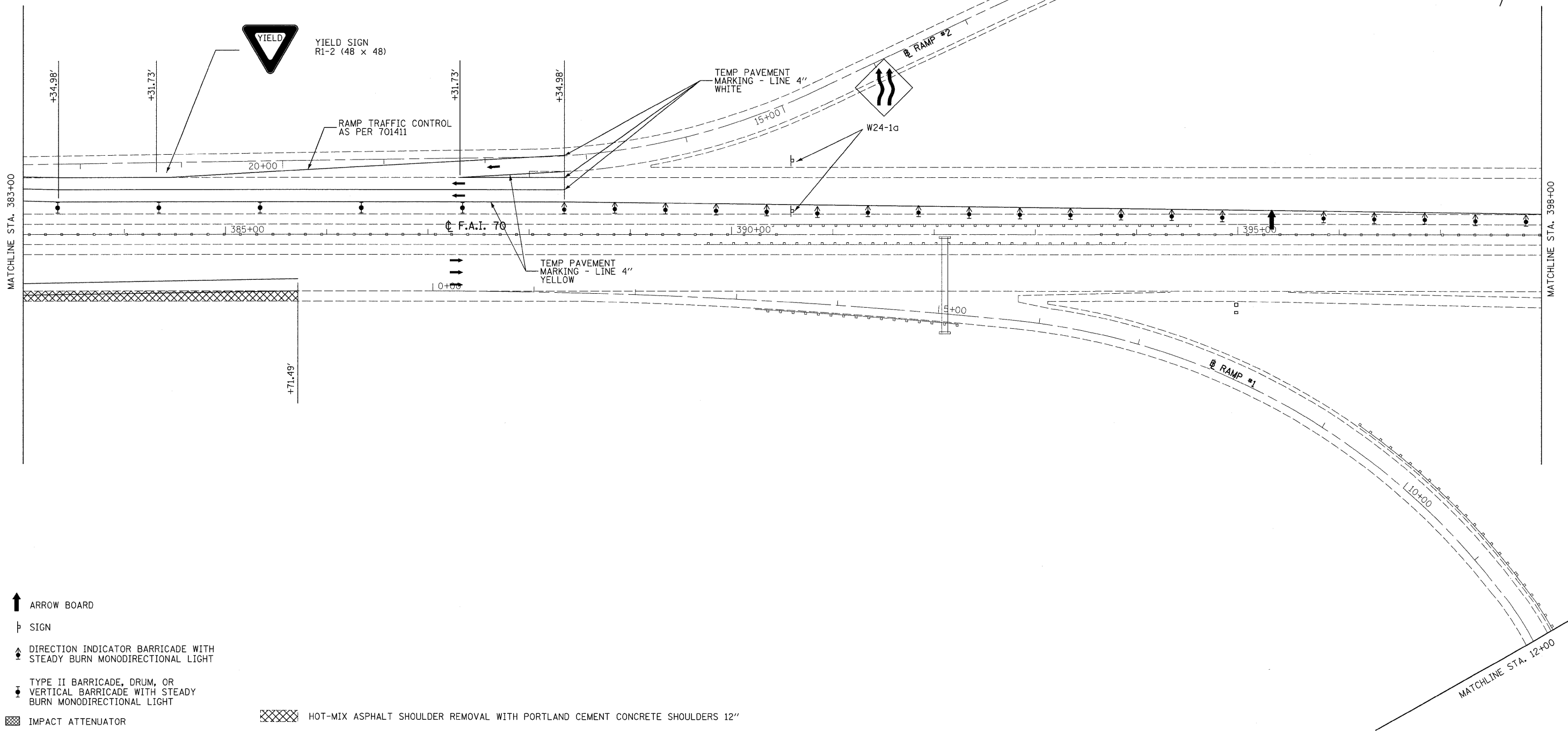


**STAGE CONSTRUCTION DETAILS**  
 I-55/70 STRUCTURES OVER CANTEN CREEK  
 STAGE I

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	42
CONTRACT NO. 76C56				

SCALE: 1" = 50'  
 SHEET NO. 2 OF 4 SHEETS  
 STA. 368+00 TO STA. 383+00

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



↑ ARROW BOARD

┆ SIGN

▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

▨ IMPACT ATTENUATOR

▨ HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

LAST SAVED = 9/11/2009  
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 PLOT DRIVER = TR-Xerox6204-TopFile.plt

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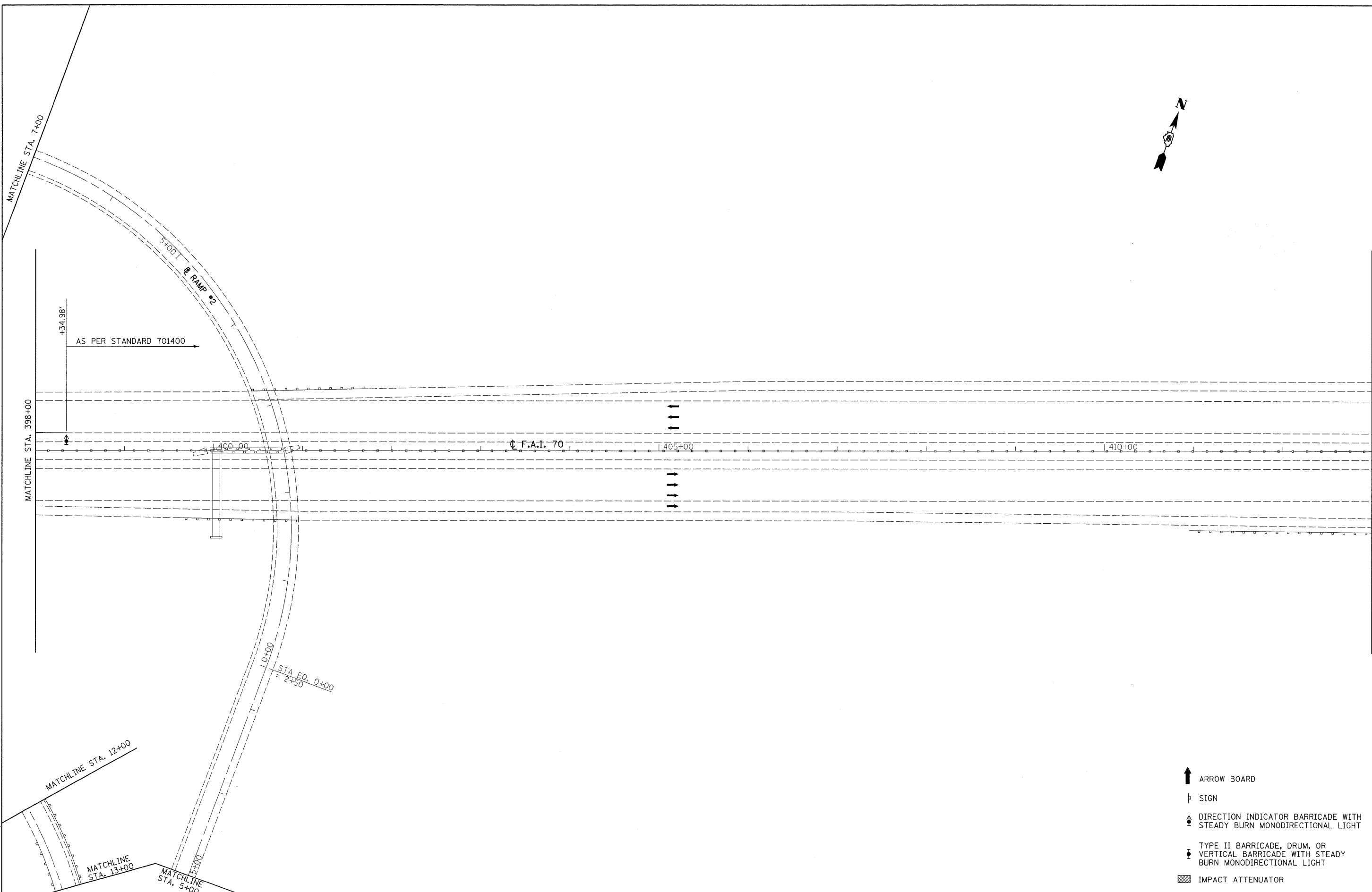
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HORNER &  
SHIFRIN, INC.**  
ENGINEERS

**STAGE CONSTRUCTION DETAILS**  
I-55/70 STRUCTURES OVER CANTEEN CREEK  
STAGE I

SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. 383+00 TO STA. 398+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	43
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- ↑ ARROW BOARD
- ⊥ SIGN
- ↕ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

LAST SAVED = 9/17/2009  
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 PLOT DRIVER = TR:Keros6204-To-File.plt

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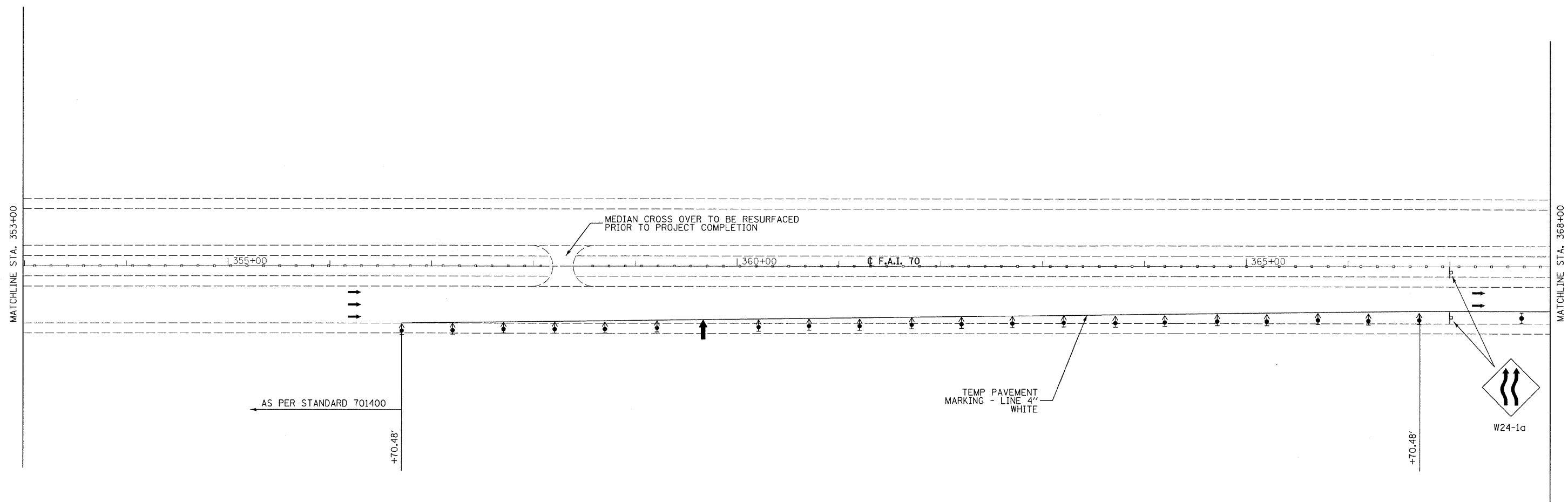
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
I-55/70 STRUCTURES OVER CANTEEN CREEK  
STAGE I

SCALE: 1" = 50'    SHEET NO. 4 OF 4 SHEETS    STA. 398+00 TO STA. 413+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	44
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	



- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



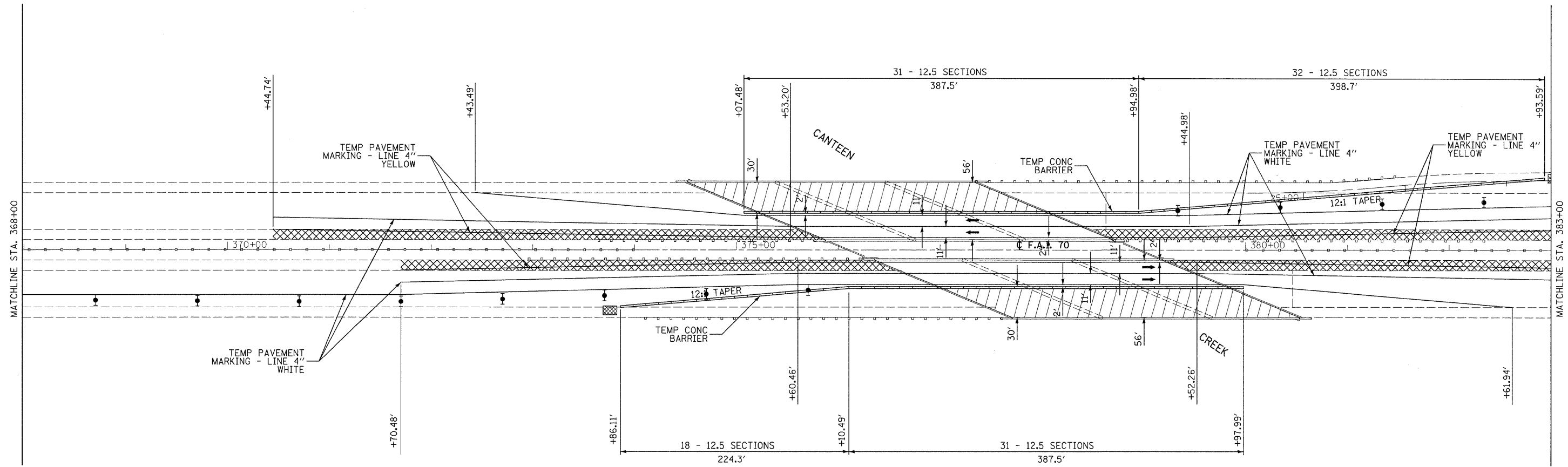
**STAGE CONSTRUCTION DETAILS**  
 I-55/70 STRUCTURES OVER CANTEEN CREEK  
 STAGE II

SCALE: 1" = 50'      SHEET NO. 1 OF 4 SHEETS      STA. 335+00 TO STA. 368+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	45
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76C56		

**TRAFFIC CONTROL STAGE II**

1. RELOCATE TRAFFIC CONTROL FOR STAGE II AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:  
701400, 701402, 701411
3. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN #2.



- ↑ ARROW BOARD
- ⊥ SIGN
- ↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ IMPACT ATTENUATOR
- ▨ HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

LAST SAVED = 9/11/2009  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

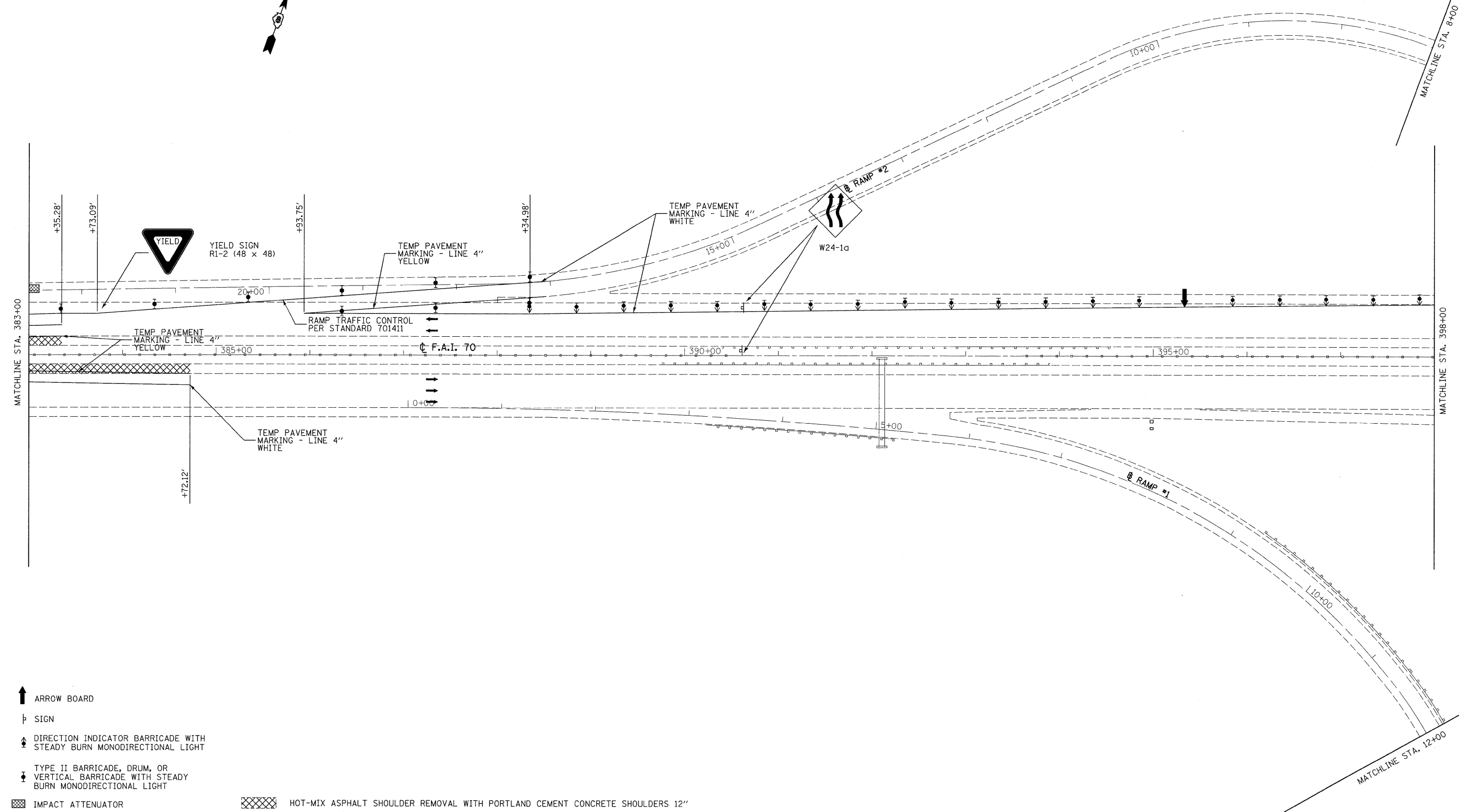


**STAGE CONSTRUCTION DETAILS**  
 I-55/70 STRUCTURES OVER CANTEN CREEK  
 STAGE II

SCALE: 1" = 50'

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	46
CONTRACT NO. 76C56				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SHEET NO. 2 OF 4 SHEETS STA. 368+00 TO STA. 383+00



- ↑ ARROW BOARD
- ⊥ SIGN
- ↕ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ IMPACT ATTENUATOR
- ▨ HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

LAST SAVED = 9/11/2009  
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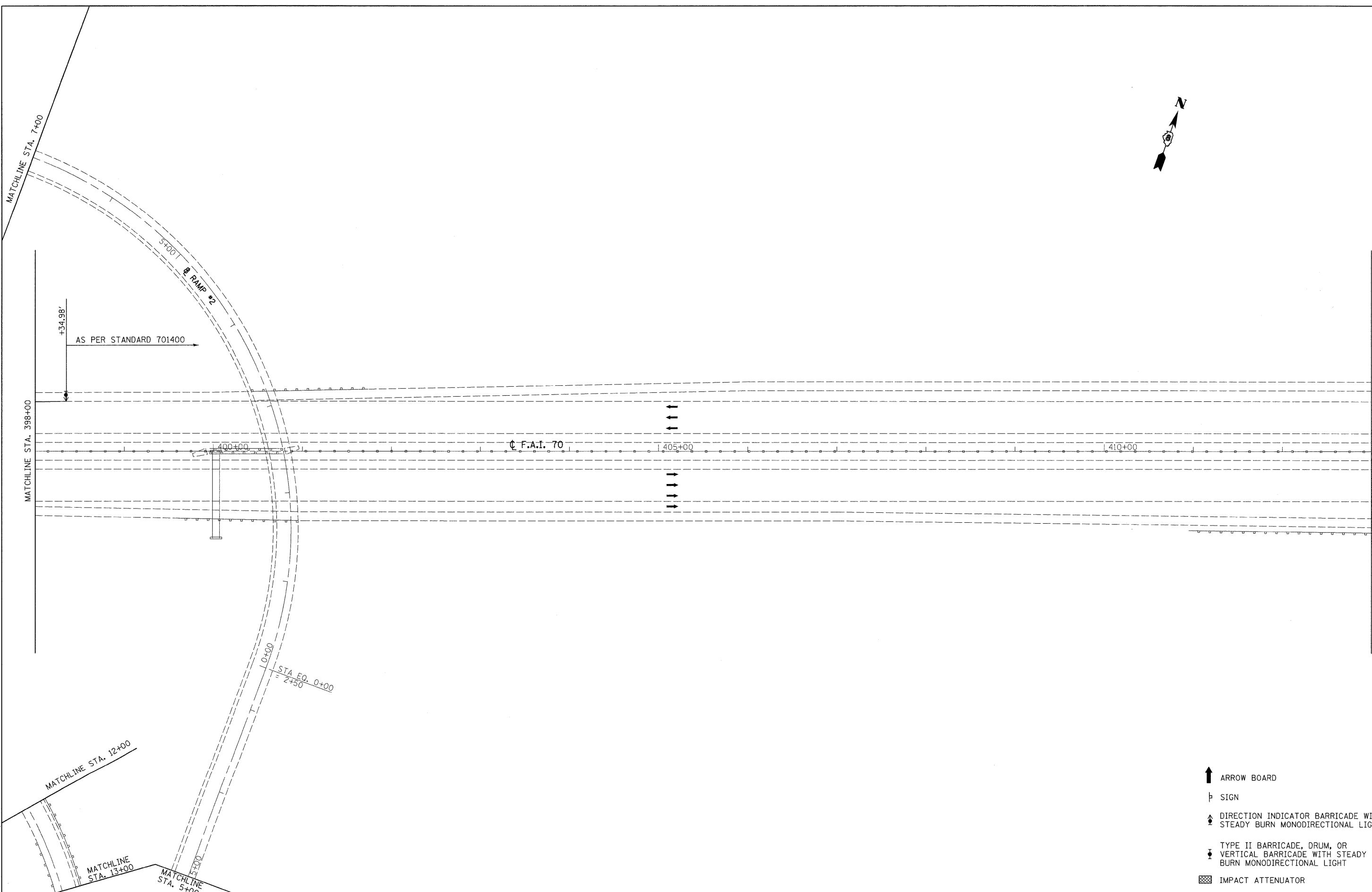
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
 I-55/70 STRUCTURES OVER CANTEEN CREEK  
 STAGE II

SCALE: 1" = 50'      SHEET NO. 3 OF 4 SHEETS      STA. 383+00 TO STA. 398+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	47
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	



LAST SAVED = 9/11/2009  
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- ↑ ARROW BOARD
- ⊥ SIGN
- ↕ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

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

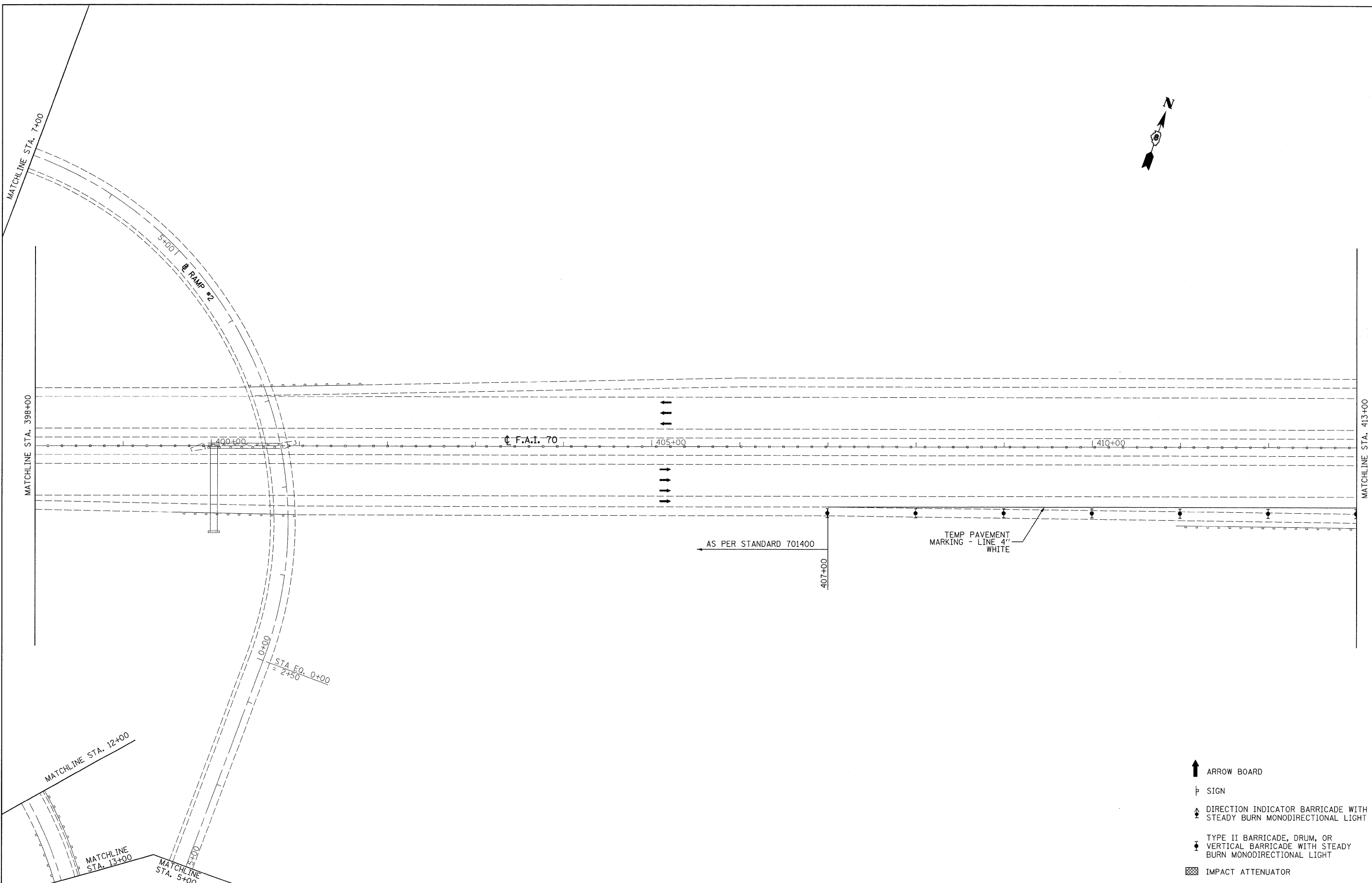


**STAGE CONSTRUCTION DETAILS**  
I-55/70 STRUCTURES OVER CANTEEN CREEK  
STAGE II

SCALE: 1" = 50'    SHEET NO. 4 OF 4 SHEETS    STA. 398+00    TO STA. 413+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	48
<b>CONTRACT NO. 76C56</b>				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				





- ↑ ARROW BOARD
- ⊥ SIGN
- ⚡ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⚡ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
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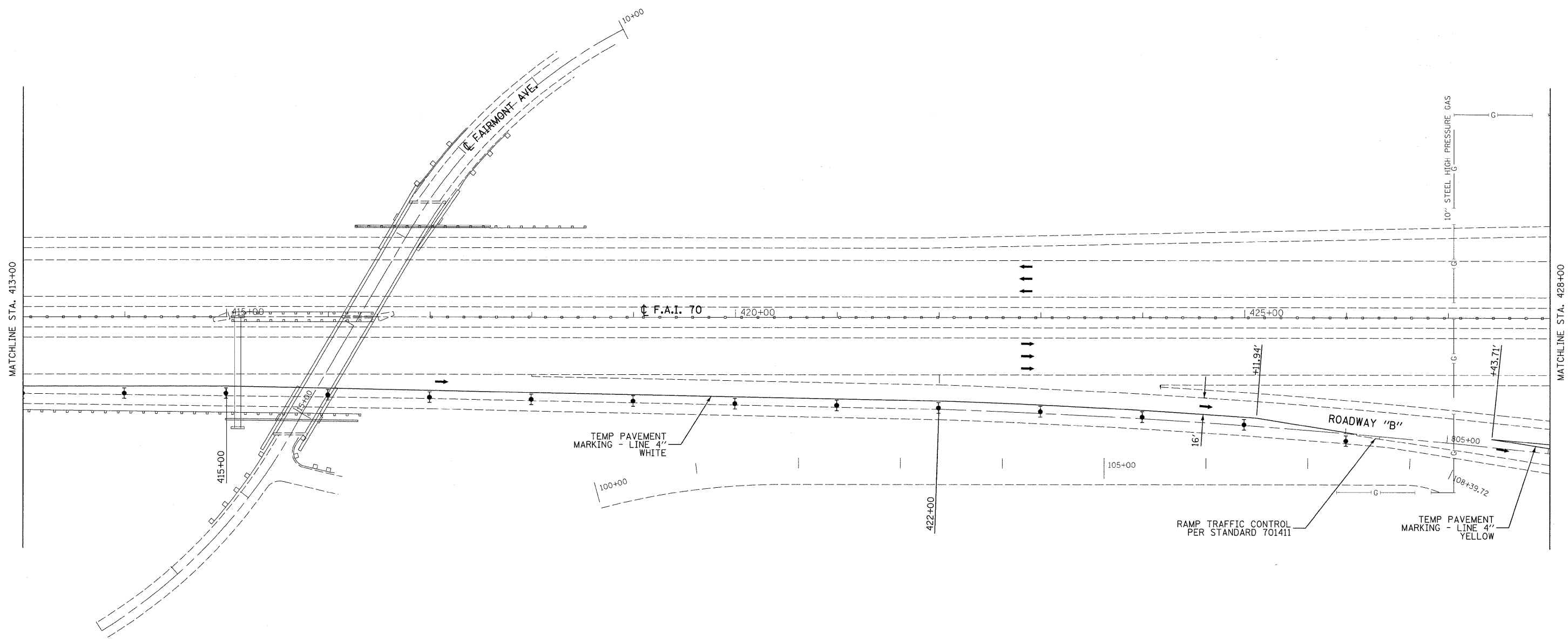
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
I-255 RAMP STRUCTURES OVER I-55/70  
STAGE I

SCALE: 1" = 50'      SHEET NO. 1 OF 6 SHEETS      STA. 398+00 TO STA. 413+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	49
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	



- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
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FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
1:\08090\work_order_3\cod\t\plans\087656-Sht-Staging-I-255Ramps-Stage1-02.dgn		DRAWN -	REVISED -
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PLOT DATE = 9/16/2009 8:52:37 PM		DATE -	REVISED -

