

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	1
		ILLINOIS	CONTRACT NO. 76D87	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES & COMMITMENTS
- 3 WORK ZONE LANE RESTRICTIONS AND MIXTURE DESIGNS
- 4-8 SUMMARY OF QUANTITIES
- 9-14 TYPICAL SECTIONS
- 15-21 SCHEDULES OF QUANTITIES
- 22-24 ALIGNMENTS, TIES, AND BENCHMARKS
- 25 GENERAL LAYOUT
- 26-41 PLAN AND PROFILE SHEETS
- 42-48 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
- 49-50 STORM WATER POLLUTION PREVENTION PLAN
- 51-60 EROSION AND SEDIMENT CONTROL DETAILS
- 61-63 PIPE UNDERDRAIN PROFILES
- 64-65 INTERSECTION DETAILS
- 66-70 PAVEMENT MARKING DETAILS
- 71-77 TRAFFIC SIGNAL DETAILS
- 78-79 TRAFFIC SIGNAL DETAILS - BORING LOGS
- 80-83 LIGHTING DETAILS
- 84-100 SIGNING DETAILS
- 101-102 INTERCHANGE GRADING DETAILS
- 103-112 REMOVAL DETAILS
- 113-135 SIGN STRUCTURE PLANS
- 136-141 SIGN STRUCTURE PLANS - BORING LOGS
- 142-145 SPECIAL DETAILS
- 146-231 CROSS SECTIONS
- HIGHWAY STANDARDS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAI ROUTE 270 (INTERSTATE 270)
SECTION 60-2RS-3

I-270 / IL 3 INTERCHANGE RECONSTRUCTION
MADISON COUNTY

D-98-055-10



IDOT HIGHWAY STANDARDS

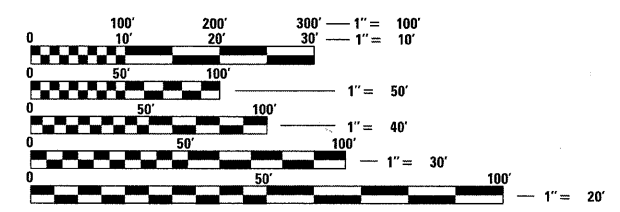
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001001-02	602601-02	635006-03	720001-01	836001
001006	602701-02	635011-02	720006-02	857001-01
280001-05	604101-01	642001-01	720011-01	873001-02
482001-02	606001-04	701101-02	720016-02	877001-04
482006-03	606301-04	701400-04	720021-02	878001-08
482011-03	630001-08	701401-05	728001-01	880006-01
542301-02	630201-06	701406-05	729001-01	886001-01
542546-01	630301-05	701421-02	780001-02	886006-01
601001-03	631011-06	701426-03	781001-03	
601101-01	631031-08	701451-01	805001-01	
602306-02	631033-03	701456	814001-02	

TRAFFIC DATA

I-270	IL 3
ADT = 54,700 (2007)	ADT = 19,100 (2009)
ADT = 68,800 (2030)	ADT = 23,500 (2030)
SU = 2.7%	SU = 7.3%
MU = 17.7%	MU = 7.6%

DESIGN DESIGNATION

FAI 270 (I-270) 65500(30) FREEWAY 7.90(FD-20)
 FAP 2 (IL 3) 18900(30) OTHER PRINCIPAL ARTERIAL 7.90(FD-20)

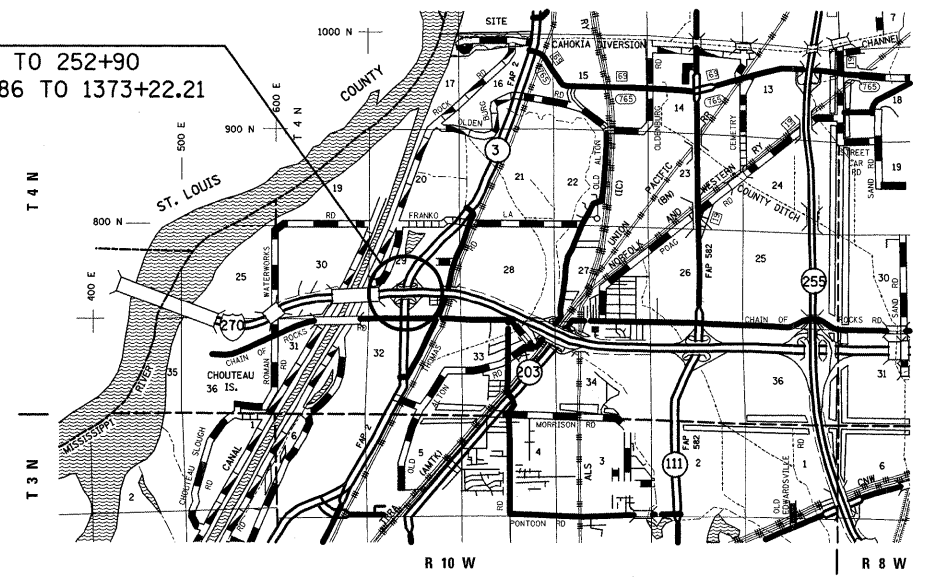


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT LOCATION

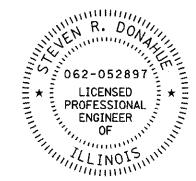
I-270 STA 225+00 TO 252+90
 IL 3 STA 1341+46.86 TO 1373+22.21



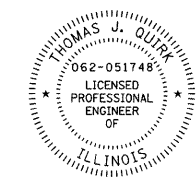
GROSS LENGTH = 0.53 MILES
 NET LENGTH = 0.53 MILES

SCALE
 1" = 1 MILE

LONGITUDE = 90.12341
 LATITUDE = 38.76732



Steven R. Donahue 3/16/10
 Steven R. Donahue, P.E.
 License Expires 11/30/2011
 My seal applies to sheets:



Thomas J. Quirk 3/16/10
 Thomas J. Quirk, P.E.
 License Expires 11/30/2011
 My seal applies to sheets:

PROJECT ENGINEER PATTI LEBEAU, P.E. 618-346-3179
PROJECT MANAGER BILLIE OWEN, P.E. 618-346-3189

CONTRACT NO. 76D87

1-60, 64-65, 71-77, 80-83, 101-102, 113-231

61-63, 66-70, 84-100, 103-112

PLANS PREPARED BY

HORNER & SHIFRIN, INC.
ENGINEERS
 640 Pierce Boulevard, Suite 200
 O'Fallon, Illinois 62269
 Phone: (618) 622-3040
 Illinois Professional Design Firm
 No. 184-000435
 License Expires 4/30/2011
 www.HornerShifrin.com

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *March 17* 20 *10*

Mary C Jamie
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

May 7 20 *10*

Scott E. Stitt P.E. /a
 acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7 20 *10*

Christine M. Reed /a
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

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GENERAL NOTES

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

AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - AMERENCIPS (ELECTRIC)
 - AMERENIP (ELECTRIC & ELECTRIC TRANSMISSION)
 - AT&T ILLINOIS
 - BUCKEYE PARTNERS L.P. - WOOD RIVER PIPELINE
 - CHARTER COMMUNICATIONS, INC.
 - CITY OF GRANITE CITY (SANITARY SEWER)
 - LEVEL 3 COMMUNICATIONS, LLC
 - MADISON COUNTY SPECIAL SERVICE AREA #1 (SANITARY SEWER)
 - MITCHELL PUBLIC WATER DISTRICT
MEMBERS OF J.U.L.I.E. (800) 892-0123 OR 811 ARE INDICATED BY *. NON-MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR I.T.S. UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 803.04 OF THE STANDARD SPECIFICATIONS.
- 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.
- 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.
- "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 FLUORESCENT ORANGE. THIS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION. THESE SIGNS SHALL BE 48" X 48".
- 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 2A, 4A	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
- 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.

- ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDD AT THE CONTRACTOR'S EXPENSE.
- 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.
- 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.
- THE ENGINEER SHALL BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.
- THE DISTRICT EIGHT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 10 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS.
- 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.
- 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.
- 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.
- 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.
- 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.
- REMOVAL AND DISPOSAL OF ANY EXPOSED EXISTING PIPE UNDERDRAIN SYSTEM SHALL BE PAID FOR WHEN ENCOUNTERED DURING CONSTRUCTION ACTIVITIES. WHERE EXISTING PIPE UNDERDRAIN SYSTEM IS NOT DISTURBED IT SHALL BE ABANDONED IN PLACE.
- 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.
- ALL TYPE III BARRICADES SHALL REQUIRE AN ADEQUATE NUMBER OF SANDBAGS PER BARRICADE TO ENSURE STABILIZATION.

- ALL TEMPORARY PAVEMENT MARKING WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- IT IS THE CONTRACTOR'S OPTION TO USE THE MATERIAL TRANSFER DEVICE (MTD). THE PAY ITEM FOR THE MTD WILL NOT BE INCLUDED IN THIS CONTRACT, IE. IT WILL NOT BE PAID FOR SEPERATELY.
- PAVEMENT MARKING REMOVAL WILL NOT BE PAID FOR SEPERATELY ON THIS PROJECT. PAVEMENT MARKING REMOVAL WILL BE INCLUDED IN THE PRICE OF PAVEMENT GROOVING AND MILLING.

PERTINENT INFORMATION

- THE BUREAU OF OPERATIONS WILL BE POSTING MESSAGES ON THE CHANGEABLE MESSAGE BOARDS AND REAL TIME DELAYS/MESSAGES ON DYNAMIC MESSAGE SIGNS. CONTACT JEFF ABEL AT (618) 346-3283.
- TWO WEEKS PRIOR TO THE RAMP CLOSING, USE CHANGEABLE MESSAGE SIGNS TO ALERT TRAVELING PUBLIC.
- THE CONTRACTOR SHALL SUBMIT A CONTINGENCY PLAN FOR TRAFFIC CONTROL AT LEAST TWO WEEKS PRIOR TO THE PRECONSTRUCTION CONFERENCE. SEE TRAFFIC CONTROL SPECIAL PROVISION FOR ADDITIONAL INFORMATION.

COMMITMENTS

NONE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



GENERAL NOTES & COMMITMENTS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	2
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

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\$SUBDATES	PLOT DATE = 3/19/2010	DATE -	REVISED -

I-270 EASTBOUND WORK ZONE LANE RESTRICTIONS

SUNDAY			MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY		
WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED		WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED		WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED		WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED		WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED		WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED		WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED	WORK ALLOWED
12A 4A 8A	12P 4P 8P		12A 4A 8A	12P 4P 8P		12A 4A 8A	12P 4P 8P		12A 4A 8A	12P 4P 8P		12A 4A 8A	12P 4P 8P		12A 4A 8A	12P 4P 8P		12A 4A 8A	12P 4P 8P	12A 4A 8A 12P 4P 8P 12A

I-270 WESTBOUND WORK ZONE LANE RESTRICTIONS

SUNDAY			MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY		
WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED		WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED		WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED		WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED		WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED		WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED		WORK ALLOWED	NO LANE RESTRICTIONS ALLOWED	WORK ALLOWED
12A 6A	12P 6P		12A 6A	12P 6P		12A 6A	12P 6P		12A 6A	12P 6P		12A 6A	12P 6P		12A 6A	12P 6P		12A 6A	12P 6P	12A 6A 12P 6P 12A

HMA MIXTURE DESIGNS

LOCATION:	I-270, IL 3 & RAMPS	I-270, IL 3 & RAMPS
MIXTURE USE(S):	POLYMERIZED SURFACE	POLYMERIZED BINDER
AC/PG:	SBS PG 76-22	SBS PG 76-22
RAP% (MAX): **	SEE SPECIAL PROV.	SEE SPECIAL PROV.
DESIGN AIR VOIDS:	4.0 % @ Ndes = 80	4.0 % @ Ndes = 90
MIXTURE COMPOSITION: (GRADATION MIXTURE)		IL 19.0
FRICTION AGGREGATE	SMA	MIXTURE "B"

LOCATION:	I-270, IL 3 & RAMPS	I-270, IL 3 & RAMPS
MIXTURE USE(S):	BINDER	HMA SHOULDERS
AC/PG:	PG 64-22	PG 64-22
RAP% (MAX): **	SEE SPECIAL PROV.	SEE CONTRACT RAP
DESIGN AIR VOIDS:	4.0 % @ Ndes = 90	SPECIAL PROVISION
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0	
FRICTION AGGREGATE	MIXTURE "B"	BAM

LOCATION:	I-270, IL 3 & RAMPS	
MIXTURE USE(S):	TOP LIFT SHOULDERS **	
AC/PG:	SEE CONTRACT RAP	
RAP% (MAX): **	SPECIAL PROVISION	
DESIGN AIR VOIDS:	**2.0 % @ Ndes = 30	
MIXTURE COMPOSITION: (GRADATION MIXTURE)		
FRICTION AGGREGATE	BAM	

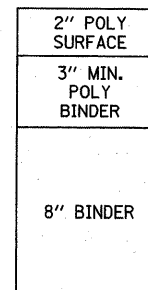
** TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0 % AIR VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5 %.

NOTES:

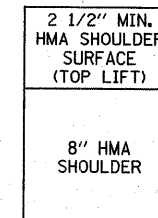
- IL ROUTE 3 PEAK HOUR RESTRICTIONS:
NO LANE CLOSURES ARE PERMITTED ON SOUTHBOUND IL 3 FROM 6 AM TO 9 AM.
NO LANE CLOSURES ARE PERMITTED ON NORTHBOUND IL 3 FROM 3 PM TO 6 PM.
- RAMPS WILL BE INCLUDED IN I-270 PEAK HOUR RESTRICTIONS-BASED ON TRAFFIC FLOW.
- A CALENDAR DAY SHALL BE DEFINED AS THE TIME PERIODS SHOWN IN THE ABOVE CHARTS MARKED AS "WORK ALLOWED". IF THE CONTRACTOR WORKS IN BOTH DIRECTIONS WITHIN THE SAME TIMEFRAME, ONLY ONE CALENDAR DAY WILL BE CHARGED.
- ITEMS SUCH AS DETOUR SIGNING, ELECTRICAL WORK, ETC. CAN BE DONE DURING "NO LANE RESTRICTIONS ALLOWED" TIME PERIODS, PROVIDED LANE RESTRICTIONS ARE NOT USED.

HMA MIXTURE DIAGRAMS

13" HMA PAVEMENT (FULL DEPTH)



10 1/2" HMA SHOULDER



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HORNER &
SHIFRIN, INC.
ENGINEERS**

**WORK ZONE LANE RESTRICTIONS &
MIXTURE DESIGNS**

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 3
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SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

CONTRACT NO. 76D87
ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	100% STATE TOTAL QUANTITIES	ROADWAY I000-2A	LIGHTING Y030-1E	TRAFFIC SIGNALS Y031-1F	OVERHEAD SIGNS Y002-1C
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	147	147			
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	374	374			
20200100	EARTH EXCAVATION	CU YD	48785	48785			
20800150	TRENCH BACKFILL	CU YD	331	331			
25000210	SEEDING, CLASS 2A	ACRE	14.75	14.75			
25000312	SEEDING, CLASS 4A	ACRE	9.75	9.75			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2286	2286			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2286	2286			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2286	2286			
25000700	AGRICULTURAL GROUND LIMESTONE	TON	48.6	48.6			
25100115	MULCH, METHOD 2	ACRE	73.25	73.25			
25100630	EROSION CONTROL BLANKET	SQ YD	11024	11024			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	4892	4892			
28000305	TEMPORARY DITCH CHECKS	FOOT	1562	1562			
28000400	PERIMETER EROSION BARRIER	FOOT	2709	2709			
28000500	INLET AND PIPE PROTECTION	EACH	12	12			
28200200	FILTER FABRIC	SQ YD	641	641			
28300400	AGGREGATE DITCH	TON	921	921			
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	15320	15320			
30201500	LIME	TON	306.5	306.5			
31101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	930	930			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	27.5	27.5			
40600300	AGGREGATE (PRIME COAT)	TON	83.3	83.3			
40600895	CONSTRUCTING TEST STRIP	EACH	4	4			
40600990	TEMPORARY RAMP	SQ YD	427	427			
40603153	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	TON	2082	2082			
40701941	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13"	SQ YD	9016	9016			
42001300	PROTECTIVE COAT	SQ YD	115	115			
44000100	PAVEMENT REMOVAL	SQ YD	9995	9995			
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	26022	26022			
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1453	1453			
44004250	PAVED SHOULDER REMOVAL	SQ YD	8167	8167			
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1269	1269			
48101200	AGGREGATE SHOULDERS, TYPE B	TON	211	211			
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1706	1706			
48203039	HOT-MIX ASPHALT SHOULDERS, 10 1/2"	SQ YD	5192	5192			

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		ROADWAY I000-2A	LIGHTING Y030-1E	TRAFFIC SIGNALS Y031-1F	OVERHEAD SIGNS Y002-1C
48203100	HOT-MIX ASPHALT SHOULDERS	TON	985	985			
50104400	CONCRETE HEADWALL REMOVAL	EACH	17	17			
50105220	PIPE CULVERT REMOVAL	FOOT	387	387			
50800105	REINFORCEMENT BARS	POUND	215	215			
54213447	END SECTIONS 12"	EACH	1	1			
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	5	5			
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	6	6			
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	2	2			
54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	EACH	2	2			
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	2	2			
54248510	CONCRETE COLLAR	CU YD	4.2	4.2			
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	63	63			
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	74	74			
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	90	90			
542A1909	PIPE CULVERTS, CLASS A, TYPE 3 24"	FOOT	7	7			
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	50	50			
542A5491	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	48	48			
542C0217	PIPE CULVERTS, CLASS C, TYPE 1 12"	FOOT	26	26			
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	166	166			
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	97	97			
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	26	26			
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	11	11			
60107600	PIPE UNDERDRAINS 4"	FOOT	4276	4276			
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	218	218			
60108300	PIPE UNDERDRAINS 8" (SPECIAL)	FOOT	800	800			
60224000	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 5 FRAME, CLOSED LID	EACH	1	1			
60603701	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06 (SPECIAL)	FOOT	53	53			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	41	41			
60611700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)	FOOT	45	45			
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	694	694			
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	2813	2813			
* 63000005	STEEL PLATE BEAM GUARD RAIL, TYPE B	FOOT	100	100			
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	9	9			

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		ROADWAY I000-2A	LIGHTING Y030-1E	TRAFFIC SIGNALS Y031-1F	OVERHEAD SIGNS Y002-1C
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1			
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	4	4			
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	14	14			
63200310	GUARDRAIL REMOVAL	FOOT	3130	3130			
63500105	DELINEATORS	EACH	52	52			
63500120	DELINEATOR REMOVAL	EACH	120	120			
64200105	SHOULDER RUMBLE STRIPS	FOOT	7807	7807			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18			
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	18	18			
67100100	MOBILIZATION	L SUM	1	1			
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1			
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1			
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1			
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1	1			
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1			
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30	30			
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	234	234			
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	4236	4236			
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	352	352			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	45458	45458			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	7530	7530			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	100	100			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	126	126			
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	22723	22723			
72000100	SIGN PANEL - TYPE 1	SQ FT	122	122			
72000200	SIGN PANEL - TYPE 2	SQ FT	360	360			
72000300	SIGN PANEL - TYPE 3	SQ FT	2461	790			1671
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	7	7			
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	21	21			
* 72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	919	599			320
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	1848	1848			
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	217	217			
73000100	WOOD SIGN SUPPORT	FOOT	427	427			
73300100	OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	286				286
73302210	OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")	FOOT	35				35

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		ROADWAY I000-2A	LIGHTING Y030-1E	TRAFFIC SIGNALS Y031-1F	OVERHEAD SIGNS Y002-1C
73305000	OVERHEAD SIGN STRUCTURE WALKWAY	FOOT	188				188
73400100	CONCRETE FOUNDATIONS	CU YD	105.2	5.2			100
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	31.6				31.6
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	3	3			
73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	2	2			
73700100	REMOVE GROUND-MOUNTED SIGN SUPPORT	EACH	2	2			
73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	2	2			
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	8	8			
78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	FOOT	2791	2791			
78003140	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	FOOT	1667	1667			
78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	SQ FT	176	176			
* 78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	19938	19938			
78004240	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 8"	FOOT	2098	2098			
78004250	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"	FOOT	50	50			
78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	63	63			
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	321	321			
78200300	PRISMATIC CURB REFLECTOR	EACH	18	18			
78200410	GUARDRAIL MARKERS, TYPE A	EACH	63	63			
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	14	14			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	160	160			
80300100	LOCATING UNDERGROUND CABLE	FOOT	3100	2900	200		
80500100	SERVICE INSTALLATION, TYPE A	EACH	1			1	
81000300	CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	169		169		
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	2106		1320	786	
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	1132			1132	
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	71			71	
* 81018200	CONDUIT PUSHED, 1" DIA., GALVANIZED STEEL	FOOT	111		111		
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	172			172	
81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	132			132	
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	7		7		
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	12			12	
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1			1	
81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	1314			1314	

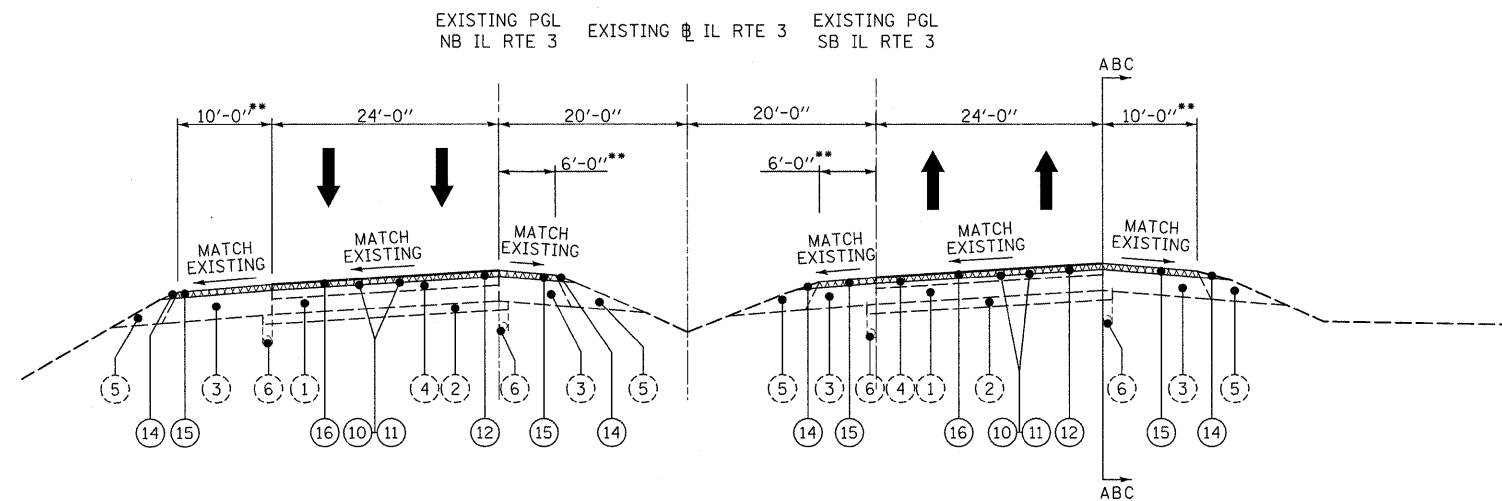
*SPECIALTY ITEMS

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			270	60-2RS-3	MADISON	231	7	
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	PLOT DATE = #DATE#	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

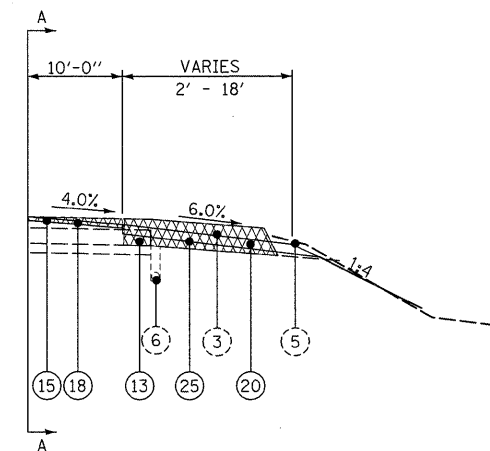
SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		ROADWAY I000-2A	LIGHTING Y030-1E	TRAFFIC SIGNALS Y031-1F	OVERHEAD SIGNS Y002-1C
81702415	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6	FOOT	1500		1500		
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	3479		1500	1979	
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	8		8		
83007400	LIGHT POLE, ALUMINUM, 35 FT. M.H., 10 FT. MAST ARM	EACH	6		6		
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	33		33		
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	6		6		
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	10		10		
84200804	REMOVAL OF POLE FOUNDATION	EACH	9		9		
* 86300400	CONTROLLER CABINET TYPE IV	EACH	1			1	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2306			2306	
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2679			2679	
87500900	TRAFFIC SIGNAL POST, 13 FT.	EACH	2			2	
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1			1	
87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	2			2	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6			6	
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3			3	
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39			39	
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4			4	
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6			6	
88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	6			6	
88600100	DETECTOR LOOP, TYPE I	FOOT	512			512	
X0301271	REMOVE EXISTING UNDERDRAINS	FOOT	10024	10024			
X0301894	REMOVE AND REINSTALL CONCRETE HEADWALL FOR PIPE UNDERDRAIN	EACH	3	3			
X0325279	CLASS SI CONCRETE (MISCELLANEOUS)	CU YD	5	5			
X0325702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1			
X6013700	PIPE UNDERDRAIN REMOVAL (SPECIAL)	FOOT	265	265			
X6013820	PIPE UNDERDRAIN OUTLET EXTENSION SPECIAL	EACH	3	3			
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	18			18	
X7030070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	2791	2791			
X7030076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	1667	1667			
* X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	2800			2800	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
Z0036200	PAINT CURB	FOOT	139	139			

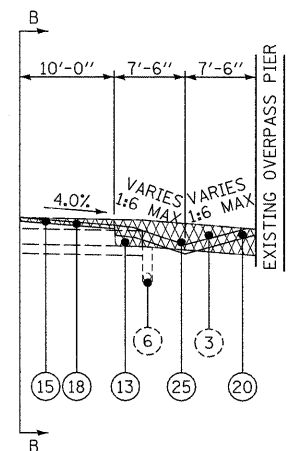
*SPECIALTY ITEMS



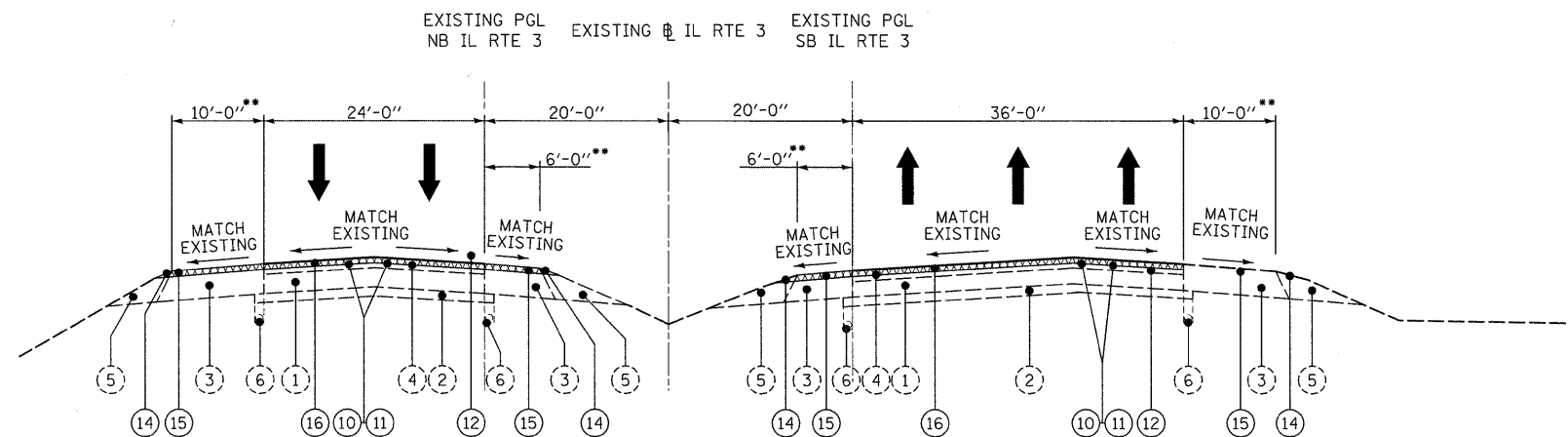
IL RTE 3
SUPERELEVATED SECTION
STA 1341+09.00 TO STA 1368+81.60



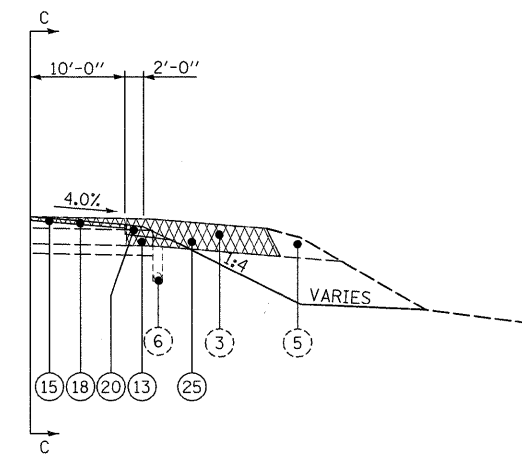
IL RTE 3 SECTION A-A
WEAVING LANE REMOVAL SECTION
STA. 1357+93 TO STA. 1360+09.70



IL RTE 3 SECTION B-B
WEAVING LANE REMOVAL SECTION
STA. 1360+09.70 TO STA. 1360+50.00



IL RTE 3
NORMAL CROWN SECTION
STA. 1372+58.85 TO STA. 1373+22.21



IL RTE 3 SECTION C-C
WEAVING LANE REMOVAL SECTION
STA. 1360+50.00 TO STA. 1364+79.21

** SHOULDER WIDTHS SHOWN ON THE TYPICALS ARE THEORETICAL SHOULDER WIDTHS. ACTUAL SHOULDER WIDTHS SHALL MATCH EXISTING CONDITIONS UNLESS OTHERWISE SPECIFIED.

LEGEND

- | | | |
|--|---|---|
| ① EXISTING P.C.C. CONCRETE | ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT) | ⑱ PROPOSED HOT-MIX ASPHALT SHOULDERS 10 1/2" |
| ② EXISTING SUB-BASE GRANULAR MATERIAL TYPE A | ⑪ PROPOSED AGGREGATE (PRIME COAT) | ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS 10 1/2" |
| ③ EXISTING HMA SHOULDERS | ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 2" | ⑳ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6" |
| ④ EXISTING HMA SURFACE | ⑬ PROPOSED PAVEMENT REMOVAL | ㉑ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C |
| ⑤ EXISTING AGGREGATE SHOULDERS | ⑭ PROPOSED AGGREGATE SHOULDERS, TYPE B | ㉒ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13" |
| ⑥ EXISTING PIPE UNDERDRAIN | ⑮ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2" | ㉓ PROPOSED LIME MODIFIED SOIL - 12" |
| ⑦ EXISTING GUARDRAIL | ⑯ PROPOSED HOT-MIX SURFACE REMOVAL, 2" | ㉔ PROPOSED GUARDRAIL (SEE PLANS FOR LOCATIONS) |
| | ⑰ PROPOSED PIPE UNDERDRAINS, 4" | ㉕ PROPOSED PAVED SHOULDER REMOVAL |
| | | ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT |

STRUCTURAL PAVEMENT DESIGN INFORMATION			
FAI ROUTE 270 (I-270)			
STRUCTURAL DESIGN TRAFFIC:	3850	YEAR 2020	
PV =	2988	SU =	250
		MU =	612
ROAD/STREET CLASSIFICATION: INTERSTATE			
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
P =	100%	S =	100%
		M =	100%
TRAFFIC FACTOR:	ACTUAL TF=6.58	AC TYPE=	20
	MINIMUM TF= 7.90		
AC GRADE:	20	BINDER=PG 64-22	SURFACE=SBS 76-22
SUBGRADE SUPPORT RATING: SSR = POOR			

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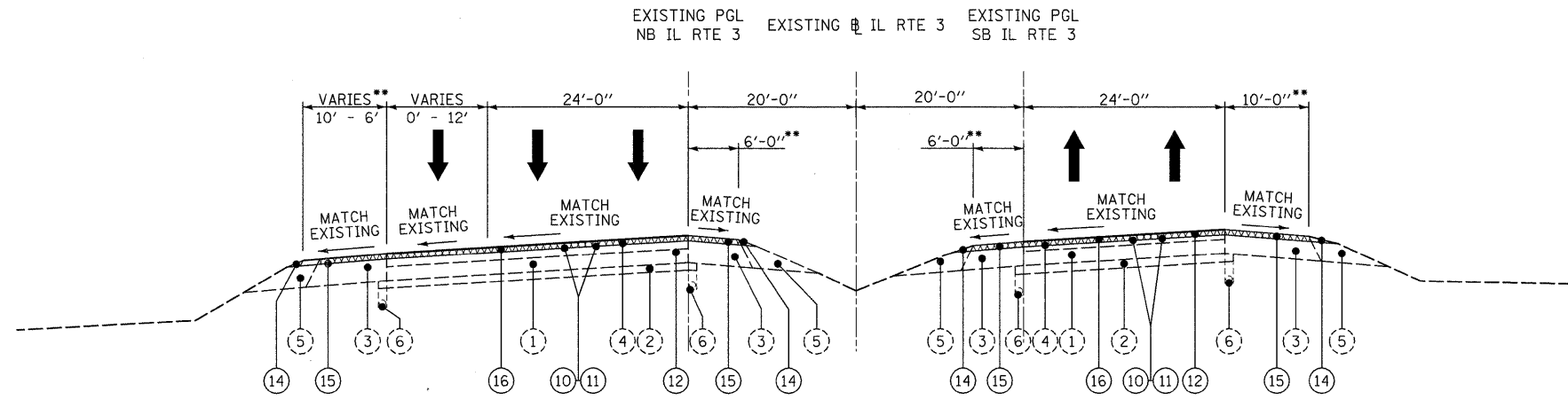
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORNER & SHIRIN, INC.
ENGINEERS

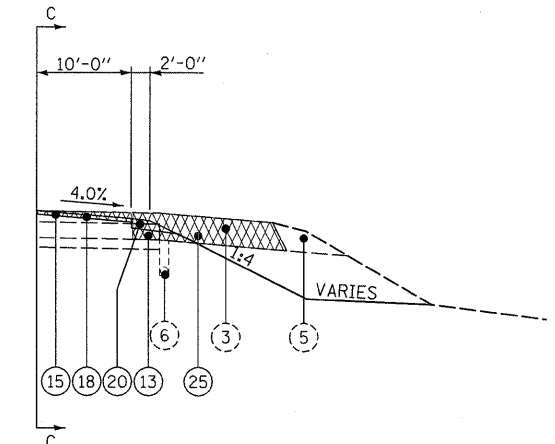
TYPICAL SECTIONS
ILLINOIS ROUTE 3

SCALE: NONE SHEET NO. 1 OF 6 SHEETS STA. TO STA.

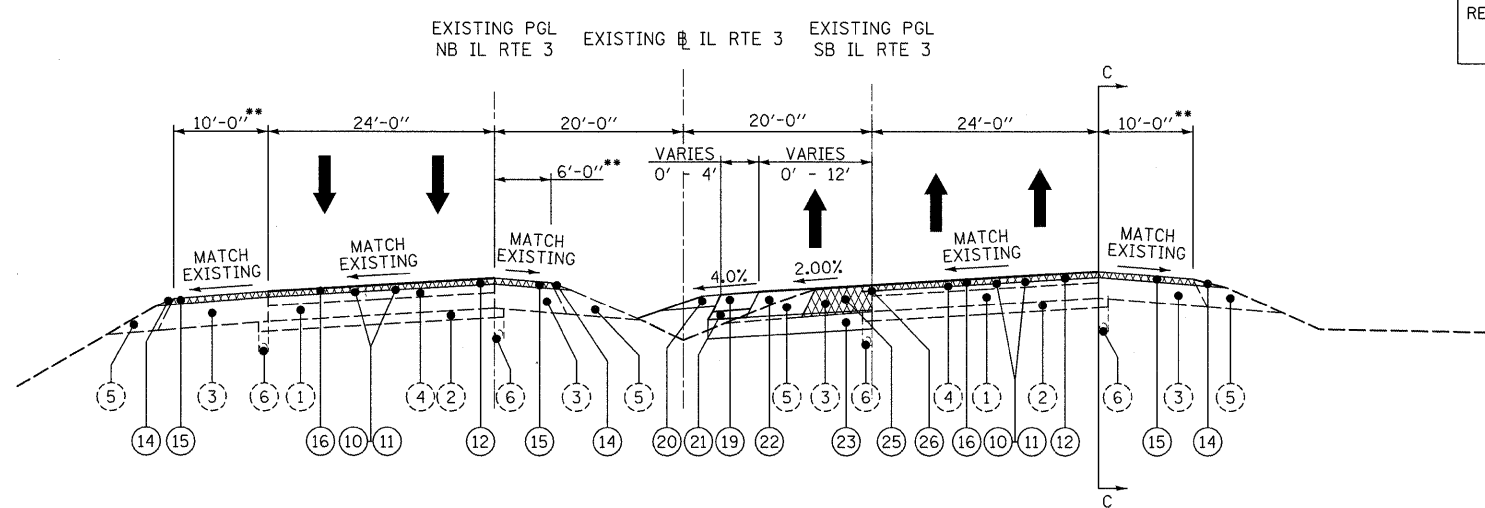
F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 9
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



IL RTE 3
RIGHT TURN LANE SECTION
STA. 1341+46.86 TO STA. 1348+09.00

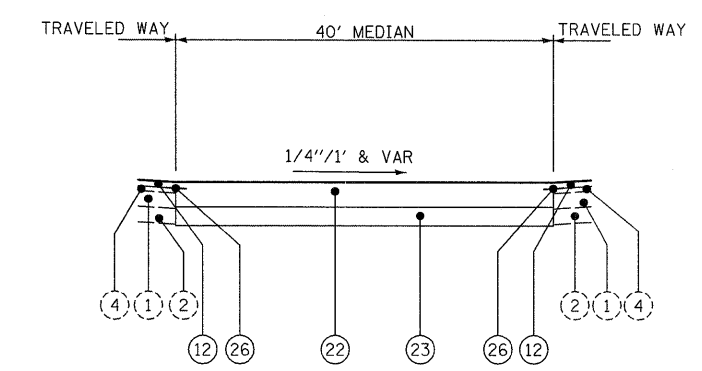


IL RTE 3 SECTION C-C
WEAVING LANE REMOVAL SECTION
STA. 1360+50.00 TO STA. 1364+79.21



IL RTE 3
LEFT TURN LANE SECTION
STA. 1362+33.40 TO STA. 1367+49.13

REFER TO THE INTERSECTION
DETAILS FOR CROSSOVER
SLOPES AND ELEVATIONS



IL RTE 3 PROPOSED MAINLINE
SECTION ALONG MEDIAN OPENING C

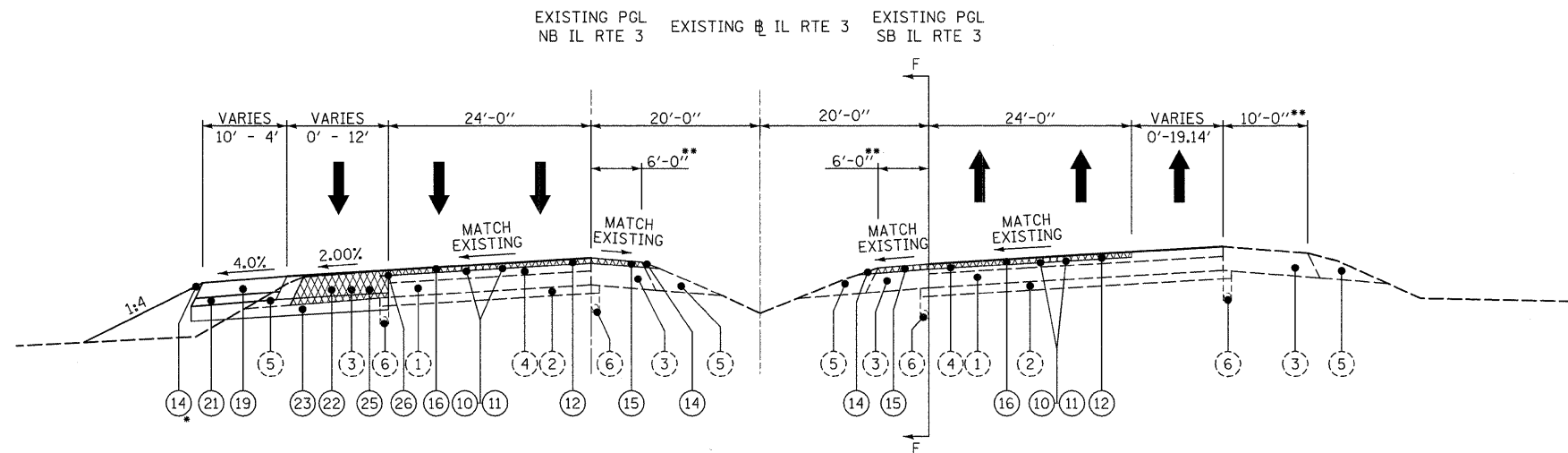
** SHOULDER WIDTHS SHOWN ON THE TYPICALS
ARE THEORETICAL SHOULDER WIDTHS. ACTUAL
SHOULDER WIDTHS SHALL MATCH EXISTING
CONDITIONS UNLESS OTHERWISE SPECIFIED.

LEGEND

- ① EXISTING P.C.C. CONCRETE
- ② EXISTING SUB-BASE GRANULAR MATERIAL TYPE A
- ③ EXISTING HMA SHOULDERS
- ④ EXISTING HMA SURFACE
- ⑤ EXISTING AGGREGATE SHOULDERS
- ⑥ EXISTING PIPE UNDERDRAIN
- ⑦ EXISTING GUARDRAIL
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED AGGREGATE (PRIME COAT)
- ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 2"
- ⑬ PROPOSED PAVEMENT REMOVAL
- ⑭ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ⑮ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2"
- ⑯ PROPOSED HOT-MIX SURFACE REMOVAL, 2"
- ⑰ PROPOSED PIPE UNDERDRAINS, 4"
- ⑱ PROPOSED HOT-MIX ASPHALT SHOULDERS 10 1/2"
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS 10 1/2"
- ⑳ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"
- ㉑ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C
- ㉒ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13"
- ㉓ PROPOSED LIME MODIFIED SOIL - 12"
- ㉔ PROPOSED GUARDRAIL (SEE PLANS FOR LOCATIONS)
- ㉕ PROPOSED PAVED SHOULDER REMOVAL
- ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT

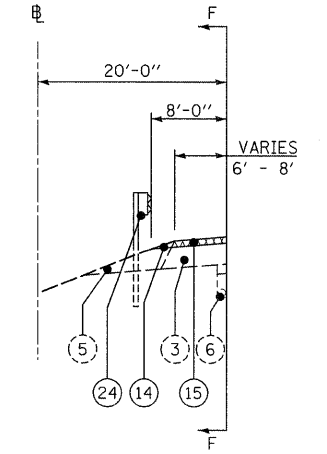
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11\0906600\0906601\oad\1\plans\004_087\087-Sht-Typical.dgn	EDB7-Sht-Typical.dgn	DRAWN -	REVISED -				270	60-2RS-3	MADISON	231	10
PLOT SCALE = 10.0005' / IN.	CHECKED -	REVISED -	REVISED -				CONTRACT NO. 76D87				
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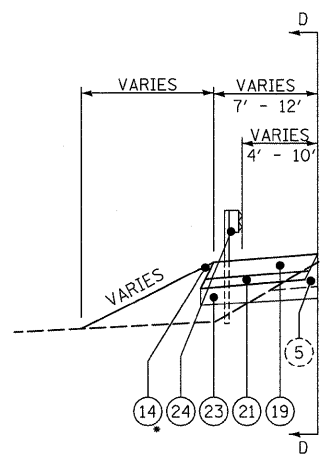


IL RTE 3
 RIGHT TURN LANE SECTION
 STA. 1367+36.38 TO STA. 1368+81.60

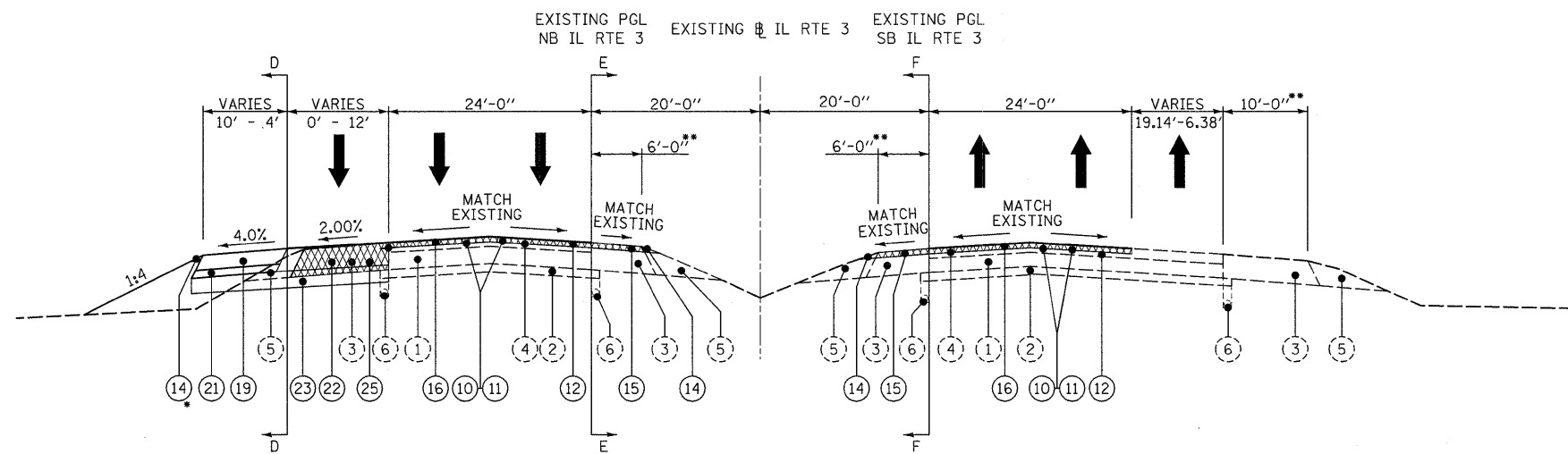
• AGGREGATE SHOULDER SHOULD BE (20) WHERE A 6' WIDE ASPHALT SHOULDER IS PRESENT



IL RTE 3 SECTION F-F
 GUARDRAIL SECTION
 STA 3168+05.46 TO STA 31270+42.83

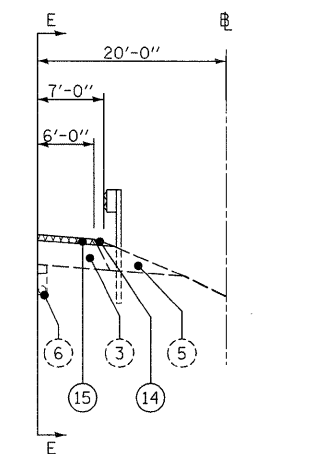


IL RTE 3 SECTION D-D
 GUARDRAIL SECTION
 STA 3170+24.15 TO STA 31272+23.96



IL RTE 3
 RIGHT TURN LANE SECTION
 STA. 1368+81.60 TO STA. 1372+58.85

** SHOULDER WIDTHS SHOWN ON THE TYPICALS ARE THEORETICAL SHOULDER WIDTHS. ACTUAL SHOULDER WIDTHS SHALL MATCH EXISTING CONDITIONS UNLESS OTHERWISE SPECIFIED.



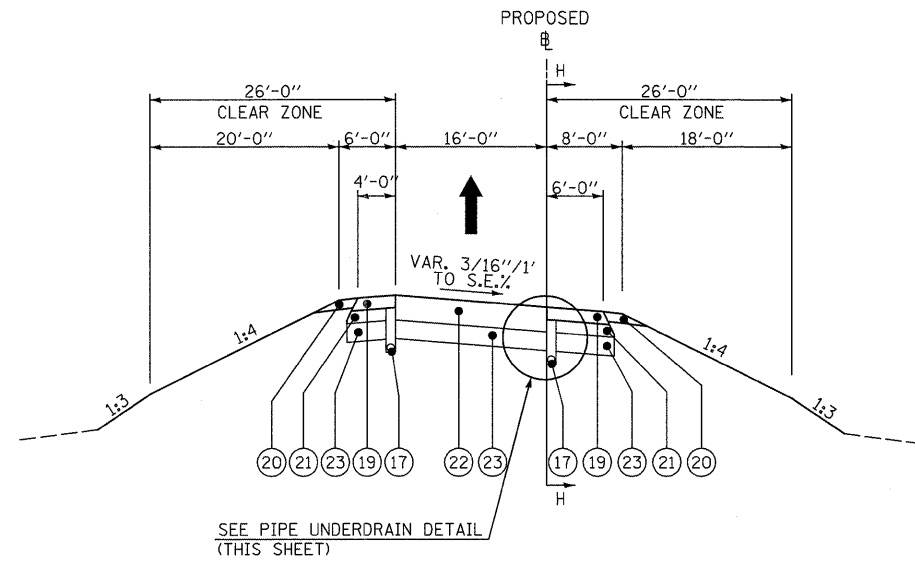
IL RTE 3 SECTION E-E
 GUARDRAIL SECTION
 STA 3170+24.15 TO STA 31272+23.96

LEGEND

- (1) EXISTING P.C.C. CONCRETE
- (2) EXISTING SUB-BASE GRANULAR MATERIAL TYPE A
- (3) EXISTING HMA SHOULDERS
- (4) EXISTING HMA SURFACE
- (5) EXISTING AGGREGATE SHOULDERS
- (6) EXISTING PIPE UNDERDRAIN
- (7) EXISTING GUARDRAIL
- (10) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- (11) PROPOSED AGGREGATE (PRIME COAT)
- (12) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 2"
- (13) PROPOSED PAVEMENT REMOVAL
- (14) PROPOSED AGGREGATE SHOULDERS, TYPE B
- (15) PROPOSED HOT-MIX ASPHALT SHOULDERS, 2"
- (16) PROPOSED HOT-MIX SURFACE REMOVAL, 2"
- (17) PROPOSED PIPE UNDERDRAINS, 4"
- (18) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (19) PROPOSED HOT-MIX ASPHALT SHOULDERS 10 1/2"
- (20) PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"
- (21) PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C
- (22) PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13"
- (23) PROPOSED LIME MODIFIED SOIL - 12"
- (24) PROPOSED GUARDRAIL (SEE PLANS FOR LOCATIONS)
- (25) PROPOSED PAVED SHOULDER REMOVAL
- (26) STRIP REFLECTIVE CRACK CONTROL TREATMENT

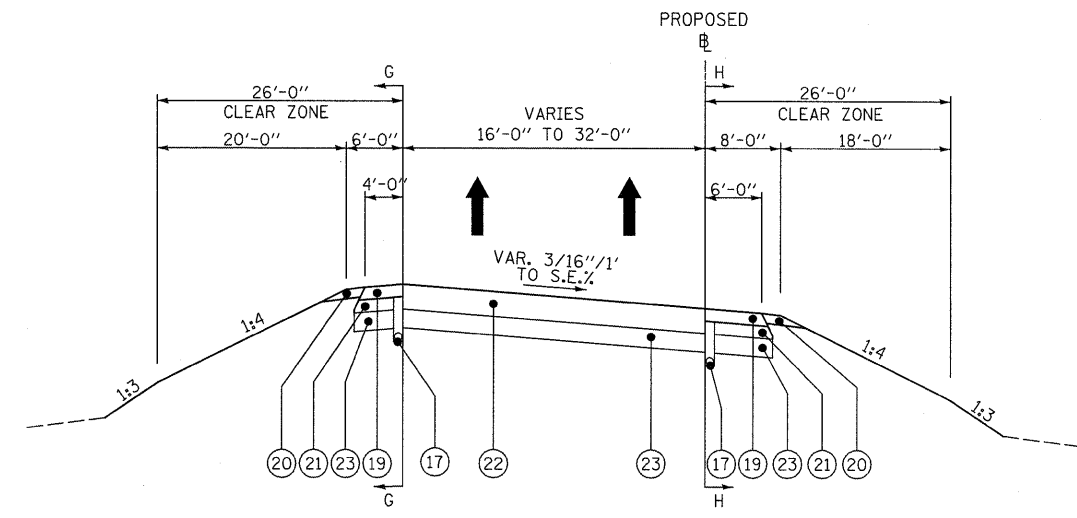
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PLOT SCALE = 10.0005' / IN.	CHECKED -	REVISED -	SCALE: NONE			SHEET NO. 3 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 76D87						
PLOT DATE = 3/16/2010 4:37:52 PM	DATE -	REVISED -	ILLINOIS FED. AID PROJECT											



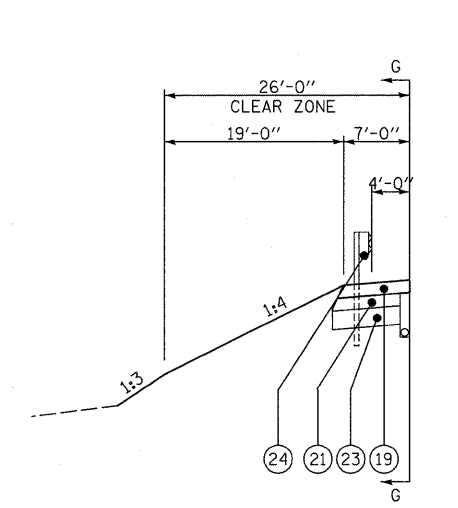
RAMP TYPICAL SECTION

RAMP P5
 STA 31256+83 TO STA 31264+32
 STA 31273+48 TO STA 31279+50



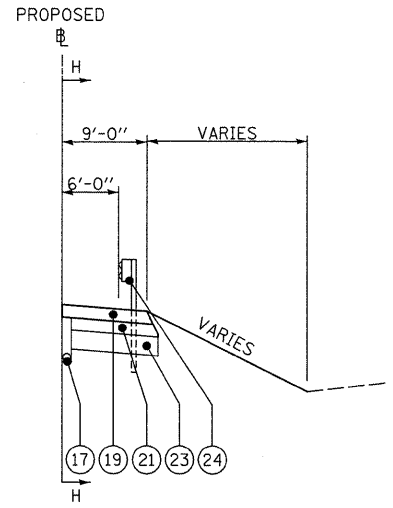
RAMP TYPICAL SECTION

RAMP P5
 STA 31264+32 TO STA 31273+48



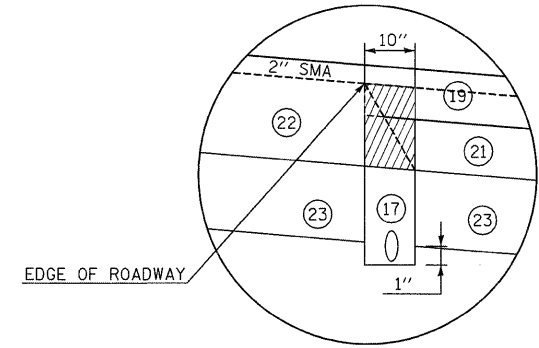
RAMP P5 SECTION G-G

GUARDRAIL SECTION
 STA 31268+98 TO STA 31271+72



RAMP P5 SECTION H-H

GUARDRAIL SECTION
 STA 31257+85 TO STA 31271+72



NOTES:
 WHEN BACKFILLING THE PIPE UNDERDRAIN TRENCH, FILL MATERIAL SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER

- NOTES:
- SHOULDER SLOPE - LOW SIDE OF S.E. ; SLOPE SHALL BE THE SAME AS THE S.E. BUT NOT LESS THAN 4%.
 - SHOULDER SLOPE - HIGH SIDE OF S.E. ; WHEN THE S.E. RATE OF THE PAVEMENT IS BETWEEN 0% AND 4%, THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE S.E. RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND SHOULDER WILL NOT BE GREATER THAN 8%.
 - MAXIMUM 8% BREAKOVER

SEQUENCE OF CONSTRUCTION FOR PIPE UNDERDRAINS

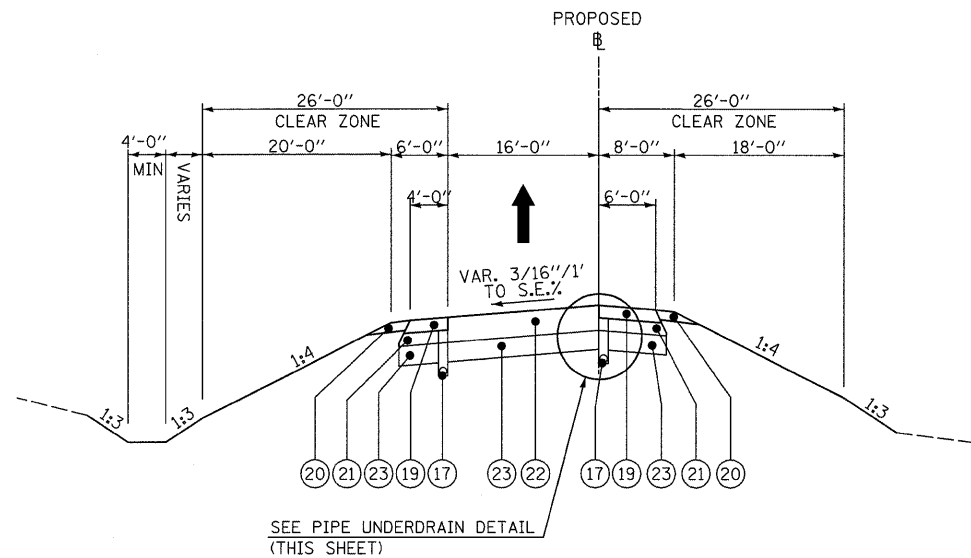
- CONSTRUCT THE PROPOSED FULL DEPTH ASPHALT PAVEMENT TO THE BOTTOM OF THE TOP LIFT
- CONSTRUCT THE PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C
- CONSTRUCT THE PROPOSED HOT-MIX ASPHALT SHOULDERS TO THE BOTTOM OF THE TOP LIFT
- REMOVE A PORTION OF THE NEWLY CONSTRUCTED SHOULDER AND PLACE THE UNDERDRAINS AND SAND BACKFILL
- PLACE SUB-BASE GRANULAR MATERIAL, TYPE C
- PLACE HOT-MIX ASPHALT SHOULDERS TO THE BOTTOM OF THE TOP LIFT
- PLACE THE FINAL LIFT OF HMA SHOULDER

LEGEND

- | | | |
|--|---|--|
| ① EXISTING P.C.C. CONCRETE | ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT) | ⑱ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH |
| ② EXISTING SUB-BASE GRANULAR MATERIAL TYPE A | ⑪ PROPOSED AGGREGATE (PRIME COAT) | ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS 10 1/2" |
| ③ EXISTING HMA SHOULDERS | ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 2" | ⑳ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6" |
| ④ EXISTING HMA SURFACE | ⑬ PROPOSED PAVEMENT REMOVAL | ㉑ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C |
| ⑤ EXISTING AGGREGATE SHOULDERS | ⑭ PROPOSED AGGREGATE SHOULDERS, TYPE B | ㉒ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13" |
| ⑥ EXISTING PIPE UNDERDRAIN | ⑮ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2" | ㉓ PROPOSED LIME MODIFIED SOIL - 12" |
| ⑦ EXISTING GUARDRAIL | ⑯ PROPOSED HOT-MIX SURFACE REMOVAL, 2" | ㉔ PROPOSED GUARDRAIL (SEE PLANS FOR LOCATIONS) |
| | ⑰ PROPOSED PIPE UNDERDRAINS, 4" | ㉕ PROPOSED PAVED SHOULDER REMOVAL |
| | | ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT |

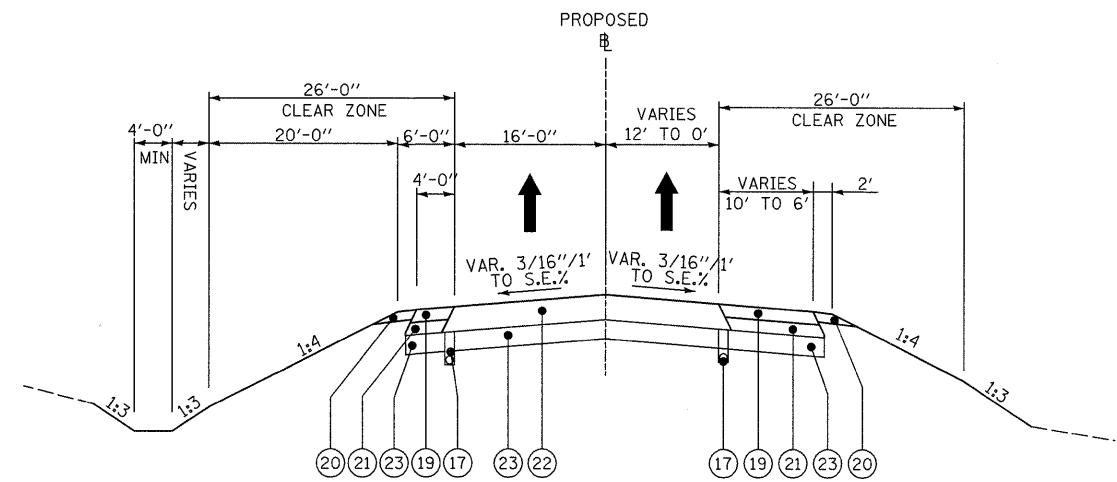
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	PLOT DATE = 3/16/2010 4:37:52 PM	CHECKED -	REVISED -										
		DATE -	REVISED -										



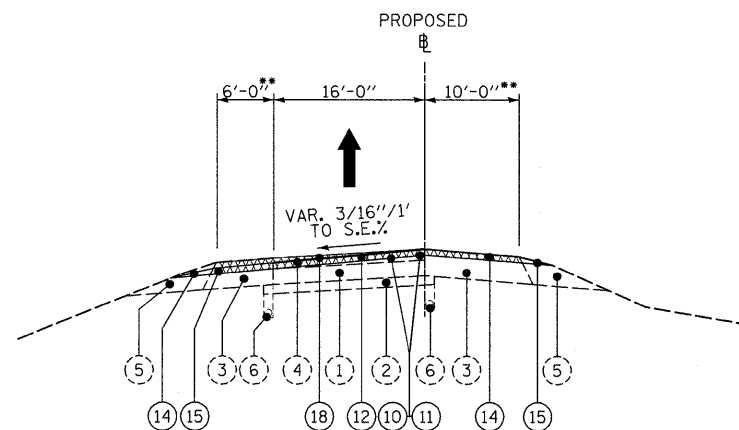
RAMP TYPICAL SECTION

RAMP P5LT
STA 41273+55 TO STA 41276+58



RAMP TYPICAL SECTION

RAMP P8
STA 104+38.42 TO STA 109+52.10



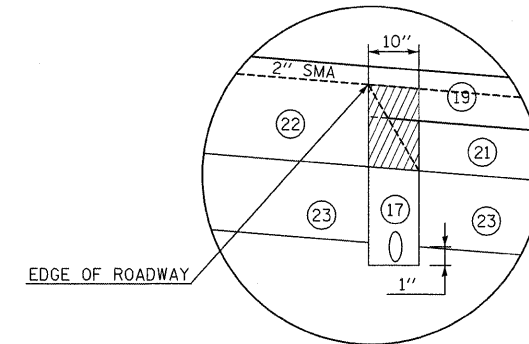
RAMP TYPICAL SECTION

RAMP P8
STA 109+52.10 TO STA 111+23.40

** SHOULDER WIDTHS SHOWN ON THE TYPICALS ARE THEORETICAL SHOULDER WIDTHS. ACTUAL SHOULDER WIDTHS SHALL MATCH EXISTING CONDITIONS UNLESS OTHERWISE SPECIFIED.