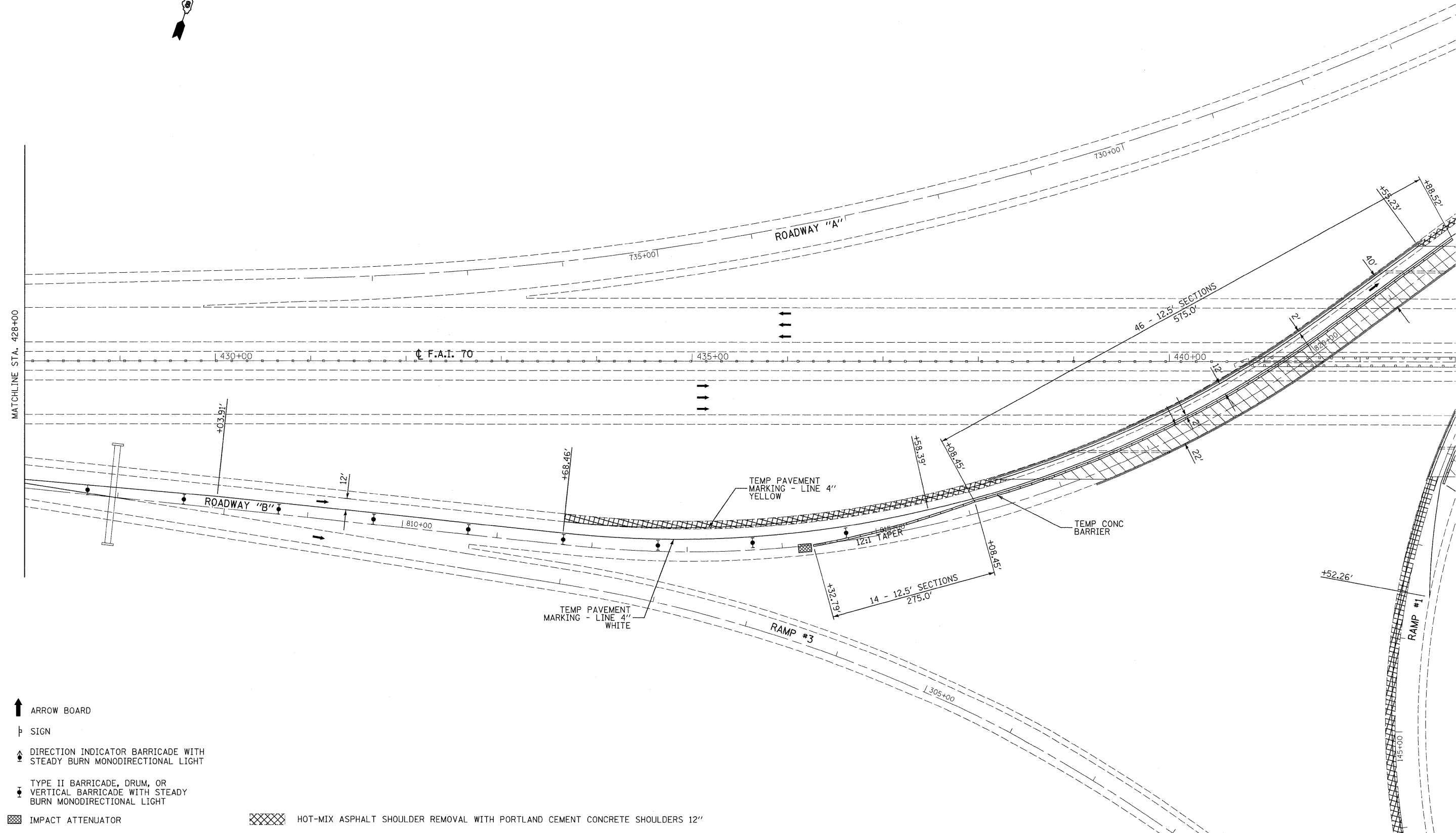
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
 I-255 RAMP STRUCTURES OVER I-55/70  
 STAGE 1

SCALE: 1" = 50'      SHEET NO. 2 OF 6 SHEETS      STA. 413+00 TO STA. 428+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	50
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	



- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ IMPACT ATTENUATOR
- ▩ HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

LAST SAVED = 9/11/2009  
 PEN TABLE = 08.tbl  
 PLOT DRIVER = TP-Verso6204-TorFile.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
1:\08090\work_order_3\cad\t\plans\0876996-Sht-Staging-I-255Ramps-StageI-03.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0023 / IN.		CHECKED -	REVISED -
PLOT DATE = 9/16/2009 8:52:39 PM		DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
 I-255 RAMP STRUCTURES OVER I-55/70  
 STAGE I

SCALE: 1" = 50'    SHEET NO. 3 OF 6 SHEETS    STA. 428+00 TO STA. 443+00

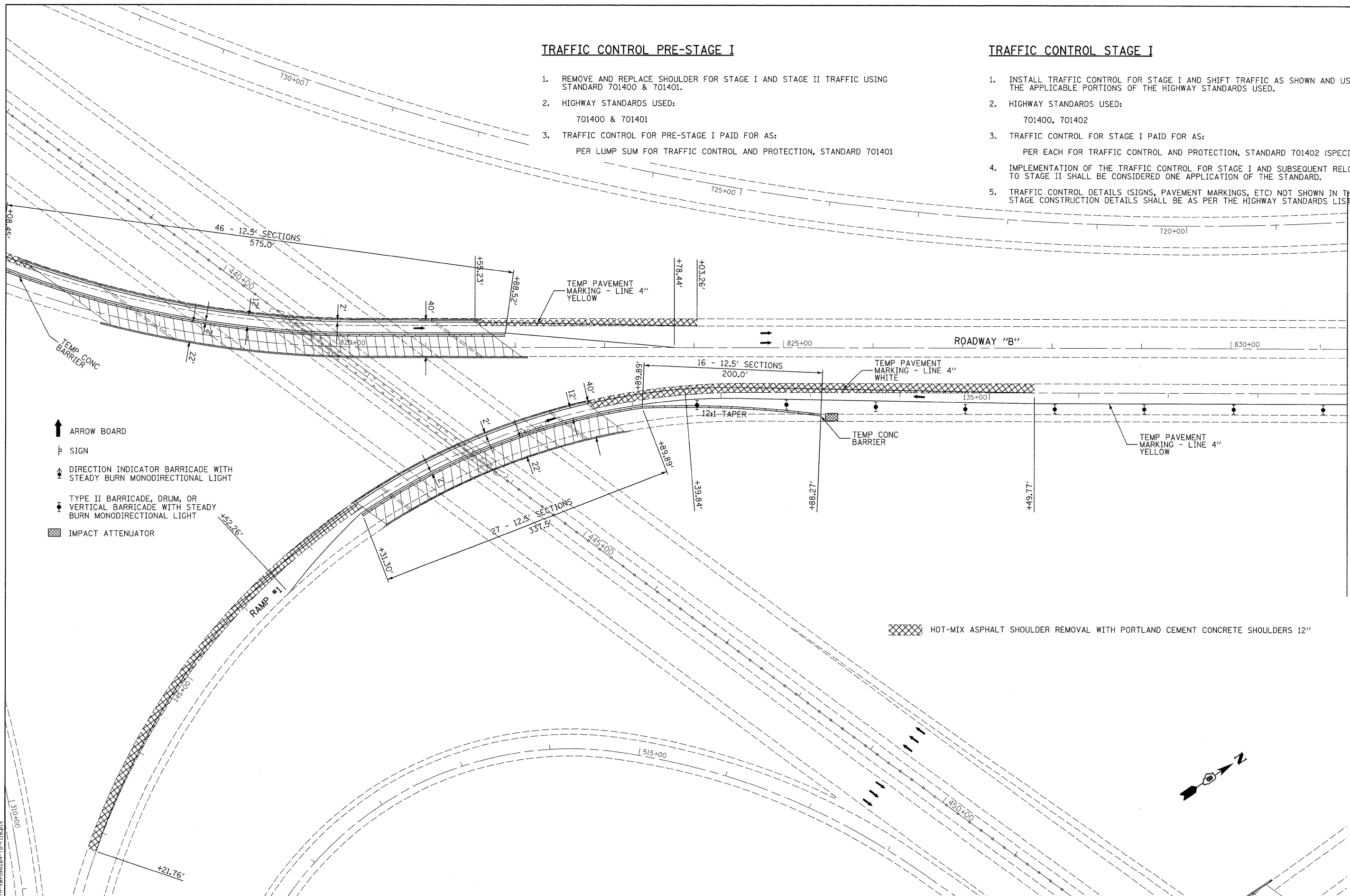
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	51
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	

**TRAFFIC CONTROL PRE-STAGE I**

1. REMOVE AND REPLACE SHOULDER FOR STAGE I AND STAGE II TRAFFIC USING STANDARD 701400 & 701401.
2. HIGHWAY STANDARDS USED:  
701400 & 701401
3. TRAFFIC CONTROL FOR PRE-STAGE I PAID FOR AS:  
PER LUMP SUM FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701401

**TRAFFIC CONTROL STAGE I**

1. INSTALL TRAFFIC CONTROL FOR STAGE I AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:  
701400, 701402
3. TRAFFIC CONTROL FOR STAGE I PAID FOR AS:  
PER EACH FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)
4. IMPLEMENTATION OF THE TRAFFIC CONTROL FOR STAGE I AND SUBSEQUENT RELOCATION TO STAGE II SHALL BE CONSIDERED ONE APPLICATION OF THE STANDARD.
5. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN #2.



- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

▣ HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HORNER &  
SHIRIN, INC.  
ENGINEERS**

**STAGE CONSTRUCTION DETAILS**  
I-255 RAMP STRUCTURES OVER I-55/70  
STAGE I

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	52
CONTRACT NO. 76C56				

SCALE: 1" = 50' SHEET NO. 4 OF 6 SHEETS STA. 443+00 TO STA. 129+00

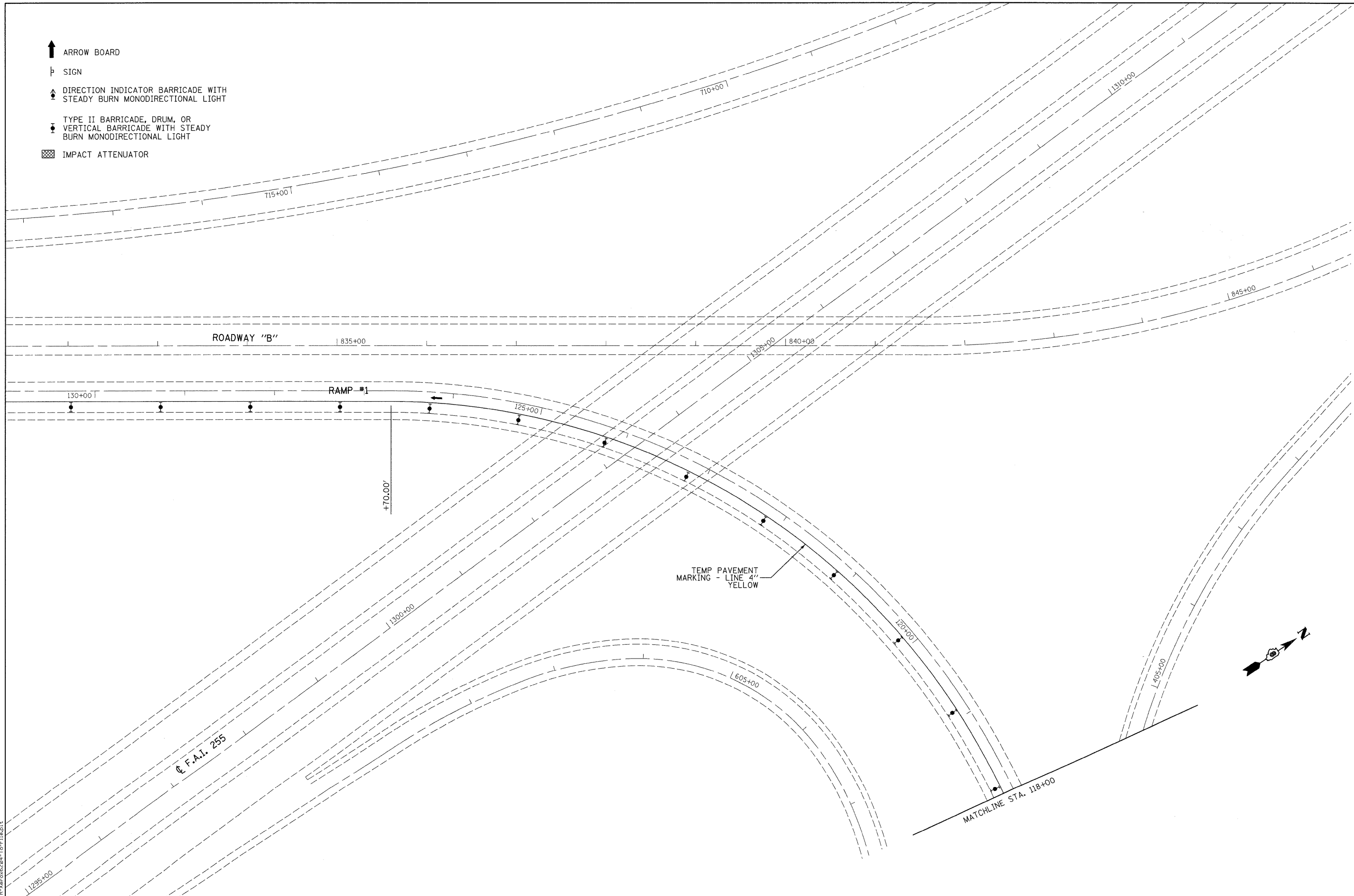
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

LAST SAVED = 9/11/2009  
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FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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PLOT DATE = 9/16/2009 8:52:42 PM		DATE -	REVISED -

- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

MATCHLINE STA. 131+00



LAST SAVED = 9/11/2009  
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 PLOT DRIVER = IR-Xerox6204-TopFit.plt

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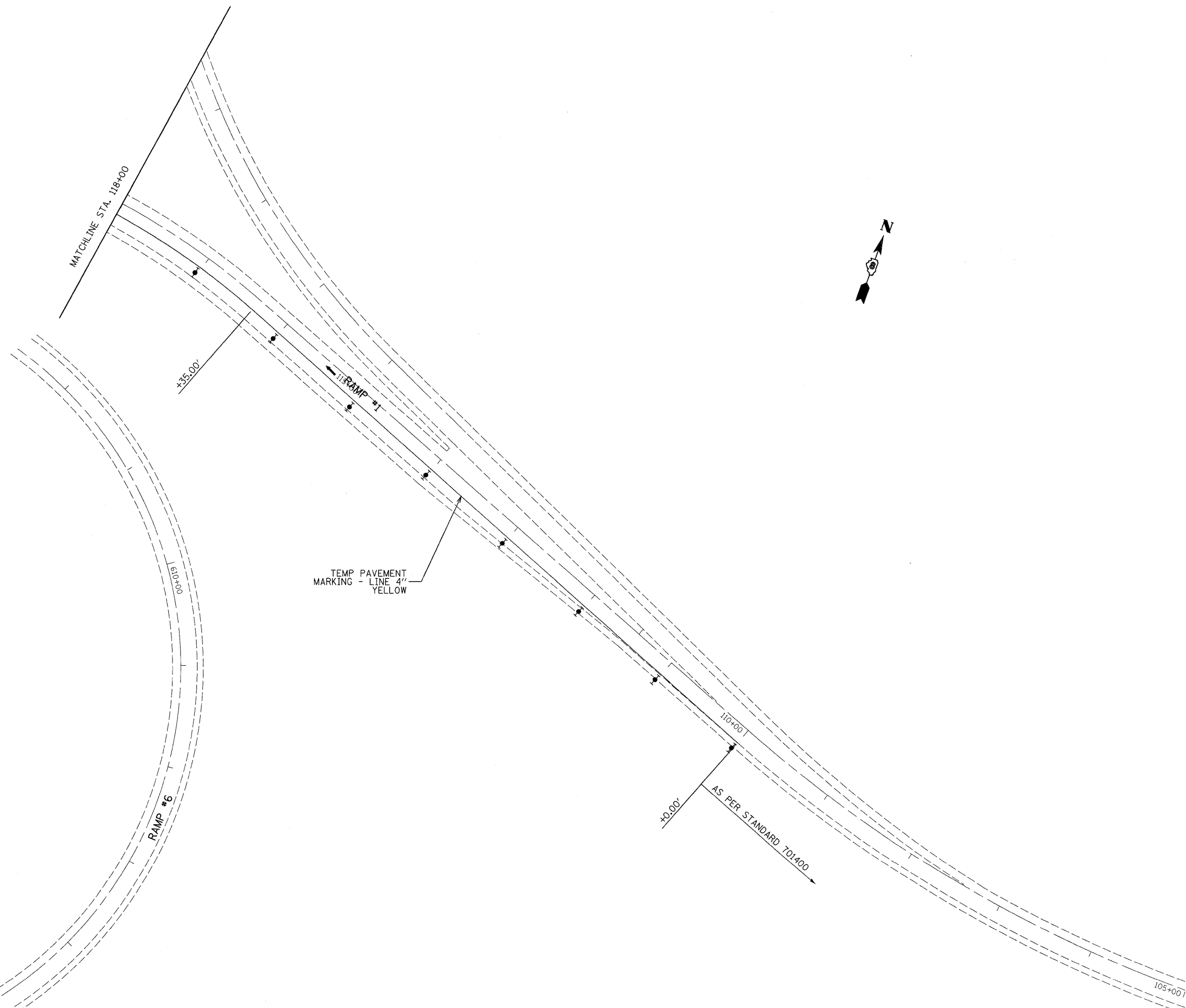
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HORNER &  
SHIFRIN, INC.**  
ENGINEERS

**STAGE CONSTRUCTION DETAILS**  
I-255 RAMP STRUCTURES OVER I-55/70  
STAGE I

SCALE: 1" = 50' SHEET NO. 5 OF 6 SHEETS STA. 129+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	53
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
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 PLOT DRIVER = TR-Xerox6204-1-5-F1.plt

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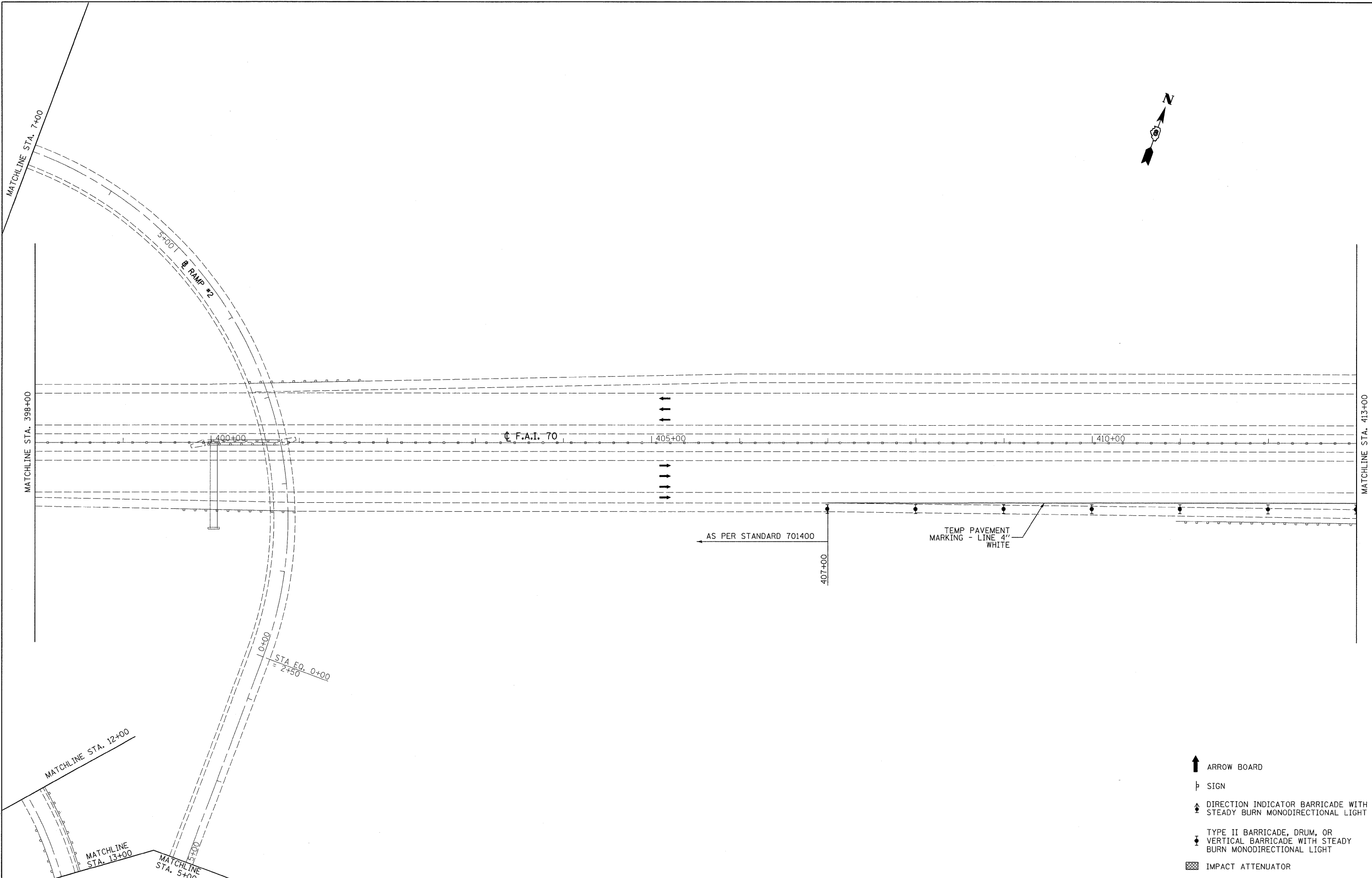
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HORNER & SHIRIN, INC.  
ENGINEERS**

**STAGE CONSTRUCTION DETAILS**  
I-255 RAMP STRUCTURES OVER I-55/70  
STAGE I

SCALE: 1" = 50'     SHEET NO. 6 OF 6 SHEETS     STA. 458+00 TO STA. 473+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	54
CONTRACT NO. 76C56				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- ↑ ARROW BOARD
- ⊥ SIGN
- ⚡ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⚡ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
 PEN TABLE = VB.tbl  
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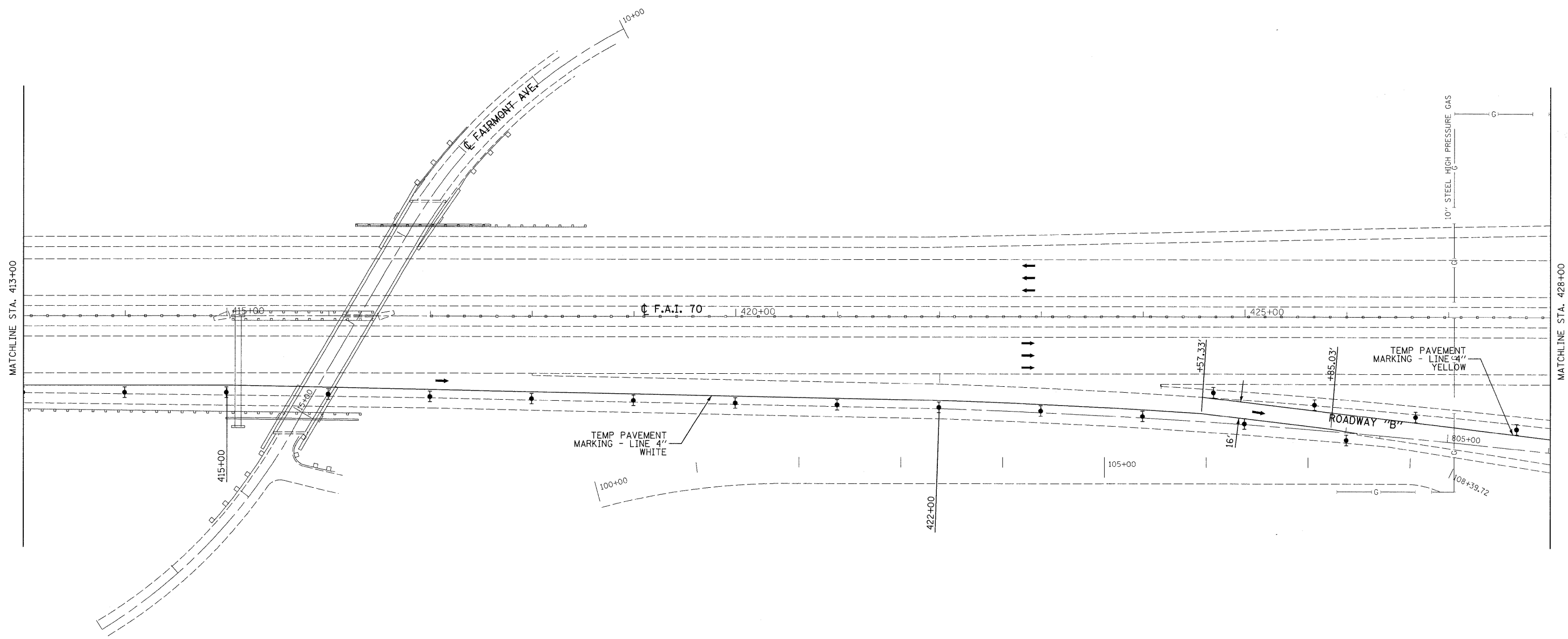
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
 I-255 RAMP STRUCTURES OVER I-55/70  
 STAGE II

SCALE: 1" = 50'      SHEET NO. 1 OF 6 SHEETS      STA. 398+00 TO STA. 413+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	55
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
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		DATE -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

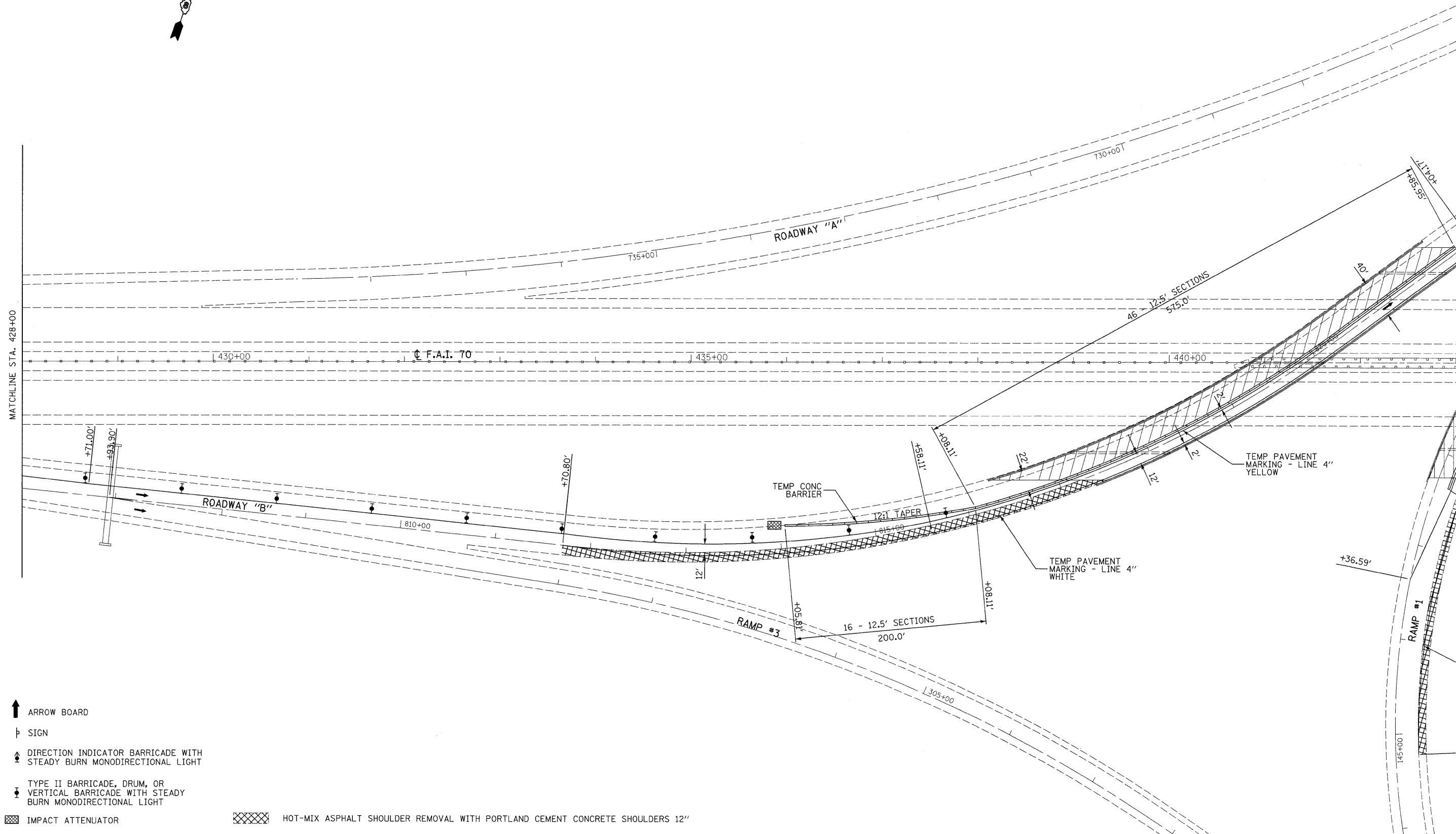


**STAGE CONSTRUCTION DETAILS**  
I-255 RAMP STRUCTURES OVER I-55/70  
STAGE II

SCALE: 1" = 50'    SHEET NO. 2 OF 6 SHEETS    STA. 413+00 TO STA. 428+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	56
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





- ↑ ARROW BOARD
- ⊥ SIGN
- ↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ↓ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ IMPACT ATTENUATOR
- ▨ HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

LAST SAVED = 9/11/2009  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



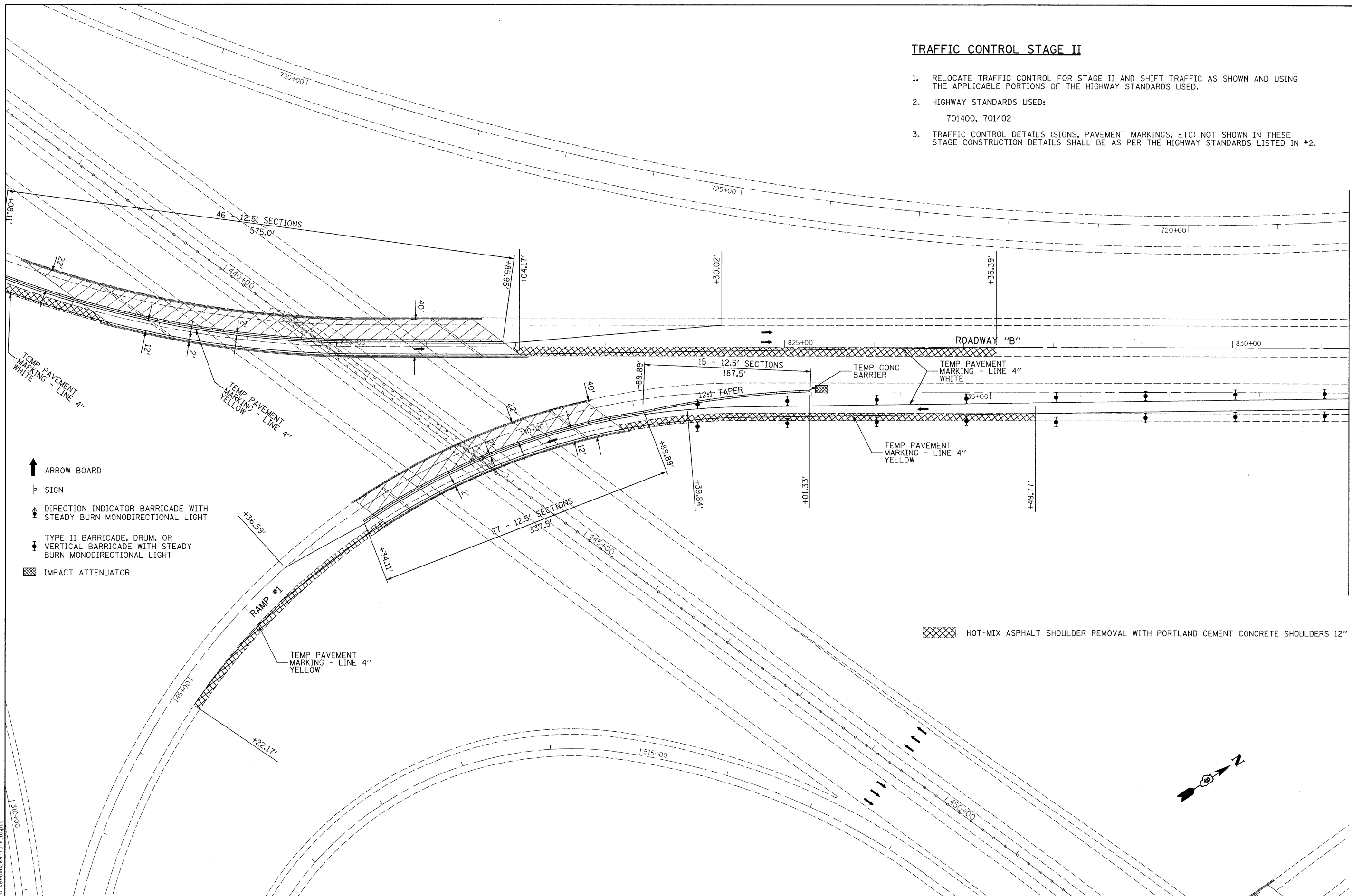
**STAGE CONSTRUCTION DETAILS  
I-255 RAMP STRUCTURES OVER I-55/70  
STAGE II**

SCALE: 1" = 50'      SHEET NO. 3 OF 6 SHEETS      STA. 428+00 TO STA. 443+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	57
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**TRAFFIC CONTROL STAGE II**

1. RELOCATE TRAFFIC CONTROL FOR STAGE II AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:  
701400, 701402
3. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN #2.



- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

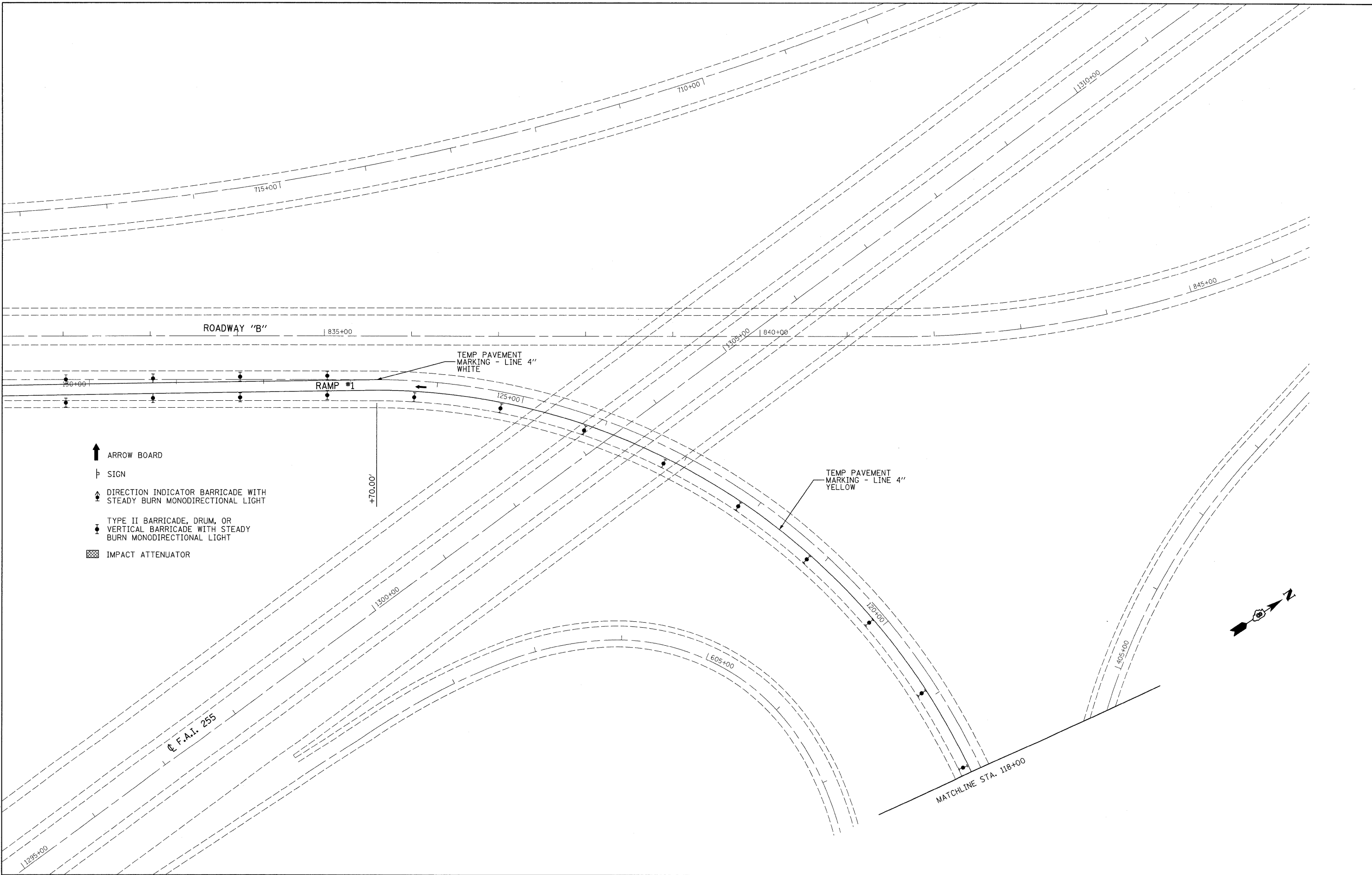
▣ HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

LAST SAVED = 9/11/2009  
 PEN TABLE = VB.tb1  
 PLOT DRIVER = TR-Xerox6284-Top-F11plot

FILE NAME = i:\08090\work_order_3\cad\t\plans\087656-Sht-Staging-I-255Ramps-StageII-04.dgn	USER NAME = sdonehue	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HORNER &amp; SHIFRIN, INC. ENGINEERS</b>	<b>STAGE CONSTRUCTION DETAILS</b> I-255 RAMP STRUCTURES OVER I-55/70 STAGE II	F.A.I. RTE. TO	SECTION 60-(5,6,7)RS, 60-(6,7)BR	COUNTY MADISON	TOTAL SHEETS 185	SHEET NO. 58
PLOT SCALE = 50.0023' / IN.	CHECKED -	REVISED -	CONTRACT NO. 76C56								
PLOT DATE = 9/16/2009 8:52:53 PM	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
							SCALE: 1" = 50' SHEET NO. 4 OF 6 SHEETS STA. 443+00 TO STA. 129+00				

MATCHLINE STA. 131+00

LAST SAVED = 9/11/2009  
 PEN TABLE = VB.tbl  
 PLOT DRIVER = TR-Xerox6294-TopFile.plt



- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

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

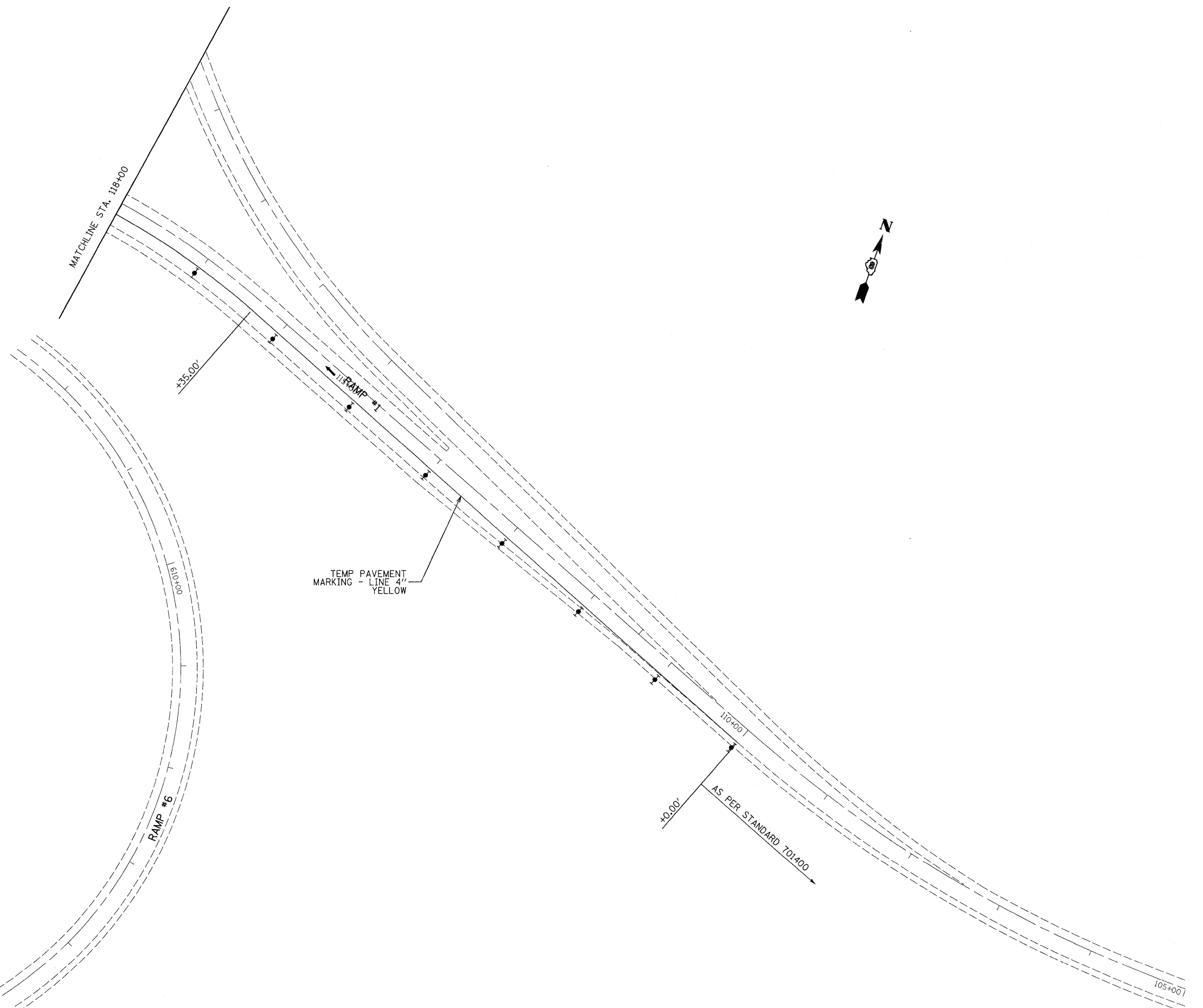
**HORNER &  
 SHIRIN, INC.**  
 ENGINEERS

**STAGE CONSTRUCTION DETAILS**  
 I-255 RAMP STRUCTURES OVER I-55/70  
 STAGE II

SCALE: 1" = 50' SHEET NO. 5 OF 6 SHEETS STA. 129+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	59
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	

- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR



LAST SAVED = 9/11/2009  
 PEN TABLE = VB.tbl  
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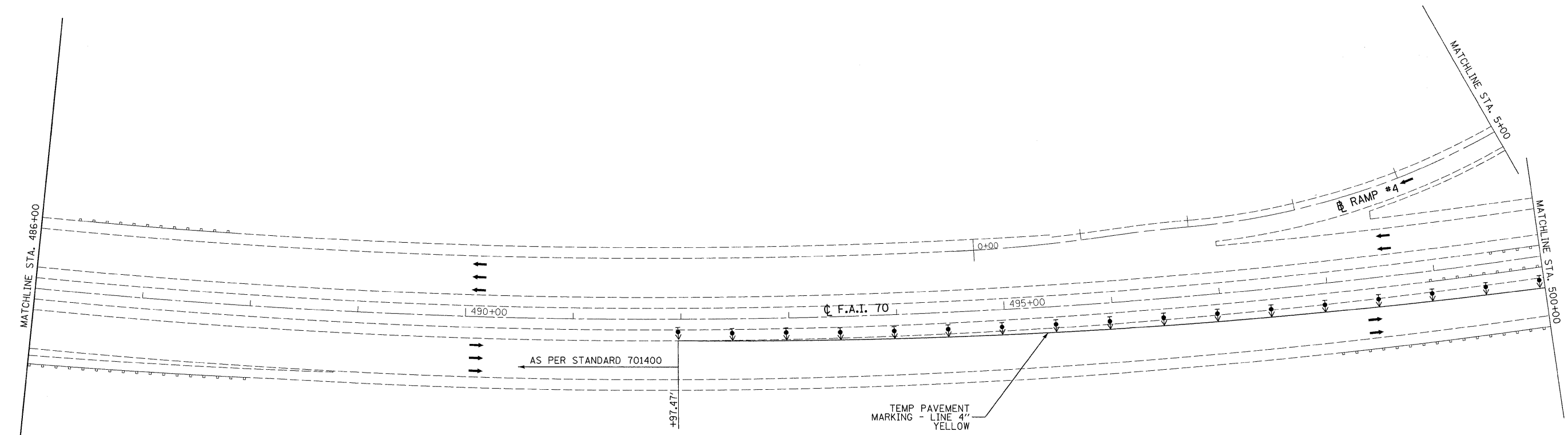
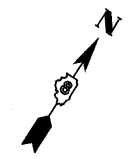
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
I-255 RAMP STRUCTURES OVER I-55/70  
STAGE II

SCALE: 1" = 50'    SHEET NO. 6 OF 6 SHEETS    STA. 458+00 TO STA. 473+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	60
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	



- ↑ ARROW BOARD
- ┆ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

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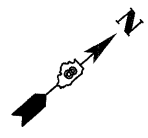
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



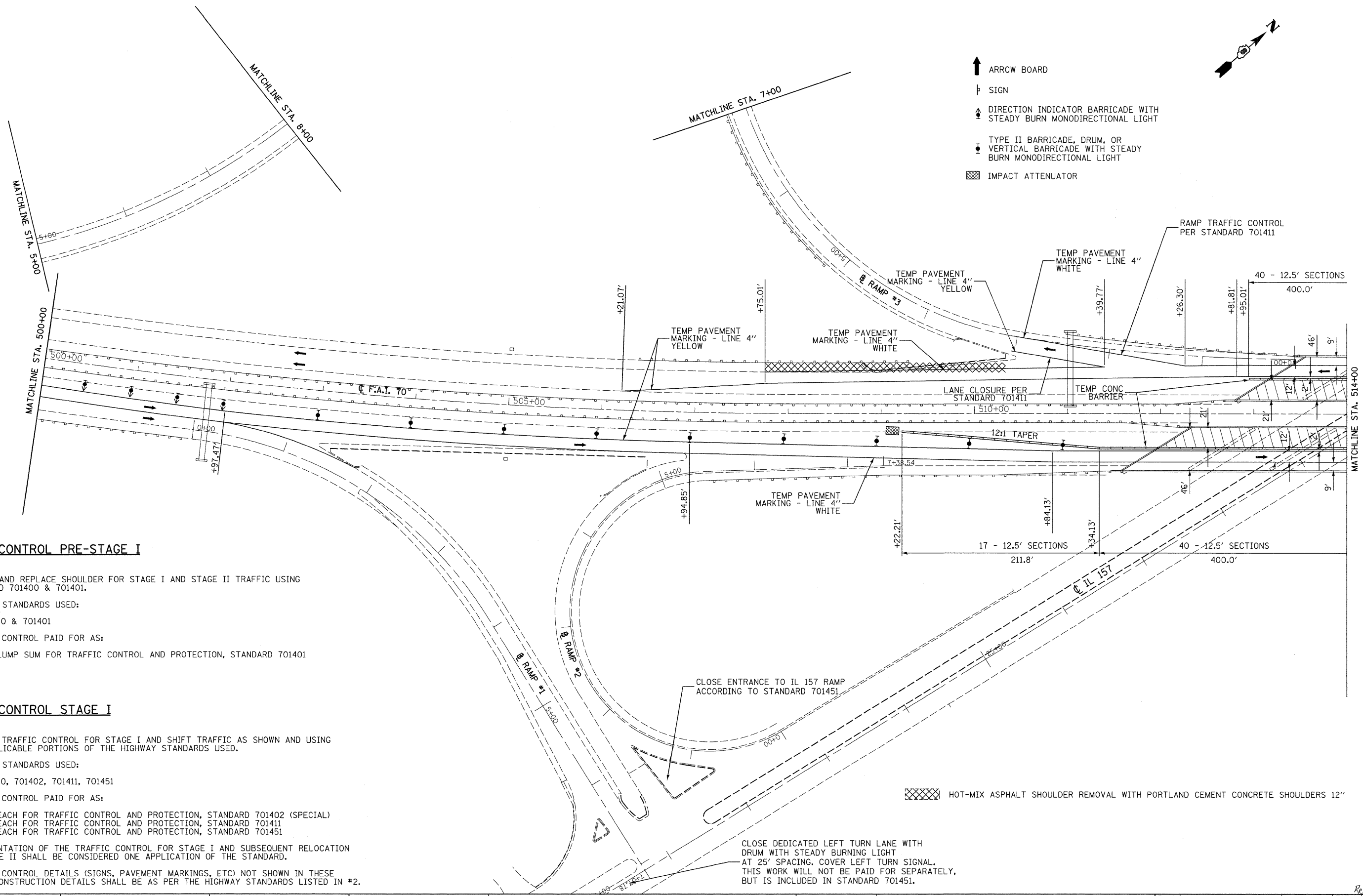
**STAGE CONSTRUCTION DETAILS**  
 I-55/70 STRUCTURES OVER IL 157 & BELT LINE ROAD  
 STAGE I

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	61
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76C56				

SCALE: 1" = 50'    SHEET NO. 1 OF 6 SHEETS    STA. 486+00 TO STA. 500+00



- ARROW BOARD
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- IMPACT ATTENUATOR



**TRAFFIC CONTROL PRE-STAGE I**

1. REMOVE AND REPLACE SHOULDER FOR STAGE I AND STAGE II TRAFFIC USING STANDARD 701400 & 701401.
2. HIGHWAY STANDARDS USED:  
701400 & 701401
3. TRAFFIC CONTROL PAID FOR AS:  
PER LUMP SUM FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701401

**TRAFFIC CONTROL STAGE I**

1. INSTALL TRAFFIC CONTROL FOR STAGE I AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:  
701400, 701402, 701411, 701451
3. TRAFFIC CONTROL PAID FOR AS:  
PER EACH FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)  
PER EACH FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701411  
PER EACH FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701451
4. IMPLEMENTATION OF THE TRAFFIC CONTROL FOR STAGE I AND SUBSEQUENT RELOCATION TO STAGE II SHALL BE CONSIDERED ONE APPLICATION OF THE STANDARD.
5. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN #2.

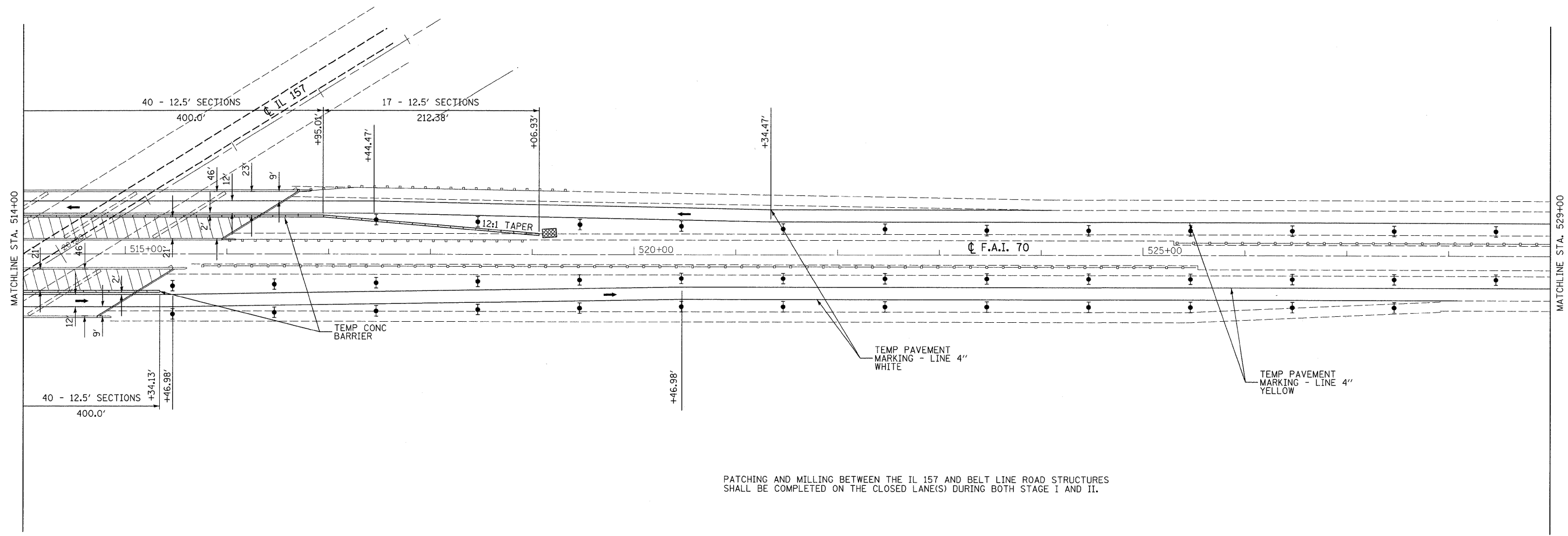
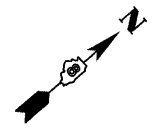
CLOSE ENTRANCE TO IL 157 RAMP ACCORDING TO STANDARD 701451

CLOSE DEDICATED LEFT TURN LANE WITH DRUM WITH STEADY BURNING LIGHT AT 25' SPACING. COVER LEFT TURN SIGNAL. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT IS INCLUDED IN STANDARD 701451.

HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

LAST SAVED = 9/11/2009  
 PEN TABLE = VB.tbl  
 PLOT DRIVER = TR-Xerox6204-Tp-Flt.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	 <b>HORNER &amp; SHIFRIN, INC.</b> <b>ENGINEERS</b>	<b>STAGE CONSTRUCTION DETAILS</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
i:\08090\work_order\3\cad\t\plans\0876256-Sht-Staging-IL157-BeltLine-Stage1-02.dgn						DRAWN -	REVISED -	I-55/70 STRUCTURES OVER IL 157 & BELT LINE ROAD		70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	62
PLOT SCALE = 50.0023' / IN.						CHECKED -	REVISED -	STAGE I		CONTRACT NO. 76C56				
PLOT DATE = 9/16/2009 8:53:01 PM						DATE -	REVISED -	SCALE: 1" = 50'		SHEET NO. 2 OF 6 SHEETS		STA. 500+00 TO STA. 514+00		
												FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



PATCHING AND MILLING BETWEEN THE IL 157 AND BELT LINE ROAD STRUCTURES SHALL BE COMPLETED ON THE CLOSED LANE(S) DURING BOTH STAGE I AND II.

- ↑ ARROW BOARD
- ┆ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
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FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
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PLOT DATE = 9/16/2009 8:53:03 PM		DATE -	REVISED -

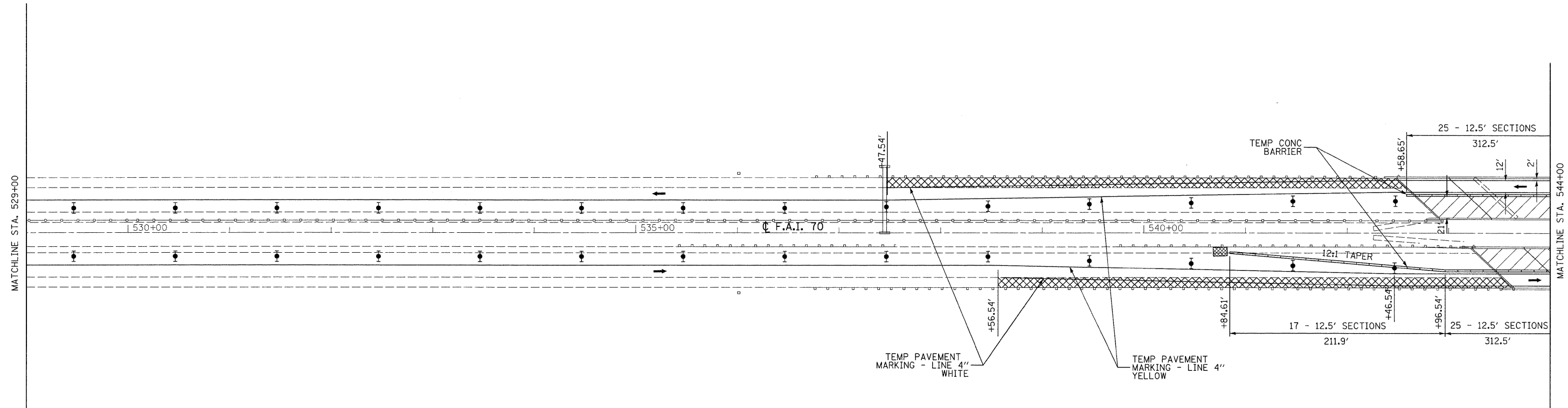
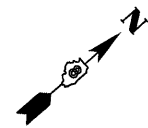
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
I-55/70 STRUCTURES OVER IL 157 & BELT LINE ROAD  
STAGE I

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	63
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	

SCALE: 1" = 50'    SHEET NO. 3 OF 6 SHEETS    STA. 514+00 TO STA. 529+00



↑ ARROW BOARD

⊥ SIGN

▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

▨ IMPACT ATTENUATOR

▨ HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

LAST SAVED = 9/11/2009  
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FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
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PLOT DATE = 9/16/2009 8:53:05 PM		DATE -	REVISED -

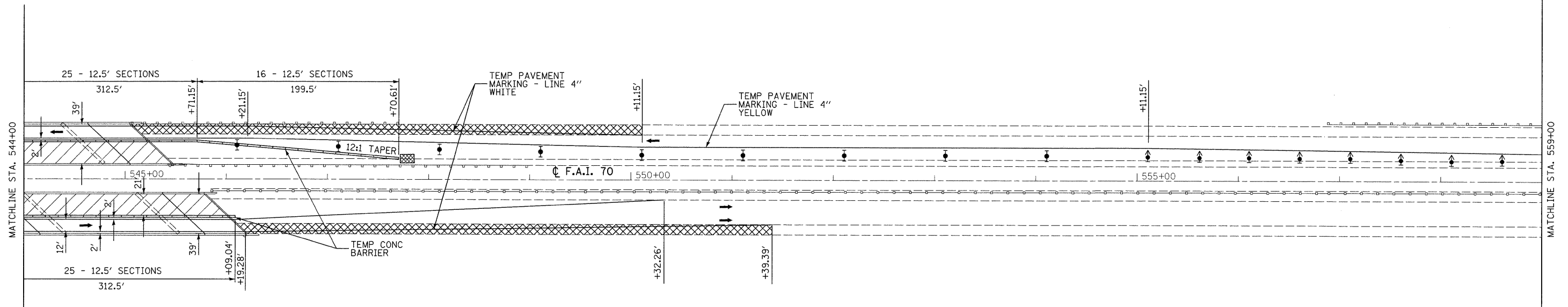
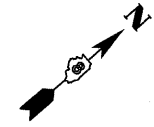
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**HORNER & SHIFRIN, INC.**  
**ENGINEERS**  
 SCALE: 1" = 50'

**STAGE CONSTRUCTION DETAILS**  
 I-55/70 STRUCTURES OVER IL 157 & BELT LINE ROAD  
 STAGE I  
 SHEET NO. 4 OF 6 SHEETS    STA. 529+00    TO STA. 544+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	64
CONTRACT NO. 76C56				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				





- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ IMPACT ATTENUATOR
- ▩ HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

LAST SAVED = 9/17/2009  
 PEN TABLE = VB.tbl  
 PLOT DRIVER = TRX6006204-Tp-Flt.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

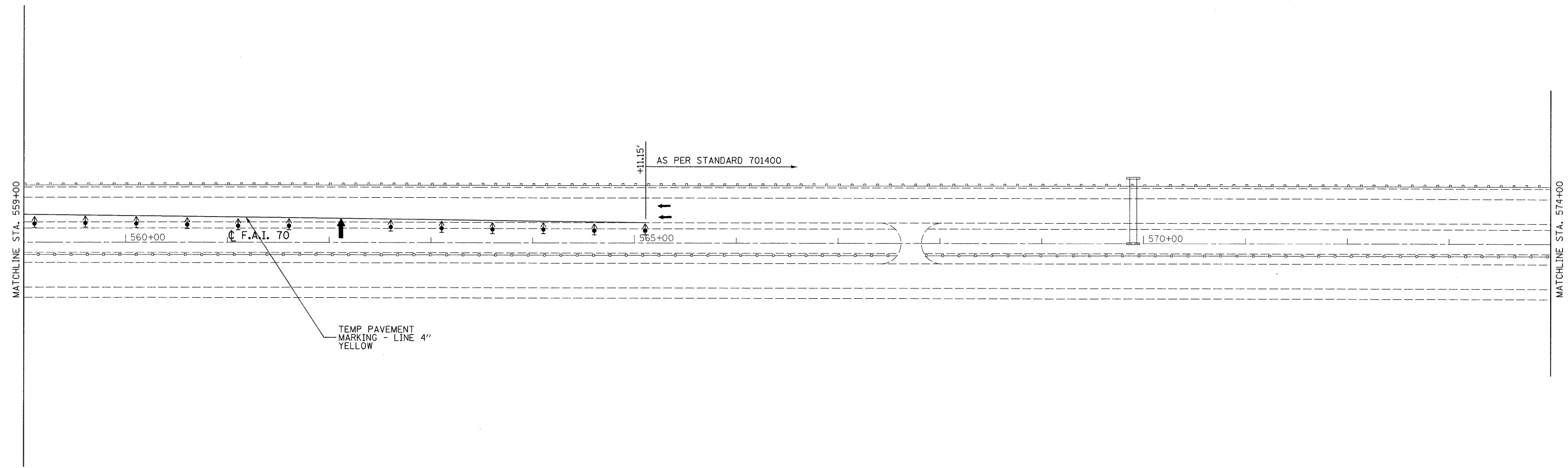
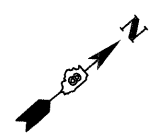


**STAGE CONSTRUCTION DETAILS**  
 I-55/70 STRUCTURES OVER IL 157 & BELT LINE ROAD  
 STAGE I

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	65
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 50'    SHEET NO. 5 OF 6 SHEETS    STA. 544+00    TO STA. 559+00

CONTRACT NO. 76C56



- ↑ ARROW BOARD
- ↓ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
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 PLOT DRIVER = TR-Xerox6204-Tp-Fil.plt

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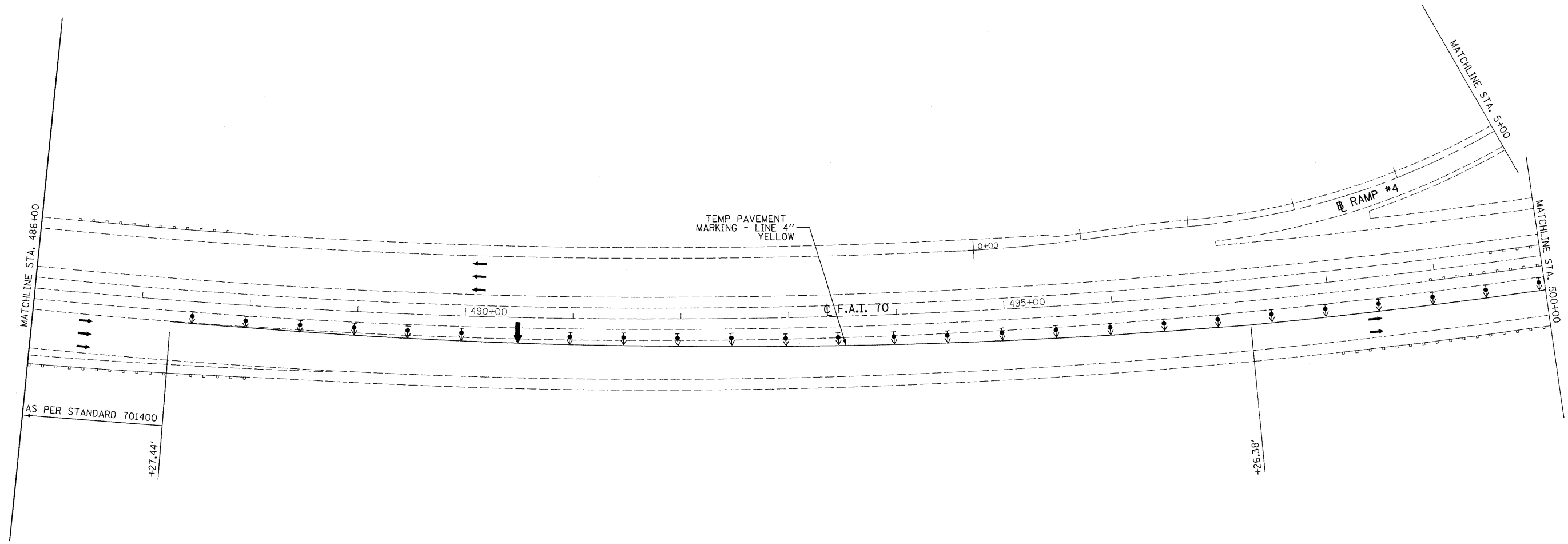
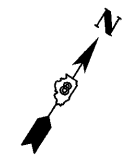
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
 I-55/70 STRUCTURES OVER IL 157 & BELT LINE ROAD  
 STAGE I

SCALE: 1" = 50'      SHEET NO. 6 OF 6 SHEETS      STA. 559+00 TO STA. 574+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	66
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	

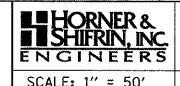


- ↑ ARROW BOARD
- ┆ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
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FILE NAME =	USER NAME = sdonehue	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
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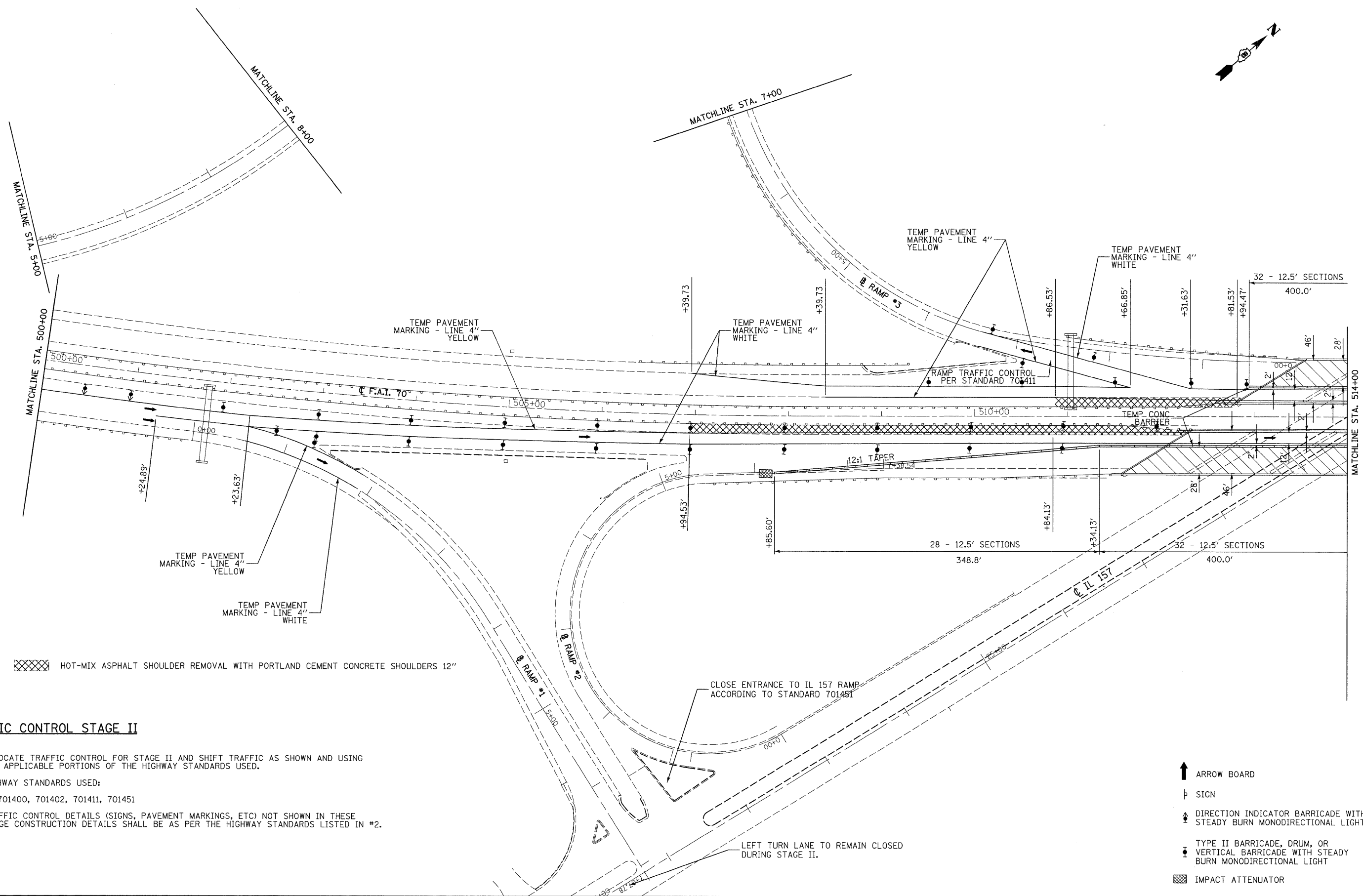
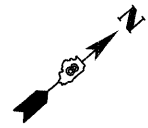
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
I-55/70 STRUCTURES OVER IL 157 & BELT LINE ROAD  
STAGE II

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	67
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50'    SHEET NO. 1 OF 6 SHEETS    STA. 486+00 TO STA. 500+00



XXXX HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

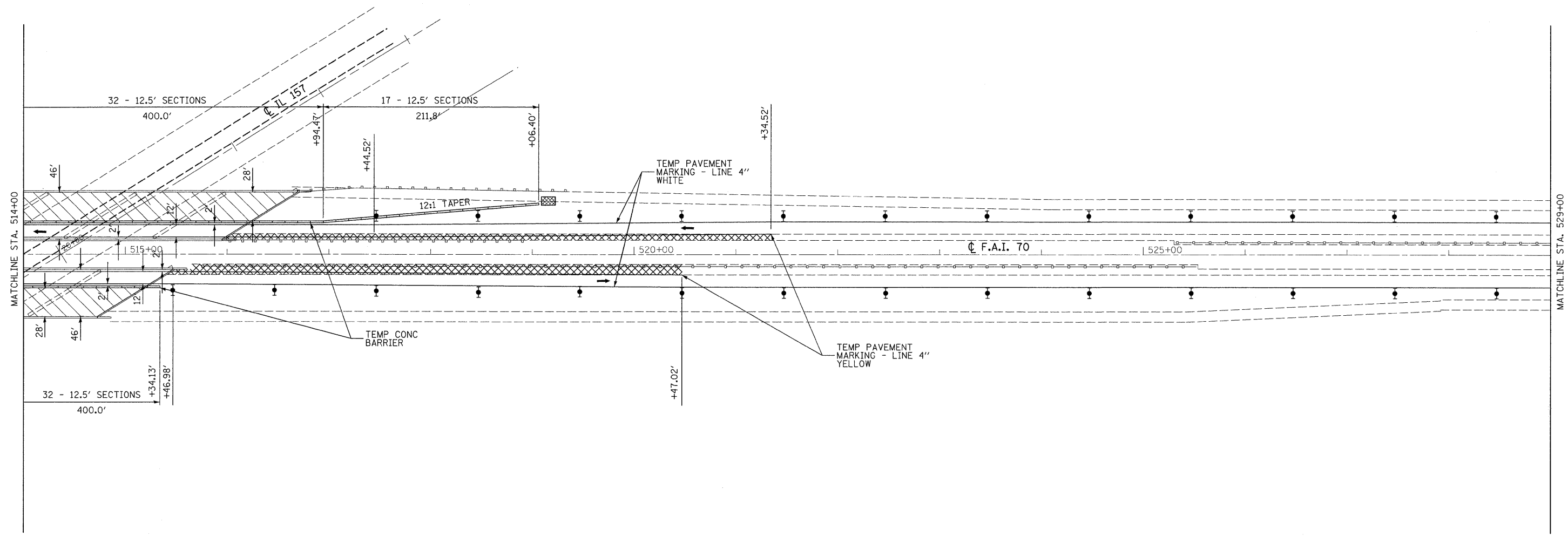
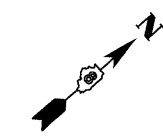
**TRAFFIC CONTROL STAGE II**

1. RELOCATE TRAFFIC CONTROL FOR STAGE II AND SHIFT TRAFFIC AS SHOWN AND USING THE APPLICABLE PORTIONS OF THE HIGHWAY STANDARDS USED.
2. HIGHWAY STANDARDS USED:  
701400, 701402, 701411, 701451
3. TRAFFIC CONTROL DETAILS (SIGNS, PAVEMENT MARKINGS, ETC) NOT SHOWN IN THESE STAGE CONSTRUCTION DETAILS SHALL BE AS PER THE HIGHWAY STANDARDS LISTED IN #2.

- ↑ ARROW BOARD
- ⊥ SIGN
- ↕ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- XXXX IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
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 PLOT DRIVER = TR-Xerox6204-TopFile.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>HORNER &amp; SHIFRIN, INC.</b> <b>ENGINEERS</b>	<b>STAGE CONSTRUCTION DETAILS</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1:\08090\work_order_3\cad\t\plans\087686-Sht-Staging-IL157-BeltLine-StageII-02.dgn		DRAWN -	REVISED -			70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	68		
PLOT SCALE = 50.0023' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76C56						
PLOT DATE = 9/16/2009 8:53:13 PM		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
				SCALE: 1" = 50'		SHEET NO. 2 OF 6 SHEETS		STA. 500+00 TO STA. 514+00				



HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

- ARROW BOARD
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
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		DATE -	REVISED -
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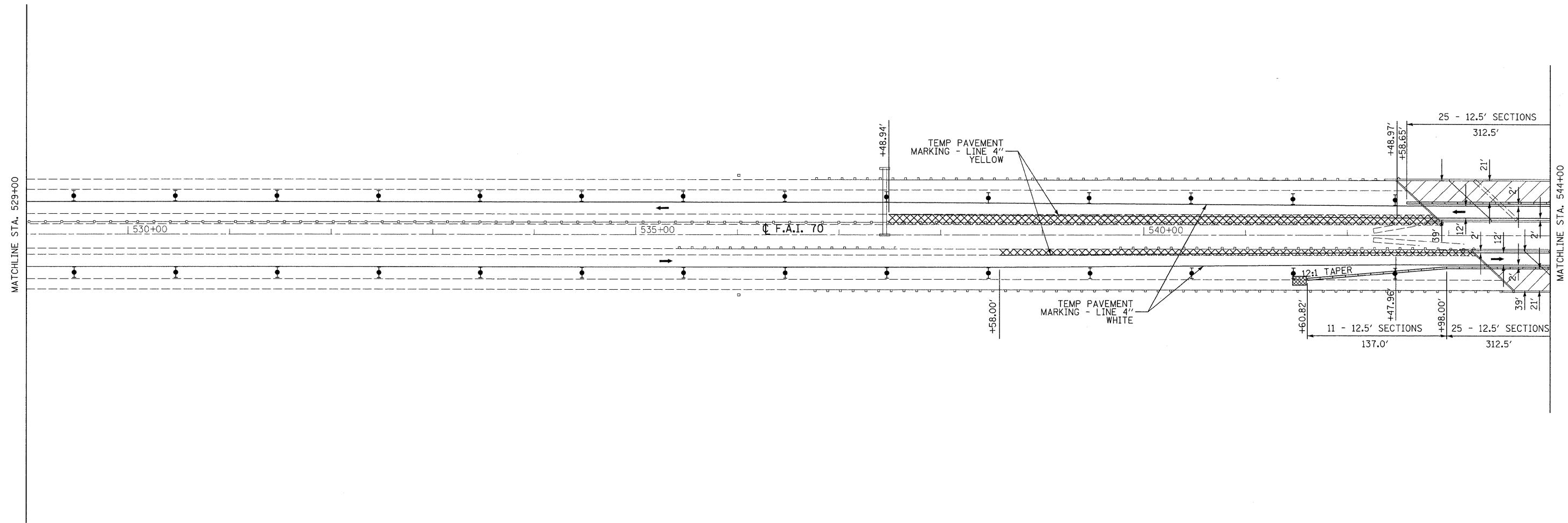
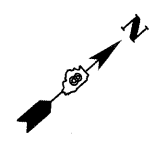
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
 I-55/70 STRUCTURES OVER IL 157 & BELT LINE ROAD  
 STAGE II

SCALE: 1" = 50'    SHEET NO. 3 OF 6 SHEETS    STA. 514+00 TO STA. 529+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	69
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	



- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ IMPACT ATTENUATOR

▨ HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

LAST SAVED = 9/11/2009  
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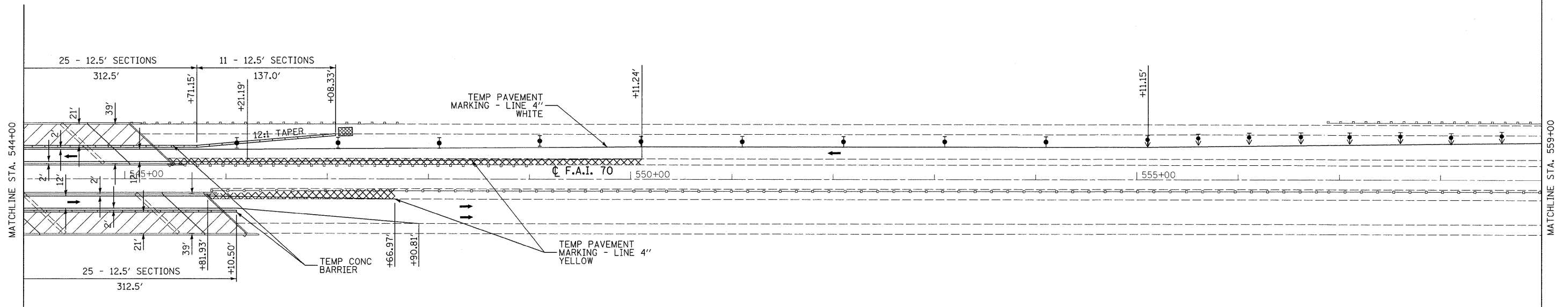
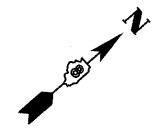
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
 I-55/70 STRUCTURES OVER IL 157 & BELT LINE ROAD  
 STAGE II

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	70
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76C56	

SCALE: 1" = 50'    SHEET NO. 4 OF 6 SHEETS    STA. 529+00 TO STA. 544+00



- ↑ ARROW BOARD
- ┆ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▼ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ IMPACT ATTENUATOR

▨ HOT-MIX ASPHALT SHOULDER REMOVAL WITH PORTLAND CEMENT CONCRETE SHOULDERS 12"

LAST SAVED = 9/17/2009  
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 PLOT DRIVER = TR>Xerox6204-TopFile.plt

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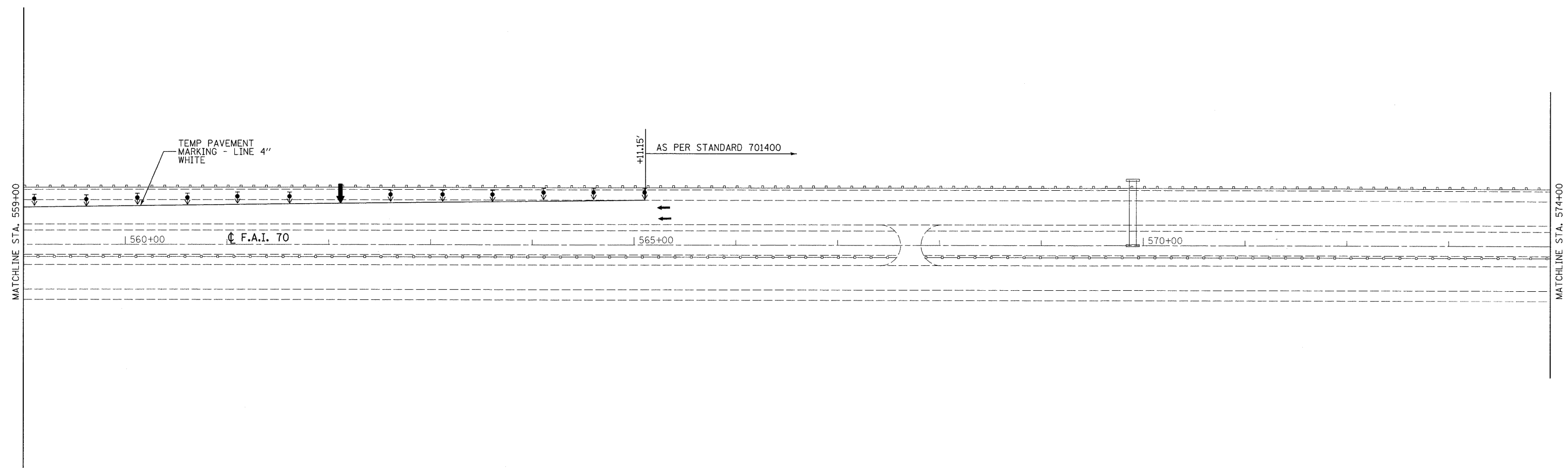
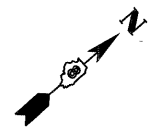
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
 I-55/70 STRUCTURES OVER IL 157 & BELT LINE ROAD  
 STAGE II

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	71
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76C56	

SCALE: 1" = 50'    SHEET NO. 5 OF 6 SHEETS    STA. 544+00 TO STA. 559+00



- ↑ ARROW BOARD
- ⊥ SIGN
- ▲ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⬇ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ IMPACT ATTENUATOR

LAST SAVED = 9/11/2009  
 PEN TABLE = VB.tbl  
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PLOT DATE = 9/16/2009 8:53:21 PM		DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**STAGE CONSTRUCTION DETAILS**  
 I-55/70 STRUCTURES OVER IL 157 & BELT LINE ROAD  
 STAGE II

SCALE: 1" = 50'    SHEET NO. 6 OF 6 SHEETS    STA. 559+00 TO STA. 574+00


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	72
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76C56				





**NOTES**


- ① DETOUR SIGNS REQUIRED WILL BE SUPPLIED TO THE CONTRACTOR BY I.D.O.T.
- ② THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE R.E./R.T. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- ③ THE CONTRACTOR SHALL GIVE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF OPERATIONS TWO WEEKS NOTICE FOR SIGNS. THE CONTRACTOR SHALL PICK UP THE SIGNS AT THE T.M. BUILDING IN FAIRVIEW HEIGHTS, AND RETURN THEM UPON COMPLETION OF THE CONTRACT. CONTACT JEAN SLAPE (618) 346-3289.
- ④ THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR DETOUR SIGNING AND NO OTHER COMPENSATION WILL BE ALLOWED.
- ⑤ SIGN SPACING WILL BE 400' OR TO FIT FIELD CONDITIONS.
- ⑥ THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL BE NOT LESS THAN 6'.
- ⑦ THE CONTRACTOR SHALL FURNISH ADVANCE WARNING SIGNS, ROAD CLOSURE SIGNS, MESSAGE BOARDS, AND TYPE 3 BARRICADES.
- ⑧ ALL ADVANCE WARNING SIGNS SHALL BE 48" FLOURESCENT ORANGE WITH FLASHING LIGHTS.

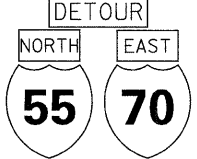
TO BE SUPPLIED BY IDOT


①  (3 Req'd) M6-1 (LEFT)(BL) 30"x18"


②  (1 Req'd) M6-1 (RIGHT)(BL) 30"x18"

③  (4 Req'd) M6-2 (RIGHT)(BL) 30"x18"

④  (3 Req'd) M6-3 (BL) 30"x18"


⑤  (14 Req'd)


⑥  (2 Req'd) M5-1 (RIGHT)(BL) 30"x18"

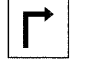
⑦  (1 Req'd) M5-1 (LEFT)(BL) 30"x18"


DETOUR = M4-8(F0) 30"x15"  
 NORTH = M3-1(BL) 30"x15"  
 EAST = M3-2(BL) 30"x15"  
 SHIELDS = M1-1 (1' OR 2' DIGITS) 36"x36"

TO BE SUPPLIED BY CONTRACTOR

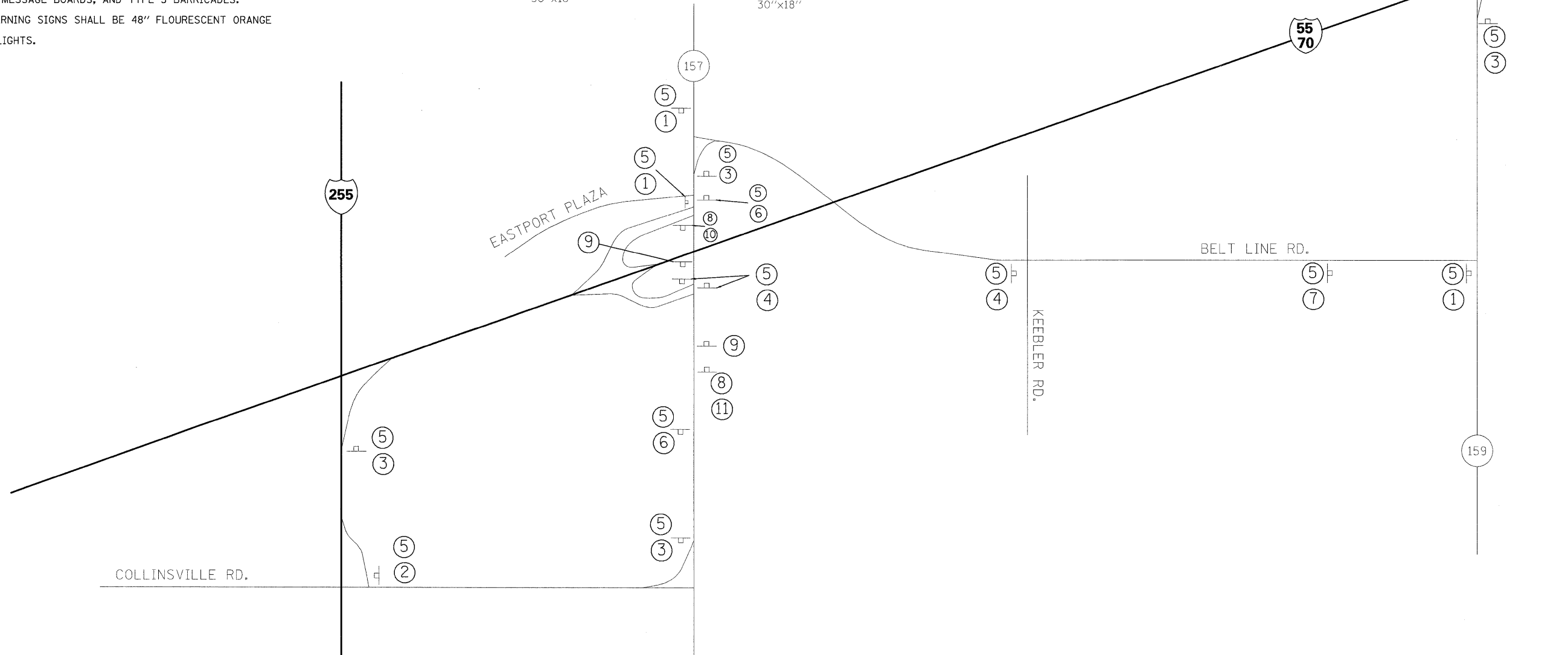
⑧  (2 Req'd) W21-4 (F0) 48"x48"

⑨  (2 Req'd) W20-2 (F0) 48"x48"

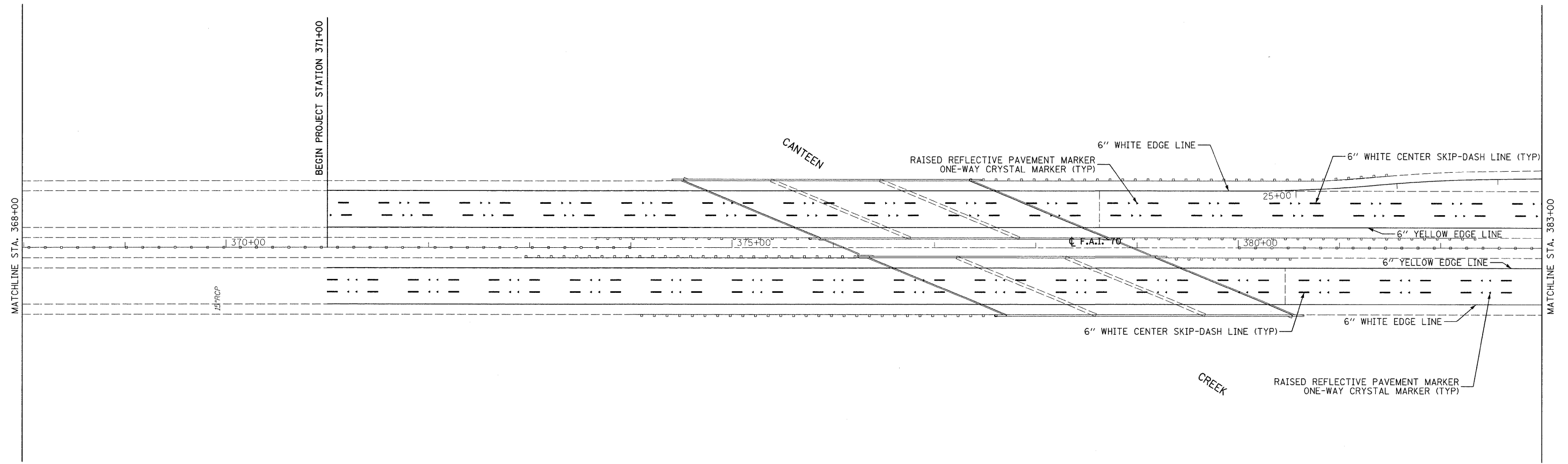
⑩  (1 Req'd) M5-1 (RIGHT)(F0) 30"x18"

⑪  (1 Req'd) M5-1 (LEFT)(F0) 30"x18"

CONTRACTOR SHALL ALSO SUPPLY ALL SIGNS REQUIRED BY STANDARD BLR 21.



FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETOUR PLAN</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\p\work\PWIDOT\CONOVERPJ\d8133026\d876e56-sht-plan.dgn	DRAWN -	REVISED -	70				60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	73	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. <b>76C56</b>								
PLOT DATE = 10/7/2009	DATE -	REVISED -	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT								
					SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____				



SEE SPECIAL DETAILS FOR ADDITIONAL  
PAVEMENT MARKING DETAILS

LAST SAVED = 9/11/2009  
 PEN TABLE = vb.tbl  
 PLOT DRIVER = JTR-Xerox6204-Te-File.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
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PLOT DATE = 9/16/2009 8:53:22 PM		DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



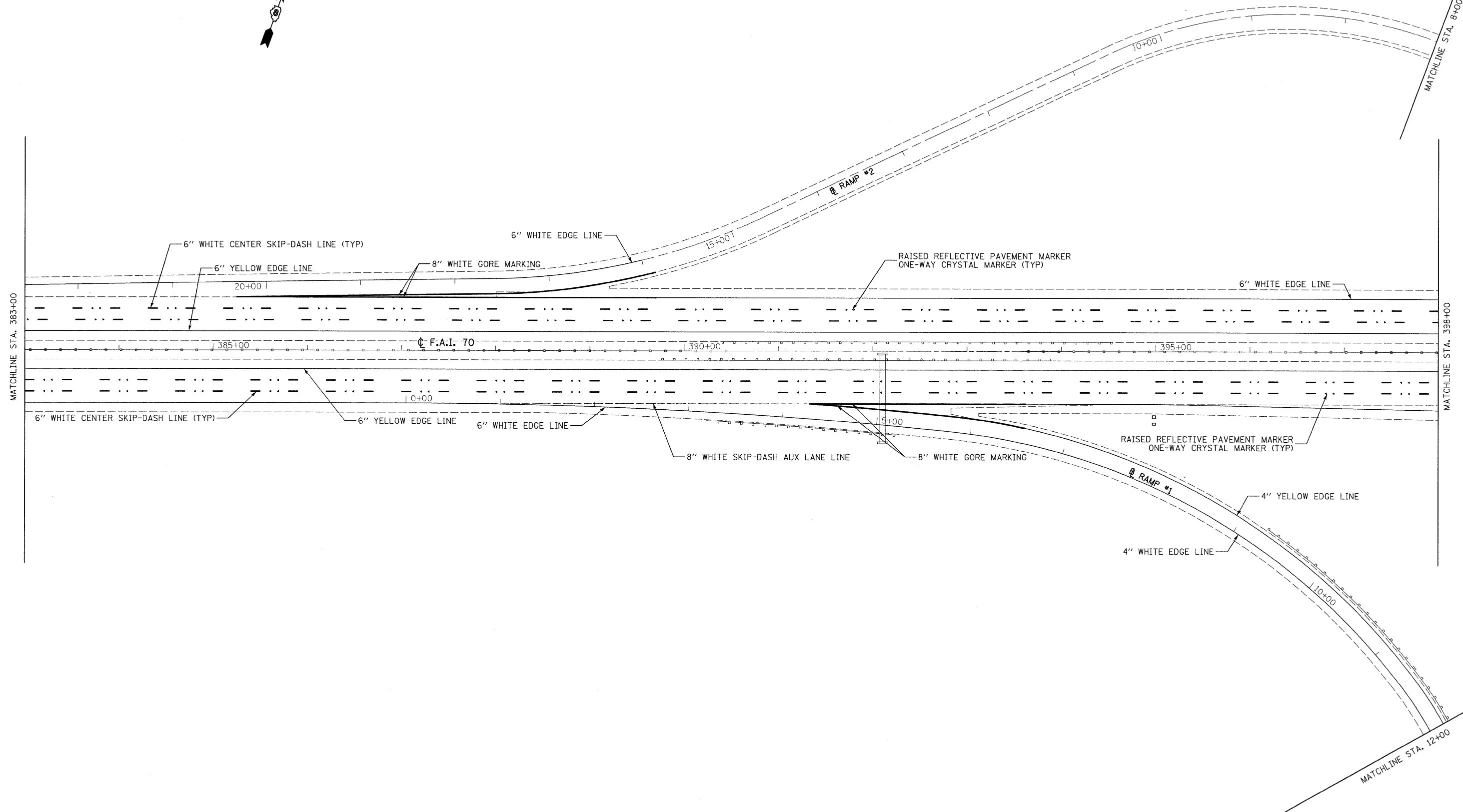
SCALE: 1" = 50'

**PAVEMENT MARKING DETAILS**

SHEET NO. 1 OF 16 SHEETS STA. 369+00 TO STA. 383+00

F.A.I. RTE. 70	SECTION 60-(5,6,7)RS, 60-(6,7)BR	COUNTY MADISON	TOTAL SHEETS 185	SHEET NO. 74
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 76C56