NOTES:

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- MAXIMUM 8% BREAKOVER



NOTES:

WHEN BACKFILLING THE PIPE UNDERDRAIN TRENCH, FILL MATERIAL SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER

SEQUENCE OF CONSTRUCTION FOR PIPE UNDERDRAINS

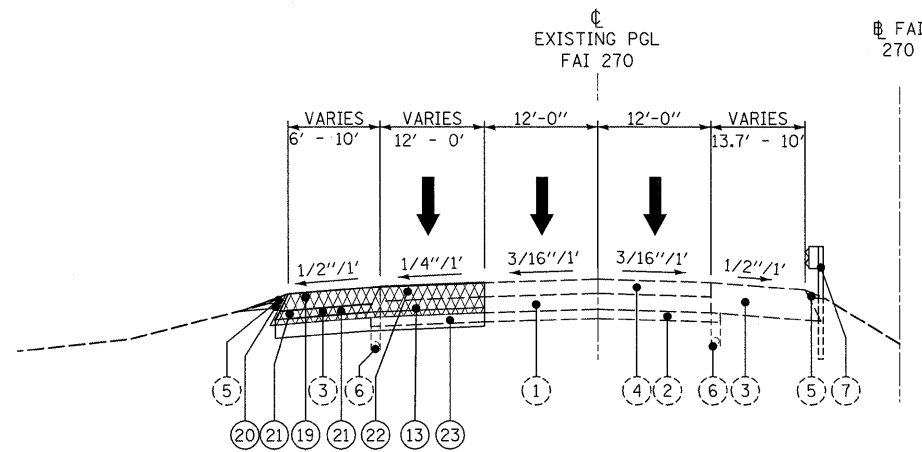
- CONSTRUCT THE PROPOSED FULL DEPTH ASPHALT PAVEMENT TO THE BOTTOM OF THE TOP LIFT
- CONSTRUCT THE PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C
- CONSTRUCT THE PROPOSED HOT-MIX ASPHALT SHOULDERS TO THE BOTTOM OF THE TOP LIFT
- REMOVE A PORTION OF THE NEWLY CONSTRUCTED SHOULDER AND PLACE THE UNDERDRAINS AND SAND BACKFILL
- PLACE SUB-BASE GRANULAR MATERIAL, TYPE C
- PLACE HOT-MIX ASPHALT SHOULDERS TO THE BOTTOM OF THE TOP LIFT
- PLACE THE FINAL LIFT OF HMA SHOULDER

LEGEND

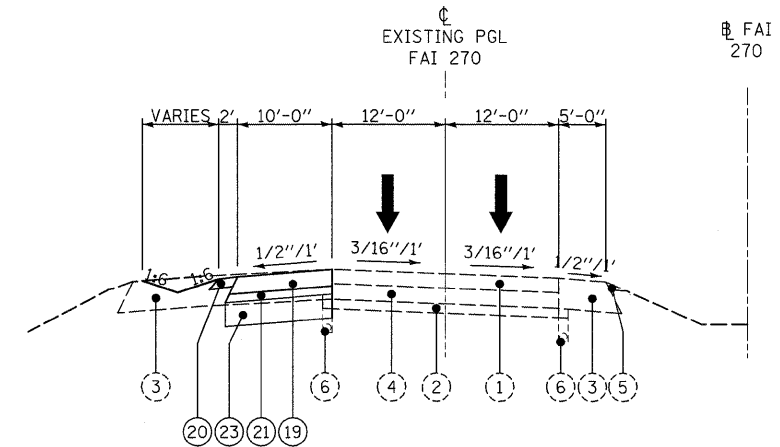
- | | | |
|--|---|--|
| ① EXISTING P.C.C. CONCRETE | ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT) | ⑱ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH |
| ② EXISTING SUB-BASE GRANULAR MATERIAL TYPE A | ⑪ PROPOSED AGGREGATE (PRIME COAT) | ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS 10 1/2" |
| ③ EXISTING HMA SHOULDERS | ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 2" | ⑳ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6" |
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| ⑤ EXISTING AGGREGATE SHOULDERS | ⑭ PROPOSED AGGREGATE SHOULDERS, TYPE B | ㉒ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13" |
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| ⑦ EXISTING GUARDRAIL | ⑯ PROPOSED HOT-MIX SURFACE REMOVAL, 2" | ㉔ PROPOSED GUARDRAIL (SEE PLANS FOR LOCATIONS) |
| | ⑰ PROPOSED PIPE UNDERDRAINS, 4" | ㉕ PROPOSED PAVED SHOULDER REMOVAL |
| | | ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT |

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11\0906600\0906601\oad\plans\004.087	EDB7-Sht-Typicel.dgn	DRAWN -	REVISED -			270	60-2RS-3	MADISON	231	13		
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PLOT DATE = 3/16/2010 4:37:53 PM	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT						
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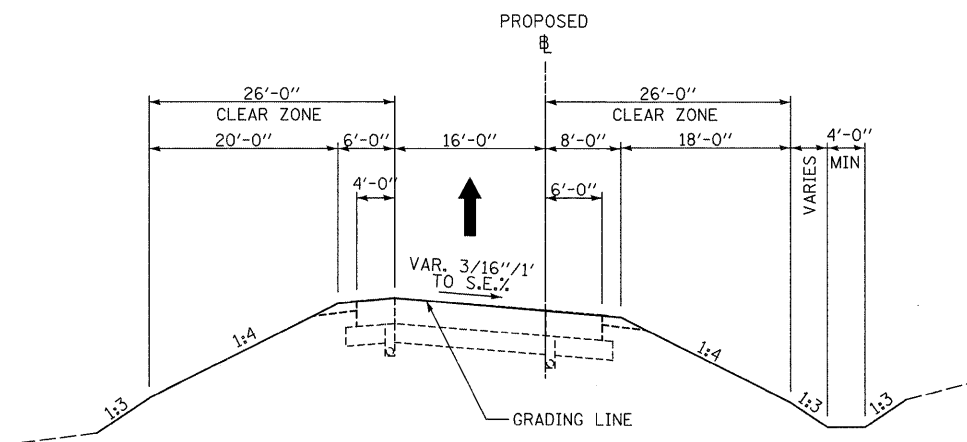


I-270 TYPICAL SECTION
ACCELERATION LANE
STA 225+44 TO STA 231+28



I-270 TYPICAL SECTION
DECELERATION LANE REMOVAL
STA 243+28 TO STA 245+45

REFER TO THE RAMP P5 PLAN SHEET FOR DETAILS ON I-270 DECELERATION REMOVAL



RAMP TYPICAL SECTION
RAMPS P1, P4
GRADING ONLY
STA 21167+00 TO STA 21179+00
STA 11225+50 TO STA 11233+00

NOTES:

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- MAXIMUM 8% BREAKOVER

LEGEND

- | | | |
|--|---|--|
| ① EXISTING P.C.C. CONCRETE | ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT) | ⑱ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH |
| ② EXISTING SUB-BASE GRANULAR MATERIAL TYPE A | ⑪ PROPOSED AGGREGATE (PRIME COAT) | ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS 10 1/2" |
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| | ⑰ PROPOSED PIPE UNDERDRAINS, 4" | ㉕ PROPOSED PAVED SHOULDER REMOVAL |
| | | ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT |

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORNER &
SHIFRIN, INC.
ENGINEERS

TYPICAL SECTIONS
RAMP P1, P4 & INTERSTATE 270

SCALE: NONE

SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 14
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

PIPE CULVERT REMOVAL							
LOCATION				PIPE CULVERT REMOVAL	CONCRETE HEADWALL REMOVAL	COMMENTS	
				FOOT	EACH		
IL RTE 3							
1353+48.00	62.88'	RT TO	1353+50.00	64.19'	LT		4
1356+11.16	150.49'	RT TO	1356+47.12	187.84'	RT	53	2
1364+00.00	60.27'	LT TO	1364+00.00	3.41'	RT		2
1365+67.61	237.59'	RT TO	1366+30.36	225.04'	RT	68	2
EXIST. RAMP E2							
EXIST. RAMP E3							
RAMP P5 (EX RAMP E5)							
31270+36.10	41'	RT					1
31273+86.00	16'	RT TO	31273+89.01	51'	LT	69	2
EXIST. RAMP E5							
EXIST. RAMP E5							
RAMP P8 (EX RAMP P8)							
107+05.00	38'	LT TO	107+05.00	28'	RT	65	2
EXIST. RAMP E8							
I-270							
226+71.87	200.01'	RT TO	227+95.72	245.77'	RT	132	2
EXIST. RAMP E3							
TOTALS				387		17	

LIGHTING REMOVAL					
LOCATION			REMOVAL OF LIGHTING UNIT NO SALVAGE	REMOVAL OF POLE FOUNDATION CONCRETE	
			EACH	EACH	
IL RTE 3					
1361+14.00	55'	LT	1		
1363+59.90	71.6'	RT	1		1
1364+95.65	109.6'	RT	1		1
1369+16.99	94.39'	LT	1		1
1370+89.45	66.46'	LT	1		1
I-270					
228+16.87	100.4'	LT	1		1
229+41.72	71.69'	LT	1		1
243+50.39	87.01'	LT	1		1
245+70.05	68.28'	LT	1		1
249+13.77	57.95'	LT	1		1
TOTALS			10		9

TREE REMOVAL			
LOCATION		TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)
		Unit	Unit
I-270			
225+72	117' RT	14	
226+01	134' RT		35
226+34	194' RT	11	
228+35	297' LT		24
228+54	333' LT		25
228+77	240' LT		22
228+90	204' LT		27
229+93	178' LT	14	
229+93	178' LT	13	
229+93	178' LT		19
230+31	180' LT		24
228+48	282' RT		21
229+20	201' RT		23
230+44	213' RT		25
230+69	196' RT		26
RAMP P5			
31264+80	42' RT	15	
31274+83	40' RT		25
31275+00	33' RT		16
RAMP P8			
105+50	118' RT		20
105+50	118' RT	7	
105+68	135' RT		22
106+70	91' RT	15	
106+70	91' RT	10	
106+70	91' RT	8	
106+70	91' RT	10	
106+70	91' RT	11	
106+70	91' RT	8	
107+61	53' RT		20
108+40	56' RT	11	
TOTALS		147	374

DELINEATORS								
LOCATION				SPACING	DELINEATOR REMOVAL	DELINEATORS		
						CRYSTAL	AMBER	DOUBLE
STA.	TO	STA.		FEET	EACH	EACH	EACH	
EXIST. RAMP E2 - RT & LT SIDES								
EXIST. RAMP E3 - RT & LT SIDES								
EXIST. RAMP E5 - RT & LT SIDES								
EXIST. RAMP E8 - RT & LT SIDES								
RAMP P5RT								
31255+00	TO	31265+73		100			11	
31264+40	TO	31272+58		80		11		
31274+00	TO	31279+00		75		7		
31280+70	TO	31286+00		100			6	
RAMP P5LT								
41274+13	TO	41276+50		55		5		
RAMP P8								
DECEL LANE								
105+67	TO	109+07		100			4	
109+07	TO	111+23		55		4		
SUBTOTALS					120	9	18	25
TOTALS					120		52	

PAVEMENT REMOVAL						
LOCATION				PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	
					RIGHT	LEFT
STA	TO	STA	LT/RT	SQ YD	SQ YD	SQ YD
I-270						
225+70	TO	228+59	LT			162
242+28	TO	245+35	LT			202
245+50	TO	252+90	LT			917
IL RTE 3						
1352+58	TO	1353+06	LT			31
1352+78	TO	1353+77	RT		73	
1358+11	TO	1364+54	RT	519		
1359+00	TO	1363+00	RT		392	
1362+33	TO	1367+54	RT		360	
1364+19	TO	1367+46	RT		138	
1367+32	TO	1370+41	LT			337
RAMP E2						
ENTIRE RAMP				3074	1229	488
RAMP E3						
ENTIRE RAMP				1899	692	354
RAMP E5						
ENTIRE RAMP				2889	1131	586
RAMP E8						
PARTIAL RAMP				1614	833	242
SUBTOTALS				9995	4848	3319
TOTALS				9995		8167

GUARDRAIL REMOVAL						
LOCATION					GUARDRAIL REMOVAL	
					(FOOT)	
IL RTE 3						
1346+39	70.01'	RT TO	1347+89	80.24'	RT	153
1346+68	12.98'	RT TO	1347+83	12.71'	RT	116
1347+65	12.77'	LT TO	1349+57	12.43'	LT	191
1358+92	2.76'	RT TO	1359+85	1.59'	RT	94
1359+15	73.80'	RT TO	1360+01	69.66'	RT	89
1360+12	70.50'	LT TO	1360+24	70.50'	LT	12
1360+30	2.80'	LT TO	1360+42	2.80'	LT	12
1360+31	1.20'	RT TO	1360+43	1.20'	RT	12
1360+45	70.50'	LT TO	1360+52	70.50'	LT	12
1360+50	69.10'	RT TO	1360+62	69.10'	RT	12
1360+64	2.80'	LT TO	1360+76	2.80'	LT	12
1360+65	1.20'	RT TO	1360+77	1.20'	RT	12
1360+82	69.10'	RT TO	1360+94	69.10'	RT	12
1360+94	70.50'	LT TO	1362+00	73.10'	LT	102
1361+24	2.18'	LT TO	1362+17	4.62'	RT	94
1368+33	10.88'	RT TO	1370+11	5.47'	RT	178
1369+92	77.35'	LT TO	1371+56	63.53'	LT	165
1369+95	13.23'	LT TO	1371+23	12.00'	LT	127
I-270						
226+63	214.81'	LT TO	227+65	90.37'	LT	163
227+10	344.76'	RT TO	228+11	103.08'	RT	277
229+26	84.72'	RT TO	231+32	66.83'	RT	208
230+15	65.14'	LT TO	231+66	63.20'	LT	145
238+98	314.33'	LT TO	242+43	79.42'	LT	428
243+15	91.93'	LT TO	246+76	60.14'	LT	364
244+59	10.50'	LT TO	245+99	10.50	LT	140
TOTAL						3130

LAST SAVED = 3/16/2010
 PEN TABLE = V8.tbl
 PLOT DRIVER = TR-Xerox6284-To-File.plt

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PLOT DATE = 3/16/2010 4:37:57 PM		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HORNER &
 SHIFRIN, INC.
 ENGINEERS**

SCHEDULES OF QUANTITIES
 PIPE CULVERT REMOVAL, LIGHTING REMOVAL, TREE REMOVAL,
 DELINEATORS, PAVEMENT REMOVAL, GUARDRAIL REMOVAL

F.A.I. RTE: 270	SECTION: 60-2RS-3	COUNTY: MADISON	TOTAL SHEETS: 231	SHEET NO.: 18
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	

SCALE: NONE SHEET NO. 4 OF 7 SHEETS STA. TO STA.

SIGNING																								
LOCATION			SIGN PANEL			REMOVE SIGN PANEL ASSEMBLY		REMOVE SIGN PANEL TYPE 3	REMOVE OVERHEAD SIGN STRUCTURE		REMOVE GROUND MOUNTED SIGN SUPPORT	REMOVE CONCRETE FOUNDATION		PROPOSED OFFSET*	WOOD SIGN SUPPORT	TELESCOPING STEEL SIGN SUPPORT	NUMBER OF POSTS	BREAKAWAY WIDE FLANGE SIGN SUPPORT					CONCRETE FOUNDATIONS	REMARKS
			TYPE 1	TYPE 2	TYPE 3	TYPE A	TYPE B		SPAN	CANTILEVER		GROUND MOUNT	OVERHEAD					POST TYPE AND SIZE	A	B	L1	L2		
STA.	OFFSET	SIGN	SQ FT	SQ FT	SQ FT	EACH	EACH	SQ FT	EACH	EACH	EACH	EACH	FOOT	FOOT	FOOT									
I 270																								
227+11	LT	455						40			2	2												
227+27	RT	59					1																	
230+36	LT	77																						
235+09	RT	78	12				1						18	22.2		1								
235+25	RT																							
235+35	RT				152																			
235+35	RT			12																				
238+40	LT	60		16			1						35	24.3		1								
239+20	RT	355	5			1							18		18.5	1								
239+41	RT	65		16			1						35	25.1		1								
242+51	LT	109				1																		
244+55	LT								1															
245+70	LT						1																	
246+50	LT	91	4										36		17.7	1								
249+50	LT				230																			
249+50	LT				152																			
249+50	LT			12																				
252+74	LT		12																					
260+59	LT				234			234																
265+15	LT				180			150																
227+20	LT				130			130																
294+50	LT				45			45																
316+60	LT				208			176																
TOTALS			122	360	2461	7	21	919	3	2	2	2	8	427	217						1848	5.2		

* OFFSET MEASURED FROM EDGE OF PAVEMENT TO NEAR EDGE OF SIGN PANEL

A = DISTANCE FROM NEAR EDGE OF SIGN PANEL TO CENTER OF FIRST POST
 B = DISTANCE FROM NEAR EDGE OF SIGN PANEL TO CENTER OF SECOND POST
 L1 = LENGTH OF FIRST POST MEASURED FROM TOP CONCRETE FOUNDATION TO TOP SIGN PANEL
 L2 = LENGTH OF SECOND POST MEASURED FROM TOP CONCRETE FOUNDATION TO TOP SIGN PANEL

LAST SAVED = 3/16/2010
 PEN TABLE = V6.tbl
 PLOT DRIVER = TR-Xerox6284-To-File.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
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PLOT SCALE = 50.0023 ' / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 3/16/2010 4:37:58 PM	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



SCHEDULES OF QUANTITIES
 SIGNING (CONTINUED)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	21
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	

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

EXIST. CURVE EX-E1-1
 PI STA. = 8+68.05
 $\Delta = 32^\circ 28' 37''$ (RT)
 $D = 5^\circ 43' 46''$
 $R = 1,000.00'$
 $T = 291.26'$
 $L = 566.83'$
 $E = 41.55'$
 $e = 6\%$
 T.R. = N/A
 S.E. RUN = 100
 P.C. STA. = 5+76.79
 P.T. STA. = 11+43.62

EXIST. CURVE EX-E1-2
 PI STA. = 17+21.75
 $\Delta = 44^\circ 18' 04''$ (LT)
 $D = 15^\circ 16' 44''$
 $R = 375.00'$
 $T = 152.66'$
 $L = 289.95'$
 $E = 29.88'$
 $e = 6\%$
 T.R. = N/A
 S.E. RUN = 140
 P.C. STA. = 15+69.09
 P.T. STA. = 18+59.04

NOTE: PORTIONS OF THE ALIGNMENTS FOR RAMP E1 AND RAMP E4 HAVE BEEN ESTABLISHED TO DETERMINE EARTHWORK QUANTITIES FOR INFELD GRADING

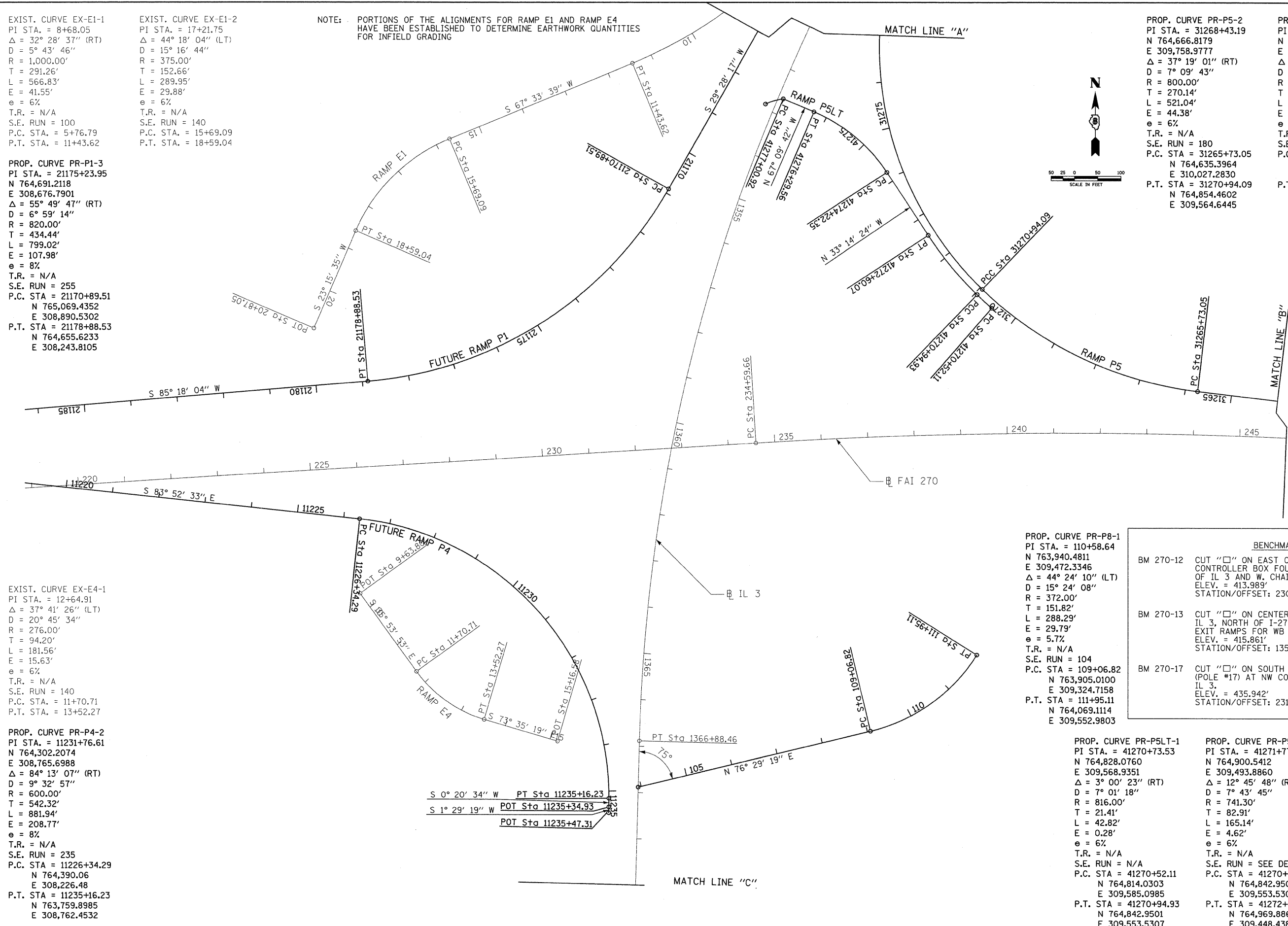
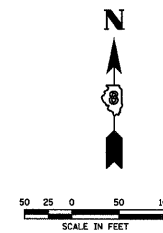
PROP. CURVE PR-P1-3
 PI STA. = 21175+23.95
 $N 764,691.2118$
 $E 308,676.7901$
 $\Delta = 55^\circ 49' 47''$ (RT)
 $D = 6^\circ 59' 14''$
 $R = 820.00'$
 $T = 434.44'$
 $L = 799.02'$
 $E = 107.98'$
 $e = 8\%$
 T.R. = N/A
 S.E. RUN = 255
 P.C. STA = 21170+89.51
 $N 765,069.4352$
 $E 308,890.5302$
 P.T. STA = 21178+88.53
 $N 764,655.6233$
 $E 308,243.8105$

EXIST. CURVE EX-E4-1
 PI STA. = 12+64.91
 $\Delta = 37^\circ 41' 26''$ (LT)
 $D = 20^\circ 45' 34''$
 $R = 276.00'$
 $T = 94.20'$
 $L = 181.56'$
 $E = 15.63'$
 $e = 6\%$
 T.R. = N/A
 S.E. RUN = 140
 P.C. STA. = 11+70.71
 P.T. STA. = 13+52.27

PROP. CURVE PR-P4-2
 PI STA. = 11231+76.61
 $N 764,302.2074$
 $E 308,765.6988$
 $\Delta = 84^\circ 13' 07''$ (RT)
 $D = 9^\circ 32' 57''$
 $R = 600.00'$
 $T = 542.32'$
 $L = 881.94'$
 $E = 208.77'$
 $e = 8\%$
 T.R. = N/A
 S.E. RUN = 235
 P.C. STA = 11226+34.29
 $N 764,390.06$
 $E 308,226.48$
 P.T. STA = 11235+16.23
 $N 763,759.8985$
 $E 308,762.4532$

PROP. CURVE PR-P5-2
 PI STA. = 31268+43.19
 $N 764,666.8179$
 $E 309,758.9777$
 $\Delta = 37^\circ 19' 01''$ (RT)
 $D = 7^\circ 09' 43''$
 $R = 800.00'$
 $T = 270.14'$
 $L = 521.04'$
 $E = 44.38'$
 $e = 6\%$
 T.R. = N/A
 S.E. RUN = 180
 P.C. STA = 31265+73.05
 $N 764,635.3964$
 $E 310,027.2830$
 P.T. STA = 31270+94.09
 $N 764,854.4602$
 $E 309,564.6445$

PROP. CURVE PR-P5-3
 PI STA. = 31276+72.04
 $N 765,255.9151$
 $E 309,148.8746$
 $\Delta = 77^\circ 05' 55''$ (RT)
 $D = 7^\circ 53' 58''$
 $R = 725.30'$
 $T = 577.95'$
 $L = 975.99'$
 $E = 202.11'$
 $e = 6\%$
 T.R. = N/A
 S.E. RUN = 180
 P.C. STA = 31270+94.09
 $N 764,854.4602$
 $E 309,564.6445$
 P.T. STA = 31280+70.08
 $N 765,750.8232$
 $E 309,447.3651$



PROP. CURVE PR-P8-1
 PI STA. = 110+58.64
 $N 763,940.4811$
 $E 309,472.3346$
 $\Delta = 44^\circ 24' 10''$ (LT)
 $D = 15^\circ 24' 08''$
 $R = 372.00'$
 $T = 151.82'$
 $L = 288.29'$
 $E = 29.79'$
 $e = 5.7\%$
 T.R. = N/A
 S.E. RUN = 104
 P.C. STA = 109+06.82
 $N 763,905.0100$
 $E 309,324.7158$
 P.T. STA = 111+95.11
 $N 764,069.1114$
 $E 309,552.9803$

BENCHMARKS	
BM 270-12	CUT "□" ON EAST CORNER OF A TRAFFIC SIGNAL CONTROLLER BOX FOUNDATION AT THE SW CORNER OF IL 3 AND W. CHAIN OF ROCKS ROAD. $\Delta = 44^\circ 24' 10''$ (LT) $D = 15^\circ 24' 08''$ $R = 372.00'$ $T = 151.82'$ $L = 288.29'$ $E = 29.79'$ $e = 5.7\%$ T.R. = N/A S.E. RUN = 104 P.C. STA = 109+06.82 $N 763,905.0100$ $E 309,324.7158$ P.T. STA = 111+95.11 $N 764,069.1114$ $E 309,552.9803$ STATION/OFFSET: 230+02.2, 1509.5' RT
BM 270-13	CUT "□" ON CENTER HEADWALL ON EAST SIDE OF IL 3, NORTH OF I-270, BETWEEN ENTRANCE AND EXIT RAMP FOR WB I-270. $\Delta = 44^\circ 24' 10''$ (LT) $D = 15^\circ 24' 08''$ $R = 372.00'$ $T = 151.82'$ $L = 288.29'$ $E = 29.79'$ $e = 5.7\%$ T.R. = N/A S.E. RUN = 104 P.C. STA = 109+06.82 $N 763,905.0100$ $E 309,324.7158$ P.T. STA = 111+95.11 $N 764,069.1114$ $E 309,552.9803$ STATION/OFFSET: 1354+50.1, 64.5' RT
BM 270-17	CUT "□" ON SOUTH SIDE OF LIGHT POLE FOUNDATION (POLE #17) AT NW CORNER OF WB I-270 BRIDGE OVER IL 3. $\Delta = 44^\circ 24' 10''$ (LT) $D = 15^\circ 24' 08''$ $R = 372.00'$ $T = 151.82'$ $L = 288.29'$ $E = 29.79'$ $e = 5.7\%$ T.R. = N/A S.E. RUN = 104 P.C. STA = 109+06.82 $N 763,905.0100$ $E 309,324.7158$ P.T. STA = 111+95.11 $N 764,069.1114$ $E 309,552.9803$ STATION/OFFSET: 231+51.5, 68.3' LT

PROP. CURVE PR-P5LT-1
 PI STA. = 41270+73.53
 $N 764,828.0760$
 $E 309,568.9351$
 $\Delta = 3^\circ 00' 23''$ (RT)
 $D = 7^\circ 01' 18''$
 $R = 816.00'$
 $T = 21.41'$
 $L = 42.82'$
 $E = 0.28'$
 $e = 6\%$
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA = 41270+52.11
 $N 764,814.0303$
 $E 309,585.0985$
 P.T. STA = 41270+94.93
 $N 764,842.9501$
 $E 309,553.5307$

PROP. CURVE PR-P5LT-2
 PI STA. = 41271+77.84
 $N 764,900.5412$
 $E 309,493.8860$
 $\Delta = 12^\circ 45' 48''$ (RT)
 $D = 7^\circ 43' 45''$
 $R = 741.30'$
 $T = 82.91'$
 $L = 165.14'$
 $E = 4.62'$
 $e = 6\%$
 T.R. = N/A
 S.E. RUN = SEE DETAILS
 P.C. STA = 41270+94.93
 $N 764,842.9501$
 $E 309,553.5307$
 P.T. STA = 41272+60.07
 $N 764,969.8863$
 $E 309,448.4384$

PROP. CURVE PR-P5LT-3
 PI STA. = 41275+29.09
 $N 765,194.8937$
 $E 309,300.9726$
 $\Delta = 33^\circ 55' 17''$ (LT)
 $D = 16^\circ 22' 13''$
 $R = 350.00'$
 $T = 106.74'$
 $L = 207.21'$
 $E = 15.92'$
 $e = 5.1\%$
 T.R. = N/A
 S.E. RUN = SEE DETAILS
 P.C. STA = 41274+22.35
 $N 765,105.6155$
 $E 309,359.4839$
 P.T. STA = 41276+29.56
 $N 765,236.3244$
 $E 309,202.5976$

LAST SAVED = 3/13/2010
 PEN TABLE = V8.tbl
 PLOT DRIVER = TR-Xerox6284-To-File.plt

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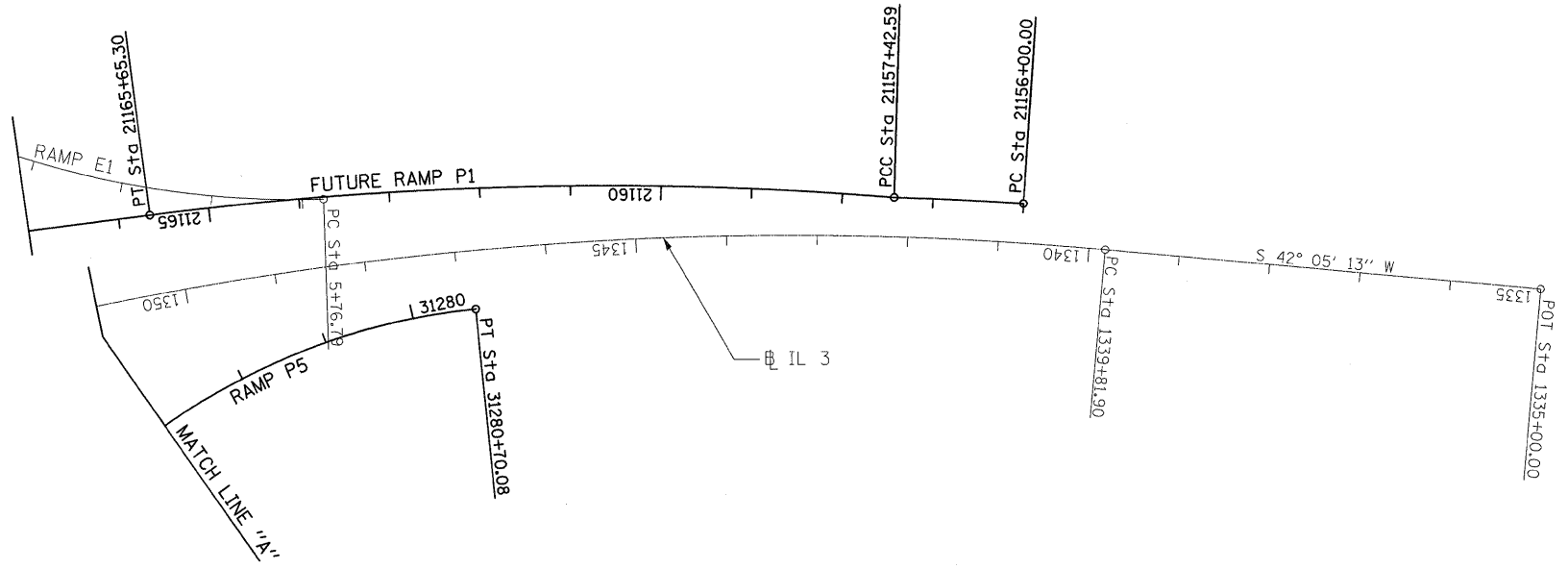
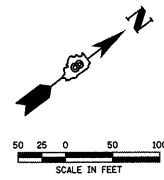
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HORNER &
 SHIFFRIN, INC.
 ENGINEERS

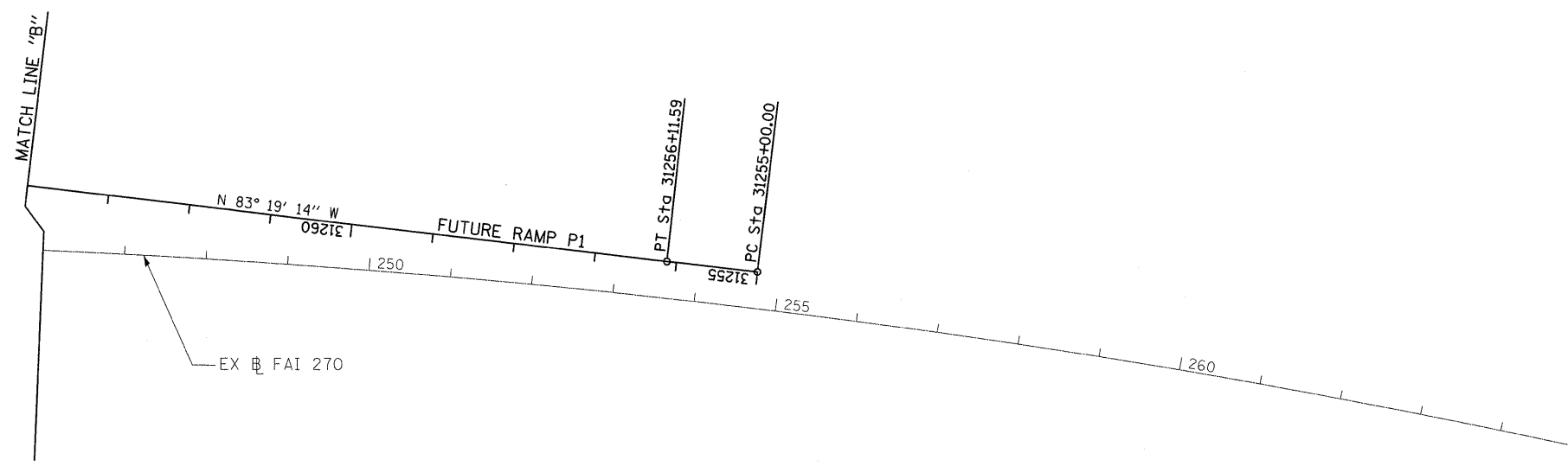
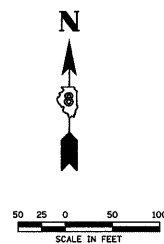
ALIGNMENTS, TIES, AND BENCHMARKS

SCALE: 1" = 100' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

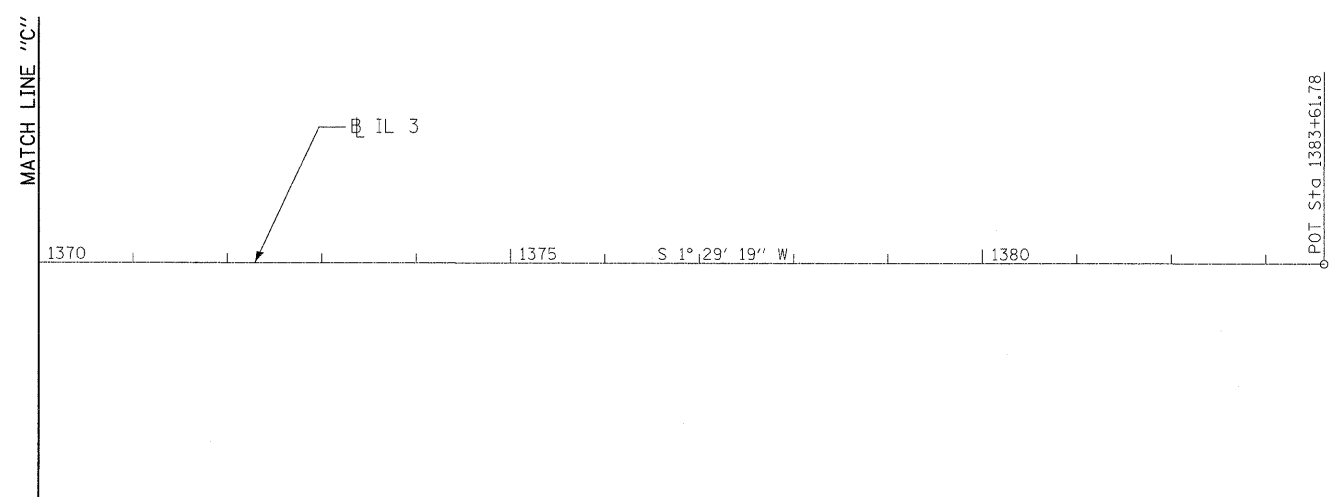
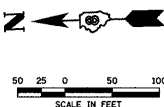
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	22
				CONTRACT NO. 76D87
ILLINOIS FED. AID PROJECT				



PROP. CURVE PR-P1-1 PI STA. = 21156+71.31 N 766,249.6978 E 309,670.2904 $\Delta = 2^\circ 06' 52''$ (LT) D = $1^\circ 28' 59''$ R = 3,863.72' T = 71.31' L = 142.59' E = 0.66' e = N/A T.R. = N/A S.E. RUN = N/A P.C. STA = 21156+00.00 N 766,303.7661 E 309,716.7775 P.T. STA = 21157+42.59 N 766,193.9511 E 309,625.8301	PROP. CURVE PR-P1-2 PI STA. = 21161+55.49 N 765,885.2858 E 309,351.5806 $\Delta = 12^\circ 08' 59''$ (LT) D = $1^\circ 28' 36''$ R = 3,879.75' T = 412.90' L = 822.70' E = 21.91' e = N/A T.R. = N/A S.E. RUN = N/A P.C. STA = 21157+42.59 N 766,193.9511 E 309,625.8301 P.T. STA = 21165+65.30 N 765,525.8141 E 309,148.4373
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PROP. CURVE PR-P5-1 PI STA. = 31255+55.80 N 764,517.4668 E 311,037.6754 $\Delta = 0^\circ 34' 27''$ (LT) D = $0^\circ 30' 52''$ R = 11,134.50' T = 55.80' L = 111.59' E = 0.14' e = N/A T.R. = N/A S.E. RUN = N/A P.C. STA = 31255+00.00 N 764,510.8146 E 311,093.0735 P.T. STA = 31256+11.59 N 764,523.5635 E 310,982.2133



LAST SAVED = 3/13/2010
 PEN TABLE = VB.tbl
 PLOT DRIVER = TR-Xerox6204-To-File.plt

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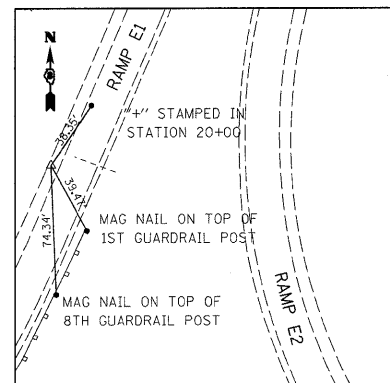
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



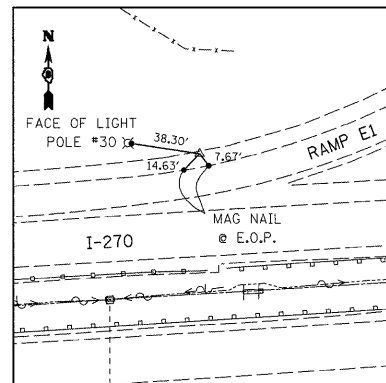
ALIGNMENTS, TIES, AND BENCHMARKS

SCALE: 1" = 100' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

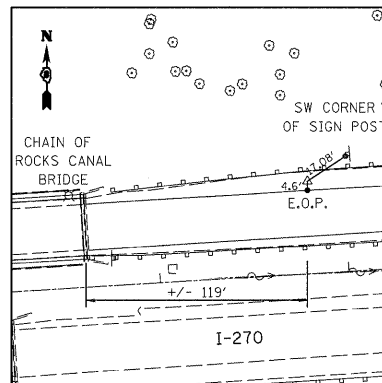
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	23
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



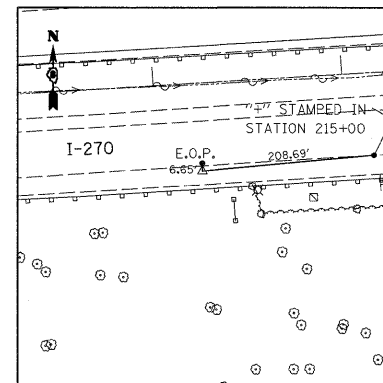
CP 129
MAG NAIL
764,813.8354 N
308,141.8341 E



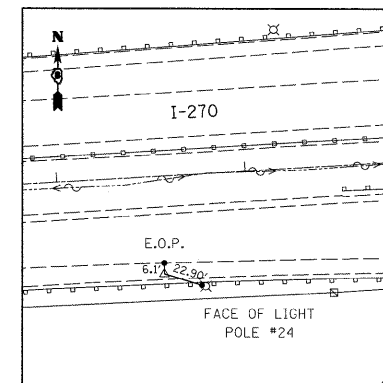
CP 140
MAG NAIL
764,520.2707 N
307,817.8707 E



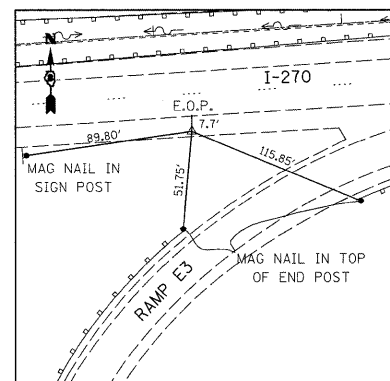
CP 141
MAG NAIL
764,437.6616 N
306,900.8146 E



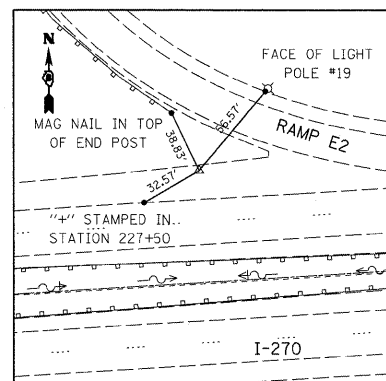
CP 167
MAG NAIL
764,338.5331 N
306,918.4650 E



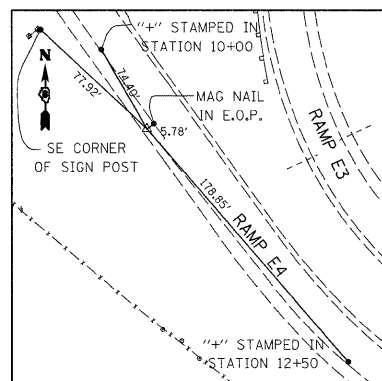
CP 168
MAG NAIL
764,372.6413 N
307,478.9808 E



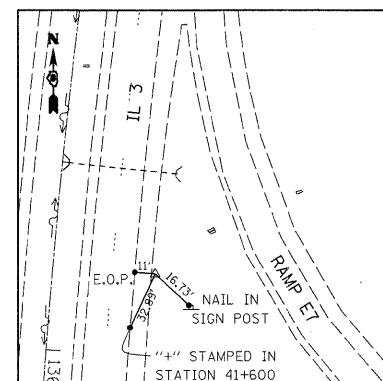
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MAG NAIL
764,432.4956 N
308,440.3051 E



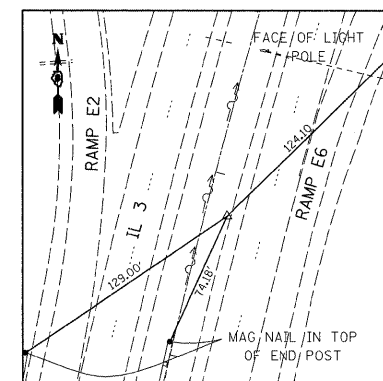
CP 170
MAG NAIL
764,540.9043 N
308,393.9480 E



CP 171
MAG NAIL
764,109.3309 N
308,287.7908 E



CP 172
IRON PIPE W/CAP
764,112.4277 N
308,895.3890 E

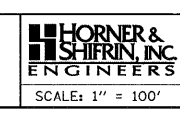


CP 173
IRON PIPE W/CAP
764,738.1971 N
308,959.8619 E

LAST SAVED = 3/13/2010
 PEN TABLE = V6.tbl
 PLOT DRIVER = TR-Xerox6204-10r1.epl

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

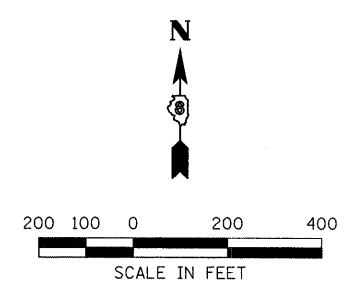
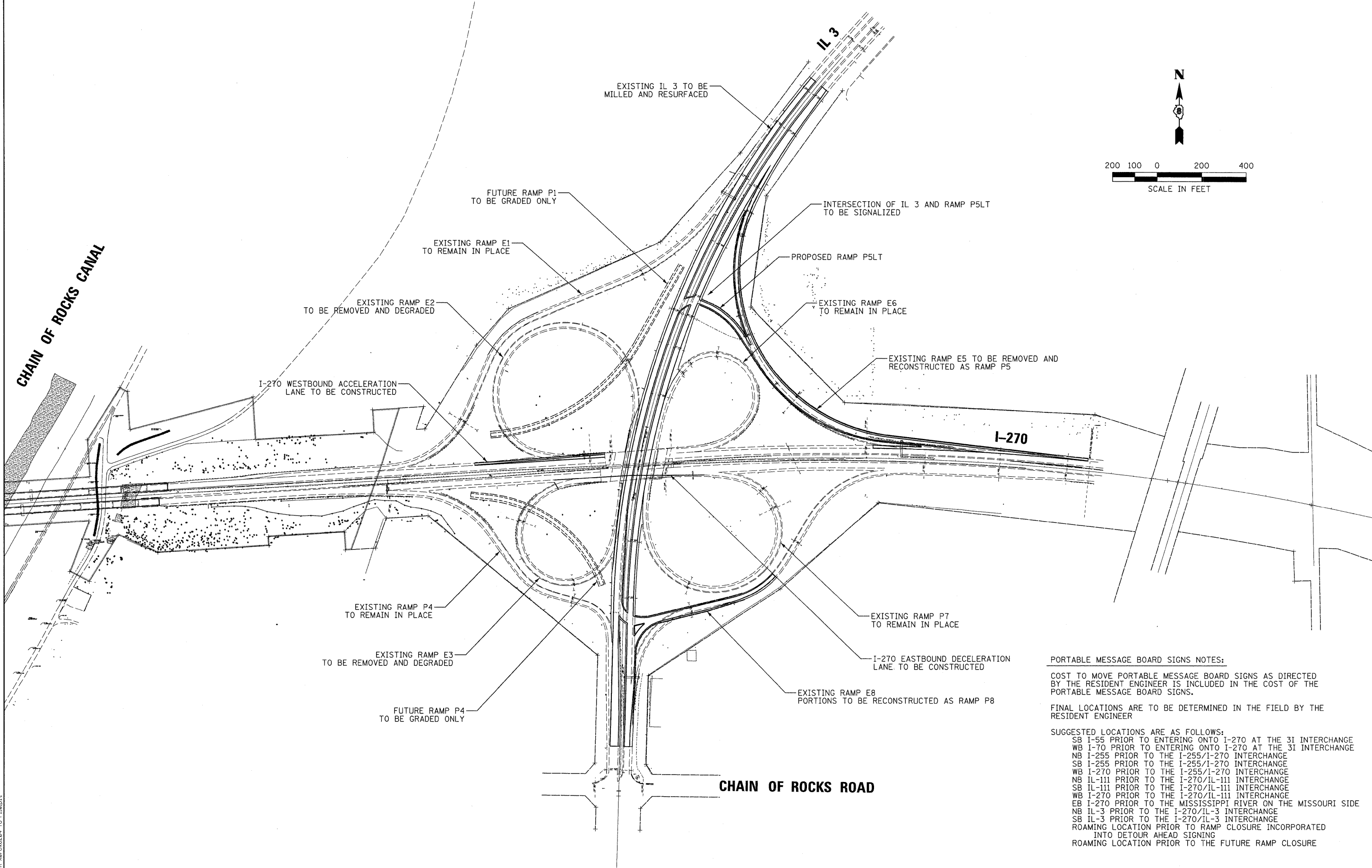


ALIGNMENTS, TIES, AND BENCHMARKS

SCALE: 1" = 100' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	24
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

CHAIN OF ROCKS CANAL



PORTABLE MESSAGE BOARD SIGNS NOTES:
 COST TO MOVE PORTABLE MESSAGE BOARD SIGNS AS DIRECTED BY THE RESIDENT ENGINEER IS INCLUDED IN THE COST OF THE PORTABLE MESSAGE BOARD SIGNS.
 FINAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER
 SUGGESTED LOCATIONS ARE AS FOLLOWS:
 SB I-55 PRIOR TO ENTERING ONTO I-270 AT THE 3I INTERCHANGE
 WB I-70 PRIOR TO ENTERING ONTO I-270 AT THE 3I INTERCHANGE
 NB I-255 PRIOR TO THE I-255/I-270 INTERCHANGE
 SB I-255 PRIOR TO THE I-255/I-270 INTERCHANGE
 WB I-270 PRIOR TO THE I-255/I-270 INTERCHANGE
 NB IL-111 PRIOR TO THE I-270/IL-111 INTERCHANGE
 SB IL-111 PRIOR TO THE I-270/IL-111 INTERCHANGE
 WB I-270 PRIOR TO THE I-270/IL-111 INTERCHANGE
 EB I-270 PRIOR TO THE MISSISSIPPI RIVER ON THE MISSOURI SIDE
 NB IL-3 PRIOR TO THE I-270/IL-3 INTERCHANGE
 SB IL-3 PRIOR TO THE I-270/IL-3 INTERCHANGE
 ROAMING LOCATION PRIOR TO RAMP CLOSURE INCORPORATED INTO DETOUR AHEAD SIGNING
 ROAMING LOCATION PRIOR TO THE FUTURE RAMP CLOSURE

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 PLOT DRIVER = TR: Xerox6284-Te-File.plt

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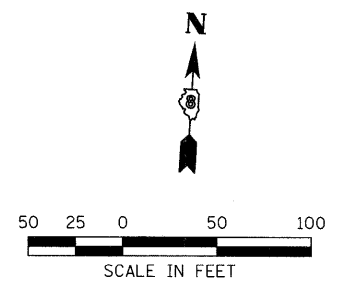
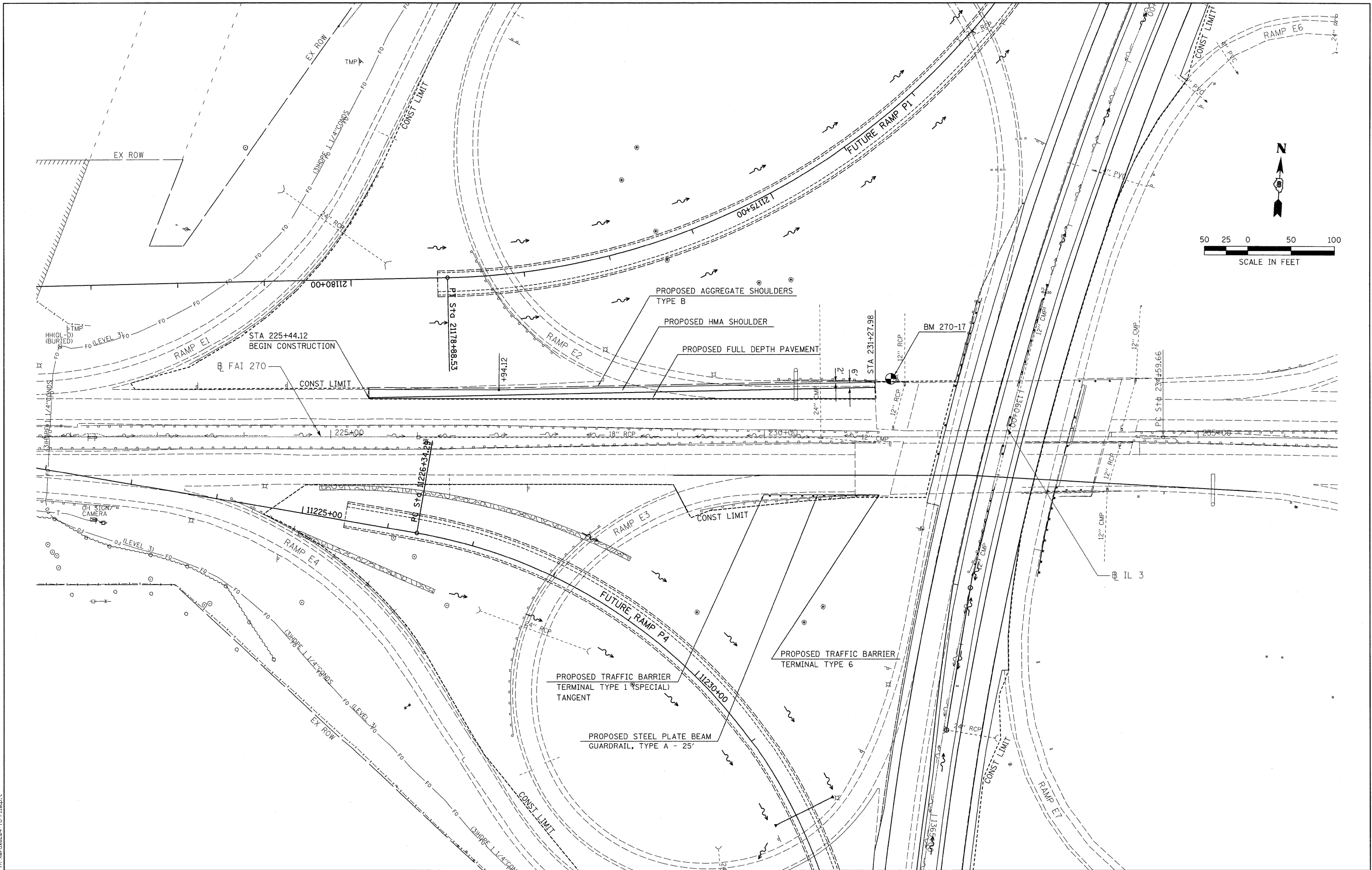
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HORNER &
 SHIFRIN, INC.
 ENGINEERS**

GENERAL LAYOUT

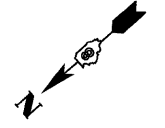
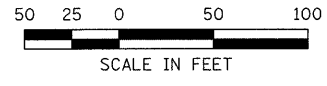
SCALE: 1" = 200' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	25
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



LAST SAVED = 3/13/2010
 PEN TABLE = V8.tbl
 PLOT DRIVER = TR: Xerox6204.Tc: Filepl.t

FILE NAME = \\0906600\0906601\cad\plans\010_087\087-D87-Sht-Plan-I-270.dgn USER NAME = sdonahue PLOT SCALE = 60.0023' / IN. PLOT DATE = 3/16/2010 4:38:18 PM	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORNER & SHIFRIN, INC. ENGINEERS	PLAN INTERSTATE 270 SCALE: 1" = 50' SHEET NO. 1 OF 16 SHEETS	F.A.I. R/F: 270 SECTION: 60-2RS-3 COUNTY: MADISON TOTAL SHEETS: 231 SHEET NO.: 26 CONTRACT NO. 76D87 ILLINOIS FED. AID PROJECT
---	--	--	--	---	--	--



EXIST. CURVE EX-IL3-1
 PI STA. = 1353+94.79
 $\Delta = 40^\circ 35' 54''$ (LT)
 $D = 1^\circ 30' 00''$
 $R = 3,819.72'$
 $T = 1,412.89'$
 $L = 2,706.56'$
 $E = 252.94'$
 $e = 2\%$
 $T.R. = \text{-----}$
 $S.E. RUN = 144'$
 $P.C. STA. = 1339+81.90$
 $P.T. STA. = 1366+88.46$

PROPOSED TRAFFIC BARRIER TERMINAL
 TYPE 1 (SPECIAL) TANGENT
 STA 1349+83

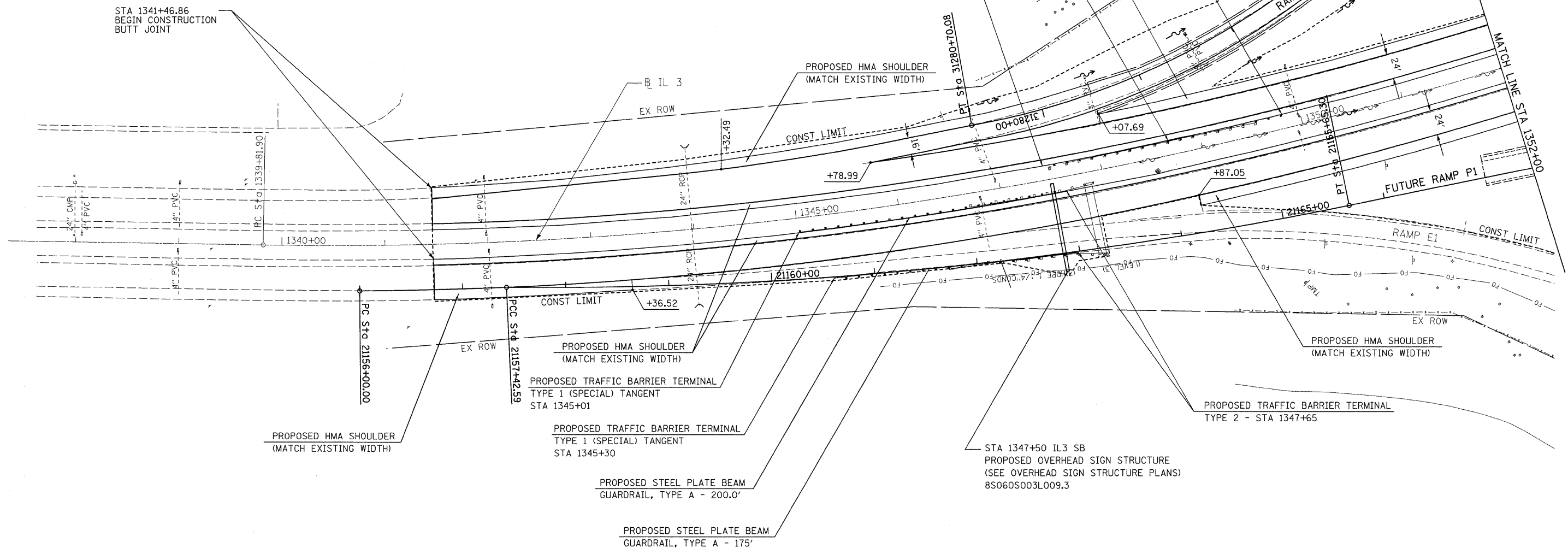
PROPOSED HMA SHOULDER
 (MATCH EXISTING WIDTH)

PROPOSED STEEL PLATE BEAM
 GUARDRAIL, TYPE A - 175.0'

PROPOSED TRAFFIC BARRIER TERMINAL
 TYPE 2 - STA 1347+42

PROPOSED HMA SHOULDER
 (MATCH EXISTING WIDTH)

STA 1341+46.86
 BEGIN CONSTRUCTION
 BUTT JOINT



PROPOSED HMA SHOULDER
 (MATCH EXISTING WIDTH)

PROPOSED TRAFFIC BARRIER TERMINAL
 TYPE 1 (SPECIAL) TANGENT
 STA 1345+01

PROPOSED TRAFFIC BARRIER TERMINAL
 TYPE 1 (SPECIAL) TANGENT
 STA 1345+30

PROPOSED STEEL PLATE BEAM
 GUARDRAIL, TYPE A - 200.0'

PROPOSED STEEL PLATE BEAM
 GUARDRAIL, TYPE A - 175'

STA 1347+50 IL3 SB
 PROPOSED OVERHEAD SIGN STRUCTURE
 (SEE OVERHEAD SIGN STRUCTURE PLANS)
 8S060S003L009.3

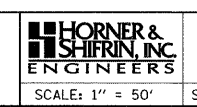
PROPOSED TRAFFIC BARRIER TERMINAL
 TYPE 2 - STA 1347+65

PROPOSED HMA SHOULDER
 (MATCH EXISTING WIDTH)

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

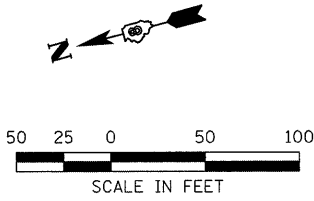


PLAN
 ILLINOIS ROUTE 3

SCALE: 1" = 50' SHEET NO. 2 OF 16 SHEETS STA. 1341+46.86 TO STA. 1352+00

F.A.I. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	27
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

STA 31273+91.70
PIPE CULVERTS, CLASS A, TYPE 2, 36"
PRC FLARED END SECTIONS, 36"

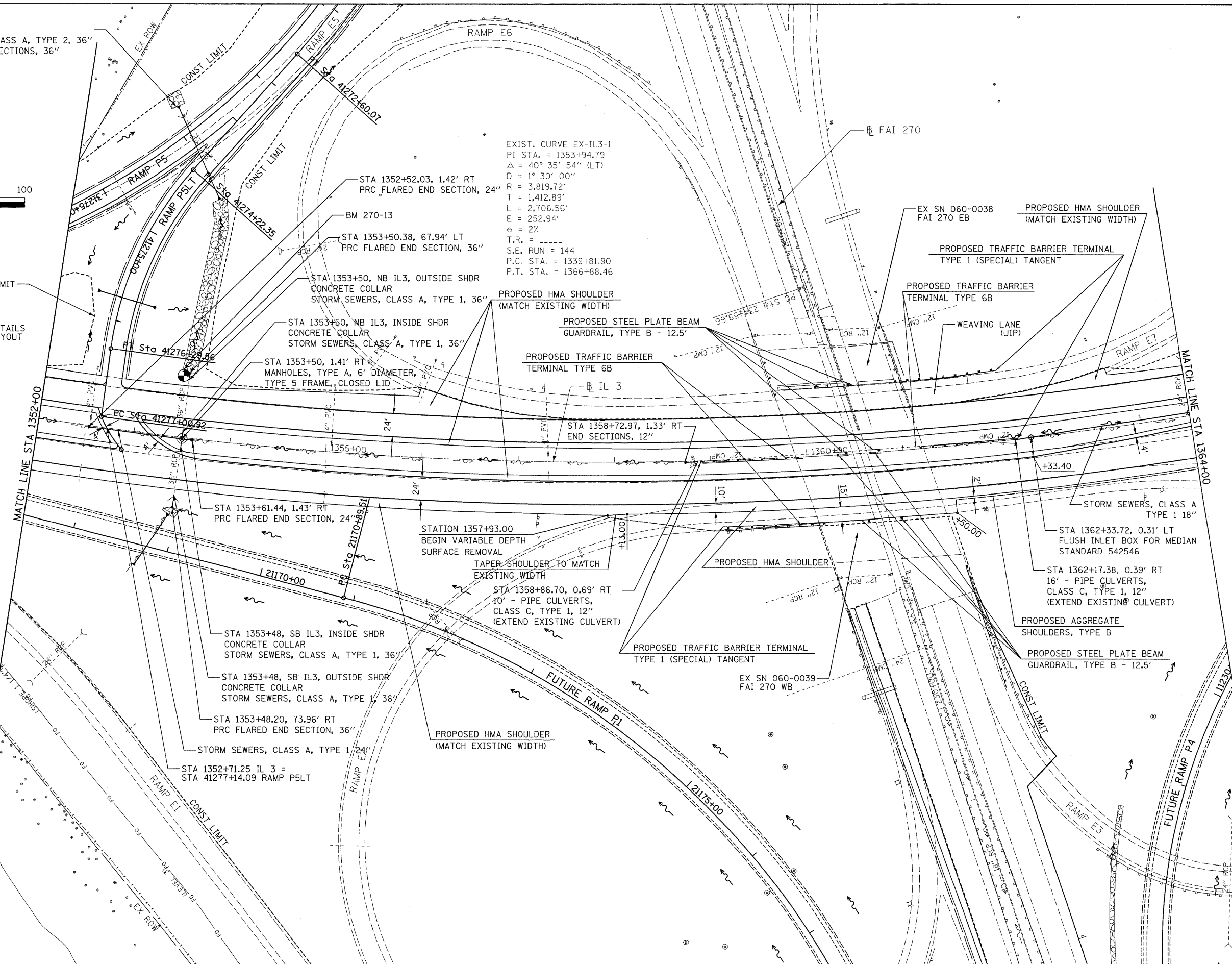


CONST LIMIT
SEE INTERSECTION DETAILS FOR INTERSECTION LAYOUT

EXIST. CURVE EX-IL3-1
PI STA. = 1353+94.79
 $\Delta = 40^\circ 35' 54''$ (LT)
D = 1° 30' 00"
R = 3,819.72'
T = 1,412.89'
L = 2,706.56'
E = 252.94'
 $\theta = 2\%$
T.R. = -----
S.E. RUN = 144
P.C. STA. = 1339+81.90
P.T. STA. = 1366+88.46

MATCH LINE STA 1352+00

MATCH LINE STA 1364+00



LAST SAVED = 3/16/2010
PEN TABLE = V8.tbl
PLOT DRIVER = TR-Xerox6284-10-File.plt

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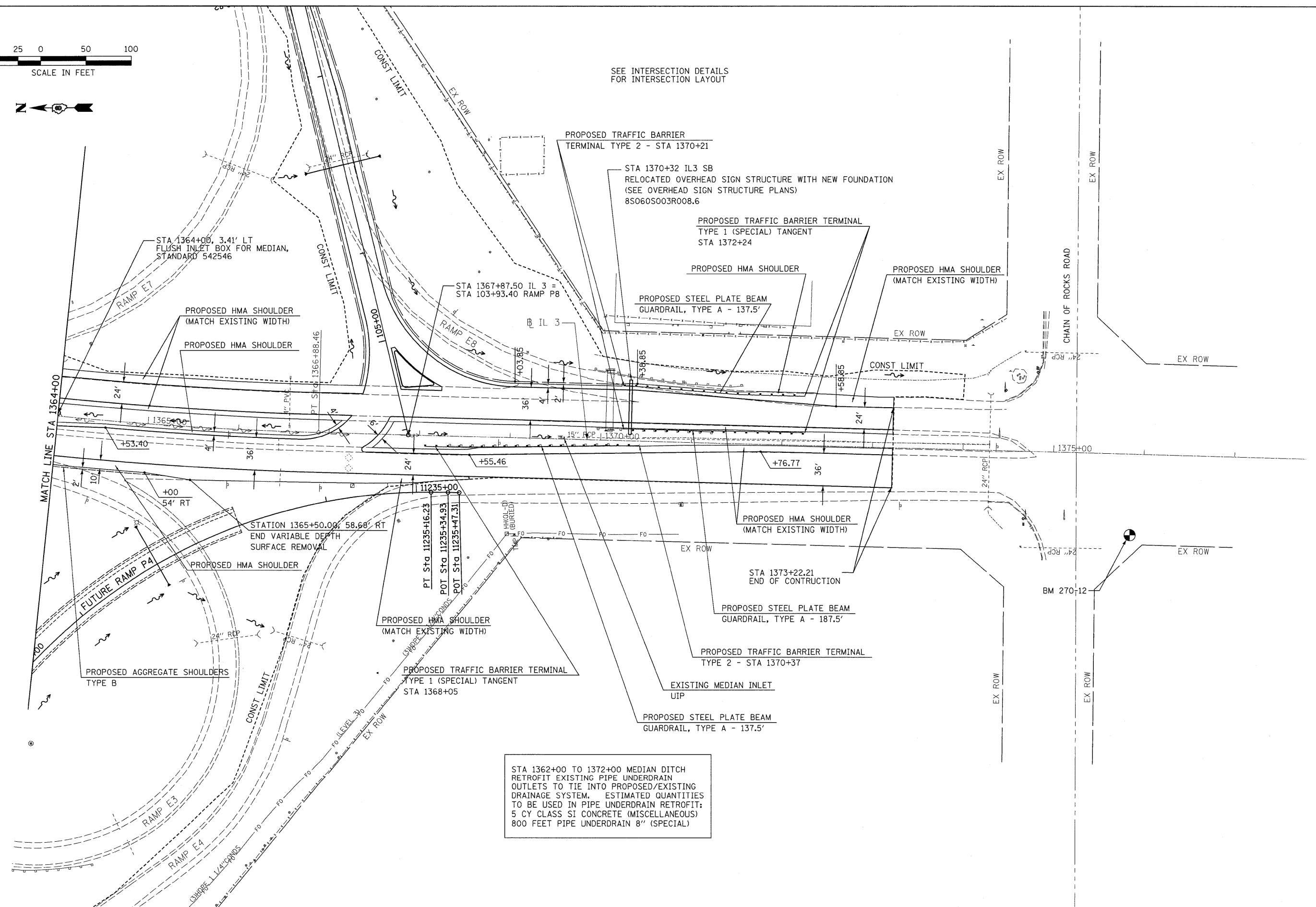
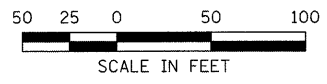
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SCALE: 1" = 50'
SHEET NO. 3 OF 16 SHEETS
STA. 1352+00 TO STA. 1364+00

PLAN
ILLINOIS ROUTE 3

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	28
CONTRACT NO. 76DB7				
ILLINOIS FED. AID PROJECT				



SEE INTERSECTION DETAILS FOR INTERSECTION LAYOUT

PROPOSED TRAFFIC BARRIER TERMINAL TYPE 2 - STA 1370+21

STA 1370+32 IL3 SB RELOCATED OVERHEAD SIGN STRUCTURE WITH NEW FOUNDATION (SEE OVERHEAD SIGN STRUCTURE PLANS) 8S060S003R008.6

PROPOSED TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT STA 1372+24

PROPOSED HMA SHOULDER

PROPOSED HMA SHOULDER (MATCH EXISTING WIDTH)

PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A - 137.5'

STA 1364+00, 3.41' LT FLUSH INLET BOX FOR MEDIAN, STANDARD 542546

PROPOSED HMA SHOULDER (MATCH EXISTING WIDTH)

PROPOSED HMA SHOULDER

STA 1367+87.50 IL 3 = STA 103+93.40 RAMP P8

RAMP E8

MATCH LINE STA 1364+00

+53.40

+55.46

+76.77

STATION 1365+50.00, 58.68' RT END VARIABLE DEPTH SURFACE REMOVAL

PROPOSED HMA SHOULDER

PROPOSED AGGREGATE SHOULDERS TYPE B

FUTURE RAMP P4

PROPOSED HMA SHOULDER (MATCH EXISTING WIDTH)

PROPOSED TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT STA 1368+05

STA 1373+22.21 END OF CONSTRUCTION

PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A - 187.5'

PROPOSED TRAFFIC BARRIER TERMINAL TYPE 2 - STA 1370+37

EXISTING MEDIAN INLET UIP

PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A - 137.5'

STA 1362+00 TO 1372+00 MEDIAN DITCH RETROFIT EXISTING PIPE UNDERDRAIN OUTLETS TO TIE INTO PROPOSED/EXISTING DRAINAGE SYSTEM. ESTIMATED QUANTITIES TO BE USED IN PIPE UNDERDRAIN RETROFIT: 5 CY CLASS S1 CONCRETE (MISCELLANEOUS) 800 FEET PIPE UNDERDRAIN 8" (SPECIAL)

LAST SAVED = 3/16/2010
PEN TABLE = V8.tbl
PLOT DRIVER = TR:Verov6284-1c-Filepl.t

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

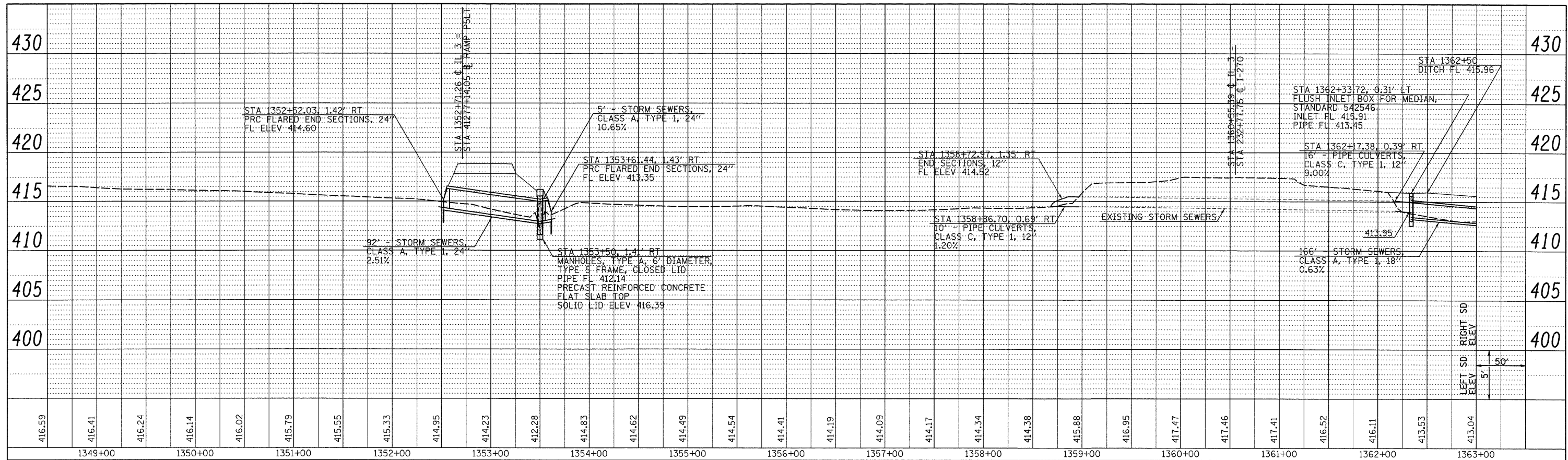


PLAN
ILLINOIS ROUTE 3

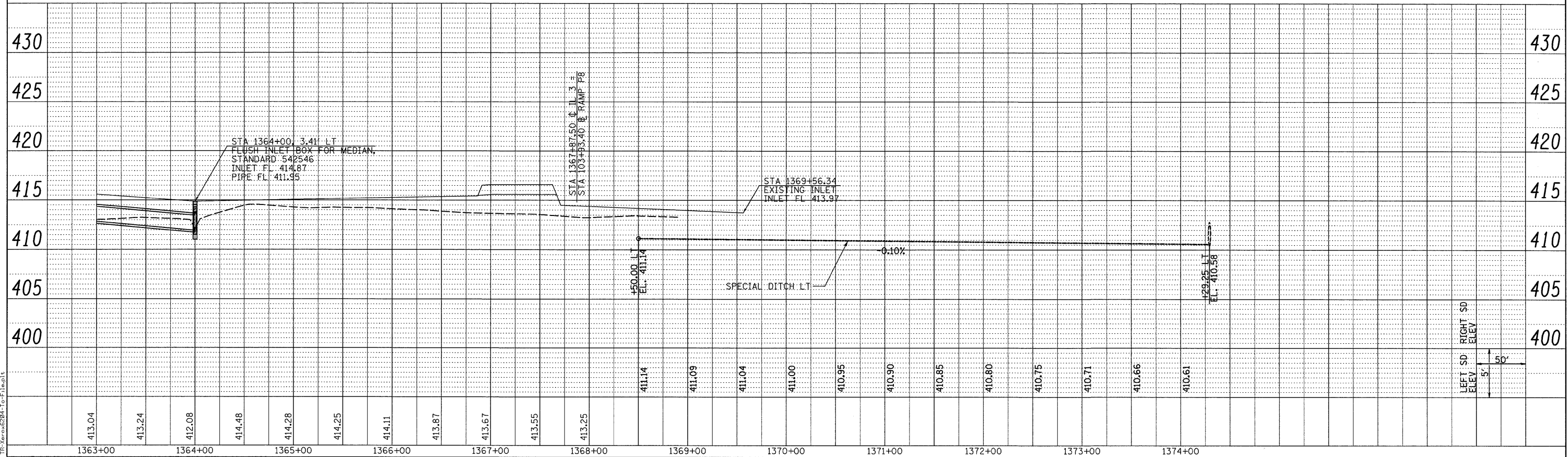
SCALE: 1" = 50' SHEET NO. 4 OF 16 SHEETS STA. 1364+00 TO STA.

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 29
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CADD FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	STRUCTURE NOTATIONS CHRG		



LAST SAVED = 3/16/2010 4:38:27 PM
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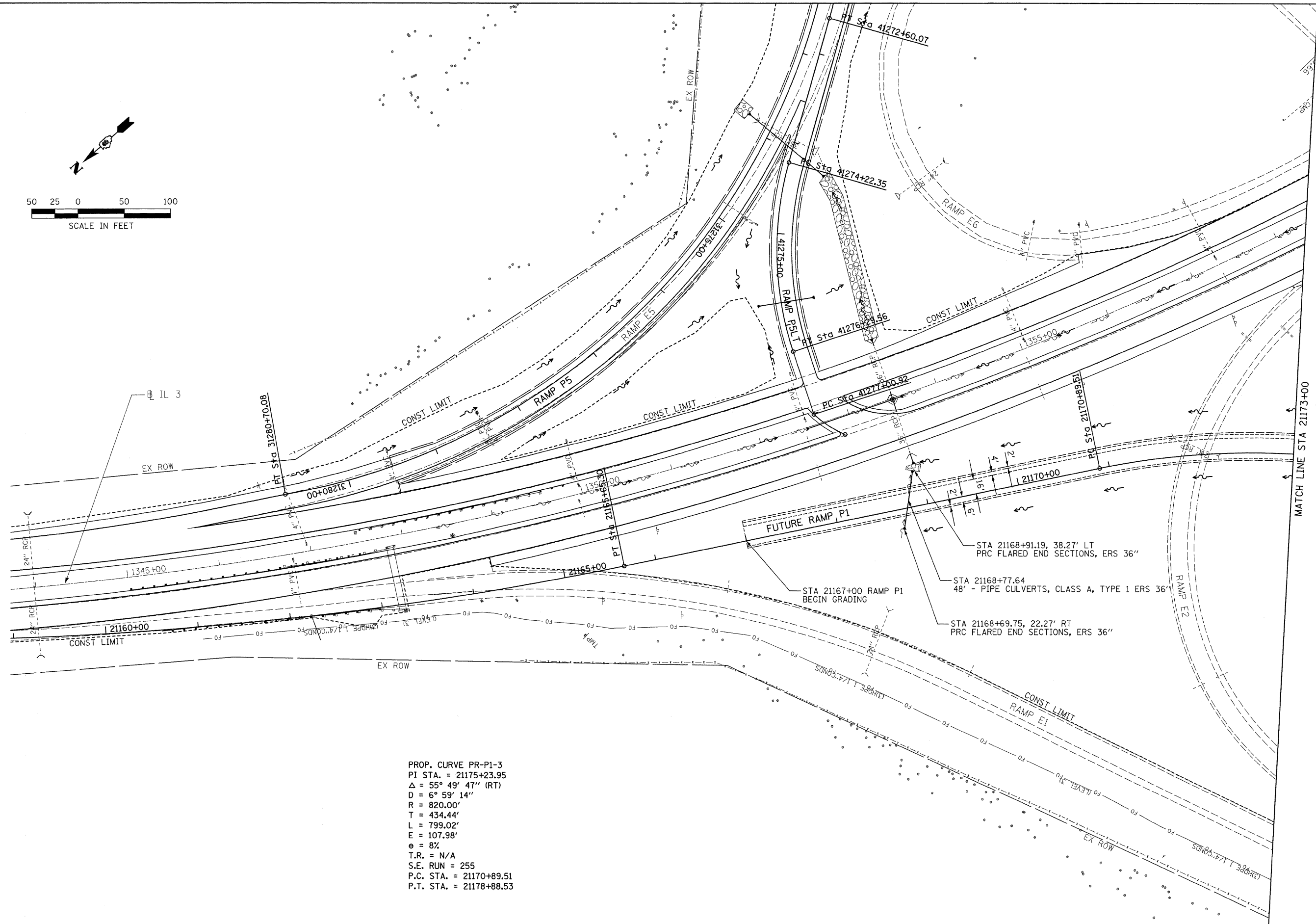
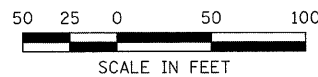
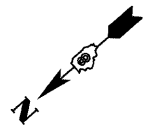
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



PROFILES
ILLINOIS ROUTE 3

SCALE: SEE SHT SHEET NO. 5 OF 16 SHEETS STA. 1348+50 TO STA. 1375+29.25

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	30
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	



PROP. CURVE PR-P1-3
 PI STA. = 21175+23.95
 $\Delta = 55^\circ 49' 47''$ (RT)
 $D = 6^\circ 59' 14''$
 $R = 820.00'$
 $T = 434.44'$
 $L = 799.02'$
 $E = 107.98'$
 $e = 8\%$
 $T.R. = N/A$
 $S.E. RUN = 255$
 $P.C. STA. = 21170+89.51$
 $P.T. STA. = 21178+88.53$

LAST SAVED = 3/16/2010
 PEN TABLE = V8.tbl
 PLOT DRIVER = TR-Xerox6284-Te-File.plt

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



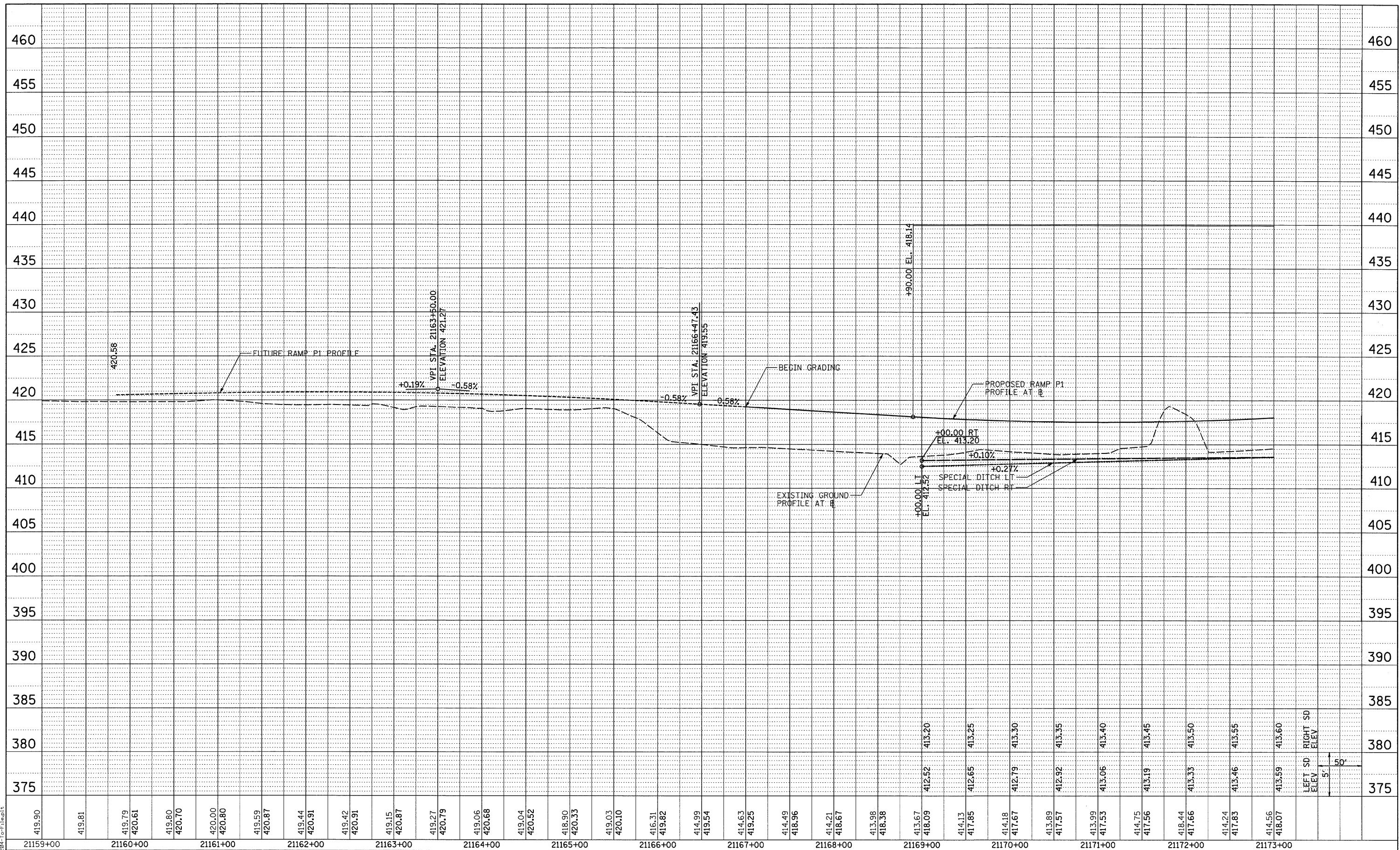
PLAN
 PROPOSED RAMP P1

SCALE: 1" = 50' SHEET NO. 6 OF 16 SHEETS STA. 21159+65.85 TO STA. 21173+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	31
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

PLAN	
DATE	BY
NOTED	NOTED
PLANNED	PLANNED
CHECKED	CHECKED
REVISIONS	REVISIONS
APP. NO.	APP. NAME

PROFILE	
DATE	BY
NOTED	NOTED
PLANNED	PLANNED
CHECKED	CHECKED
REVISIONS	REVISIONS
APP. NO.	APP. NAME



LAST SAVED = 3/13/2010
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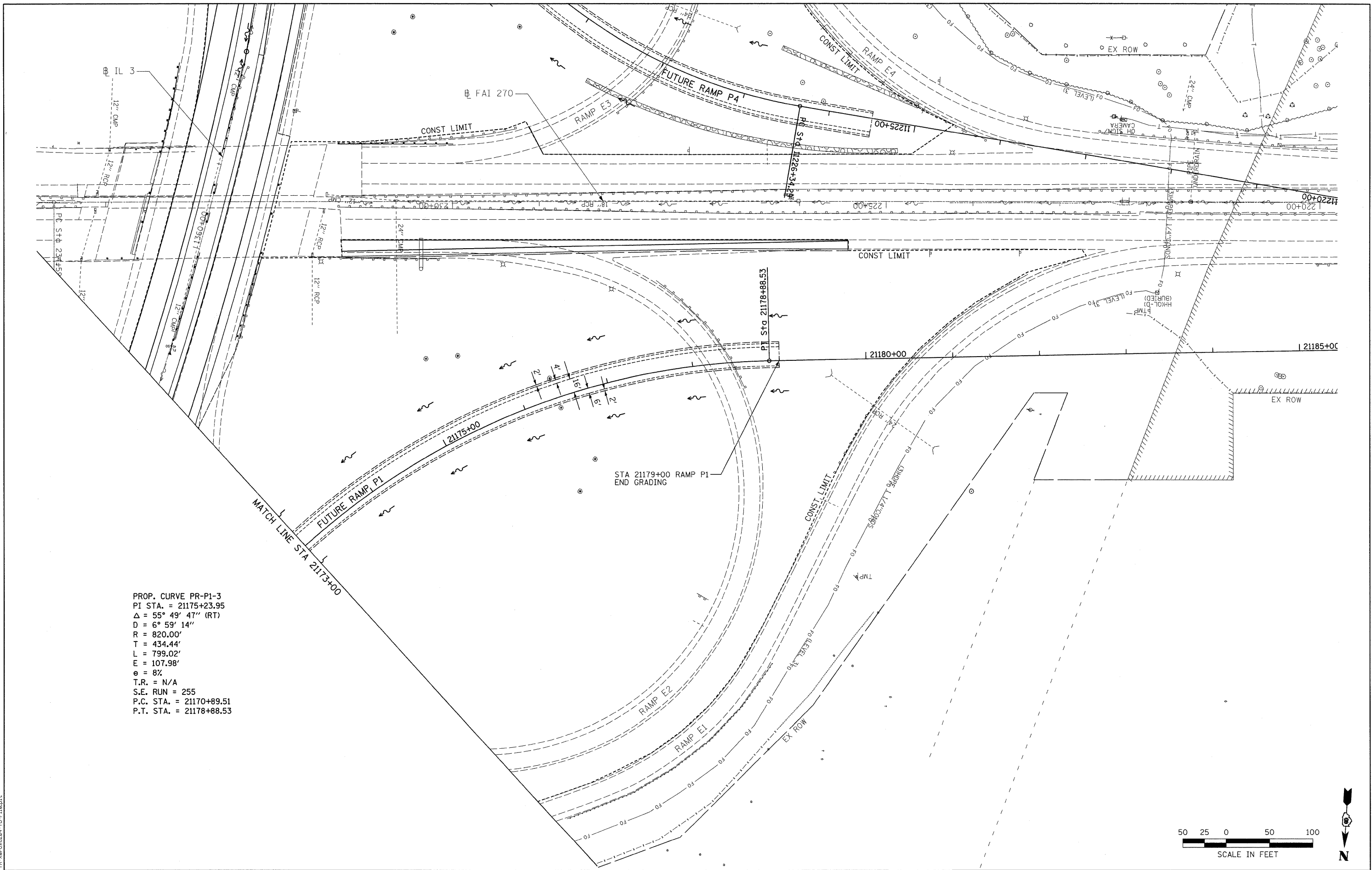
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



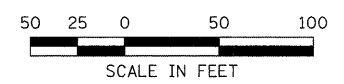
PROFILES
 PROPOSED RAMP P1

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	32
CONTRACT NO. 76D87				

SCALE: SEE SHT SHEET NO. 7 OF 16 SHEETS STA. 21159+65.85 TO STA. 21173+00 ILLINOIS FED. AID PROJECT



PROP. CURVE PR-P1-3
 PI STA. = 21175+23.95
 $\Delta = 55^\circ 49' 47''$ (RT)
 $D = 6^\circ 59' 14''$
 $R = 820.00'$
 $T = 434.44'$
 $L = 799.02'$
 $E = 107.98'$
 $e = 8\%$
 $T.R. = N/A$
 $S.E. RUN = 255$
 $P.C. STA. = 21170+89.51$
 $P.T. STA. = 21178+88.53$



LAST SAVED = 3/13/2010
 PEN TABLE = V8.tbl
 PLOT DRIVER = TR:Veroc6284-To-File.plt

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORNER & SHIFRIN, INC.
 ENGINEERS

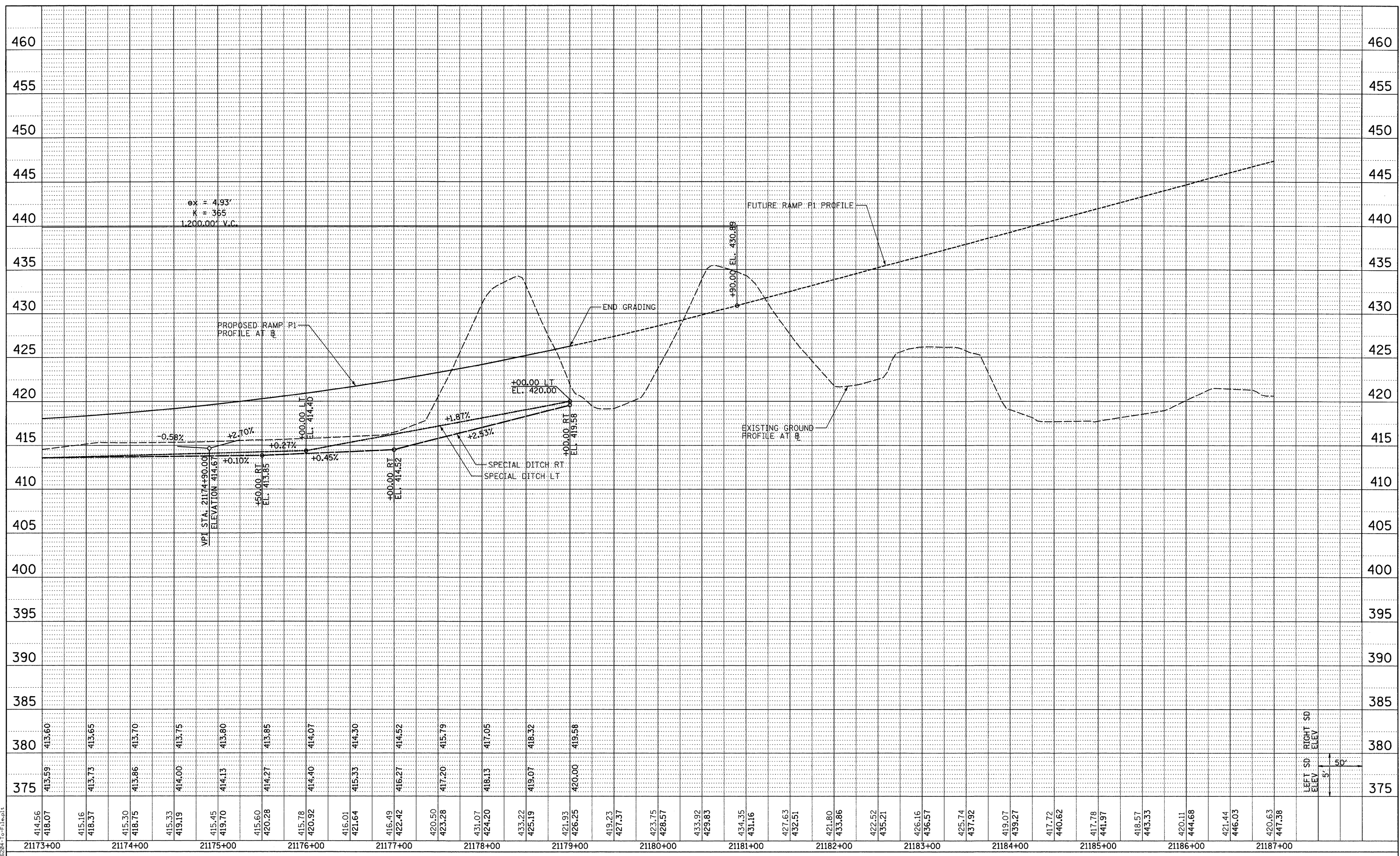
PLAN
 PROPOSED RAMP P1

SCALE: 1" = 50' SHEET NO. 8 OF 16 SHEETS STA. 21173+00 TO STA. 21184+25.91

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	33
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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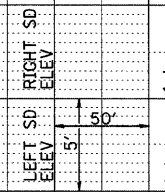
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		DATE -	REVISED -

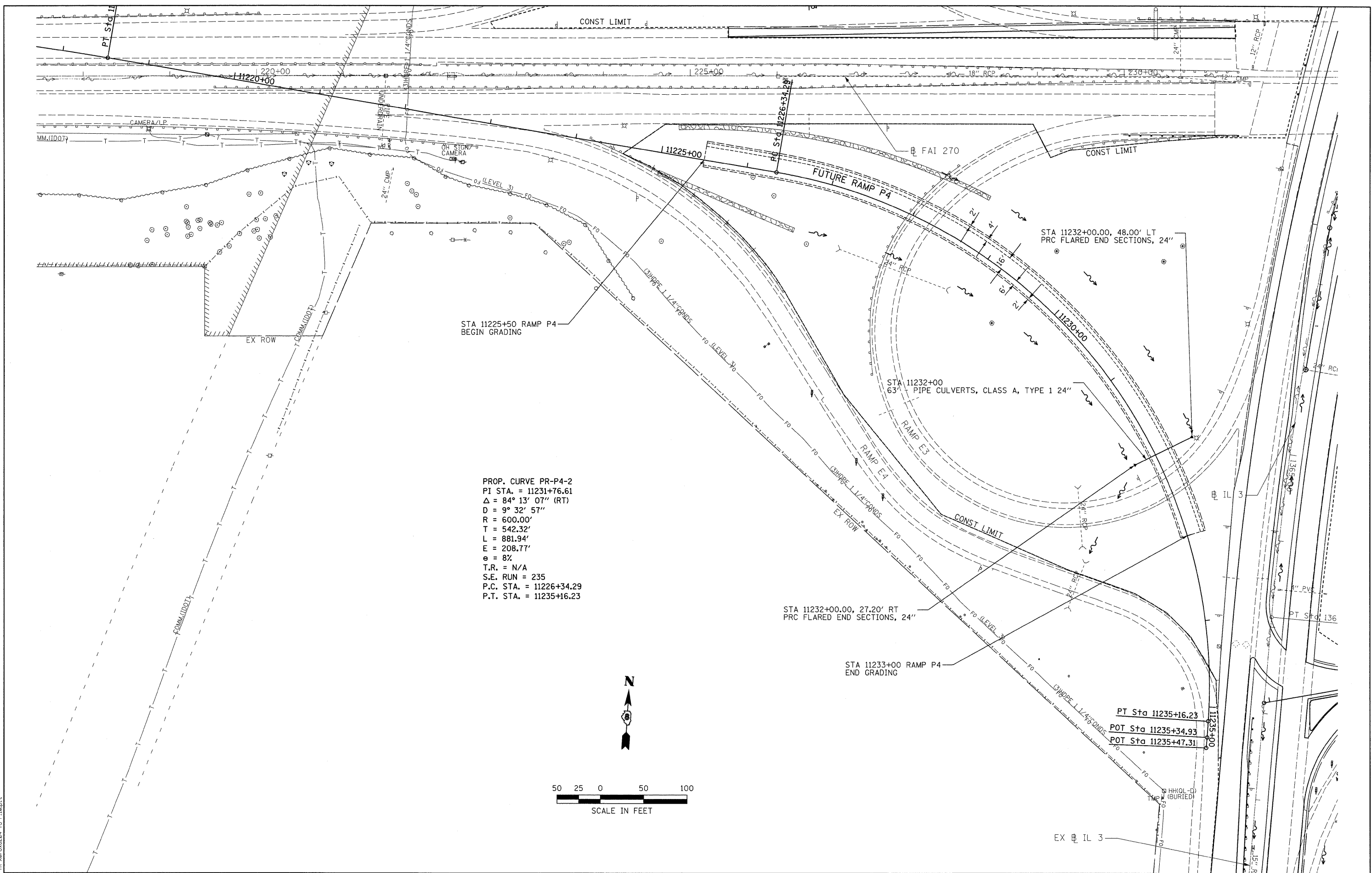
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



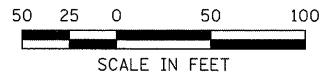
PROFILES
 PROPOSED RAMP P1
 SCALE: SEE SHT SHEET NO. 9 OF 16 SHEETS STA. 21173+00 TO STA. 21187+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	34
CONTRACT NO. T6D87			ILLINOIS FED. AID PROJECT	





PROP. CURVE PR-P4-2
 PI STA. = 11231+76.61
 $\Delta = 84^\circ 13' 07''$ (RT)
 $D = 9^\circ 32' 57''$
 $R = 600.00'$
 $T = 542.32'$
 $L = 881.94'$
 $E = 208.77'$
 $e = 8\%$
 $T.R. = N/A$
 $S.E. RUN = 235$
 $P.C. STA. = 11226+34.29$
 $P.T. STA. = 11235+16.23$



LAST SAVED = 3/16/2010
 PEN TABLE = V8.tbl
 PLOT DRIVER = TR-Xerox6284-Te-File.plt

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

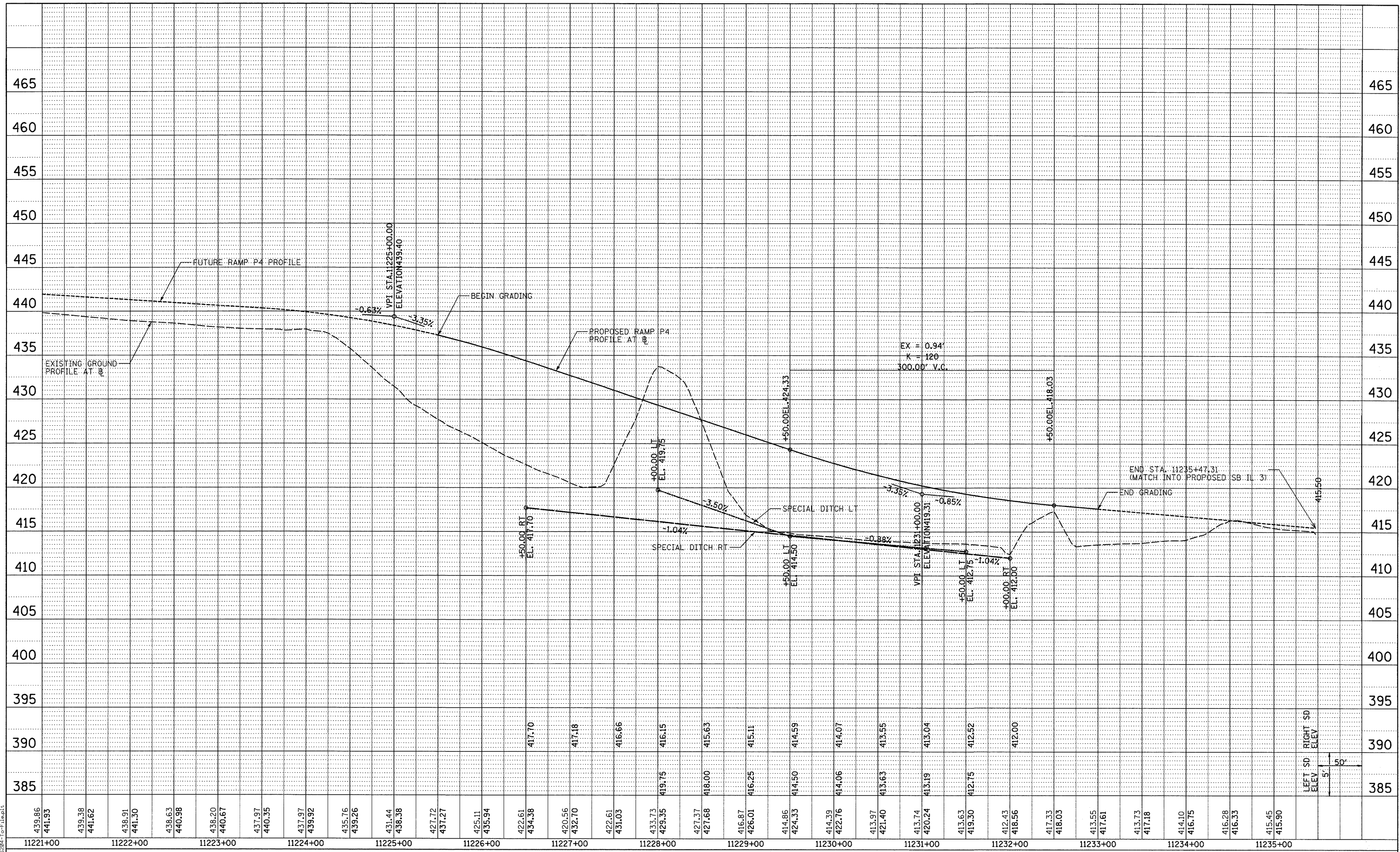


PLAN
 PROPOSED RAMP P4
 SCALE: 1" = 50'
 SHEET NO. 10 OF 16 SHEETS
 STA. 11221+00 TO STA. 11235+47.31

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 35
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	REVISIONS		
	NO. OF MAY CHECKED		
	CADD FILE NAME		

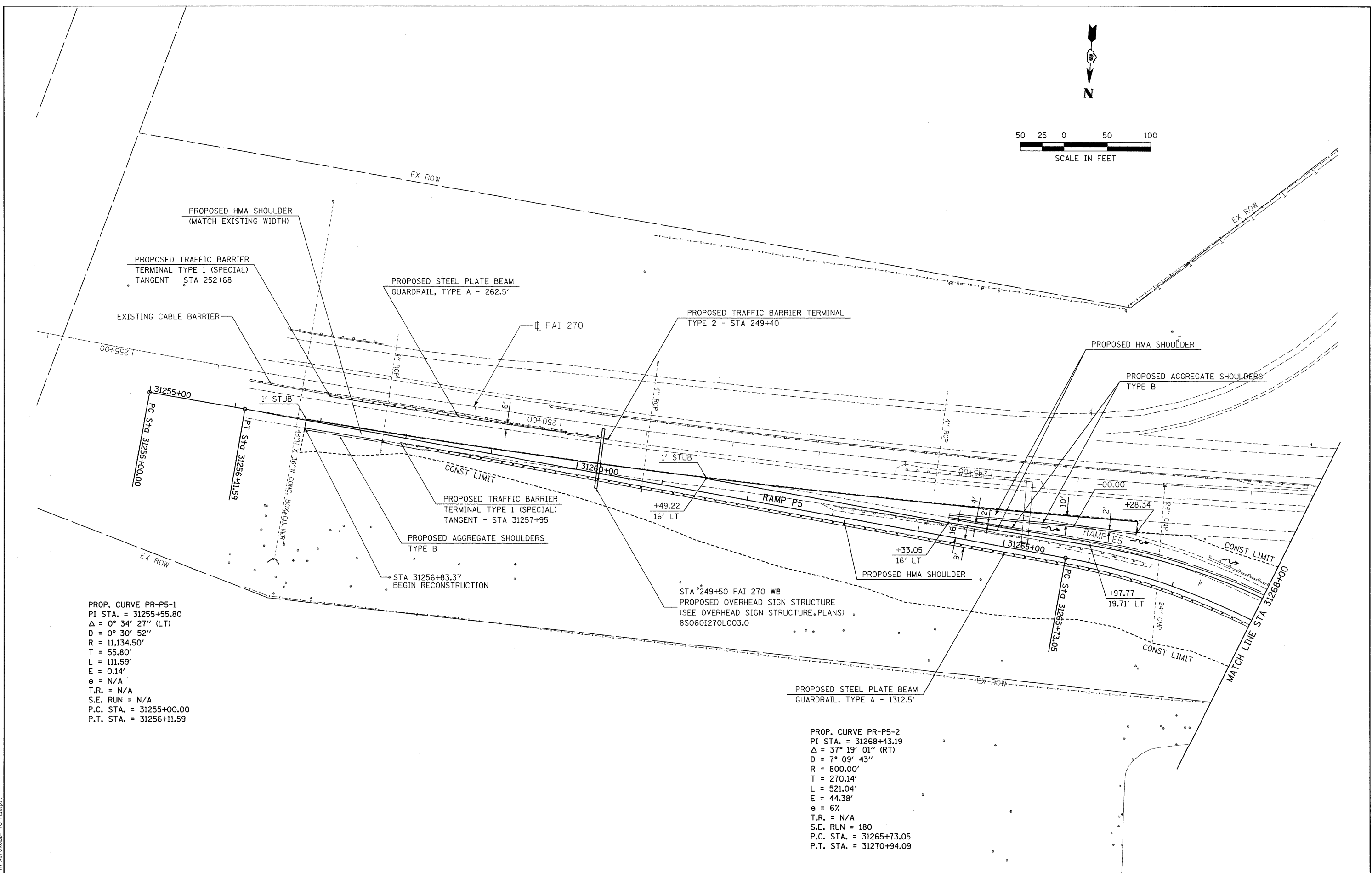
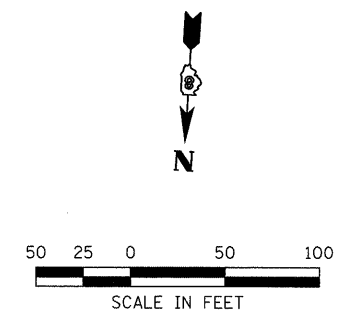
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	PLOTTED		
	NOTED		
	REVISIONS		
	NO. OF MAY CHECKED		
	STRUCTURE NOTATIONS CHRD		



LAST SAVED = 3/13/2010
PEN TABLE = V8.tbl
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FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORNOR & SHIFRIN, INC. ENGINEERS	PROFILES		F.A.I. RTE. 270 SECTION 60-2RS-3 COUNTY MADISON TOTAL SHEETS 231 SHEET NO. 36 CONTRACT NO. 76D87 ILLINOIS FED. AID PROJECT	
U:\09066600\09066601\cad\t\plans\020_D876087-Sht-Profile-RampP4.dgn		DRAWN -	REVISED -			PROPOSED RAMP P4			
PLOT SCALE = 50.0023' / IN.		CHECKED -	REVISED -			SCALE: SEE SHT	SHEET NO. 11 OF 16 SHEETS		STA. 11221+00 TO STA. 11235+47.31
PLOT DATE = 3/16/2010 4:38:44 PM		DATE -	REVISED -						

LEFT SD ELEV 5'
RIGHT SD ELEV 5'



PROP. CURVE PR-P5-1
 PI STA. = 31255+55.80
 Δ = 0° 34' 27" (LT)
 D = 0° 30' 52"
 R = 11,134.50'
 T = 55.80'
 L = 111.59'
 E = 0.14'
 e = N/A
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 31255+00.00
 P.T. STA. = 31256+11.59

PROP. CURVE PR-P5-2
 PI STA. = 31268+43.19
 Δ = 37° 19' 01" (RT)
 D = 7° 09' 43"
 R = 800.00'
 T = 270.14'
 L = 521.04'
 E = 44.38'
 e = 6%
 T.R. = N/A
 S.E. RUN = 180
 P.C. STA. = 31265+73.05
 P.T. STA. = 31270+94.09

LAST SAVED = 3/16/2010
 PEN TABLE = V8.tbl
 PLOT DRIVER = TR-Xerox6284-1c-File.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
1:\0906600\0906601\cad\1\plans\021.087\087-Sht-Plan-RampP5-01.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0023' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/16/2010 4:38:46 PM		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HORNER &
 SHIFRIN, INC.
 ENGINEERS**

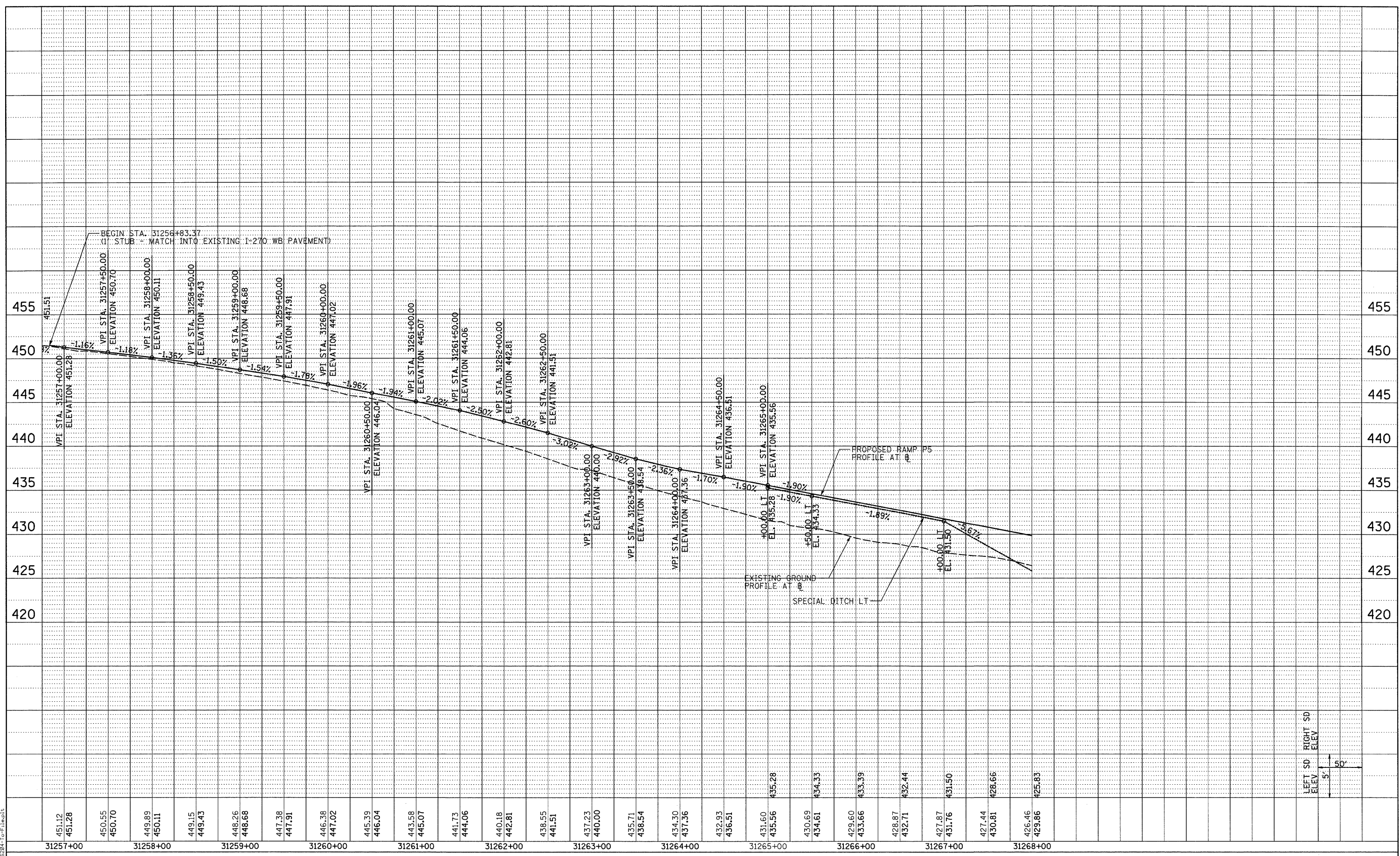
PLAN
 PROPOSED RAMP P5

SCALE: 1" = 50' SHEET NO. 12 OF 16 SHEETS STA. 31256+83.49 TO STA. 31268+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	37
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

PLAN SURVEYED BY DATE
 PLOTTED BY
 CHECKED BY
 NOTE BOOK NO. DATE
 FILE NAME

PROFILE SURVEYED BY DATE
 PLOTTED BY
 CHECKED BY
 NOTE BOOK NO. DATE
 FILE NAME



LAST SAVED = 3/19/2010
 PEN TABLE = 18.141
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FILE NAME =
 USER NAME = sdonahue
 DESIGNED -
 DRAWN -
 CHECKED -
 PLOT DATE = 3/16/2010 4:38:49 PM

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

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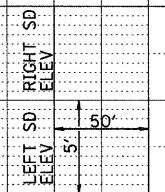
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



PROFILES
 PROPOSED RAMP P5
 SCALE: SEE SHT SHEET NO. 13 OF 16 SHEETS STA. 31256+83.37 TO STA. 31268+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	38

CONTRACT NO. T6D87
 ILLINOIS FED. AID PROJECT

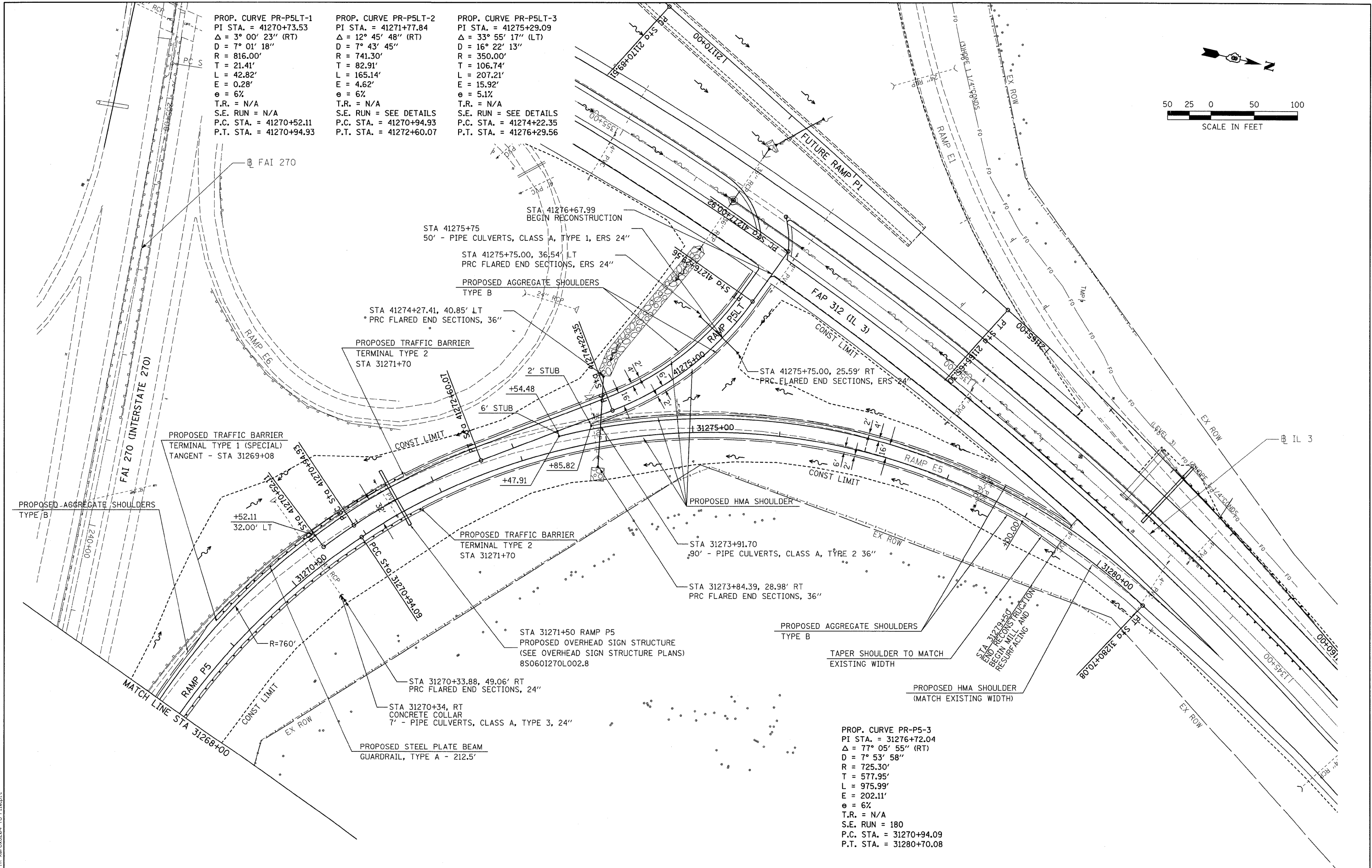
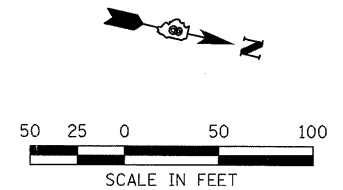