LAST SAVED = 9/11/2009  
 PEN TABLE = V8.tbl  
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FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
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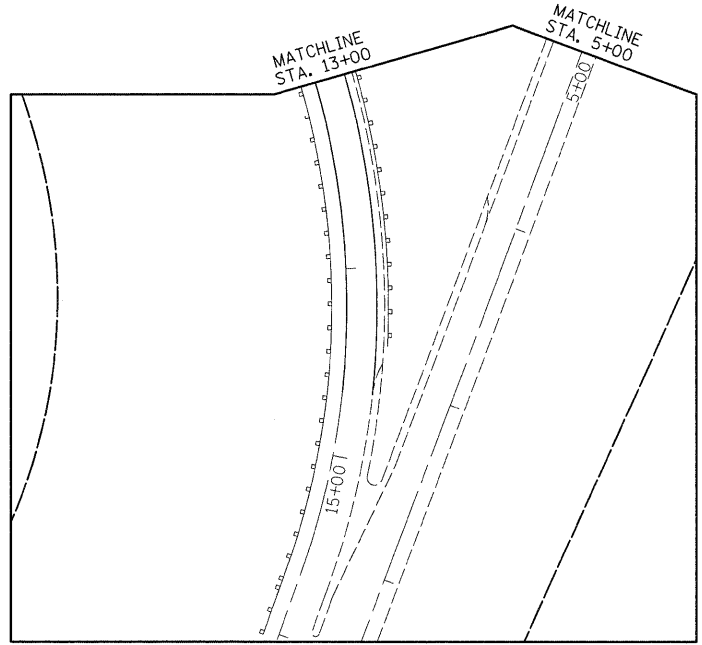
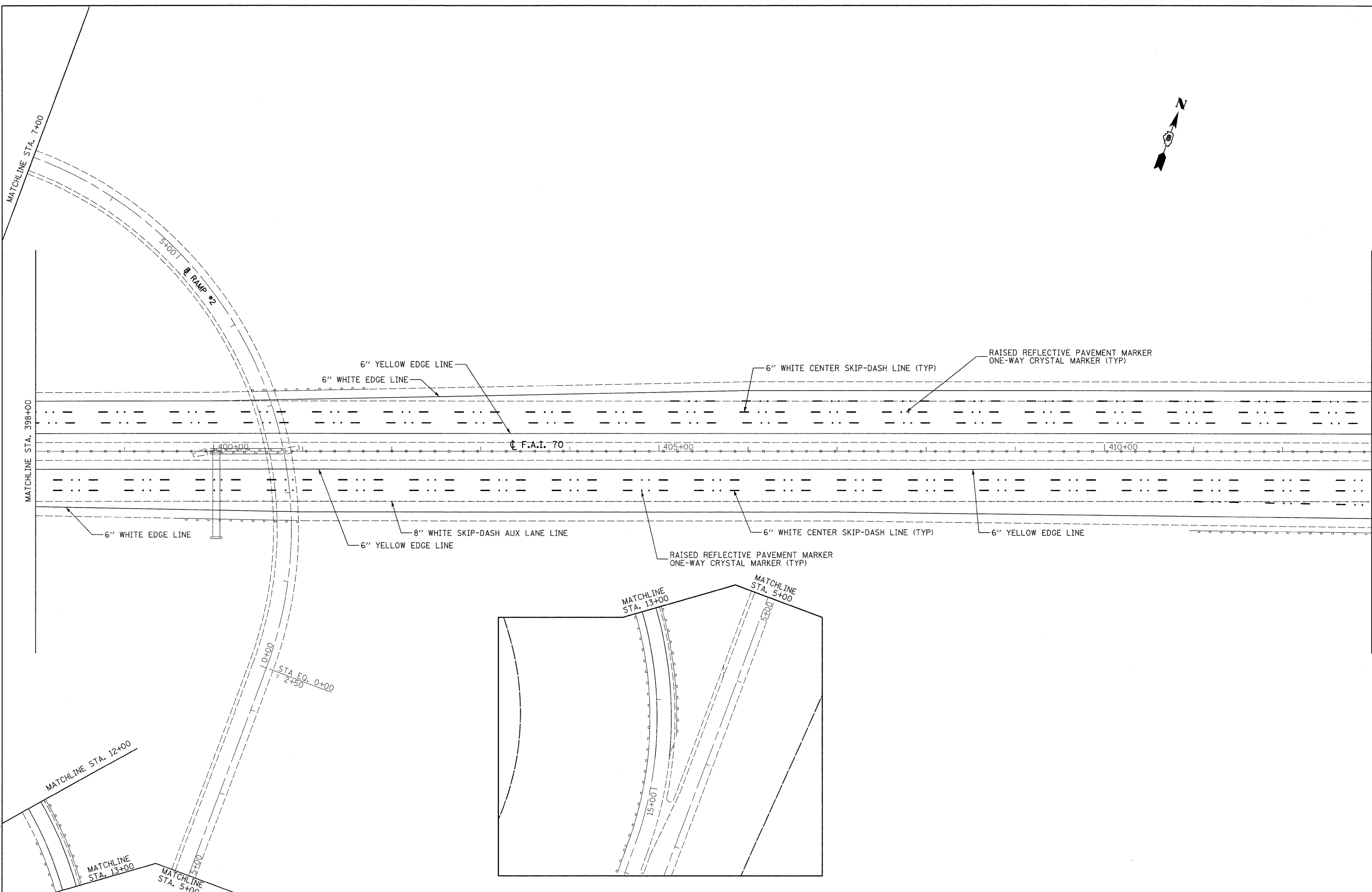
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'      SHEET NO. 2 OF 16 SHEETS      STA. 383+00 TO STA. 398+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	75
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
 PEN TABLE = YB.tbl  
 PLOT DRIVER = TR-Xerox6204-TopFlt.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
z:\08090\work_order_3\oad\plans\087655-Sht-PMK-03.dgn		DRAWN -	REVISED -
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PLOT DATE = 9/16/2009 8:53:26 PM		DATE -	REVISED -

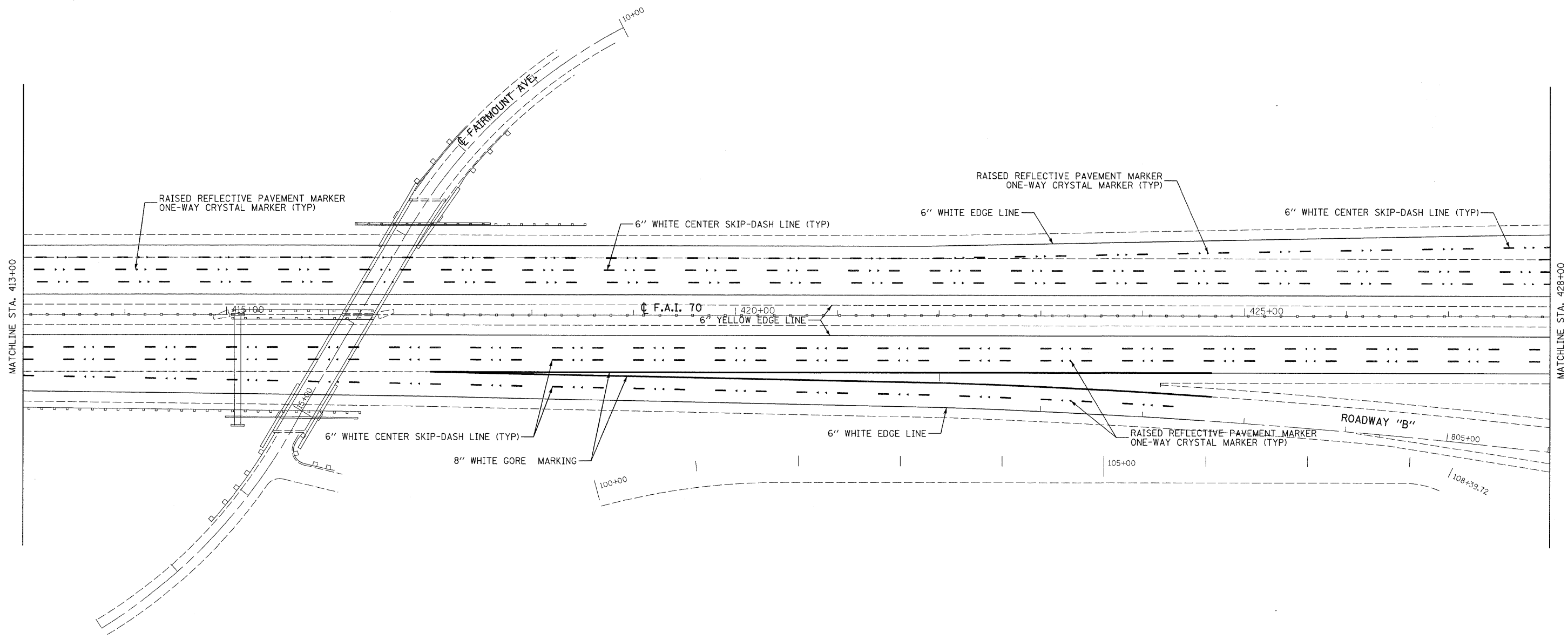
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'      SHEET NO. 3 OF 16 SHEETS      STA. 398+00 TO STA. 413+00

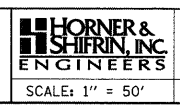
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	76
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	



LAST SAVED = 9/11/2009  
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 PLOT DRIVER = TR-Xerox6204-TopFluplot

FILE NAME =	USER NAME = adonehue	DESIGNED -	REVISED -
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PLOT DATE = 9/16/2009 8:53:28 PM		DATE -	REVISED -

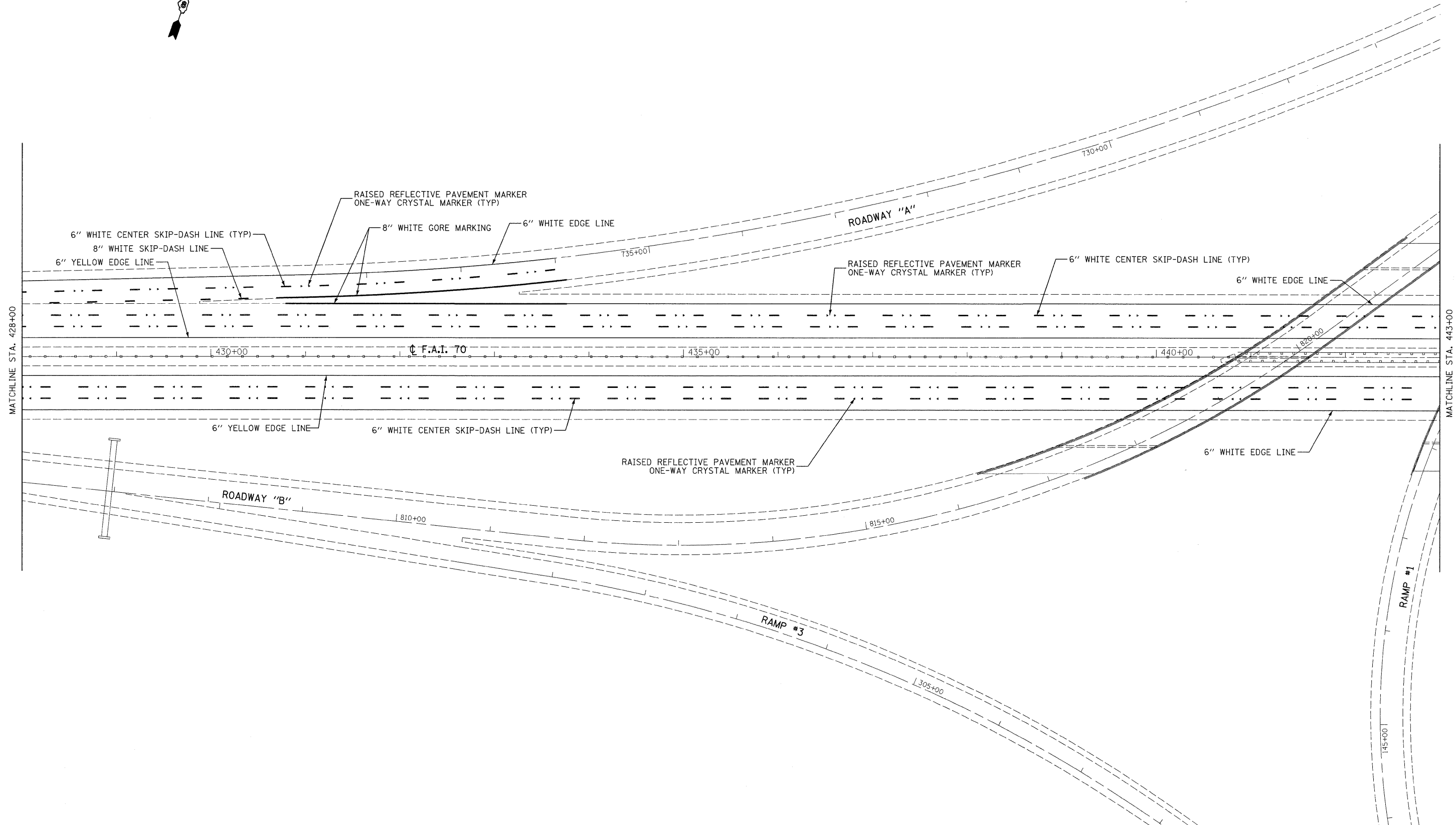
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'  
 SHEET NO. 4 OF 16 SHEETS  
 STA. 413+00 TO STA. 428+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	77
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
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FILE NAME =	USER NAME = adomehuc	DESIGNED -	REVISED -
1:\08090\work_order\3\cad\1\plans\0876855-Sht-PMK-25.dgn		DRAWN -	REVISED -
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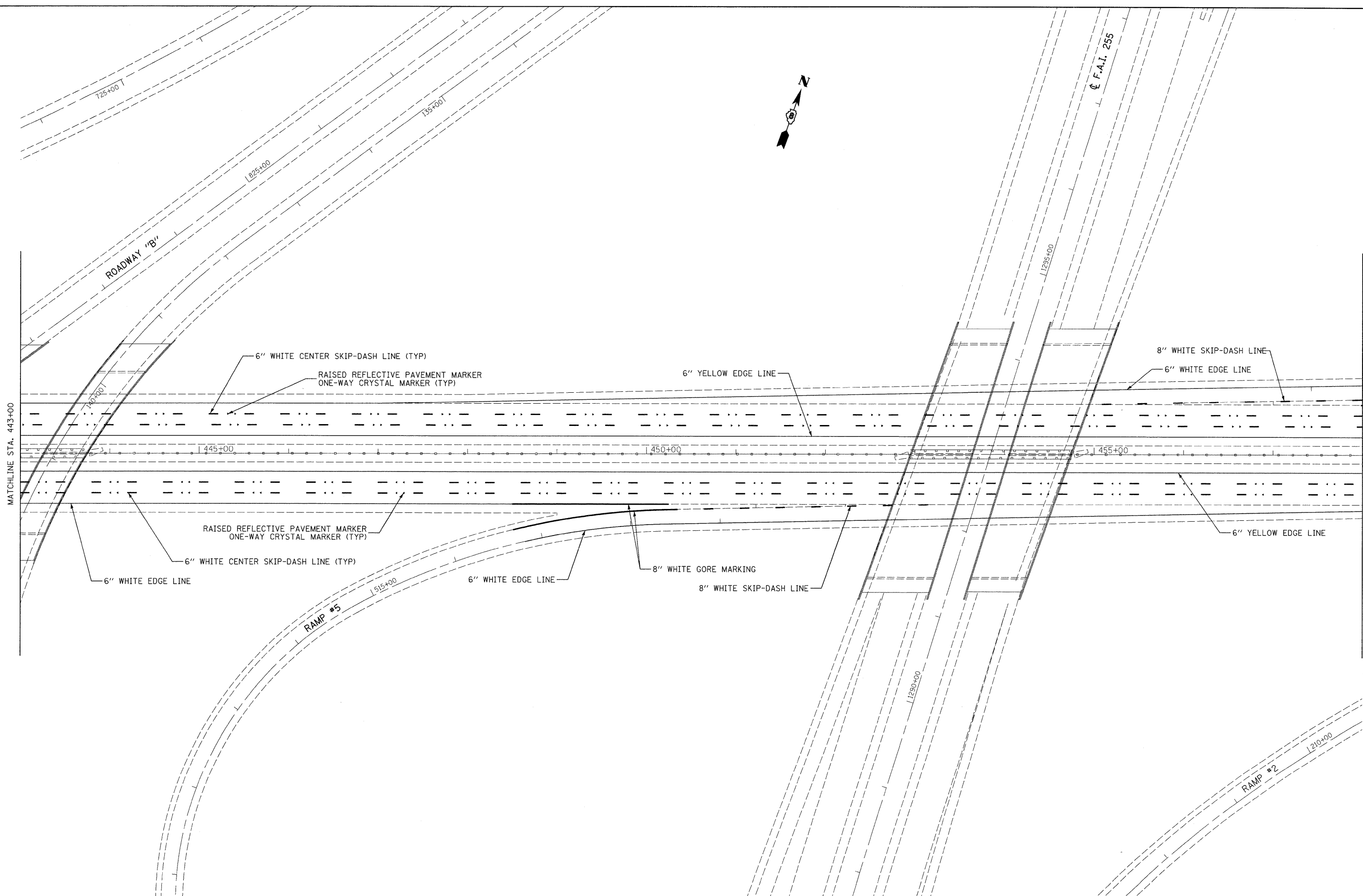
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'      SHEET NO. 5 OF 16 SHEETS      STA. 428+00 TO STA. 443+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	78
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	



LAST SAVED = 9/11/2009  
 PEN TABLE = 08.tbl  
 PLOT DRIVER = HP-Veros6704-Top-Fluplit

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
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PLOT DATE = 9/16/2009 8:53:32 PM		DATE -	REVISED -

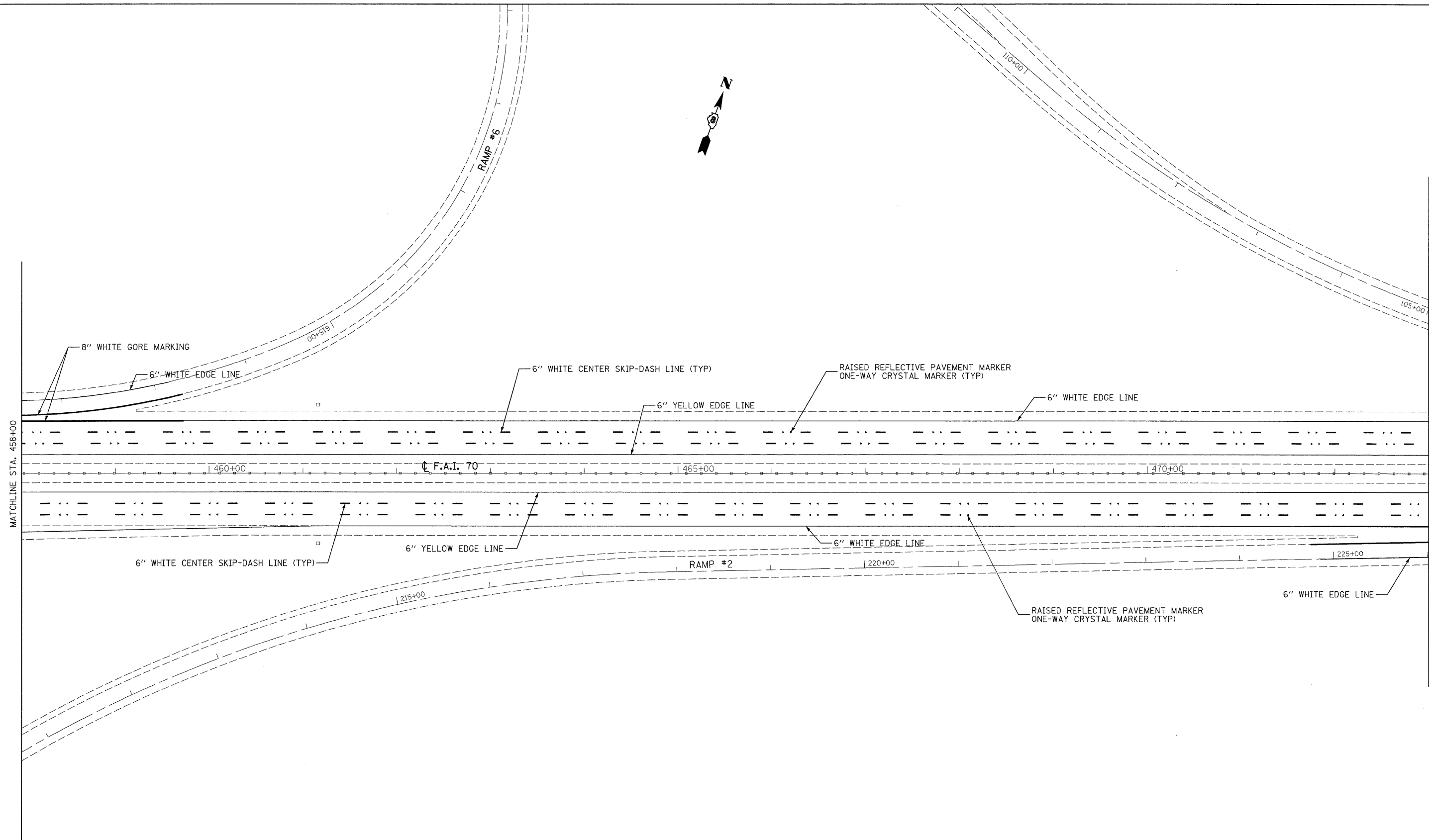
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'  
 SHEET NO. 6 OF 16 SHEETS  
 STA. 443+00 TO STA. 458+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	79
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76C56				



LAST SAVED = 9/11/2009  
 PEN TABLE = V6.tbl  
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FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

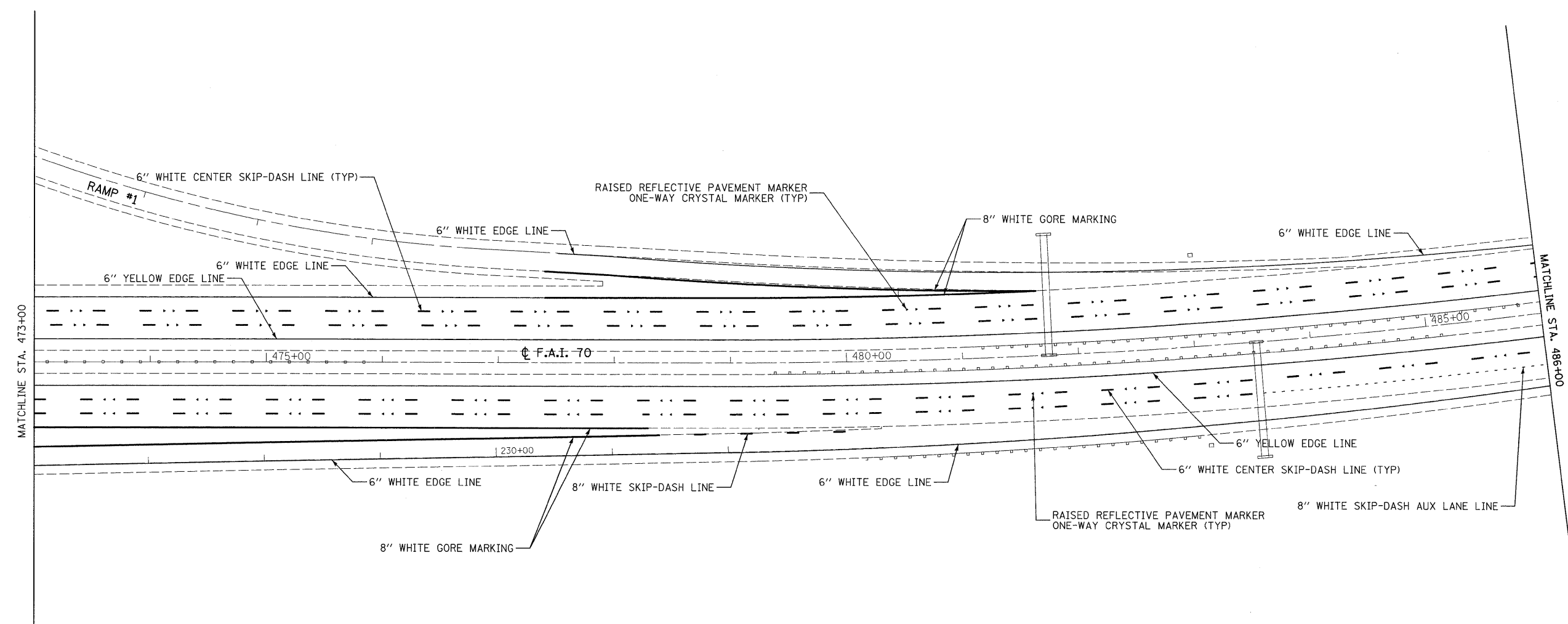


**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'      SHEET NO. 7 OF 16 SHEETS      STA. 458+00 TO STA. 473+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	80
CONTRACT NO. 76C56				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				





LAST SAVED = 9/11/2009  
 PEN TABLE = V6.tbl  
 PLOT DRIVER = TR-Xerox6204-Te-File.plt

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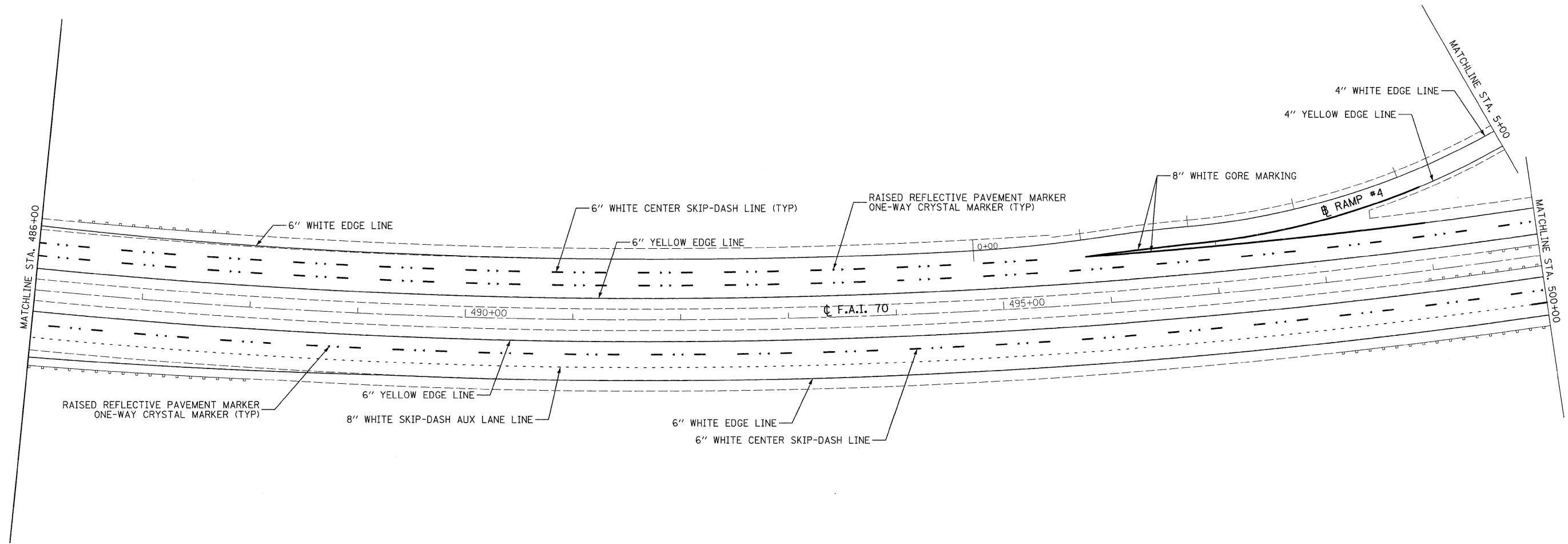
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'      SHEET NO. 8 OF 16 SHEETS      STA. 473+00 TO STA. 486+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	81
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	



LAST SAVED = 9/11/2009  
 PEN TABLE = Y8.tbl  
 PLOT DRIVER = TR-Xerox6204-Te-File.plt

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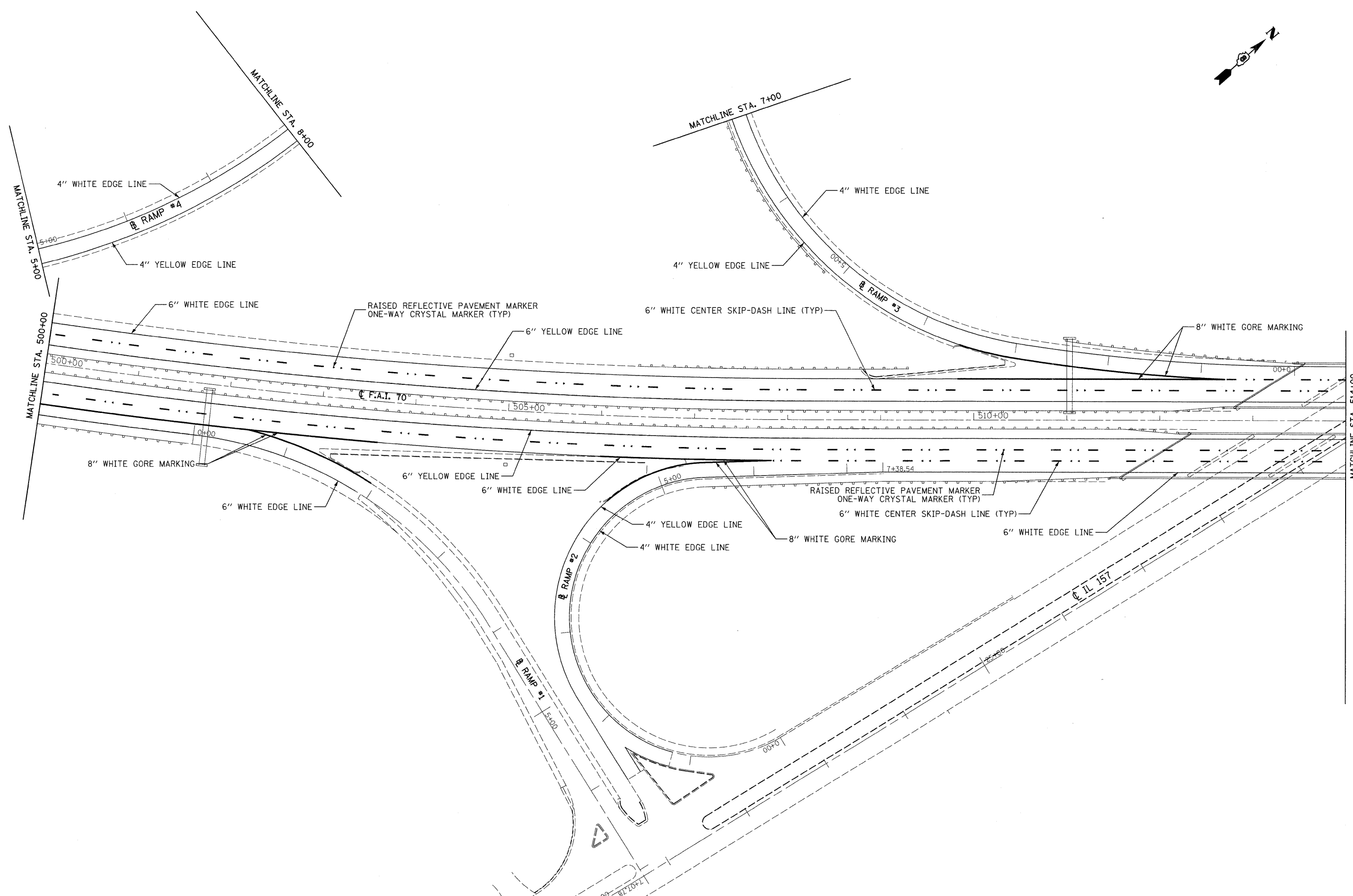
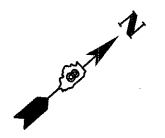
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'      SHEET NO. 9 OF 16 SHEETS      STA. 486+00 TO STA. 500+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	82
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76C56				



LAST SAVED = 9/11/2009  
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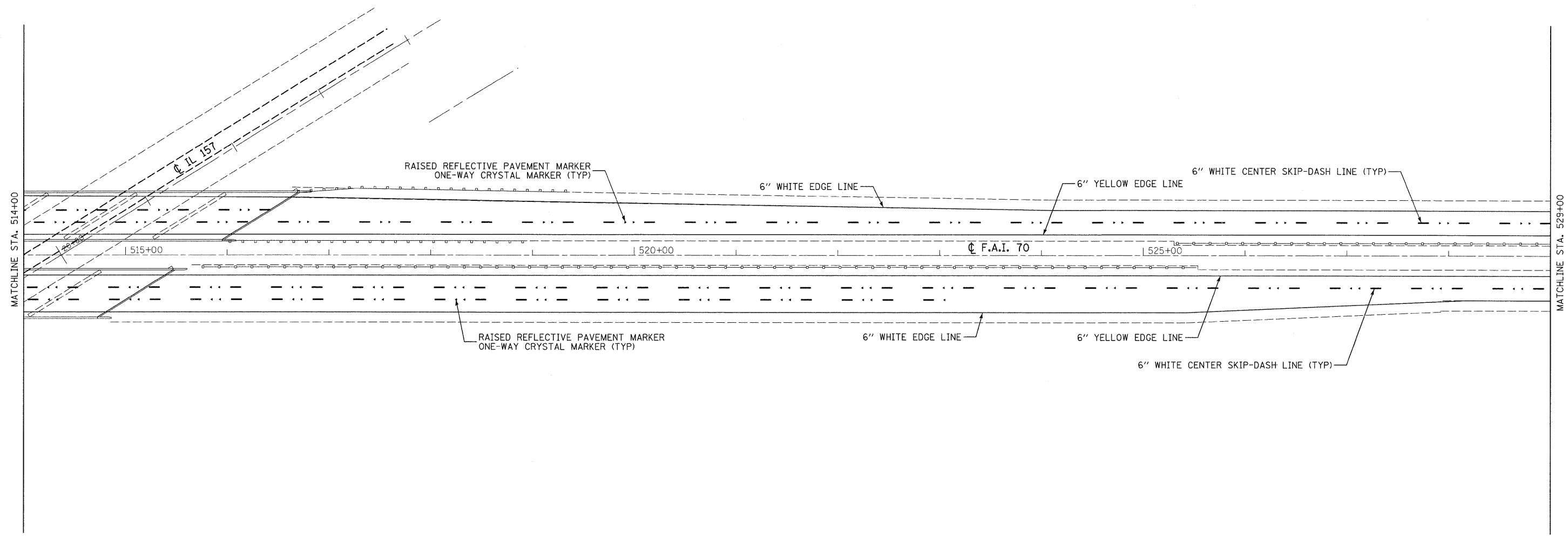
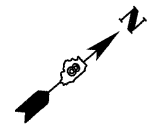
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**HORNER & SHIFRIN, INC.**  
**ENGINEERS**  
 SCALE: 1" = 50'