PROP. CURVE PR-P5LT-1
 PI STA. = 41270+73.53
 $\Delta = 3^\circ 00' 23''$ (RT)
 $D = 7^\circ 01' 18''$
 $R = 816.00'$
 $T = 21.41'$
 $L = 42.82'$
 $E = 0.28'$
 $e = 6\%$
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 41270+52.11
 P.T. STA. = 41270+94.93

PROP. CURVE PR-P5LT-2
 PI STA. = 41271+77.84
 $\Delta = 12^\circ 45' 48''$ (RT)
 $D = 7^\circ 43' 45''$
 $R = 741.30'$
 $T = 82.91'$
 $L = 165.14'$
 $E = 4.62'$
 $e = 6\%$
 T.R. = N/A
 S.E. RUN = SEE DETAILS
 P.C. STA. = 41270+94.93
 P.T. STA. = 41272+60.07

PROP. CURVE PR-P5LT-3
 PI STA. = 41275+29.09
 $\Delta = 33^\circ 55' 17''$ (LT)
 $D = 16^\circ 22' 13''$
 $R = 350.00'$
 $T = 106.74'$
 $L = 207.21'$
 $E = 15.92'$
 $e = 5.1\%$
 T.R. = N/A
 S.E. RUN = SEE DETAILS
 P.C. STA. = 41274+22.35
 P.T. STA. = 41276+29.56

PROP. CURVE PR-P5-3
 PI STA. = 31276+72.04
 $\Delta = 77^\circ 05' 55''$ (RT)
 $D = 7^\circ 53' 58''$
 $R = 725.30'$
 $T = 577.95'$
 $L = 975.99'$
 $E = 202.11'$
 $e = 6\%$
 T.R. = N/A
 S.E. RUN = 180
 P.C. STA. = 31270+94.09
 P.T. STA. = 31280+70.08



LAST SAVED = 3/16/2010
 PEN TABLE = V6.tbl
 PLOT DRIVER = TR-Xerox6284-TopFile.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
\\0906600\0906601\oad\l\plans\023.087	087-Sht-Plan-RampP5-02.dgn	DRAWN -	REVISED -
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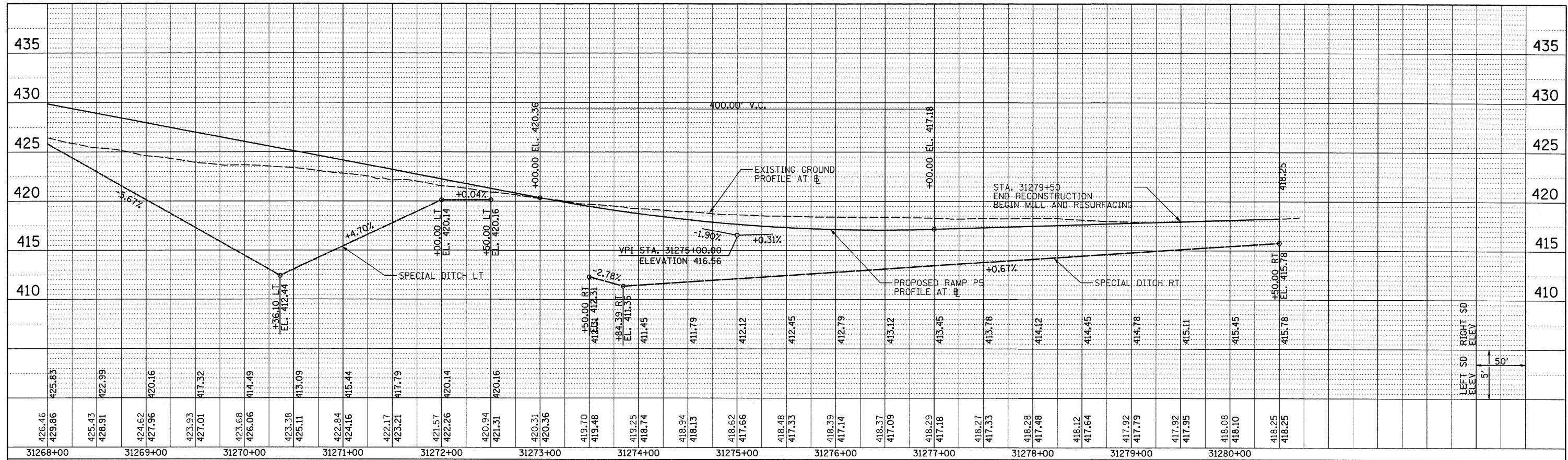
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



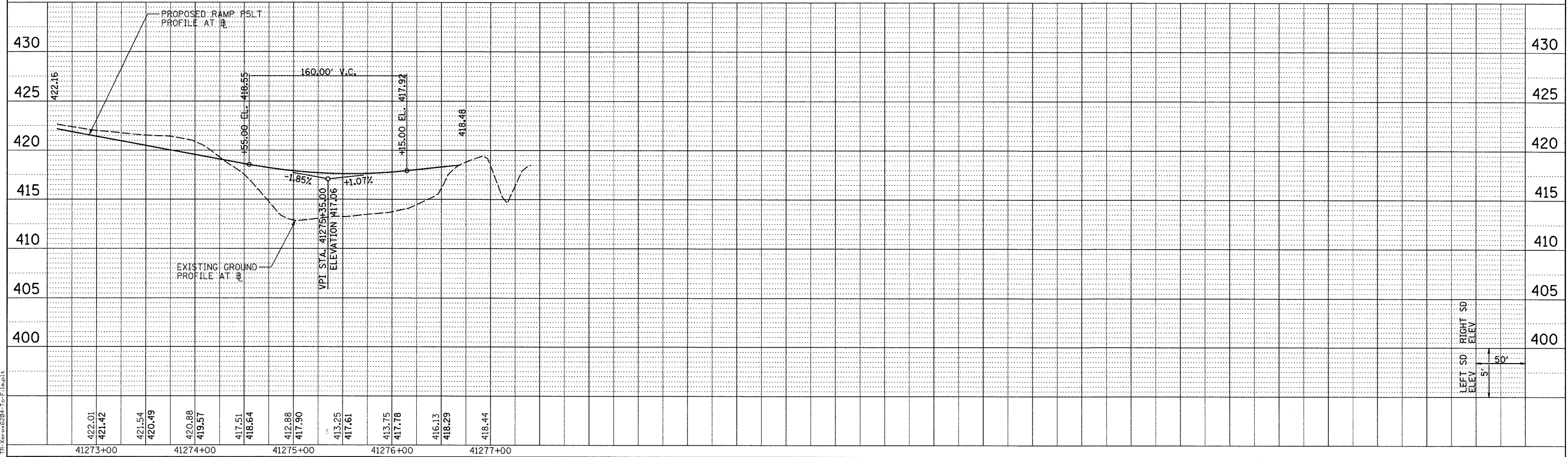
PLAN
 PROPOSED RAMP P5 & P5LT
 SCALE: 1" = 50'
 SHEET NO. 14 OF 16 SHEETS
 STA. 31268+00 TO STA. 31280+70.08

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	39
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	REV. OF WAY CHECKED		
	NO.		
	CADD FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	REV. OF WAY CHECKED		
	NO.		
	STRUCTURE NOTATIONS CHKD		



LAST SAVED = 3/19/2010
 PEN TABLE = 10, 341
 PLOT DRIVER = TR:Acad6284-For:File.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
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PLOT DATE = 3/16/2010 4:38:55 PM		DATE -	REVISED -

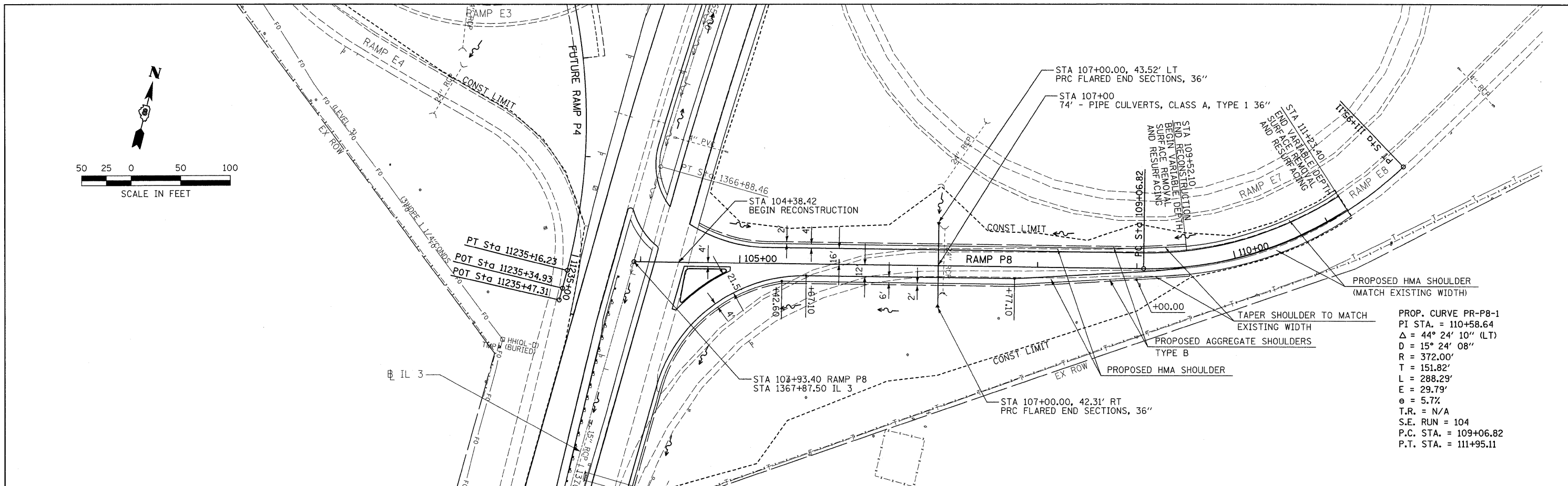
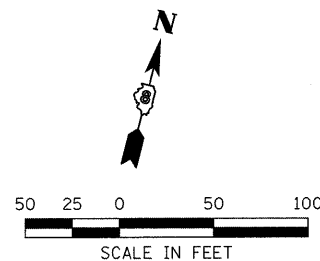
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



PROFILES
 PROPOSED RAMP P5 AND P5LT
 SCALE: SEE SHT SHEET NO. 15 OF 16 SHEETS STA. 31268+00 TO STA. 31280+70.08

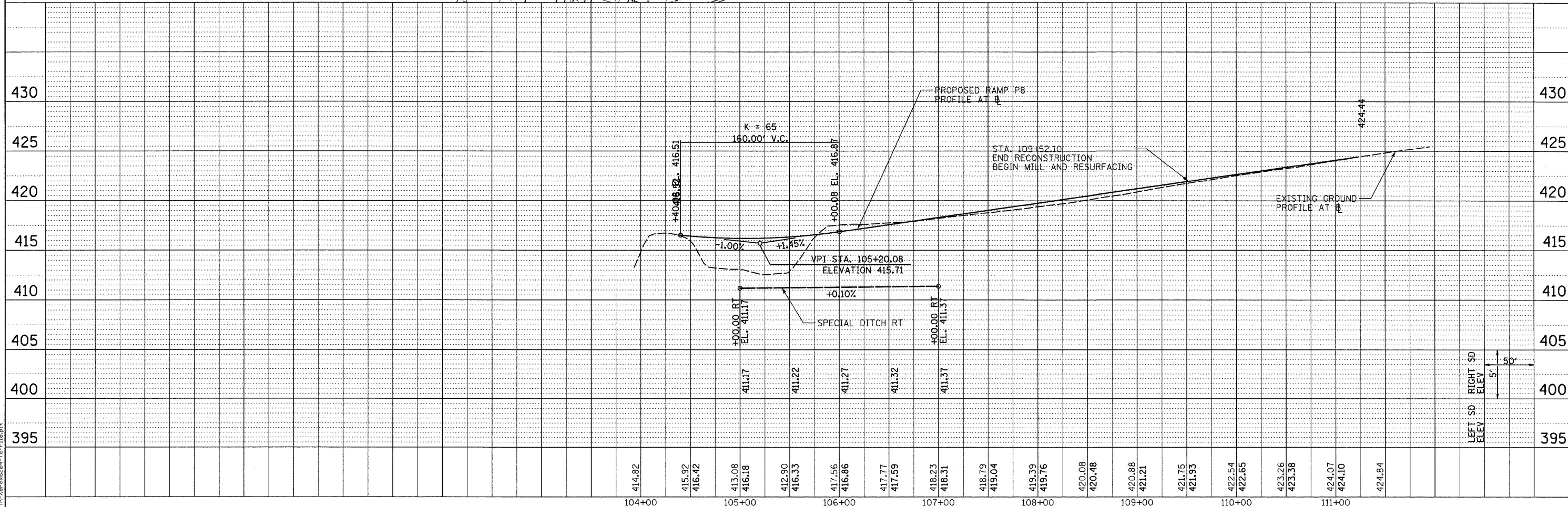
F.A.I. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	40
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	RTI OF WAY CHECKED	
	NO. _____	
	CAAD FILE NAME	



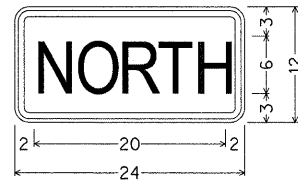
PROP. CURVE PR-P8-1
 PI STA. = 110+58.64
 $\Delta = 44^\circ 24' 10''$ (LT)
 $D = 15^\circ 24' 08''$
 $R = 372.00'$
 $T = 151.82'$
 $L = 288.29'$
 $E = 29.79'$
 $e = 5.7\%$
 $T.R. = N/A$
 $S.E. RUN = 104$
 $P.C. STA. = 109+06.82$
 $P.T. STA. = 111+95.11$

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	STRUCTURE NOTATIONS CHRG	
	NO. _____	

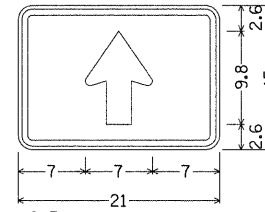


LAST SAVED = 3/16/2010
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 PLOT DRIVER = TR-V60x6204-Ts-F10p14

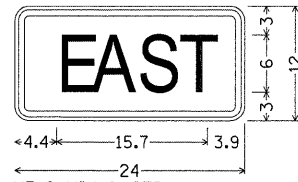
FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -		PLAN PROPOSED RAMP P8	F.A.I. RTE. = 270	SECTION = 60-2RS-3	COUNTY = MADISON	TOTAL SHEETS = 231	SHEET NO. = 41		
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PLOT DATE = 3/16/2010 4:38:58 PM	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT						



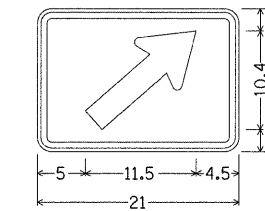
M3-1 MIN & STD;
1.5" Radius, 0.6" Border, 0.4" Indent, Black on White;
[NORTH] C 80ø spacing;



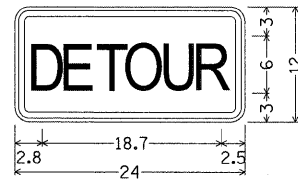
M6-3;
1.5" Radius, 0.6" Border, 0.4" Indent, Black on White;



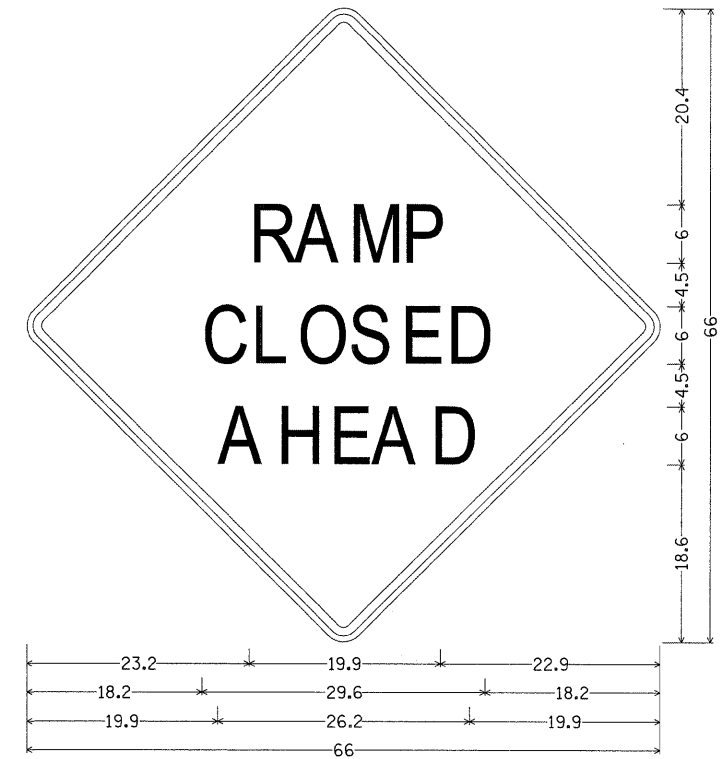
M3-2 MIN & STD;
1.5" Radius, 0.6" Border, 0.4" Indent, Black on White;
[EAST] C;



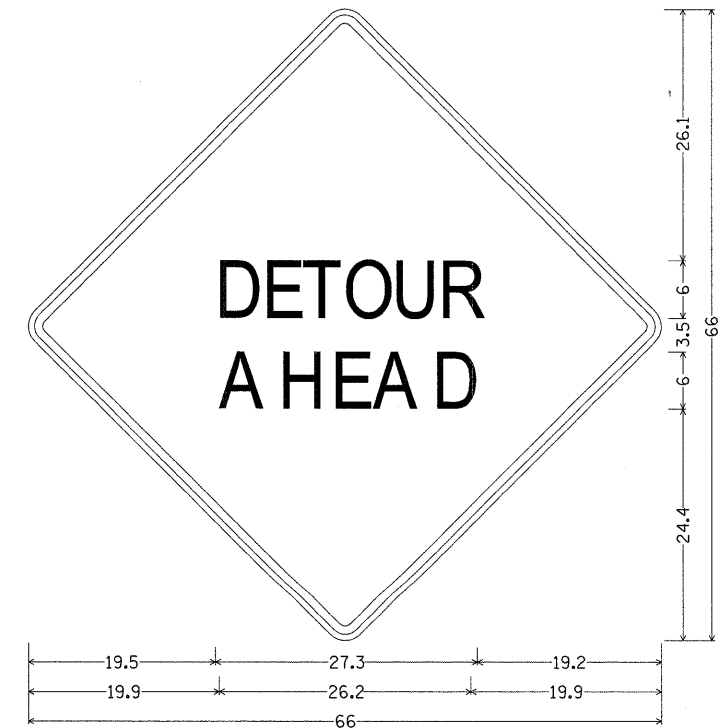
M6-2;
1.5" Radius, 0.6" Border, 0.4" Indent, Black on White;



M4-8 MIN & STD;
1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
[DETOUR] B 80ø spacing;



W20-2 MIN;
48.0" across sides 2.3" Radius, 0.9" Border, 0.6" Indent, Black on Orange;
[RAMP] D 60ø spacing; [CLOSED] D; [AHEAD] D 102ø spacing;



W20-2 MIN;
48.0" across sides 2.3" Radius, 0.9" Border, 0.6" Indent, Black on Orange;
[DETOUR] D 60ø spacing; [AHEAD] D 102ø spacing;

DETOUR SIGN SCHEDULE									
	ARROW DIAGONAL	ARROW UP	DETOUR	ILLINOIS 3	INTERSTATE 270	EAST	NORTH	RAMP CLOSED AHEAD	DETOUR AHEAD
STAGE 1	3	1	4		4	4		1	1
STAGE 2	3	1	4	4			4	1	1
TOTAL SETUPS	2	2	2	1	1	1	1	2	2
QUANTITY NEEDED	3	1	4	4	4	4	4	1	1

LAST SAVED = 3/13/2010
PEN TABLE = V8.tbl
PLOT DRIVER = TR-Xerox6204-To-File.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORNER & SHIFFRIN, INC. ENGINEERS	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL DETOUR SIGNS	F.A.I. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\0906600\0906601\cad\plans\026.087\0267-Sht-Staging-Details.dgn	PLOT SCALE = 50.0023' / IN.	DRAWN -	REVISED -				270	60-2RS-3	MADISON	231	42
PLOT DATE = 3/16/2010 4:39:00 PM	DATE -	CHECKED -	REVISED -				CONTRACT NO. 76D87				
							ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC STAGE 1

SEQUENCE OF CONSTRUCTION

1. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT PROJECT STARTUP AT LOCATIONS PRECEDING THE IL 3 & I-270 INTERCHANGE ON EACH LEG AS DIRECTED BY THE ENGINEER.
2. CLOSE RAMP E8 AND IMPLEMENT A THREE RAMP DETOUR.
3. CONSTRUCT WIDENING FOR THE SOUTHBOUND IL 3 TURN LANE TO RAMP P8.
4. CONSTRUCT WIDENING FOR NORTHBOUND IL 3 TURN LANE TO RAMP P8.
5. CONSTRUCT/RECONSTRUCT RAMP P8 TO NEW ALIGNMENT.
7. OPEN RECONSTRUCTED RAMP P8.

TRAFFIC PLACEMENT

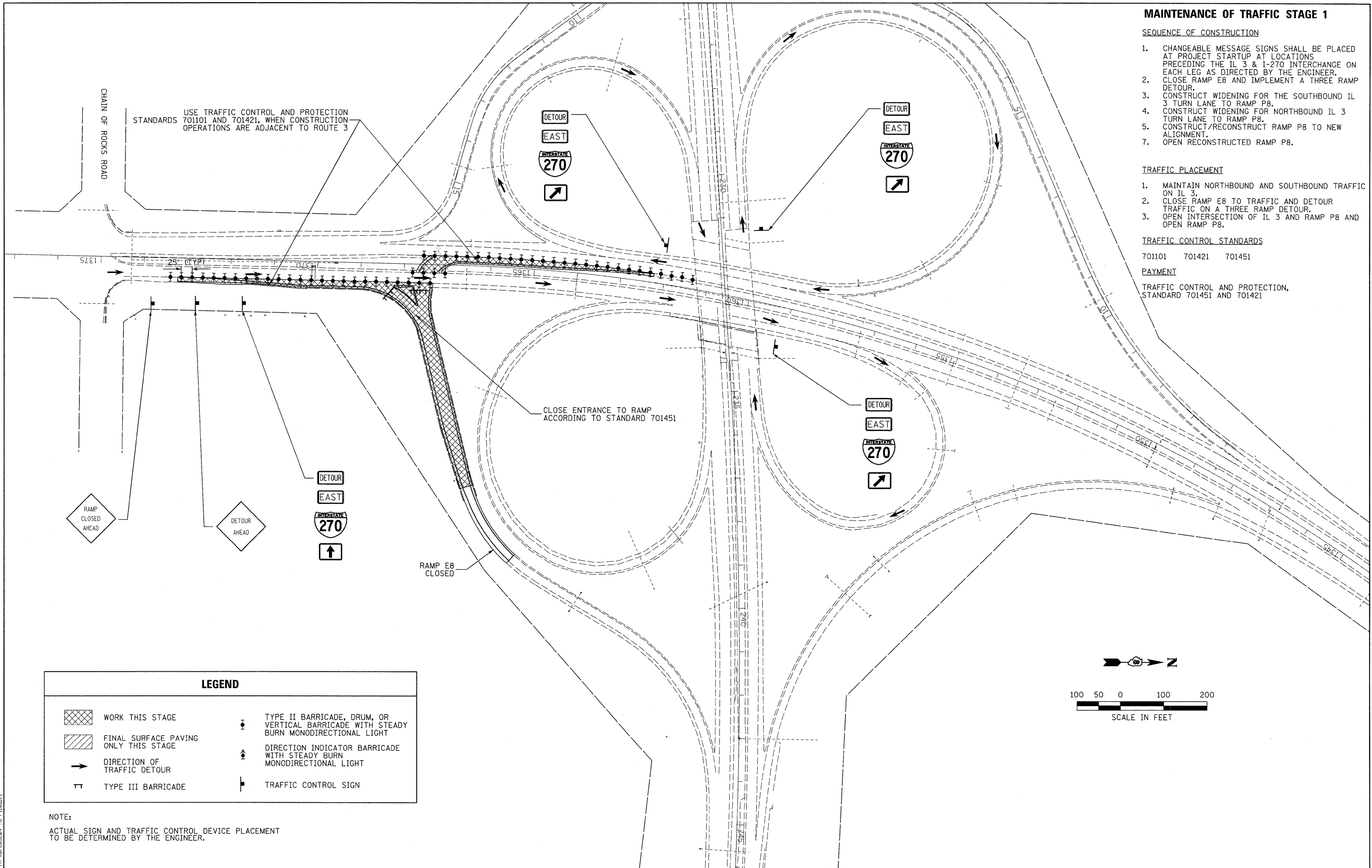
1. MAINTAIN NORTHBOUND AND SOUTHBOUND TRAFFIC ON IL 3.
2. CLOSE RAMP E8 TO TRAFFIC AND DETOUR TRAFFIC ON A THREE RAMP DETOUR.
3. OPEN INTERSECTION OF IL 3 AND RAMP P8 AND OPEN RAMP P8.

TRAFFIC CONTROL STANDARDS

701101 701421 701451

PAYMENT

TRAFFIC CONTROL AND PROTECTION, STANDARD 701451 AND 701421



USE TRAFFIC CONTROL AND PROTECTION STANDARDS 701101 AND 701421, WHEN CONSTRUCTION OPERATIONS ARE ADJACENT TO ROUTE 3

CLOSE ENTRANCE TO RAMP ACCORDING TO STANDARD 701451

RAMP CLOSED AHEAD

DETOUR AHEAD

LEGEND

	WORK THIS STAGE		TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	FINAL SURFACE PAVING ONLY THIS STAGE		DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	DIRECTION OF TRAFFIC DETOUR		TRAFFIC CONTROL SIGN
	TYPE III BARRICADE		

NOTE:

ACTUAL SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT TO BE DETERMINED BY THE ENGINEER.

LAST SAVED = 3/14/2010
 PEN TABLE = V8.4b1
 PLOT DRIVER = TR-Xerox6284-To-File.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
\\0906600\0906601\oad\l_p\ans\027_087\087-Shr-Staging1-01.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0045' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/16/2010 4:39:03 PM		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HORNER &
SHIFRIN, INC.
ENGINEERS**

**SUGGESTED STAGES OF CONSTRUCTION
AND TRAFFIC CONTROL**
STAGE 1

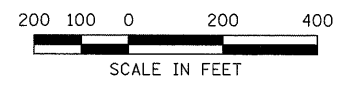
SCALE: 1" = 100'

SHEET NO. 2 OF 7 SHEETS

STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	43
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	

ILLINOIS
3



RAMP E8 DETOUR ROUTE

1. NORTHBOUND IL RTE 3 TO I-270 WESTBOUND RAMP
2. I-270 WESTBOUND TO IL RTE 3 SOUTHBOUND RAMP
3. IL RTE 3 SOUTHBOUND TO I-270 EASTBOUND RAMP

NOTES:

1. CONTRACTOR SHALL SUPPLY ALL DETOUR SIGNS.
2. SIGN FACES SHALL CONSIST OF RETROREFLECTIVE SHEETING WITH THE APPROPRIATE SCREENED MESSAGE.
3. CONTRACTOR WILL FURNISH THE POSTS/SKIDS AND ERECT THE SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
4. UPON COMPLETION OF THE CLOSURE, THE CONTRACTOR SHALL REMOVE THE SIGNS AND POSTS WHICH WILL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. DURING THE CLOSURE, TYPE 3 BARRICADES WITH ROAD CLOSED SIGNS ATTACHED SHALL SHUT-OFF ACCESS. TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT SHALL ALSO BE PLACED TO DELINEATE ROAD CLOSURE, AT THE DIRECTION OF THE RESIDENT ENGINEER OR TECHNICIAN.
6. THE ABOVE NOTED WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE LUMP SUM FOR TRAFFIC CONTROL AND PROTECTION AND NO OTHER COMPENSATION WILL BE ALLOWED.



RAMP E8 CLOSED

PLEASE REFER TO THE LAYOUT SHEET FOR PORTABLE CHANGEABLE MESSAGE SIGN LOCATIONS.

CHAIN OF ROCKS ROAD

IL TERMINAL RR

LAST SAVED = 3/14/2010
PEN TABLE = VB.tbl
PLOT DRIVER = TR-Xerox6284-Te-File.plt

FILE NAME =
USER NAME = sdonehue
DESIGNED -
DRAWN -
PLOT SCALE = 200.0091' / IN.
PLOT DATE = 3/16/2010 4:39:06 PM

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORNER &
SHIFRIN, INC.
ENGINEERS

SUGGESTED STAGES OF CONSTRUCTION
AND TRAFFIC CONTROL
STAGE 1 DETOUR

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	44
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 200' SHEET NO. 3 OF 7 SHEETS STA. TO STA.

MAINTENANCE OF TRAFFIC STAGE 2

SEQUENCE OF CONSTRUCTION

1. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT PROJECT STARTUP AT LOCATIONS PRECEDING THE IL 3 & I-270 INTERCHANGE ON EACH LEG AS DIRECTED BY THE ENGINEER.
2. CLOSE RAMP E-5 AND IMPLEMENT A THREE RAMP DETOUR.
3. INSTALL CULVERT IN MEDIAN AT THE PROPOSED INTERSECTION IL 3 RAMP P5LT.
4. CONSTRUCT INTERSECTION OF IL 3 AND RAMP P5LT.
5. CONSTRUCT NEW RAMP P5LT.
6. INSTALL SIGNALS FOR INTERSECTION OF IL 3 AND RAMP P5LT.
7. CONSTRUCT/RECONSTRUCT RAMP P5 TO NEW ALIGNMENT.
8. OPEN RECONSTRUCTED RAMPS P5/P5LT AND THE SIGNALIZED INTERSECTION OF IL 3 AND RAMP P5LT.

TRAFFIC PLACEMENT

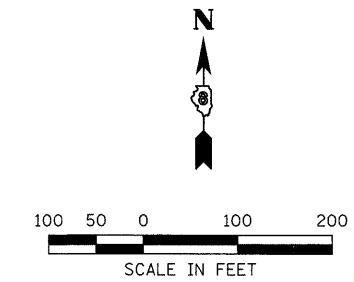
1. MAINTAIN NORTHBOUND AND SOUTHBOUND TRAFFIC ON IL 3.
2. CLOSE RAMP E-5 TO TRAFFIC AND DETOUR TRAFFIC ON A THREE RAMP DETOUR.
3. OPEN INTERSECTION OF IL 3 AND RAMP P5LT. OPEN RAMPS P5 AND P5LT.

TRAFFIC CONTROL STANDARDS

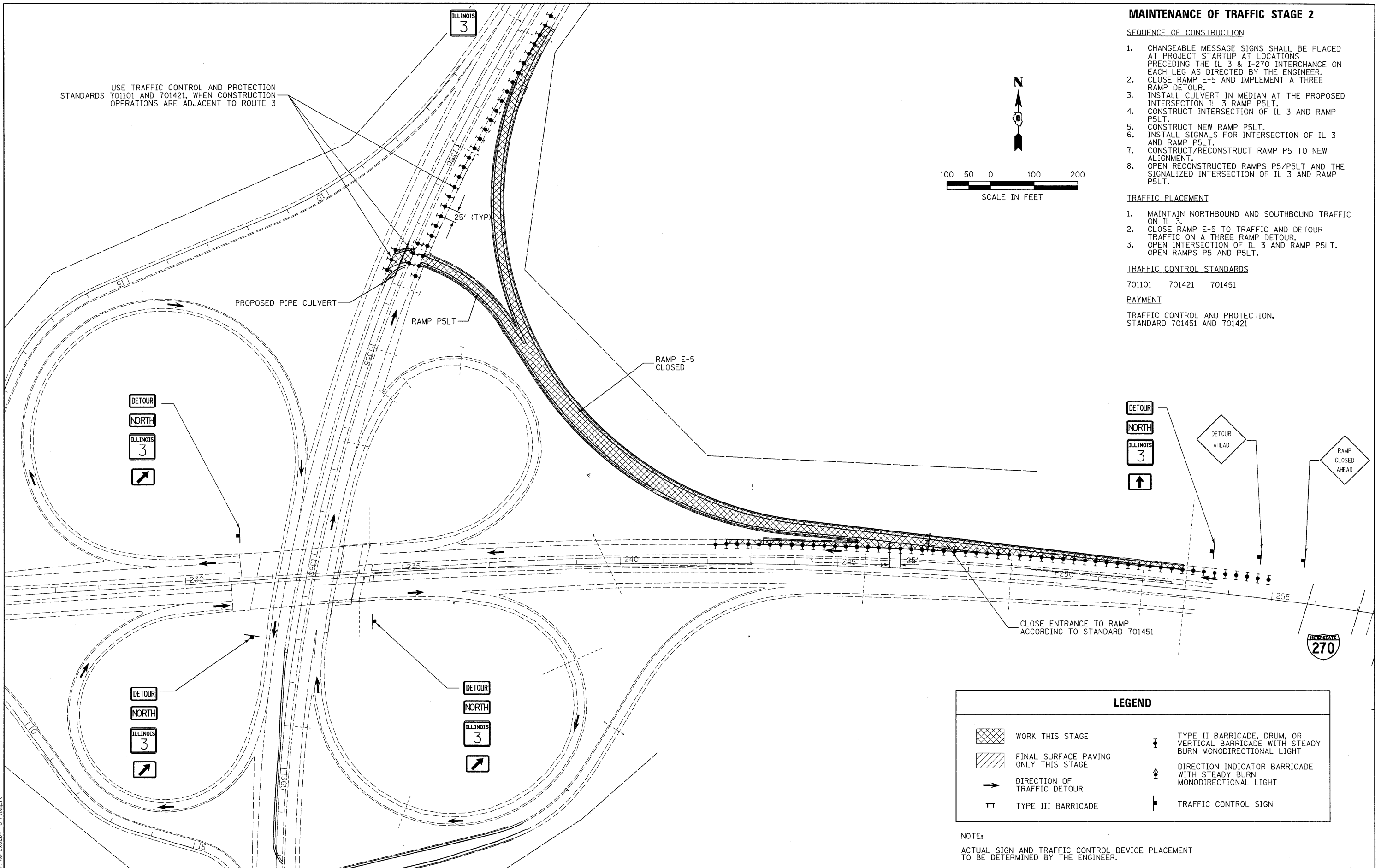
701101 701421 701451

PAYMENT

TRAFFIC CONTROL AND PROTECTION, STANDARD 701451 AND 701421



USE TRAFFIC CONTROL AND PROTECTION STANDARDS 701101 AND 701421, WHEN CONSTRUCTION OPERATIONS ARE ADJACENT TO ROUTE 3



LEGEND

- WORK THIS STAGE
- FINAL SURFACE PAVING ONLY THIS STAGE
- DIRECTION OF TRAFFIC DETOUR
- TYPE III BARRICADE
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TRAFFIC CONTROL SIGN

NOTE:
ACTUAL SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT TO BE DETERMINED BY THE ENGINEER.

LAST SAVED = 3/14/2010
 PEN TABLE = V6.tbl
 PLOT DRIVER = TR-Xerox6284-Tc-File.plt

FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
1:\0906600\0906601\oad\l\plans\029.087\087-Sht-Staging2-01.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0045' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/16/2010 4:39:08 PM		DATE -	REVISED -

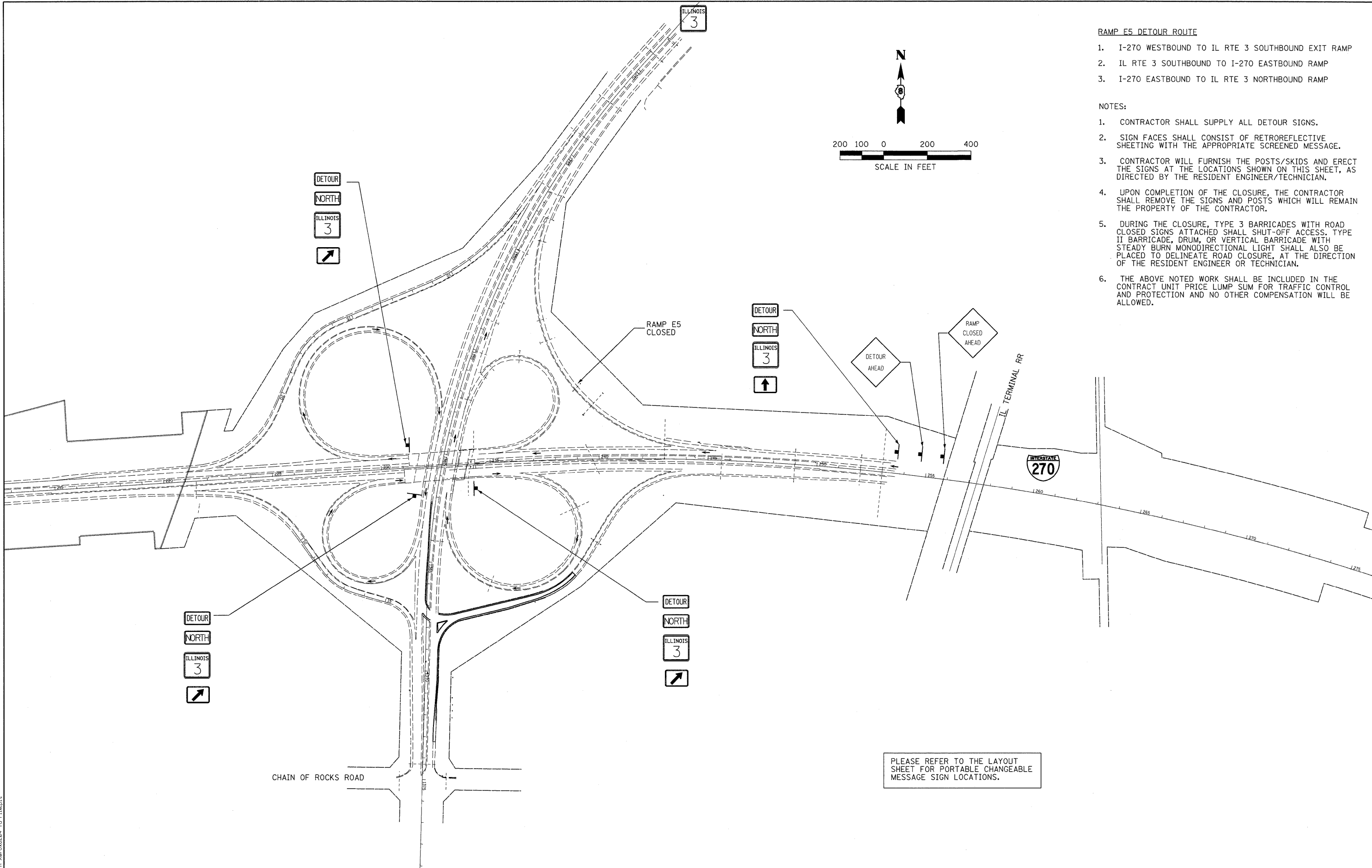
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HORNER &
SHIFRIN, INC.
ENGINEERS**

**SUGGESTED STAGES OF CONSTRUCTION
AND TRAFFIC CONTROL**
STAGE 2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	45
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 100' SHEET NO. 4 OF 7 SHEETS STA. TO STA.



- RAMP E5 DETOUR ROUTE**
1. I-270 WESTBOUND TO IL RTE 3 SOUTHBOUND EXIT RAMP
 2. IL RTE 3 SOUTHBOUND TO I-270 EASTBOUND RAMP
 3. I-270 EASTBOUND TO IL RTE 3 NORTHBOUND RAMP

- NOTES:**
1. CONTRACTOR SHALL SUPPLY ALL DETOUR SIGNS.
 2. SIGN FACES SHALL CONSIST OF RETROREFLECTIVE SHEETING WITH THE APPROPRIATE SCREENED MESSAGE.
 3. CONTRACTOR WILL FURNISH THE POSTS/SKIDS AND ERECT THE SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
 4. UPON COMPLETION OF THE CLOSURE, THE CONTRACTOR SHALL REMOVE THE SIGNS AND POSTS WHICH WILL REMAIN THE PROPERTY OF THE CONTRACTOR.
 5. DURING THE CLOSURE, TYPE 3 BARRICADES WITH ROAD CLOSED SIGNS ATTACHED SHALL SHUT-OFF ACCESS. TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT SHALL ALSO BE PLACED TO DELINEATE ROAD CLOSURE, AT THE DIRECTION OF THE RESIDENT ENGINEER OR TECHNICIAN.
 6. THE ABOVE NOTED WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE LUMP SUM FOR TRAFFIC CONTROL AND PROTECTION AND NO OTHER COMPENSATION WILL BE ALLOWED.

PLEASE REFER TO THE LAYOUT SHEET FOR PORTABLE CHANGEABLE MESSAGE SIGN LOCATIONS.

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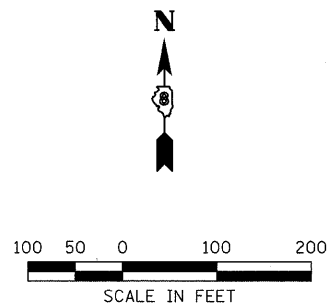
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORNER & SHIFRIN, INC.
ENGINEERS

SUGGESTED STAGES OF CONSTRUCTION
AND TRAFFIC CONTROL
 STAGE 2 DETOUR

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	46
				CONTRACT NO. 76D87
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 200' SHEET NO. 5 OF 7 SHEETS STA. TO STA.



ILLINOIS
3

STA 1341+46.86

MAINTENANCE OF TRAFFIC STAGE 3

SEQUENCE OF CONSTRUCTION

1. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT PROJECT STARTUP AT LOCATIONS PRECEDING THE IL 3 & I-270 INTERCHANGE ON EACH LEG AS DIRECTED BY THE ENGINEER.
2. CLOSE AND REMOVE RAMPS E2 AND E3.
3. MILL TO ACHIEVE DESIRED SLOPES AND RESTRIPE PAVEMENT ON I-270 FOR AN ACCELERATION AND DECELERATION LANE FOR RAMPS E7 AND E6.
4. CONSTRUCT GRADING FOR FUTURE RELOCATED RAMP P1 AND RAMP P4 THAT DOES NOT INTERFERE WITH EXISTING RAMP OPERATIONS.
5. PREPARE IL 3 FOR FINAL SURFACE
6. PLACE SURFACE ON IL 3 AND RAMPS P5, P5LT, AND P8.

TRAFFIC PLACEMENT

1. MAINTAIN NORTHBOUND AND SOUTHBOUND TRAFFIC ON IL 3.
2. ROUTE THE WESTBOUND I-270 TO SOUTHBOUND IL 3 TRAFFIC TO THE NEWLY CONSTRUCTED RAMP P5LT. ROUTE THE IL 3 TO EASTBOUND I-270 EASTBOUND TRAFFIC TO THE RECONSTRUCTED ALIGNMENT OF RAMP P8.
3. CLOSE RAMPS E2 AND E3.

TRAFFIC CONTROL STANDARDS

701101 701400 701401 701406
701421 701426 701456

PAYMENT

TRAFFIC CONTROL AND PROTECTION,
STANDARD 701401, 701406, 701421 AND 701456

LEGEND

- | | | | |
|--|--------------------------------------|--|---|
| | WORK THIS STAGE | | TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT |
| | FINAL SURFACE PAVING ONLY THIS STAGE | | DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT |
| | DIRECTION OF TRAFFIC DETOUR | | TRAFFIC CONTROL SIGN |
| | TYPE III BARRICADE | | |

NOTE:

ACTUAL SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT TO BE DETERMINED BY THE ENGINEER.

RAMP P1
GRADING ONLY

RAMP E6

MATCH LINE I-270 BASELINE

STA 1360+55.42



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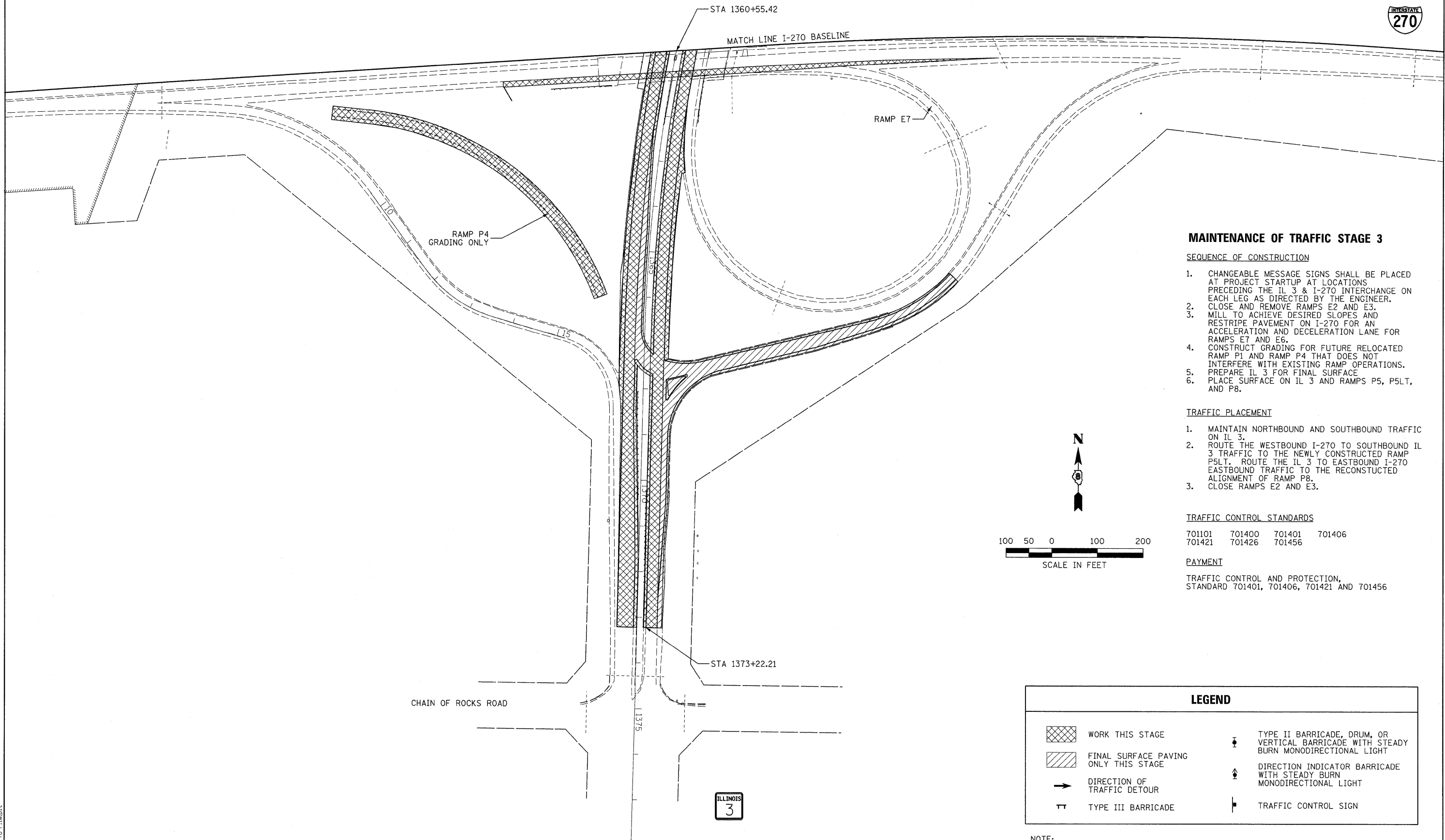
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**SUGGESTED STAGES OF CONSTRUCTION
AND TRAFFIC CONTROL**
STAGE 3

SCALE: 1" = 100' SHEET NO. 6 OF 7 SHEETS STA. 1341+46.8 TO STA. 1360+55.42

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	47
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	



MAINTENANCE OF TRAFFIC STAGE 3

SEQUENCE OF CONSTRUCTION

1. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT PROJECT STARTUP AT LOCATIONS PRECEDING THE IL 3 & I-270 INTERCHANGE ON EACH LEG AS DIRECTED BY THE ENGINEER.
2. CLOSE AND REMOVE RAMPS E2 AND E3.
3. MILL TO ACHIEVE DESIRED SLOPES AND RESTRIPE PAVEMENT ON I-270 FOR AN ACCELERATION AND DECELERATION LANE FOR RAMPS E7 AND E6.
4. CONSTRUCT GRADING FOR FUTURE RELOCATED RAMP P1 AND RAMP P4 THAT DOES NOT INTERFERE WITH EXISTING RAMP OPERATIONS. PREPARE IL 3 FOR FINAL SURFACE.
5. PLACE SURFACE ON IL 3 AND RAMPS P5, P5LT, AND P8.

TRAFFIC PLACEMENT

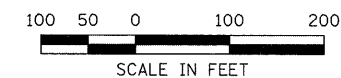
1. MAINTAIN NORTHBOUND AND SOUTHBOUND TRAFFIC ON IL 3.
2. ROUTE THE WESTBOUND I-270 TO SOUTHBOUND IL 3 TRAFFIC TO THE NEWLY CONSTRUCTED RAMP P5LT. ROUTE THE IL 3 TO EASTBOUND I-270 EASTBOUND TRAFFIC TO THE RECONSTRUCTED ALIGNMENT OF RAMP P8.
3. CLOSE RAMPS E2 AND E3.

TRAFFIC CONTROL STANDARDS

701101 701400 701401 701406
701421 701426 701456

PAYMENT

TRAFFIC CONTROL AND PROTECTION, STANDARD 701401, 701406, 701421 AND 701456



LEGEND

- WORK THIS STAGE
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- FINAL SURFACE PAVING ONLY THIS STAGE
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION OF TRAFFIC DETOUR
- TYPE III BARRICADE
- TRAFFIC CONTROL SIGN

NOTE:

ACTUAL SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT TO BE DETERMINED BY THE ENGINEER.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**SUGGESTED STAGES OF CONSTRUCTION
AND TRAFFIC CONTROL**
STAGE 3

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	48
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 100' SHEET NO. 7 OF 7 SHEETS STA. 1360+55.42 TO STA. 1373+22.21

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

MARY C. LAMIE
PRINT NAME
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER
TITLE
IL DEPT. OF TRANSPORTATION
AGENCY

Mary C. Lamie
SIGNATURE
3-17-10
DATE

I. SITE DESCRIPTION:

A. THE FOLLOWING IS A DESCRIPTION OF THE PROJECT LOCATION:

THE PROJECT CONSISTS OF THE RECONSTRUCTION OF THE I-270 AND IL ROUTE 3 INTERCHANGE.

B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

CONSTRUCTION WILL INCLUDE THE RECONSTRUCTION OF THE INTERCHANGE RAMPS, RESURFACING, STORM SEWER AND DRAINAGE STRUCTURES, AGGREGATE SHOULDERS, TRAFFIC SIGNALS AND LIGHTING, OVERHEAD SIGN STRUCTURE CONSTRUCTION, COMBINATION CONCRETE CURB AND GUTTER, PAVEMENT MARKING, LANDSCAPING AND ALL INCIDENTAL AND COLLATERAL WORK NECESSARY TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS.

C. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:

STAGE 1: CLOSE RAMP E8 AND IMPLEMENT A THREE RAMP DETOUR. CONSTRUCT WIDENING FOR THE SOUTHBOUND IL 3 TURN LANE TO RAMP P8. CONSTRUCT WIDENING FOR NORTHBOUND IL 3 TURN LANE TO RAMP P8. CONSTRUCT/RECONSTRUCT RAMP P8 TO NEW ALIGNMENT. OPEN RECONSTRUCTED RAMP P8.

STAGE 2: CLOSE RAMP E5 AND IMPLEMENT A THREE RAMP DETOUR. INSTALL CULVERT IN MEDIAN AT THE PROPOSED INTERSECTION OF IL 3 AND RAMP P5LT. CONSTRUCT NEW RAMP P5LT. INSTALL SIGNALS FOR INTERSECTION OF IL 3 AND RAMP P5LT. CONSTRUCT/RECONSTRUCT RAMP P5 TO NEW ALIGNMENT. OPEN RECONSTRUCTED RAMPS P5/P5LT AND THE SIGNALIZED INTERSECTION OF IL 3 AND RAMP P5LT.

STAGE 3: CLOSE AND REMOVE RAMPS E2 AND E3. MILL TO ACHIEVE DESIRED SLOPES AND RESTRIPE PAVEMENT ON I-270 FOR AN ACCELERATION AND DECELERATION LANE FOR RAMPS E7 AND E6. CONSTRUCT GRADING FOR FUTURE RELOCATED RAMP P1 AND RAMP P4 THAT DOES NOT INTERFERE WITH EXISTING RAMP OPERATIONS. PREPARE IL 3 FOR FINAL SURFACE. PLACE SURFACE ON IL 3 AND RAMPS P5, P5LT, AND P8.

D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 35.6 ACRES.

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 25.3 ACRES.

E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED: 0.43

F. THE FOLLOWING IS A DESCRIPTION OF THE SOIL TYPES FOUND AT THE PROJECT SITE FOLLOWED BY INFORMATION REGARDING THEIR EROSIIVITY:

TWO SOIL TYPES ARE LOCATED WITHIN THE PROJECT AREA OF THE INTERSTATE 270 AND IL ROUTE 3 INTERCHANGE. THESE ARE:

ORTHENTS, LOAMY, HILLY (802D) - A WELL DRAINED SOIL WITH LOW PERMEABILITY. THIS SOIL HAS A MODERATE SUCEPTIBILITY TO WATER EROSION AND A MODERATE SUCEPTIBILITY TO WIND EROSION.

FULTS SILTY CLAY (8591A) - A POORLY DRAINED SOIL WITH MODERATE TO LOW PERMEABILITY. THIS SOIL HAS A MODERATE SUCEPTIBILITY TO WATER EROSION AND A MODERATE SUCEPTIBILITY TO WIND EROSION.

G. THE FOLLOWING IS A DESCRIPTION OF POTENTIALLY EROSIIVE AREAS ASSOCIATED WITH THIS PROJECT:
THERE ARE NO KNOWN POTENTIALLY CRITICAL EROSIIVE AREAS.

H. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR EROSIIVE FACTORS (E.G. STEEPNESS OF SLOPES, LENGTH OF SLOPES, ETC):

THE NATURE AND PURPOSE OF LAND DISTURBING ACTIVITIES ON THIS PROJECT IS TO RECONSTRUCT/RELOCATE A PORTION OF THE ENTRANCE/EXIT RAMPS AT THE INTERCHANGE OF INTERSTATE 270 AND IL ROUTE 3 IN PREPARATION FOR THE FUTURE REPLACEMENT OF THE STRUCTURE THAT CARRIES INTERSTATE 270 OVER THE CHAIN OF ROCKS CANAL.

THE TWO SOIL TYPES HAVE MODERATE EROSIIVE CHARACTERISTICS - ORTHENTS, LOAMY, HILLY (802D) AND FULTS SILTY CLAY(8591A) ARE MODERATELY SUSCEPTIBLE TO WATER EROSION AND MODERATELY SUCEPTABLE TO WIND EROSION.

I. SEE THE EROSION CONTROL PLANS AND/OR DRAINAGE PLANS FOR THIS CONTRACT FOR INFORMATION REGARDING DRAINAGE PATTERNS, APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFF SITE SEDIMENT TRACKING (TO BE ADDED AFTER CONTRACTOR IDENTIFIES LOCATIONS), AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NON-STRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLUDING WETLANDS.

J. THE FOLLOWING IS A LIST OF RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S), AND AERIAL EXTENT OF WETLAND ACREAGE AT THE SITE. THE LOCATION OF THE RECEIVING WATERS CAN BE FOUND ON THE EROSION AND SEDIMENT CONTROL PLANS:

CHAIN OF ROCKS CANAL (MISSISSIPPI RIVER)

K. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT: (CHECK ALL THAT APPLY)

- SOIL SEDIMENT
- CONCRETE
- CONCRETE TRUCK WASTE
- CONCRETE CURING COMPOUNDS
- SOLID WASTE DEBRIS
- PAINTS
- SOLVENTS
- FERTILIZERS / PESTICIDES
- PETROLEUM (GAS, DIESEL, OIL, KEROSENE, HYDRAULIC OIL/FLUIDS)
- ANTIFREEZE / COOLANTS
- WASTE WATER FROM CLEANING CONSTRUCTION EQUIPMENT
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....

II. CONTROLS

THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN I.C. ABOVE AND FOR ALL USE AREAS, BORROW SITES, AND WASTE SITES. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER A PLAN FOR THE IMPLEMENTATION OF THE MEASURES INDICATED. THE CONTRACTOR, AND SUBCONTRACTORS, WILL NOTIFY THE RESIDENT ENGINEER OF ANY PROPOSED CHANGES, MAINTENANCE, OR MODIFICATIONS TO KEEP CONSTRUCTION ACTIVITIES COMPLIANT WITH THE PERMIT. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH ARE ATTACHED TO, AND ARE A PART OF THIS PLAN:

A. EROSION AND SEDIMENT CONTROL

1. STABILIZED PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED BELOW IN II(A)(1)(G) AND II(A)(3), STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASES ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF 14 OR MORE CALENDAR DAYS.

2. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT: (CHECK ALL THAT APPLY)

- PRESERVATION OF MATURE VEGETATION
- VEGETATED BUFFER STRIPS
- PROTECTION OF TREES
- TEMPORARY EROSION CONTROL SEEDING
- TEMPORARY TURF (SEEDING, CLASS 7)
- TEMPORARY MULCHING
- PERMANENT SEEDING
- EROSION CONTROL BLANKET / MULCHING
- SODDING
- GEOTEXTILES
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

1. TEMPORARY EROSION CONTROL SEEDING - THIS ITEM WILL BE APPLIED TO ALL BARE AREAS EVERY SEVEN DAYS TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE AREAS.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 14 DAYS.

WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN 7 DAYS.

2. PERMANENT SEEDING - SEEDING, CLASS 2A & 4 WILL BE INSTALLED PER IDOT SPECIFICATIONS.

3. EROSION CONTROL BLANKETS/MULCHING - EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES AND IN HIGH VELOCITY AREAS (I.E. DITCHES) THAT HAVE BEEN BROUGHT TO FINAL GRADE AND SEEDED TO PROTECT SLOPES FROM EROSION AND ALLOW SEEDS TO GERMINATE. MULCH, METHOD 2 WILL BE APPLIED IN RELATIVELY FLAT AREAS TO PROTECT THE DISTURBED AREAS AND PREVENT FURTHER EROSION.

4. MULCH AS APPLIED TO TEMPORARY EROSION CONTROL SEEDING SHALL BE BY THE METHOD SPECIFIED IN THE CONTRACT AND AT THE DIRECTION OF THE ENGINEER. MULCH WILL BE PAID SEPARATELY AND SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS.

2. STRUCTURAL PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: PERIMETER EROSION BARRIER, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, DITCH CHECKS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE FOLLOWING STRUCTURAL PRACTICES WILL BE USED FOR THIS PROJECT:

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- STORM DRAIN INLET PROTECTION
- SEDIMENT TRAP
- TEMPORARY PIPE SLOPE DRAIN
- TEMPORARY SEDIMENT BASIN
- TEMPORARY STREAM CROSSING
- STABILIZED CONSTRUCTION EXITS
- TURF REINFORCEMENT MATS
- PERMANENT CHECK DAMS
- PERMANENT SEDIMENT BASIN
- AGGREGATE DITCH
- PAVED DITCH
- ROCK OUTLET PROTECTION
- RIPRAP
- GABIONS
- SLOPE MATTRESS
- RETAINING WALLS
- SLOPE WALLS
- CONCRETE REVETMENT MATS
- LEVEL SPREADERS
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....
- OTHER (SPECIFY).....

DESCRIBE HOW THE STRUCTURAL PRACTICES LISTED ABOVE WILL BE UTILIZED:

1. PERIMETER EROSION BARRIER - SILT FENCES WILL BE PLACED ALONG THE TOE OF SLOPE CONSTRUCTION IN AN EFFORT TO CONTAIN SILT AND RUNOFF FROM LEAVING THE SITE.

CONSTRUCT AT BEGINNING OF CONSTRUCTION. REMOVE AT END OF CONSTRUCTION.

2. STORM DRAIN INLET PROTECTION - INLET AND PIPE PROTECTION WILL BE PROVIDED FOR STORM SEWERS AND CULVERTS. SEDIMENT FILTERS WILL BE PLACED IN ALL INLETS, CATCH BASINS AND MANHOLES DURING CONSTRUCTION AND WILL BE CLEANED ON A REGULAR BASIS.