**PAVEMENT MARKING DETAILS**

SHEET NO. 10 OF 16 SHEETS  
 STA. 500+00 TO STA. 514+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	83
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
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 PLOT DRIVER = TR-Xerox6204-TopFile.plt

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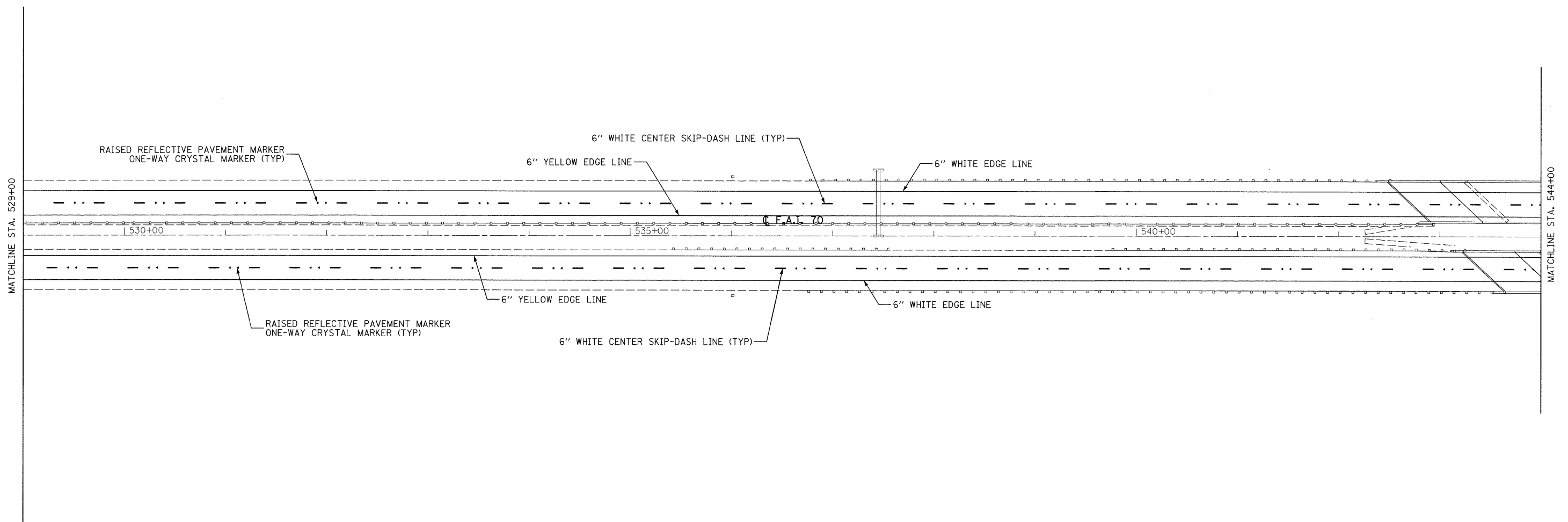
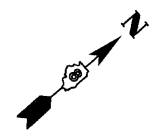
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'  
 SHEET NO. 11 OF 16 SHEETS  
 STA. 514+00 TO STA. 529+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	84
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	



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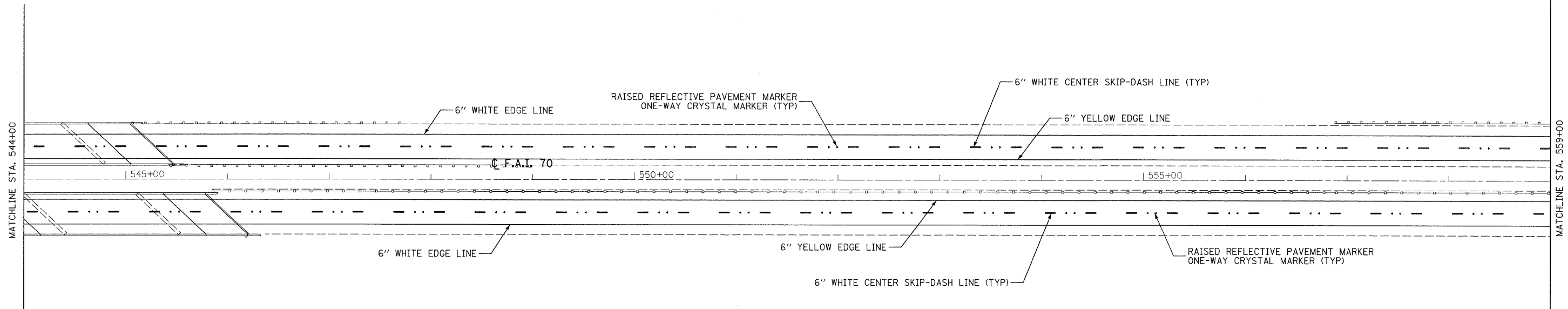
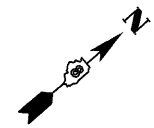
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'      SHEET NO. 12 OF 16 SHEETS      STA. 529+00      TO STA. 544+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	85
CONTRACT NO. 76C56				
FED. ROAD DIST. NO.      ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
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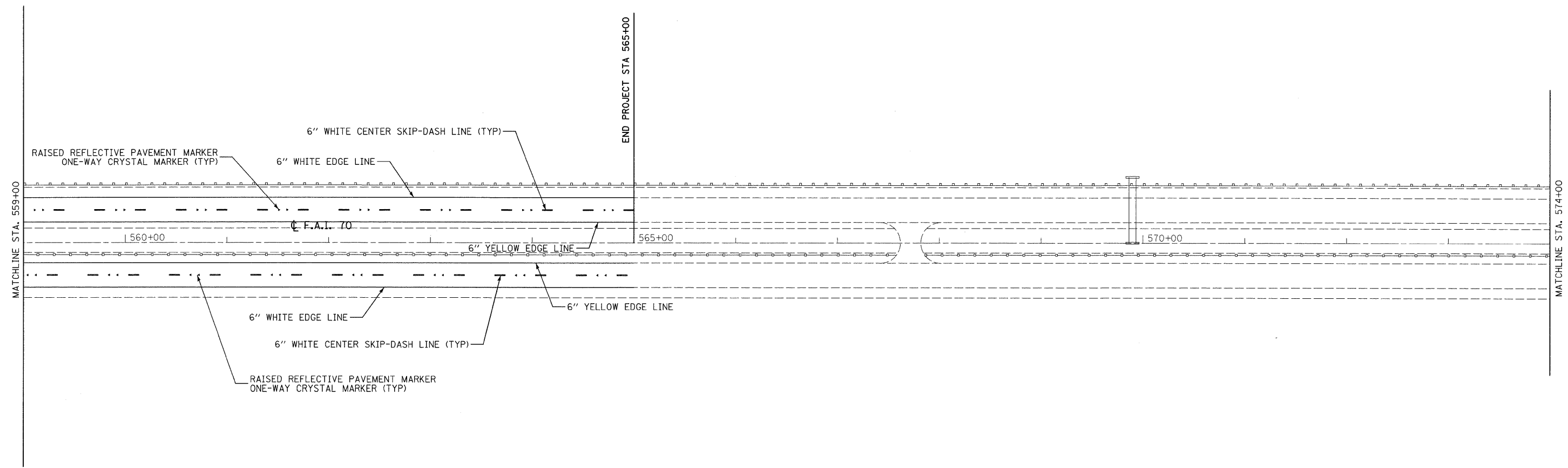
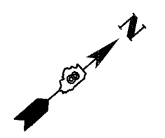
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'      SHEET NO. 13 OF 16 SHEETS      STA. 544+00 TO STA. 559+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	86
CONTRACT NO. 76C56				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



LAST SAVED = 9/11/2009  
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 PLOT DRIVER = TR-Xerox6204-TopFile.plt

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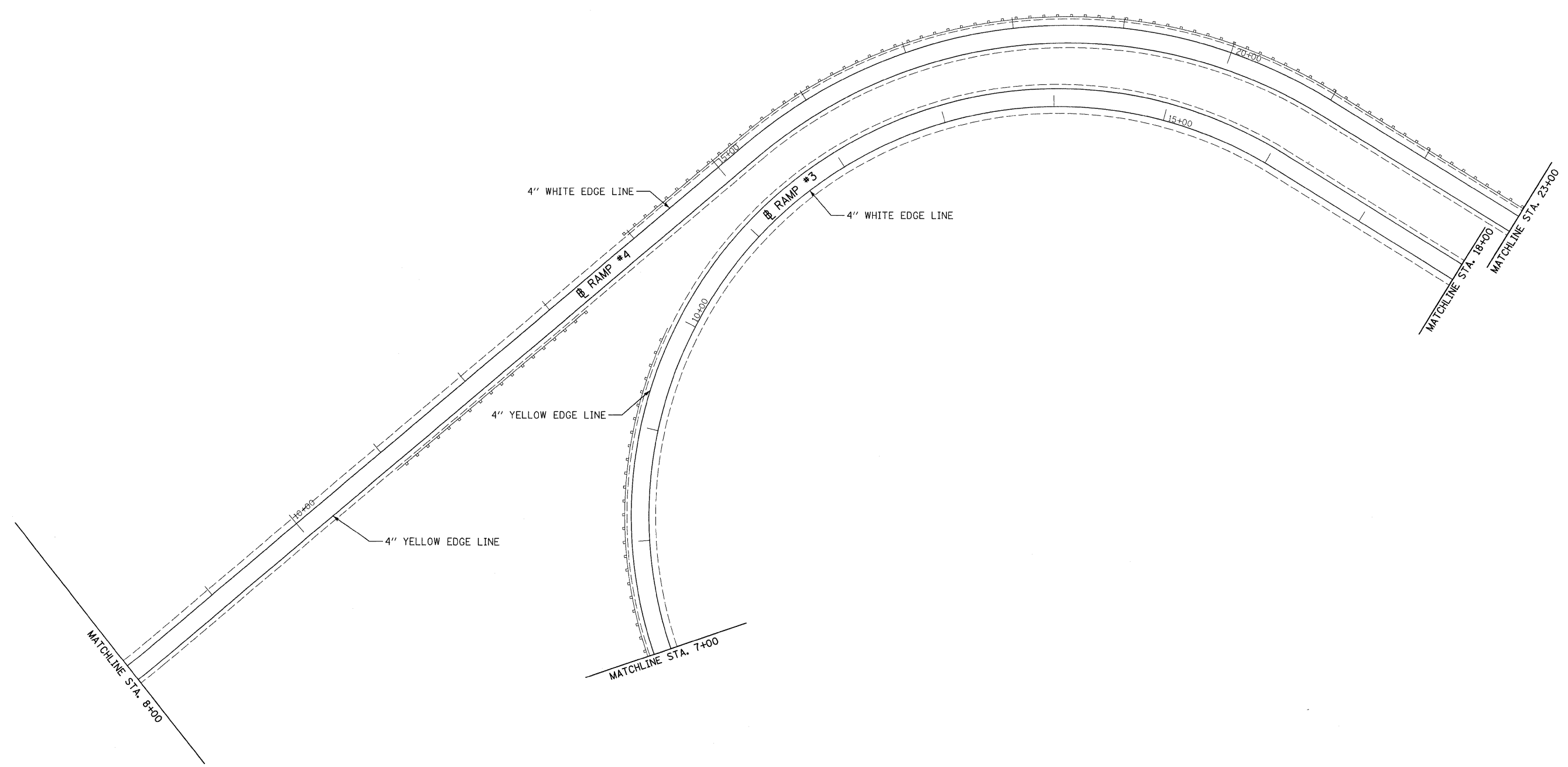
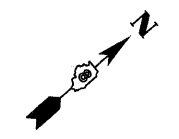
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'    SHEET NO. 14 OF 16 SHEETS    STA. 559+00    TO STA. 574+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	87
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	



LAST SAVED = 9/11/2009  
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**STATE OF ILLINOIS**  
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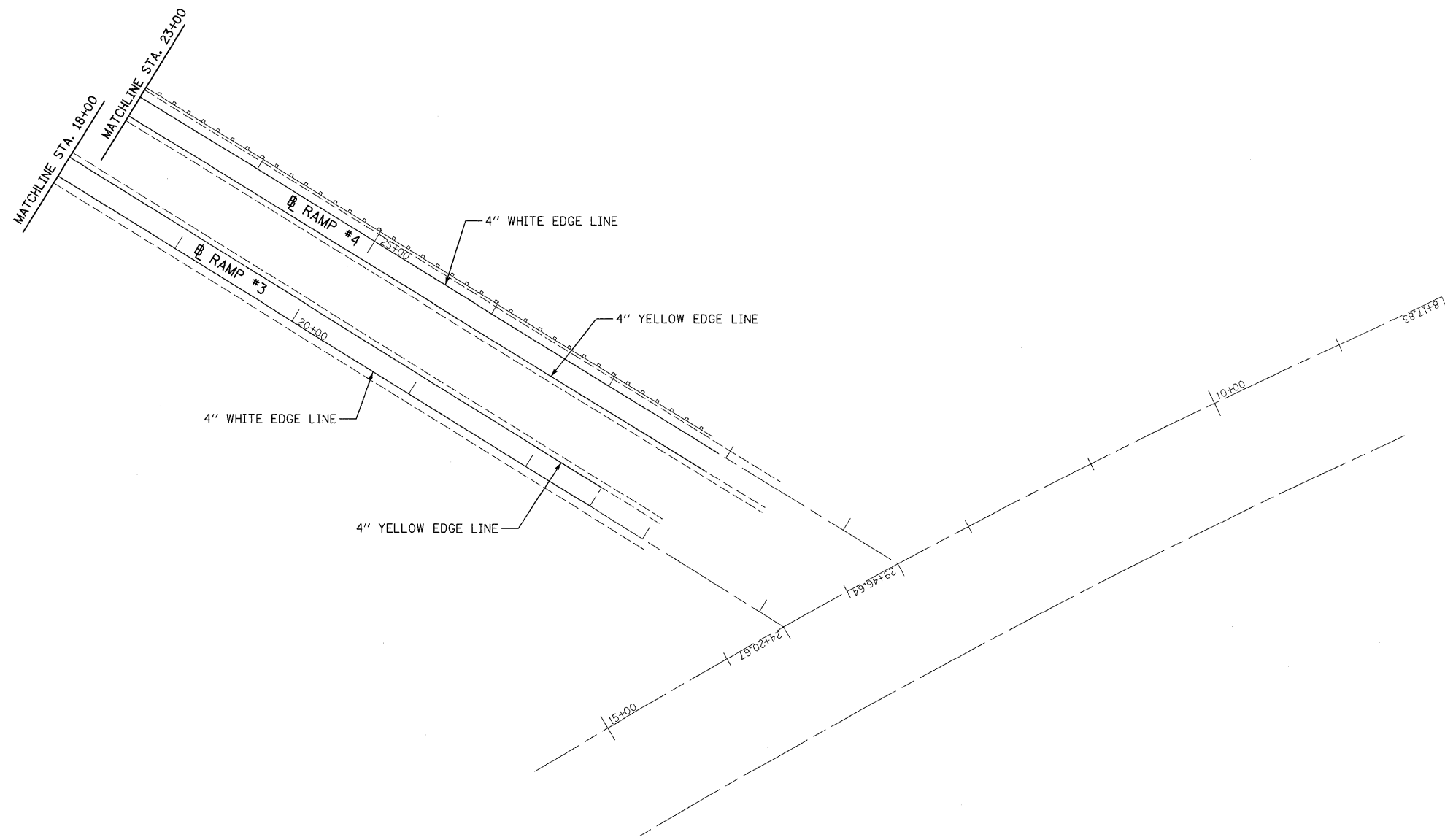
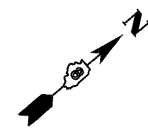


**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'     SHEET NO. 15 OF 16 SHEETS     STA. 7+00     TO STA. 23+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	88
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





LAST SAVED = 9/11/2009  
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 PLOT DRIVER = TR:xeos6204-Tp-F11plot

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

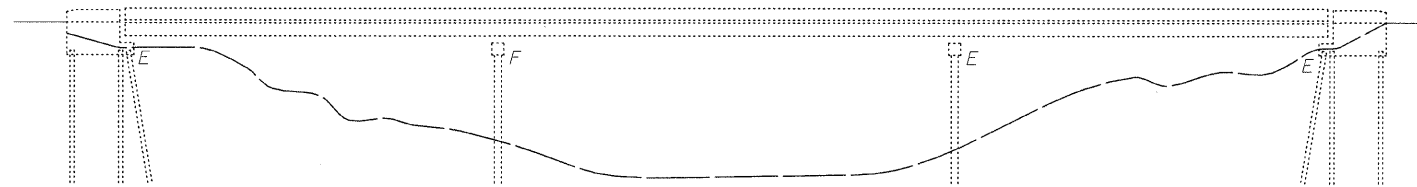


**PAVEMENT MARKING DETAILS**

SCALE: 1" = 50'      SHEET NO. 16 OF 16 SHEETS      STA. 18+00      TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	89
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76C56	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



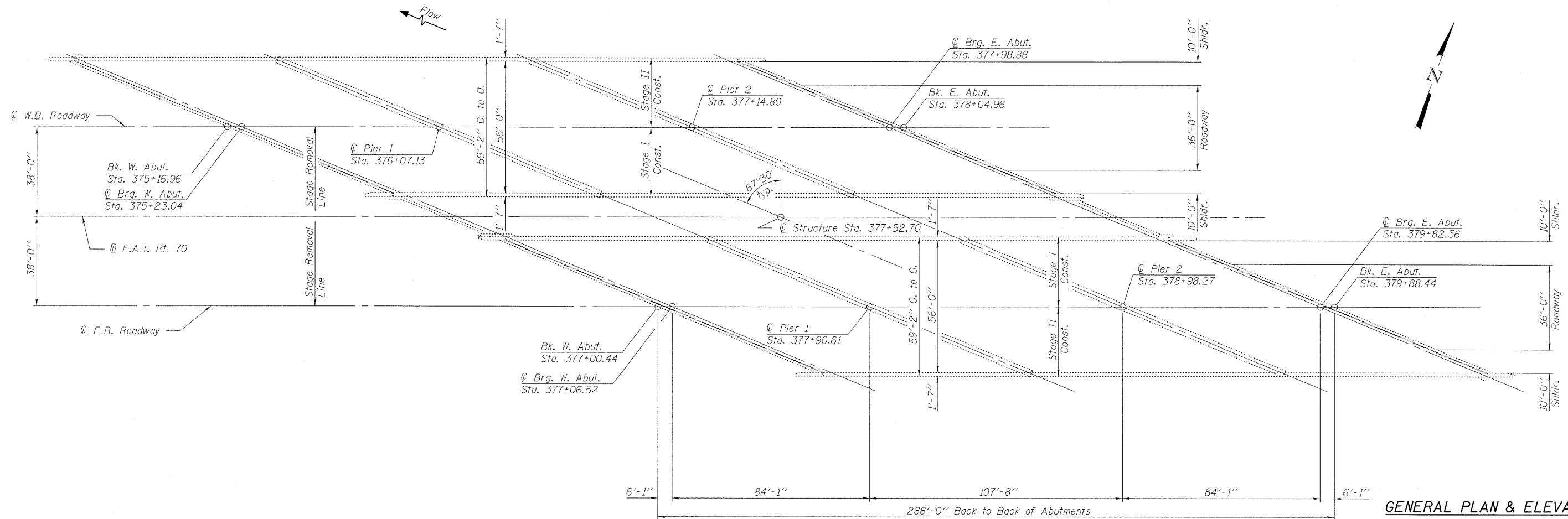
ELEVATION

INDEX OF SHEETS

1. General Plan and Elevation
2. General Data
3. Stage Construction Details
4. Temporary Concrete Barrier for Stage Construction
5. Continuous Seal Type Neoprene Expansion Joint
6. Pier Bearing Details
7. Pier 1 Details

SCOPE OF WORK

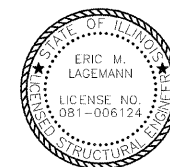
1. Replace expansion joints.
2. Wash bridge deck, parapets and abutment seats.
3. Seal deck, parapets, and abutment seats with "Concrete Sealer".
4. Remove and replace bearings at Pier 2.
5. Construct concrete pedestals around existing bearings at Pier 1.



PLAN

GENERAL PLAN & ELEVATION  
I-70 OVER CANTEEN CREEK  
F.A.I. RT. 70 - SECTION 60-(6,7)BR  
MADISON COUNTY  
STA. 377+52.70  
STRUCTURE NO. 060-0010 (E.B.)  
STRUCTURE NO. 060-0011 (W.B.)

DESIGNED	KLH
CHECKED	EML
DRAWN	KLH
CHECKED	EML



Eric Lagemann 9/15/09  
Expires 11/30/2010

**HORNER & SHIFRIN, INC.**  
**ENGINEERS**

SHEET NO. 1 7 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	90
			CONTRACT NO. 76C56		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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.

Plan dimensions and details relative to existing plans are subject to nominal construction 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 at the unit price bid for the work.

Concrete Sealer shall be applied to the abutment bearing seats.

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

Fasteners shall be high strength bolts. Bolts  $\frac{3}{4}$ "  $\phi$ , open holes  $\frac{13}{16}$ "  $\phi$ , or Bolts  $\frac{7}{8}$ "  $\phi$ , open holes  $\frac{5}{8}$ "  $\phi$ , unless otherwise noted.

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

The bridge deck, parapets, and abutment seats shall be washed according to Article 592.00 of the Standard Specifications. Cost is included with Bridge Washing No. 1.

All structural steel shall conform to AASHTO Classification M 270 Gr. 36, unless otherwise noted.

The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat shall be Gray, Munsel No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".

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

Concrete Sealer shall be applied to the surfaces of the bridge deck and parapets, including wings. See Special Provision for "Bridge Deck Concrete Sealer".

TOTAL BILL OF MATERIAL  
TWO STRUCTURES

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Structures	Cu. Yd.		5.0	5.0
Furnishing and Erecting Structural Steel	Pound	7,100		7,100
Jack and Remove Existing Bearings	Each	20		20
Reinforcement Bars, Epoxy Coated	Pound		730	730
Neoprene Expansion Joint 2"	Foot	306.0		306.0
Neoprene Expansion Joint 2 1/2"	Foot	306.0		306.0
Elastomeric Bearing Assembly, Type I	Each	20		20
Anchor Bolts, 1 1/2"	Each	40		40
Concrete Sealer	Sq. Ft.	36,052	1,996	38,048
Bridge Washing No. 1	Each			2

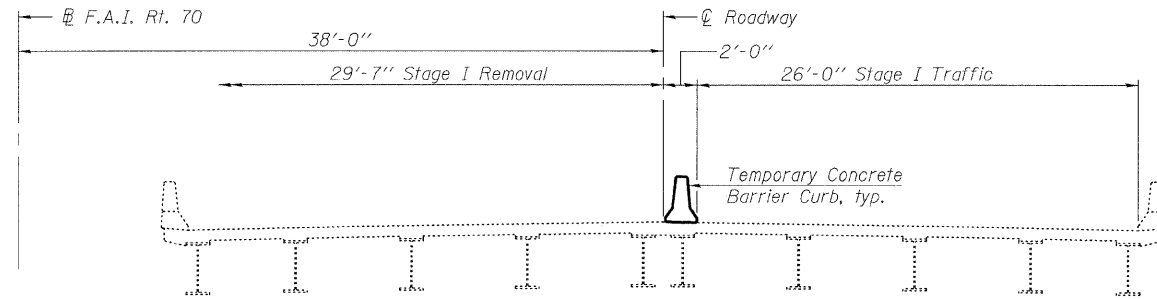
DESIGNED JJD
CHECKED EML
DRAWN JJD
CHECKED EML

GENERAL DATA  
STRUCTURE NO. 060-0010 (E.B.)  
STRUCTURE NO. 060-0011 (W.B.)

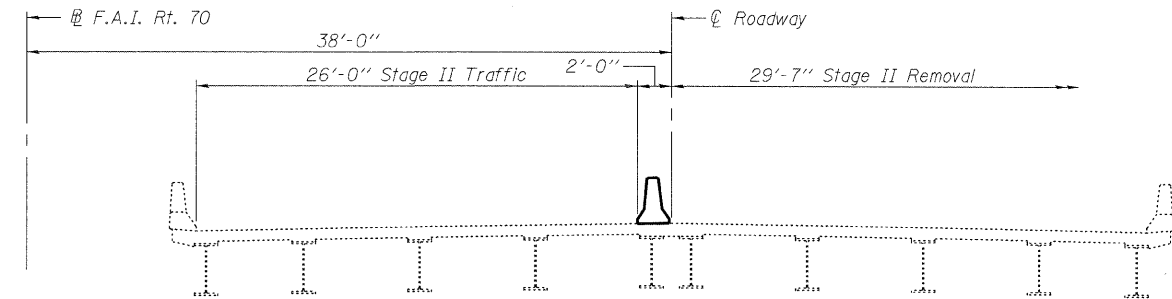


SHEET NO. 2 7 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	91
CONTRACT NO. 76C56					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

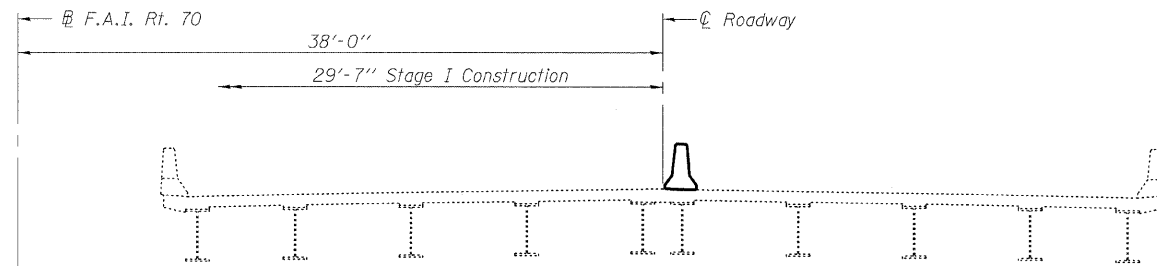
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



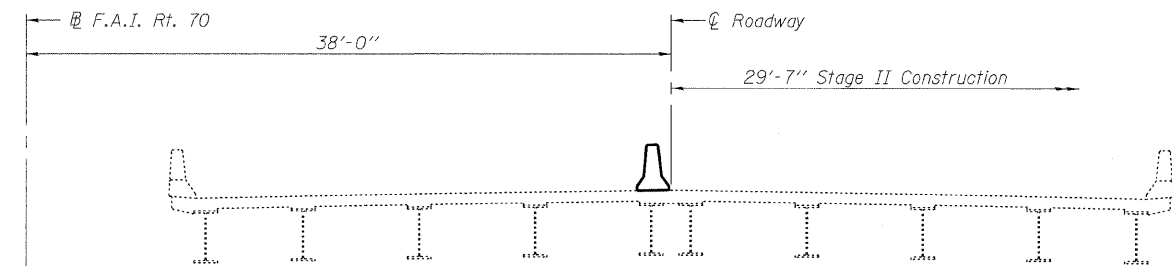
STAGE I REMOVAL



STAGE II REMOVAL



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

Notes:  
All sections are looking east for E.B. Roadway and west for W.B. Roadway.  
For quantity of Temporary Concrete Barrier, see roadway plans.  
Stage removal and construction shown in sections is limited to expansion joint replacement, bearing replacement, and Pier 1 modifications.

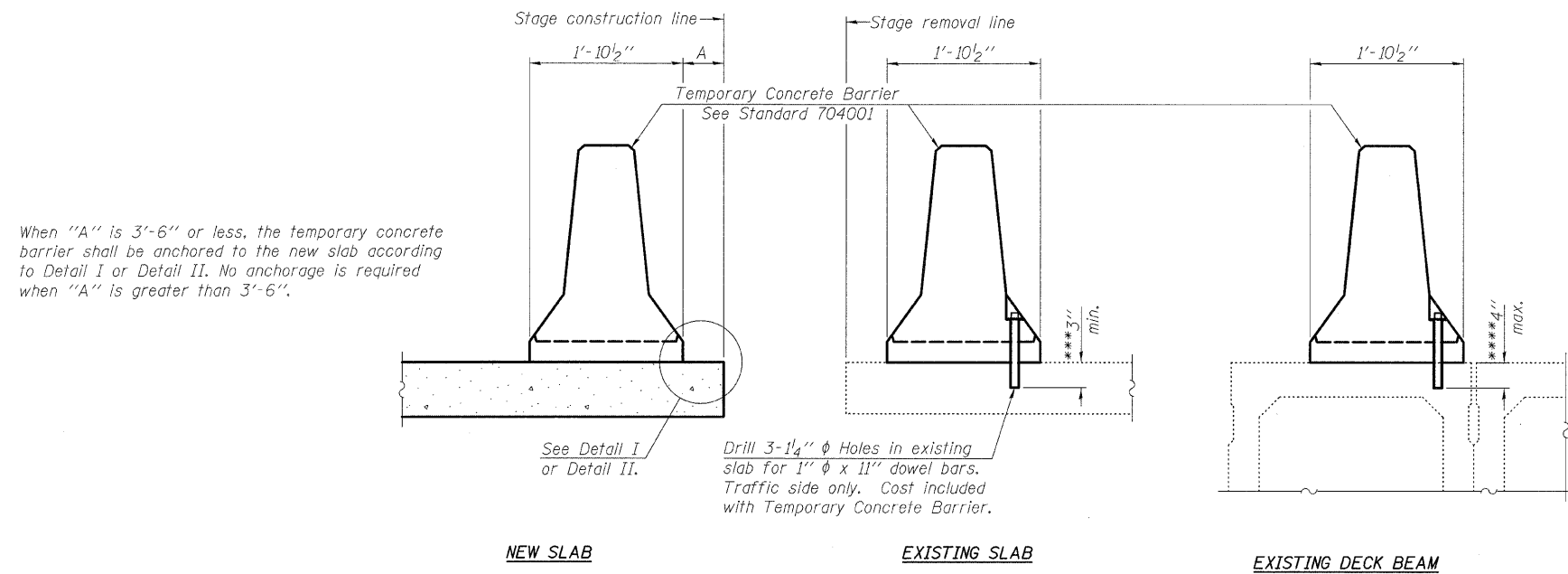
DESIGNED	KLH
CHECKED	EML
DRAWN	KLH
CHECKED	EML

STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 060-0010 (E.B.)  
STRUCTURE NO. 060-0011 (W.B.)

**HORNER & SHIFRIN, INC.**  
ENGINEERS

SHEET NO. 3 7 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	92
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76C56					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



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

NEW SLAB

EXISTING SLAB

EXISTING DECK BEAM

Drill 3-1/4"  $\phi$  Holes in existing slab for 1"  $\phi$  x 11" dowel bars. Traffic side only. Cost included with Temporary Concrete Barrier.

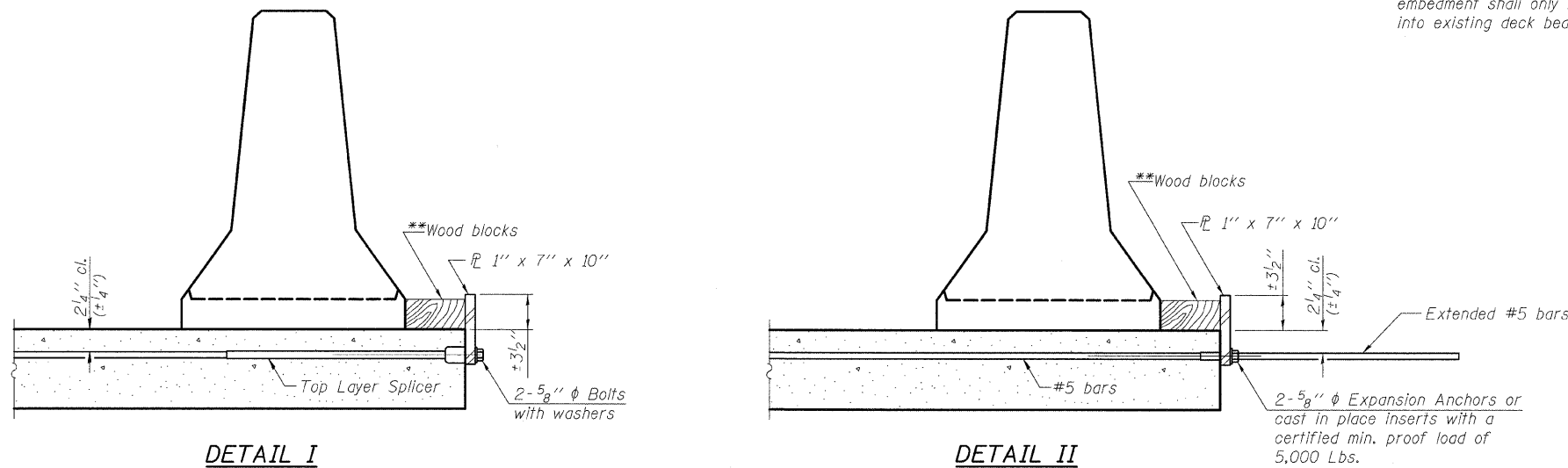
See Detail I or Detail II.

NOTES

- Detail I - With Bar Splicer or Couplers:  
Connect one (1) 1"x7"x10" steel  $\bar{L}$  to the top layer of couplers with 2-5/8"  $\phi$  bolts screwed to coupler at approximate  $\bar{C}$  of each barrier panel.
- Detail II - With Extended Reinforcement Bars:  
Connect one (1) 1"x7"x10" steel  $\bar{L}$  to the concrete slab or concrete wearing surface with 2-5/8"  $\phi$  Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate  $\bar{C}$  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

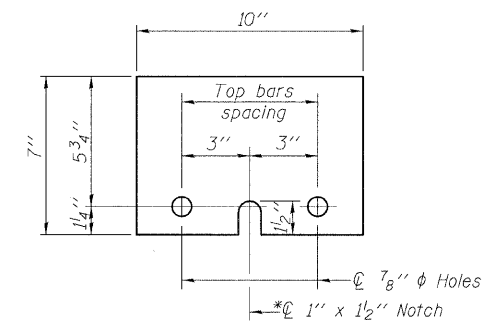
- \*\*\* Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.
- \*\*\*\* If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I

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.



STEEL RETAINER  $\bar{L}$  1" x 7" x 10"

\* Required only with Detail II

DESIGNED	KLH
CHECKED	EML
DRAWN	KLH
CHECKED	EML

R-27

10-1-08

**HORNER & SHIFRIN, INC.**  
ENGINEERS

SHEET NO. 4 7 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	93
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76C56					

TEMPORARY CONCRETE BARRIER  
FOR STAGE CONSTRUCTION  
STRUCTURE NO. 060-0010 (E.B.)  
STRUCTURE NO. 060-0011 (W.B.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Location	Joint Size	"C" at 50°F	"D" at 50°F
W. Abut.	2"	2"	1 1/2" Min.
E. Abut.	2 1/2"	2 1/2"	1 3/4" Min.

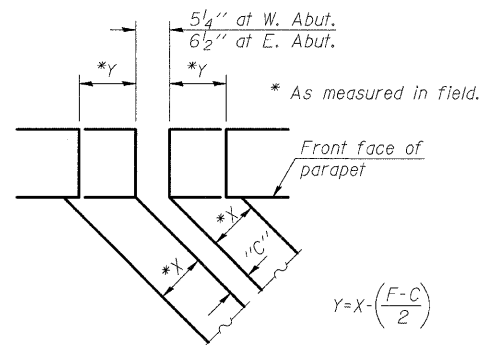
**INSTALLATION NOTES**

- Install continuous seal in roadway and parapet.
- Install anchor blocks as indicated.

Note A:  
Maximum spacing of threaded anchor rods shall be 12" centers.

**SKREW LIMITATIONS**

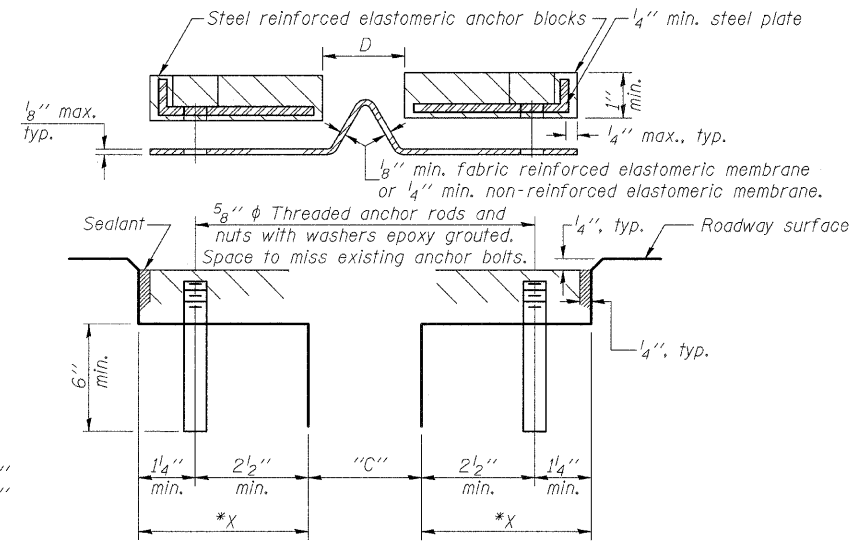
For skews greater than 50°, the anchor blocks and the elastomeric membrane, installed according to dimension "D", might require modifications to insure a minimum clearance of 1/2" from centerline of threaded anchor rods to edge of parapet opening. The anchor blocks and the elastomeric membrane shall also be installed to the top of the parapet with the threaded anchor rods spaced at ±12" cts.



**BLOCKOUT SKETCH**

$$Y = X - \left( \frac{F - C}{2} \right)$$

"F" dimension for W. Abut. = 5 1/4"  
"F" dimension for E. Abut. = 6 1/2"



**CROSS SECTION**

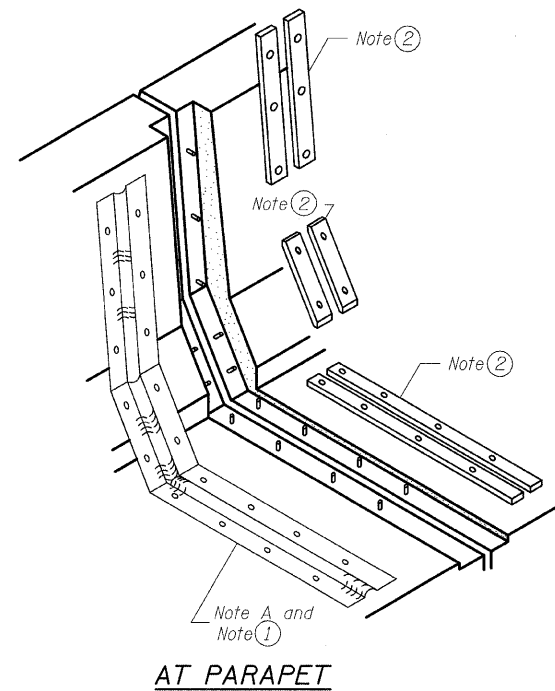
**GENERAL NOTES**

Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane.

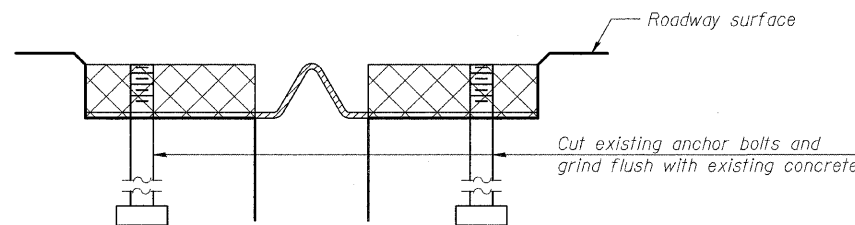
The elastomeric membrane shall be premolded with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.

The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.

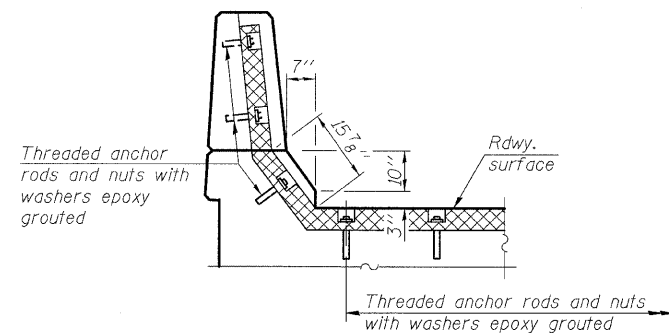
The parapet and roadway membrane shall be made continuous by an approved vulcanizing process. Lapping will not be permitted.



**AT PARAPET**



**REMOVAL CROSS SECTION**



**AT PARAPET**

**BILL OF MATERIAL  
TWO STRUCTURES**

ITEM	UNIT	QUANTITY
Neoprene Expansion Joint 2"	Foot	306.0
Neoprene Expansion Joint 2 1/2"	Foot	306.0

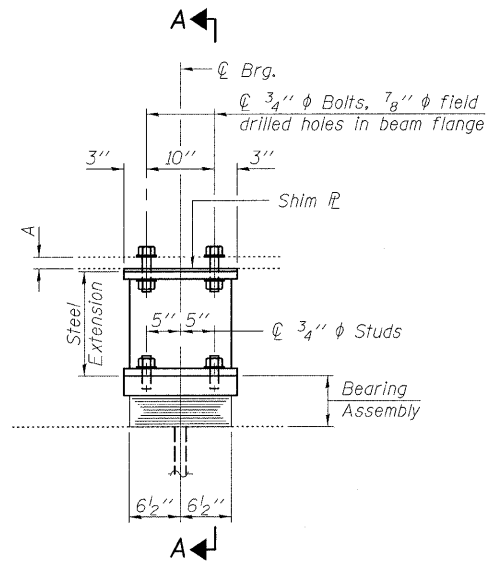
**CONTINUOUS SEAL TYPE  
NEOPRENE EXPANSION JOINTS  
STRUCTURE NO. 060-0010 (E.B.)  
STRUCTURE NO. 060-0011 (W.B.)**

DESIGNED	KLH
CHECKED	EML
DRAWN	KLH
CHECKED	EML

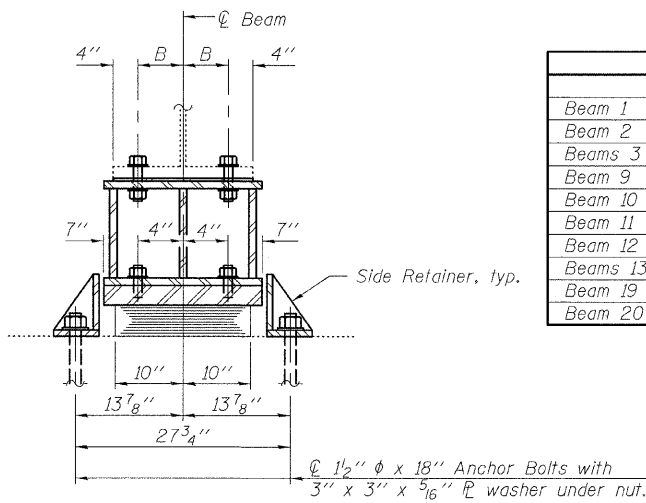
**HORNER &  
SHIFRIN, INC.  
ENGINEERS**

SHEET NO. 5	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7 SHEETS	70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	94
CONTRACT NO. 76C56					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

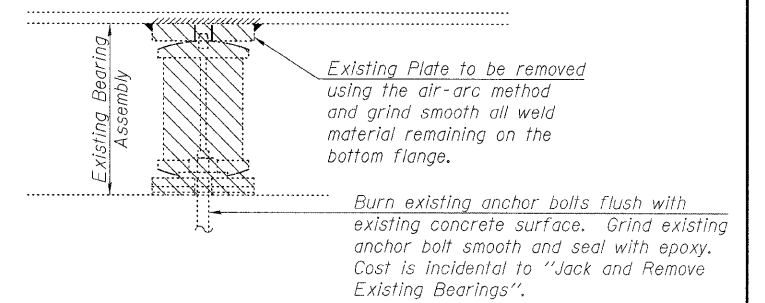


ELEVATION AT PIER 2



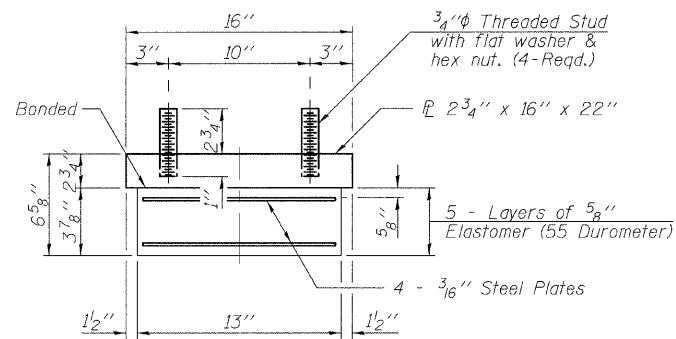
SECTION A-A

TABLE OF VARIABLE DIMENSIONS					
	A	B	C	D	E
Beam 1	19 1/8"	4 5/8"	9"	7"	6 1/8"
Beam 2	19 1/8"	4 5/8"	13 1/8"	11 1/8"	6 1/8"
Beams 3 thru 8	19 1/8"	4 1/4"	9 3/4"	7 3/4"	6 3/4"
Beam 9	19 1/8"	4 5/8"	12 1/4"	10 1/4"	6 1/8"
Beam 10	19 1/8"	4 5/8"	9"	7"	6 1/8"
Beam 11	19 1/8"	4 5/8"	9"	7"	6 1/8"
Beam 12	19 1/8"	4 5/8"	13 1/8"	11 1/8"	6 1/8"
Beams 13 thru 18	19 1/8"	4 1/4"	9 3/4"	7 3/4"	6 3/4"
Beam 19	19 1/8"	4 5/8"	12 1/4"	10 1/4"	6 1/8"
Beam 20	19 1/8"	4 5/8"	9"	7"	6 1/8"



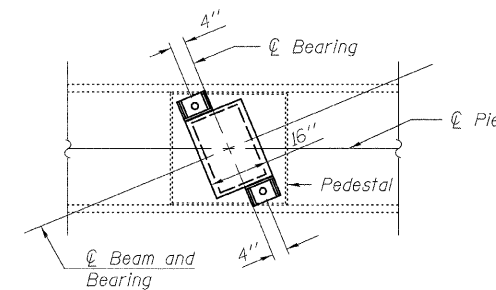
EXISTING BEARING REMOVAL DETAIL

TYPE I ELASTOMERIC EXP. BRG.



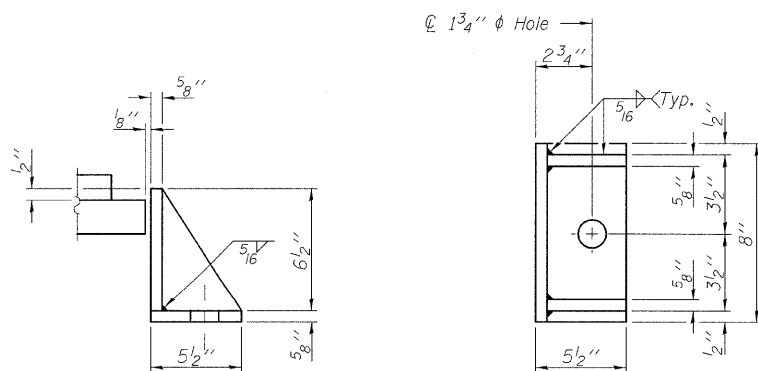
BEARING ASSEMBLY

Note:  
Shim plates shall not be placed under Bearing Assembly.



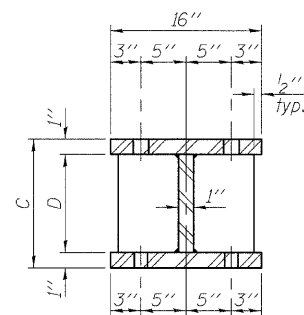
PART PLAN AT BEARING

Notes:  
The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.  
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.  
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.  
Side retainers and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.  
Steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.  
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.  
Minimum jack capacity = 200 Tons.  
Existing bearings shall be removed and replaced under traffic.  
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.

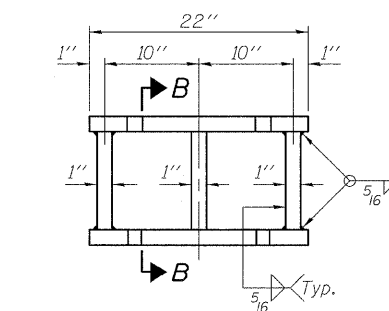


SIDE RETAINER

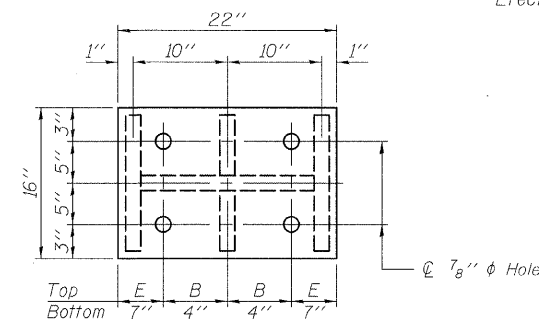
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



SECTION B-B



STEEL EXTENSION DETAIL



PLAN TOP AND BOTTOM PLATE

BILL OF MATERIAL  
TWO STRUCTURES

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	7,100
Jack and Remove Existing Bearing	Each	20
Elastomeric Bearing Assembly Type I	Each	20
Anchor Bolts, 1 1/2"	Each	40

PIER BEARING DETAILS  
STRUCTURE NO. 060-0010 (E.B.)  
STRUCTURE NO. 060-0011 (W.B.)

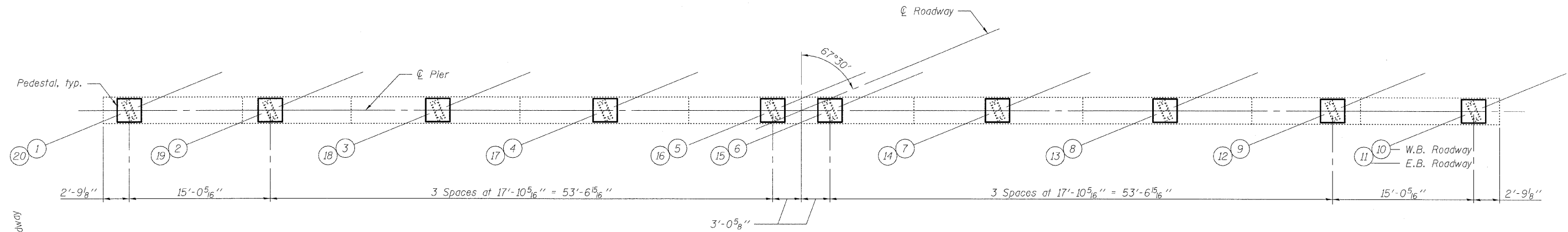
DESIGNED	JJD
CHECKED	EML
DRAWN	JJD
CHECKED	EML

EXISTING GIRDER REACTION TABLE	
Pier 2	
R <sub>0</sub>	(k) 133.1
R <sub>1</sub>	(k) 60.9
R <sub>2</sub>	(k) 13.1
R <sub>Total</sub>	(k) 207.1

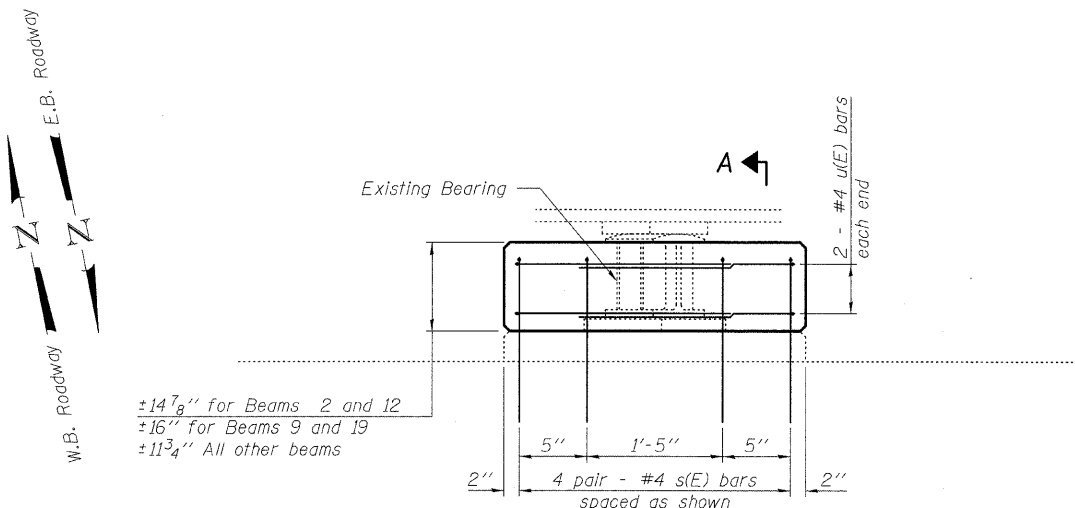
HORNER & SHIFRIN, INC.  
ENGINEERS

SHEET NO. 6 7 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	95
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76C56					

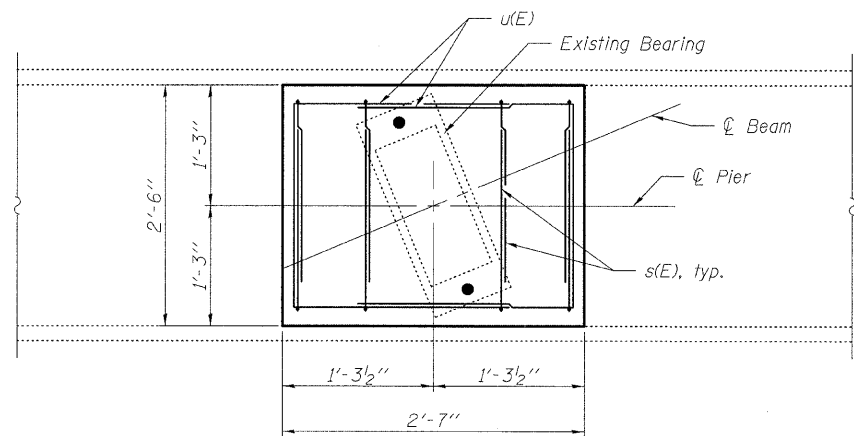
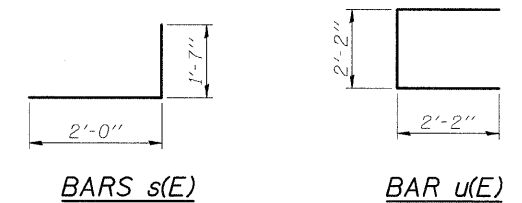
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



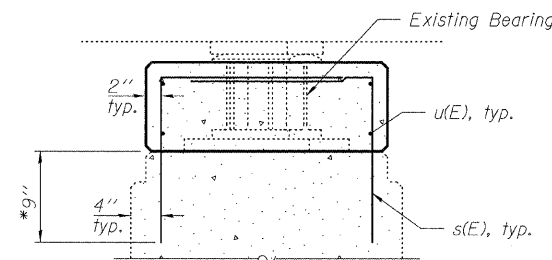
PLAN OF CAP



ELEVATION OF PEDESTAL



PLAN OF PEDESTAL



\*Drill and epoxy grout reinforcement according to Section 584 of the Standard Specifications.

SECTION A-A

BILL OF MATERIAL  
TWO STRUCTURES

Bar	No.	Size	Length	Shape
s(E)	160	#4	3'-7"	L
u(E)	80	#4	6'-6"	□
Concrete Structures			Cu. Yd.	5.0
Reinforcement Bars, Epoxy Coated			Pound	730

PIER 1 DETAILS  
STRUCTURE NO. 060-0010 (E.B.)  
STRUCTURE NO. 060-0011 (W.B.)

DESIGNED	JJD
CHECKED	EML
DRAWN	JJD
CHECKED	EML

Note:  
If there is difficulty placing the s(E) bar due to the existing beam as shown, the Contractor is to adjust the bar spacing as necessary keeping it as close as possible to the original location.

**HORNER & SHIFRIN, INC.**  
ENGINEERS

SHEET NO. 7 7 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	96
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76C56					



**SCOPE OF WORK**

- 1) Replace expansion joints
- 2) Seal joint between approach slab & vault slab
- 3) Bridge washing on deck, parapets and abutment seats
- 4) Seal deck and parapets with concrete sealer
- 5) Seal abutment seats with concrete sealer
- 6) Repair abutments
- 7) Install additional side retainers at abutment bearings
- 8) Place additional riprap along Northeast wingwall
- 9) Fill erosion hole underneath Northeast approach
- 10) Repair concrete curbs at Northeast and Southeast approach inlets

**GENERAL NOTES**

No field welding is permitted except as specified in the contract documents. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

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 qualified personnel approved by 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 nominal construction 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 at 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.

Bridge washing shall be performed on the deck, parapets and abutment seats according to Article 592.00 of the Standard Specifications.

Concrete Sealer shall be applied to the abutment seats.

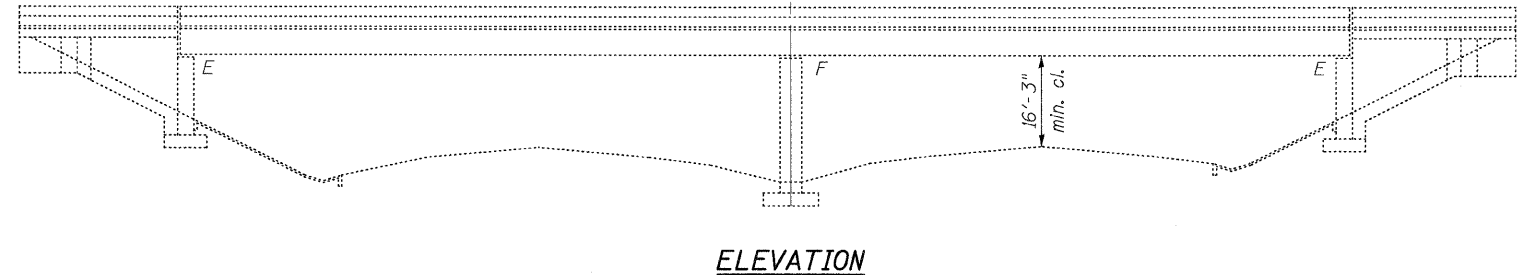
Concrete Sealer shall also be applied to the surfaces of the bridge deck and parapets including wings. See Special Provision for "Bridge Deck Concrete Sealer".

New structural steel shall be cleaned and painted according to the special provision for "Cleaning and Painting New Metal Structures". New structural steel shall be fully shop painted with the Organic Zinc Rich Primer/Epoxy/Urethane paint system, final finish coat shall be Gray, Munsell No. 5B/7/1.

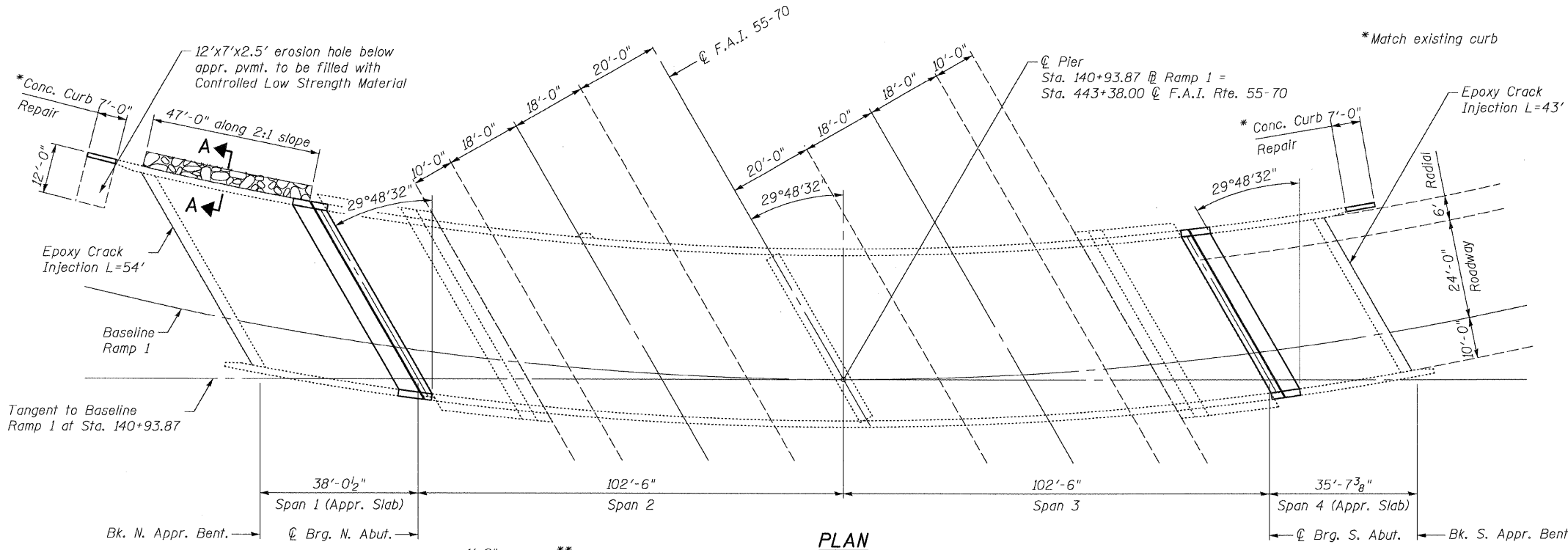
Joint openings shall be adjusted according to Art. 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.