3. TEMPORARY DITCH CHECKS - DITCH CHECKS WILL BE PLACED IN SWALES WHERE RUNOFF VELOCITY IS HIGH. ALL STRUCTURAL PRACTICES ARE SHOWN IN DETAIL ON THE EROSION CONTROL PLANS.

TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 100 FT. FALL/RISE IN DITCH GRADE.

TEMPORARY DITCH CHECKS, AGGREGATE USES GRADING NO. 3- REMOVE AT END OF CONSTRUCTION.

STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCE WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE (IF SPECIFIED), ENVIROBERM, TRIANGULAR SILT DIKES, GEORIDGE AND ROLLED EXCELSIOR.

4. AGGREGATE DITCH - STONE RIPRAP WITH FILTER FABRIC WILL BE USED AS PROTECTION AT THE DISCHARGE END OF ALL CULVERT END SECTIONS AND AS INLET/OUTLET PROTECTION TO PREVENT SCOURING AT THE END OF PIPES AND PREVENT DOWNSTREAM EROSION.

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STORM WATER POLLUTION PREVENTION PLAN

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	49
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

3. STORM WATER MANAGEMENT: PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

- a. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORM WATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON SITE, AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES).
THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE IN SECTION 59-8 (EROSION AND SEDIMENT CONTROL) IN CHAPTER 59 (LANDSCAPE DESIGN AND EROSION CONTROL) OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF DESIGN AND ENVIRONMENT MANUAL. IF PRACTICES OTHER THAN THOSE DISCUSSED IN SECTION 59-8 ARE SELECTED FOR IMPLEMENTATION OR IF PRACTICES ARE APPLIED TO SITUATIONS DIFFERENT FROM THOSE COVERED IN SECTION 59-8, THE TECHNICAL BASIS FOR SUCH DECISIONS WILL BE EXPLAINED BELOW.
- b. VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. MAINTENANCE OF HYDROLOGIC CONDITIONS SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS:

THE PHASE I LOCATION DRAINAGE STUDY HAS DETERMINED THAT NO STORM WATER DETENTION IS REQUIRED FOR THE PROPOSED STORM SEWER OUTLETS TO BE CONSTRUCTED FOR THIS PROJECT.

4. OTHER CONTROLS:

c. VEHICLE ENTRANCES AND EXITS - STABILIZED CONSTRUCTION ENTRANCES AND EXITS MUST BE CONSTRUCTED TO PREVENT TRACKING OF SEDIMENTS ONTO ROADWAYS.

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN IDENTIFYING THE LOCATION OF STABILIZED ENTRANCES AND EXITS AND THE PROCEDURES (SHE WILL USE TO CONSTRUCT AND MAINTAIN THEM.

b. MATERIAL DELIVERY, STORAGE, AND USE - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO HELP PREVENT DISCHARGES OF CONSTRUCTION MATERIALS DURING DELIVERY, STORAGE, AND USE:

- ALL PRODUCTS DELIVERED TO THE PROJECT SITE MUST BE PROPERLY LABELED.
- WATER TIGHT SHIPPING CONTAINERS AND/OR SEMI TRAILERS SHALL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND MOST CONSTRUCTION MATERIALS THAT CAN BE CARRIED BY HAND, SUCH AS PAINT CANS, SOLVENTS, AND GREASE.
- A STORAGE/CONTAINMENT FACILITY SHOULD BE CHOSEN FOR LARGER ITEMS SUCH AS DRUMS AND ITEMS SHIPPED OR STORED ON PALLETS. SUCH MATERIAL IS TO BE COVERED BY A TIN ROOF OR LARGE SHEETS OF PLASTIC TO PREVENT PRECIPITATION FROM COMING IN CONTACT WITH THE PRODUCTS BEING STORED.
- LARGE ITEMS SUCH AS LIGHT STANDS, FRAMING MATERIALS AND LUMBER SHALL BE STORED IN THE OPEN IN A GENERAL STORAGE AREA. SUCH MATERIAL SHALL BE ELEVATED WITH WOOD BLOCKS TO MINIMIZE CONTACT WITH STORM WATER RUNOFF.
- SPILL CLEAN-UP MATERIALS, MATERIAL SAFETY DATA SHEETS, AN INVENTORY OF MATERIALS, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED AND STORED IN ONE DESIGNATED AREA AND EACH CONTRACTOR IS TO INFORM HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER OF THIS LOCATION.

c. STOCKPILE MANAGEMENT - BMPs SHALL BE IMPLEMENTED TO REDUCE OR ELIMINATE POLLUTION OF STORM WATER FROM STOCKPILES OF SOIL AND PAVING MATERIALS SUCH AS BUT NOT LIMITED TO PORTLAND CEMENT CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB BASE, AND PRE-MIXED AGGREGATE. THE FOLLOWING BMPs MAY BE CONSIDERED:

- PERIMETER EROSION BARRIER
- TEMPORARY SEEDING
- TEMPORARY MULCH
- PLASTIC COVERS
- SOIL BINDERS
- STORM DRAIN INLET PROTECTION

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN OF THE PROCEDURES (SHE WILL USE ON THE PROJECT AND HOW THEY WILL BE MAINTAINED.

d. WASTE DISPOSAL. NO MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

e. THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

f. THE CONTRACTOR SHALL PROVIDE A WRITTEN AND GRAPHIC PLAN TO THE RESIDENT ENGINEER IDENTIFYING WHERE EACH OF THE ABOVE AREAS WILL BE LOCATED AND HOW THEY ARE TO BE MANAGED.

5. APPROVED STATE OR LOCAL LAWS

THE MANAGEMENT PRACTICES, CONTROLS AND PROVISIONS CONTAINED IN THIS PLAN WILL BE IN ACCORDANCE WITH IDOT SPECIFICATIONS, WHICH ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, 1995. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE IN THE SPACE PROVIDED BELOW. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION SITE PLANS, SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI, TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILR10 INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

DESCRIPTION OF PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS:

ALL MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS PROVIDED IN THIS PLAN ARE IN ACCORDANCE WITH "IDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND THE ILLINOIS DRAINAGE MANUAL".

III. MAINTENANCE:

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, THE VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN. THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THE PRACTICES ASSOCIATED WITH THIS PROJECT.

1. SEEDING - ALL ERODIBLE BARE EARTH WILL BE TEMPORARILY SEEDDED ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE WITHIN THE CONTRACT LIMITS.
2. PERIMETER EROSION BARRIER - SEDIMENT WILL BE REMOVED IF THE INTEGRITY OF THE FENCING IS IN JEOPARDY AND ANY FENCING KNOCKED DOWN WILL BE REPAIRED IMMEDIATELY.
3. EROSION CONTROL BLANKET/MULCHING - ANY AREAS THAT FAIL WILL BE REPAIRED IMMEDIATELY.
4. DITCH CHECKS - SEDIMENT WILL BE REMOVED IF THE INTEGRITY OF THE DITCH CHECK IS IN JEOPARDY. ANY DITCH CHECKS WHICH FAIL WILL BE REPAIRED OR REPLACED IMMEDIATELY.

ALL MAINTENANCE OF EROSION CONTROL SYSTEMS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND ACCEPTED BY IDOT AFTER FINAL INSPECTION. ALL LOCATIONS WHERE VEHICLES ENTER AND EXIT THE CONSTRUCTION SITE AND ALL OTHER AREAS SUBJECT TO EROSION SHOULD ALSO BE INSPECTED PERIODICALLY.

INSPECTION OF THESE AREAS SHALL BE MADE AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF THE END OF EACH 0.5 INCHES OR GREATER RAINFALL, OR AN EQUIVALENT SNOWFALL. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM.

IV. INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT YET BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES AND EQUIPMENT ENTER AND EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

A. DISTURBED AREAS, USE AREAS (STORAGE OF MATERIALS, STOCKPILES, MACHINE MAINTENANCE FUELING, ETC.), BORROW SITES, AND WASTE SITES SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS OR POINTS THAT ARE ACCESSIBLE, SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.

B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION I ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION II ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 1/2 HOUR TO 1 WEEK BASED ON THE URGENCY OF THE SITUATION. THE RESIDENT ENGINEER WILL NOTIFY THE CONTRACTOR OF THE TIME REQUIRED TO IMPLEMENT SUCH ACTIONS THROUGH THE WEEKLY INSPECTION REPORT.

C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION IV(B) SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER SHALL NOTIFY THE APPROPRIATE I.E.P.A. FIELD OPERATIONS SECTION OFFICE BY EMAIL OF: epa.swnoncomp@illinois.gov, TELEPHONE OR FAX WITHIN 24 HOURS OF THE INCIDENT. THE RESIDENT ENGINEER SHALL THEN COMPLETE AND SUBMIT AN "INCIDENCE OF NON-COMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION WITHIN 5 DAYS OF THE INCIDENT. THE RESIDENT ENGINEER SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

THE INCIDENT OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
ATTN: COMPLIANCE ASSURANCE SECTION
1021 NORTH GRAND EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

V. NON-STORM WATER DISCHARGES:

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER THAT IS COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN MUST BE DESCRIBED BELOW. APPROPRIATE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

A. SPILL PREVENTION AND CONTROL - BMPs SHALL BE IMPLEMENTED TO CONTAIN AND CLEAN-UP SPILLS AND PREVENT MATERIAL DISCHARGES TO THE STORM DRAIN SYSTEM. THE CONTRACTOR SHALL PRODUCE A WRITTEN PLAN STATING HOW HIS/HER COMPANY WILL PREVENT, REPORT, AND CLEAN UP SPILLS AND PROVIDE A COPY TO ALL OF HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL OF HIS/HER EMPLOYEES ON THE PROPER PROTOCOL FOR REPORTING SPILLS. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY SPILLS IMMEDIATELY.

B. CONCRETE RESIDUALS AND WASHOUT WASTES - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO CONTROL RESIDUAL CONCRETE, CONCRETE SEDIMENTS, AND RINSE WATER:

1. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED FOR RINSING OUT CONCRETE TRUCKS. SIGNS SHALL BE INSTALLED DIRECTING CONCRETE TRUCK DRIVERS WHERE DESIGNATED WASHOUT FACILITIES ARE LOCATED.
2. THE CONTRACTOR SHALL HAVE THE LOCATION OF TEMPORARY CONCRETE WASHOUT FACILITIES APPROVED BY THE RESIDENT ENGINEER.
3. ALL TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED BY THE CONTRACTOR AFTER EACH USE AND ALL SPILLS MUST BE REPORTED TO THE RESIDENT ENGINEER AND CLEANED UP IMMEDIATELY.
4. CONCRETE WASTE SOLIDS/LIQUIDS SHALL BE DISPOSED OF PROPERLY.

C. LITTER MANAGEMENT - A PROPER NUMBER OF DUMPSTERS SHALL BE PROVIDED ON SITE TO HANDLE DEBRIS AND LITTER ASSOCIATED WITH THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING HIS/HER EMPLOYEES PLACE ALL LITTER INCLUDING MARKING PAINT CANS, SODA CANS, FOOD WRAPPERS, WOOD LATHE, MARKING RIBBON, CONSTRUCTION STRING, AND ALL OTHER CONSTRUCTION RELATED LITTER IN THE PROPER DUMPSTERS.

D. VEHICLE AND EQUIPMENT CLEANING - VEHICLES AND EQUIPMENT ARE TO BE CLEANED IN DESIGNATED AREAS ONLY, PREFERABLY OFF SITE.

E. VEHICLE AND EQUIPMENT FUELING - A VARIETY OF BMPs CAN BE IMPLEMENTED DURING FUELING OF VEHICLES AND EQUIPMENT TO PREVENT POLLUTION. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER AS TO WHICH BMPs WILL BE USED ON THE PROJECT. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER HOW (SHE WILL BE INFORMING HIS/HER EMPLOYEES OF THESE BMPs (I.E. SIGNS, TRAINING, ETC.). BELOW ARE A FEW EXAMPLES OF THESE BMPs:





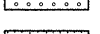

1. CONTAINMENT
2. SPILL PREVENTION AND CONTROL
3. USE OF DRIP PANS AND ABSORBENTS
4. AUTOMATIC SHUT-OFF NOZZLES
5. TOPPING OFF RESTRICTIONS
6. LEAK INSPECTION AND REPAIR

F. VEHICLE AND EQUIPMENT MAINTENANCE - ON SITE MAINTENANCE MUST BE PERFORMED IN ACCORDANCE WITH ALL ENVIRONMENTAL LAWS SUCH AS PROPER STORAGE AND NO DUMPING OF OLD ENGINE OIL OR OTHER FLUIDS ON SITE.

VI. FAILURE TO COMPLY:

FAILURE TO COMPLY WITH ANY PROVISIONS OF THIS STORM WATER POLLUTION PREVENTION PLAN WILL RESULT IN THE IMPLEMENTATION OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION AGAINST THE CONTRACTOR AND/OR PENALTIES UNDER THE NPDES PERMIT WHICH COULD BE PASSED ONTO THE CONTRACTOR.

LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  CLASS 2A SEEDING
-  CLASS 4A SEEDING

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

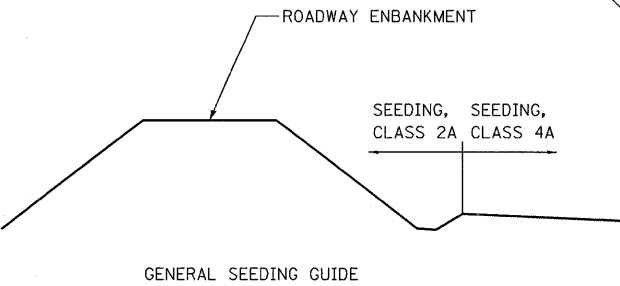
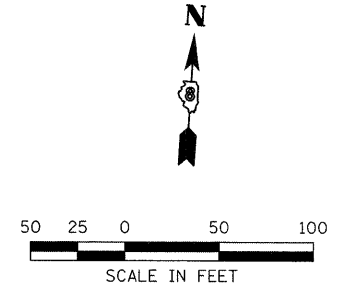
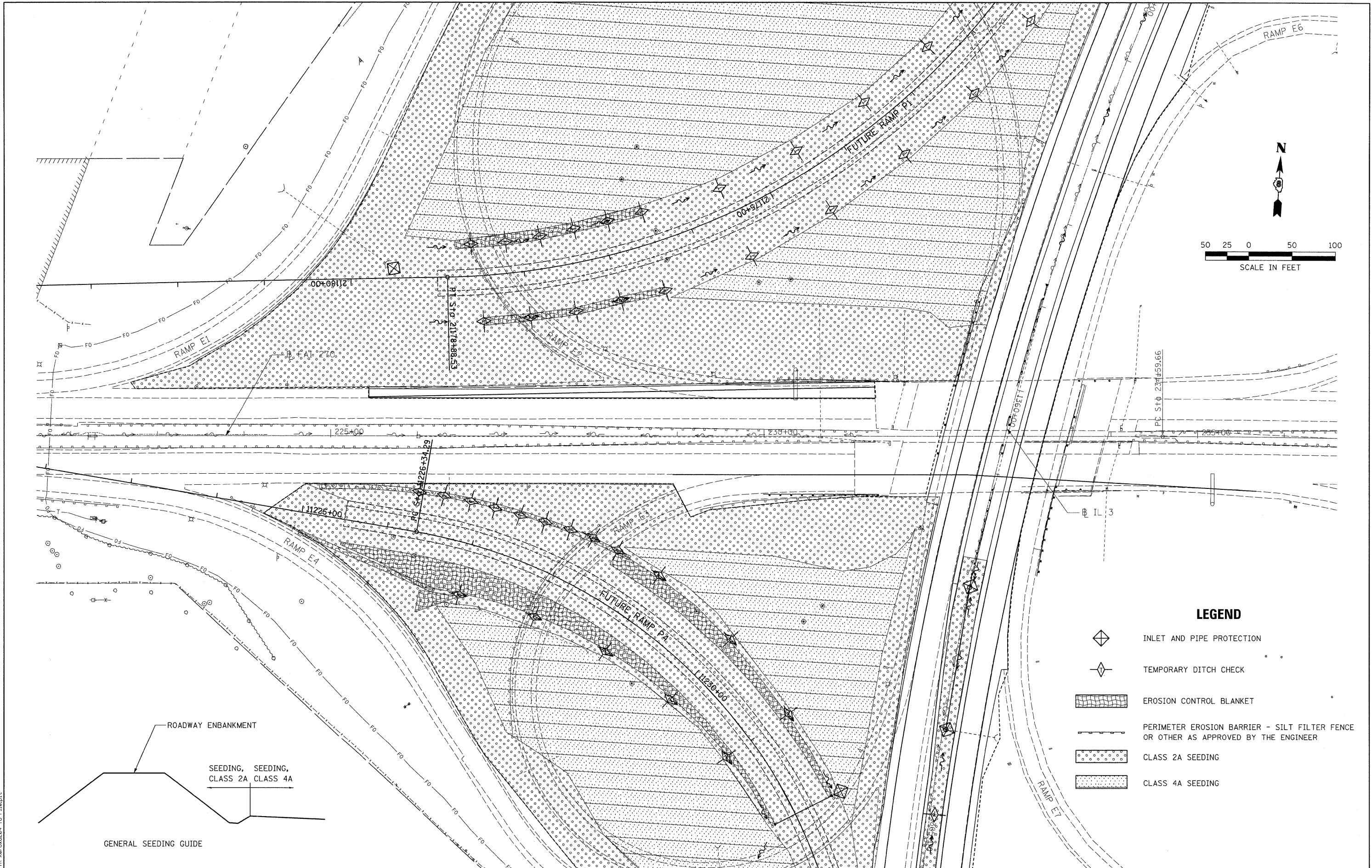
HORNER & SHIFRIN, INC.
ENGINEERS

STORM WATER POLLUTION PREVENTION PLAN

SCALE: NONE

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	50
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	



LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- CLASS 2A SEEDING
- CLASS 4A SEEDING

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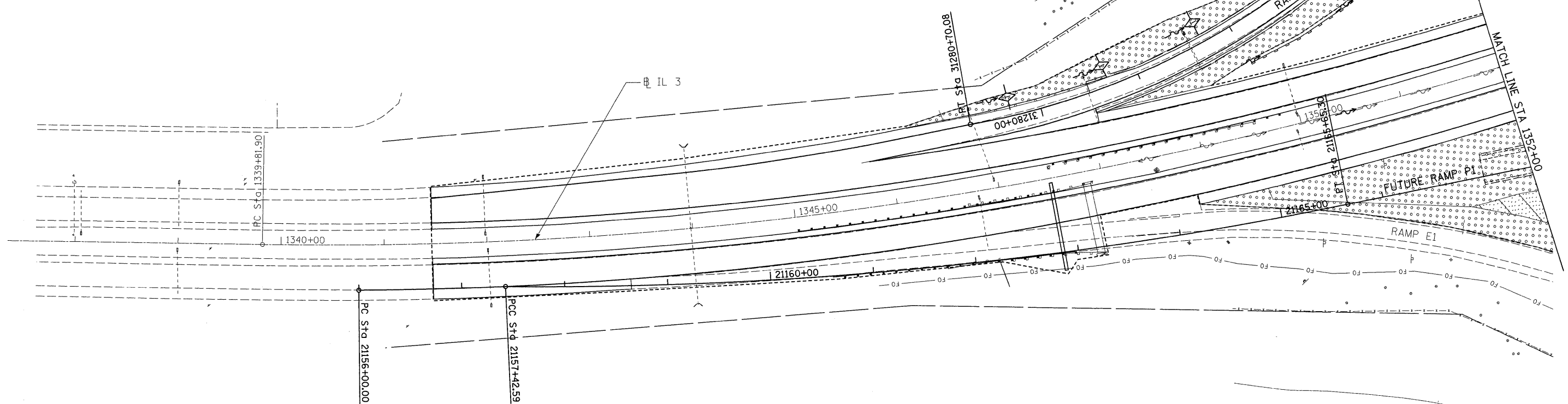
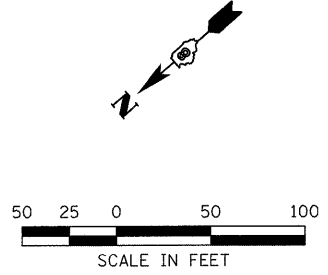
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

EROSION AND SEDIMENT CONTROL DETAILS
 INTERSTATE 270
 SHEET NO. 2 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	52
CONTRACT NO. 76DB7				
ILLINOIS FED. AID PROJECT				



LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- CLASS 2A SEEDING
- CLASS 4A SEEDING

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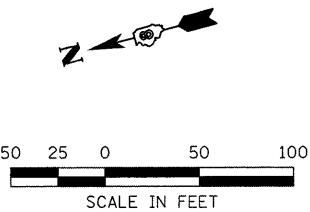
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



EROSION AND SEDIMENT CONTROL DETAILS
 ILLINOIS ROUTE 3

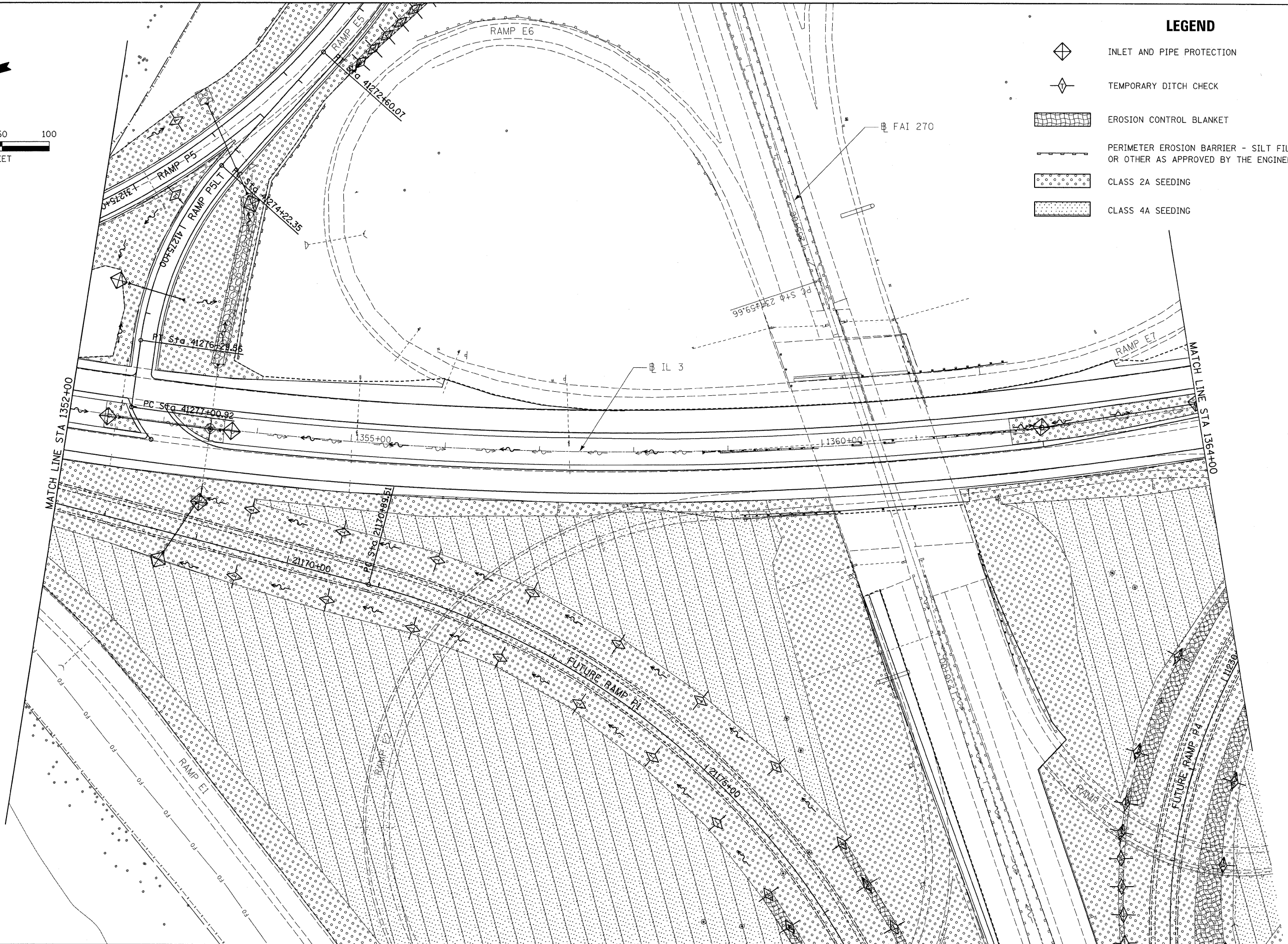
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	53
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- CLASS 2A SEEDING
- CLASS 4A SEEDING



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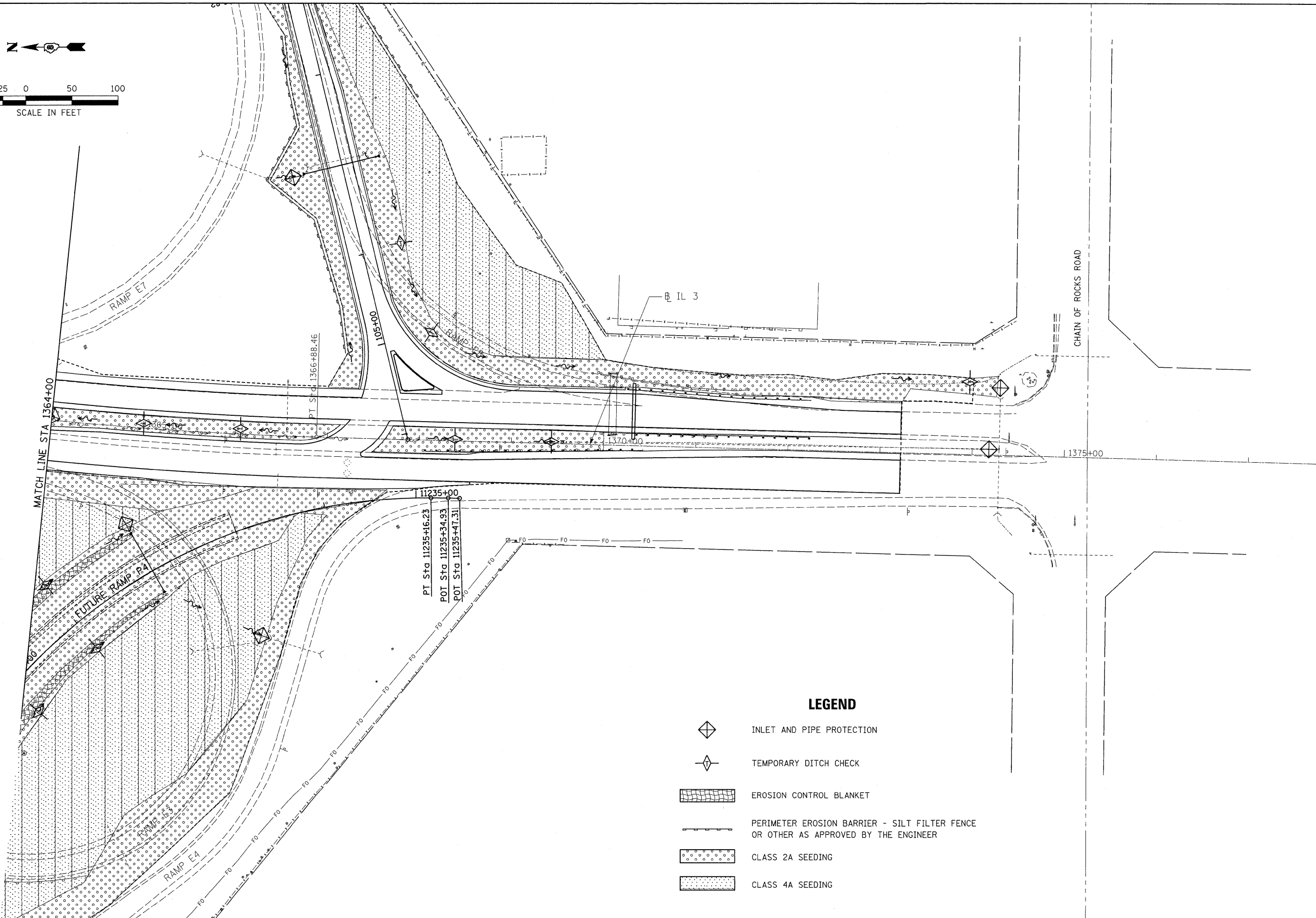
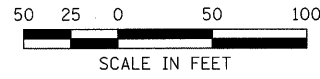
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



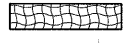
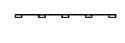
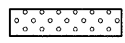

HORNER & SHIFRIN, INC.
ENGINEERS

EROSION AND SEDIMENT CONTROL DETAILS
 ILLINOIS ROUTE 3
 SCALE: 1" = 50' SHEET NO. 4 OF 10 SHEETS STA. 1352+00 TO STA. 1364+00

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 54
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  CLASS 2A SEEDING
-  CLASS 4A SEEDING

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

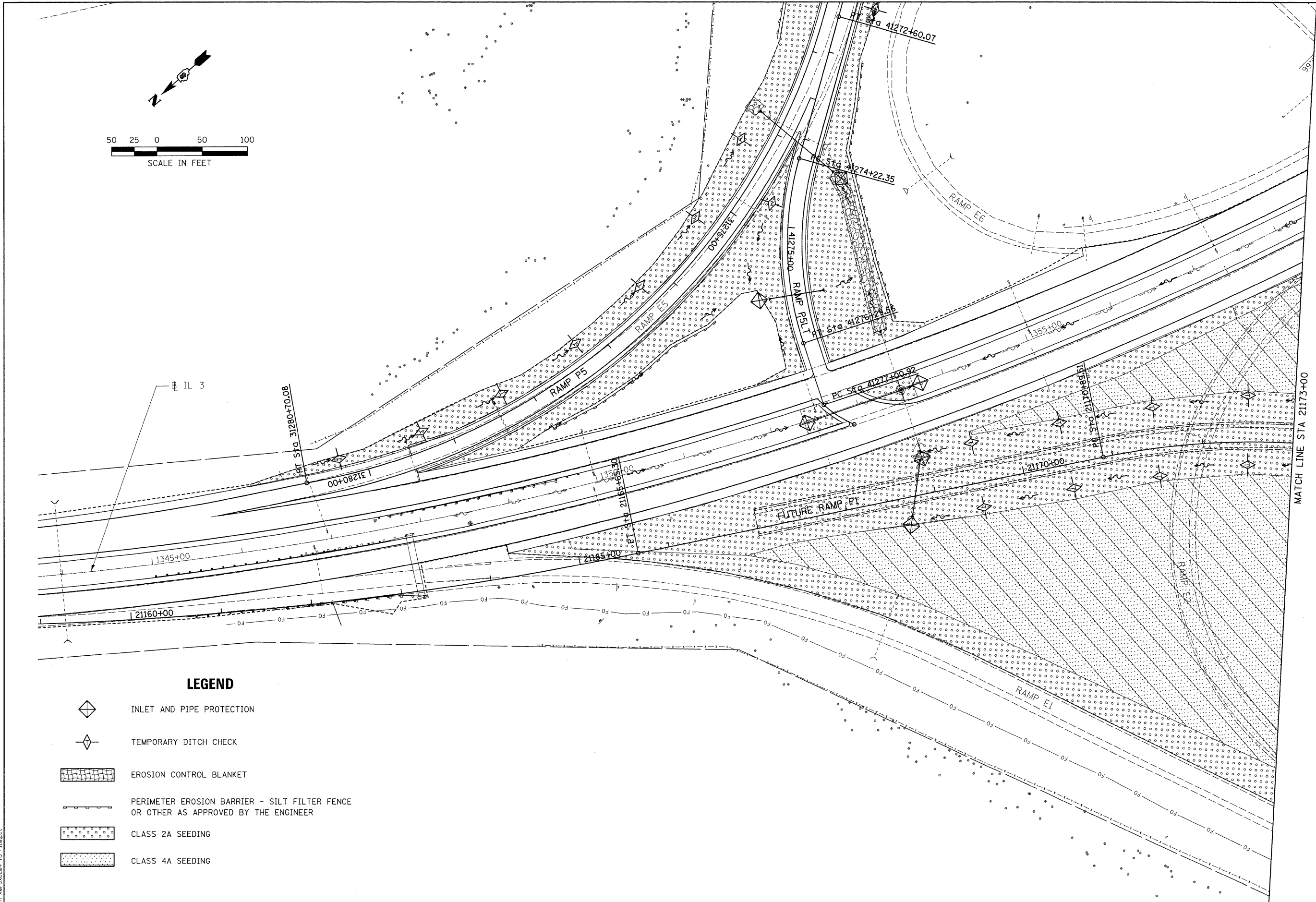
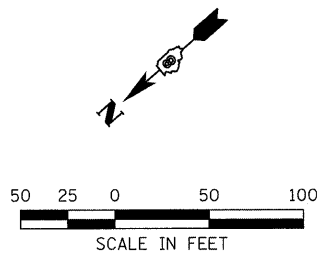


EROSION AND SEDIMENT CONTROL DETAILS
ILLINOIS ROUTE 3





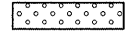
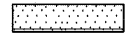
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SHEET NO. 5 OF 10 SHEETS STA. 1364+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	55
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  CLASS 2A SEEDING
-  CLASS 4A SEEDING

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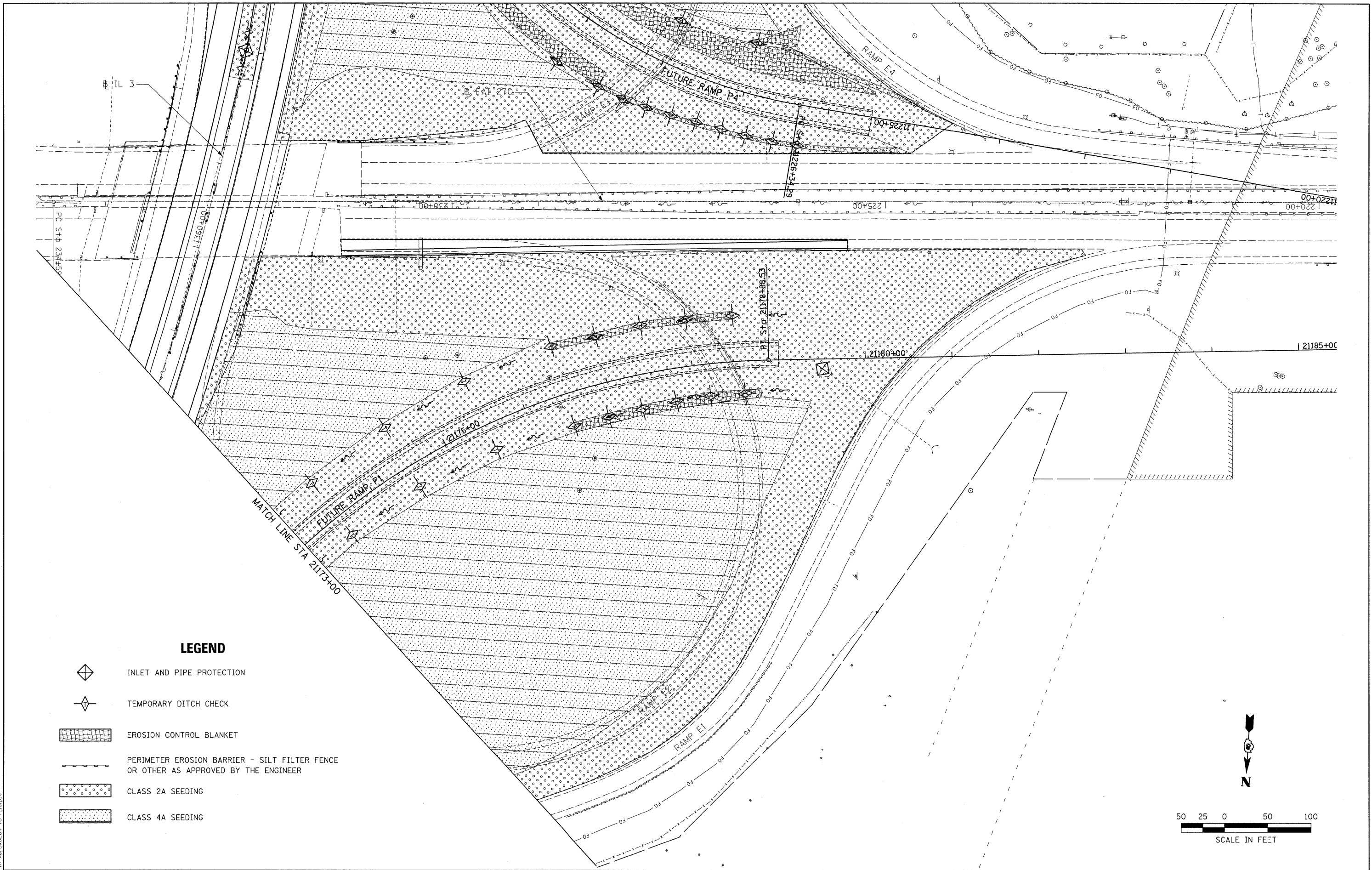
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



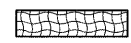

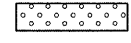


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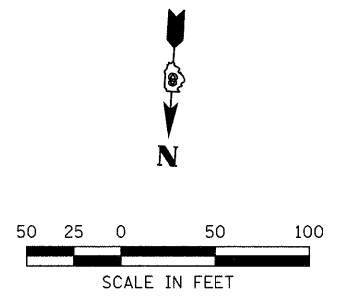
EROSION AND SEDIMENT CONTROL DETAILS
 PROPOSED RAMP P1
 SHEET NO. 6 OF 10 SHEETS STA. 21159+65.85 TO STA. 21173+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	56
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	



LEGEND


-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  CLASS 2A SEEDING
-  CLASS 4A SEEDING



LAST SAVED = 3/13/2010
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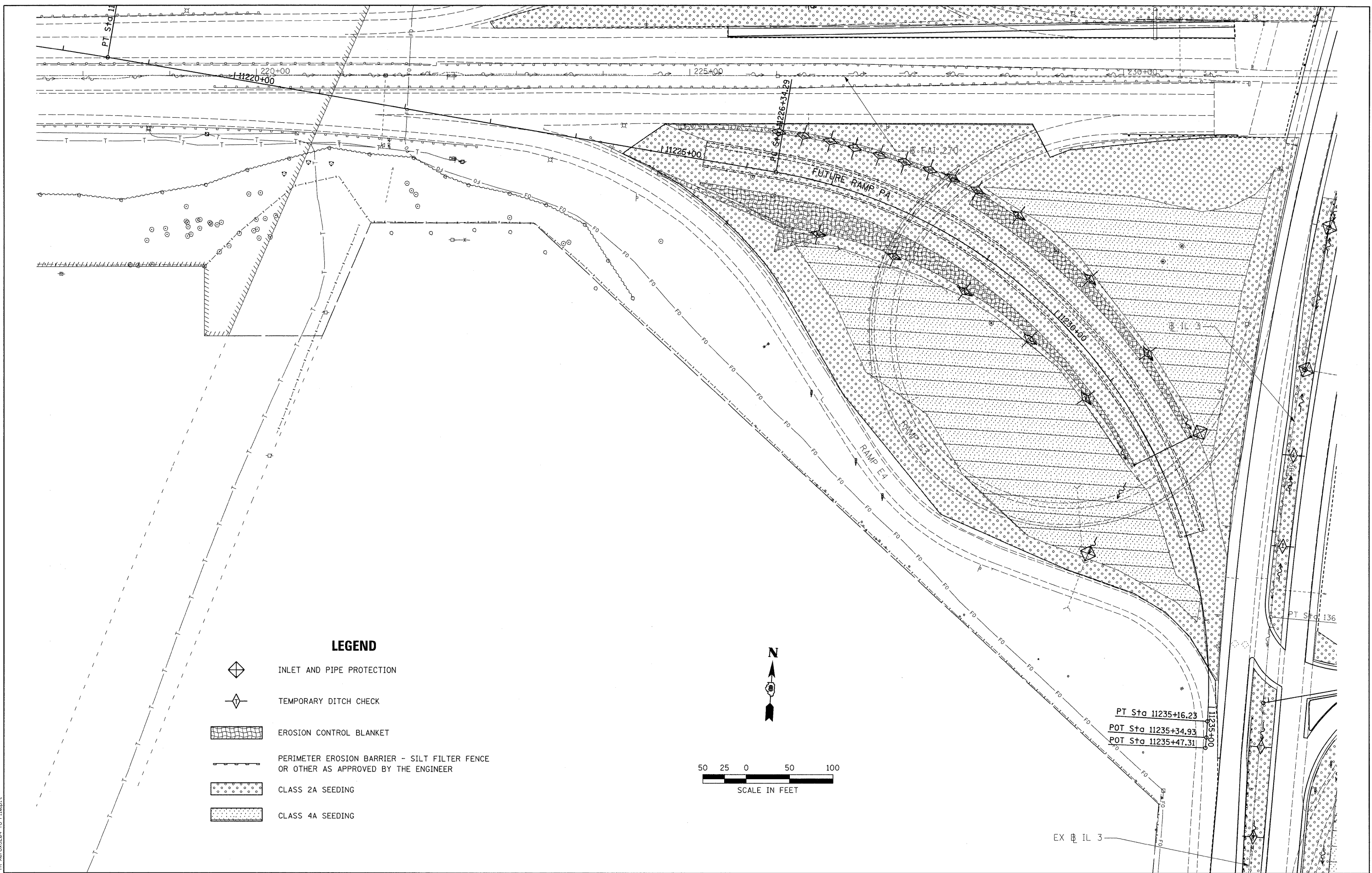
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION






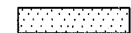

HORNER & SHIFRIN, INC.
 ENGINEERS
 SCALE: 1" = 50'

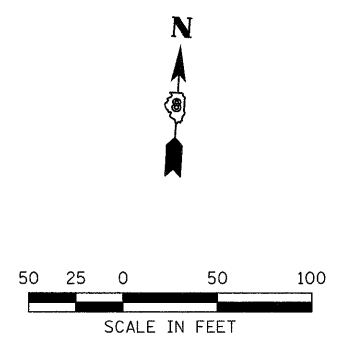
EROSION AND SEDIMENT CONTROL DETAILS
 PROPOSED RAMP P1
 SHEET NO. 7 OF 10 SHEETS STA. 21173+00 TO STA. 21184+25.91

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 57
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  CLASS 2A SEEDING
-  CLASS 4A SEEDING



LAST SAVED = 3/13/2010
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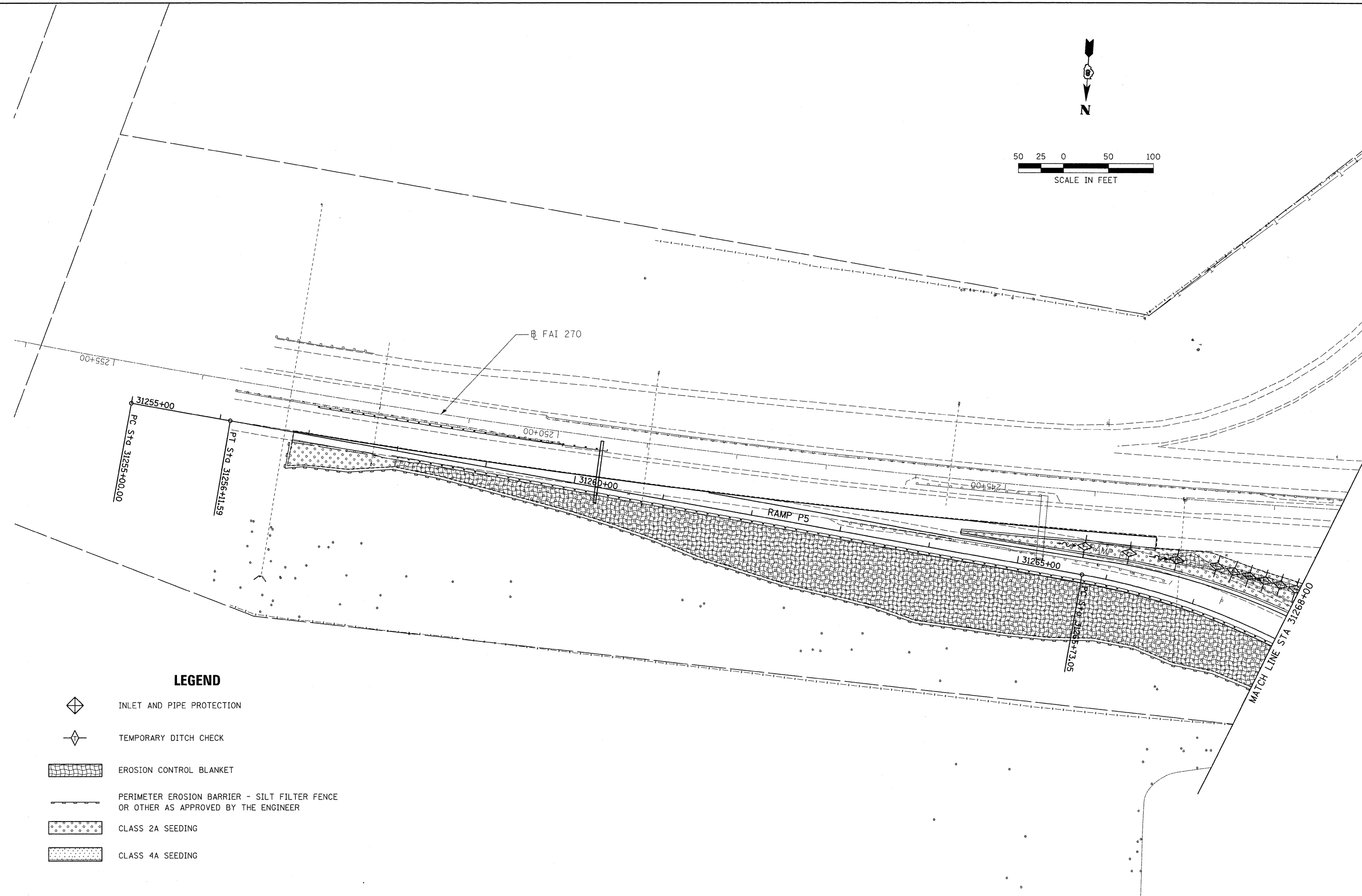
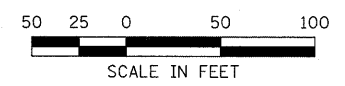
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION





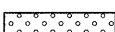

HORNER & SHIFRIN, INC.
 ENGINEERS
 SCALE: 1" = 50'

EROSION AND SEDIMENT CONTROL DETAILS
 PROPOSED RAMP P4
 SHEET NO. 8 OF 10 SHEETS STA. 11221+00 TO STA. 11235+47.31

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	58
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER - SILT FILTER FENCE
OR OTHER AS APPROVED BY THE ENGINEER
-  CLASS 2A SEEDING
-  CLASS 4A SEEDING

LAST SAVED = 3/13/2010
PEN TABLE = V8.tbl
PLOT DRIVER = TR-Xerox6204-1c-File.plt

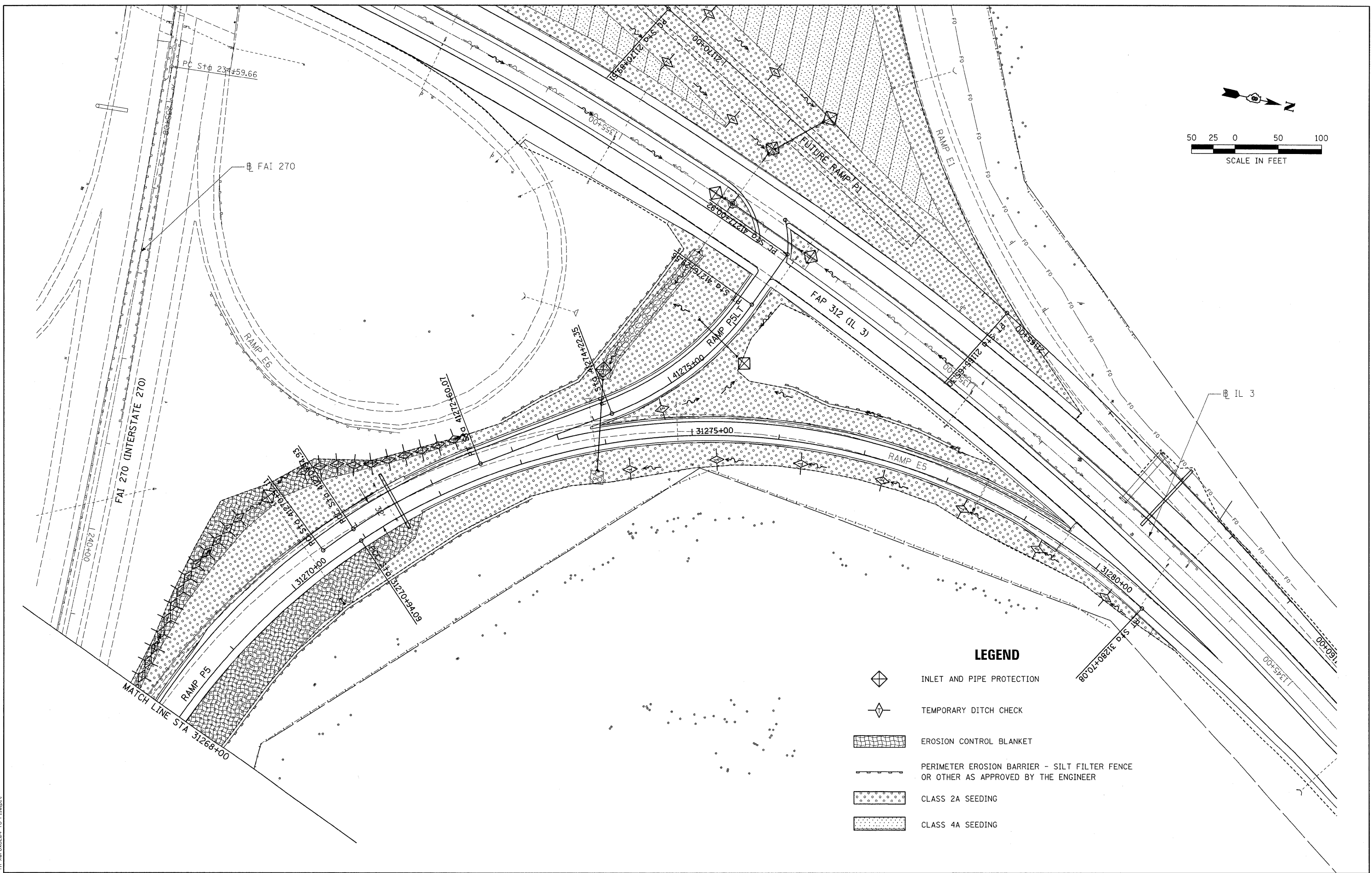
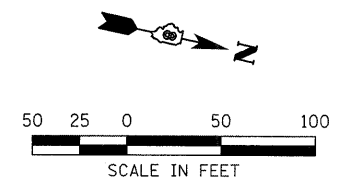
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

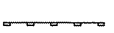
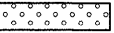

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HORNER &
SHIFRIN, INC.
ENGINEERS**

EROSION AND SEDIMENT CONTROL DETAILS
PROPOSED RAMP P5
SCALE: 1" = 50' SHEET NO. 9 OF 10 SHEETS STA. 31256+83.49 TO STA. 31268+00

F.A.I. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	59
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



- LEGEND**
-  INLET AND PIPE PROTECTION
 -  TEMPORARY DITCH CHECK
 -  EROSION CONTROL BLANKET
 -  PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
 -  CLASS 2A SEEDING
 -  CLASS 4A SEEDING

LAST SAVED = 3/13/2010
 PEN TABLE = V6.tbl
 PLOT DRIVER = TR-Xerox6204-Te-File.plt

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

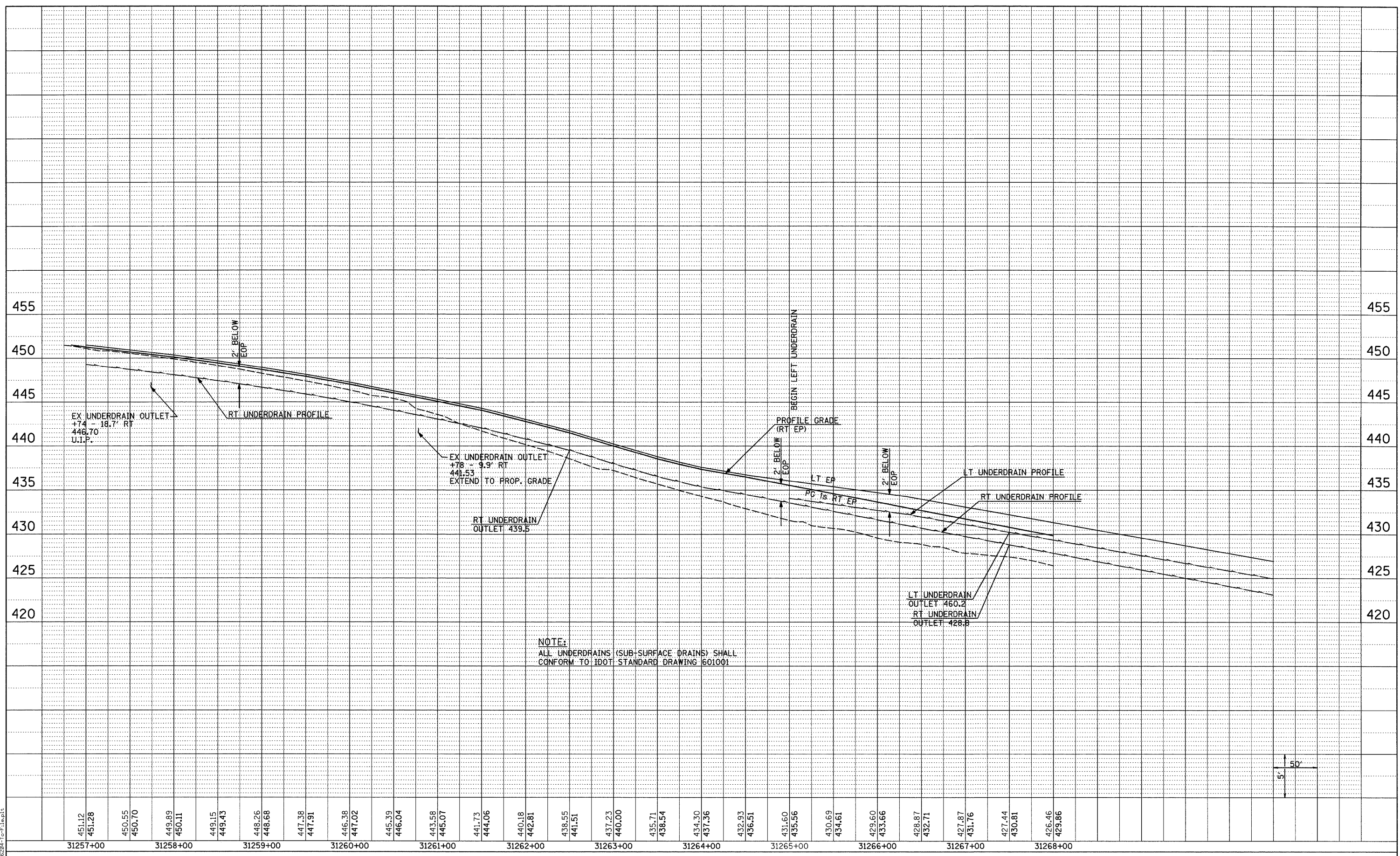
HORNER & SHIFRIN, INC.
ENGINEERS
 SCALE: 1" = 50'

EROSION AND SEDIMENT CONTROL DETAILS
 PROPOSED RAMP P5
 SHEET NO. 10 OF 10 SHEETS STA. 31268+00 TO STA. 31280+70.08

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	60
				CONTRACT NO. 76D87
ILLINOIS FED. AID PROJECT				

PLAN SURVEYED _____ CHECKED _____
 PLOTTED _____ CHECKED _____
 NOTE BOOK NO. _____
 DATE _____
 BY _____
 CADD FILE NAME _____

PROFILE SURVEYED _____ CHECKED _____
 PLOTTED _____ CHECKED _____
 NOTE BOOK NO. _____
 DATE _____
 BY _____
 STRUCTURE NOTATIONS CHKD _____



NOTE:
 ALL UNDERDRAINS (SUB-SURFACE DRAINS) SHALL
 CONFORM TO IDOT STANDARD DRAWING 601001

451.12	451.28	450.55	450.70	449.89	450.11	449.15	449.43	448.26	448.68	447.38	447.91	446.38	447.02	445.39	446.04	443.58	445.07	441.73	444.06	440.18	442.81	438.55	441.51	437.23	440.00	435.71	438.54	434.30	437.36	432.93	436.51	431.60	435.66	430.69	434.61	429.60	433.66	428.87	432.71	427.87	431.76	427.44	430.81	426.46	429.86				
31257+00	31258+00	31259+00	31260+00	31261+00	31262+00	31263+00	31264+00	31265+00	31266+00	31267+00	31268+00																																						

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



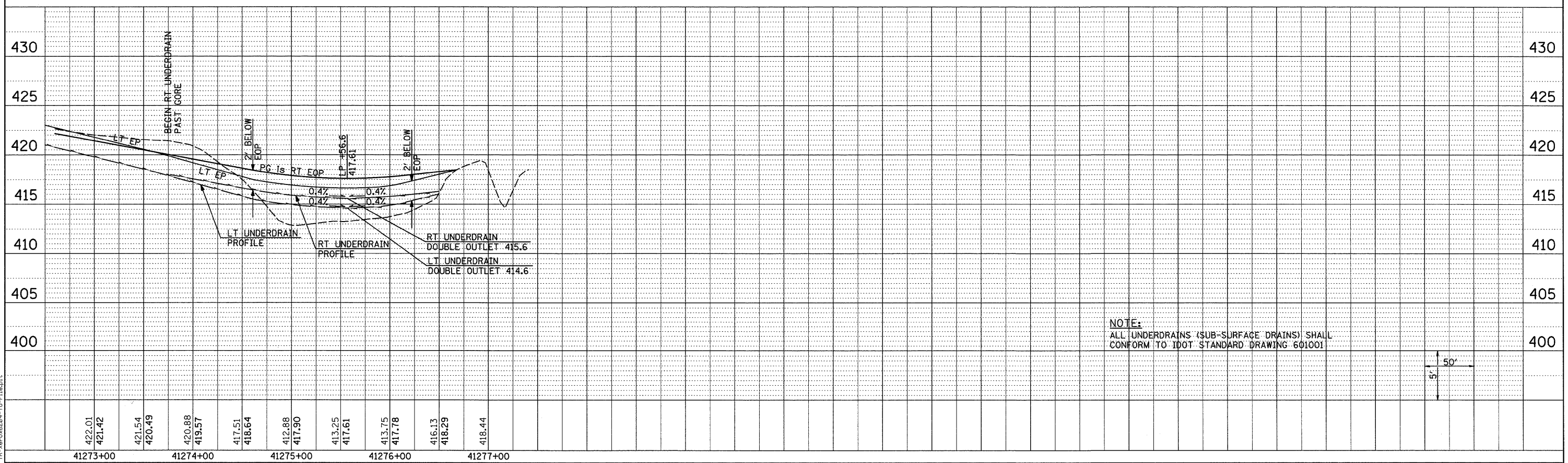
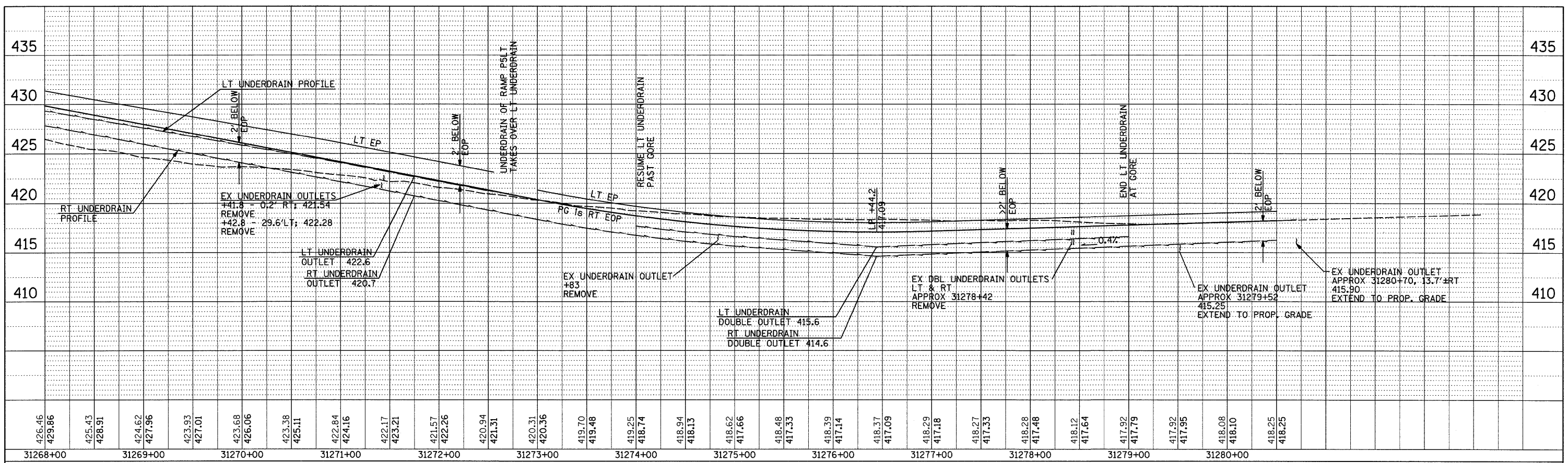
PIPE UNDERDRAIN PROFILES
 RAMP P5

SCALE: SEE SHT SHEET NO. 1 OF 3 SHEETS STA. 31256+83.37 TO STA. 31268+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	61
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

PLAN SURVEYED BY DATE
 ALIGNMENT CHECKED
 RT. OF WAY CHECKED
 NOTE BOOK NO.
 CAD FILE NAME

PROFILE SURVEYED BY DATE
 GRADES CHECKED
 B.M. NOTED
 STRUCTURE NOTATIONS CHKD
 NOTE BOOK NO.



NOTE:
 ALL UNDERDRAINS (SUB-SURFACE DRAINS) SHALL CONFORM TO IDOT STANDARD DRAWING 601001



LAST SAVED = 3/16/2010
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



PIPE UNDERDRAIN PROFILES
 RAMP P5 & RAMP P5LT

SCALE: SEE SHT SHEET NO. 2 OF 3 SHEETS STA. 31268+00 TO STA. 31280+70.08

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	62
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
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	CADD FILE NAME		
	NO.		

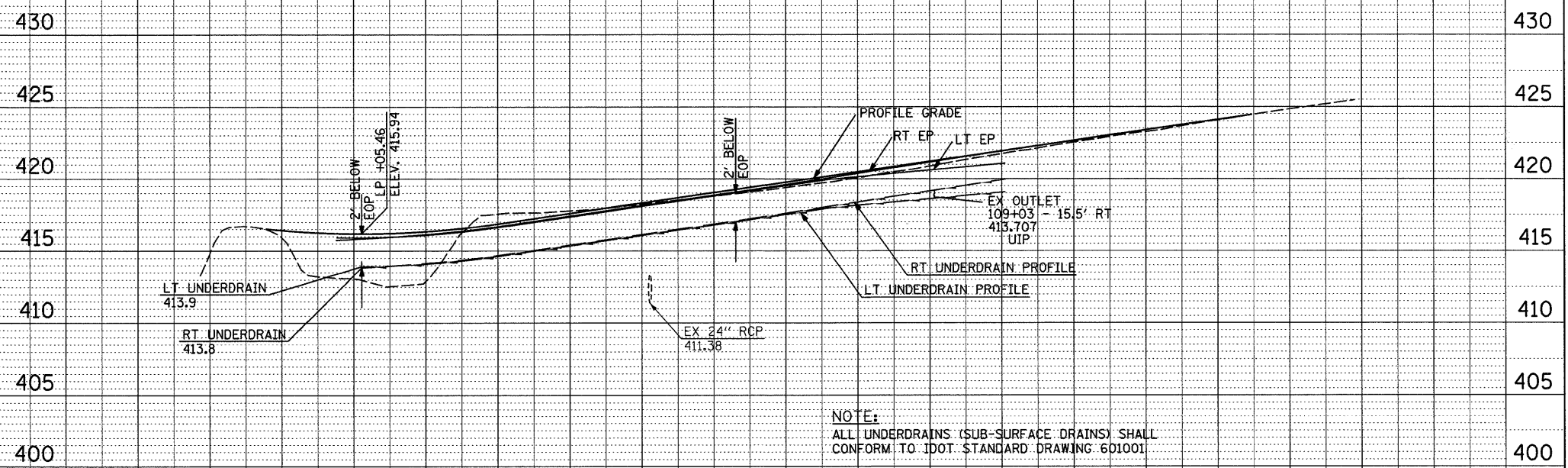


PT Sta 11235+16.23
 POT Sta 11235+34.93
 POT Sta 11235+47.31

LT UNDERDRAIN
 RT UNDERDRAIN

FC Sta 109+06.82

PROFILE	SURV. D.	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		



NOTE:
 ALL UNDERDRAINS (SUB-SURFACE DRAINS) SHALL
 CONFORM TO IDOT STANDARD DRAWING 601001

414.82	415.92	416.42	413.08	416.18	412.90	416.33	417.56	416.86	417.77	417.59	418.23	418.31	418.79	419.04	419.39	419.76	420.08	420.48	420.88	421.21	421.75	421.93	422.54	422.65	423.26	423.38	424.07	424.10	424.84
104+00			105+00			106+00			107+00			108+00			109+00			110+00			111+00								

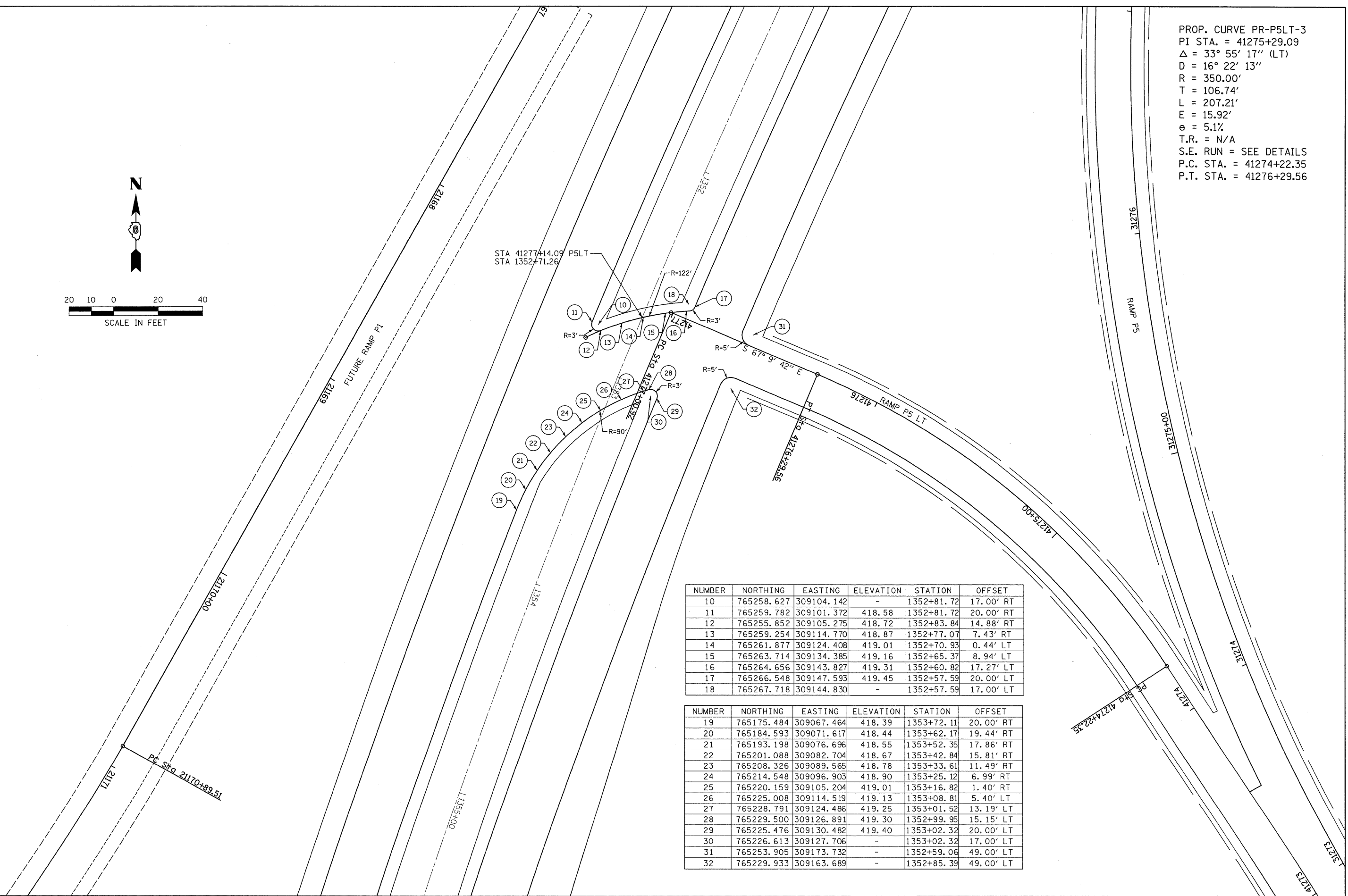
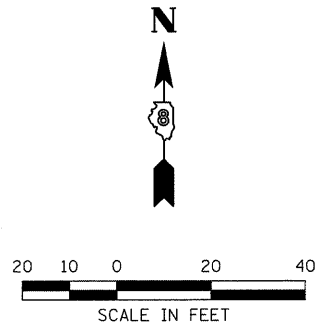
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PLOT DATE = 3/16/2010 11:23:56 PM	DATE -	REVISED -	[ILLINOIS FED. AID PROJECT]							

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

PROP. CURVE PR-P5LT-3
 PI STA. = 41275+29.09
 $\Delta = 33^\circ 55' 17''$ (LT)
 $D = 16^\circ 22' 13''$
 $R = 350.00'$
 $T = 106.74'$
 $L = 207.21'$
 $E = 15.92'$
 $e = 5.1\%$
 $T.R. = N/A$
 S.E. RUN = SEE DETAILS
 P.C. STA. = 41274+22.35
 P.T. STA. = 41276+29.56



NUMBER	NORTHING	EASTING	ELEVATION	STATION	OFFSET
10	765258.627	309104.142	-	1352+81.72	17.00' RT
11	765259.782	309101.372	418.58	1352+81.72	20.00' RT
12	765255.852	309105.275	418.72	1352+83.84	14.88' RT
13	765259.254	309114.770	418.87	1352+77.07	7.43' RT
14	765261.877	309124.408	419.01	1352+70.93	0.44' LT
15	765263.714	309134.385	419.16	1352+65.37	8.94' LT
16	765264.656	309143.827	419.31	1352+60.82	17.27' LT
17	765266.548	309147.593	419.45	1352+57.59	20.00' LT
18	765267.718	309144.830	-	1352+57.59	17.00' LT

NUMBER	NORTHING	EASTING	ELEVATION	STATION	OFFSET
19	765175.484	309067.464	418.39	1353+72.11	20.00' RT
20	765184.593	309071.617	418.44	1353+62.17	19.44' RT
21	765193.198	309076.696	418.55	1353+52.35	17.86' RT
22	765201.088	309082.704	418.67	1353+42.84	15.81' RT
23	765208.326	309089.565	418.78	1353+33.61	11.49' RT
24	765214.548	309096.903	418.90	1353+25.12	6.99' RT
25	765220.159	309105.204	419.01	1353+16.82	1.40' RT
26	765225.008	309114.519	419.13	1353+08.81	5.40' LT
27	765228.791	309124.486	419.25	1353+01.52	13.19' LT
28	765229.500	309126.891	419.30	1352+99.95	15.15' LT
29	765225.476	309130.482	419.40	1353+02.32	20.00' LT
30	765226.613	309127.706	-	1353+02.32	17.00' LT
31	765253.905	309173.732	-	1352+59.06	49.00' LT
32	765229.933	309163.689	-	1352+85.39	49.00' LT

LAST SAVED = 3/15/2010
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FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -
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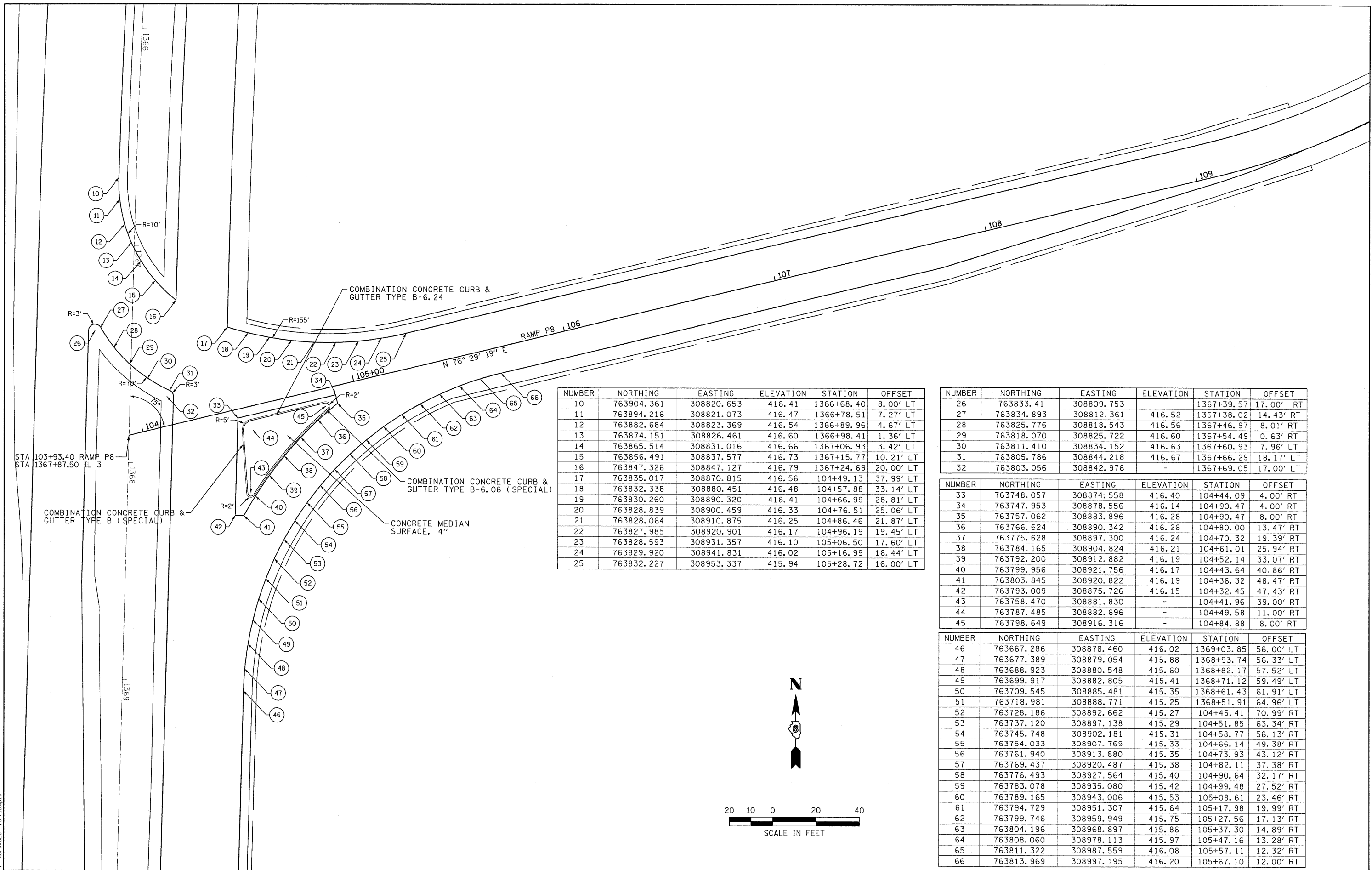
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HORNER &
 SHIFRIN, INC.
 ENGINEERS

INTERSECTION DETAILS
 IL 3 I-270 AND WESTBOUND EXIT RAMP

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	60-2RS-3	MADISON	231	64
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

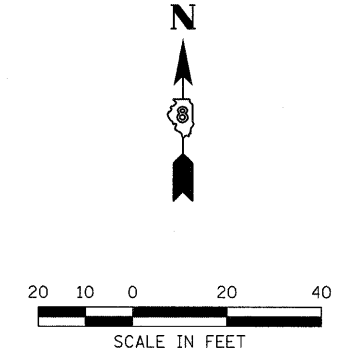


NUMBER	NORTHING	EASTING	ELEVATION	STATION	OFFSET
10	763904.361	308820.653	416.41	1366+68.40	8.00' LT
11	763894.216	308821.073	416.47	1366+78.51	7.27' LT
12	763882.684	308823.369	416.54	1366+89.96	4.67' LT
13	763874.151	308826.461	416.60	1366+98.41	1.36' LT
14	763865.514	308831.016	416.66	1367+06.93	3.42' LT
15	763856.491	308837.577	416.73	1367+15.77	10.21' LT
16	763847.326	308847.127	416.79	1367+24.69	20.00' LT
17	763835.017	308870.815	416.56	104+49.13	37.99' LT
18	763832.338	308880.451	416.48	104+57.88	33.14' LT
19	763830.260	308890.320	416.41	104+66.99	28.81' LT
20	763828.839	308900.459	416.33	104+76.51	25.06' LT
21	763828.064	308910.875	416.25	104+86.46	21.87' LT
22	763827.985	308920.901	416.17	104+96.19	19.45' LT
23	763828.593	308931.357	416.10	105+06.50	17.60' LT
24	763829.920	308941.831	416.02	105+16.99	16.44' LT
25	763832.227	308953.337	415.94	105+28.72	16.00' LT

NUMBER	NORTHING	EASTING	ELEVATION	STATION	OFFSET
26	763833.41	308809.753	-	1367+39.57	17.00' RT
27	763834.893	308812.361	416.52	1367+38.02	14.43' RT
28	763825.776	308818.543	416.56	1367+46.97	8.01' RT
29	763818.070	308825.722	416.60	1367+54.49	0.63' RT
30	763811.410	308834.152	416.63	1367+60.93	7.96' LT
31	763805.786	308844.218	416.67	1367+66.29	18.17' LT
32	763803.056	308842.976	-	1367+69.05	17.00' LT

NUMBER	NORTHING	EASTING	ELEVATION	STATION	OFFSET
33	763748.057	308874.558	416.40	104+44.09	4.00' RT
34	763747.953	308878.556	416.14	104+90.47	4.00' RT
35	763757.062	308883.896	416.28	104+90.47	8.00' RT
36	763766.624	308890.342	416.26	104+80.00	13.47' RT
37	763775.628	308897.300	416.24	104+70.32	19.39' RT
38	763784.165	308904.824	416.21	104+61.01	25.94' RT
39	763792.200	308912.882	416.19	104+52.14	33.07' RT
40	763799.956	308921.756	416.17	104+43.64	40.86' RT
41	763803.845	308920.822	416.19	104+36.32	48.47' RT
42	763793.009	308875.726	416.15	104+32.45	47.43' RT
43	763758.470	308881.830	-	104+41.96	39.00' RT
44	763787.485	308882.696	-	104+49.58	11.00' RT
45	763798.649	308916.316	-	104+84.88	8.00' RT

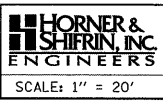
NUMBER	NORTHING	EASTING	ELEVATION	STATION	OFFSET
46	763667.286	308878.460	416.02	1369+03.85	56.00' LT
47	763677.389	308879.054	415.88	1368+93.74	56.33' LT
48	763688.923	308880.548	415.60	1368+82.17	57.52' LT
49	763699.917	308882.805	415.41	1368+71.12	59.49' LT
50	763709.545	308885.481	415.35	1368+61.43	61.91' LT
51	763718.981	308888.771	415.25	1368+51.91	64.96' LT
52	763728.186	308892.662	415.27	104+45.41	70.99' RT
53	763737.120	308897.138	415.29	104+51.85	63.34' RT
54	763745.748	308902.181	415.31	104+58.77	56.13' RT
55	763754.033	308907.769	415.33	104+66.14	49.38' RT
56	763761.940	308913.880	415.35	104+73.93	43.12' RT
57	763769.437	308920.487	415.38	104+82.11	37.38' RT
58	763776.493	308927.564	415.40	104+90.64	32.17' RT
59	763783.078	308935.080	415.42	104+99.48	27.52' RT
60	763789.165	308943.006	415.53	105+08.61	23.46' RT
61	763794.729	308951.307	415.64	105+17.98	19.99' RT
62	763799.746	308959.949	415.75	105+27.56	17.13' RT
63	763804.196	308968.897	415.86	105+37.30	14.89' RT
64	763808.060	308978.113	415.97	105+47.16	13.28' RT
65	763811.322	308987.559	416.08	105+57.11	12.32' RT
66	763813.969	308997.195	416.20	105+67.10	12.00' RT



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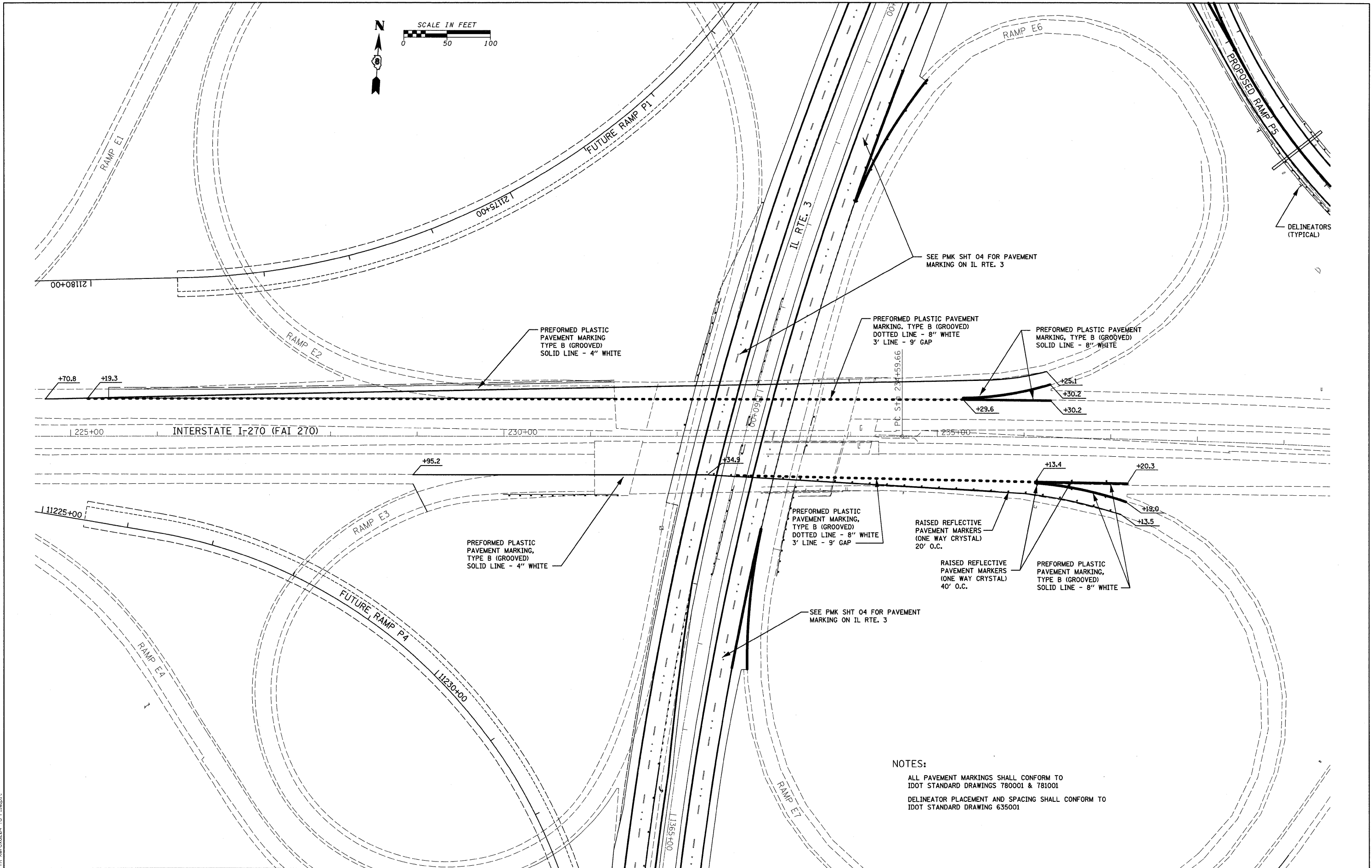
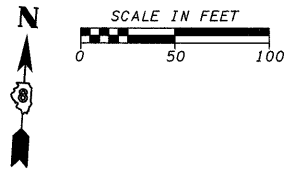
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



INTERSECTION DETAILS
 IL 3 AND RAMP P8


SCALE: 1" = 20' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

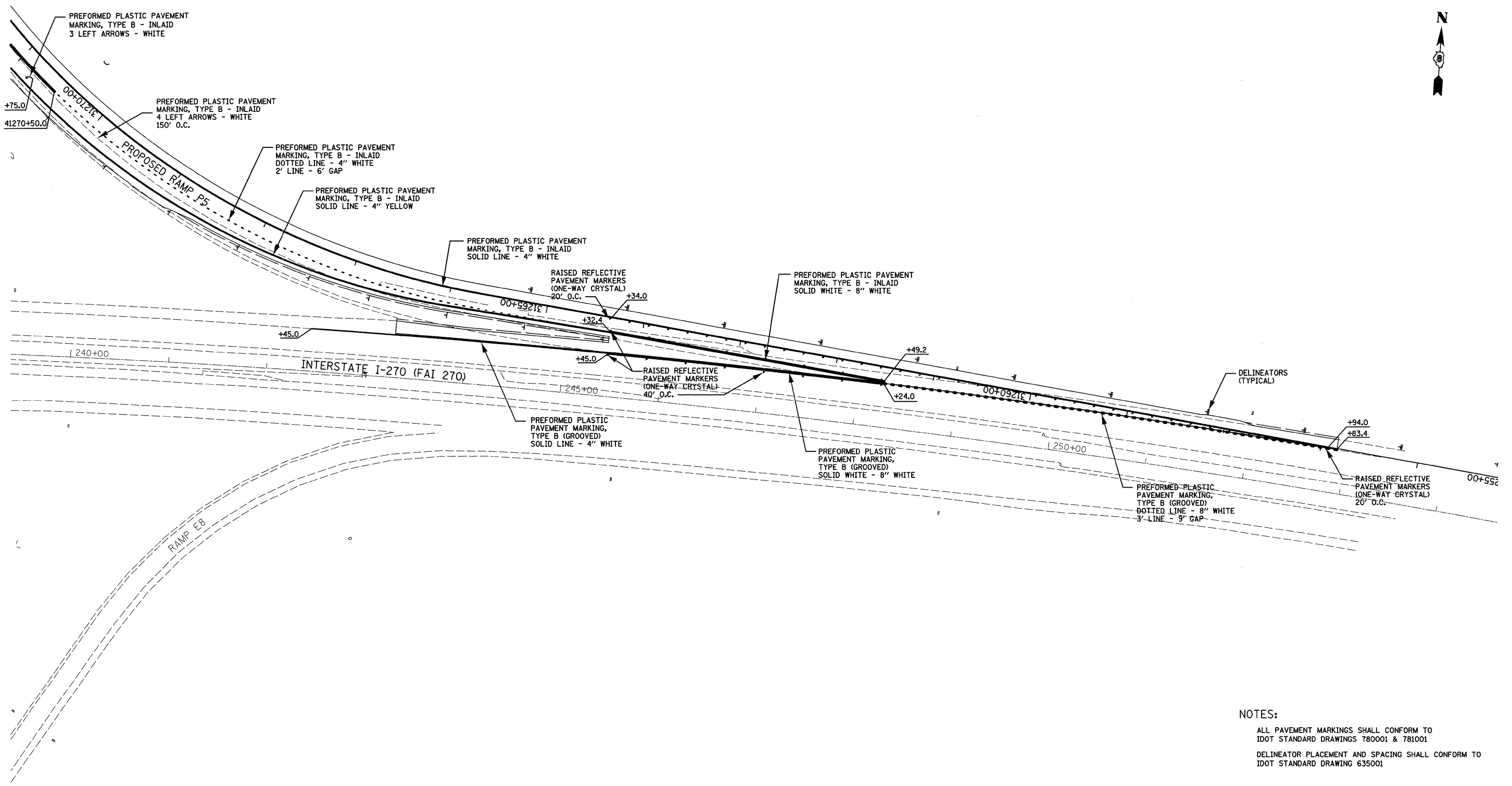
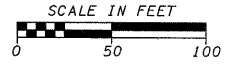
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	65
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



NOTES:
 ALL PAVEMENT MARKINGS SHALL CONFORM TO IDOT STANDARD DRAWINGS 780001 & 781001
 DELINEATOR PLACEMENT AND SPACING SHALL CONFORM TO IDOT STANDARD DRAWING 635001

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\\0906600\0906601\cad\plans\049_087	EDB7-Sht-PMK-01.dgn	DRAWN -	REVISED -			SCALE: 1" = 50'	SHEET NO. 1 OF 5 SHEETS	STA. 1364+00 TO STA.	CONTRACT NO. 76D87		ILLINOIS FED. AID PROJECT		
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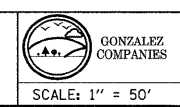


NOTES:
 ALL PAVEMENT MARKINGS SHALL CONFORM TO
 IDOT STANDARD DRAWINGS 780001 & 781001
 DELINEATOR PLACEMENT AND SPACING SHALL CONFORM TO
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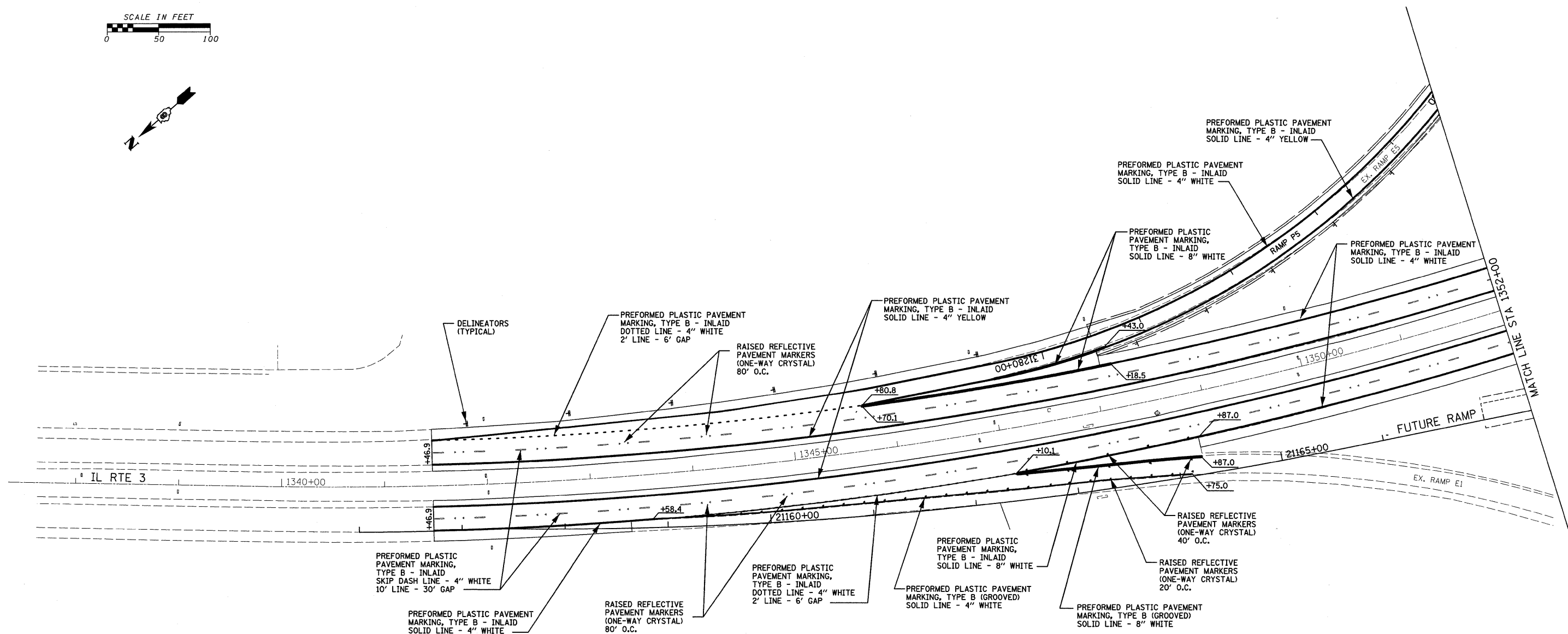
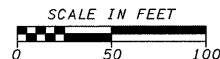
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS
 INTERSTATE 270**

SCALE: 1" = 50' SHEET NO. 2 OF 5 SHEETS STA. 1364+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	67
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	



NOTES:

ALL PAVEMENT MARKINGS SHALL CONFORM TO
 IDOT STANDARD DRAWINGS 780001 & 781001
 DELINEATOR PLACEMENT AND SPACING SHALL CONFORM TO
 IDOT STANDARD DRAWING 635001

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DESIGNED -	REVISOR -
DRAWN -	REVISOR -
CHECKED -	REVISOR -
DATE -	REVISOR -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

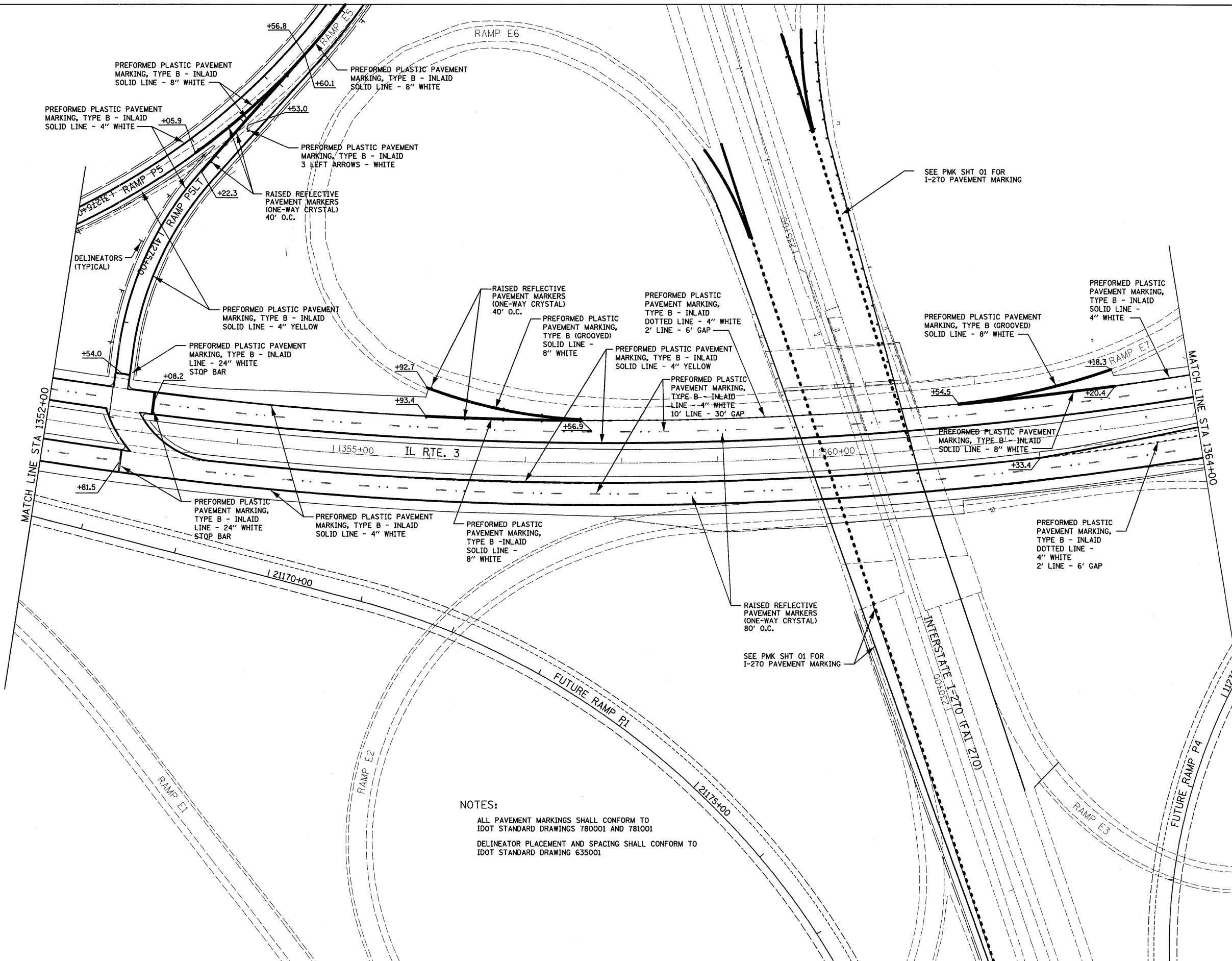
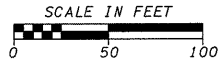


**PAVEMENT MARKING DETAILS
 ILLINOIS ROUTE 3**

SCALE: 1" = 50'

SHEET NO. 3 OF 5 SHEETS STA. 1364+00 TO STA.

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 68
				CONTRACT NO. 76D87
ILLINOIS FED. AID PROJECT				



NOTES:
 ALL PAVEMENT MARKINGS SHALL CONFORM TO
 IDOT STANDARD DRAWINGS 780001 AND 781001
 DELINEATOR PLACEMENT AND SPACING SHALL CONFORM TO
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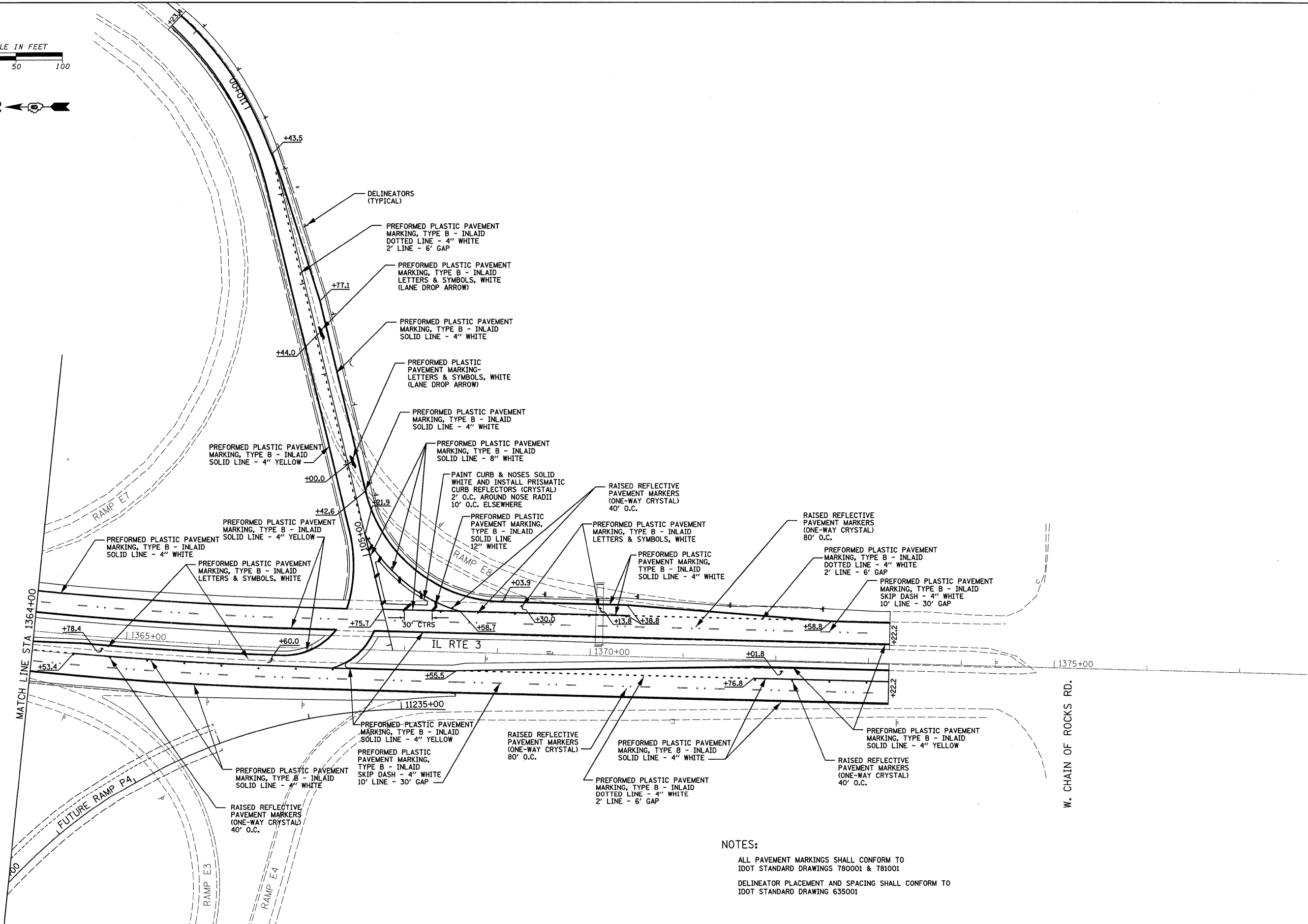
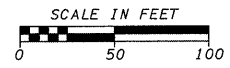
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING DETAILS
 ILLINOIS ROUTE 3**

SCALE: 1" = 50' SHEET NO. 4 OF 5 SHEETS STA. 1364+00 TO STA.

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 69
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				
















NOTES:
 ALL PAVEMENT MARKINGS SHALL CONFORM TO IDOT STANDARD DRAWINGS 780001 & 781001
 DELINEATOR PLACEMENT AND SPACING SHALL CONFORM TO IDOT STANDARD DRAWING 635001

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	PLOT SCALE = 50.0023' / IN. PLOT DATE = 3/16/2010 4:42:09 PM	DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED -				SCALE: 1" = 50' SHEET NO. 5 OF 5 SHEETS STA. 1364+00 TO STA.	CONTRACT NO. 76D87 ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNALS LEGEND

- RREC REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT
- PVCC POLYVINYL CHLORIDE CONDUIT
- GSC GALVANIZED STEEL CONDUIT
-  EXISTING TRAFFIC SIGNAL MAST ARM
-  EXISTING HANDHOLE
-  EXISTING DOUBLE HANDHOLE
-  EXISTING DETECTOR LOOP
-  EXISTING CONTROLLER
-  EXISTING STREET NAME SIGN/TRAFFIC SIGN
-  EXISTING SERVICE INSTALLATION
-  EXISTING CONDUIT
-  PROPOSED TRAFFIC SIGNAL MAST ARM
-  PROPOSED HANDHOLE
-  PROPOSED DOUBLE HANDHOLE
-  PROPOSED DETECTOR LOOP
-  PROPOSED CONDUIT: "T" TRENCH, "P" PUSH, SIZE SPECIFIED

SCHEDULE OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	
			ILLINOIS ROUTE 3 AND PROPOSED RAMP P5LT	
80500100	SERVICE INSTALLATION, TYPE A	EACH	1	1
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	786	786
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	1132	1132
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	71	71
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	172	172
81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	132	132
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	12	12
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1
81700855	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1C NO. 2	FOOT	1314	1314
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1979	1979
86300400	CONTROLLER CABINET TYPE IV	EACH	1	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2306	2306
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2679	2679
87500900	TRAFFIC SIGNAL POST, 13 FT.	EACH	2	2
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1	1
87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6	6
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3	3
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39	39
88040070	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	4
88040090	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6	6
88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	6	6
88600100	DETECTOR LOOP, TYPE I	FOOT	512	512
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	18	18
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	2800	2800

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HORNER &
SHIFRIN, INC.
ENGINEERS**

TRAFFIC SIGNAL DETAILS
IL 3 AT PROPOSED RAMP P5LT
LEGEND AND SCHEDULE OF QUANTITIES

SCALE: NONE

SHEET NO. 1 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	71
CONTRACT NO. 76D87				

ILLINOIS FED. AID PROJECT

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ELECTRICAL GENERAL NOTES

- ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" L.E.D. SECTIONS. ALL MOUNTING HARDWARE, SIGNAL POSTS, AND BASES SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
- BACKPLATES SHALL BE ABS PLASTIC.
- THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE. ALL MAST ARMS AND POLES SHALL BE GALVANIZED.
- ACTUAL DEPTHS OF THE CONCRETE FOUNDATIONS FOR THE SIGNAL POLES AND MAST ARM SUPPORT POLES ARE AS FOLLOWS:

ILLINOIS ROUTE 3 AND PROPOSED RAMP P5LT

NORTHEAST CORNER MAST ARM: 11'-0" DEEP
 NORTHEAST POLE: 3'-0" DEEP
 WEST SIDE MAST ARM: 15'-0" DEEP
 SOUTHWEST CORNER MAST ARM: 13'-0" DEEP
 SOUTHEAST CORNER POLE: 3'-0" DEEP

THESE DEPTHS ARE DETERMINED FROM THE SOIL BORING DATA.

- ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
- THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.
- DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER ARTICLE 873.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARD DRAWING 886001. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD. ROSIN-CORE SOLDER SHALL BE USED.
- CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
- ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(B)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
- ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATION. AGENCIES KNOWN TO HAVE UNDERGROUND FACILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT ARE THE FOLLOWING: MEMBER OF J.U.L.I.E. PHONE (800) 892-0123 ARE INDICATED BY • (CALL ONE WEEK BEFORE YOU PLAN TO DIG).
 - EXPLORER
 - LEVEL 3
 - BUCKEYE
 - AT&T
- ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.
- CABLE MARKING TAPE SHALL BE INCLUDED WITH THE PAY ITEM "TRENCH AND BACKFILL FOR ELECTRICAL WORK" AND INSTALLED PER ARTICLE 815.03(D) OF THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.
- A 1/4" NYLON PULL ROPE SHALL BE FURNISHED AND INSTALLED IN ALL SIGNAL CONDUITS, THIS WORK SHALL BE INCLUDED WITH THE CONDUIT PAY ITEM.
- THE QUANTITIES FOR DETECTOR LOOPS INCLUDE TWO (2) 6' X 6' CALL CARRY OVER LOOPS FOR THE SOUTHBOUND ILLINOIS ROUTE 3 APPROACH TO THE INTERSECTION OF ILLINOIS ROUTE 3 AND CHAIN OF ROCKS ROAD, WHICH MAY NEED TO BE REPLACED DUE TO THE EXTENTS OF THE HOT-MIX ASPHALT OVERLAY.
- SEE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND CONSTRUCTION STAGING REQUIREMENTS.

STANDARDS

- 720001
- 720016
- 805001
- 814001
- 814006
- 857001
- 873001
- 877001
- 877011
- 878001
- 880006
- 886001
- 886006

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR ILLINOIS ROUTE 3 AND RAMP 5 LT

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
1. WB LT CD	7	6'X50' (Ø)	3-6-3	798.8	1.88
2. WB CCO	7	6'X6'	7	440.4	2.11
3. SB CCO A	2	6'X6'	7	515.0	3.81
4. SB CCO B	2	6'X6'	7	517.6	3.87
5. SB CCO A	6	6'X6'	7	482.0	3.06
6. NB CCO B	6	6'X6'	7	479.1	2.99

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

DETECTOR LOOP REQUIREMENTS FOR ILLINOIS ROUTE 3 AND CHAIN OF ROCKS ROAD

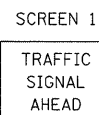
LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
7. SB CCO A	EX	6'X6'	EX	EX	EX
8. SB CCO B	EX	6'X6'	EX	EX	EX

TRAFFIC SIGNAL TURN-ON NOTES

- PRIOR TO TRAFFIC SIGNAL TURN-ON, CHANGEABLE MESSAGE SIGNS SHALL BE PLACED ON NB IL ROUTE 3, SB IL ROUTE 3 AND RAMP P5LT PRIOR TO THE NEW SIGNALIZED INTERSECTION. A MESSAGE SIMILAR TO THIS EXAMPLE OR AS DIRECTED BY THE ENGINEER SHALL BE DISPLAYED ON ALL SIGNS FOR A PERIOD OF 72 HOURS PRIOR TO THE TRAFFIC SIGNAL TURN-ON.



- AFTER THE TRAFFIC SIGNAL TURN-ON, A MESSAGE SIMILAR TO THIS EXAMPLE OR AS DIRECTED BY THE ENGINEER SHALL BE DISPLAYED ON ALL SIGNS FOR A PERIOD OF 72 HOURS.



- ALL MESSAGES TO BE DISPLAYED ON THE CHANGEABLE MESSAGE SIGNS SHALL BE APPROVED BY THE ENGINEER.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

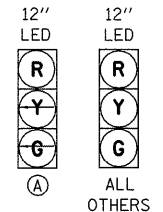
**HORNER &
 SHIRIN, INC.
 ENGINEERS**

TRAFFIC SIGNAL DETAILS
 IL 3 AT PROPOSED RAMP P5LT
 ELECTRICAL NOTES

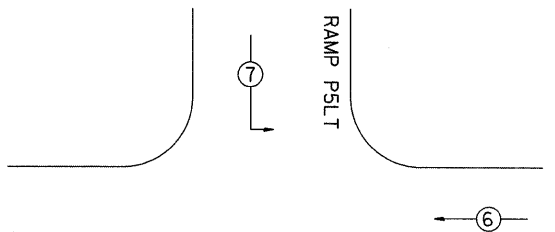
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	72
				CONTRACT NO. 76D87
ILLINOIS FED. AID PROJECT				

SEQUENCE OF OPERATION			
PHASE	2	6	7
MOVEMENT	→	←	↙
CONCURRENT MOVEMENT PERMITTED	6	2	N/A

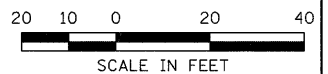
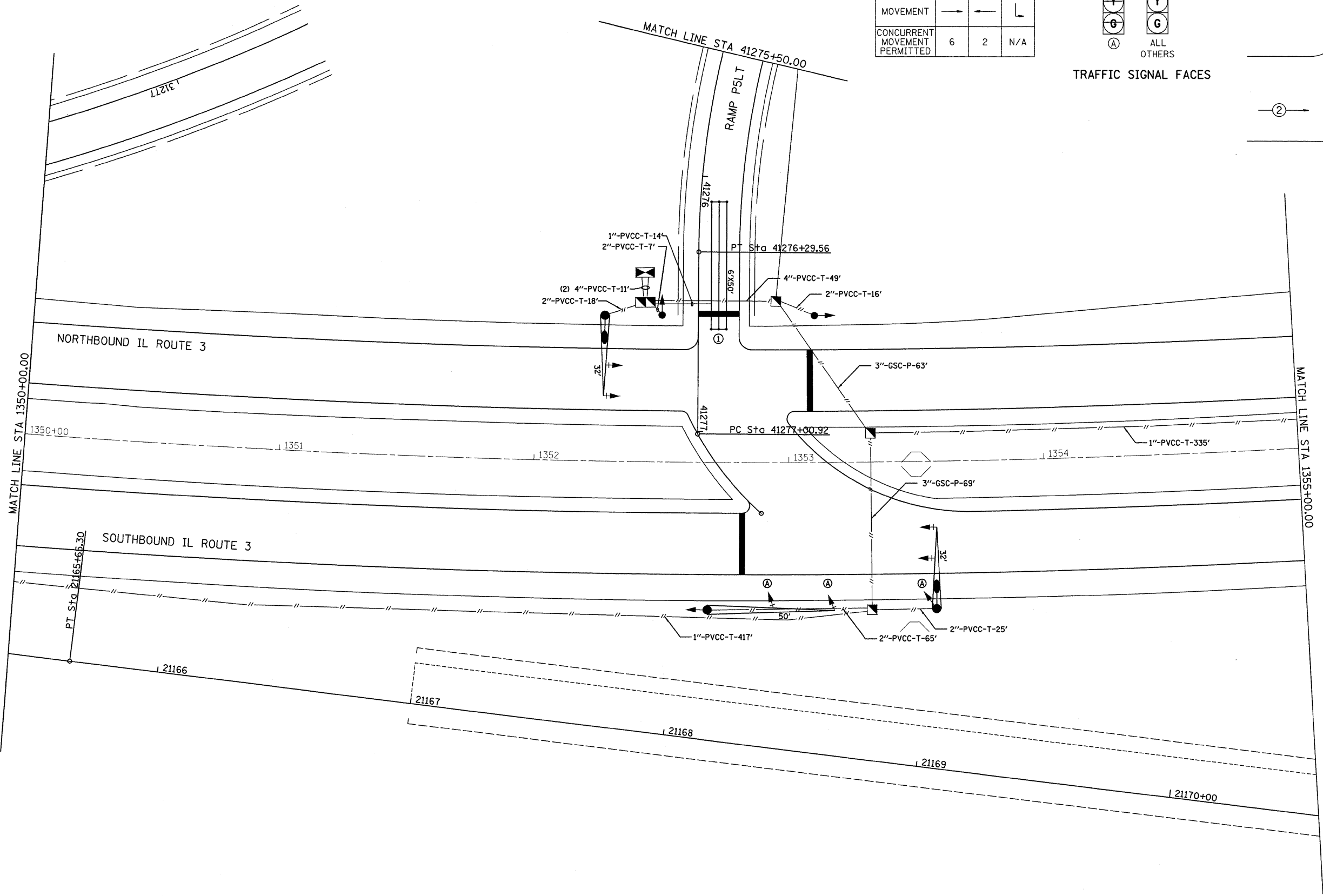


TRAFFIC SIGNAL FACES



FAP 2 (IL ROUTE 3)

PHASE DESIGNATION DIAGRAM



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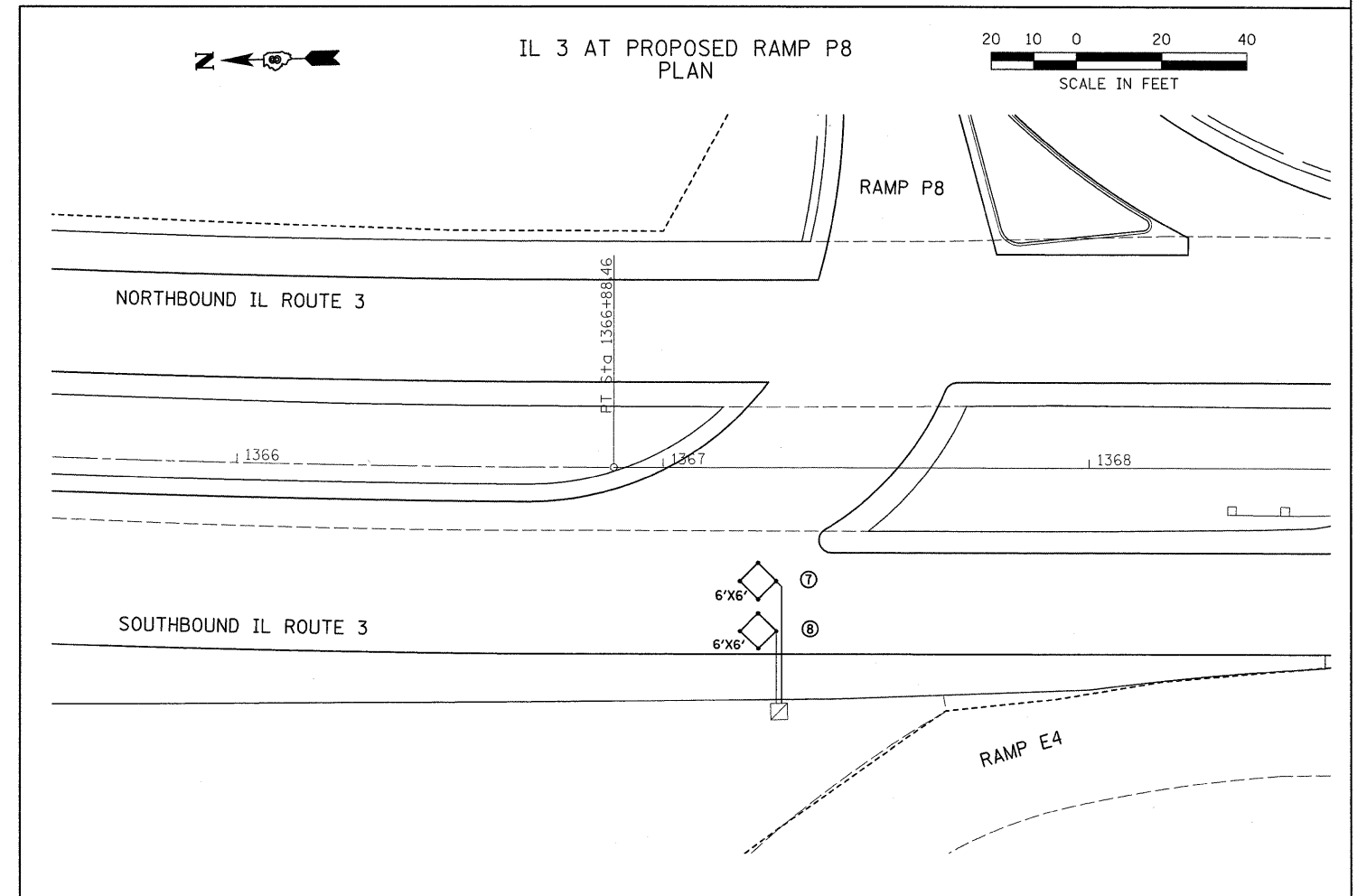
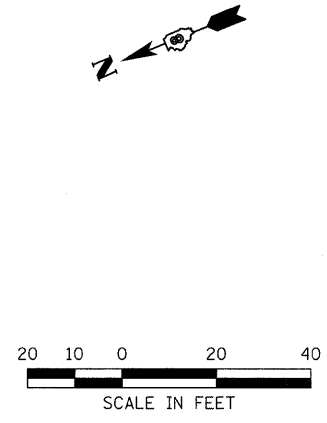
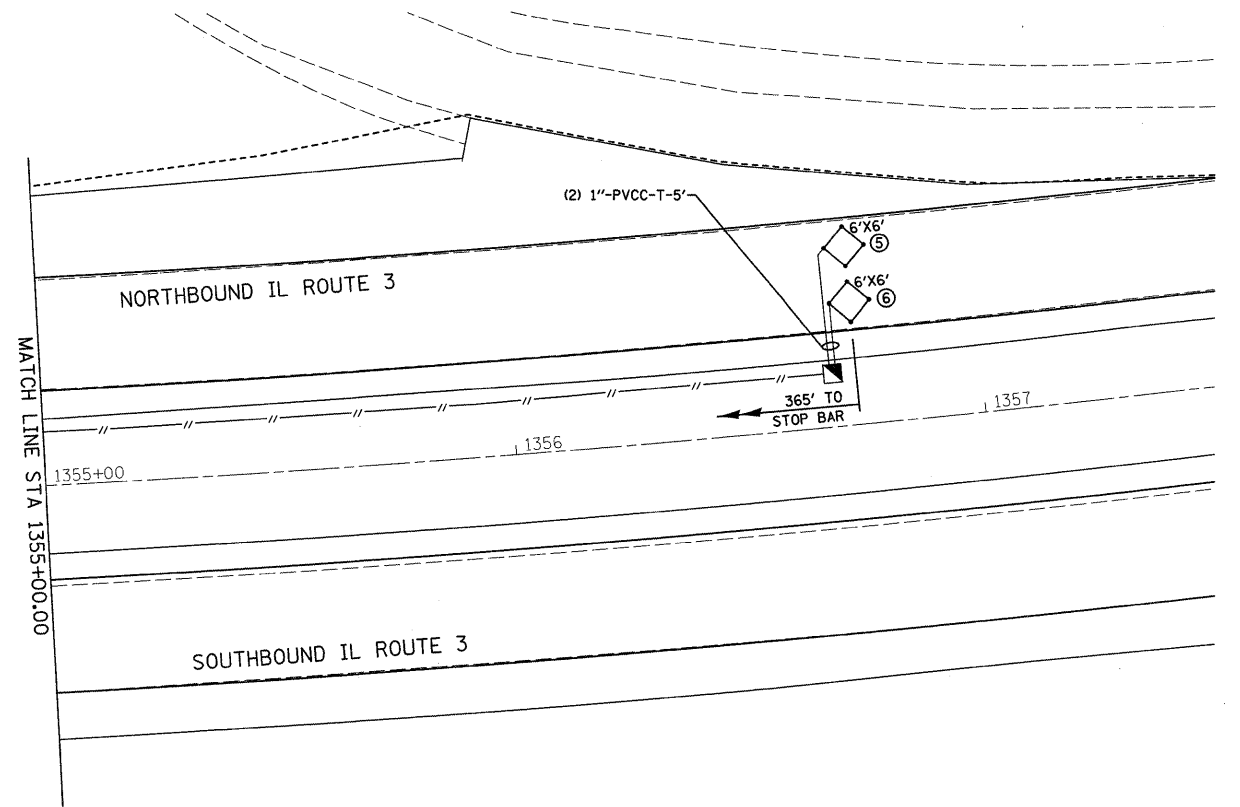
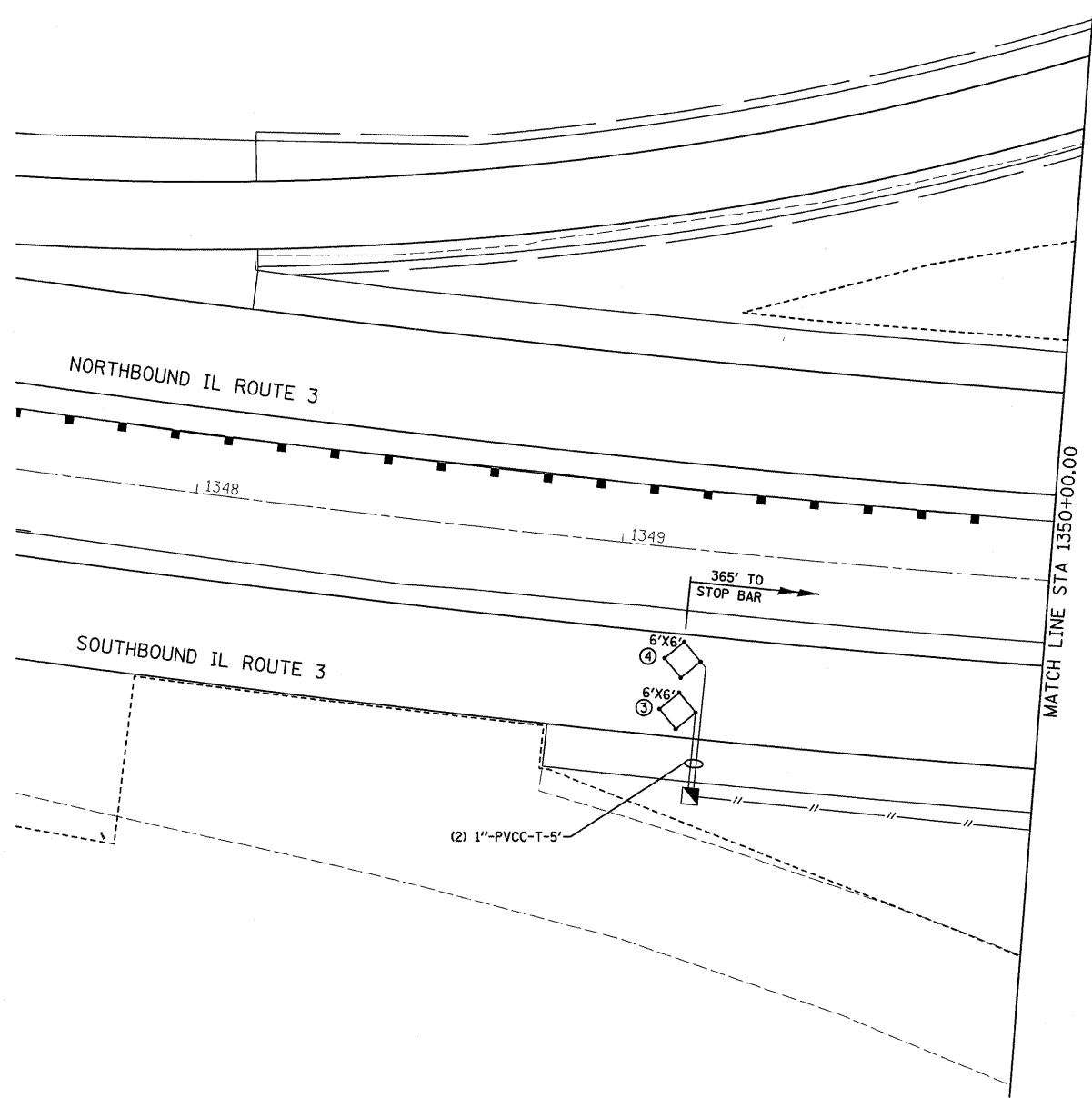
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TRAFFIC SIGNAL DETAILS
IL 3 AT PROPOSED RAMP P5LT
PLAN

SCALE: 1" = 20' SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	73
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



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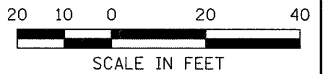
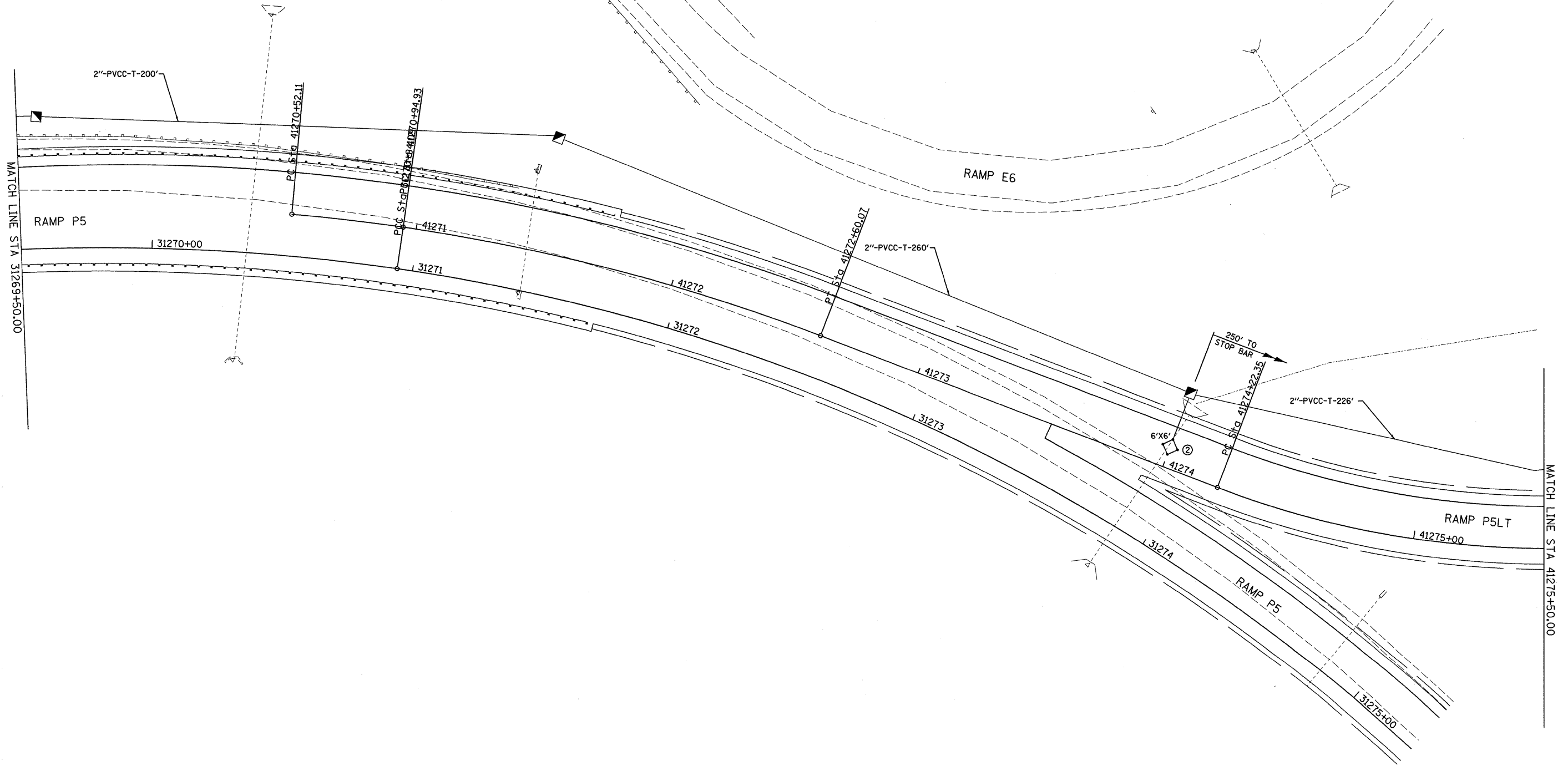
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORNER & SHIRIN, INC.
ENGINEERS

TRAFFIC SIGNAL DETAILS
 IL 3 AT PROPOSED RAMPS P5LT AND P8
 PLAN

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 74
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. 4 OF 7 SHEETS STA. TO STA.



LAST SAVED = 3/13/2010
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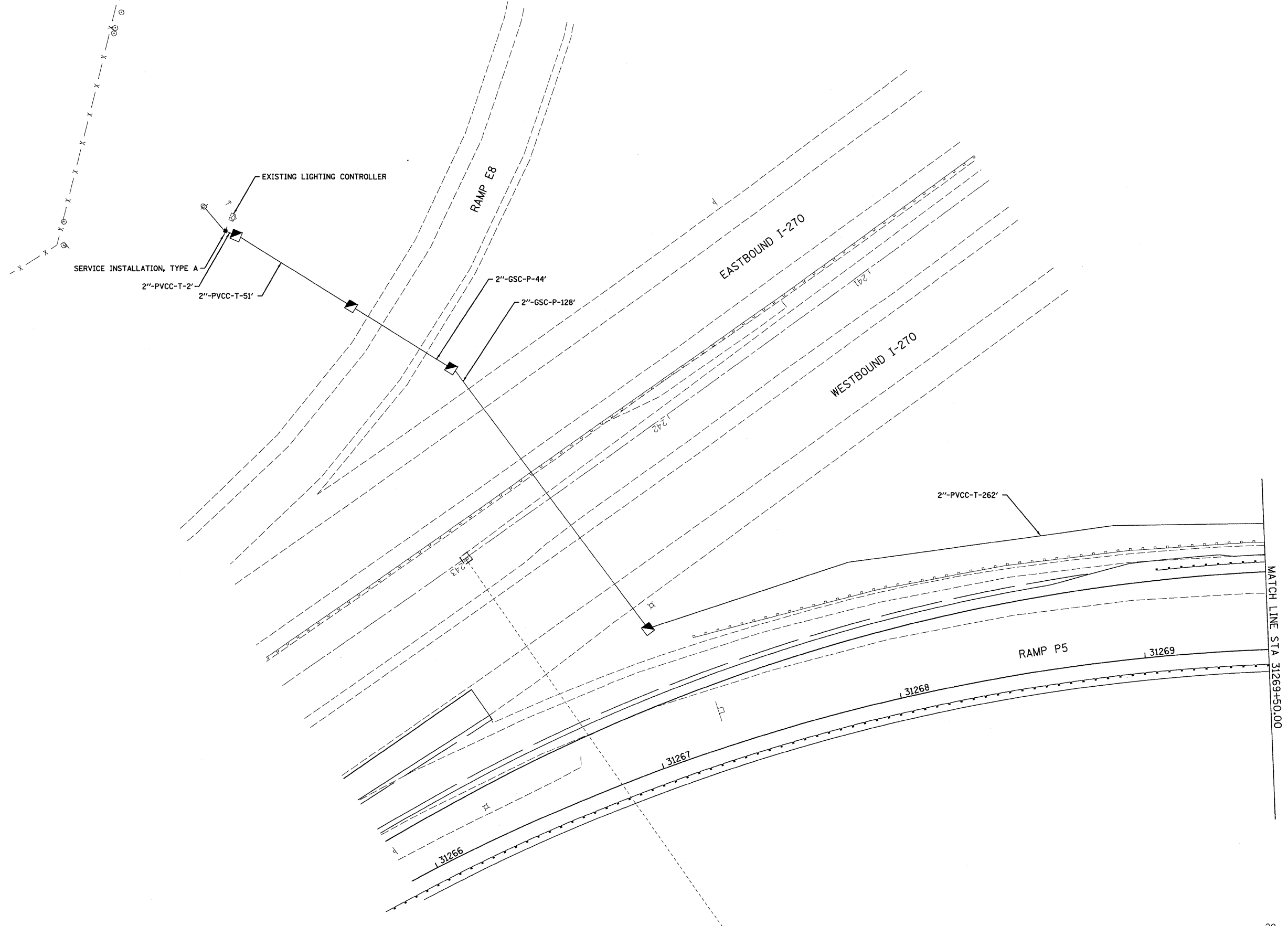
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**TRAFFIC SIGNAL DETAILS
 IL 3 AT PROPOSED RAMP P5LT
 PLAN**

SCALE: 1" = 20' SHEET NO. 5 OF 7 SHEETS STA. TO STA.

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 75
CONTRACT NO. 76D87				ILLINOIS FED. AID PROJECT



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DESIGNED -
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 CHECKED -
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 DATE -

REVISIONS
 REVISION NO. | DATE | DESCRIPTION
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



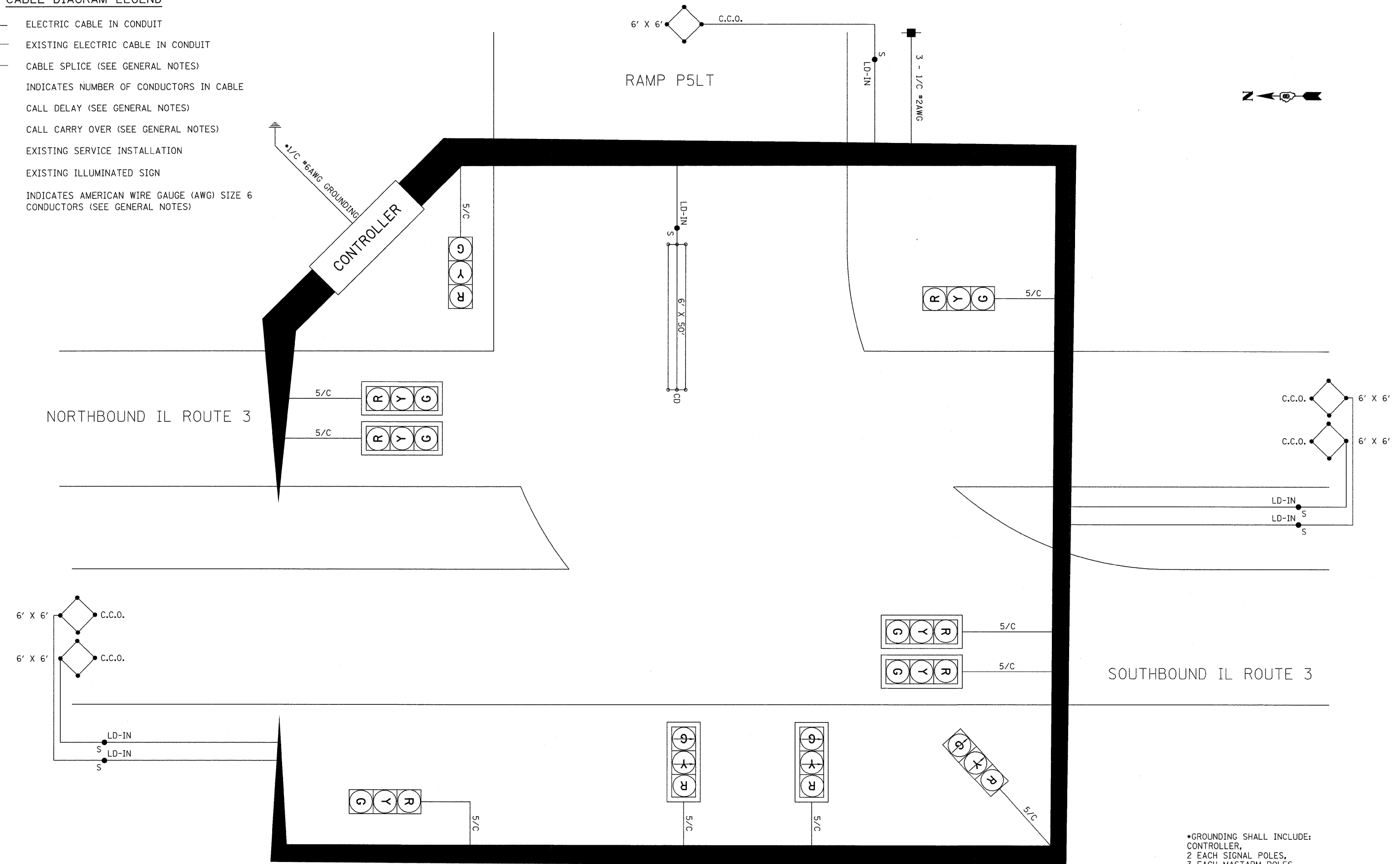
TRAFFIC SIGNAL DETAILS
 IL 3 AT PROPOSED RAMP P5LT
 PLAN

SCALE: 1" = 20' SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 76
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S CABLE SPLICE (SEE GENERAL NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- EXISTING SERVICE INSTALLATION
- EXISTING ILLUMINATED SIGN
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)



*GROUNDING SHALL INCLUDE:
 CONTROLLER,
 2 EACH SIGNAL POLES,
 3 EACH MASTARM POLES,
 DOUBLE HANDHOLE, AND
 4 EACH HANDHOLES AT INTERSECTION
 7 EACH HANDHOLES FOR ELECTRIC FEEDER
 (C.C.O. HANDHOLES DO NOT REQUIRE GROUNDING)

LAST SAVED = 3/13/2010
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORNER & SHIFRIN, INC.
ENGINEERS

TRAFFIC SIGNAL DETAILS
 IL 3 AT PROPOSED RAMP P5LT
 CABLE DIAGRAM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	77
CONTRACT NO. T6D87				
ILLINOIS FED. AID PROJECT				

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



Illinois Department
of Transportation

Division of Highways
SCI Engineering

SOIL BORING LOG

Page 1 of 1

Date 01/15/10

ROUTE FAI 270 / IL Rte 3 DESCRIPTION Mast Arm LOGGED BY SCI/BCR

SECTION 60-2RS-3 LOCATION Granite City, S1/2, SEC. 29, TWP. 4N, RNG. 9W

COUNTY Madison DRILLING METHOD CME 75 w/HSA HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft
BORING NO. B-SP3 Station 1352+45 Offset 50.0 ft L Ground Surface Elev. 418.1 ft					Groundwater Elev.: First Encounter 410.1 ft ▼ Upon Completion _____ ft After _____ Hrs. _____ ft
ASPHALT - 12 inches	417.1				
FILL: Gray, silty clay (A-7)	3		1.8	33	
Hydrometer and sieve analysis conducted on sample from 1 to 2.5 feet	6		B		
CLAY: Gray (A-7)	3		2.3	26	
	5		B		
	7				
SILTY CLAY: Brown, trace sand (A-6)	2		0.6	32	
	2		B		
	3				
SAND: Brown, fine, some silt (A-2)	2				
	1				
	2				
SILT: Brown, some sand (A-4)	WH		<0.25	34	
Hydrometer and sieve analysis conducted on sample from 11 to 12.5 feet	1		P		
CLAY: Gray and brown (A-7)	WH				
SAND: Brown, fine (A-3)	3		<0.25	35	
	5		P		
	3				
	6				
	5				
	3				
	5				
	11				

Boring terminated at 20.0 ft.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



Illinois Department
of Transportation

Division of Highways
SCI Engineering

SOIL BORING LOG

Page 1 of 1

Date 01/20/10

ROUTE FAI 270 / IL Rte 3 DESCRIPTION Mast Arm LOGGED BY SCI/BCR

SECTION 60-2RS-3 LOCATION Granite City, S1/2, SEC. 29, TWP. 4N, RNG. 9W

COUNTY Madison DRILLING METHOD CME 75 w/HSA HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft
BORING NO. B-SP4 Station 1353+03 Offset 75.0 ft R Ground Surface Elev. 414.5 ft					Groundwater Elev.: First Encounter 406.5 ft ▼ Upon Completion _____ ft After _____ Hrs. _____ ft
CLAY: Brown (A-7)	1		1.3	32	
	3		P		
	3				
	1		1.7	39	
	3		S/15		
	4				
SILTY CLAY: Brown and gray (A-6)	WH		<0.25	35	
	2		P		
	2				
SAND: Brown, fine (A-3)	1				
	4				
	3				
Some silt	1				
	3				
	5				
Fine to medium	WH				
Hydrometer and sieve analysis conducted on sample from 13.5 to 15 feet	1				
	1				
	2				
	4				
	7				
	2				
	4				
	4				

Boring terminated at 20.0 ft.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TRAFFIC SIGNAL DETAILS
IL 3 AT PROPOSED RAMP P5LT
MAST ARM BORING LOGS

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 78
CONTRACT NO. 76D87				ILLINOIS FED. AID PROJECT



Illinois Department of Transportation
Division of Highways
SCI Engineering

SOIL BORING LOG

Page 1 of 1

Date 01/22/10

ROUTE FAI 270 / IL Rte 3 DESCRIPTION Mast Arm LOGGED BY SCI/BCR

SECTION 60-2RS-3 LOCATION Granite City, S1/2, SEC. 29, TWP. 4N, RNG. 9W

COUNTY Madison DRILLING METHOD CME 75 w/HSA HAMMER TYPE Automatic

STRUCT. NO. _____
Station _____
BORING NO. B-SP5
Station 1353+71
Offset 116.0 ft R
Ground Surface Elev. 413.1 ft

DEPTHS (ft) (6") (tsf) (%)

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter 406.1 ft ▼
Upon Completion - ft
After - Hrs. - ft

DEPTH (ft)	(6")	(tsf)	(%)	DESCRIPTION
0				CLAY: Brown (A-7)
1				
3	1.3		47	
4	B			
408.6				SILTY CLAY: Brown (A-6)
1				
2	0.3		35	
3	B			
406.4				SAND: Gray, fine (A-3)
1				
4	0.3		34	
3	P			
403.4				Brown
1				
3				
403.4				Gray
1				
2				
402.8				CLAY: Gray, some sand (A-7)
1				
2				SAND: Brown, fine to medium (A-3)
5				
5				
1				
3				
15				
2				Fine
5				
9				
2				Fine to medium
6				
9				
393.1				Boring terminated at 20.0 ft.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



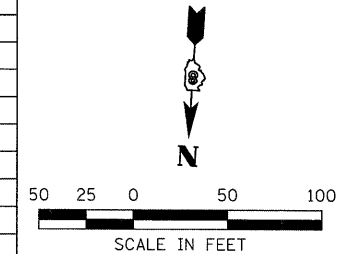
TRAFFIC SIGNAL DETAILS
IL 3 AT PROPOSED RAMP P5LT
MAST ARM BORING LOGS

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 79
CONTRACT NO. 76D87			ILLINOIS FED. AID PROJECT	

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

SCHEDULE OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES
81000300	CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	169
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	1320
81018200	CONDUIT PUSHED, 1" DIA., GALVANIZED STEEL	FOOT	111
81400200	HEAVY DUTY HANDHOLE	EACH	7
81702415	ELECTRIC CABLE IN CONDUIT 600V (XLP-TYPE USE) 3-1C NO 6	FOOT	1500
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1500
82102400	LUMINAIRE SODIUM VAPOR HORIZONTAL MOUNT 400 WATT	EACH	8
83007400	LIGHT POLE ALUMINUM 35 FOOT HOUNTING HEIGHT 10 FOOT MAST ARM	EACH	6
83600200	LIGHT POLE FOUNDATION 24 INCH DIAMETER	FOOT	33
83800105	BREAKAWAY DEVICE TRANSFORMER BASE 11.5 INCH BOLT CIRCLE	EACH	6
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	12
84200806	REMOVAL OF POLE FOUNDATION - CONCRETE	EACH	9



PROP. CURVE PR-P5-2
 PI STA. = 31268+43.19
 $\Delta = 37^\circ 19' 01''$ (RT)
 $D = 7^\circ 09' 43''$
 $R = 800.00'$
 $T = 270.14'$
 $L = 521.04'$
 $E = 44.38'$
 $e = 6\%$
 $T.R. = N/A$
 $S.E. RUN = -180$
 $P.C. STA. = 31265+73.05$
 $P.T. STA. = 31270+94.09$

PROP. CURVE PR-P5-1
 PI STA. = 31255+55.80
 $\Delta = 0^\circ 34' 27''$ (LT)
 $D = 0^\circ 30' 52''$
 $R = 11,134.50'$
 $T = 55.80'$
 $L = 111.59'$
 $E = 0.14'$
 $e = N/A$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 31255+00.00$
 $P.T. STA. = 31256+11.59$

STA 31260+61
 1 - REMOVAL OF LIGHTING UNIT, NO SALVAGE
 1 - REMOVAL OF POLE FOUNDATION - CONCRETE

STA 31261+00
 1 - LIGHT POLE, ALUMINUM, 35' MH, 10' MA
 1 - LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT
 1 - BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5" BOLT CIRCLE
 5.5' - LIGHT POLE FOUNDATION, 24 INCH DIAMETER

STA 31263+00
 1 - LIGHT POLE, ALUMINUM, 35' MH, 10' MA
 1 - LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT
 1 - BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5" BOLT CIRCLE
 5.5' - LIGHT POLE FOUNDATION, 24 INCH DIAMETER

STA 31264+07
 1 - REMOVAL OF LIGHTING UNIT, NO SALVAGE
 1 - REMOVAL OF POLE FOUNDATION - CONCRETE

STA 31265+00
 1 - LIGHT POLE, ALUMINUM, 35' MH, 10' MA
 1 - LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT
 1 - BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5" BOLT CIRCLE
 5.5' - LIGHT POLE FOUNDATION, 24 INCH DIAMETER

STA 31265+25
 DISCONNECT TRUSS NO 1

STA 31266+28
 1 - REMOVAL OF LIGHTING UNIT, NO SALVAGE
 1 - REMOVAL OF POLE FOUNDATION - CONCRETE

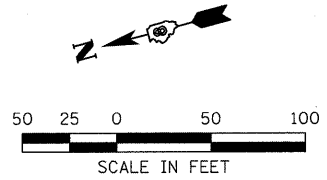
STA 242+50
 EXISTING POLE TO REMAIN
 DISCONNECT AND ABANDON
 FEED TO DOWNSTREAM POLES

LEGEND

- EXISTING LIGHTING CONTROLLER
- UNIT DUCT 2 #6 XLP, 1 #8 XLPG, 1" PVC
- CONDUIT - SIZE SPECIFIED
- II, III DISTRIBUTION TYPE, 2 OR 3
- EXISTING LIGHT & POLE
- NEW POLE & FIXTURE, 10' MAST ARM

LAST SAVED = 3/15/2010
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FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		LIGHTING DETAILS PROPOSED RAMP P5	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
270	60-2RS-3	MADISON	231				80						
CONTRACT NO. 76D87													
ILLINOIS FED. AID PROJECT													



EXIST. CURVE EX-IL3-1
 PI STA. = 1353+94.79
 $\Delta = 40^\circ 35' 54''$ (LT)
 $D = 1^\circ 30' 00''$
 $R = 3,819.72'$
 $T = 1,412.89'$
 $L = 2,706.56'$
 $E = 252.94'$
 $e = 2\%$
 T.R. = -----
 S.E. RUN = 144
 P.C. STA. = 1339+81.90
 P.T. STA. = 1366+88.46

1"-PVCC-T-45'
 STA 1352+26.96
 1 - LUMINAIRE, SODIUM VAPOR,
 HORIZONTAL MOUNT, 400 WATT
 1"-PVCC-T-25'
 1 - HEAVY DUTY HANDHOLE
 INTERCEPT EXISTING CIRCUIT
 AND SPLICE NEW CONDUCTOR

1"-GSC-T-46'
 ABANDON EXISTING CONDUCTOR
 1"-PVCC-T-80'
 1 - HEAVY DUTY HANDHOLE
 INTERCEPT EXISTING CIRCUIT
 AND SPLICE NEW CONDUCTOR
 1"-GSC-P-58'

SEE INTERSECTION DETAILS
 FOR INTERSECTION LAYOUT

1"-PVCC-T-11'
 1355+00
 1"-GSC-P-53'
 1"-PVCC-T-14'
 STA 1353+57.08
 1 - LUMINAIRE, SODIUM VAPOR,
 HORIZONTAL MOUNT, 400 WATT

EX SN 060-0039
 FAI 270 WB

STA 1363+59.90
 1 - REMOVAL OF LIGHTING UNIT,
 NO SALVAGE
 1 - REMOVAL OF POLE FOUNDATION -
 CONCRETE
 1 - HEAVY DUTY HANDHOLE
 INTERCEPT EXISTING CONDUCTORS
 AND SPLICE TOGETHER

STA 1364+95.65
 1 - REMOVAL OF LIGHTING UNIT,
 NO SALVAGE
 1 - REMOVAL OF POLE FOUNDATION -
 CONCRETE
 1 - HEAVY DUTY HANDHOLE
 INTERCEPT EXISTING CONDUCTORS
 AND SPLICE TOGETHER

STA 1352+71.25 IL 3 =
 STA 41277+14.09 RAMP P5LT

STA 229+41.72
 1 - REMOVAL OF LIGHTING UNIT,
 NO SALVAGE
 1 - REMOVAL OF POLE FOUNDATION -
 CONCRETE
 1 - HEAVY DUTY HANDHOLE
 INTERCEPT EXISTING CONDUCTORS
 AND SPLICE TOGETHER

STA 228+16.87
 1 - REMOVAL OF LIGHTING UNIT,
 NO SALVAGE
 1 - REMOVAL OF POLE FOUNDATION -
 CONCRETE
 1 - HEAVY DUTY HANDHOLE
 INTERCEPT EXISTING CONDUCTORS
 AND SPLICE TOGETHER

LEGEND

- EXISTING LIGHTING CONTROLLER
- UNIT DUCT 2 #6 XLP, 1 #8 XLP, 1" PVC
- CONDUIT - SIZE SPECIFIED
- II, III DISTRIBUTION TYPE, 2 OR 3
- EXISTING LIGHT & POLE
- NEW POLE & FIXTURE, 10' MAST ARM

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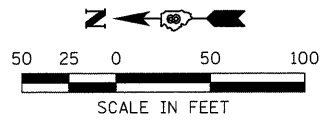
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



LIGHTING DETAILS
 ILLINOIS ROUTE 3

SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. 1352+00 TO STA. 1364+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	81
				CONTRACT NO. 76D87
ILLINOIS FED. AID PROJECT				



STA 1367+00
 1 - LIGHT POLE, ALUMINUM, 35' MH, 10' MA
 1 - LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT
 1 - BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5" BOLT CIRCLE
 5.5' - LIGHT POLE FOUNDATION, 24 INCH DIAMETER

STA 1369+00
 1 - LIGHT POLE, ALUMINUM, 35' MH, 10' MA
 1 - LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT
 1 - BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5" BOLT CIRCLE
 5.5' - LIGHT POLE FOUNDATION, 24 INCH DIAMETER

STA 1369+16
 1 - REMOVAL OF LIGHTING UNIT, NO SALVAGE
 1 - REMOVAL OF POLE FOUNDATION - CONCRETE

STA 1370+90
 1 - REMOVAL OF LIGHTING UNIT, NO SALVAGE
 1 - REMOVAL OF POLE FOUNDATION - CONCRETE

STA 1371+00
 1 - LIGHT POLE, ALUMINUM, 35' MH, 10' MA
 1 - LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT
 1 - BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5" BOLT CIRCLE
 5.5' - LIGHT POLE FOUNDATION, 24 INCH DIAMETER

1 - HEAVY DUTY HANDHOLE
 INTERCEPT EXISTING CIRCUIT
 AND SPLICE NEW CONDUCTOR
 ABANDON FEED TO DOWNSTREAM POLES

STA 1370+10
 DISCONNECT TRUSS NO 3

STA 1367+87.50 IL 3 =
 STA 103+93.40 RAMP P8

STA 1373+22.21
 END OF CONSTRUCTION

SEE INTERSECTION DETAILS
 FOR INTERSECTION LAYOUT

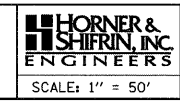
LEGEND

- EXISTING LIGHTING CONTROLLER
- UNIT DUCT 2 #6 XLP, 1 #8 XLP, 1" PVC
- CONDUIT - SIZE SPECIFIED
- DISTRIBUTION TYPE, 2 OR 3
- EXISTING LIGHT & POLE
- NEW POLE & FIXTURE, 10' MAST ARM

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



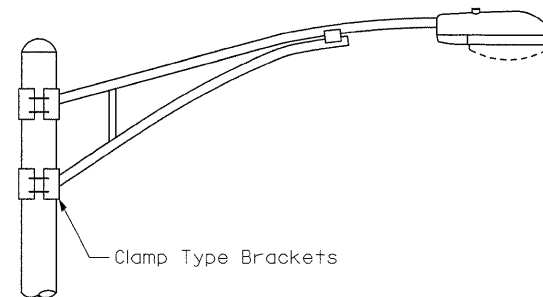
LIGHTING DETAILS
 ILLINOIS ROUTE 3

SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. 1364+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	82
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	STEEL FOUNDATION			CONCRETE FOUNDATION		
		SHAFT DIAMETER	SHAFT DEPTH	TOP PLATE (min)	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH ①
<9.1 m (30')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.52 m (5'-0")	1.45 m (4'-9")
9.4 m - 10.7 m (31'-35')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.67 m (5'-6")	1.60 m (5'-3")
10.9 m - 12.2 m (36'-40')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.83 m (6'-0")	1.75 m (5'-9")
12.5 m - 13.7 m (41'-45')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.98 m (6'-6")	1.90 m (6'-3")
14.0 m - 15.2 m (46'-50')	381 (15) ③	220 (8 5/8)	2.44 m (8')	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	2.13m (7'-0")	2.00 m (6'-9")

- ① Length does not include 100(4)hook
 ② 220 mm x 2.44 m (8 5/8" x 8'-0") for Twin luminaires
 ③ Bolt circle diam. shall be 430 (17) when a TB3-17 transformer base is used

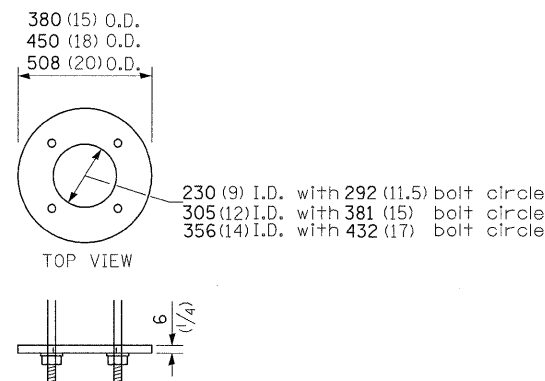
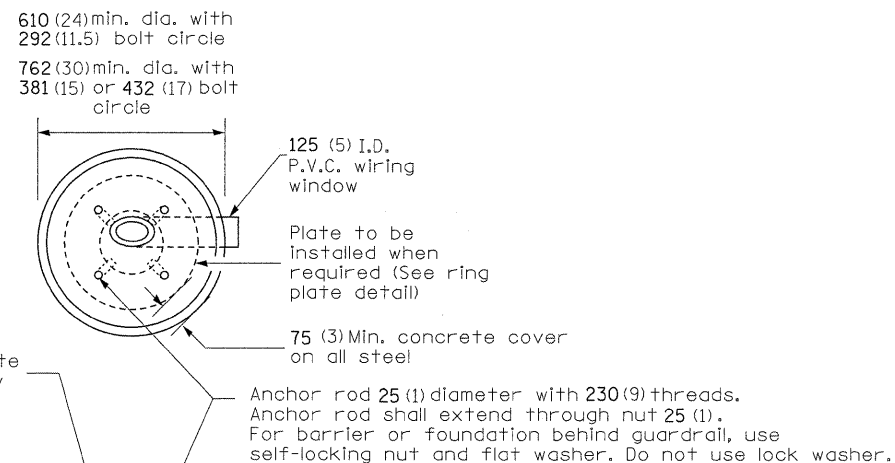
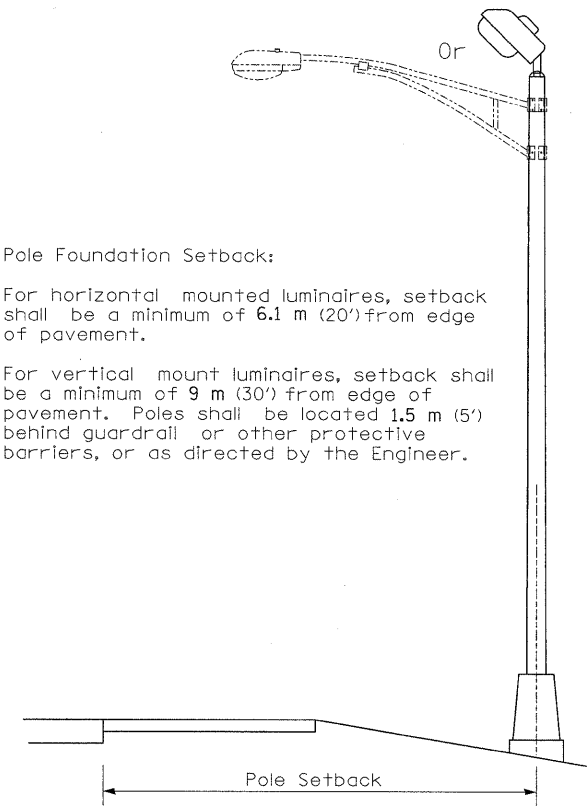


TRUSS ARM

Pole Foundation Setback:

For horizontal mounted luminaires, setback shall be a minimum of 6.1 m (20') from edge of pavement.

For vertical mount luminaires, setback shall be a minimum of 9 m (30') from edge of pavement. Poles shall be located 1.5 m (5') behind guardrail or other protective barriers, or as directed by the Engineer.

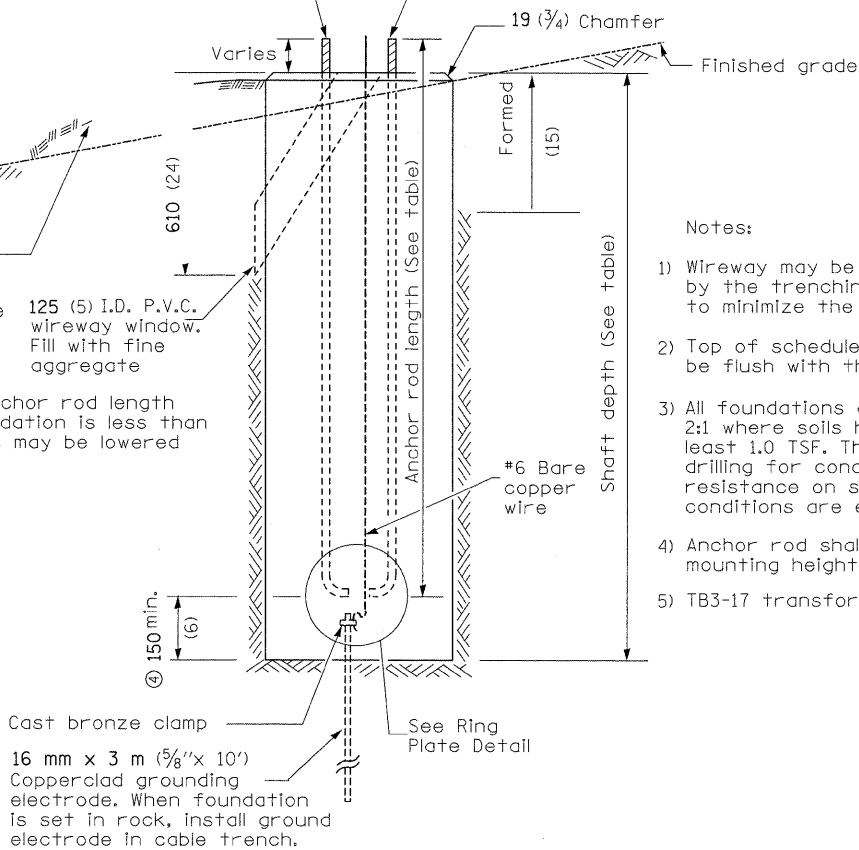


RING PLATE DETAIL
 (When rock is encountered and foundation is shallower)

Length above foundation shall be adjusted to accommodate breakaway devices furnished by the contractor for a specific installation.

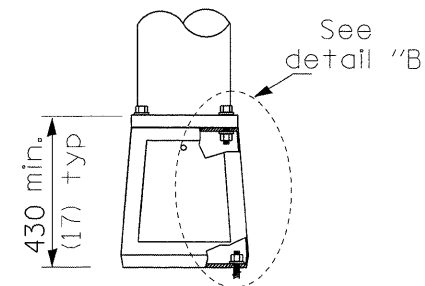
Use dirt removed from foundation to meet 1.52m (5 ft.) chord fill around foundation top. Grade dirt level with bottom of concrete with bottom of concrete chamfer.

④ If the required anchor rod length above top of foundation is less than 75 (3), anchor rods may be lowered below 150 (6).

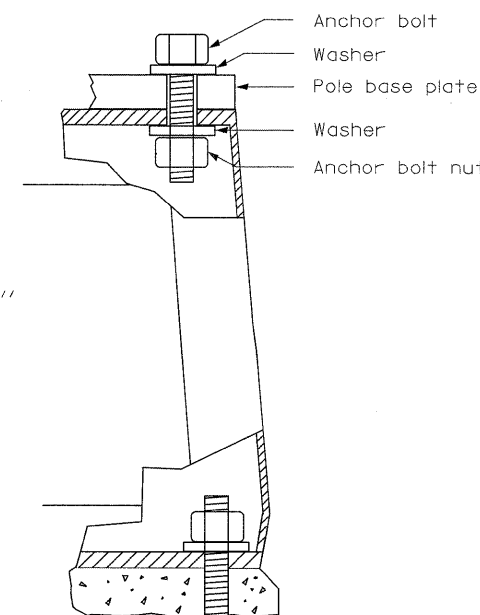


Notes:

- Wireway may be on front, back or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.
- Top of schedule 40 I.D. PVC wiring window, shall be flush with the top of foundation for drainage.
- All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.
- Anchor rod shall be increased to diameter for mounting height or above.
- TB3-17 transformer base is not to be used on metal foundation



TRANSFORMER BASE



DETAIL "B"

TYPICAL TRANSFORMER BASE FOR CONCRETE FOUNDATION ONLY

CONCRETE FOUNDATION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HORNER & SHIFRIN, INC.
 ENGINEERS

LIGHTING DETAILS
 LIGHT POLE FOUNDATION

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 83
CONTRACT NO. 76D87				

SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. 1364+00 TO STA.

ILLINOIS FED. AID PROJECT

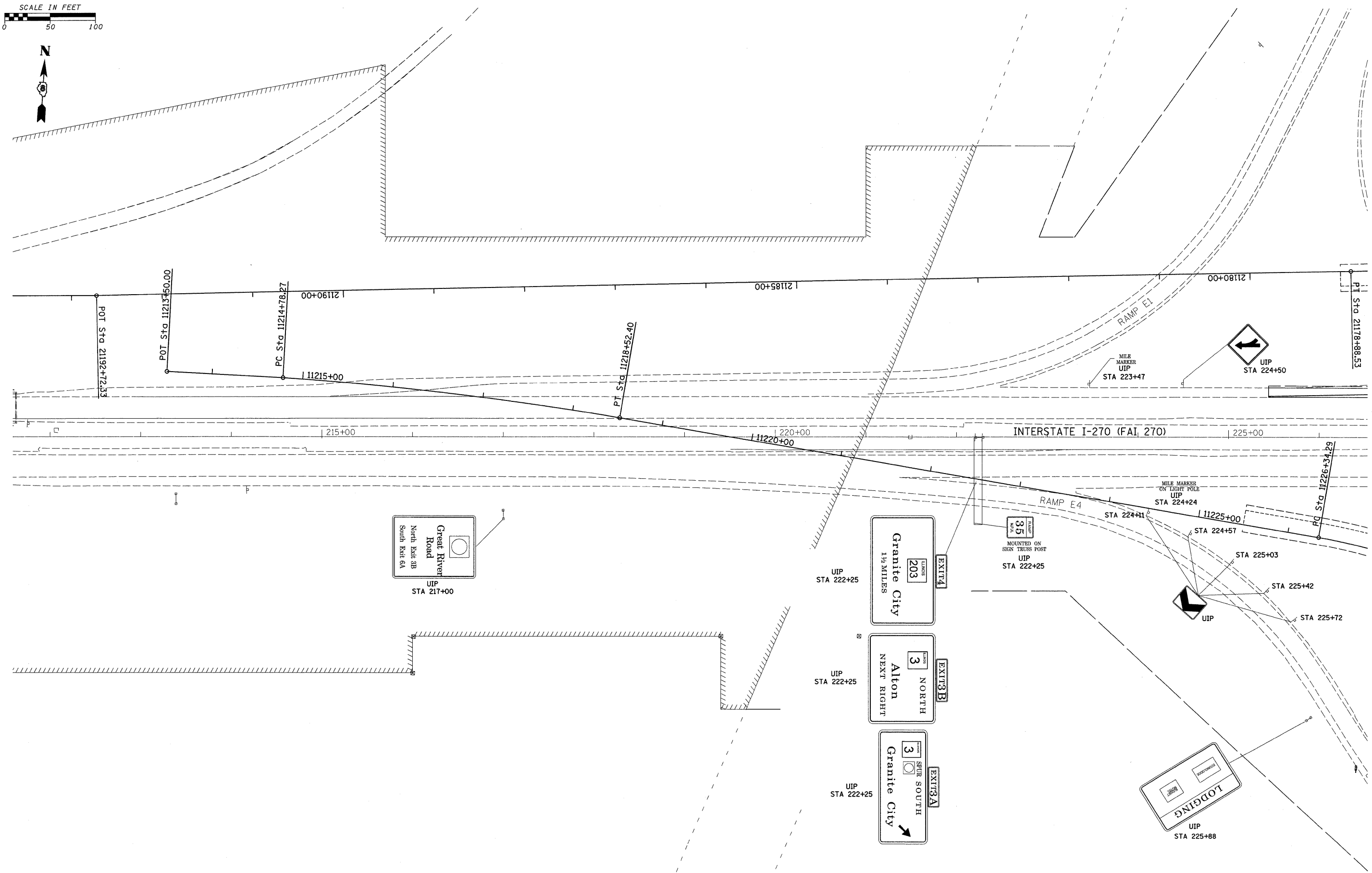
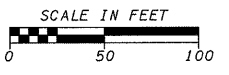
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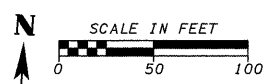
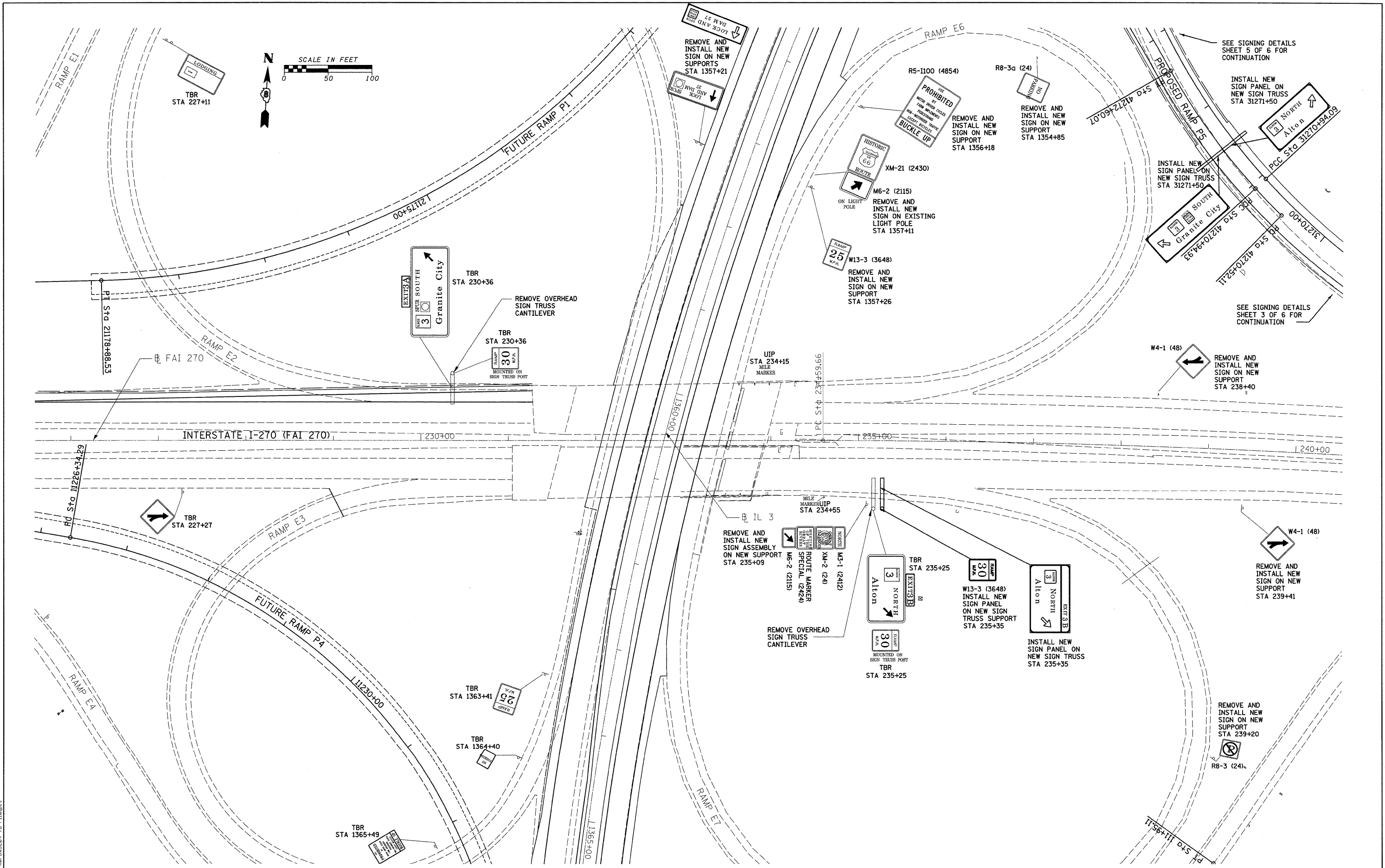
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GONZALEZ
 COMPANIES
 SCALE: 1" = 50'

SIGNING DETAILS
INTERSTATE 270
 SHEET NO. 1 OF 17 SHEETS
 STA. 1364+00 TO STA.

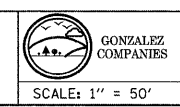
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CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



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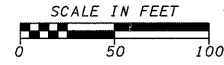
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SIGNING DETAILS
 INTERSTATE 270
 SCALE: 1" = 50'
 SHEET NO. 2 OF 17 SHEETS
 STA. 1364+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	85
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



WB I-270 SIGN MODIFICATIONS
EAST OF INTERCHANGE

REPLACE		WITH		STA 260+59
REPLACE		WITH		STA 265+15
REPLACE		WITH		STA 227+20
REPLACE		WITH		STA 294+50
REPLACE		WITH		STA 316+60

SEE SIGNING DETAILS SHEET 2 OF 6 FOR CONTINUATION

INSTALL NEW SIGN AT STA 31270+50 R8-3 (2432)

INSTALL NEW SIGN PANEL ON NEW SIGN TRUSS AT STA 249+50

INSTALL NEW SIGN PANEL ON NEW SIGN TRUSS AT STA 249+50

INSTALL NEW SIGN ON NEW SUPPORT STA 246+50 R8-3a (24)

INSTALL NEW SIGN PANEL ON NEW SIGN TRUSS POST AT STA 249+50

INSTALL NEW SIGN ASSEMBLY TO MATCH EXISTING ASSEMBLY REMOVED FROM STA 245+70 ON NEW LIGHT POLE STA 252+74

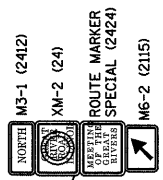
REMOVE OVERHEAD SIGN TRUSS - SPAN STA 244+55

TBR STA 244+55

TBR STA 245+70

TBR STA 242+51

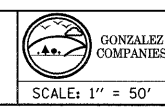
MILE MARKER UIP STA 244+37



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

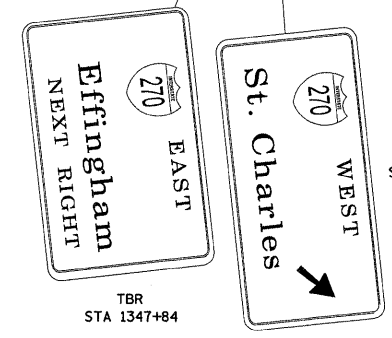
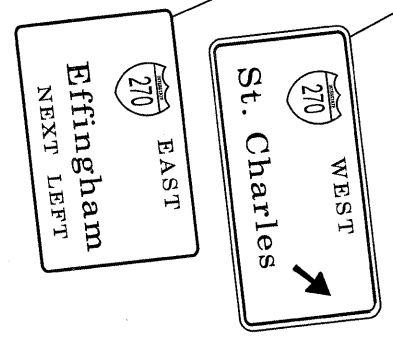
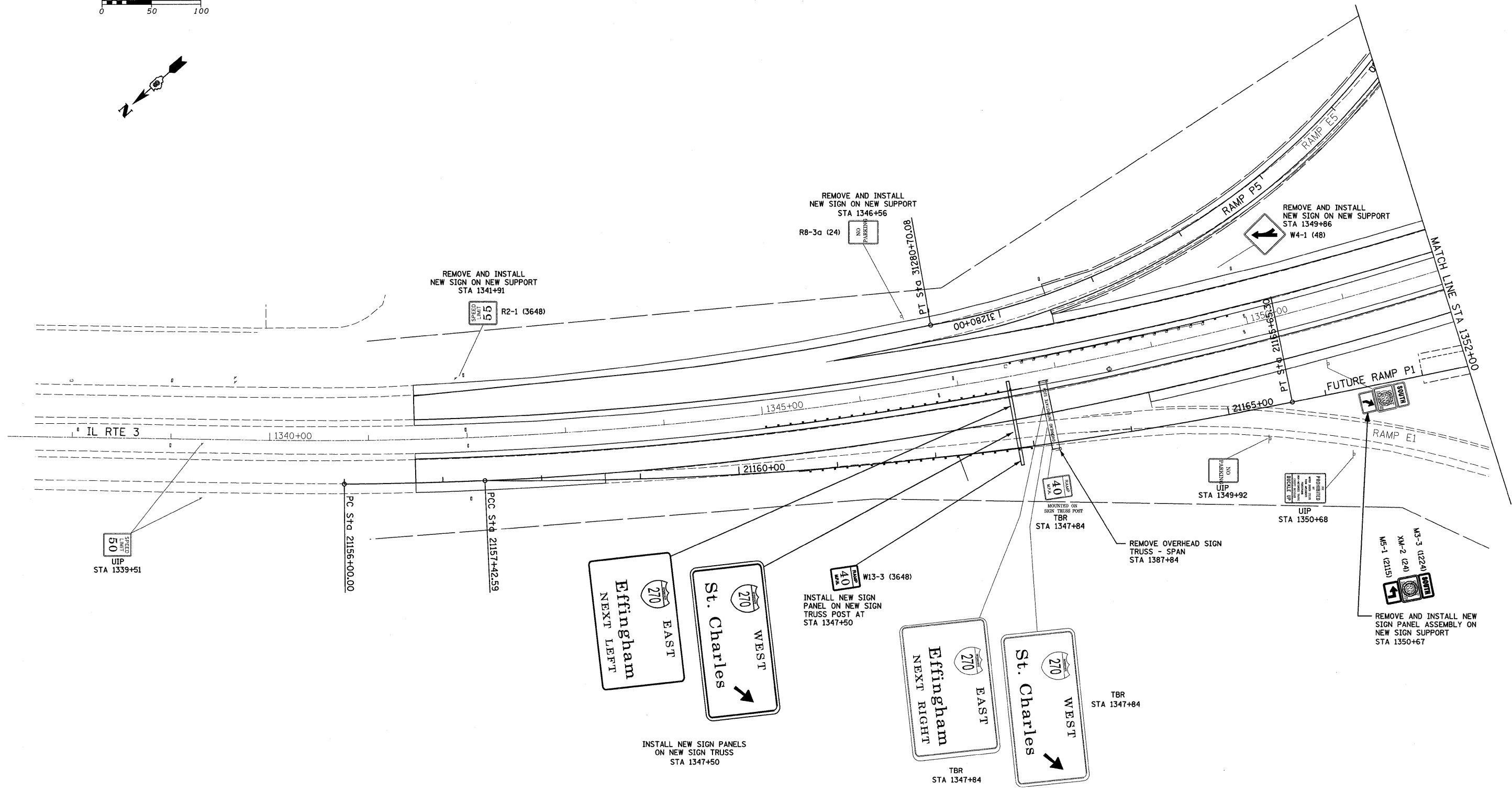
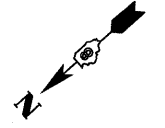
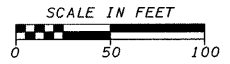


SIGNING DETAILS
INTERSTATE 270

SCALE: 1" = 50'

SHEET NO. 3 OF 17 SHEETS STA. 1364+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	86
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



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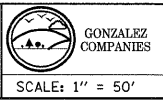
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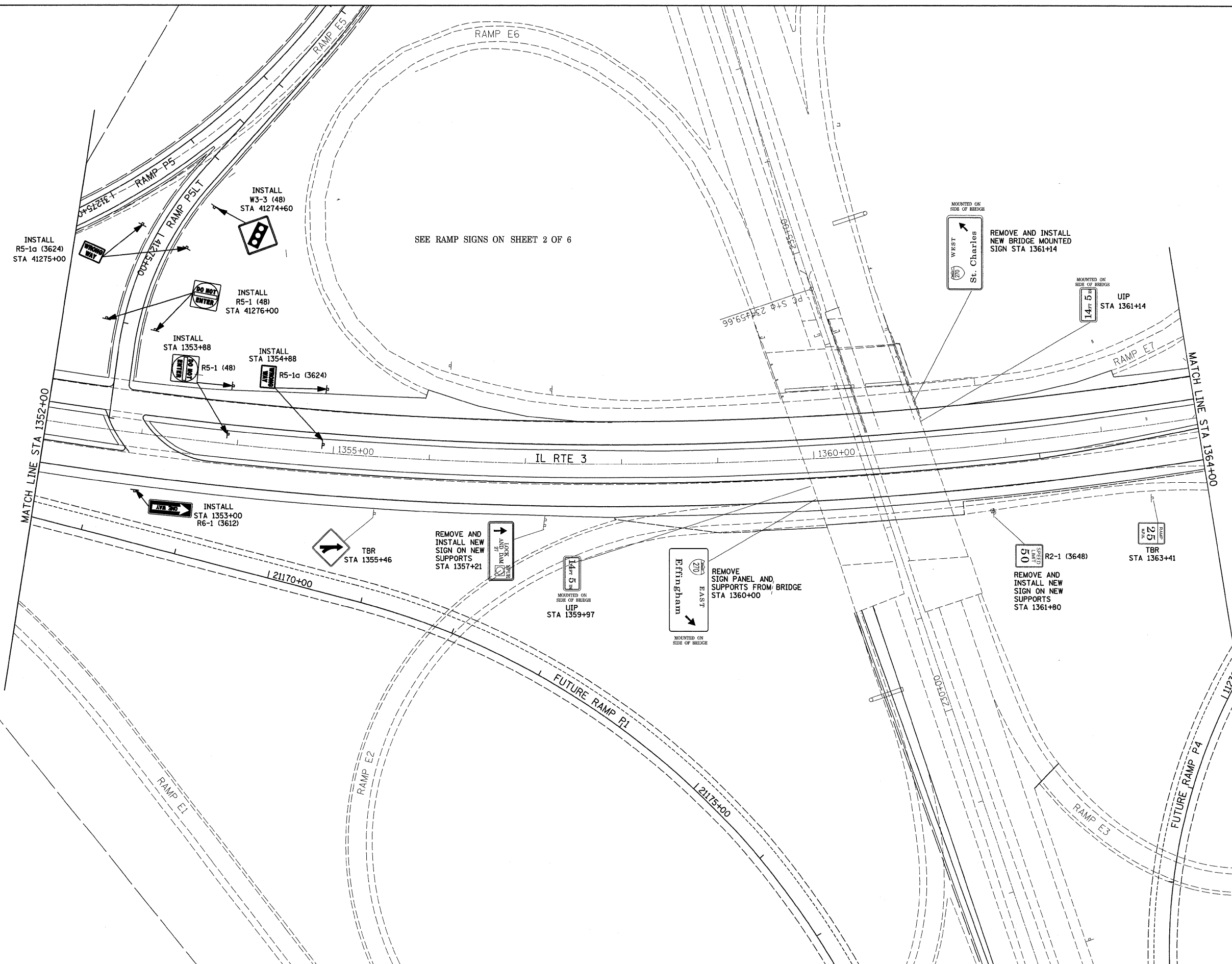
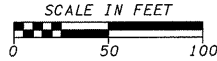
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SIGNING DETAILS
 ILLINOIS ROUTE 3
 SCALE: 1" = 50'
 SHEET NO. 4 OF 17 SHEETS
 STA. 1364+00 TO STA.

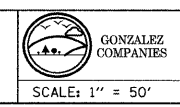
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270	60-2RS-3	MADISON	231	87
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

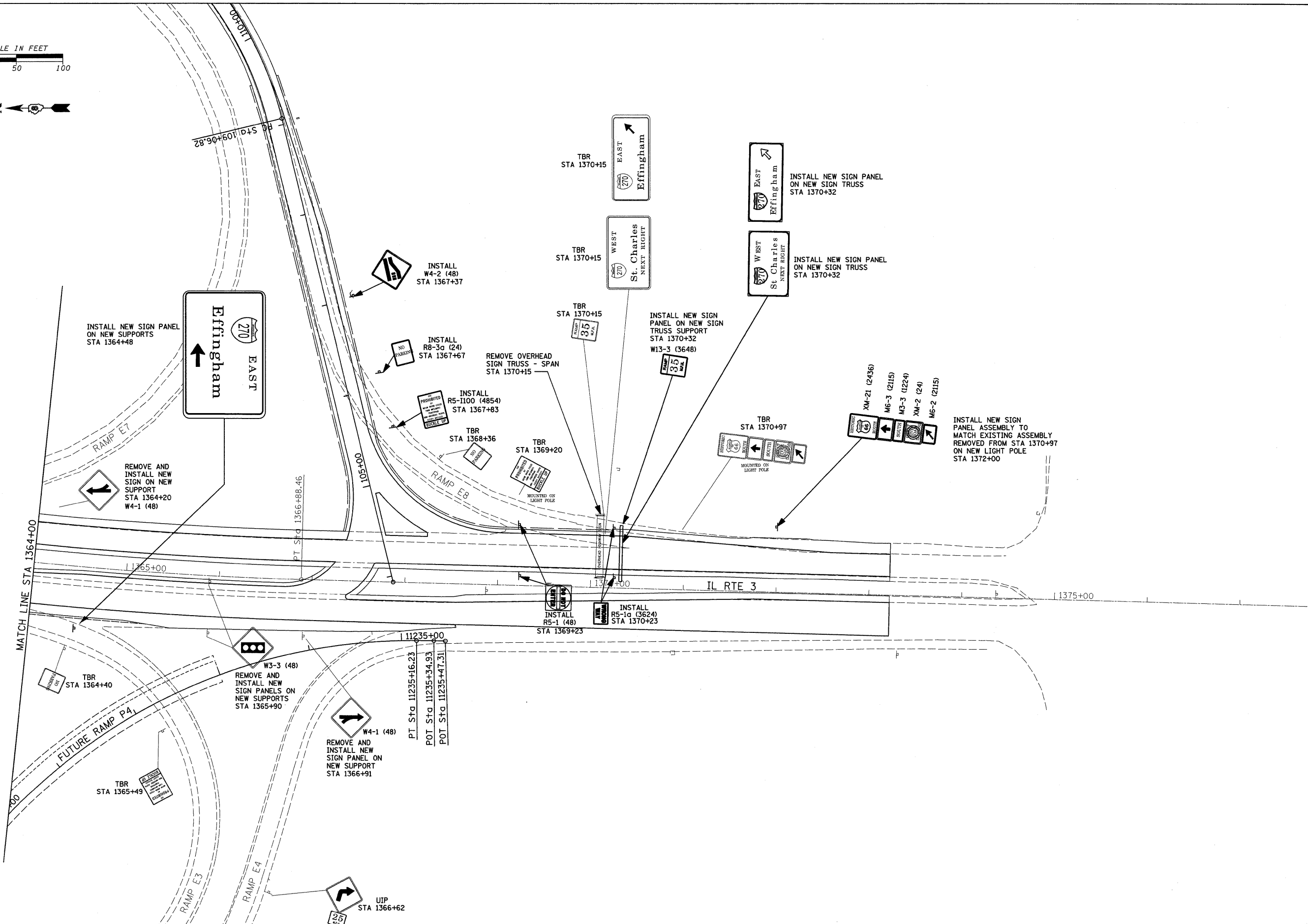
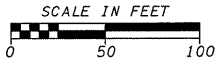


SIGNING DETAILS
ILLINOIS ROUTE 3

SCALE: 1" = 50'

SHEET NO. 5 OF 17 SHEETS STA. 1364+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	88
CONTRACT NO. T6D87				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

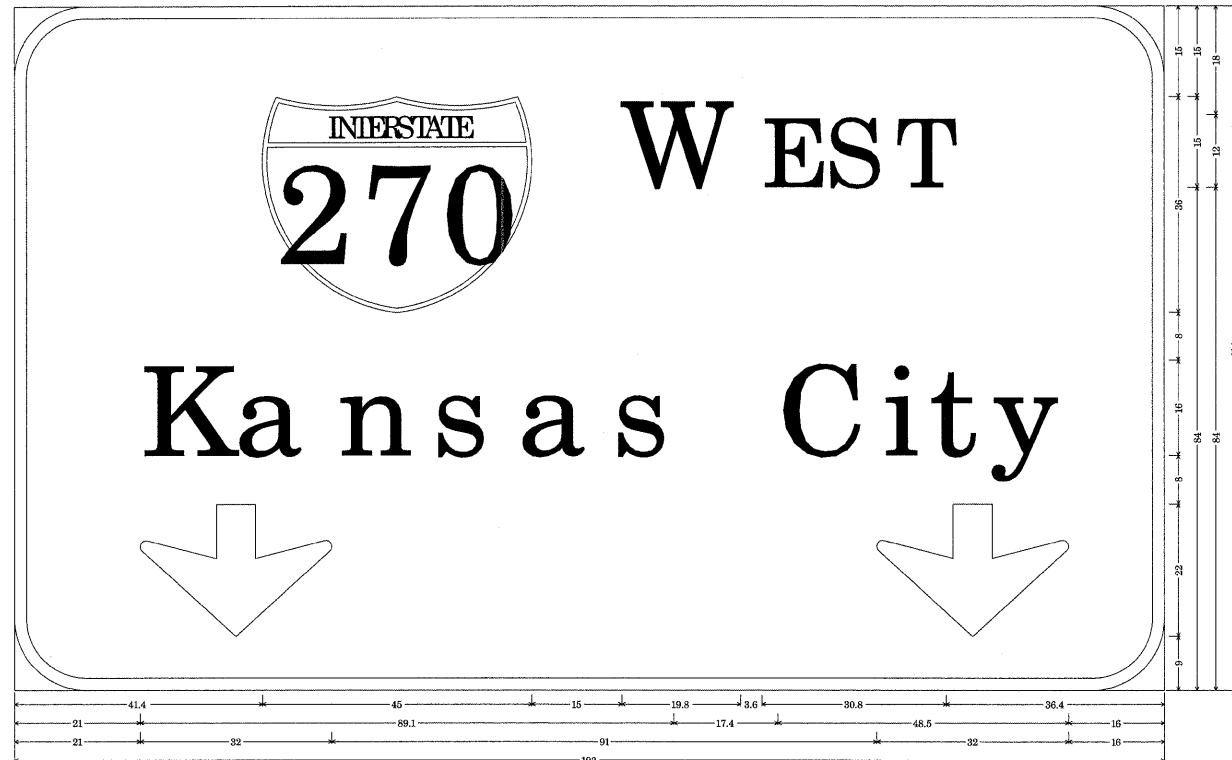


**SIGNING DETAILS
 ILLINOIS ROUTE 3**

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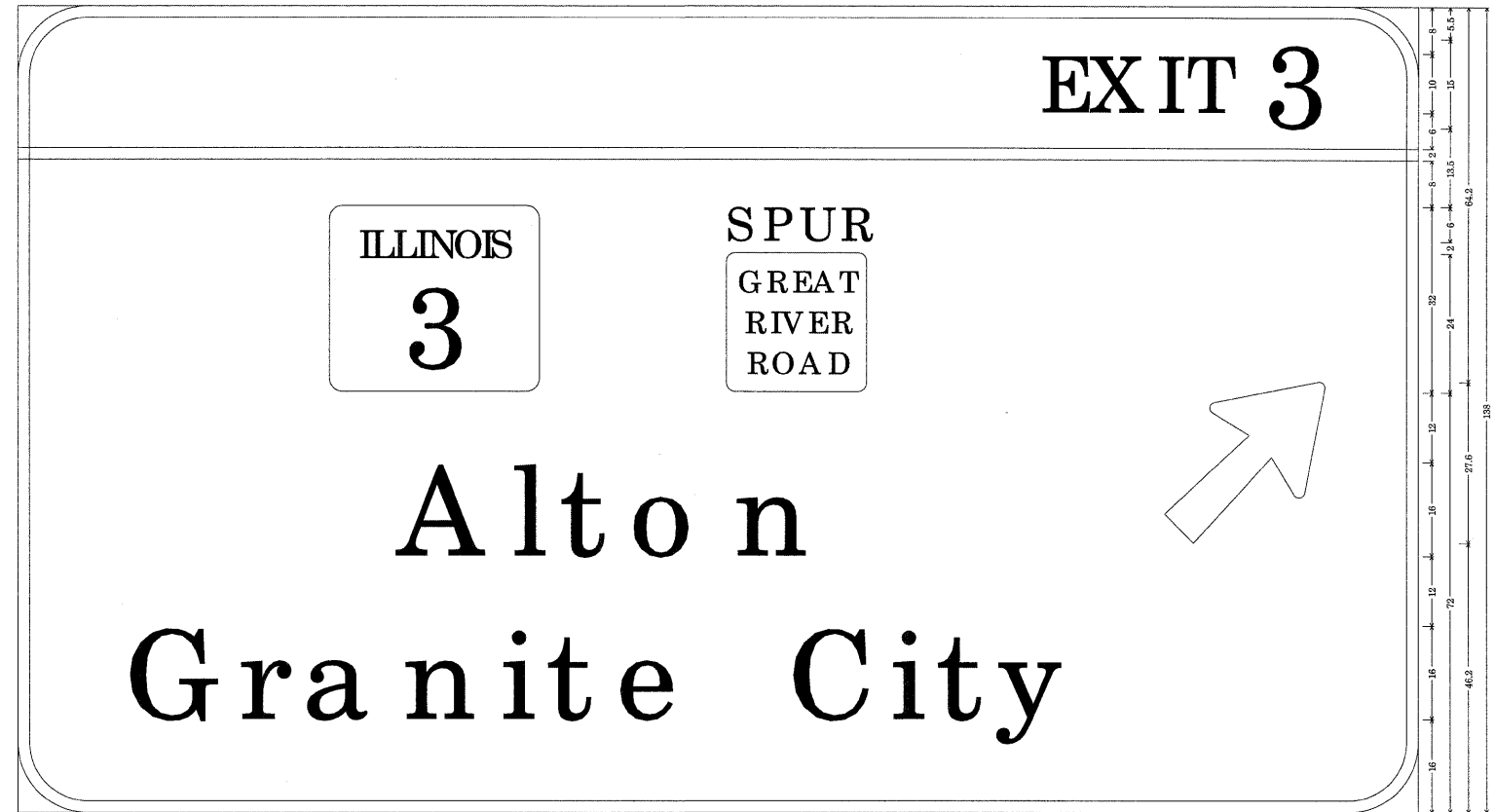
SHEET NO. 6 OF 17 SHEETS STA. 1364+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	89
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



12.0" Radius, 2.0" Border, White on Green;
 [W WEST] ClearviewHwy-5-W; [Kansas City] ClearviewHwy-5-W; Down Arrow 22.0" 270; Down Arrow 22.0" 270;
 Table of widths and spaces.

41.4	45.0	15.0	19.8	3.6	7.6	3.2	8.7	2.6	8.7	36.4
21.0	22.4	3.5	11.9	5.1	11.1	4.8	10.2	4.2	11.9	3.8
21.0	32.0	91.0	32.0	16.0						



12.0" Radius, 2.0" Border, White on Green;
 [EXIT 3] ClearviewHwy-5-W; [SPUR] ClearviewHwy-5-W 90 spacing; [Alton] ClearviewHwy-5-W; [Granite City] ClearviewHwy-5-W; Arrow 160 - 35.0" 45;
 Table of widths and spaces.

175.1	63.4	32.0	4.3	1.9	4.4	1.9	4.6	2.4	4.5	51.1	27.5	16.0
18.3	65	121.4	96	68.7	17.6	48.6	106.3	59.5				
175.1	24.0	94.6										
65.0	15.1	4.6	5.0	3.2	7.9	4.1	12.4	5.4	11.1	106.3		
18.3	18.8	5.7	7.4	3.7	11.9	5.1	11.1	5.7	3.8	4.0	7.9	4.2

I-270 STA 249+50

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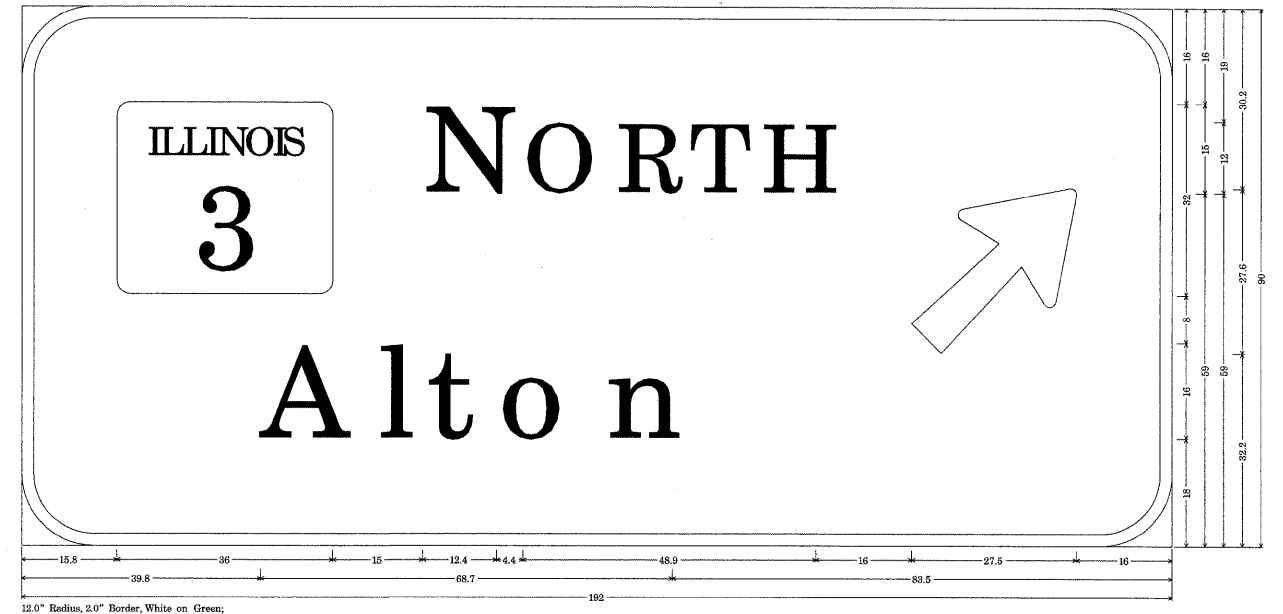
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



SIGNING DETAILS
 SIGN PANELS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	90
CONTRACT NO. T6DB7				
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 7 OF 17 SHEETS STA. TO STA.



12.0" Radius, 2.0" Border, White on Green;
 Arrow 160 - 35.0° 185°; [SPUR] ClearviewHwy-5-W 99 spacing; [SOUTH] ClearviewHwy-5-W; [Granite City] ClearviewHwy-5-W;
 Table of widths and spaces.

18.3	27.5	23.1	36.0	16.0	4.3	1.9	4.4	1.9	4.6	2.4	4.5	15.0	10.9	3.4	11.1	4.3	9.3	3.6	8.7	3.6	9.2	16.0	
120.9	24.0	95.1																					
61.8	13.9	5.7	7.3	3.7	11.9	5.1	11.1	5.7	3.8	4.1	7.8	4.2	11.7	17.7	13.0	4.5	3.8	4.1	7.8	2.8	12.5	16.0	

12.0" Radius, 2.0" Border, White on Green;
 IN ORTH ClearviewHwy-5-W; [Alton] ClearviewHwy-5-W; Arrow 160 - 35.0° 45°;
 Table of widths and spaces.

15.8	36.0	15.0	12.4	4.4	11.1	4.4	9.0	2.9	8.7	3.6	9.2	16.0	27.5	16.0
39.8	15.0	4.5	5.1	3.2	7.8	4.2	12.4	5.4	11.1	8.5				

RAMP P5 STA 31271+50

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



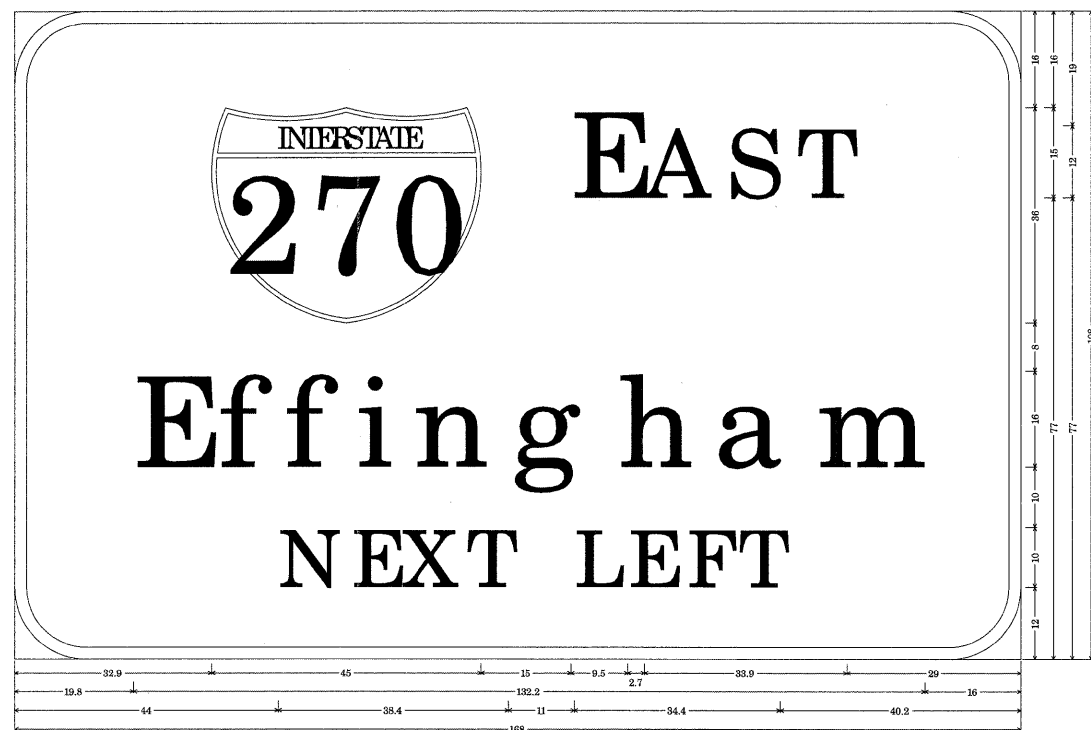
SIGNING DETAILS
 SIGN PANELS

SCALE: NONE

SHEET NO. 8 OF 17 SHEETS STA. TO STA.

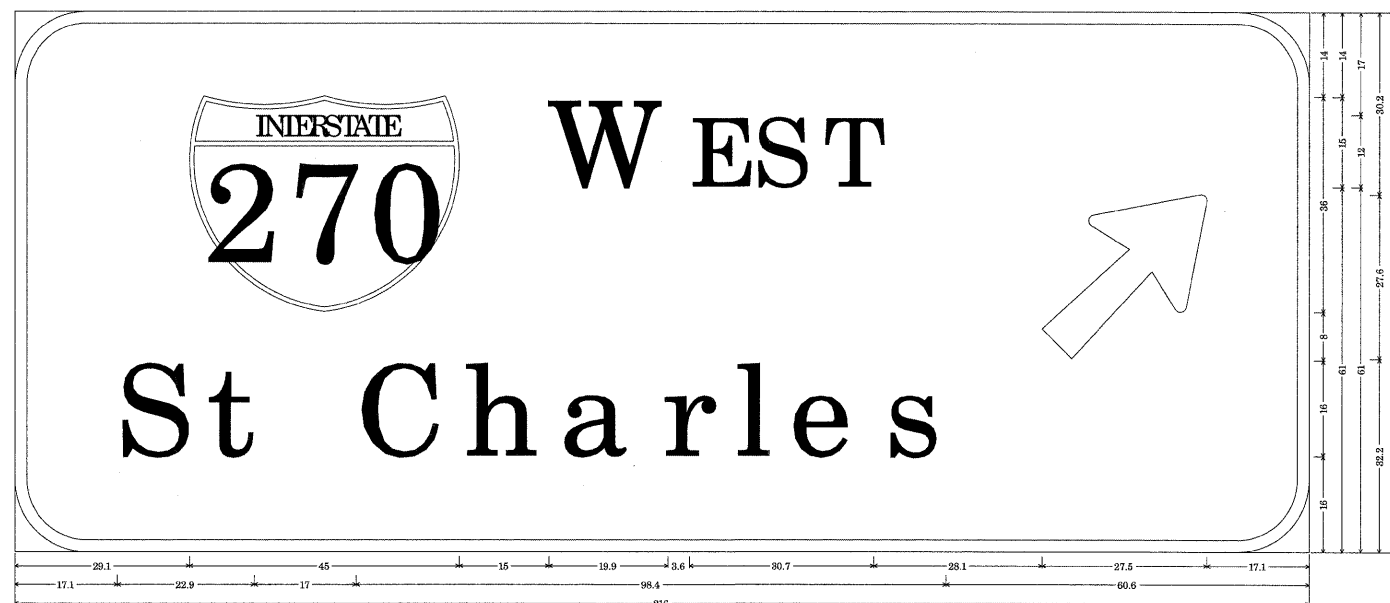
F.A.I. RTE: 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 91
CONTRACT NO. T6D87				

ILLINOIS FED. AID PROJECT



12.0" Radius, 2.0" Border, White on Green;
 [E AST] ClearviewHwy-5-W; [Effingham] ClearviewHwy-5-W; [NEXT LEFT] ClearviewHwy-5-W;
 Table of widths and spaces:

32.9	45.0	15.0	9.5	2.7	11.3	2.6	8.7	2.6	8.7	29.0
E	A	S	T		E	A	S	T		E
19.8	10.2	3.9	7.8	3.3	7.7	4.9	3.5	5.7	11.1	5.4
N	E	X	T		L	E	F	T		
44.0	8.3	4.1	6.3	2.9	8.6	1.8	7.2	11.0	5.9	3.2



12.0" Radius, 2.0" Border, White on Green;
 [W EST] ClearviewHwy-5-W; [St Charles] ClearviewHwy-5-W; Arrow 160 - 35.0" 45[;
 Table of widths and spaces:

29.1	45.0	15.0	9.5	2.7	11.3	2.6	8.7	2.6	8.7	29.0
W	E	S	T							
17.1	11.6	3.4	7.9	17.0	13.0	4.9	11.1	5.0	12.0	5.0

IL 3 STA 1347+50

LAST SAVED = 3/13/2010
 PEN TABLE = V8.tbl
 PLOT DRIVER = TR:Kern6284-To-File.plt

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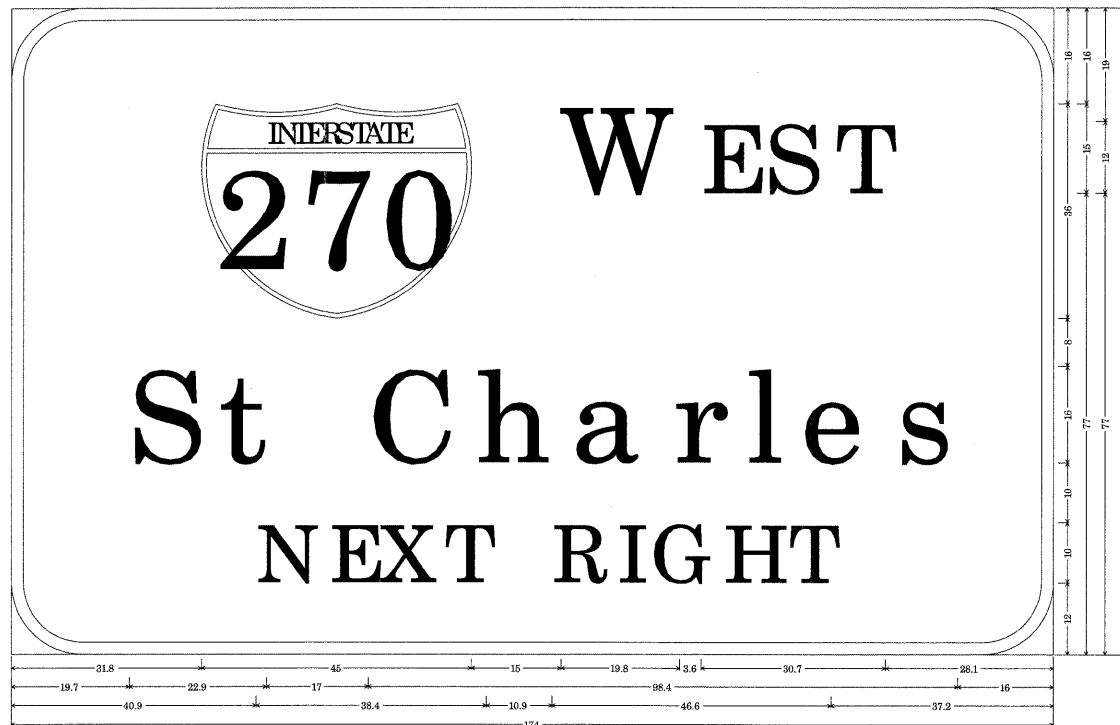
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HORNER &
 SHIFRIN, INC.
 ENGINEERS

SIGNING DETAILS
 SIGN PANELS

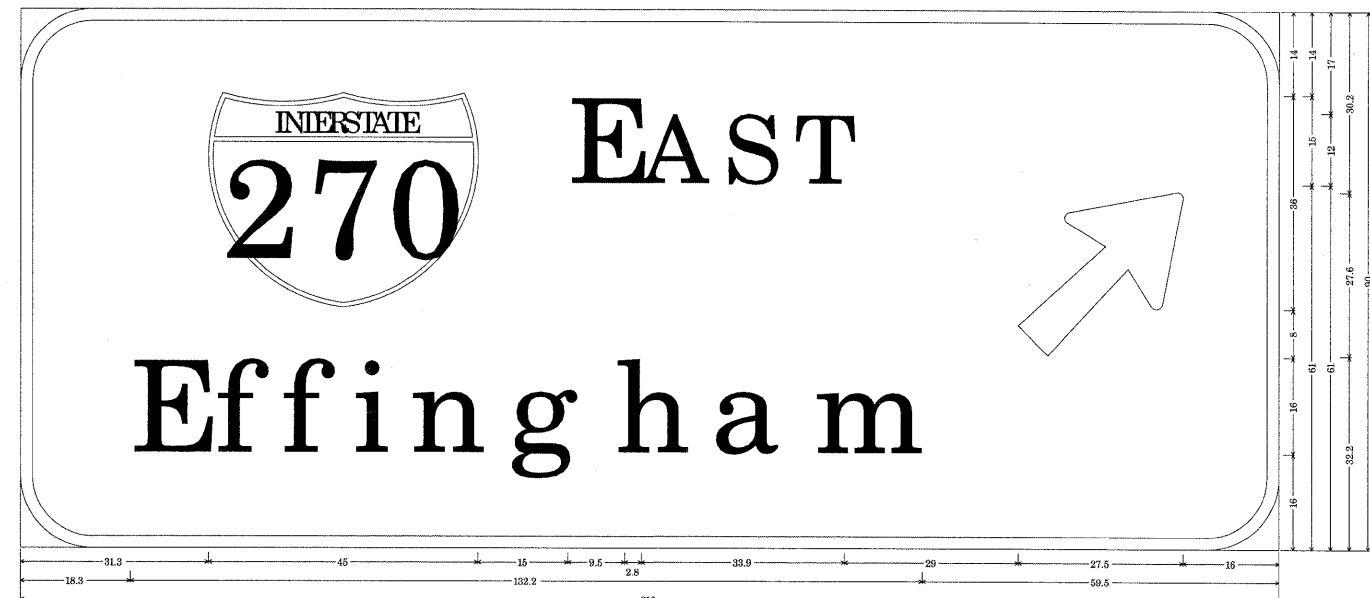
SCALE: NONE SHEET NO. 9 OF 17 SHEETS STA. TO STA.

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 92
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



12.0° Radius, 2.0° Border, White on Green;
 [W WEST] ClearviewHwy-5-W; [St Charles] ClearviewHwy-5-W; [NEXT RIGHT] ClearviewHwy-5-W;
 Table of widths and spaces.

31.8	45.0	14.9	10.9	3.6	7.5	3.1	8.7	2.7	8.6	28.1
19.7	11.6	3.4	7.9	17.0	13.0	4.9	11.1	5.0	12.0	5.0
40.9	8.2	4.0	6.3	2.2	8.7	1.7	7.3	10.9	7.5	3.5



12.0° Radius, 2.0° Border, White on Green;
 [E EAST] ClearviewHwy-5-W; [Effingham] ClearviewHwy-5-W; Arrow 180 - 35.0° 45°;
 Table of widths and spaces.

31.3	45.0	15.0	9.5	2.8	11.3	2.6	8.6	2.7	8.7	29.0	27.5	16.0
18.3	10.1	4.0	7.8	3.3	7.7	4.3	3.8	5.7	11.1	6.4	11.7	6.0
18.3	10.1	4.0	7.8	3.3	7.7	4.3	3.8	5.7	11.1	6.4	11.7	6.0

IL 3 STA 1370+32

LAST SAVED = 3/25/2010
 PEN TABLE = 18.tbl
 PLOT CENTER = 1174x6284-T-Final.plt

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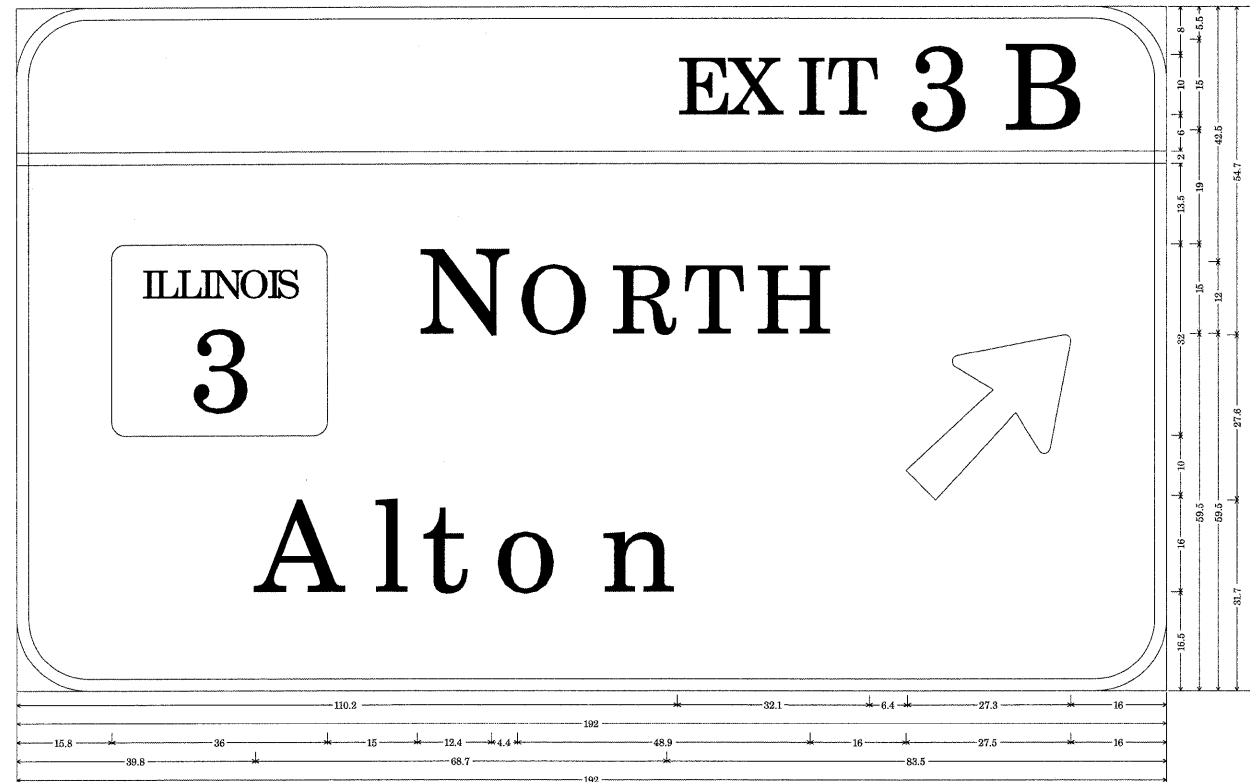
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HORNER &
 SHIFRIN, INC.
 ENGINEERS

SIGNING DETAILS	
SIGN PANELS	
SCALE: NONE	SHEET NO. 10 OF 17 SHEETS STA. TO STA.

F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 93
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

Keep Now

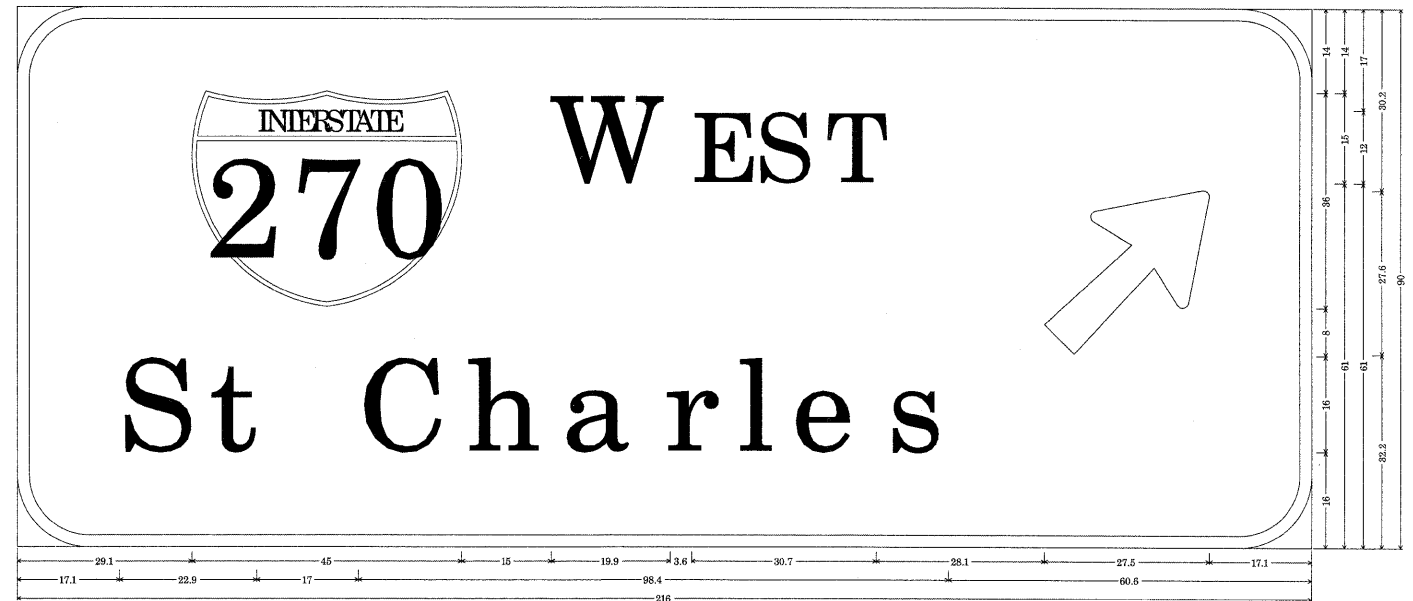


12.0" Radius, 2.0" Border, White on Green;
 [EXIT 3B] ClearviewHwy-5-W; [N ORTH] ClearviewHwy-5-W; [Alton] ClearviewHwy-5-W; Arrow 160 - 35.0° 45°;

Table of widths and spaces.

E	X	I	T	3	B									
6.4	2.2	8.6	2.8	1.9	2.0	7.2	6.4	10.4	5.5	11.4	16.0			
-0.0														
112.0 0.0														
I	N	O	R	T	H									
15.8	36.0	15.0	12.4	4.4	11.1	4.4	9.0	2.9	8.7	3.6	9.2	16.0	27.5	16.0
A	I	L	O	N										
39.8	15.0	4.5	5.1	3.2	7.8	4.2	12.4	3.4	11.1	83.5				

I-270 STA 235+35



12.0" Radius, 2.0" Border, White on Green;
 [W EST] ClearviewHwy-5-W; [St Charles] ClearviewHwy-5-W; Arrow 160 - 35.0° 45°;

Table of widths and spaces.

I	2	7	0	W	E	S	T											
29.1	45.0	15.0	19.9	3.6	7.6	3.1	8.7	2.7	8.6	28.1	27.5	17.1						
S	t	C	h	a	r	l	e	s										
17.1	11.6	3.4	7.9	17.0	13.0	4.9	11.1	5.0	12.0	5.0	7.3	4.7	5.1	4.2	11.7	4.2	10.2	60.6

IL 3 STA 1361+14

LAST SAVED = 3/25/2010
 PEN TABLE = vb.tbl
 PLOT DRIVER = P:\xerox624r-1p-flt\p1

FILE NAME =	USER NAME = ber.jochmann	DESIGNED -	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

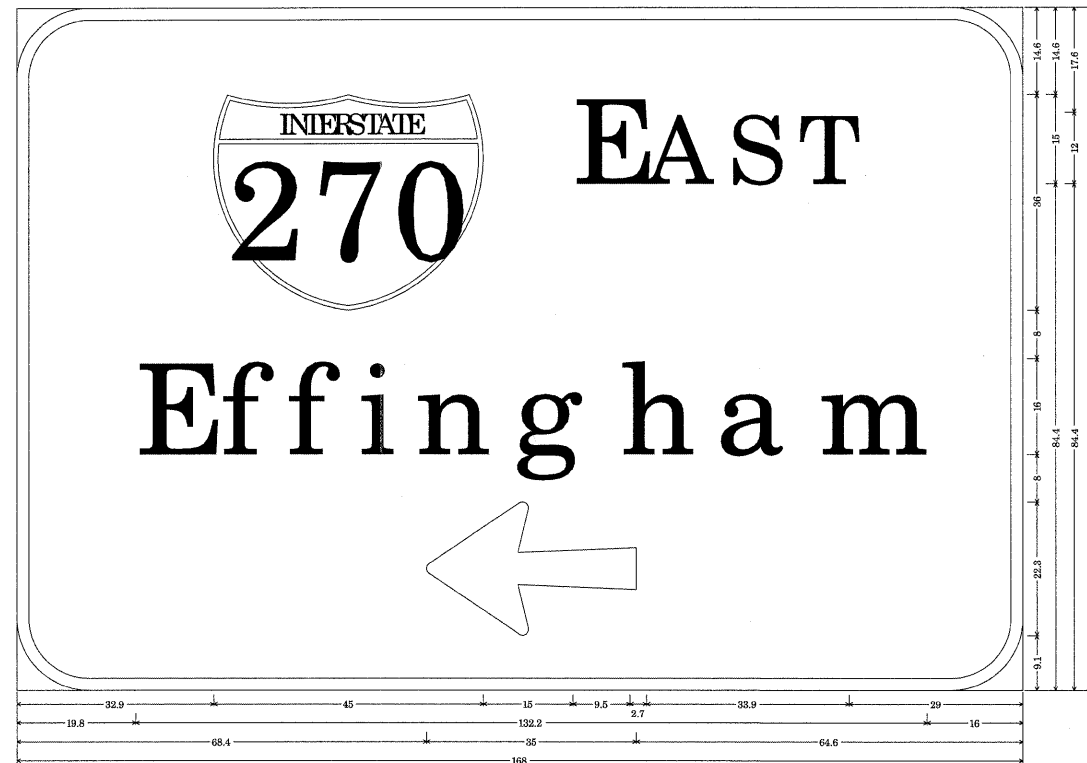


SIGNING DETAILS
 SIGN PANELS

SCALE: NONE SHEET NO. 11 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	94
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

Keep Area

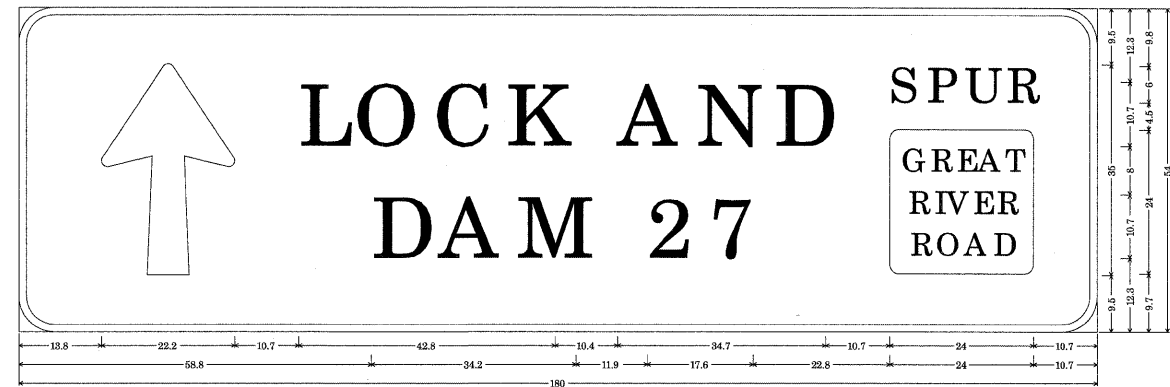


12.0" Radius, 2.0" Border, White on Green;
 [E AST] ClearviewHwy-5-W; [Effingham] ClearviewHwy-5-W; Arrow 160 - 35.0" 90;

Table of widths and spaces.

32.9	45.0	15.0	9.5	2.7	11.3	2.8	8.7	28.0
19.8	32.9	15.0	9.5	2.7	11.3	2.8	8.7	28.0
68.4	132.2	35.0	64.6	168.0				

IL 3 STA 1364+48



6.0" Radius, 1.3" Border, White on Brown;
 Arrow 160 - 35.0" 90; [LOCK AND] ClearviewHwy-5-W; [DAM 27] ClearviewHwy-5-W; [SPUR] ClearviewHwy-5-W 99 spacing;

Table of widths and spaces.

13.8	22.2	10.7	6.2	3.0	9.8	3.5	8.7	3.3	8.3	10.4	10.0	3.1	8.8	4.2	8.6	10.7	4.3	1.9	4.4	1.9	4.6	2.4	4.5	10.7
68.8	8.6	2.7	10.0	3.1	9.8	11.9	7.3	2.8	7.5	22.8	24.0	10.7												

IL 3 STA 1357+21

LAST SAVED = 3/13/2012
 PEN TABLE = VB.tbl
 PLOT DRIVER = TR: Xerox6204-TopFile.plt

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PLOT DATE = 3/16/2012 4:43:09 PM		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



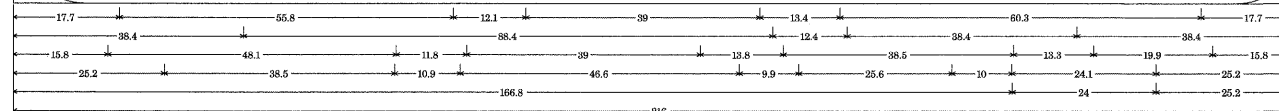
SIGNING DETAILS
 SIGN PANELS

SCALE: NONE SHEET NO. 12 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	95
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				

LEWIS AND CLARK HISTORIC SITE LOCK AND DAM 27

SPUR
GREAT
RIVER
ROAD



12.0" Radius, 2.0" Border, White on Brown;
(LEWIS AND CLARK) ClearviewHwy-5-W; (HISTORIC SITE) ClearviewHwy-5-W; (LOCK AND DAM 27) ClearviewHwy-5-W; (NEXT RIGHT VIA) ClearviewHwy-5-W; (SPUR) ClearviewHwy-5-W 99' spacing;
Table of widths and spaces.

L	E	W	I	S	A	N	D	C	L	A	R	K																				
17.7	7.0	3.9	7.6	2.9	15.8	3.6	2.3	4.0	8.7	12.1	11.2	2.3	9.9	4.7	9.7	13.4	9.8	3.3	6.9	2.6	11.2	3.5	9.0	4.2	9.3	17.7						
H	I	S	T	O	R	I	C	S	I	T	E																					
38.4	9.3	4.7	2.3	3.9	8.7	2.7	8.6	3.2	11.1	4.3	9.0	4.2	2.3	4.3	9.8	12.4	8.7	3.8	2.3	3.6	8.7	3.7	7.6	38.4								
L	O	C	K	A	N	D	A	M	2	7																						
16.8	7.0	3.3	11.1	3.9	9.7	3.8	9.3	11.8	11.2	3.5	9.9	4.7	9.7	13.8	9.7	3.0	11.3	3.4	11.1	13.3	8.3	3.1	8.5	16.8								
N	E	X	T	R	I	G	H	T	V	I	A	S	P	U	R																	
25.2	8.3	4.0	6.8	2.3	8.7	1.7	7.3	10.9	7.5	3.5	1.9	3.5	8.7	3.6	7.7	2.9	7.2	9.9	8.5	2.9	1.9	2.9	9.4	10.0	4.4	1.9	4.3	1.9	4.7	2.3	4.6	25.2
166.8	24.0	25.2																														

LAST SAVED = 3/13/2010
 PEN TABLE = VB.tbl
 PLOT DRIVER = TR-Xerox6284-Te-File.plt

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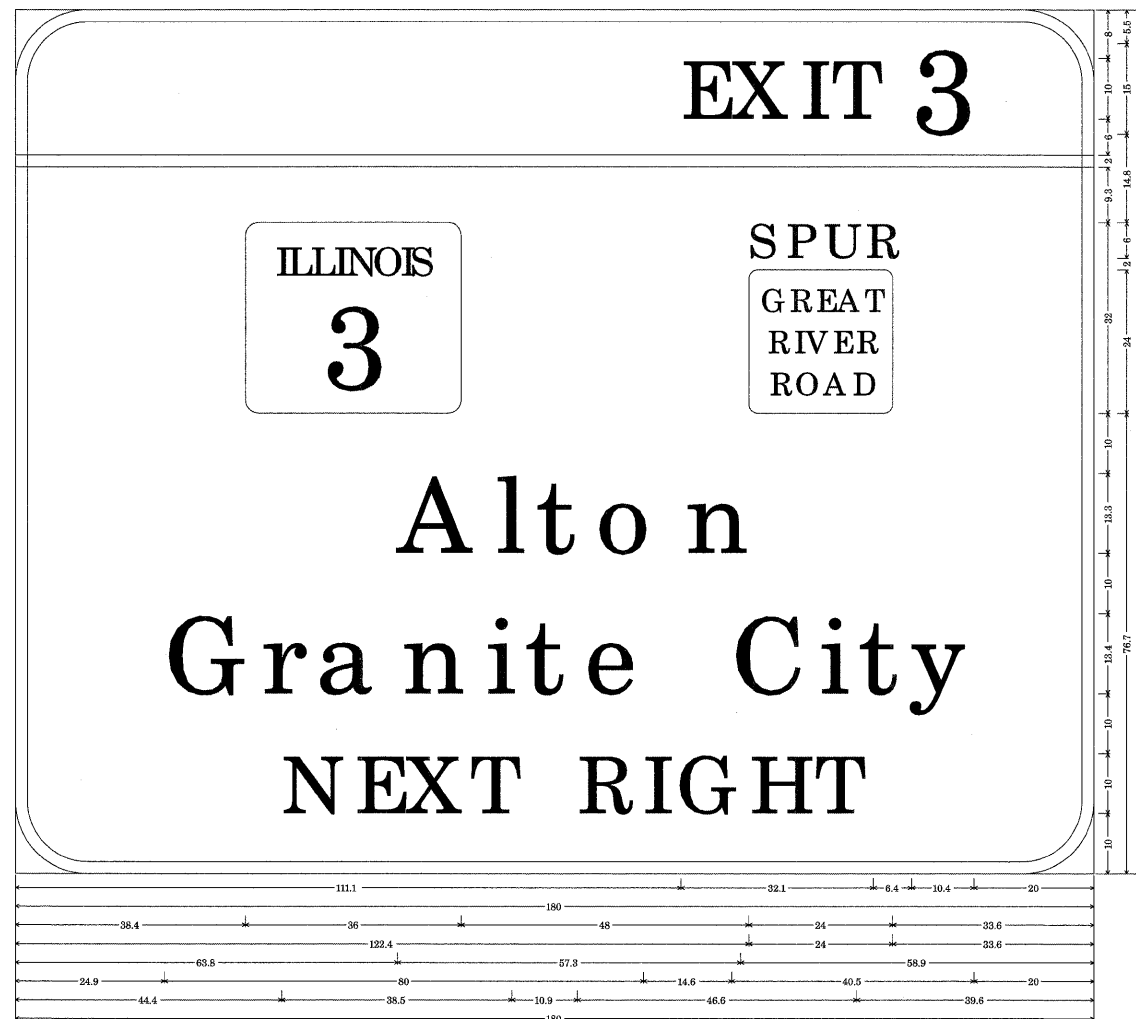
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SIGNING DETAILS
SIGN PANELS

SCALE: NONE SHEET NO. 13 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	96
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



12.0" Radius, 2.0" Border, White on Green;
 [EXIT 3] ClearviewHwy-5-W; [SPUR] ClearviewHwy-5-W 99' spacing; [Alton] ClearviewHwy-5-W; [Granite City] ClearviewHwy-5-W; [NEXT RIGHT] ClearviewHwy-5-W;
 Table of widths and spaces.

E	X	I	L	L	I	N	O	I	S	3	20.0												
111.1	6.3	2.2	8.7	2.8	1.9	2.0	7.2	6.4	10.4	20.0													
-0.0	180.0	0.0																					
S	P	U	R																				
38.4	36.0	48.0	4.3	2.0	4.3	1.9	4.7	2.3	4.5	33.6													
122.4	24.0	38.6																					
A	L	T	E	R																			
63.8	12.5	3.8	4.2	2.6	6.6	3.4	10.4	4.5	9.3	58.9													
G	R	A	N	E																			
24.9	11.5	4.7	6.1	3.1	10.0	4.2	9.2	4.8	3.2	3.3	6.6	3.5	9.8	14.6	10.9	8.8	3.1	3.4	6.6	2.3	10.4	20.0	
N	E	X	T	R	I	G	H	T															
44.4	8.3	4.0	6.3	2.2	8.7	1.7	7.3	10.9	7.5	3.5	1.9	3.6	8.7	3.6	7.7	2.9	7.2	39.6					

LAST SAVED = 3/13/2010
 PEN TABLE = V6.tbl
 PLOT DRIVER = TR-Xerox6284-TopFile.plt

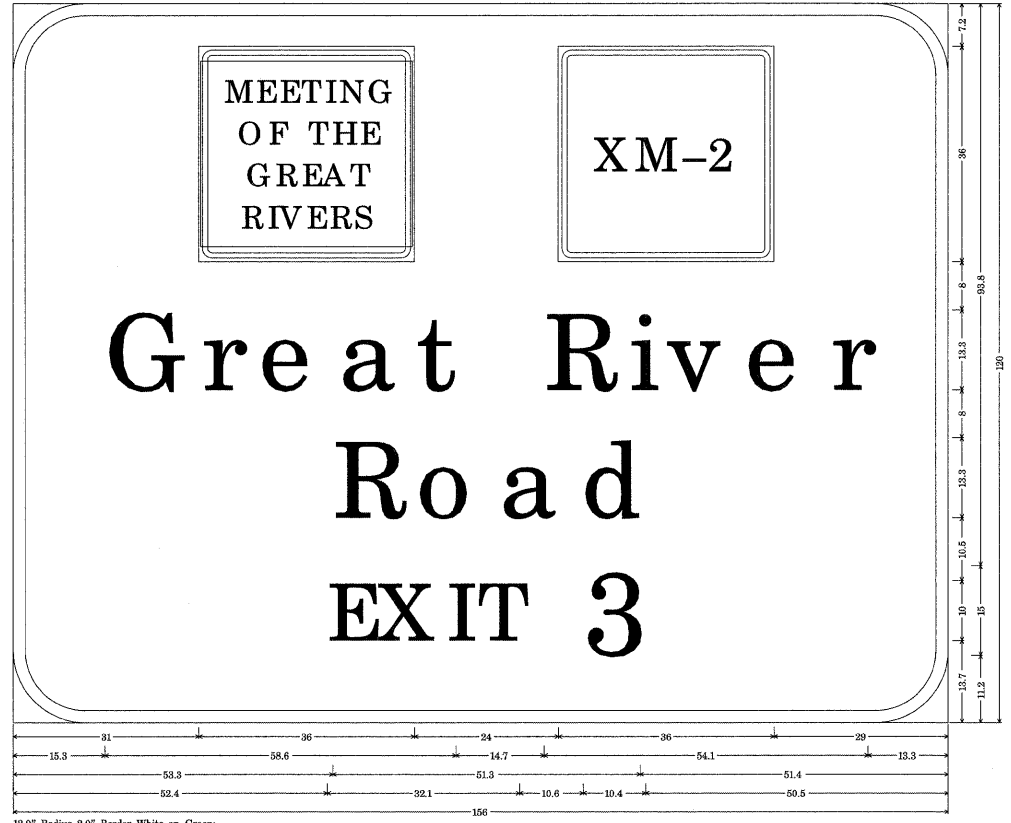
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PLOT DATE = 3/16/2010 4:43:11 PM		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SCALE: NONE		SHEET NO. 14 OF 17 SHEETS		STA.	TO STA.
		SIGNING DETAILS SIGN PANELS			

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	97
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



12.0" Radius, 2.0" Border, White on Green;
 (Great River) ClearviewHwy-5-W; (Road) ClearviewHwy-5-W; (EXIT 3) ClearviewHwy-5-W;
 Table of widths and spaces:

31.0	36.0	24.0	36.0	29.0																
G	11.5	4.8	6.1	3.3	9.8	3.7	10.0	2.8	6.6	14.7	10.0	4.2	3.2	3.1	10.1	3.1	9.7	4.6	6.1	13.3
R	10.0	4.0	10.4	3.6	10.0	3.7	9.6	51.4												
E	X	J	T	3																
52.4	6.3	2.2	8.7	2.8	1.9	3.0	7.2	10.8	10.4	58.5										

LAST SAVED = 3/13/2010
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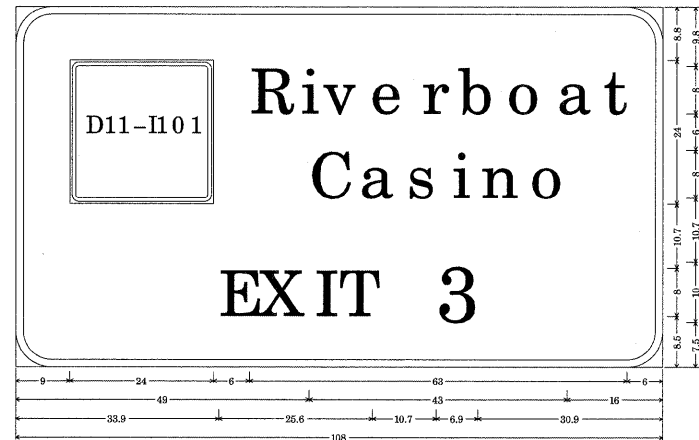
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PLOT DATE = 3/16/2010 4:43:11 PM	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SIGNING DETAILS	
SIGN PANELS	
SCALE: NONE	SHEET NO. 15 OF 17 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	98
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



6.0" Radius, 1.5" Border, Black on Brown;
 [Riverboat] White ClearviewHwy-5-W; [Casino] White ClearviewHwy-5-W; [EXIT 3] White ClearviewHwy-5-W;
 Table of widths and spaces.

Character	W	X	I	T	S	Space
R	24.0	6.0	2.5	1.9	6.1	1.8
C	49.0	6.5	1.9	6.0	1.9	2.4
E	33.9	6.0	1.8	5.9	2.2	1.6

LAST SAVED = 3/13/2010
 PEN TABLE = V8.tbl
 PLOT DRIVER = TR-Xerox6204-Te-File.plt

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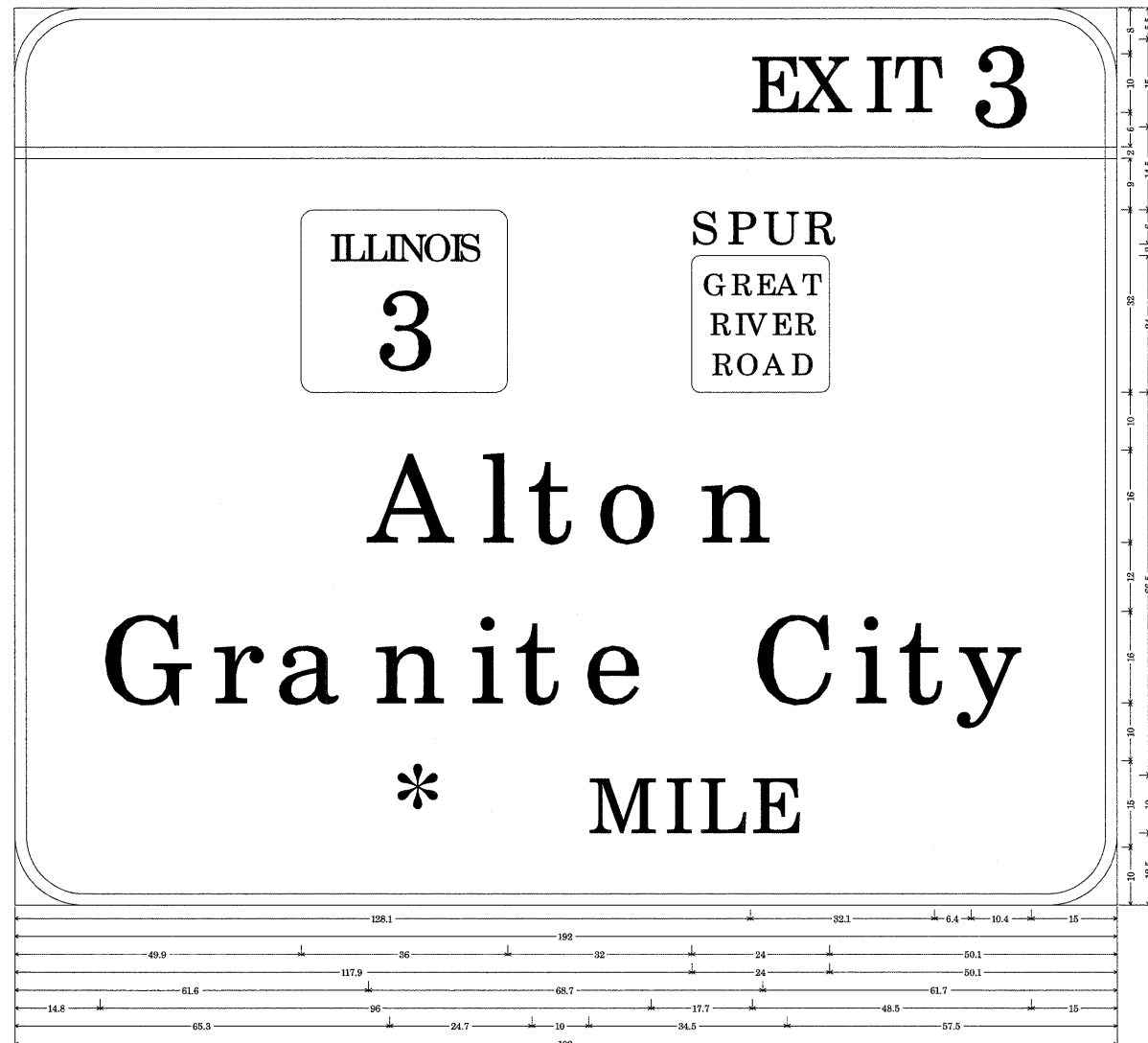
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SIGNING DETAILS
 SIGN PANELS

SCALE: NONE SHEET NO. 16 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	99
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				



12.0" Radius, 2.0" Border, White on Green;
 [EXIT 3] ClearviewHwy-5-W; [SPUR] ClearviewHwy-5-W 99) spacing; [Alton] ClearviewHwy-5-W; [Granite City] ClearviewHwy-5-W; [* MILE] ClearviewHwy-5-W;
 Table of widths and spaces.

128.1	6.3	2.2	8.7	2.8	1.9	3.0	7.2	6.4	10.4	15.0
-0.0	192.0	0.0								
49.9	38.0	32.0	4.3	1.9	4.4	1.9	4.6	2.4	4.5	50.1
117.9	24.0	50.1								
61.6	15.0	4.5	5.1	3.1	7.9	4.1	12.4	5.4	11.2	61.7
14.8	13.9	5.7	7.3	3.7	11.9	5.1	11.1	5.7	2.8	4.1
65.3	24.7	10.0	9.2	3.9	2.0	4.0	5.9	3.2	6.3	57.5

LAST SAVED = 3/13/2010
 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

HORNER & SHIFRIN, INC.
ENGINEERS

SIGNING DETAILS
 SIGN PANELS

SCALE: NONE SHEET NO. 17 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-2RS-3	MADISON	231	100
CONTRACT NO. 76D87				
ILLINOIS FED. AID PROJECT				