**INDEX OF SHEETS**

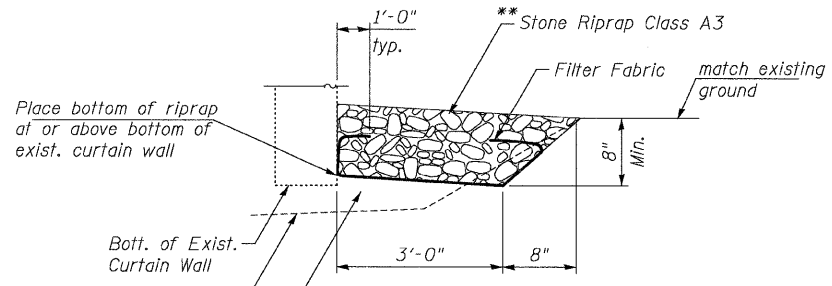
- 1 General Plan
- 2 Stage Construction Details
- 3 Concrete Removal Details
- 4-5 Superstructure Details
- 6 Preformed Joint Strip Seal
- 7 Side Retainer Details
- 8 Abutment Repair Details
- 9 Bar Splicer Details



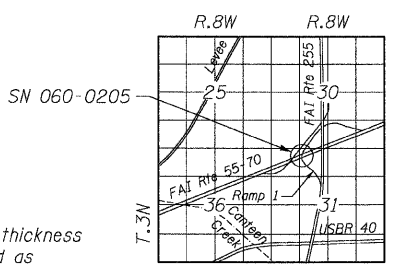
**ELEVATION**



**PLAN**



**SECTION A-A**



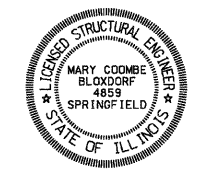
**LOCATION SKETCH**

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Curb Repair	Foot	14		14
Controlled Low Strength Material	Cu. Yd.	8		8
Concrete Removal	Cu. Yd.	23.5		23.5
Concrete Superstructure	Cu. Yd.	23.5		23.5
Reinforcement Bars, Epoxy Coated	Pound	4900		4900
Bar Splicers	Each	48		48
Preformed Joint Strip Seal	Foot	99		99
Bridge Washing No. 4	Each			1
Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.		17	17
Structural Repair of Concrete (Depth greater than 5")	Sq. Ft.		15	15
Furnishing and Erecting Structural Steel	Pound	175		175
Anchor Bolts, 1" dia.	Each	12		12
Epoxy Crack Injection	Foot	97		97
Stone Riprap Class A3	Sq. Yd.		19	19
Filter Fabric	Sq. Yd.		19	19
Concrete Sealer	Sq. Ft.	13451	236	13687

**DESIGN SPECIFICATIONS**

1995 Seismic Retrofitting Manual for Highway Bridges

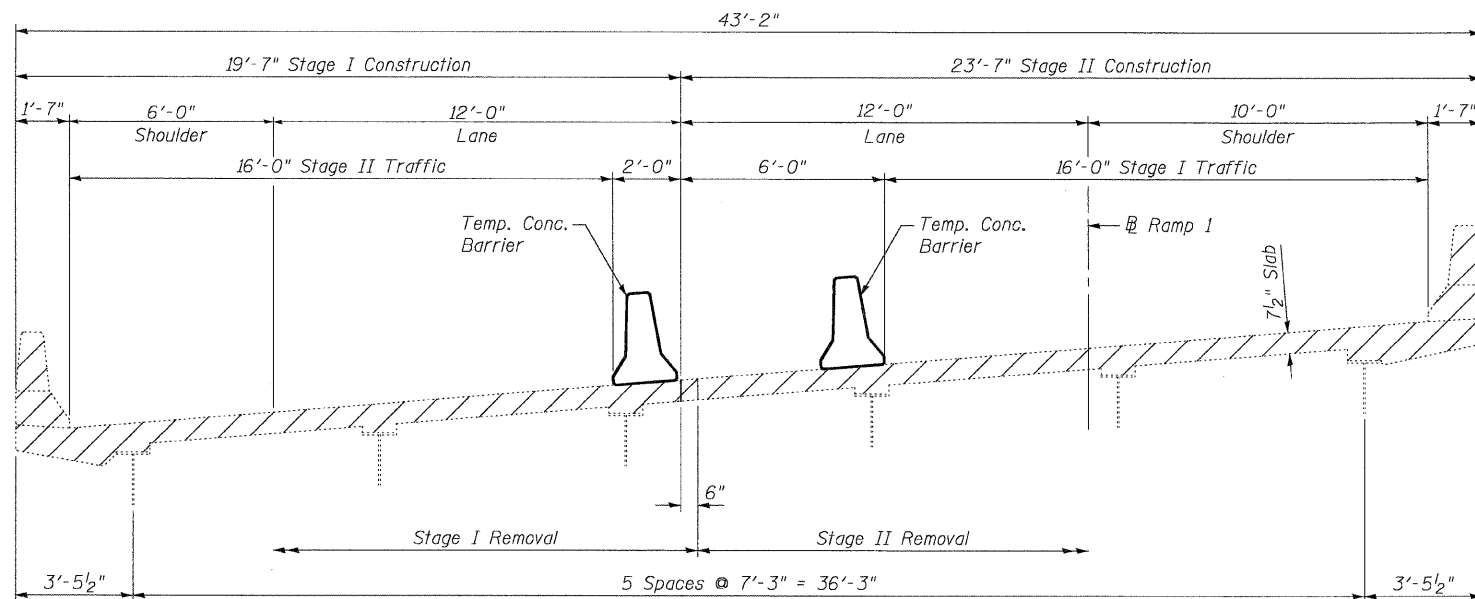


*Mary Coombe Bloxdorf*  
 ILLINOIS STRUCTURAL NO. 4859  
 EXPIRES 11/30/10  
 DATE: 9/14/09

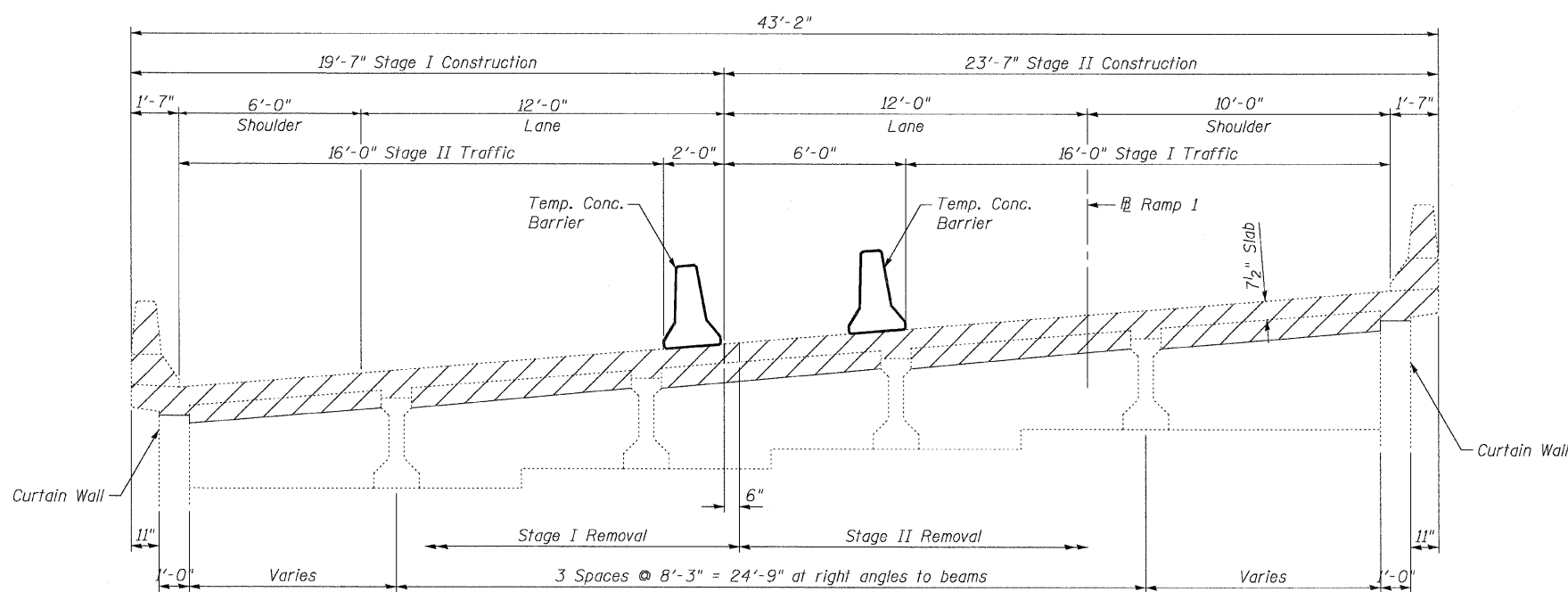
**GENERAL PLAN**  
**F.A.I. RTE. 255 RAMP 1 OVER**  
**F.A.I. RTE. 55-70**  
**STATION 140+93.87**  
**STRUCTURE NO. 060-0205**

 <b>Coombe-Bloxdorf P.C.</b> -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Design Firm License No. 184-002703	PROJECT NO. 05027-13 SCALE: DATE: 4/24/09 DESIGN BY: MCB DRAWN BY: CFC CHECKED BY: MCB	SHEET NO. 1	F.A.I. RTE. 70	SECTION 60-(5,6,7)RS, 60-(6,7)BR	COUNTY MADISON	TOTAL SHEETS 185	SHEET NO. 97
		9 SHEETS	CONTRACT NO. 76C56		ILLINOIS FED. AID PROJECT		

PLOT DATE = 09/14/2009  
 FILE NAME = I:\060205-16c56-01-general-plan.dgn  
 USER NAME = CFC



**CROSS SECTION THRU SPANS 2 & 3 AT ABUTMENT**  
(Looking South)



**CROSS SECTION THRU SPANS 1 & 4 AT ABUTMENT**  
(Looking South)

Notes:  
All cross section dimensions are radial except as noted.  
Hatched areas indicate Concrete Removal.  
See roadway plans for Temp. Concrete Barrier Details.

**STAGE CONSTRUCTION DETAILS**  
**STRUCTURE NO. 060-0205**

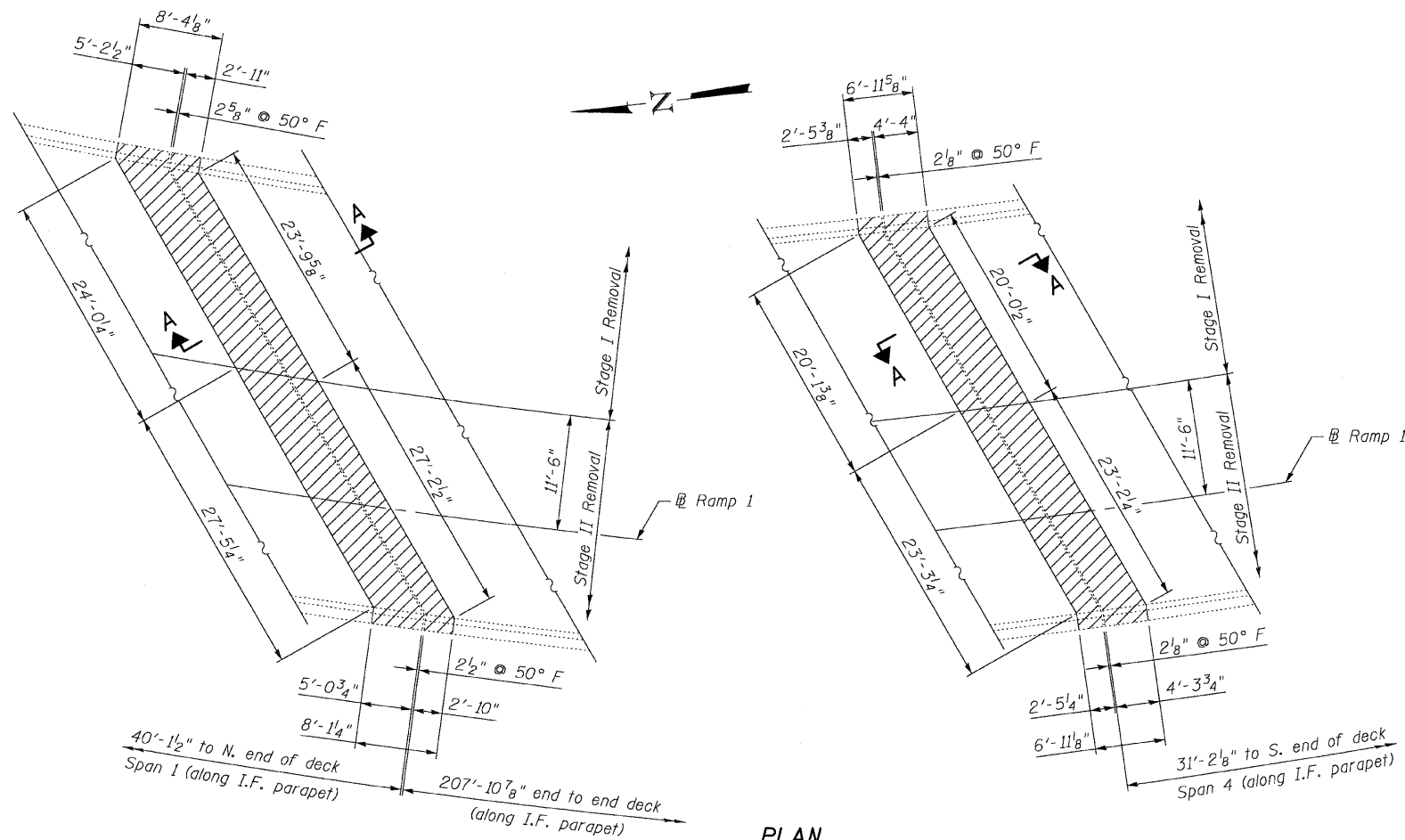
**CB** Coombe-Bloxdorf P.C.  
-CIVIL ENGINEERS-  
-STRUCTURAL ENGINEERS-  
-LAND SURVEYORS-  
Design Firm License No. 184-002703

PROJECT NO. 05027-13  
SCALE  
DATE 4/23/09  
DESIGN BY MCB  
DRAWN BY CFC  
CHECKED BY MCB

SHEET NO. 2  
9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	98
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

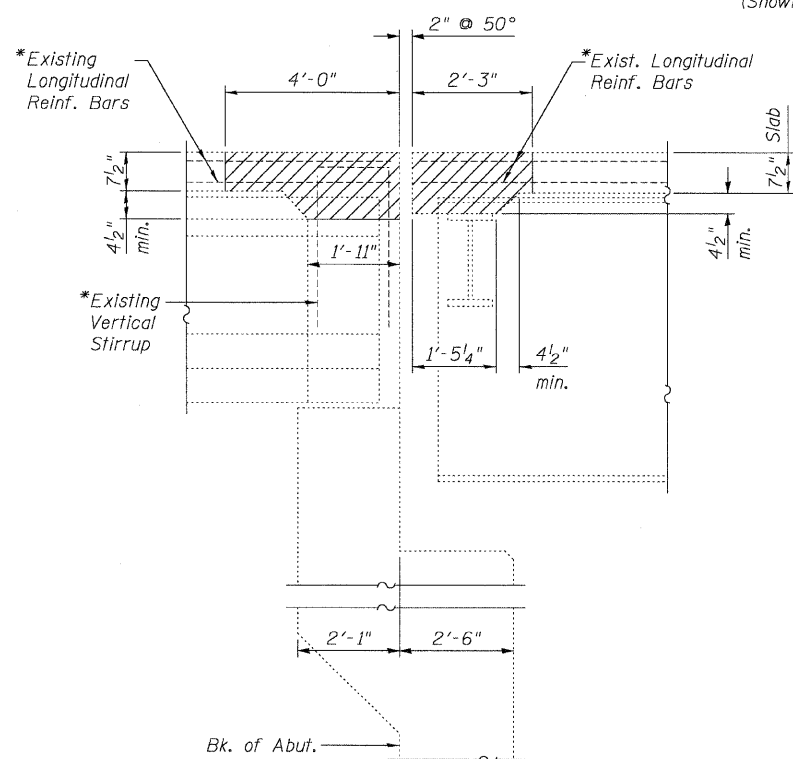
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PLOT SCALE = 1" = 10'-0"  
USER NAME = CFC



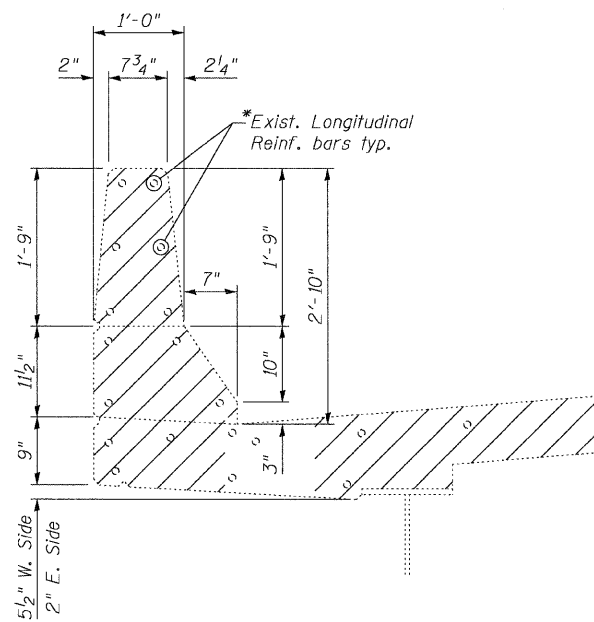
I.F. = Inside Face

**PLAN**

(Showing concrete removal)

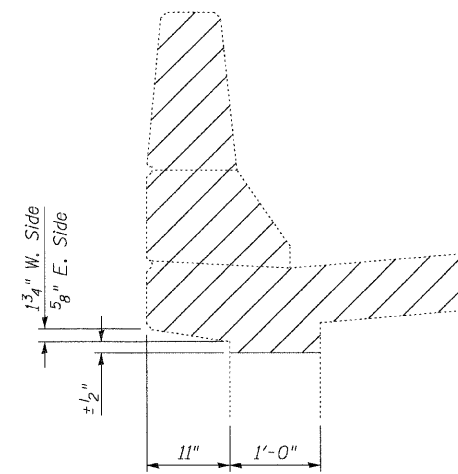


**SECTION A-A**  
(Dim at right angles)



**SECTION THRU PARAPET**

(Spans 2 & 3; Spans 1 & 4 Similar except as shown in Detail A)



**DETAIL A**

(Spans 1 & 4)

**BILL OF MATERIAL**

Item	Unit	Total
Concrete Removal	Cu. Yd.	23.5

**Notes:**

Extreme care is required for Concrete Removal around the PPC I-Beams so as to avoid damage to the beam.

Hatched areas indicate "Concrete Removal".

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

**CONCRETE REMOVAL DETAILS  
STRUCTURE NO. 060-0205**

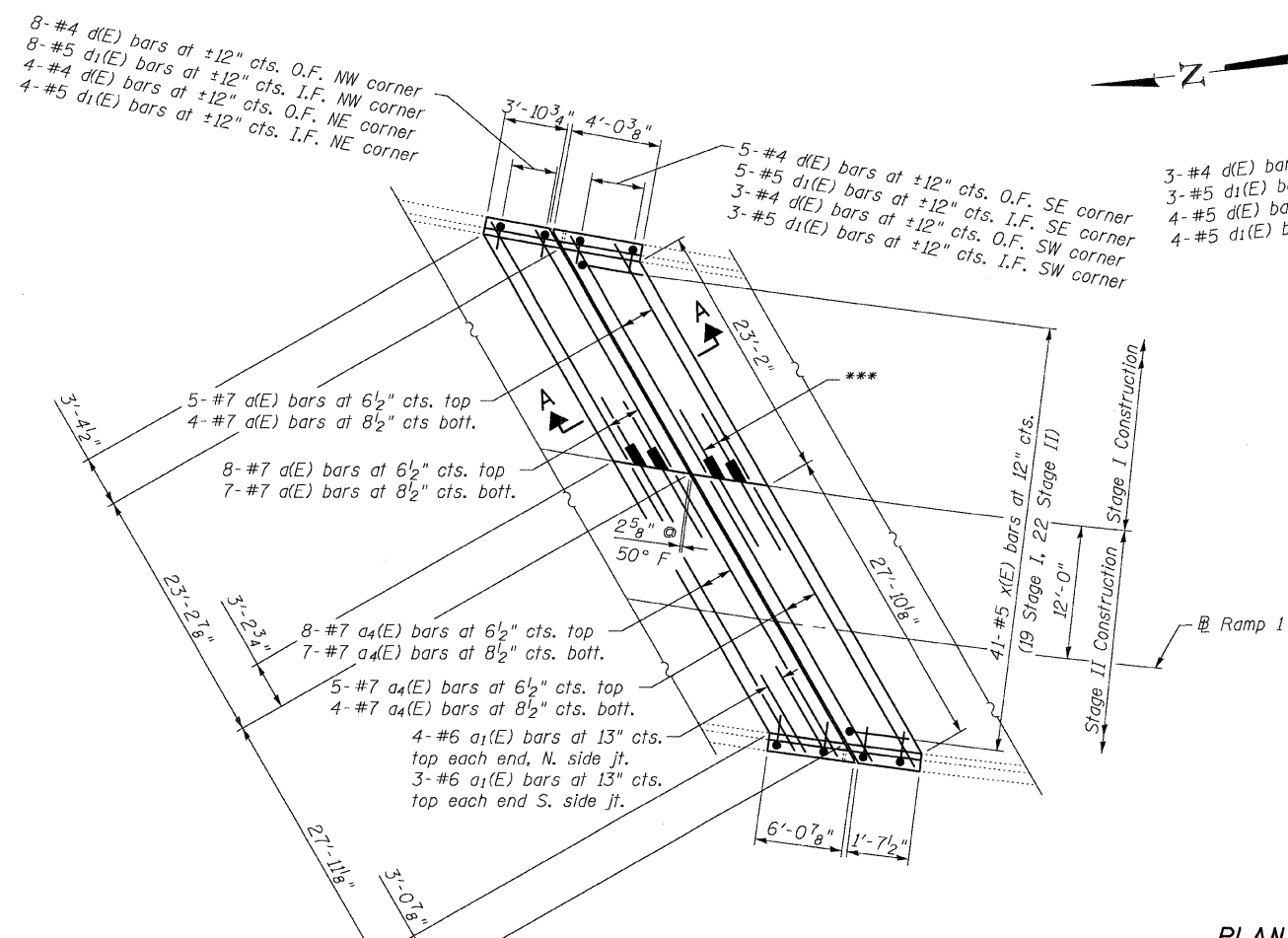
PLOT DATE = 09/14/2009  
FILE NAME = I:\0600205-16c65-03-conc-removal-detalls.dgn  
SCALE = 1" = 1'-0"  
USER NAME = CFC

**CB** Coombe-Bloxdorf P.C.  
- CIVIL ENGINEERS -  
- STRUCTURAL ENGINEERS -  
- LAND SURVEYORS -  
Design Firm License No. 184-002703

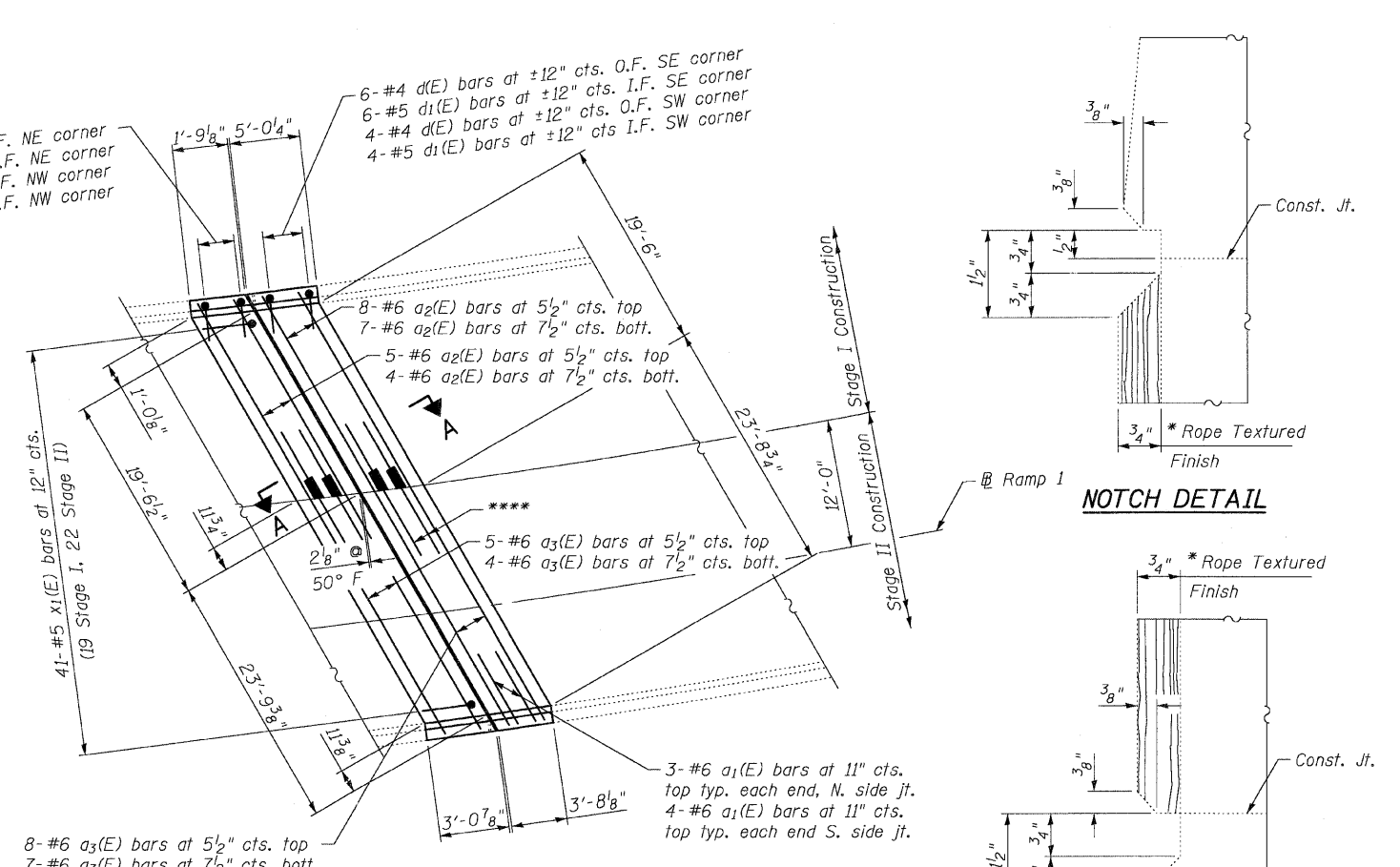
PROJECT NO.	05027-13
SCALE	
DATE	4/24/09
DESIGN BY	MCB
DRAWN BY	CFC
CHECKED BY	MCB

SHEET NO. 3  
9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60,(5,6,7)RS, 60-(6,7)BR	MADISON	185	99
CONTRACT NO. 76C56				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

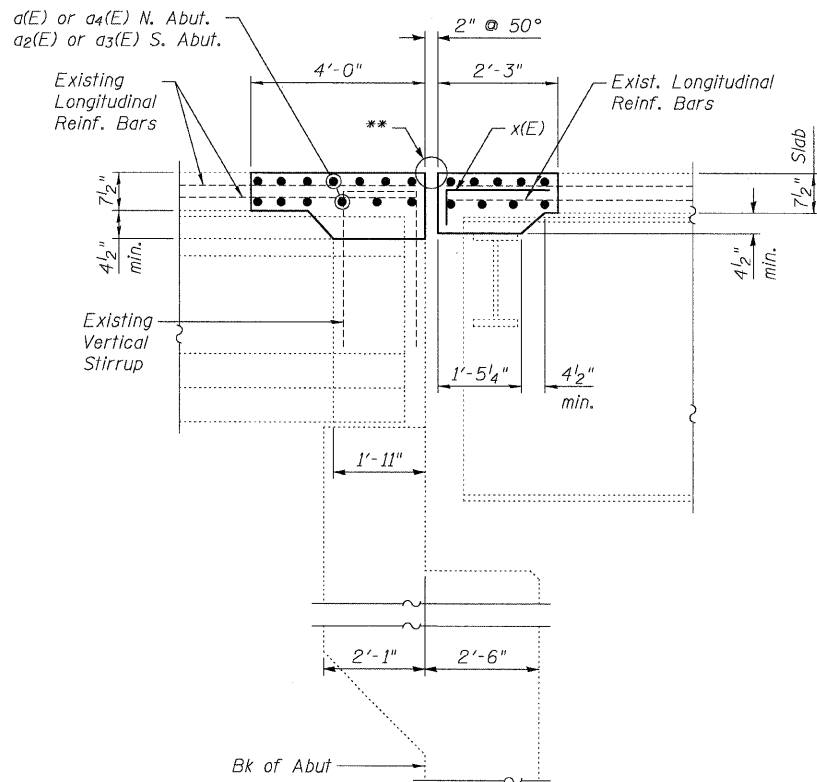


**PLAN**

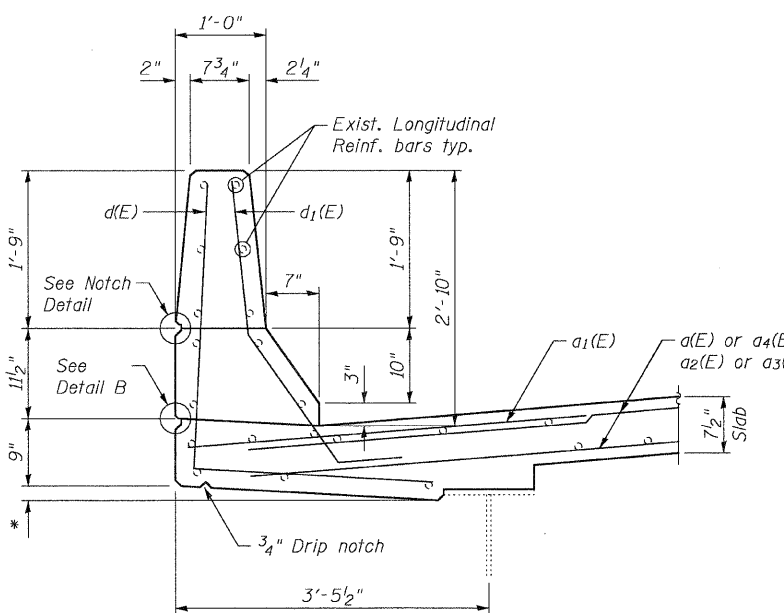


**NOTCH DETAIL**

**DETAIL B**

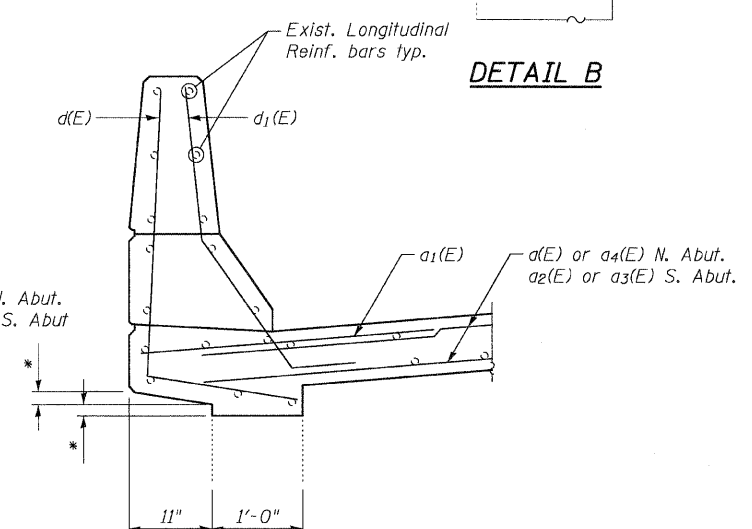


**SECTION A-A**  
(Dim at right angles)



**SECTION THRU PARAPET**

(Spans 2 & 3 shown, Spans 1 & 4 Similar except as shown in Detail A)



**DETAIL A**  
(Spans 1 & 4)

- \* Match Existing
- \*\* See sheet 7 of 10 for Preformed Joint Strip Seal
- \*\*\* 5-#7 bar splicers top  
4-#7 bar splicers bott.  
for a(E) bars S. side joint  
8-#7 bar splicers top  
7-#7 bar splicers bott.  
for a(E) bars N. side joint
- \*\*\*\* 5-#6 bar splicers top  
4-#6 bar splicers bott.  
for a<sub>2</sub>(E) bars N. side joint  
8-#6 bar splicers top  
7-#6 bar splicers bott.  
for a<sub>2</sub>(E) bars S. side joint

O.F. = Outside Face  
I.F. = Inside Face

Note:  
Cut a(E), a<sub>2</sub>(E), a<sub>3</sub>(E) and a<sub>4</sub>(E) bars to fit as necessary.  
For cross sections, Section A-A, Bar Details and Bill of Material, See Sheet 6 of 10.

PLOT DATE = 09/14/2009  
 PLOT SCALE = 1/8" = 1'-0"  
 USER NAME = CFC

**CB** Coombe-Bloxdorf P.C.  
 - CIVIL ENGINEERS -  
 - STRUCTURAL ENGINEERS -  
 - LAND SURVEYORS -  
 Design Firm License No. 184-002703

PROJECT NO.	05027-13
SCALE	
DATE	4/24/09
DESIGN BY	MCB
DRAWN BY	CFC
CHECKED BY	MCB

SHEET NO. 4	9 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		70	60,(5,6,7)RS, 60-(6,7)BR	MADISON	185	100
			CONTRACT NO. 76C56			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT			