

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-0301	Cook	78	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

INDEX OF SHEETS

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GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE (or TOLLWAY) PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT (or ISTHA).
- THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER LINEAL FOOT FOR "STEEL PLATE BEAM GUARDRAIL REMOVAL".
- WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4151 AND ISTHA DAILY TRAFFIC CONTROL AUTHORIZATION AT (630) 241-6800 ext. 3822 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE ENGINEER SHALL CONTACT MR. WALLY CZARNY, TRAFFIC FIELD ENGINEER, AT (773) 685-4342 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- CONCRETE SUPERSTRUCTURE (or CONCRETE WEARING SURFACE) SHALL HAVE A SEVEN DAY MINIMUM CURE.

STATE STANDARDS

STANDARD NO.	DESCRIPTION
630001-07	STEEL PLATE BEAM GUARDRAIL
631031-06	TRAFFIC BARRIER TERMINAL TYPE 6A
637006	CONCRETE BARRIER DOUBLE FACE, 42" HEIGHT
701101-01	OFFROAD OPERATIONS, MULTILANE, 15' TO 24' FROM EDGE OF PAVEMENT
701301-02	LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-03	LANE CLOSURE, FREEWAY/EXPRESSWAY
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION
701446	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701601-04	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W, WITH NONTRAVERSABLE MEDIAN
701606-04	LANE CLOSURE, MULTILANE, 1W OR 2W, WITH MOUNTABLE MEDIAN
701801-03	LANE CLOSURE, MULTILANE, 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE
702001-00	TRAFFIC CONTROL DEVICES

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**INDEX OF SHEETS, STATE STANDARDS
SUMMARY OF QUANTITIES AND
GENERAL NOTES**

SCALE: VERT.
DATE HORIZ.

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CHECKED BY

Rev. 6-1-07

Rev.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	78	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			I000		
CODE NO	ITEM	UNIT		LOC. 1 I-90 016-0977 SFTY-2A	LOC. 2 ILL. 58 016-0980 SFTY-2A	LOC. 3 WOODFIELD 016-0978 SFTY-2A			
28100105	STONE RIPRAP, CLASS A3	SQ YD	24		24				
44000415	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	14,645	9733	5609	1303			
X0325774	RELOCATE TEMPORARY IMPACT ATTENUATOR	EACH	6	3	3				
50102400	CONCRETE REMOVAL	CU YD	148	85	63				
50157300	PROTECTIVE SHIELD	SQ YD	9,875	5,600	3,510	765			
50300100	FLOOR DRAINS	EACH	20		20				
50300255	CONCRETE SUPERSTRUCTURE	CU YD	218	119	90	9			
50300530	FLOOR DRAIN EXTENSION	EACH	8		8				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	47,020	25,690	19,530	1800			
59000200	EPOXY CRACK INJECTION	FOOT	352	211	137	4			
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	726	726					
* 63000015	STEEL PLATE BEAM GUARD RAIL, TYPE D	FOOT	623				623		
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	12				12		
63200725	STEEL PLATE BEAM GUARD RAIL REMOVAL, TYPE D	FOOT	2453	1070	683		1200		
63304805	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 6	EACH	12	6	6				
64200105	SHOULDER RUMBLE STRIP	FOOT	10600	4232	4108	2260			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	5	4	2	1		
67100100	MOBILIZATION	L SUM	1	0.5	0.3	0.2			
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		0.5	0.5			
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	11	5	4	2			
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	87392	43696	26218	17478			
70300530	PAVEMENT MARKING TAPE, TYPE III 5"	FOOT	62900	31450	18870	12580			
70300550	PAVEMENT MARKING TAPE, TYPE III 8"	FOOT	11210	5605	3363	2242			
70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	510	255	193				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	63079	31540	18924	12615			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3737	2127	1610				
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	4450	2840	1610				
* 72100100	SIGN PANEL OVERLAY	SQ FT	640	320	320				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14,500				14,500		
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	6439	3213	2696	530			
78003120	PREFORMED PLASTIC PAVEMENT MARKING, LINE 5" TYPE B	FOOT	16,100				16,100		
* 78008220	POLYUREA PAVEMENT MARKING TYPE I - LINE 5"	FOOT	1588	714	674	200			
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	172	80	68	24			
78300100	PAVEMENT MARKING REMOVAL	SQ FT	6710				6710		
X0320887	POLYMER CONCRETE	CU FT	45		45				
X0321743	SILICONE JOINT SEALER, 1"	FOOT	1170	714	456				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIXTURE D, N70	TON	1552	7	6	2	1537		
40603600	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIXTURE D, N70	TON	71				71		
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	249	115	98	36			
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	18,461				18,461		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	623				623		

SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			I000		
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X0322467	TEMPORARY INFORMATION SIGNING FOR LANE CLOSURE	SQ FT	96		48	48			
X0322489	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	14,645	9733	5609	1303			
X0322933	SILICONE JOINT SEALER, 2.5"	FOOT	239		239				
X0323076	SILICONE JOINT SEALER, 1 3/4"	FOOT	315		239	76			
X0323077	SILICONE JOINT SEALER, 2 3/4"	FOOT	590	516		74			
X0325261	SHOULDER RUMBLE STRIP REMOVAL	SQ YD	2,356	941	913	502			
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	980	597	290	93			
X6370940	CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT	FOOT	1753	1070	683				
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	0.5	0.3	0.2			
X7012625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	EACH	1			1			
X7012630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	EACH	1		1				
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	204	102	60	42			
Z0006202	BRIDGE DECK HYDRO-SCARIFICATION 3/4"	SQ YD	14,645	9733	5609	1303			
Z0015595	DECK DRAIN EXTENSIONS	EACH	86		60	26			
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	45	30	10	5			
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	441	255	91	95			
Z0065700	SLOPE WALL REPAIR	SQ YD	99		56	43			
X0325042	MODIFY EXISTING CONNECTION TO SIGN STRUCTURE	EACH	8		8				
Z0010605	CLEAN DRAINAGE SYSTEM	L SUM	1	1					
X0322469	PLUG EXISTING FLOOR DRAINS	EACH	12			12			
X7240605	REMOVE AND RE-ERECT BRIDGE MOUNTED SIGN	EACH	1		1				

*SPECIALTY ITEMS

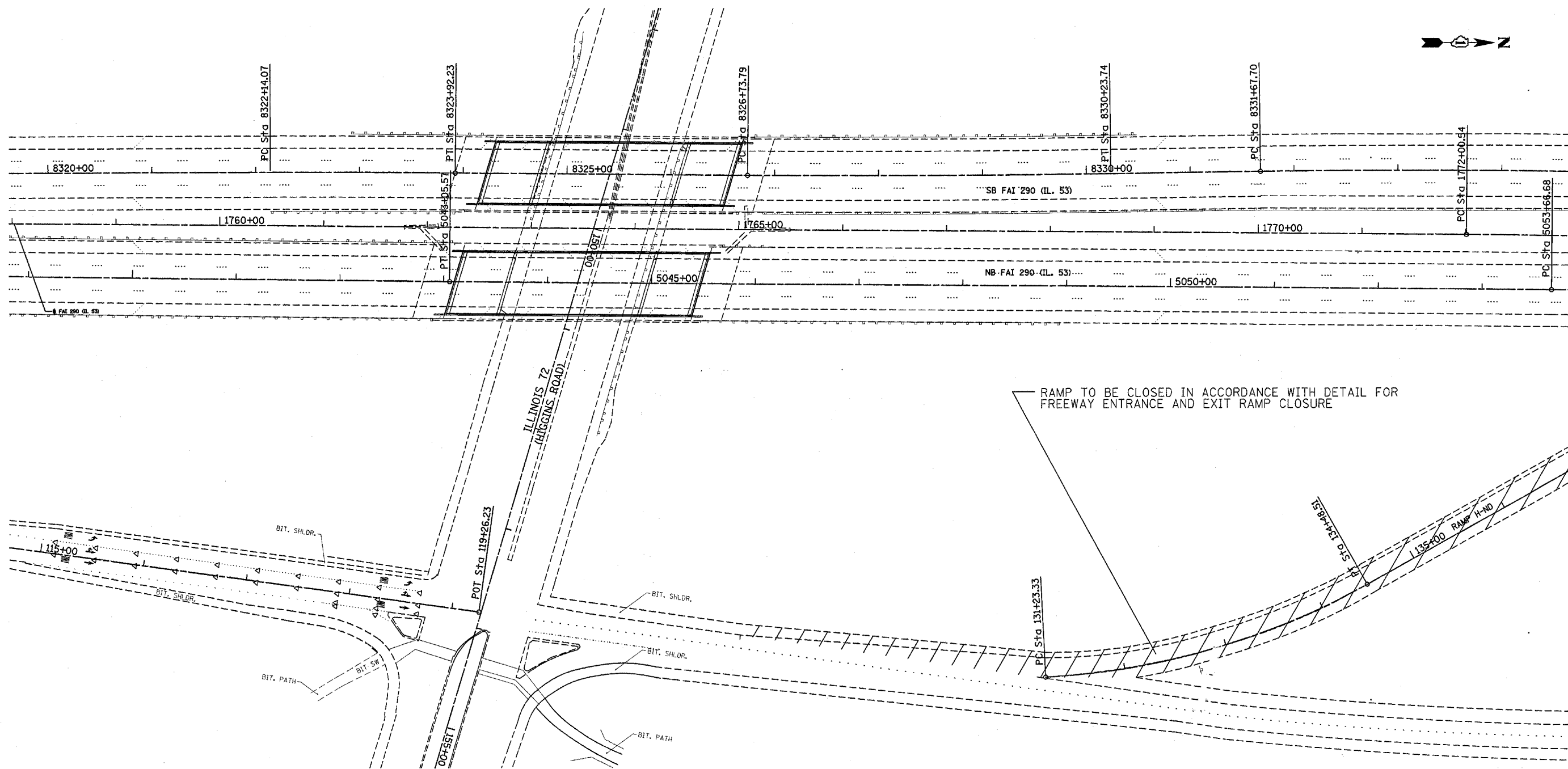
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

Rev. 6-6-07

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE: FOR STAGING TYPICAL SECTIONS SEE SHEETS 40, 52 AND 64



RAMP TO BE CLOSED IN ACCORDANCE WITH DETAIL FOR FREEWAY ENTRANCE AND EXIT RAMP CLOSURE

NOTE:
TRAFFIC CONTROL STAGING SHALL REQUIRE ADDITIONAL SIGNING. THESE ADDITIONAL SIGNING PLAN SHEETS SHALL BE PROVIDED AT THE PRECONSTRUCTION MEETING.

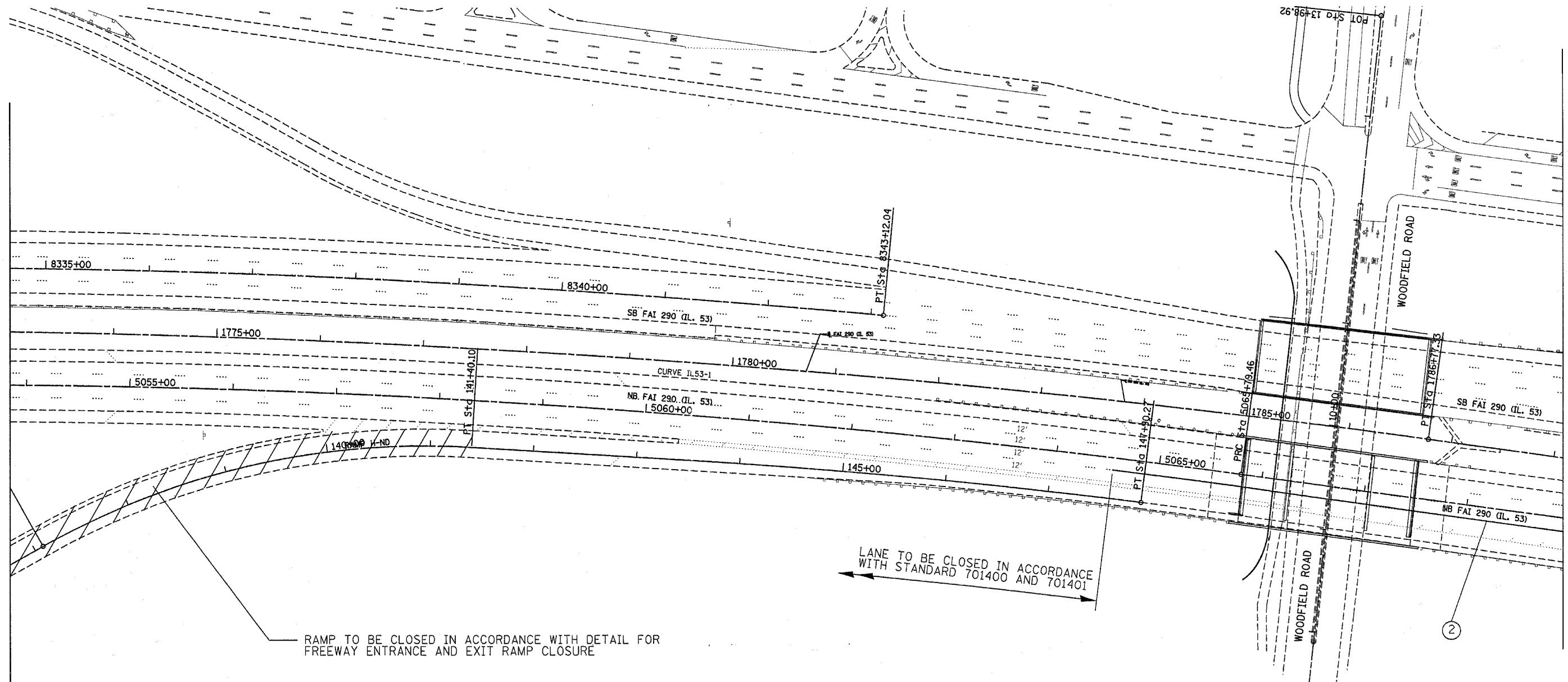
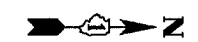
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NAME	DATE
Δ - Revised Sheet	5/2/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
Stage 1

SCALE: VERT. _____
HORIZ. _____
DATE _____
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Δ Rev. 6-7-07

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

PLOT DATE = 5/30/2007
 PLOT SCALE = 5/16000" = 1" = 100'
 USER NAME = ritchie

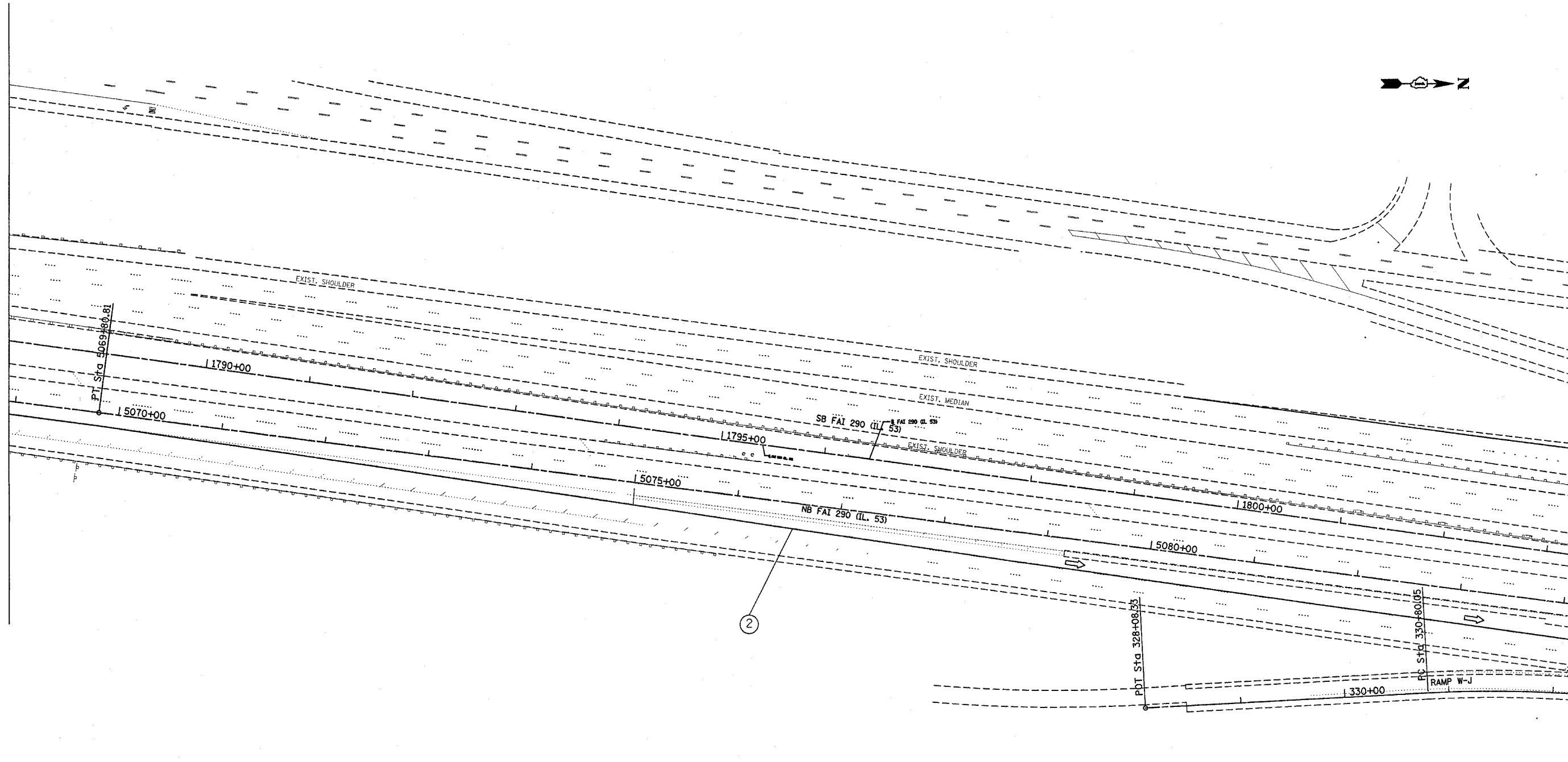
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NAME	DATE
Δ- Revised sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1

SCALE: VERT. _____
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 DATE _____

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 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

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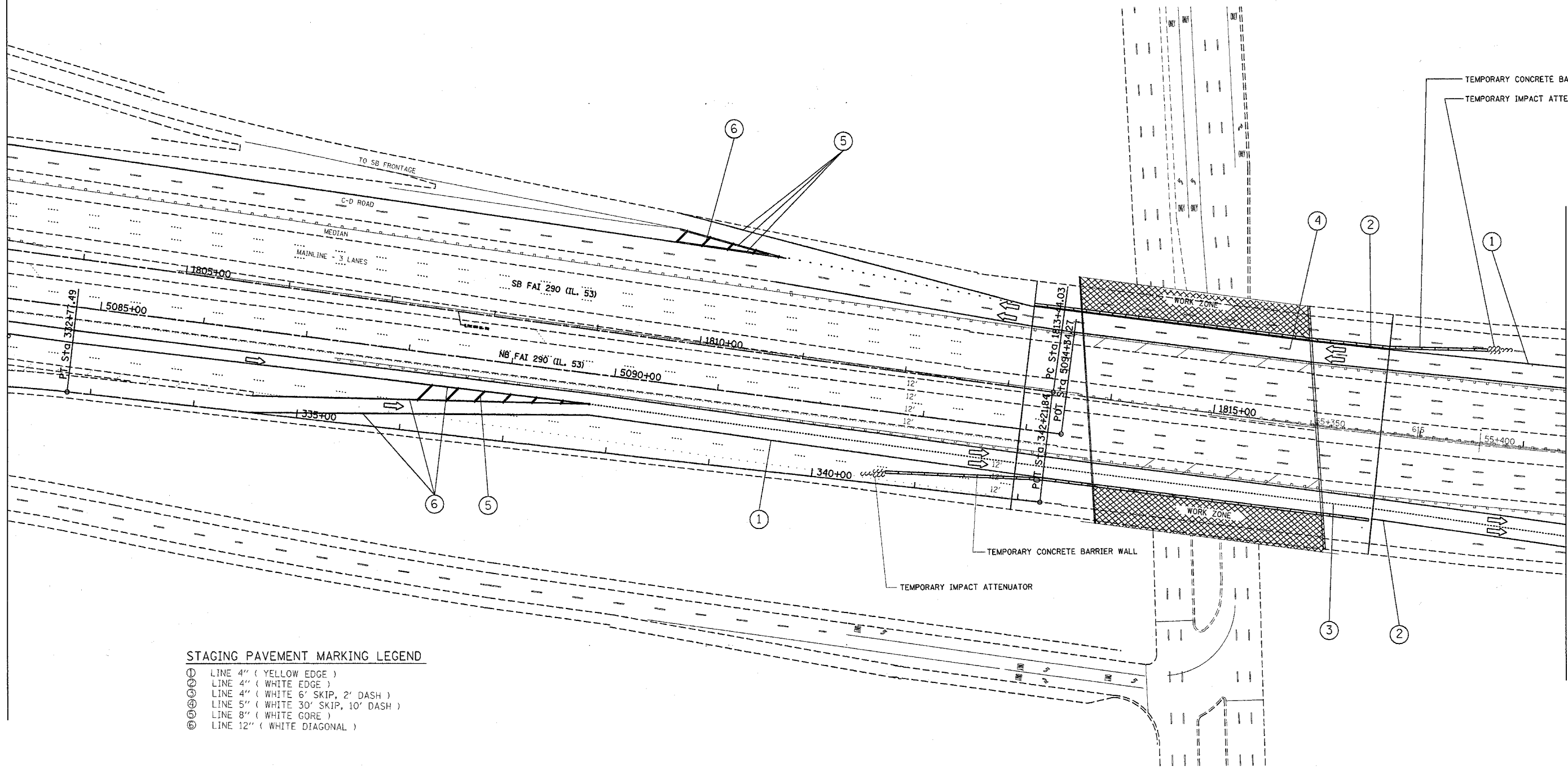
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NAME	DATE
A Revised sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1

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 CHECKED BY _____

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

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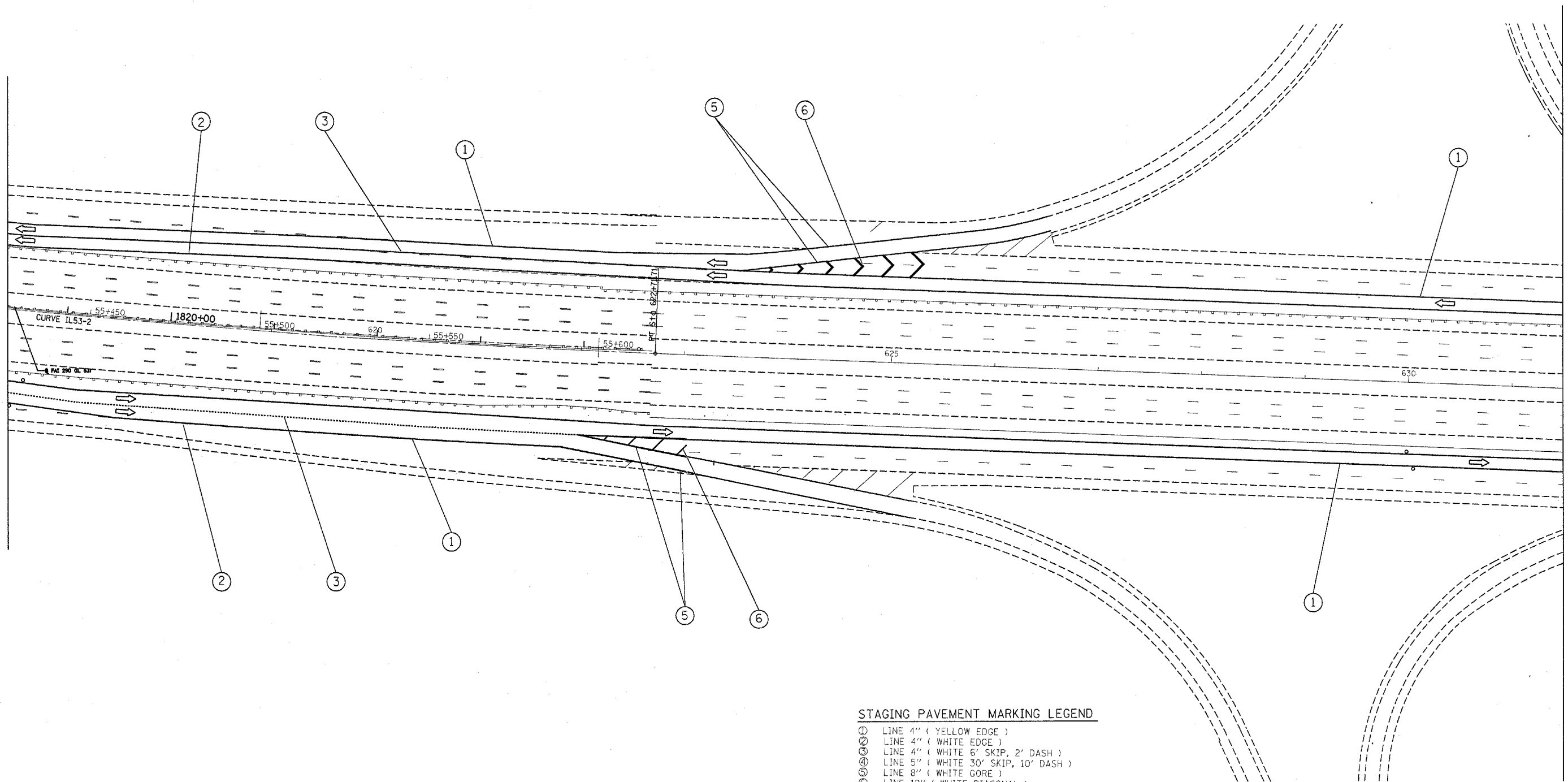
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NAME	DATE
Δ Revised Sheet	9/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
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 CHECKED BY _____

PLOT DATE = 5/20/2007
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

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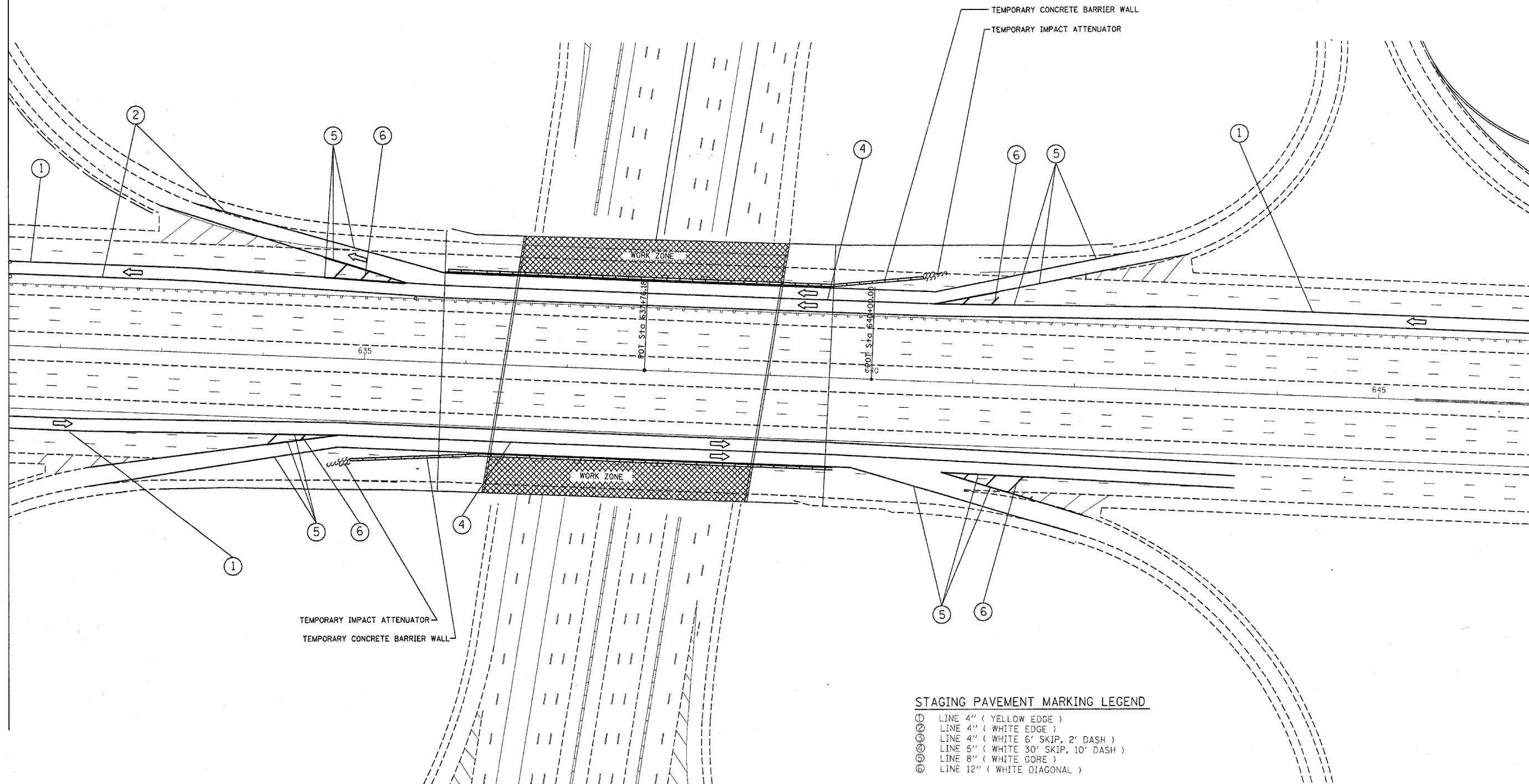
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NAME	DATE
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ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1

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 CHECKED BY _____

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

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- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

TEMPORARY IMPACT ATTENUATOR
TEMPORARY CONCRETE BARRIER WALL

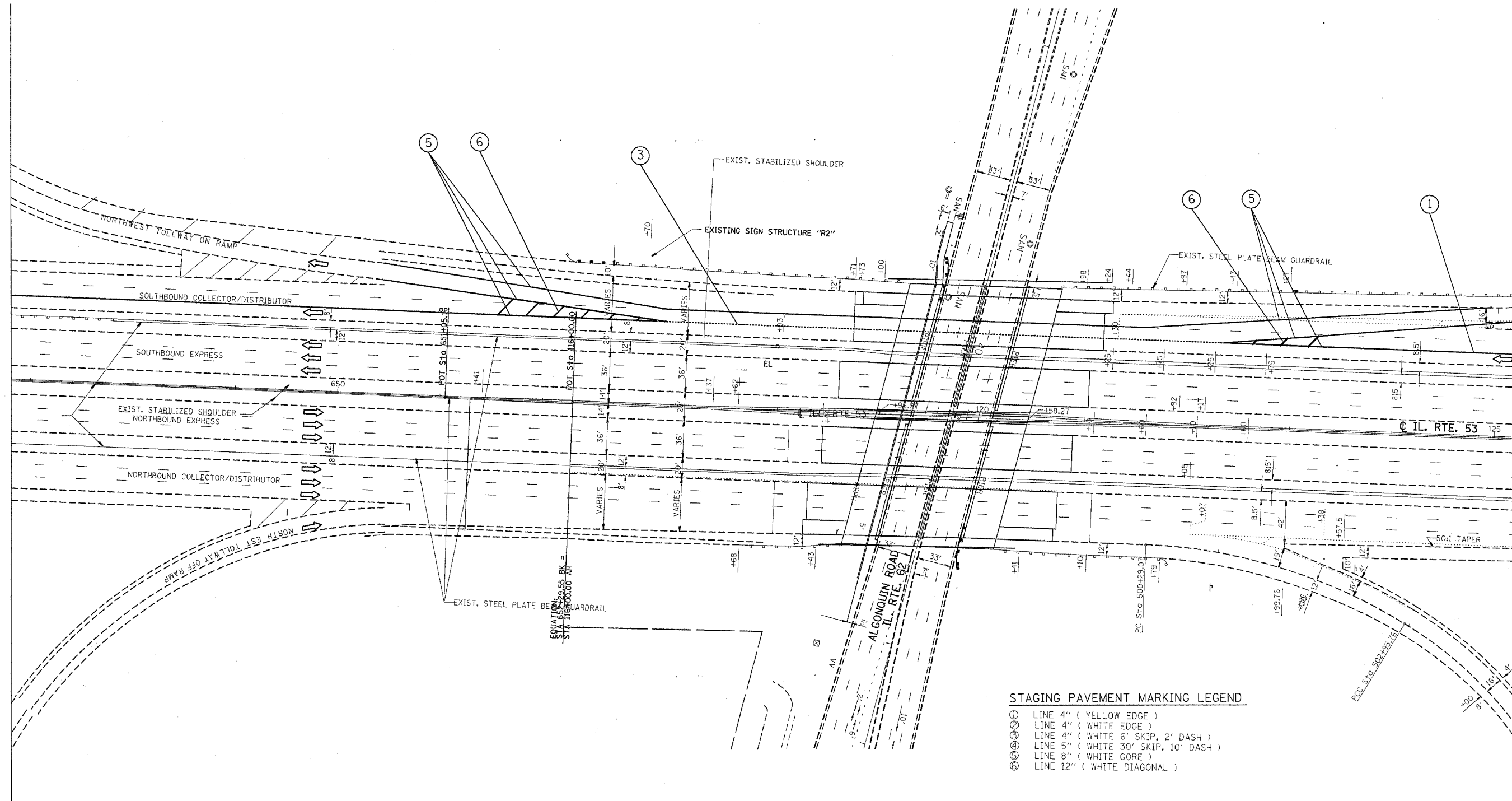
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NAME	DATE
Δ REVISED SHEET	6/20/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
Stage 1

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HORIZ. _____
DATE _____
DRAWN BY _____
CHECKED BY _____

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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- ⑥ LINE 12" (WHITE DIAGONAL)

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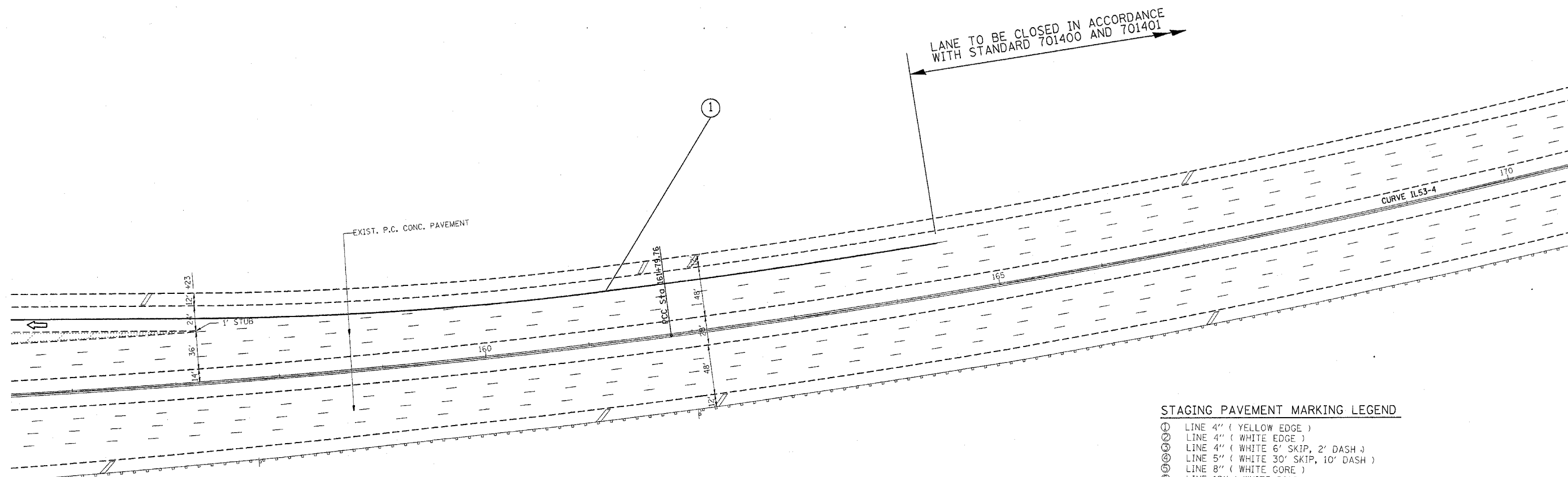
REVISIONS	
NAME	DATE
REVISION SHEET	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	11
STA.		TO STA.		
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PLOT DATE = 5/30/2007
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REVISIONS	
NAME	DATE
Revised Sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL STAGING

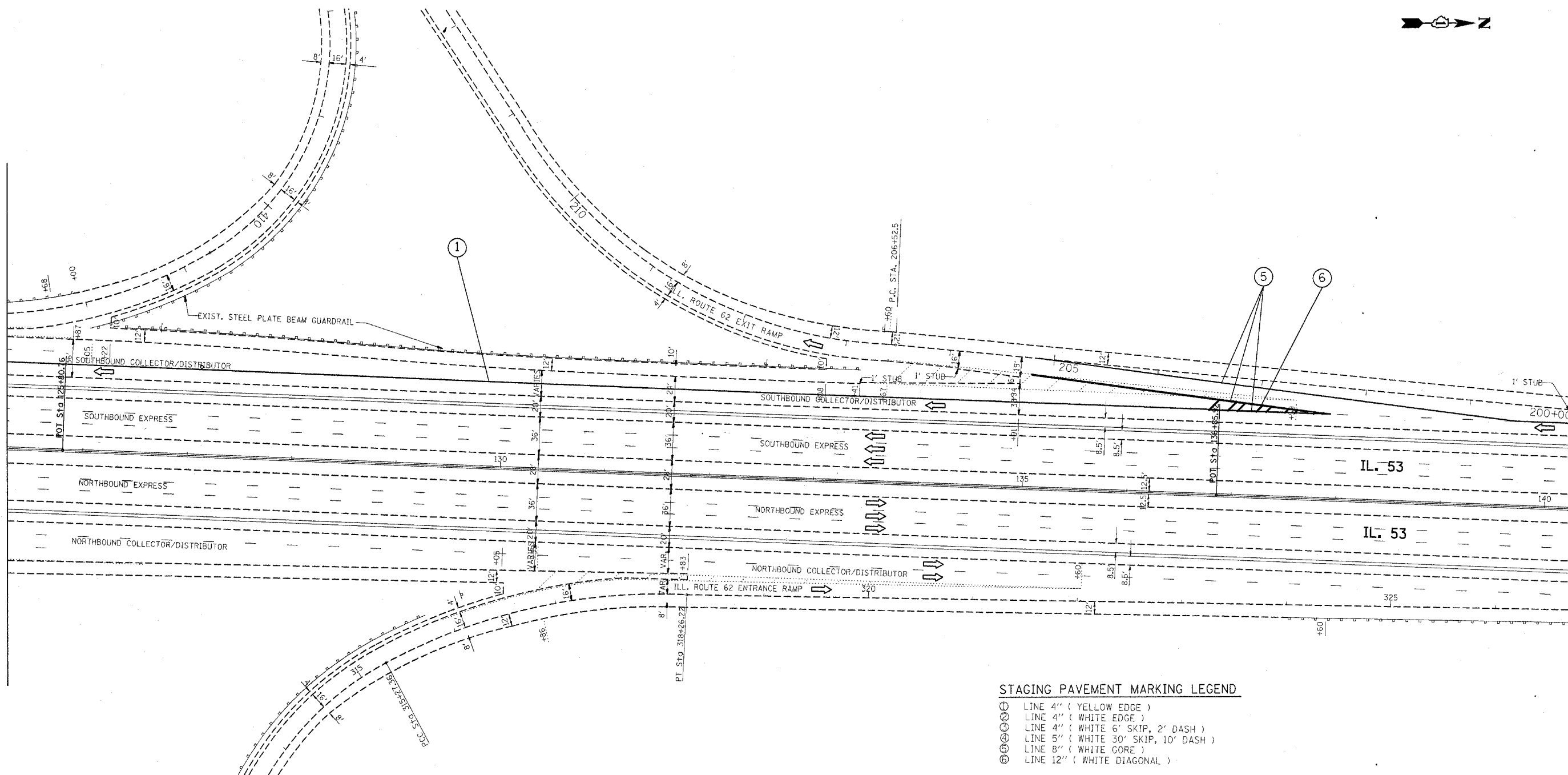
Stage 1

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DATE _____

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	11A
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STAGING PAVEMENT MARKING LEGEND

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REVISIONS	
NAME	DATE
REVISION SHEET	5/20/06

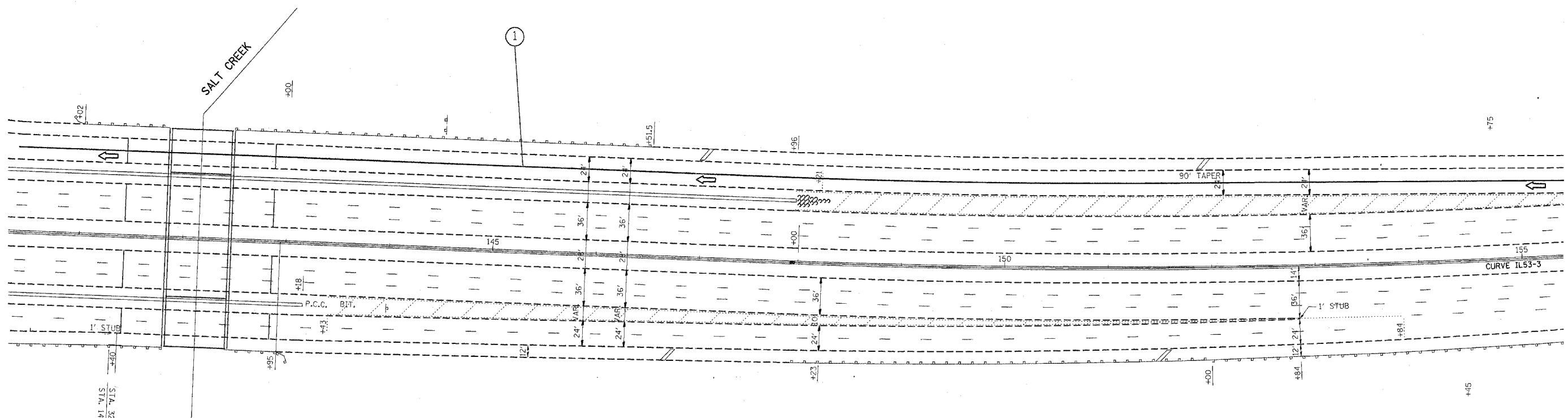
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	11B
STA.		TO STA.		
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STAGING PAVEMENT MARKING LEGEND

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- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

STA. 327+16.44 RAMP
STA. 14+35.05 ROUTE 53

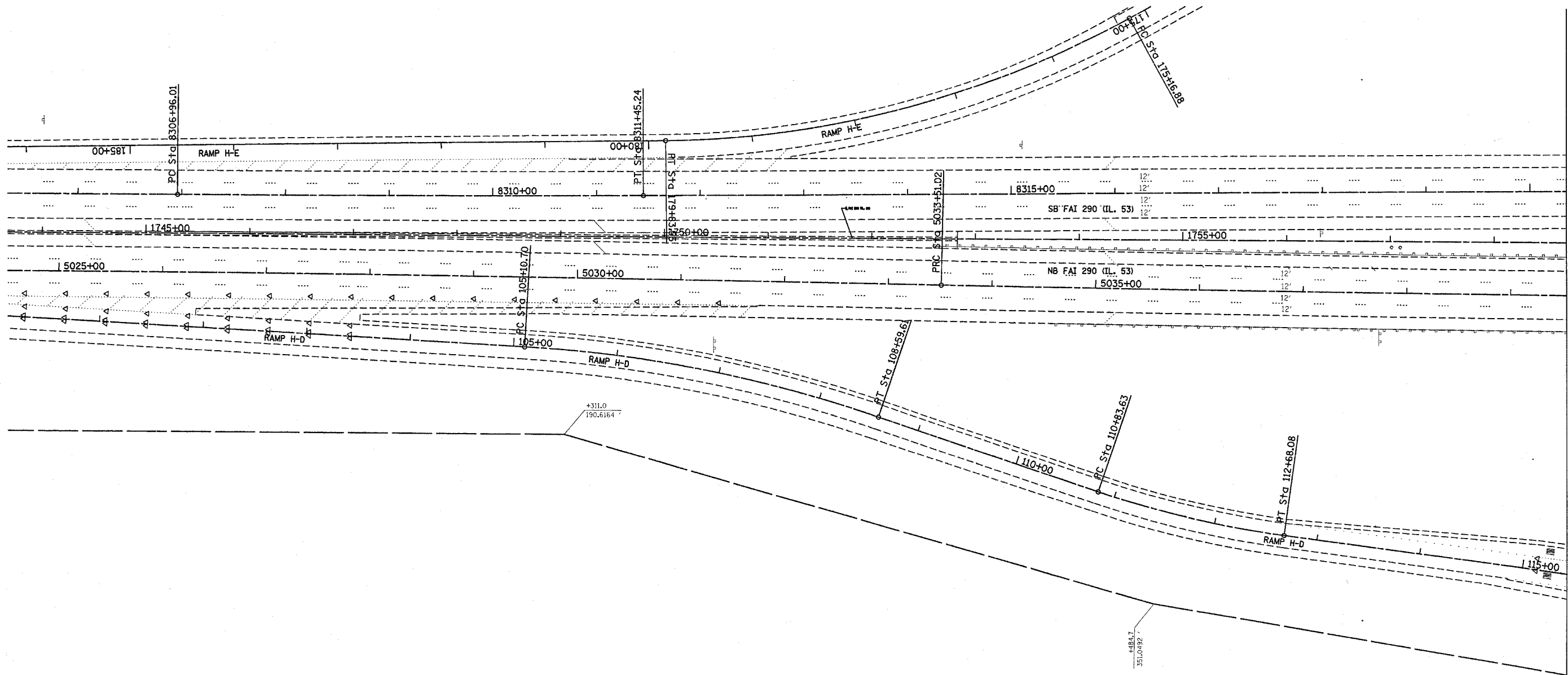
REVISIONS	
NAME	DATE
Revised sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
Stage 1

SCALE: VERT. _____
HORIZ. _____
DATE _____
DRAWN BY _____
CHECKED BY _____

PLOT DATE = 5/30/2007
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USER NAME = ritchieno

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

PLOT DATE = 5/28/2007
 PLOT SCALE = 50.0000 IN.
 USER NAME = ritchiano

REVISIONS	
NAME	DATE
Revised Sheet	5/29/07

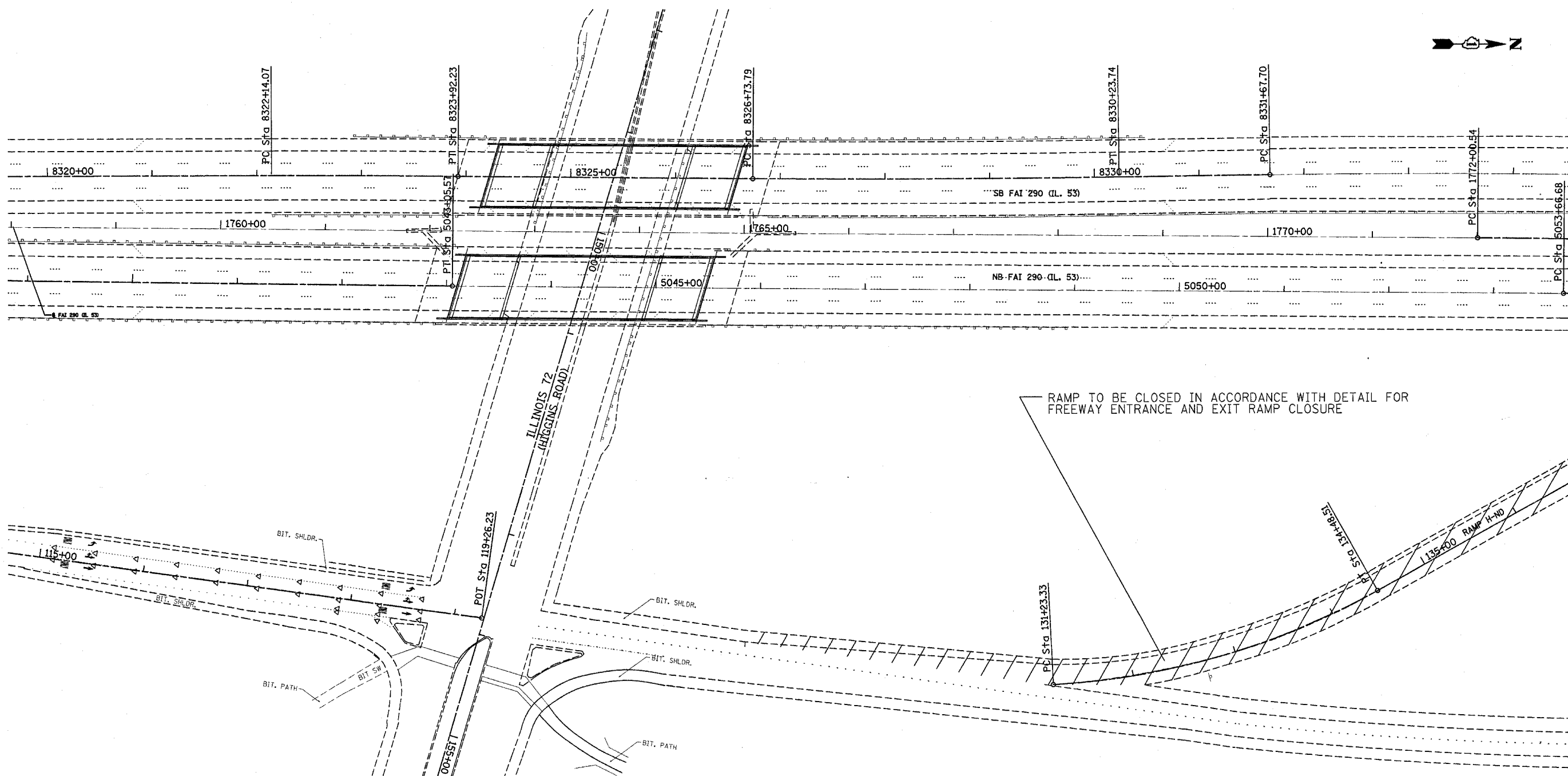
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1A

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

NOTE: FOR STAGING TYPICAL SECTIONS SEE SHEETS 40, 52 AND 64



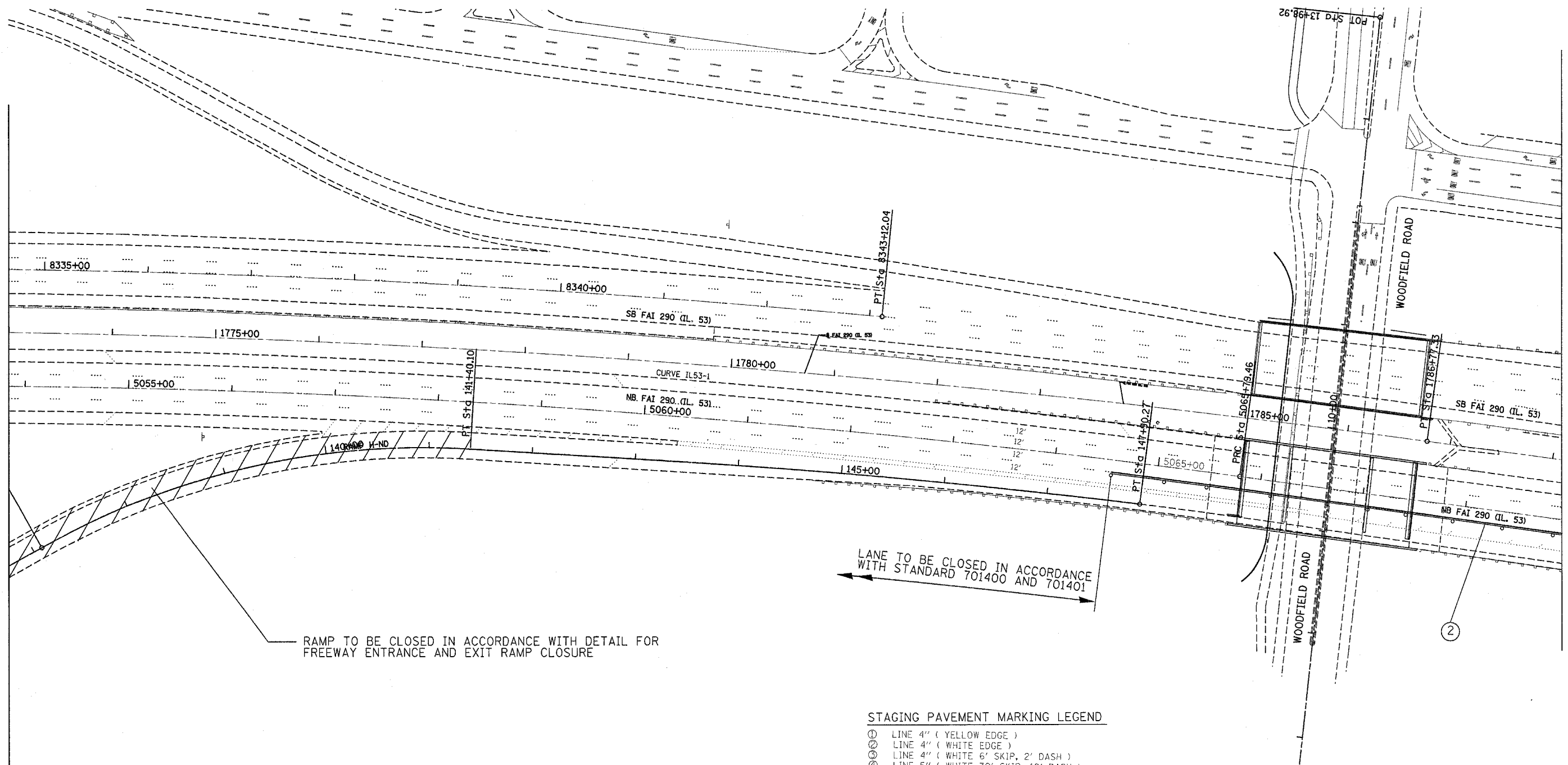
REVISIONS		
NAME	DATE	
Revised sheet	6/30/07	

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 1A

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 5/28/2007
 FILE NAME = c:\pwork\60b79\13142006\stage1a.dgn
 SCALE = 5/8" = 1' IN.
 USER NAME = p13142006

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- STAGING PAVEMENT MARKING LEGEND**
- ① LINE 4" (YELLOW EDGE)
 - ② LINE 4" (WHITE EDGE)
 - ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
 - ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
 - ⑤ LINE 8" (WHITE GORE)
 - ⑥ LINE 12" (WHITE DIAGONAL)

REVISIONS	
NAME	DATE
Δ Revised Sheet	5/3/97

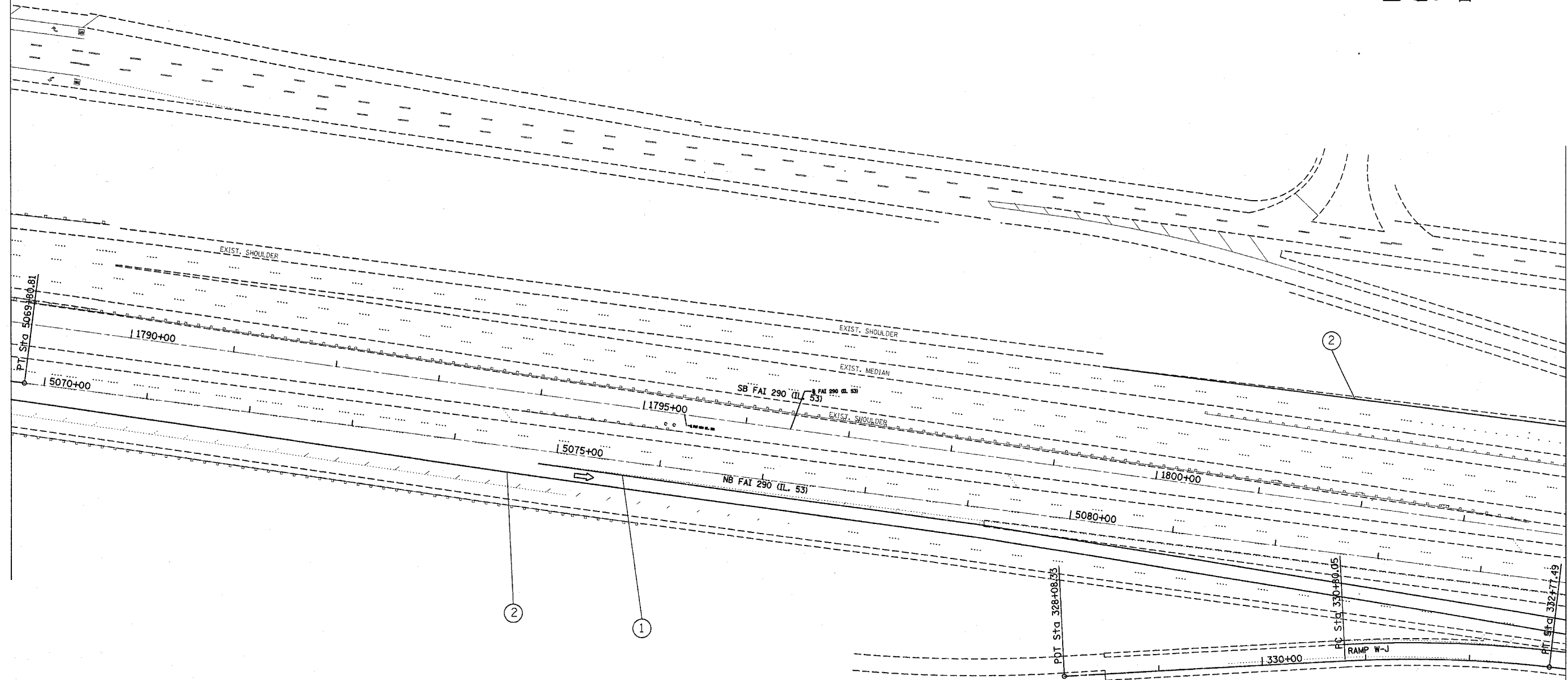
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1A

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 5/28/2007
 FILE NAME = c:\pco\pco\12286\design\pco.dgn
 PLOT SCALE = 51.0000 / IN.
 USER NAME = ritchens

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	15
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

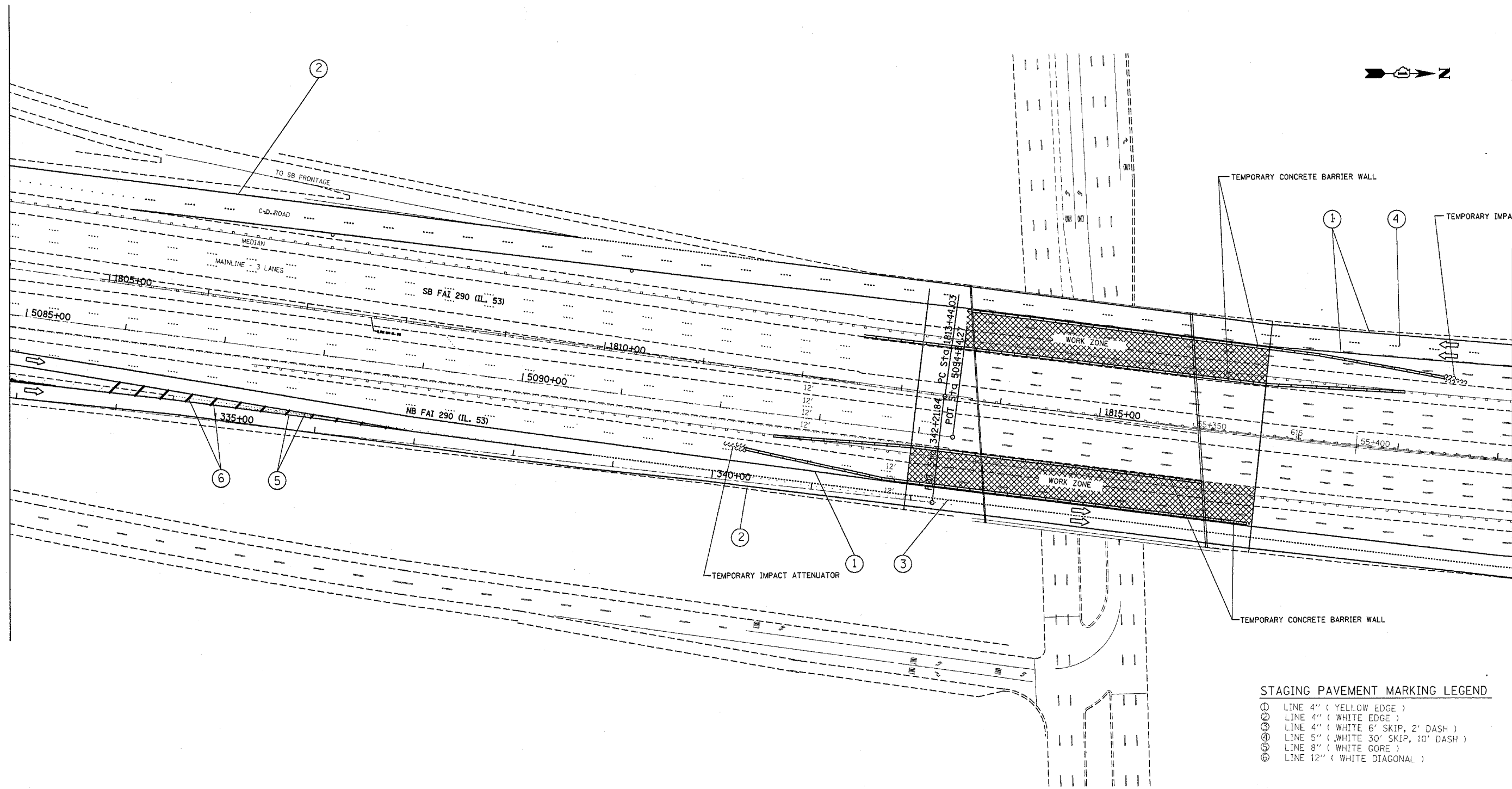
REVISIONS	
NAME	DATE
Revised Sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1A

SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 5/28/2007
 FILE NAME = c:\p\objects\142896\design\pae.dgn
 PLOT SCALE = 51.0000 / IN.
 USER NAME = r1chiera

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

①	LINE 4" (YELLOW EDGE)
②	LINE 4" (WHITE EDGE)
③	LINE 4" (WHITE 6' SKIP, 2' DASH)
④	LINE 5" (WHITE 30' SKIP, 10' DASH)
⑤	LINE 8" (WHITE GORE)
⑥	LINE 12" (WHITE DIAGONAL)

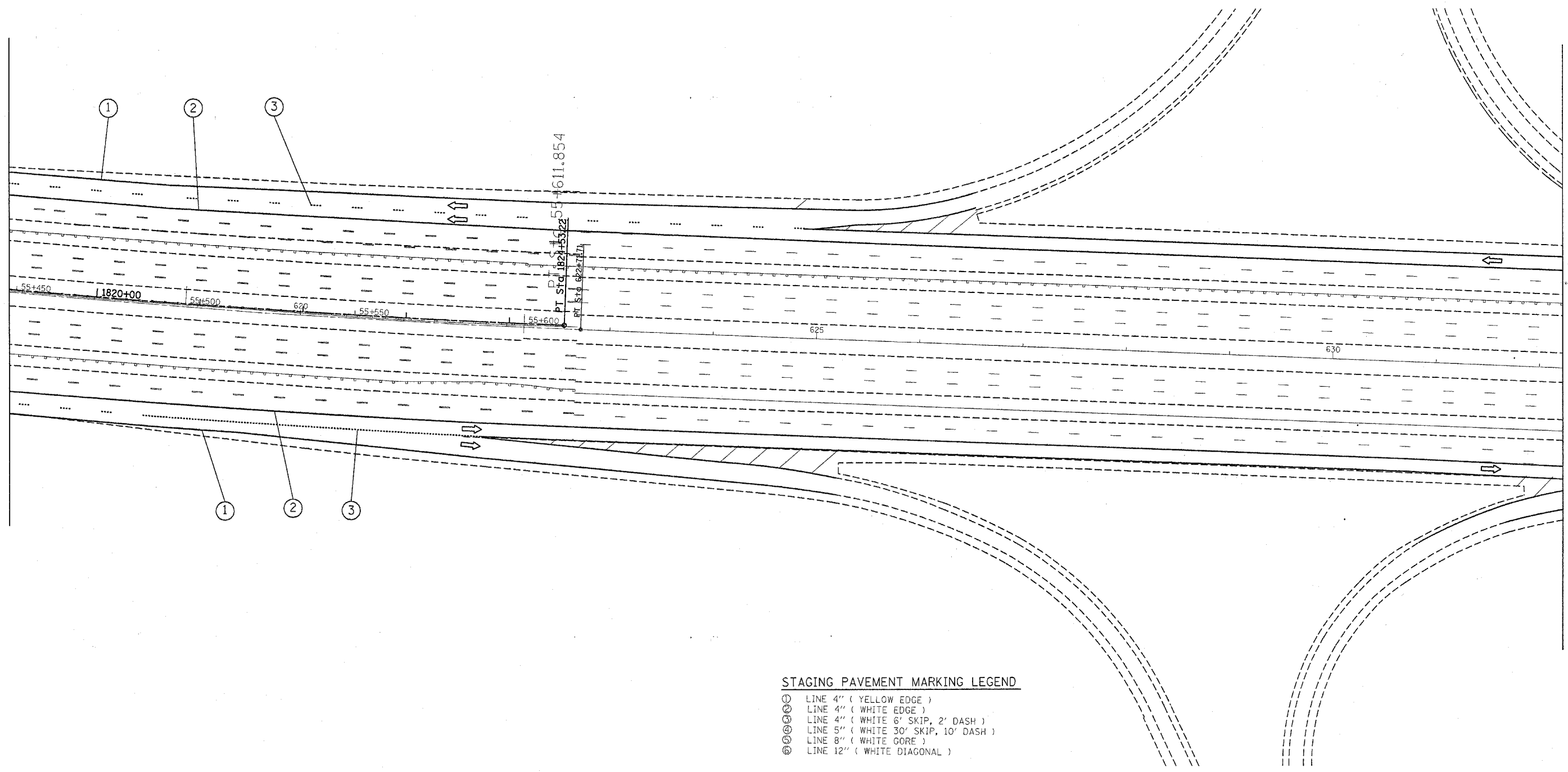
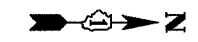
REVISIONS	
NAME	DATE
Δ Revised Sheet	3/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1A

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 5/30/2007
 PLOT SCALE = 51.0000
 USER NAME = ritchner

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

PLOT DATE = 5/30/2007
 PLOT SCALE = 1/4" = 100'
 USER NAME = ritchiano

REVISIONS	
NAME	DATE
Δ Revised Sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL STAGING

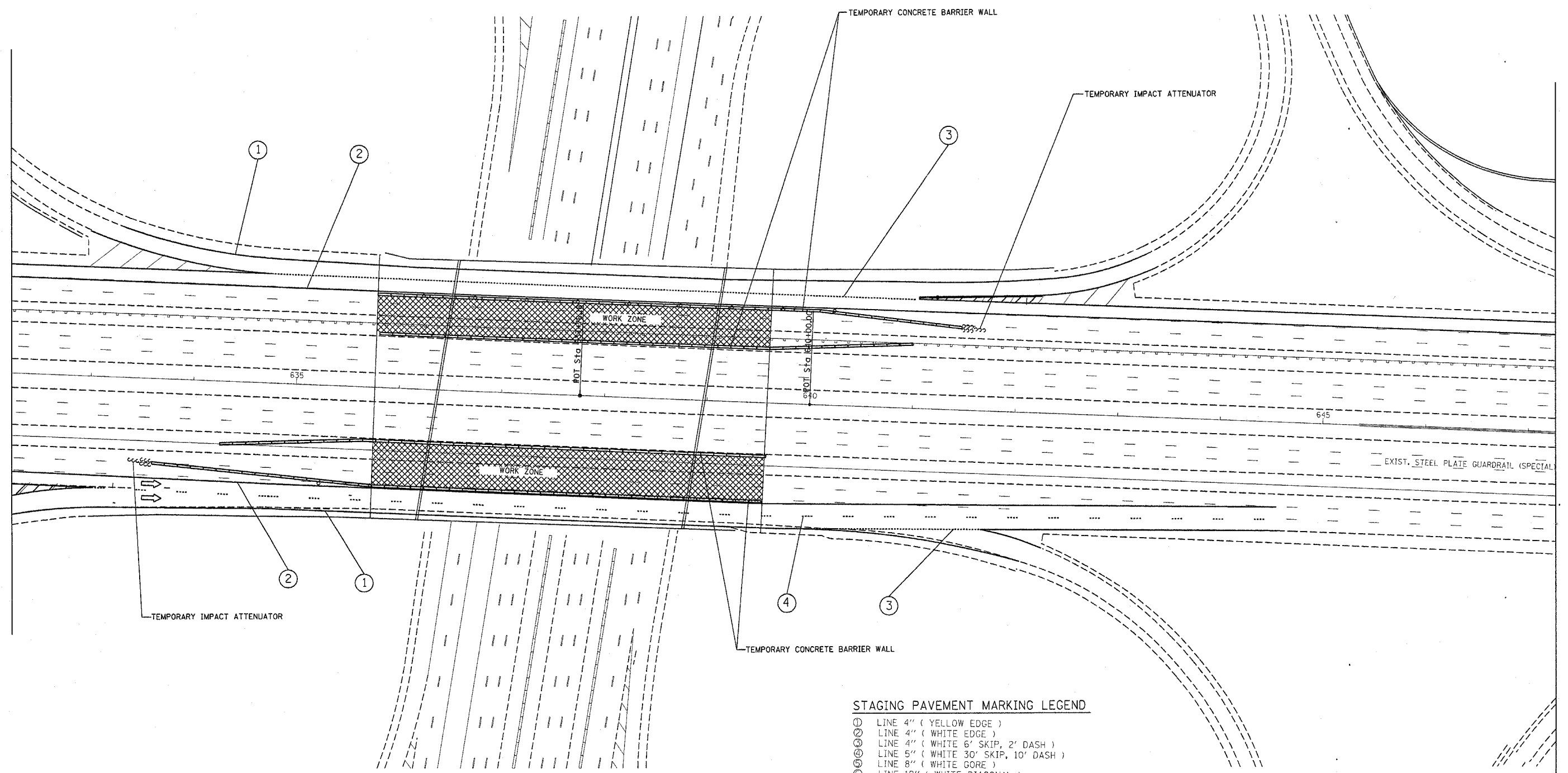
Stage 1A

SCALE: VERT. _____
 HORIZ. _____

DATE _____

DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE CORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

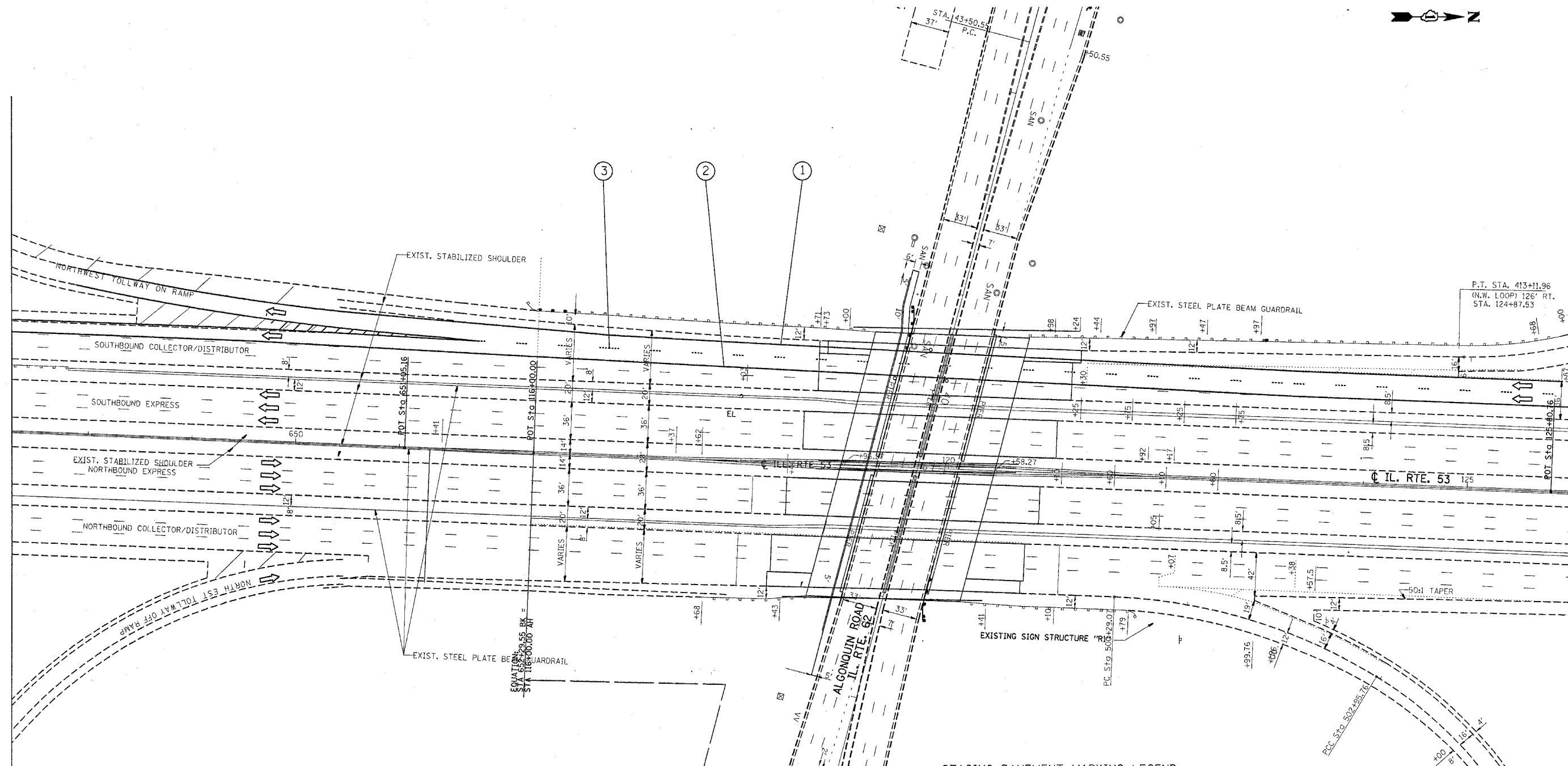
PLOT DATE = 5/30/2007
 PLOT SCALE = 5/16000" = 1" = 100'
 USER NAME = ritchie

REVISIONS	
NAME	DATE
Revised sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1A

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

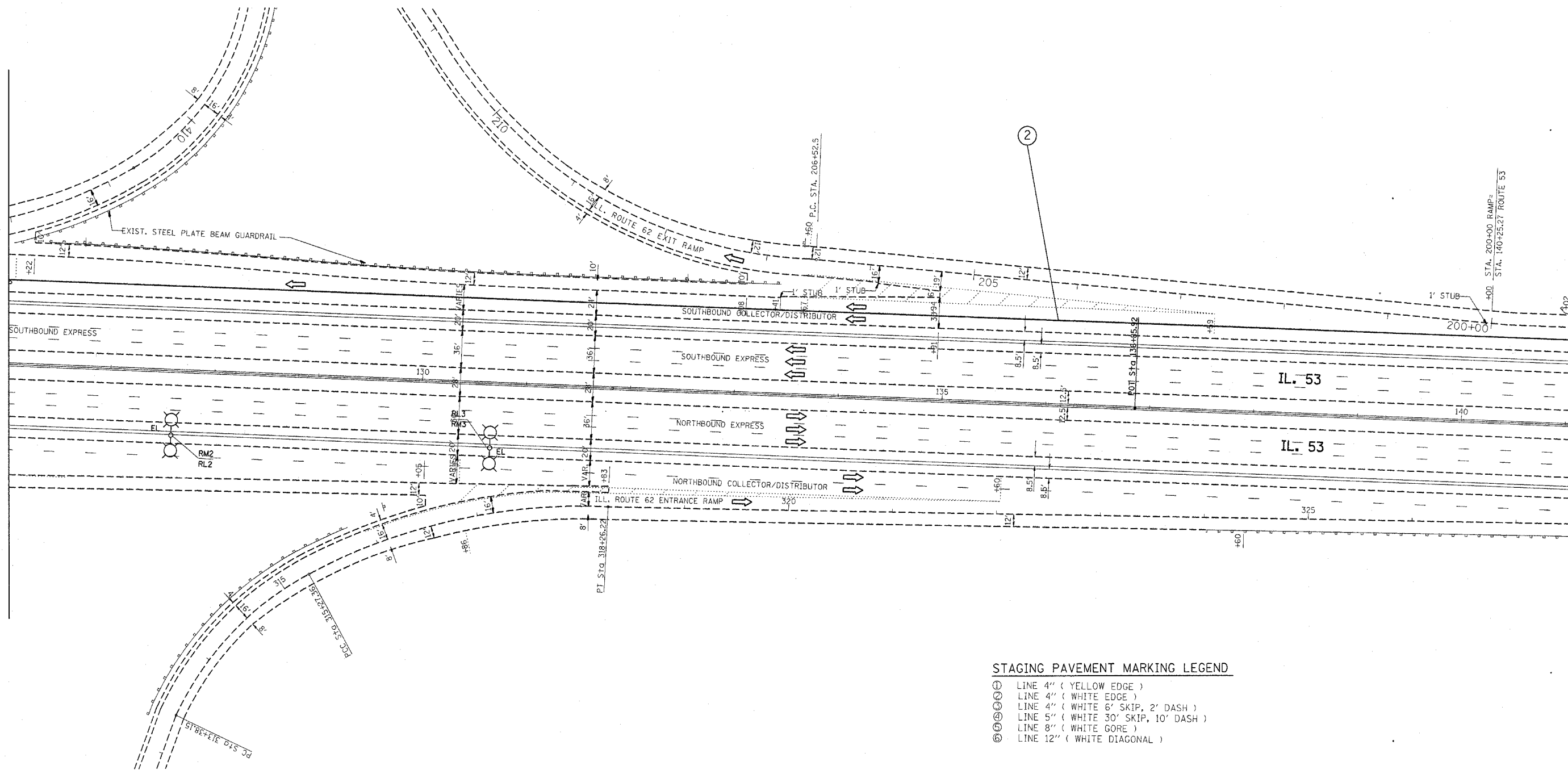
REVISIONS	
NAME	DATE
Revised Sheet	5/30/10

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1A

SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 5/30/2007
 FILE NAME = c:\pvc\msta\142885\design\msta.dgn
 PLOT SCALE = 51.0000 / IN.
 USER NAME = r1000000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	20
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

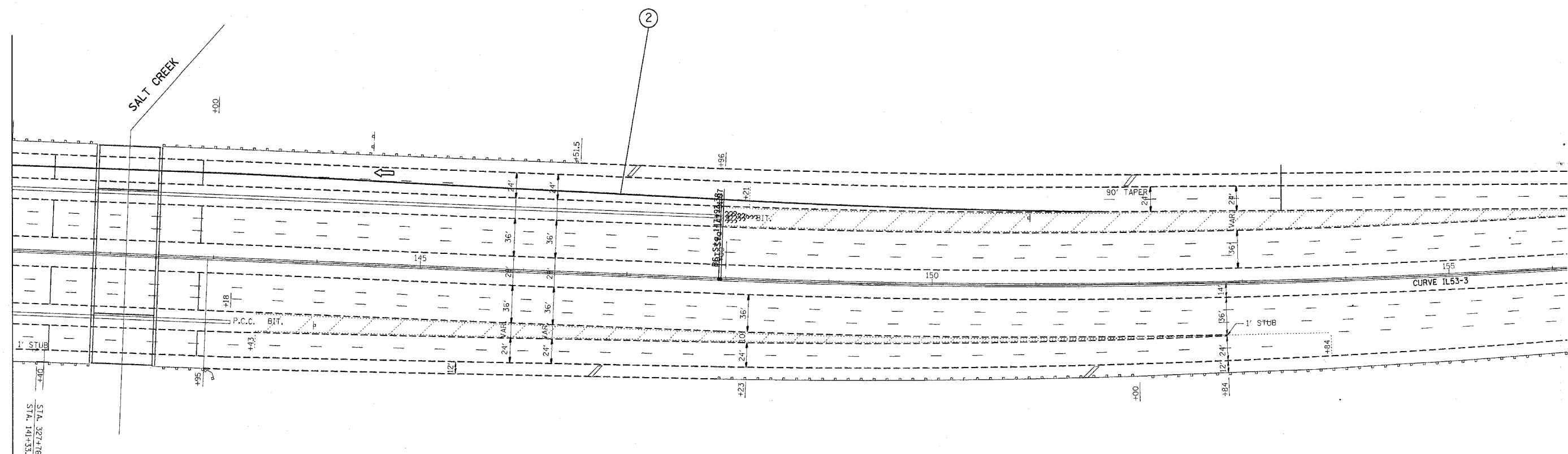
PLOT DATE = 5/30/2007
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 PLOT SCALE = 51.0000 / IN.
 USER NAME = p142886

REVISIONS	
NAME	DATE
A. Revised sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 1A

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	21
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

STA. 327+76.44 RAMP =
STA. 141+33.05 ROUTE 53

PLOT DATE = 5/30/2007
 FILE NAME = c:\projects\60b79\60b79.dwg
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = rickens

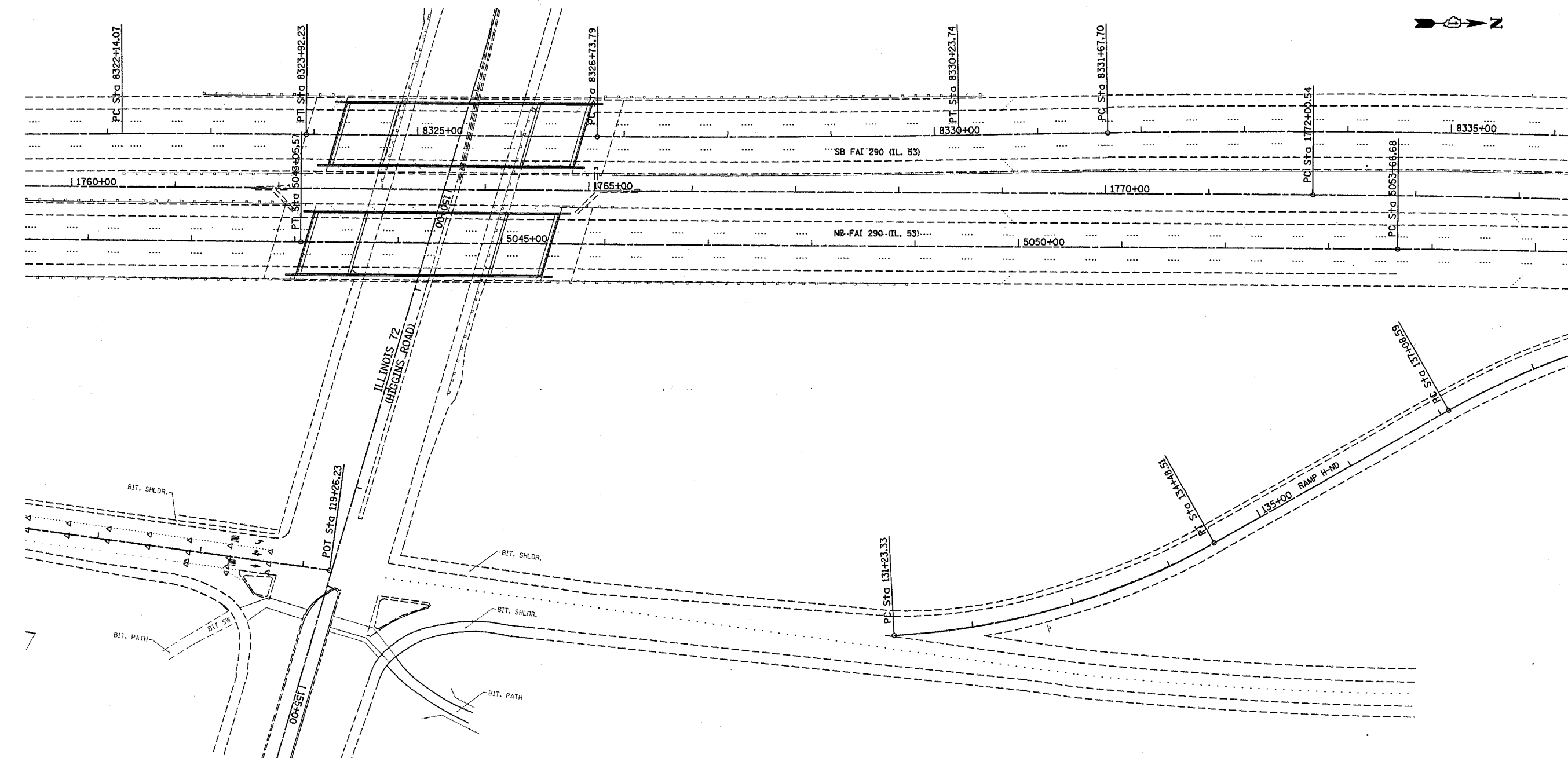
REVISIONS	
NAME	DATE
Δ Revised sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 1A

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE: FOR STAGING TYPICAL SECTIONS SEE SHEETS 40, 52 AND 64



- STAGING PAVEMENT MARKING LEGEND**
- ① LINE 4" (YELLOW EDGE)
 - ② LINE 4" (WHITE EDGE)
 - ③ LINE 4" (WHITE 6" SKIP, 2" DASH)
 - ④ LINE 5" (WHITE 30" SKIP, 10" DASH)
 - ⑤ LINE 8" (WHITE GORE)
 - ⑥ LINE 12" (WHITE DIAGONAL)

REVISIONS	
NAME	DATE
Revised Sheet	5/30/07

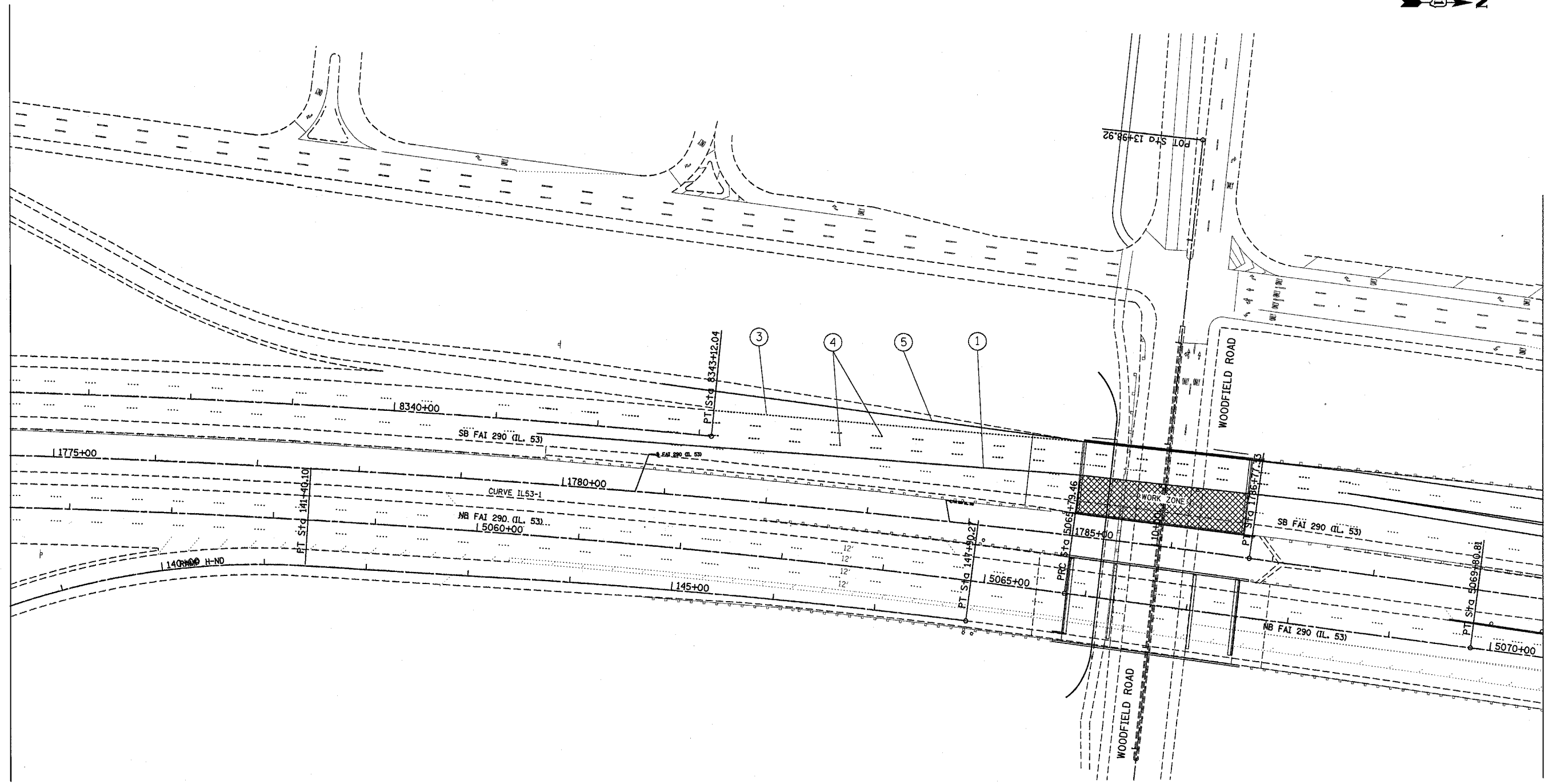
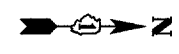
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 2

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 5/30/2007
 PLOT SCALE = 53.8197' / IN.
 USER NAME = ritchurne

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	2
STA. TO STA.		ILLINOIS FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

REVISIONS	
NAME	DATE
Revised Sheet	5/30/07

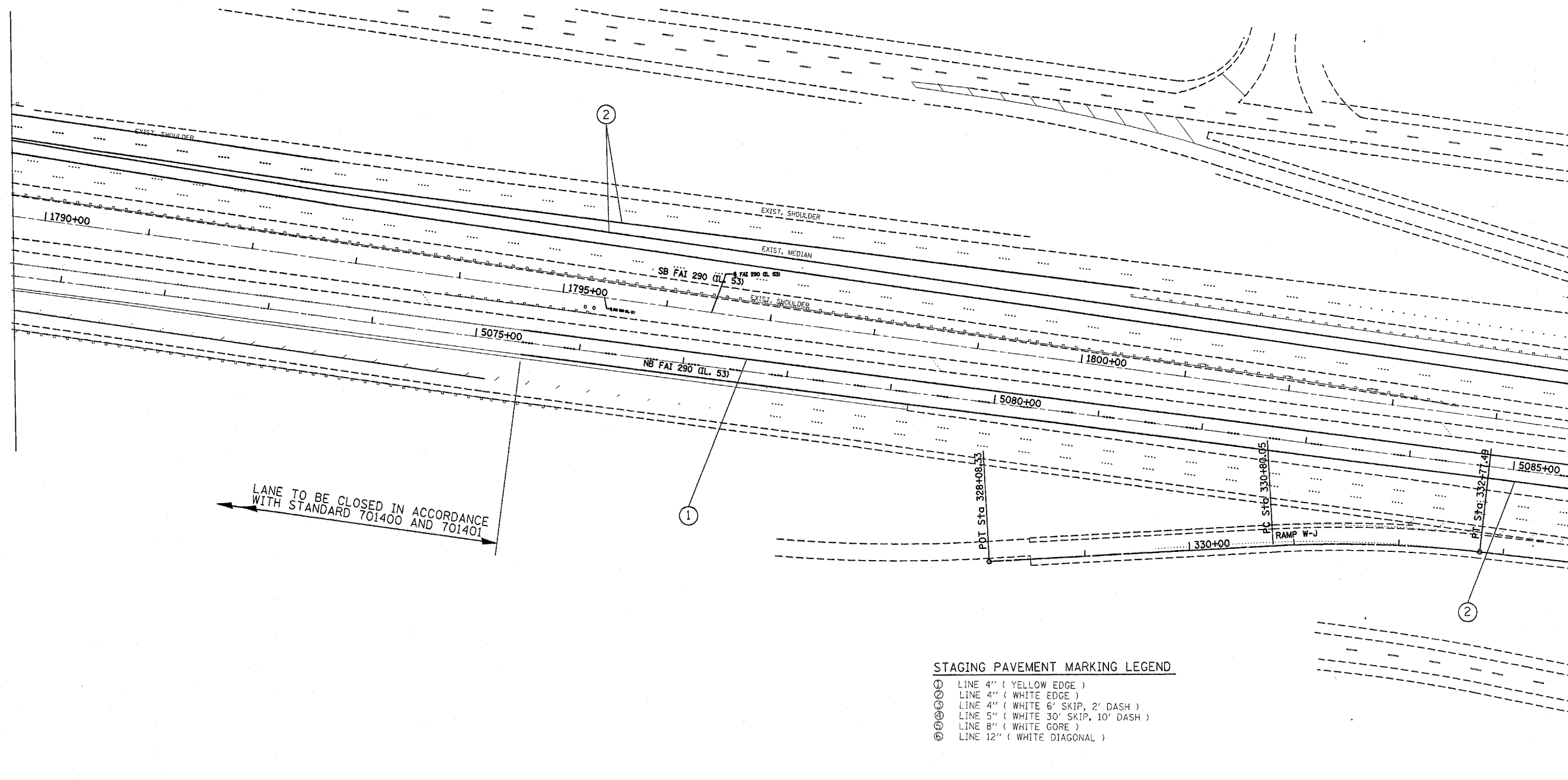
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 2

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

PLOT DATE = 5/30/2007
 FILE NAME = c:\projects\14122806\design\pao.dgn
 PLOT SCALE = 53.8197 / IN.
 USER NAME = ritchiera

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LANE TO BE CLOSED IN ACCORDANCE WITH STANDARD 701400 AND 701401

STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

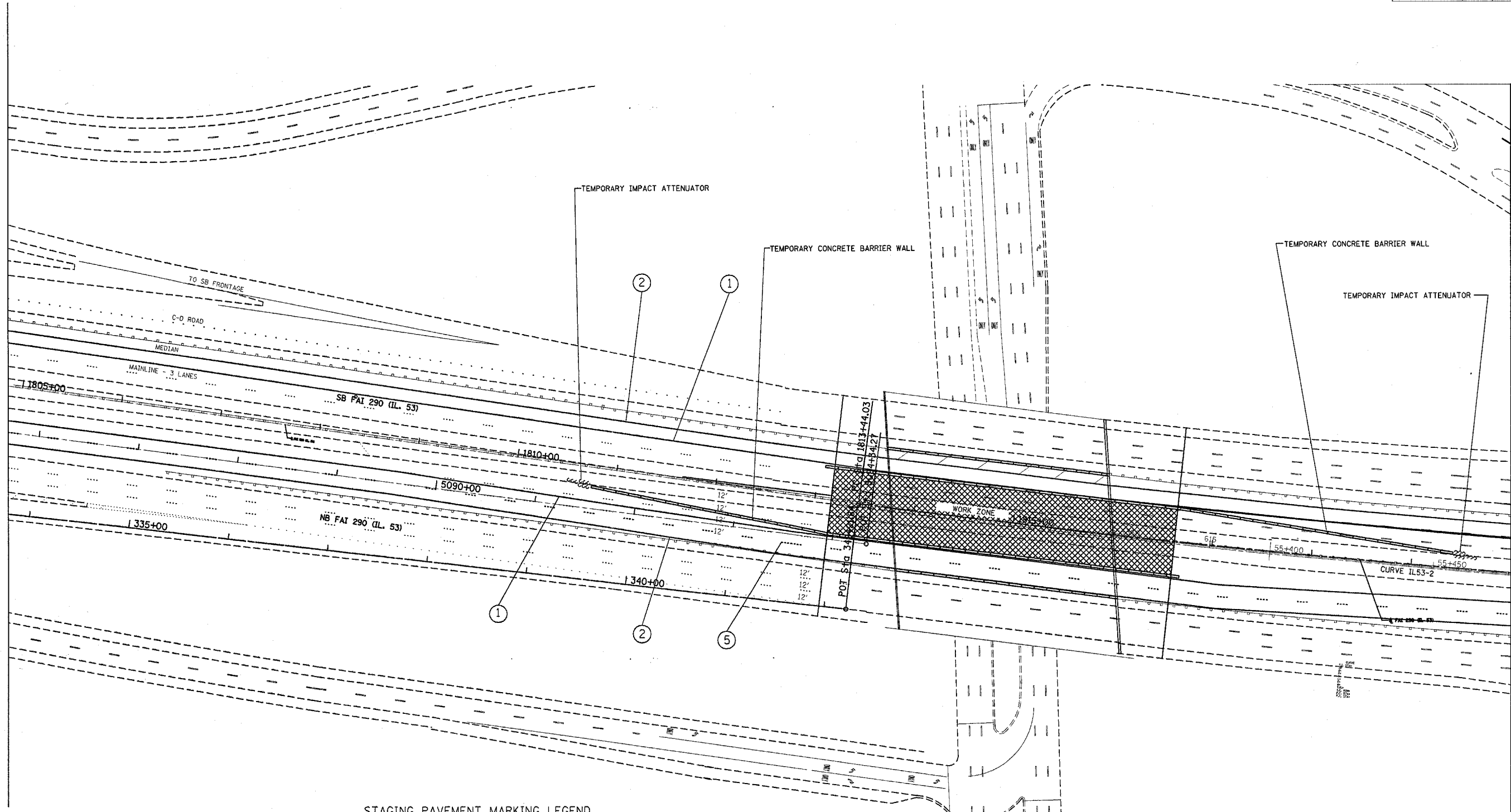
PLOT DATE = 5/30/2007
 PLOT SCALE = 53.8107' / IN.
 USER NAME = ritchie

REVISIONS	
NAME	DATE
Revised Sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 2

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2" DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

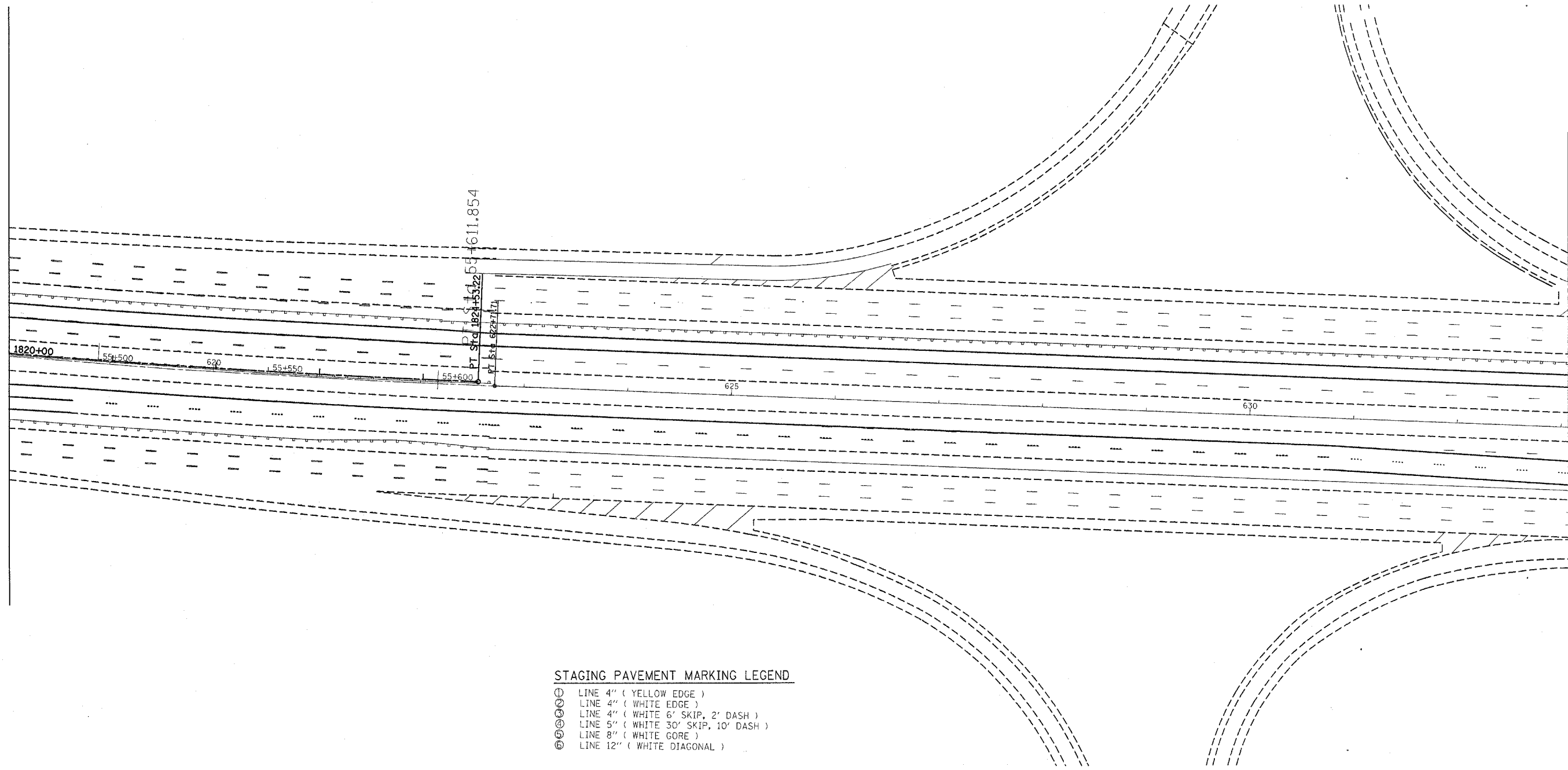
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 PLOT SCALE = 53.8197 / IN.
 USER NAME = rrtchare

REVISIONS	
NAME	DATE
Revised sheets	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 2

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

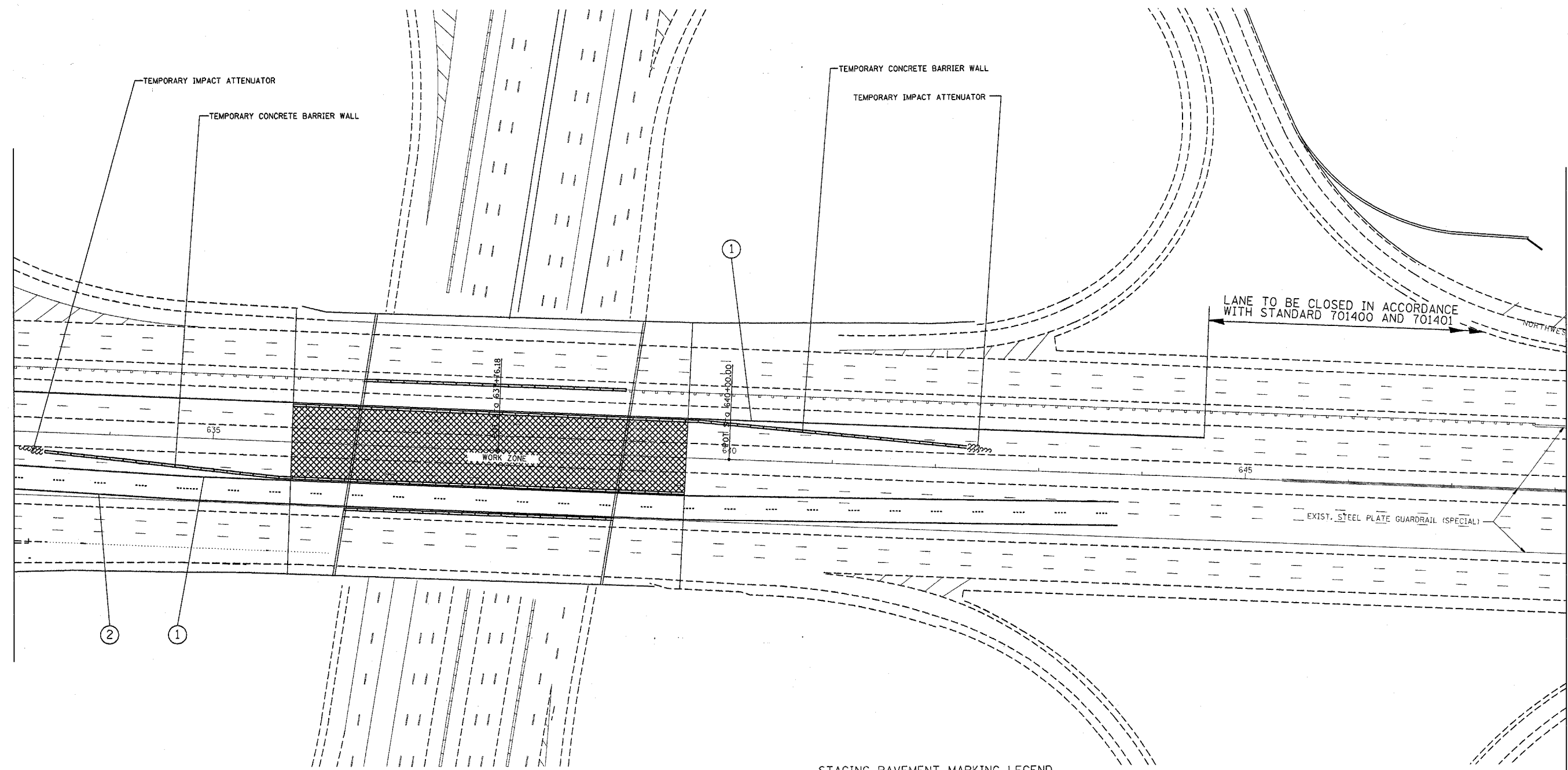
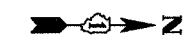
PLOT DATE = 5/30/2007
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 PLOT SCALE = 53.8197' / IN.
 USER NAME = ritchie

REVISIONS	
NAME	DATE
Δ-REVISOR sheets	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 2

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE CORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

PLOT DATE = 5/20/2007
 FILE NAME = d:\12865\designs\dgn
 PLOT SCALE = 53.8197 / IN.
 USER NAME = ritchiera

REVISIONS	
NAME	DATE
Revised Sheets	5/20/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL STAGING

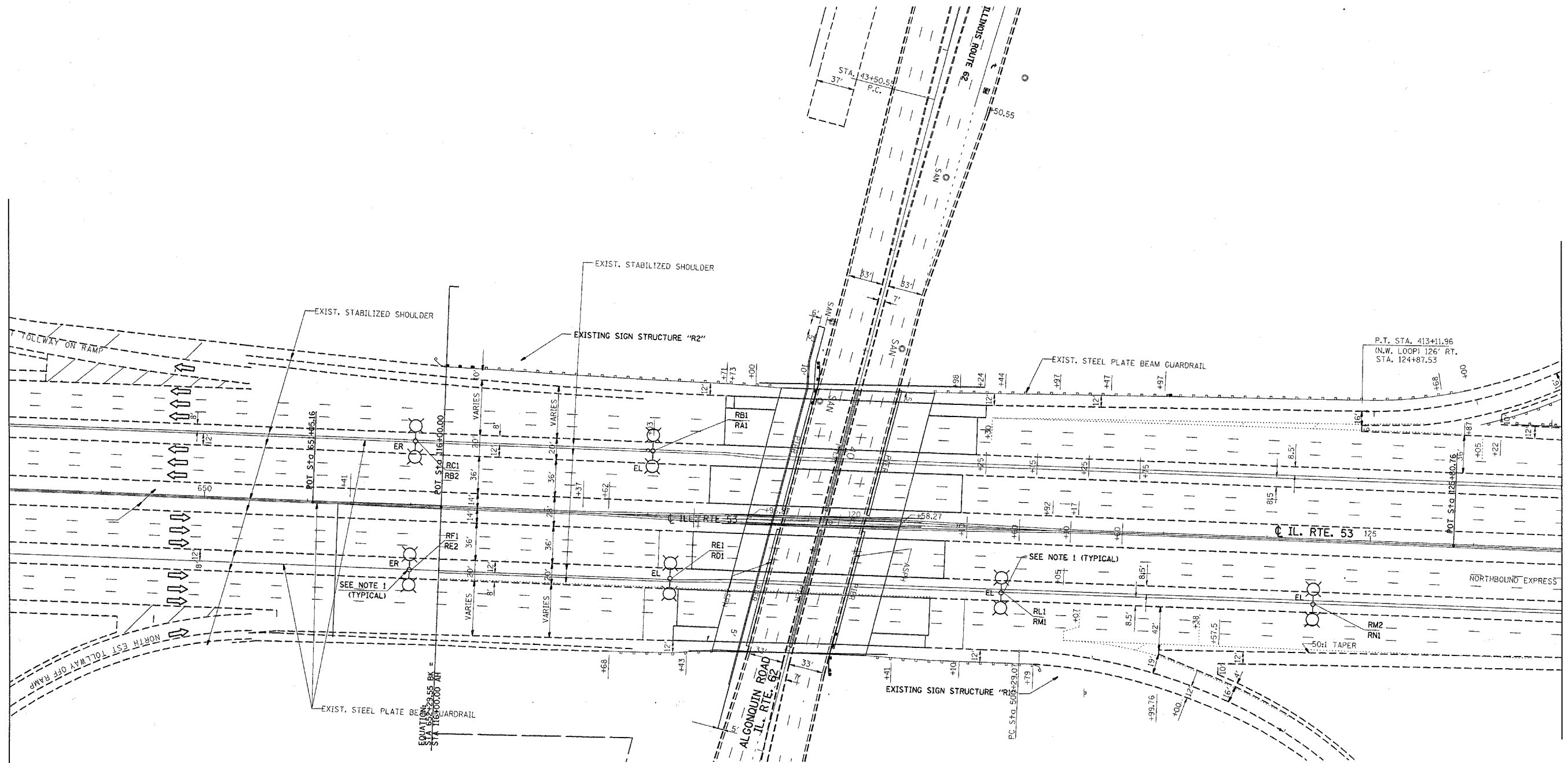
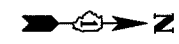
Stage 2

SCALE: VERT. _____
 HORIZ. _____

DATE _____

DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLOT DATE = 5/30/2007
 PLOT SCALE = 63/107' / IN.
 USER NAME = ritchiana

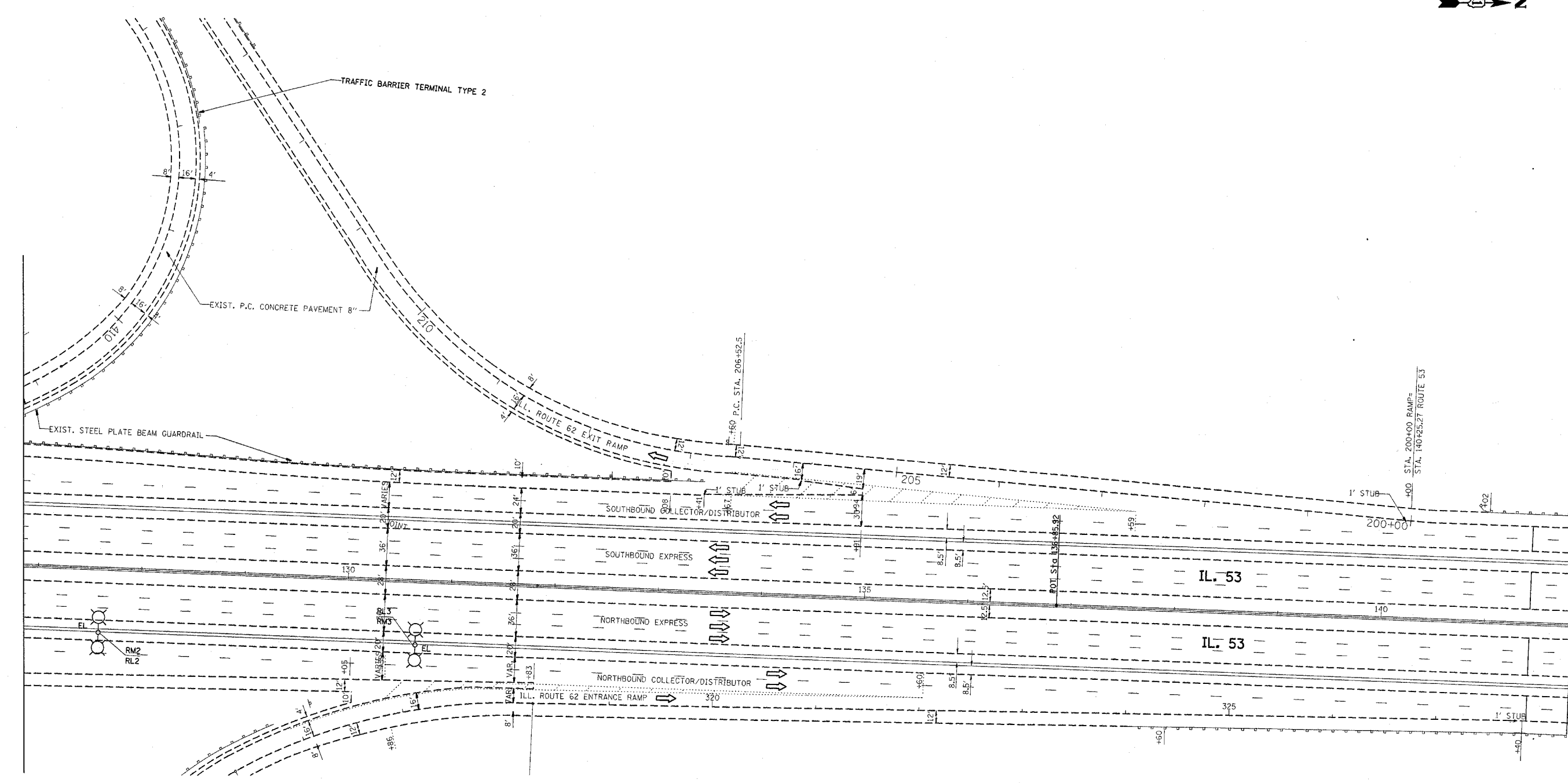
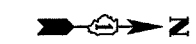
REVISIONS	
NAME	DATE
A Revised sheets	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 2

SCALE: VERT. _____
 DATE _____ HORIZ. _____

DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLOT DATE = 5/29/2007
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = ritchie

REVISIONS	
NAME	DATE
Δ REVISION	5/31/07

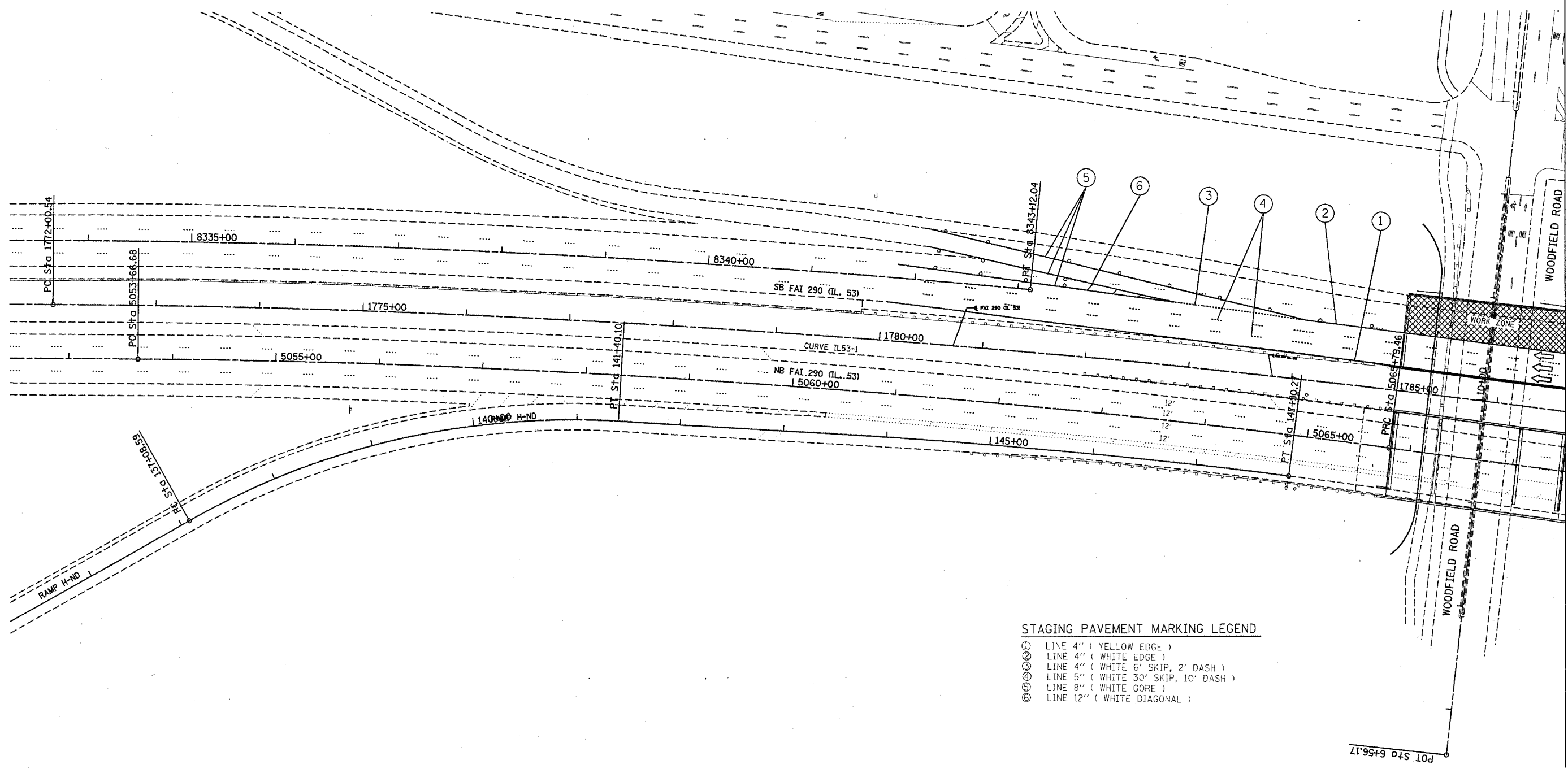
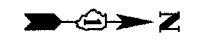
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 2

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

NOTE: FOR STAGING TYPICAL SECTIONS SEE SHEETS 40, 52 AND 64



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

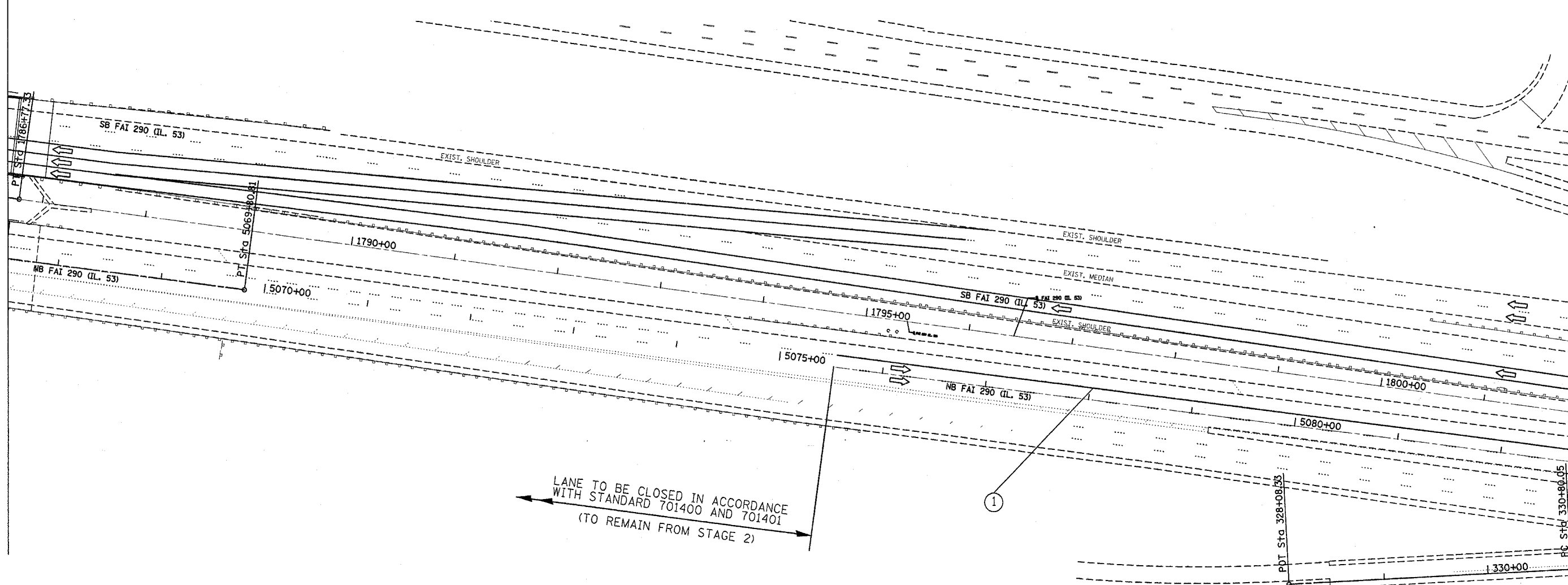
PLOT DATE = 5/20/2007
 FILE NAME = c:\p\projects\442886\design\stage.dgn
 PLOT SCALE = 51.0000 / IN.
 USER NAME = r1schier

REVISIONS	
NAME	DATE
Revised sheets	5/20/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 2A

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LANE TO BE CLOSED IN ACCORDANCE
WITH STANDARD 701400 AND 701401
(TO REMAIN FROM STAGE 2)

STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

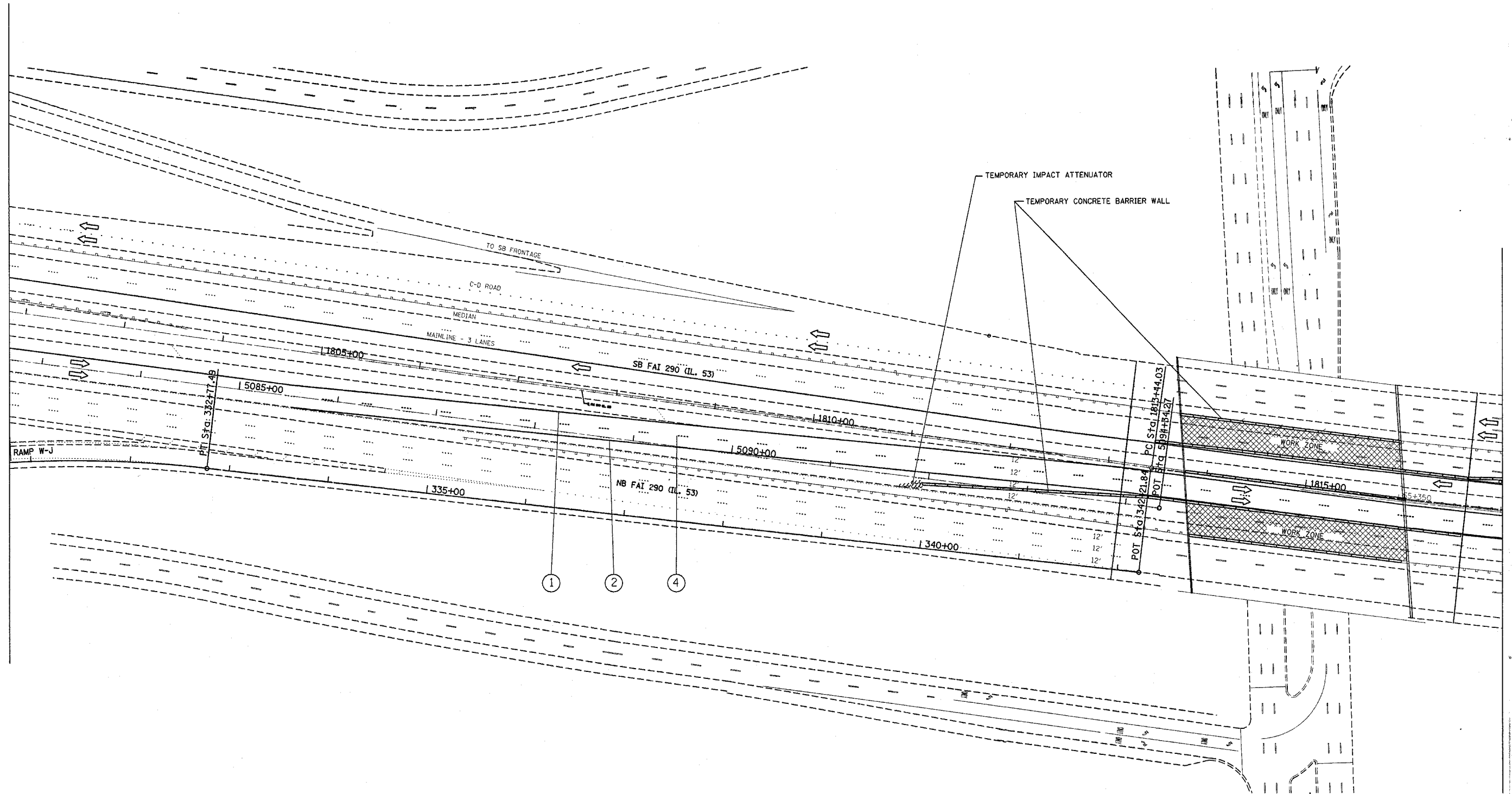
REVISIONS	
NAME	DATE
Δ Revised sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
Stage 2A

SCALE: VERT. _____
HORIZ. _____
DATE _____ DRAWN BY _____
CHECKED BY _____

PLOT DATE = 5/30/2007
PLOT SCALE = 1" = 40'
USER NAME = ritchner

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

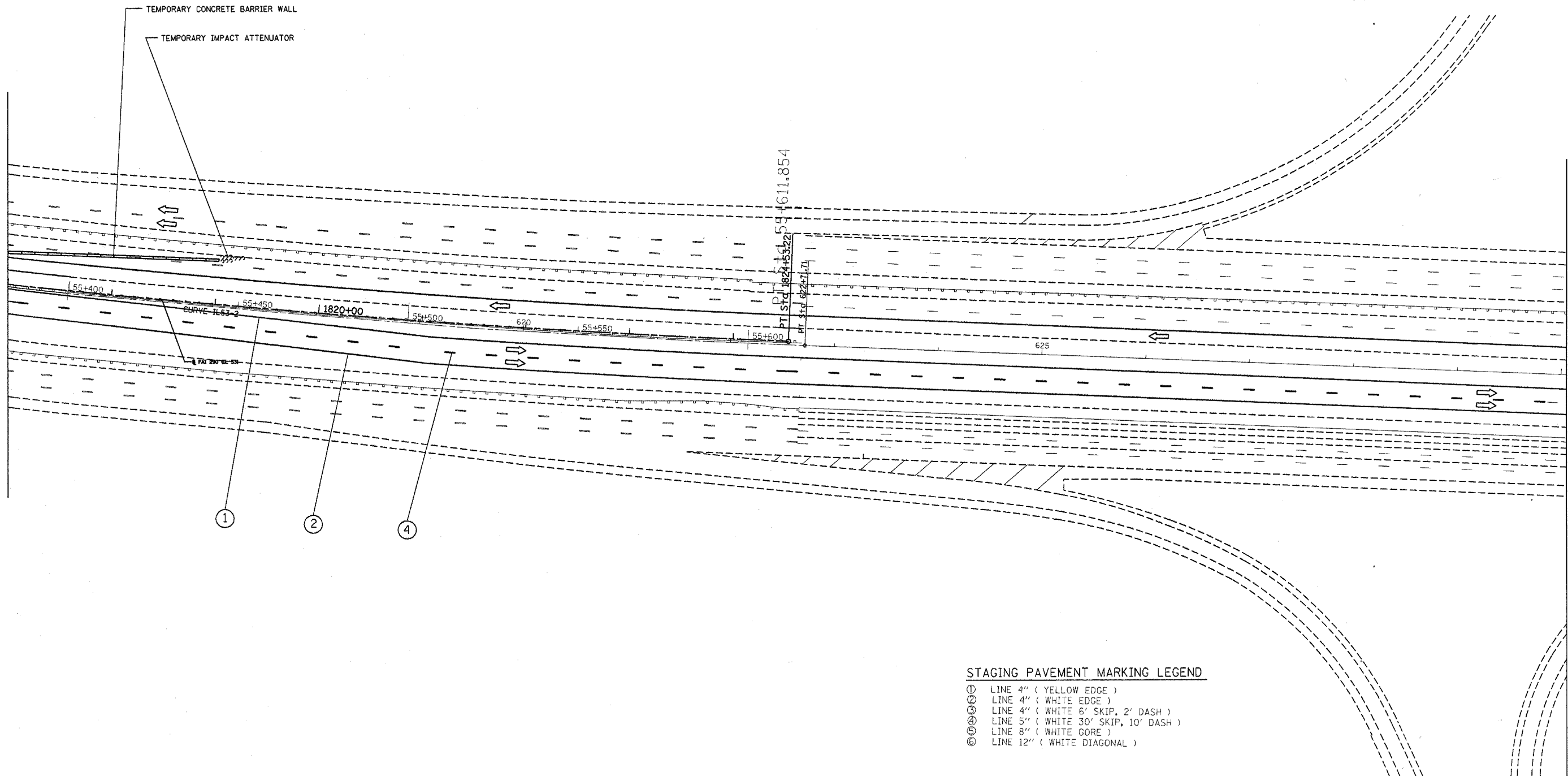
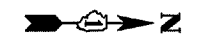
REVISIONS	
NAME	DATE
Revised Sheet	5/31/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 2A

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

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 USER NAME = mtchumbe

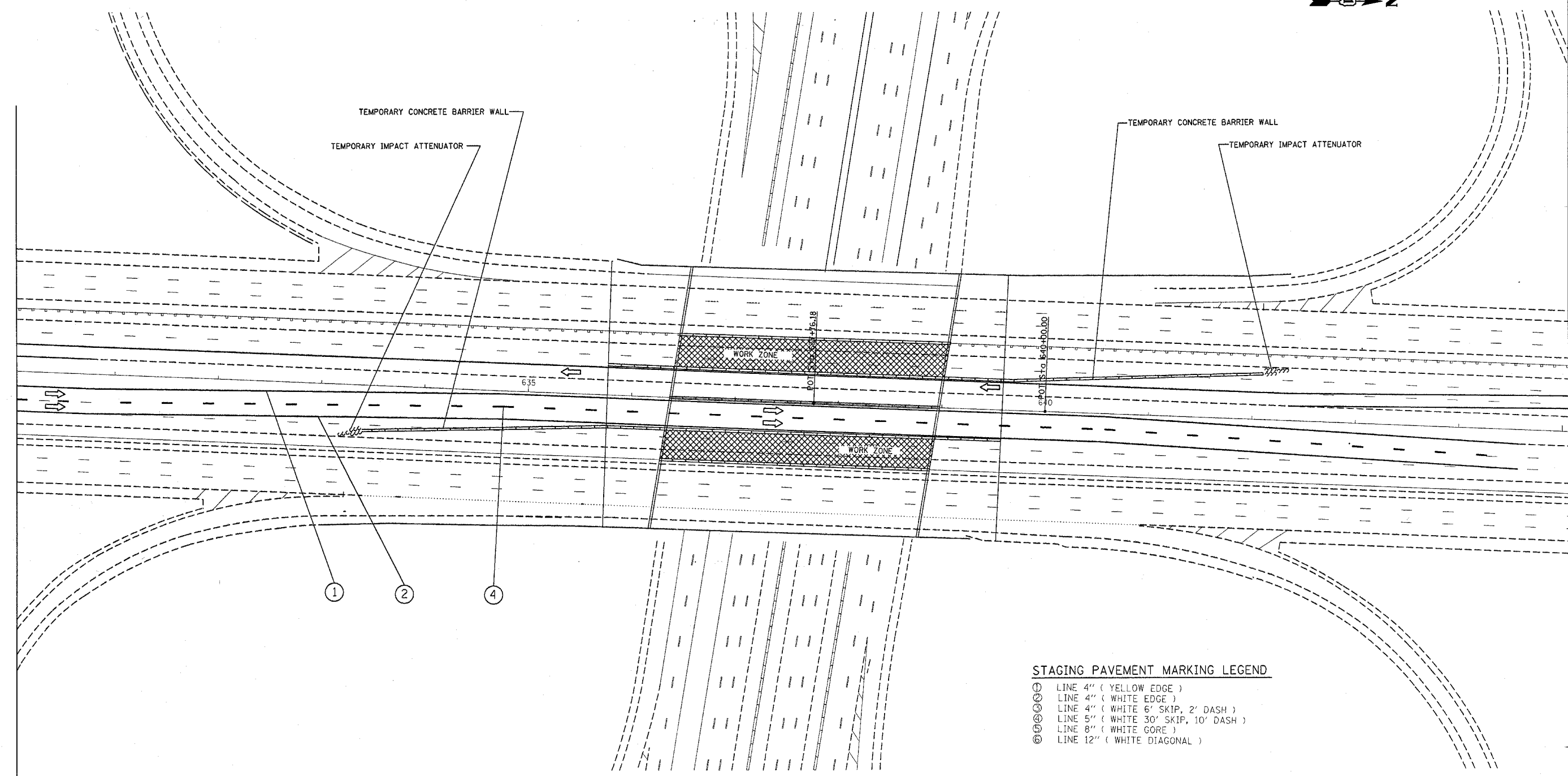
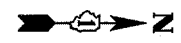
REVISIONS	
NAME	DATE
Δ Revised Sheets	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 2A

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

- ⊖ LINE 4" (YELLOW EDGE)
- ⊙ LINE 4" (WHITE EDGE)
- ⊕ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ⊗ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⊘ LINE 8" (WHITE GORE)
- ⊙ LINE 12" (WHITE DIAGONAL)

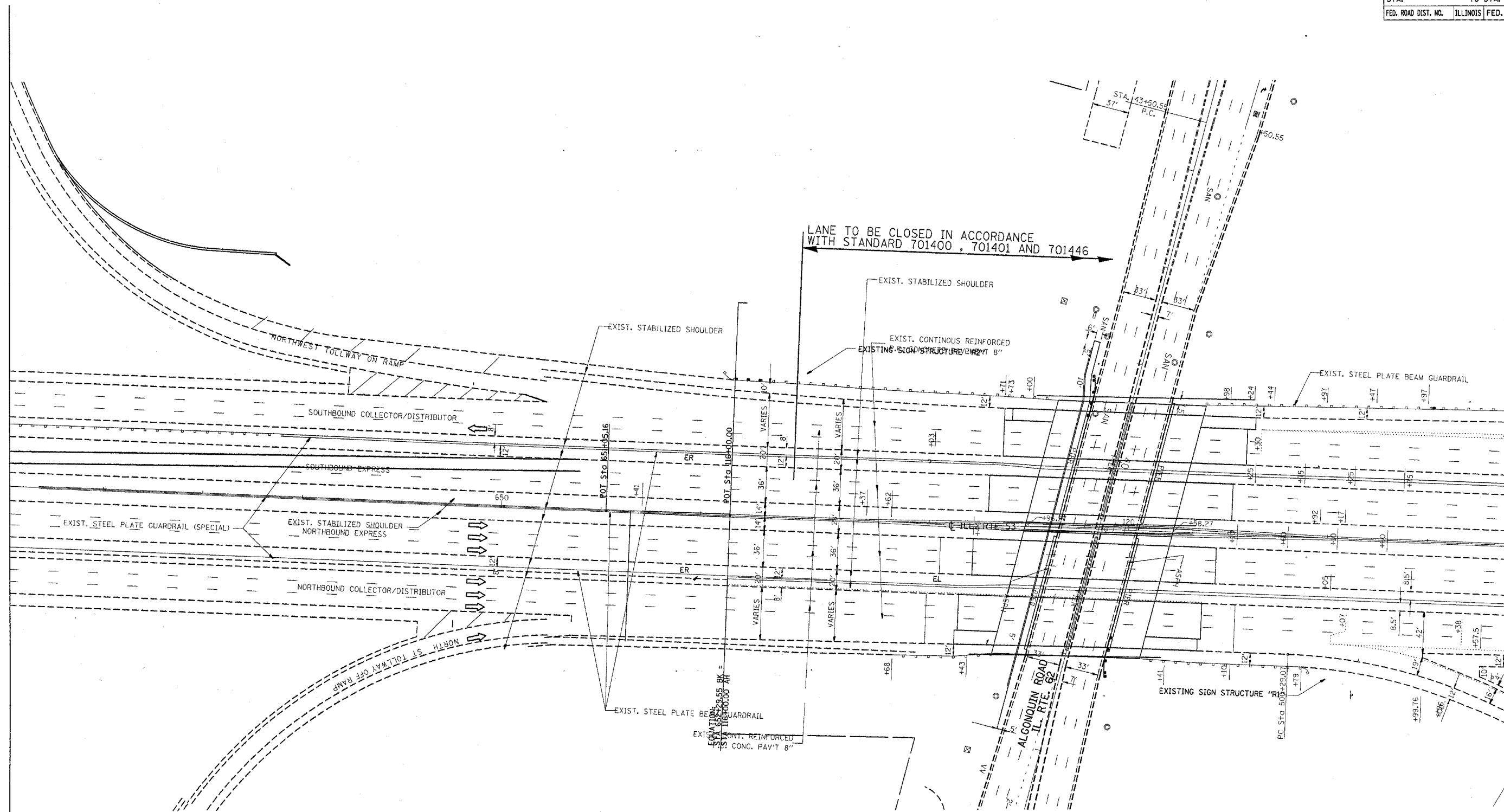
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 USER NAME = ritchens

REVISIONS	
NAME	DATE
A Revised sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 2A

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STAGING PAVEMENT MARKING LEGEND

- ① LINE 4" (YELLOW EDGE)
- ② LINE 4" (WHITE EDGE)
- ③ LINE 4" (WHITE 6' SKIP, 2' DASH)
- ④ LINE 5" (WHITE 30' SKIP, 10' DASH)
- ⑤ LINE 8" (WHITE GORE)
- ⑥ LINE 12" (WHITE DIAGONAL)

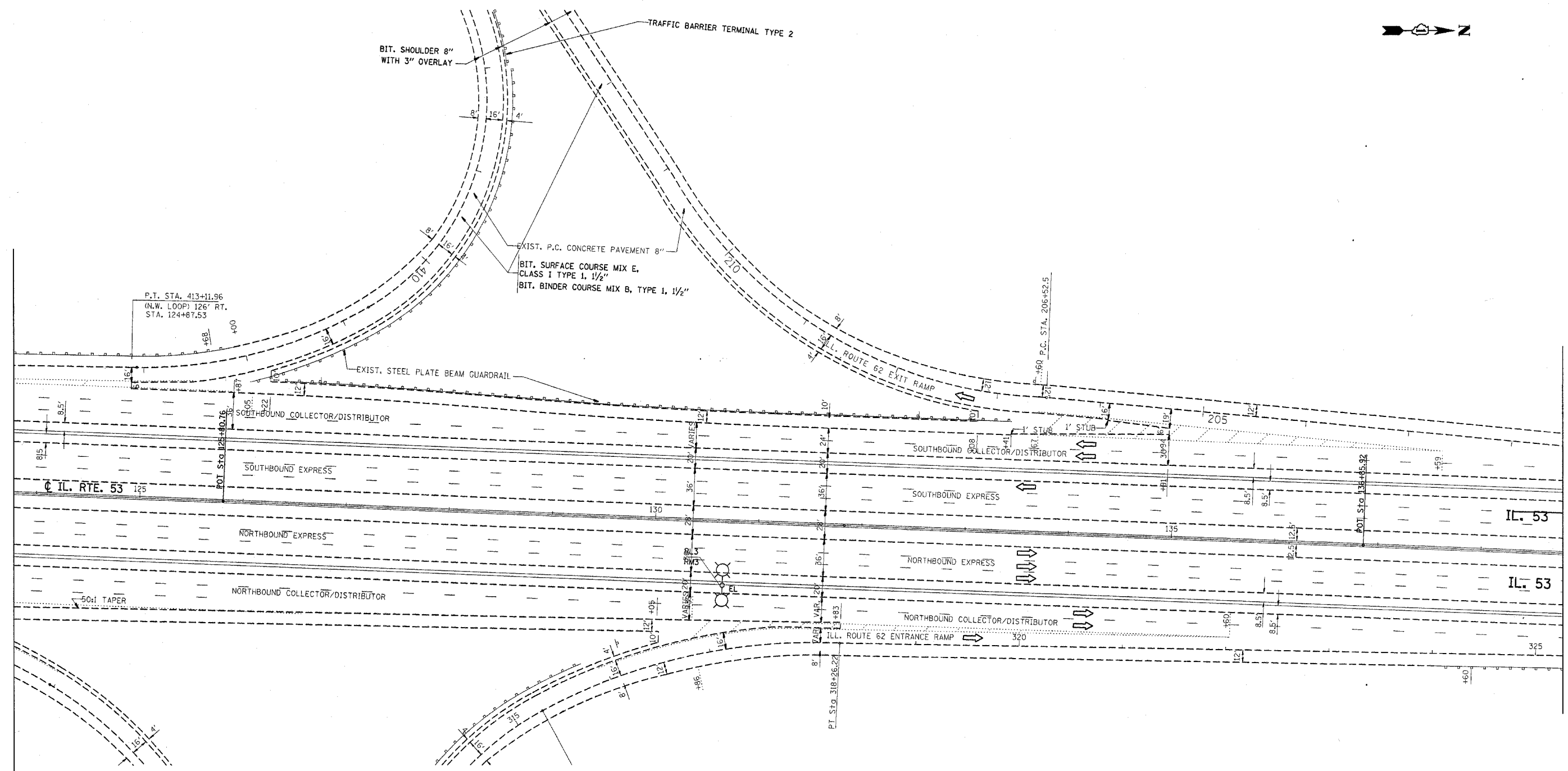
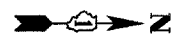
REVISIONS	
NAME	DATE
Revised Sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL STAGING
 Stage 2A

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

PLOT DATE = 5/30/2007
 PLOT SCALE = 5/8"=1'-0"
 USER NAME = ritchie

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLOT DATE = 5/30/2007
 PLOT SCALE = 1" = 100'
 USER NAME = ritchner

REVISIONS	
NAME	DATE
Revised Sheet	5/30/07

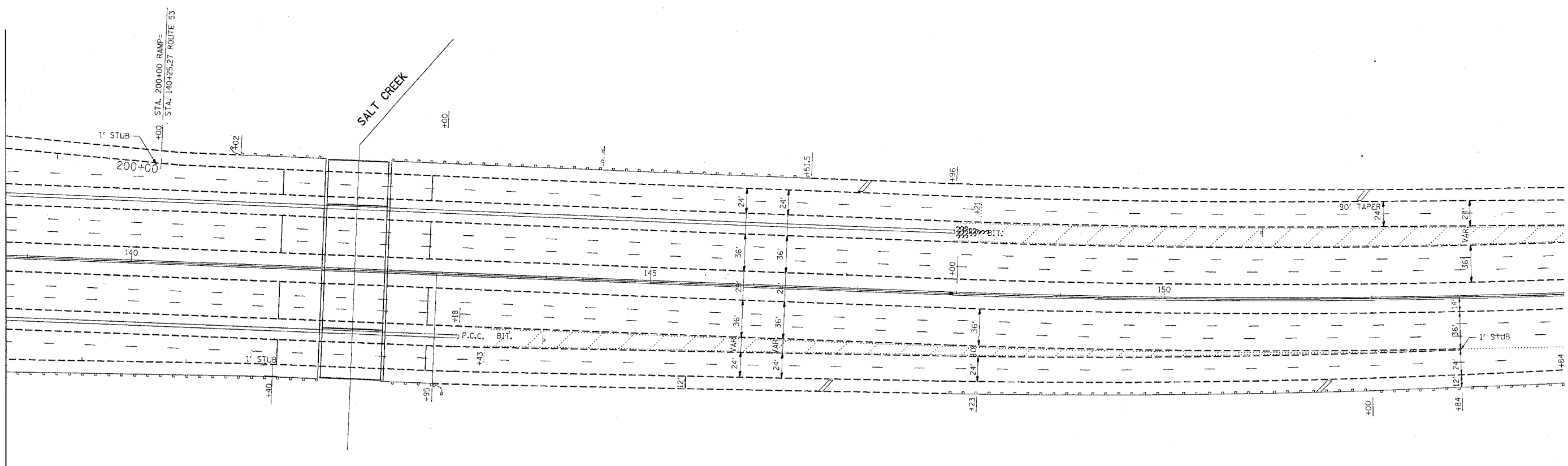
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 2A

SCALE: VERT. _____
 HORIZ. _____

DATE _____

DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	82	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLOT DATE = 5/29/2007
 PLOT SCALE = 1/4" = 100'
 USER NAME = ritchiana

REVISIONS	
NAME	DATE
Revised Sheet	5/30/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL STAGING
 Stage 2A

SCALE: VERT. 1" = 10'
 HORIZ. 1" = 100'
 DATE: DRAWN BY: CHECKED BY:

EXISTING STRUCTURE: S.N. 016-0977

BUILT IN 1970 AS A FOUR SPAN STRUCTURE CONSISTING OF TWO 60" WEB WELDED PLATE GIRDER SPANS AND TWO P.P.C. CONCRETE BEAM APPROACH SPANS CARRYING F.A.I. ROUTE 290 OVER THE NORTHWEST TOLLWAY.

SCOPE OF WORK:

REMOVE THE EXIST. 1 3/4" HOT-MIX ASPHALT SURFACE & HYDRO-SCARIFY 3/4" OF THE CONCRETE SURFACE.

MARK AREAS OF FULL DEPTH REMOVAL.

PERFORM DECK SLAB REPAIRS.

REMOVE PARAPET HANDRAIL, PERFORM PARAPET REPAIRS AND CONSTRUCT CONCRETE PARAPET EXTENSIONS.

REMOVE GUARDRAIL AND REPLACE WITH CONCRETE BARRIER, DOUBLE FACE, 42 IN.

RESEAL OR RECONSTRUCT TRANSVERSE EXPANSION JOINTS, LONGITUDINAL JOINTS AND EXTEND FLOOR DRAINS.

PLACE A 2 1/2" LATEX CONCRETE OVERLAY.

CLEAN DRAINAGE SYSTEM.

PERFORM SUBSTRUCTURE AND SLOPEWALL REPAIRS.

SOUTHBOUND ROADWAY

LOCAL LANES

SOUTHBOUND ROADWAY

EXPRESS LANES

NORTHBOUND ROADWAY

EXPRESS LANES

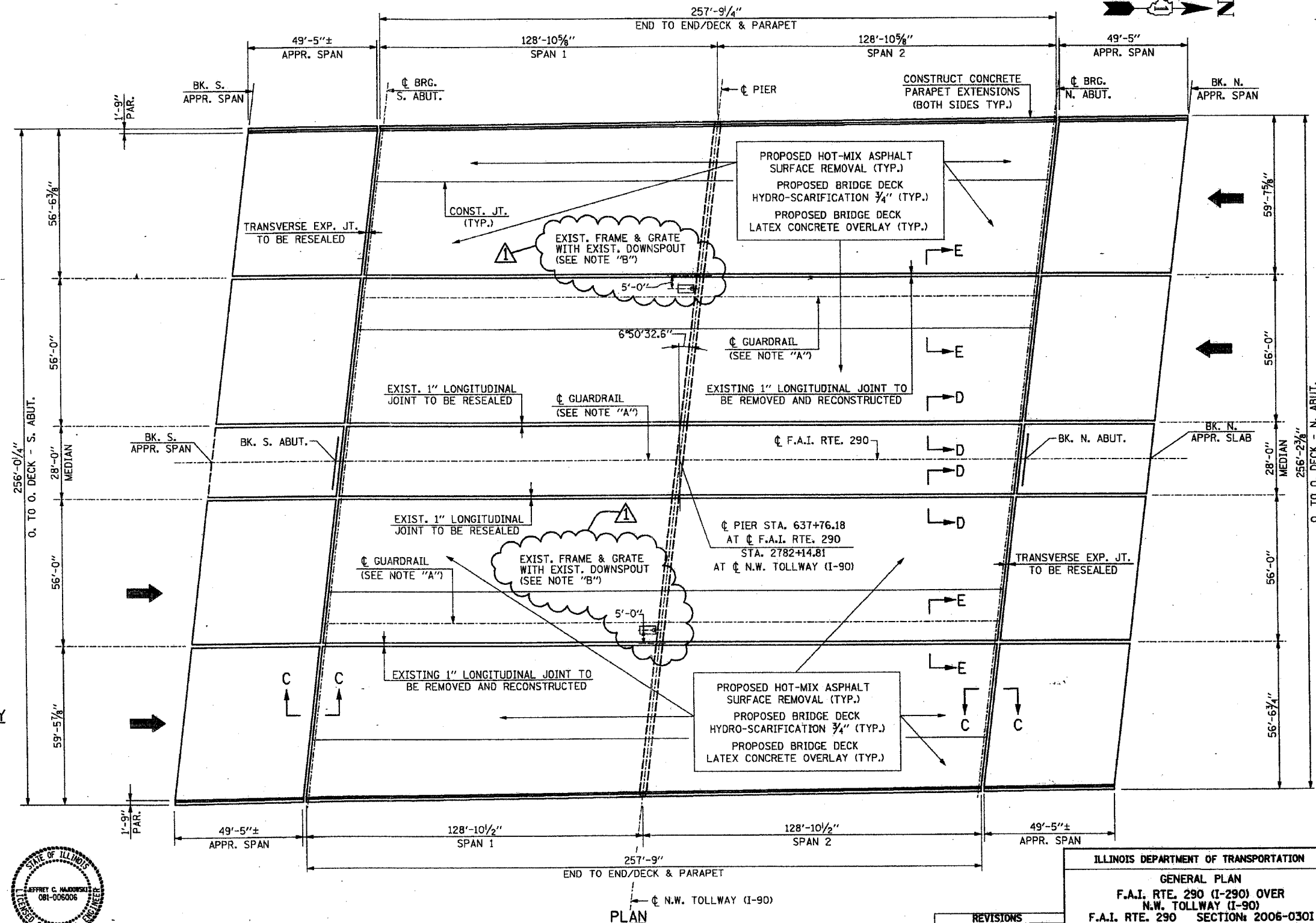
NORTHBOUND ROADWAY

LOCAL LANES

SHEET 51 OF 534

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	COOK	78	38

CONTRACT NO. 60B79



NOTE "B"
 SEE SHT. 12A FOR ADDITIONAL INFORMATION OF THE EXISTING DRAINAGE SYSTEM.
 THE EXISTING DRAINAGE SYSTEM WILL BE CLEANED UNDER PAY ITEM "CLEANING DRAINAGE SYSTEM".



Jeffrey C. Najdowski
 JEFFREY C. NAJDOWSKI
 LICENSED STRUCTURAL ENGINEER
 STATE OF ILLINOIS LIC. No. 081-006006
 EXPIRES: 11-30-08

NOTES:
 FOR SECTIONS C-C AND D-D SEE SHT. S10
 FOR SECTION E-E SEE SHT. S11

NOTE "A":
 GUARDRAIL IS TO BE REMOVED AND REPLACED WITH CONCRETE BARRIER, DOUBLE FACE, 42 IN.

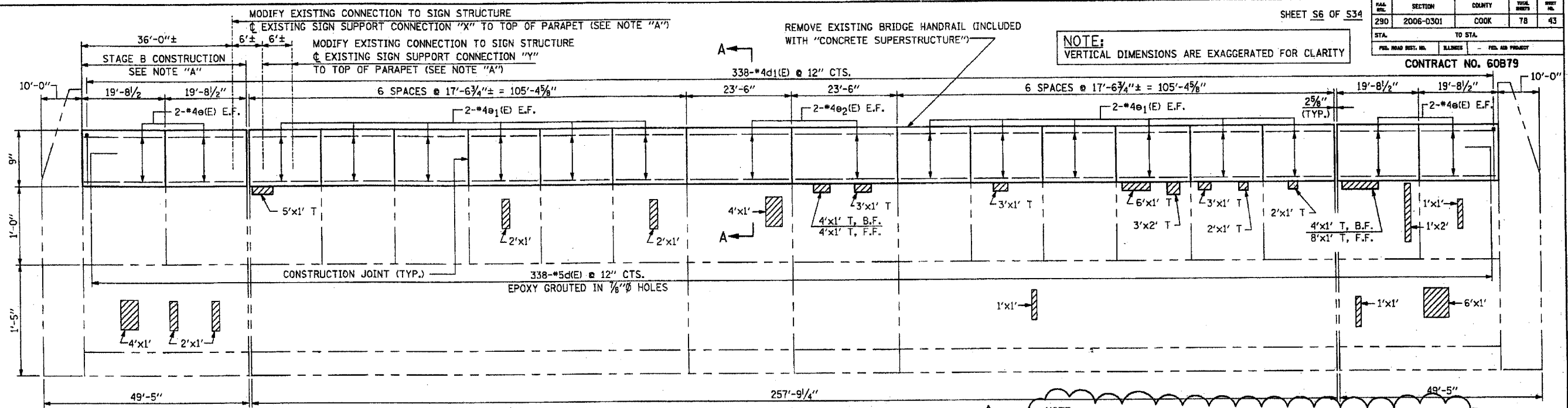
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN
 F.A.I. RTE. 290 (I-290) OVER
 N.W. TOLLWAY (I-90)
 F.A.I. RTE. 290 SECTION: 2006-0301
 COOK COUNTY STATION 637+76.18
 STRUCTURE NO. 016-0977

SCALE: DATE: MAY 10, 2007
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.M.S./J.C.A.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

D-91-428-06

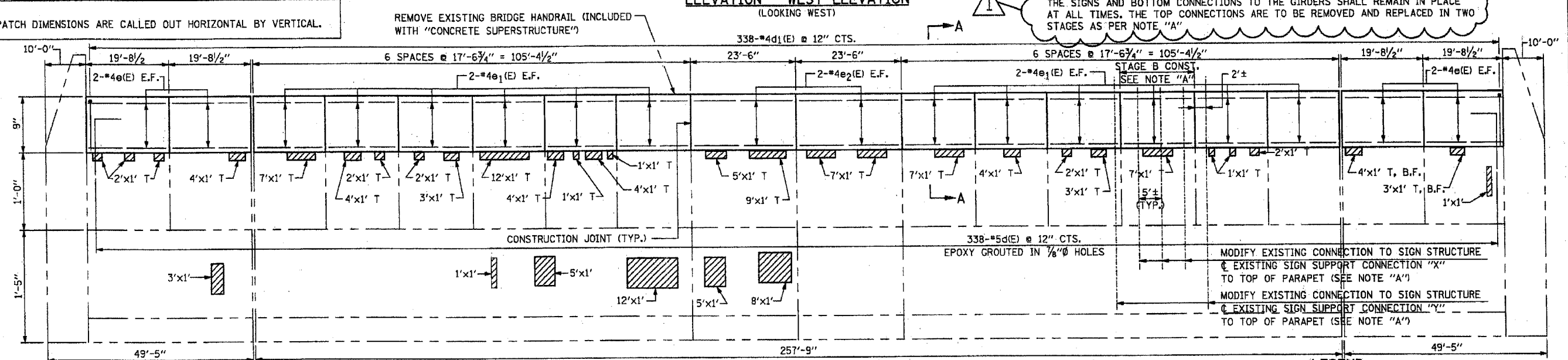
REVISED 6-1-07



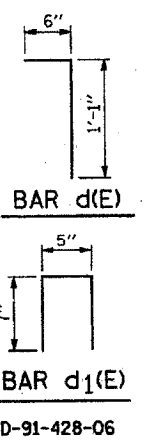
NOTE:
 VERTICAL DIMENSIONS ARE EXAGGERATED FOR CLARITY

NOTE:
 REPAIR PATCH DIMENSIONS ARE CALLED OUT HORIZONTAL BY VERTICAL.

NOTE:
 THE SIGNS AND BOTTOM CONNECTIONS TO THE GIRDERS SHALL REMAIN IN PLACE AT ALL TIMES. THE TOP CONNECTIONS ARE TO BE REMOVED AND REPLACED IN TWO STAGES AS PER NOTE "A"



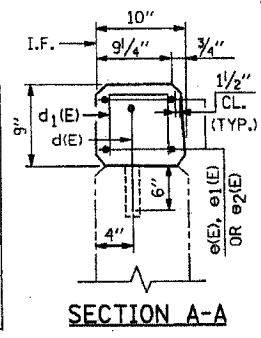
NOTE:
 MODIFY EXISTING CONNECTION TO SIGN STRUCTURE
 @ EXISTING SIGN SUPPORT CONNECTION "X"
 TO TOP OF PARAPET (SEE NOTE "A")
 MODIFY EXISTING CONNECTION TO SIGN STRUCTURE
 @ EXISTING SIGN SUPPORT CONNECTION "Y"
 TO TOP OF PARAPET (SEE NOTE "A")



REINFORCEMENT BAR SCHEDULE				
BAR	NO.	SIZE	LENGTH	SHAPE
d(E)	676	#5	1'-7"	└
d1(E)	676	#4	1'-7"	└
e(E)	32	#4	19'-4"	—
e1(E)	96	#4	17'-2"	—
e2(E)	16	#4	23'-2"	—

NOTES:
 PERFORM T/PARAPET REPAIRS PRIOR TO CONSTRUCTING PARAPET EXTENSIONS.
 CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR NEW CONNECTIONS.

BILL OF MATERIAL		
DESCRIPTION	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SG. FT.	259
CONCRETE SUPERSTRUCTURE	CU. YD.	15
REINFORCEMENT BARS, EPOXY COATED	LB.	3,590
MODIFY EXISTING CONNECTION TO SIGN STRUCTURE	EACH	8



NOTE "A"
 STAGE A: LEAVE IN PLACE SIGN STRUCTURE CONNECTIONS "X" TO TOP OF PARAPET AND REMOVE SIGN STRUCTURE CONNECTIONS "Y" TO TOP OF PARAPET. CONSTRUCT ALL PARAPET EXTENSIONS EXCEPT THOSE LABELLED STAGE B CONST. WHEN STAGE A CONCRETE f'c REACHES 3500PSI, INSTALL IN SAME LOCATION NEW CONNECTION FROM PARAPET TO SIGN SUPPORT AS PER STANDARD BM-1 THRU BM-3 (SHT'S S12B THRU S12D) AS IN DETAIL "A"-SEE STD. BM-3 ON SHT. S12D.
 STAGE B: REMOVE SIGN STRUCTURE CONNECTIONS "X" TO TOP OF PARAPET. CONSTRUCT ALL PARAPET EXTENSIONS LABELLED STAGE B CONST. WHEN STAGE B CONCRETE f'c REACHES 3500PSI, INSTALL IN SAME LOCATION NEW CONNECTION FROM PARAPET TO SIGN SUPPORT AS PER STANDARD BM-1 THRU BM-3 (SHT'S S12B THRU S12D) AS IN DETAIL "A"-SEE STD. BM-3 ON SHT. S12D. INCL. WITH "MODIFY EXISTING CONNECTION TO SIGN STRUCTURE."

LEGEND:
 [Hatched Pattern] STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")
 T, F.F. = TOP & FRONT FACE
 T, B.F. = TOP & BACK FACE
 T = TOP
 E.F. = EACH FACE
 I.F. = INSIDE FACE

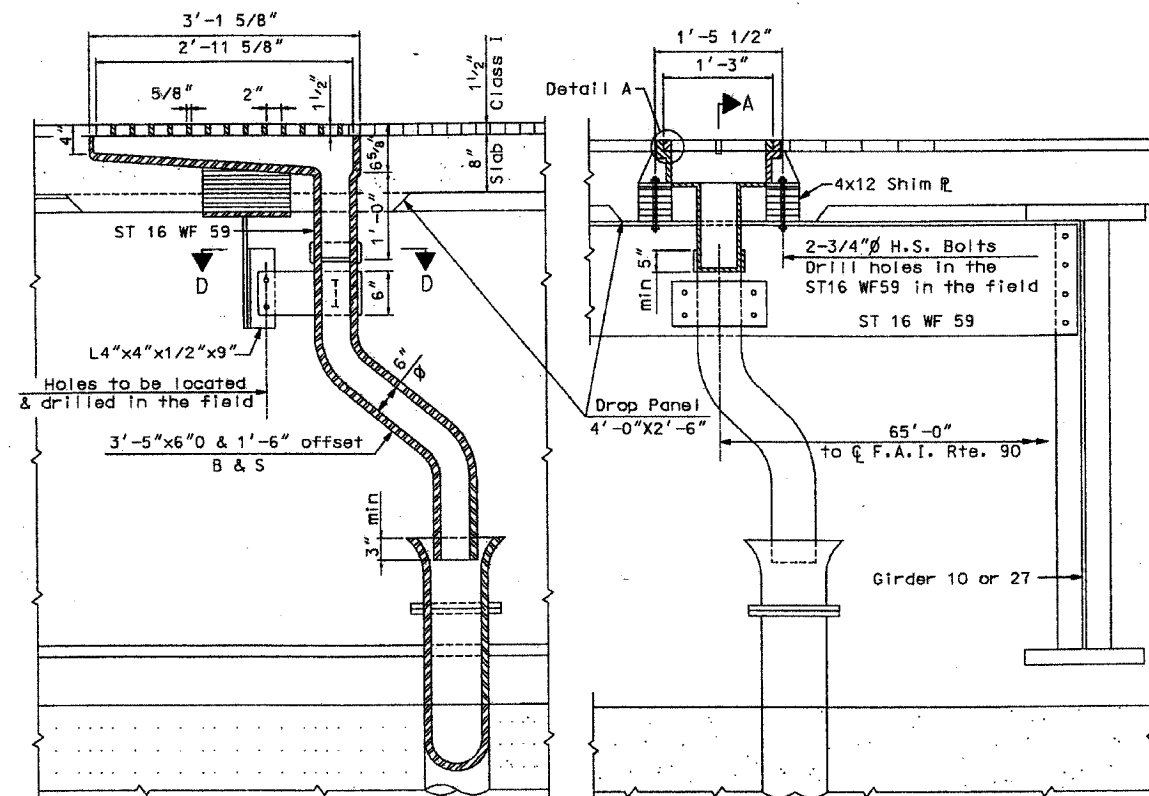
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PARAPET REPAIRS
 F.A.I. RTE. 290 (I-290) OVER
 N.W. TOLLWAY (I-90)
 F.A.I. RTE. 290 SECTION: 2006-0301
 COOK COUNTY STATION 637+76.18
 STRUCTURE NO. 016-0977
 SCALE: DATE: MAY 10, 2007. DRAWN BY: D.L./F.M. CHECKED BY: B.N.S./J.C.N.
 CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

REVISIONS
 NAME DATE
 1
 REVISED 6-1-07

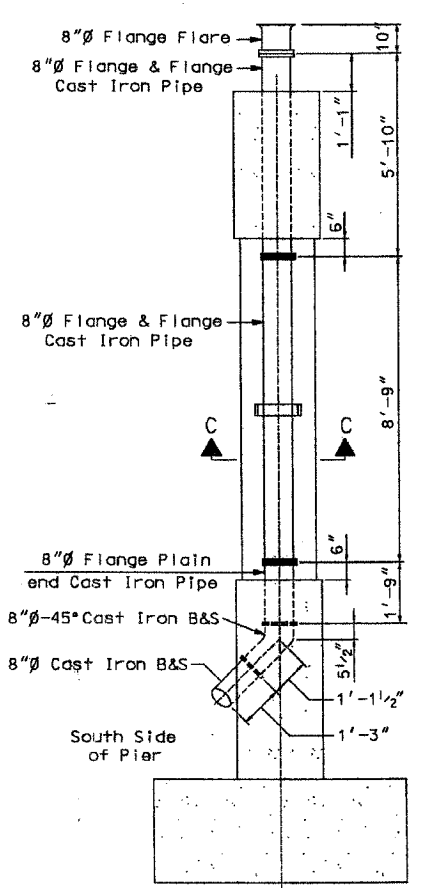
PAL. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-0301	COOK	78	49A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60B79

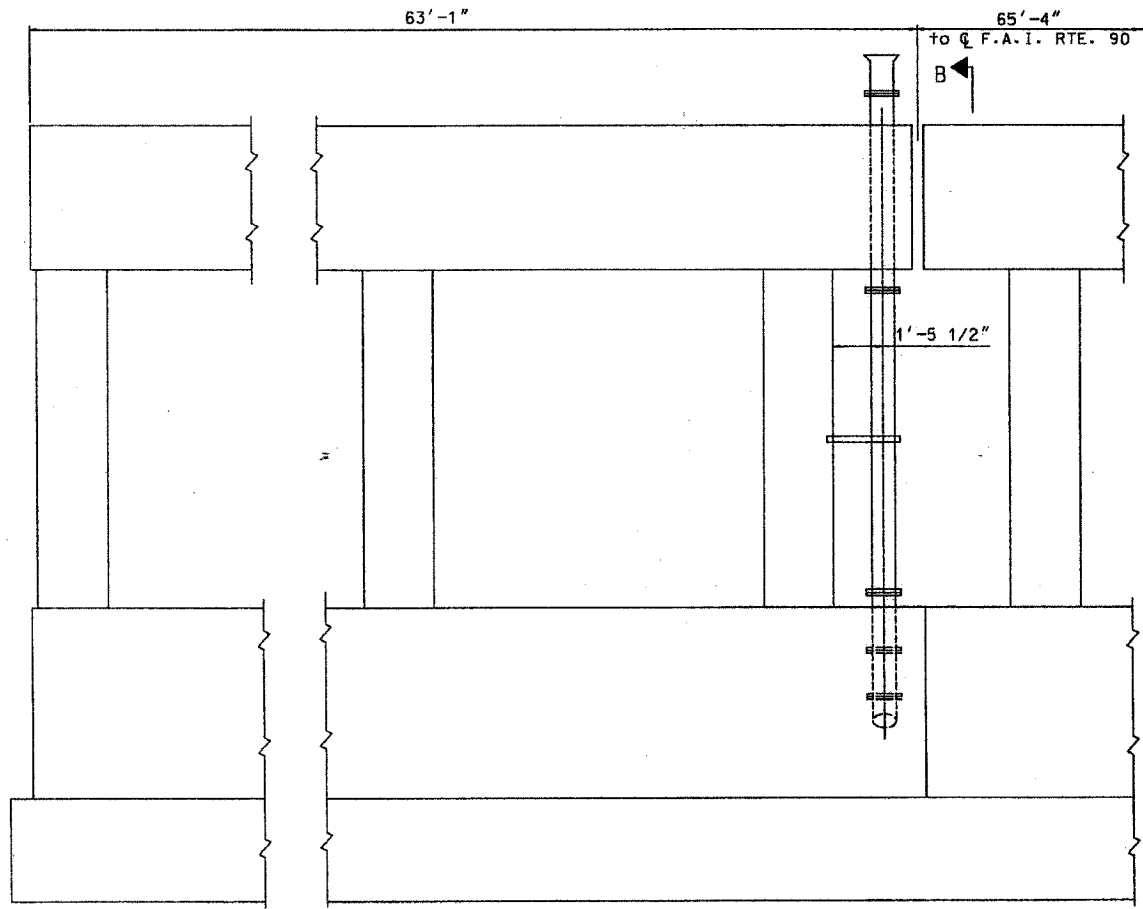


SECTION A-A

ELEVATION DRAIN ASSEMBLY

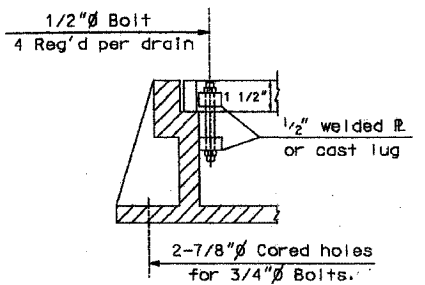


SEC. B-B

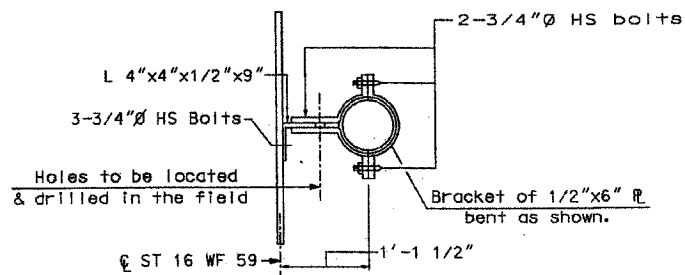


DOWNSPOUT PIPING (South Face)

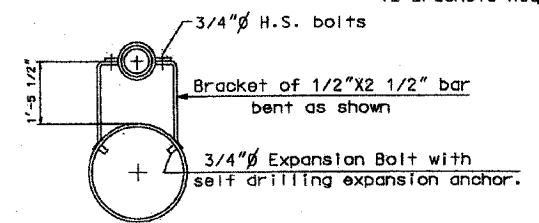
Two req'd. One each of East & West ends of Pier



DETAIL A



SEC. D-D (2 Brackets Required)



SEC. C-C (Bracket of column - 2 req'd.)

Notes:
 Pipe & Fittings shall conform to ASTM Designation ASA B16.1 Nodular Iron Castings.
 Fittings shall be Class 125. Cast Iron Flanged Fittings shall conform to ASA B 16.1. Threaded Fittings shall conform to ASA Std. B16.12.
 For downspouts See Special Provisions.
 Brackets & attaching bolts shall be galvanized by the hot dip process. The zinc coating shall conform to ASTM designation A-153.
 Cost of brackets, bolts, expansion anchors & shims shall be incidental to the cost of cast Iron Downspouts.

Painting of Frames, Grates, Downspouts and brackets shall comply with Articles 509.01 to 509.05 inclusive of the Standard Specifications. One coat of red lead paint and two field coats of aluminum paint shall be applied

BILL OF MATERIAL

Item	Unit	Quantity
Frame & Grates Special	Each	2
Cast Iron Downspouts 6"Ø	Lin Ft	9
Cast Iron Downspouts 8"Ø	Lin Ft	41

FOR INFORMATION ONLY

NOTES:
 THIS SHEET IS A REPRODUCTION OF SHT. NO. 131 OF SHT. NO. 294 DONE IN 1968 FOR CONTRACT 26517 AND IS INTENDED FOR INFORMATION ONLY REGARDING PAY ITEM "CLEANING DRAINAGE SYSTEM".
 F.A.I. RTE. 90. AS INDICATED ON THIS SHEET. IS NOW F.A.I. RTE. 290.

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING DRAINAGE SYSTEM
 F.A.I. RTE. 290 (I-290) OVER
 N.W. TOLLWAY (I-90)
 F.A.I. RTE. 290 SECTION: 2006-0301
 COOK COUNTY STATION 637+76.18
 STRUCTURE NO. 016-0977

SCALE: NONE
 DATE: MAY 10, 2007

DRAWN BY: D.L./F.M.
 CHECKED BY: B.H.S./J.C.N.

CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

REVISIONS	
NAME	DATE

GENERAL NOTES

SPECIFICATIONS:

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications") (2)

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

MINIMUM CLEARANCE: 3" greater than bridge members at all locations. (All Obstructions)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 Structural Welding Code (Steel) and the Standard Specifications.

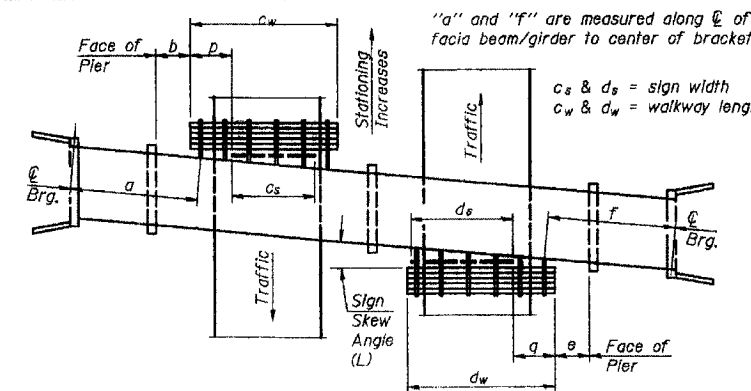
MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.
All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 (M183, M223 Gr. 50).

HIGH STRENGTH BOLTS: All bolts, washers, nuts and locknuts shall satisfy the requirements of ASTM designation A307 unless noted as "H.S." which shall require AASHTO M164 (A325), ASTM A449, or approved alternate. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.

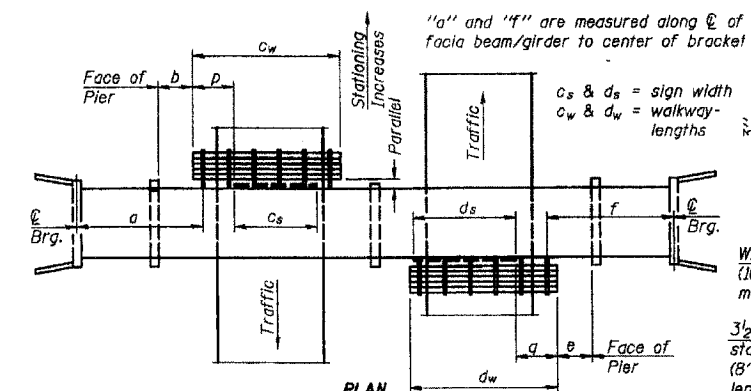
GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: All-threaded rod conforming to ASTM A307, 3/4" ϕ x 12" long, each with one plate washer and locknut and be hot dip galvanized per AASHTO M232. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

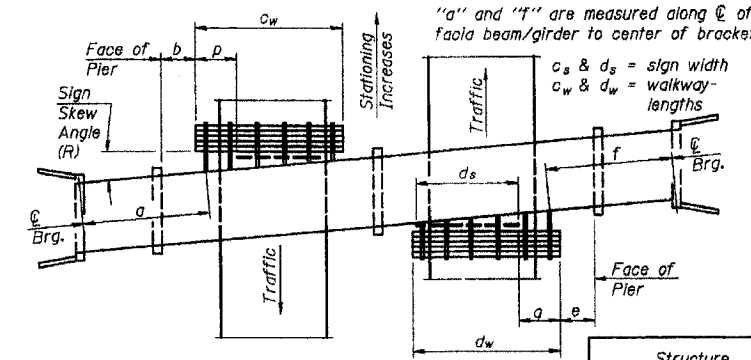
CONTRACT NO. 60B79



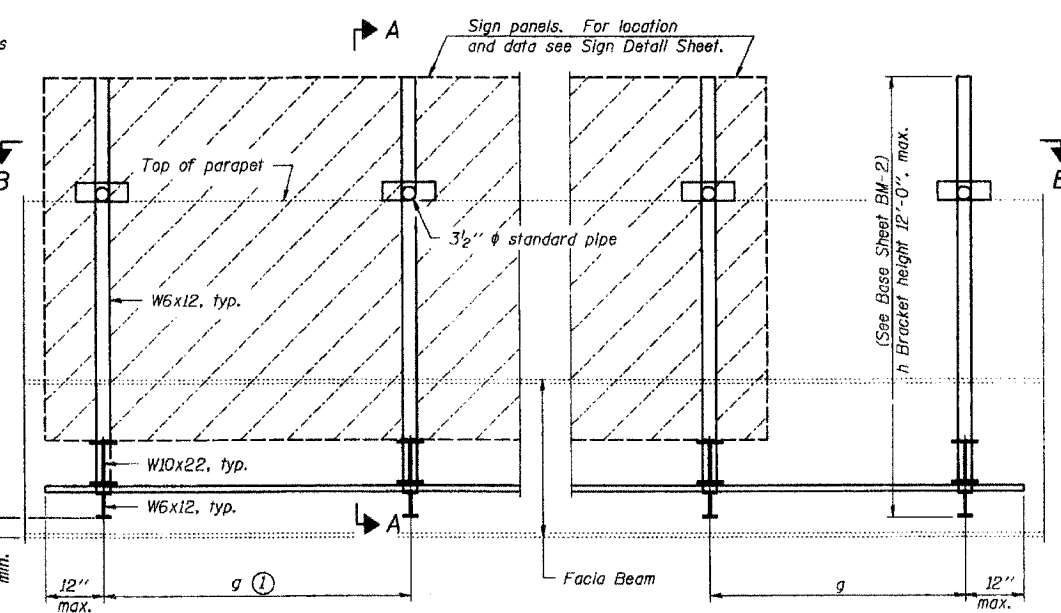
PLAN
(Left Sign Skew > 15°)
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath structure varies.)



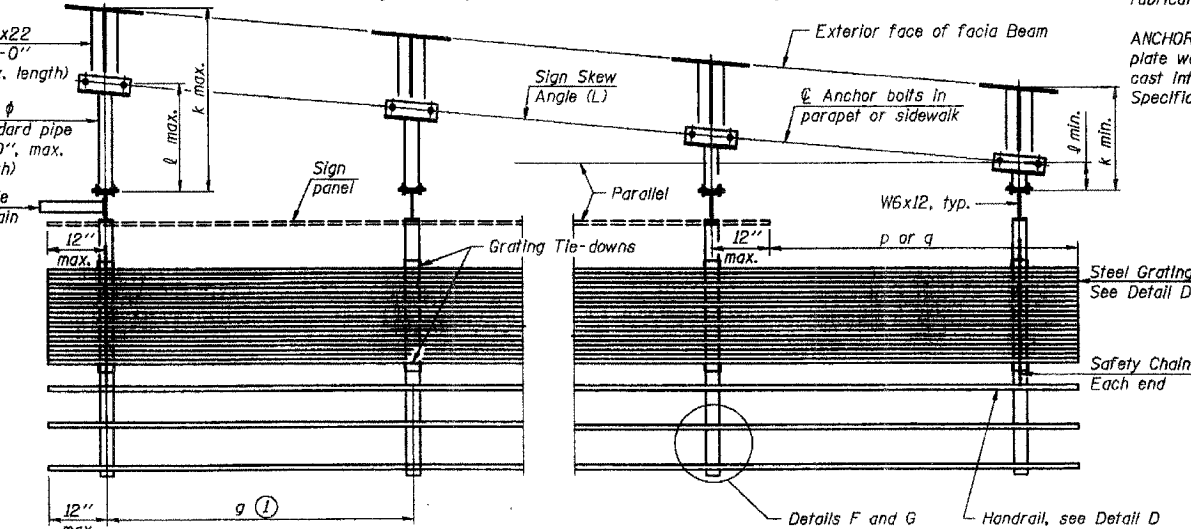
PLAN
(For Sign Skew \leq 15°, all brackets constant)
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath structure varies.)



PLAN
(Right Sign Skew > 15°)
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath structure varies.)



TYPICAL FRONT ELEVATION
(With lights, safety chain and handrail omitted for clarity.)



SECTION B-B
(Shown: Left Sign Skew > 15°)

- ① Bracket spacing $g \leq 6'-0"$, max. Spacing shall be uniform if possible but may vary $\pm 6"$ to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures.
- ② Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.
- ③ Unit price includes grating, handrail, brackets, supports, anchor bolts, fasteners, fabrication, delivery, erection, field drilling and other necessary items. Limits of payment are based on grating length (c_w , d_w) unless otherwise specified. For Safety Chain Details and Details D, F and G, see Base Sheet BM-4.
- ④ If walkway bracket at safety chain location is behind sign, add angle to bracket. See detail on Base Sheet BM-4.

NUMBER	REVISION	DATE

TOTAL BILL OF MATERIAL

③ OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	Foot	
--	------	--

Structure Number	Sign Skew Angle (L) or (R)	Bridge Station	Bridge Structure Number	Contract Route Designation	a	b	c _s	c _w	d _s	d _w	e	f	g	No. of Brackets (Total)	p	q	Total Grating/Hndrl. Lengths (c _w + d _w)

Dimensions a, b, e, f & g may vary as approved by the Engineer, see ①.
When $c_w < c_s$ and/or $d_w < d_s$, use alternate brackets without walkway supports where applicable, see ③.

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

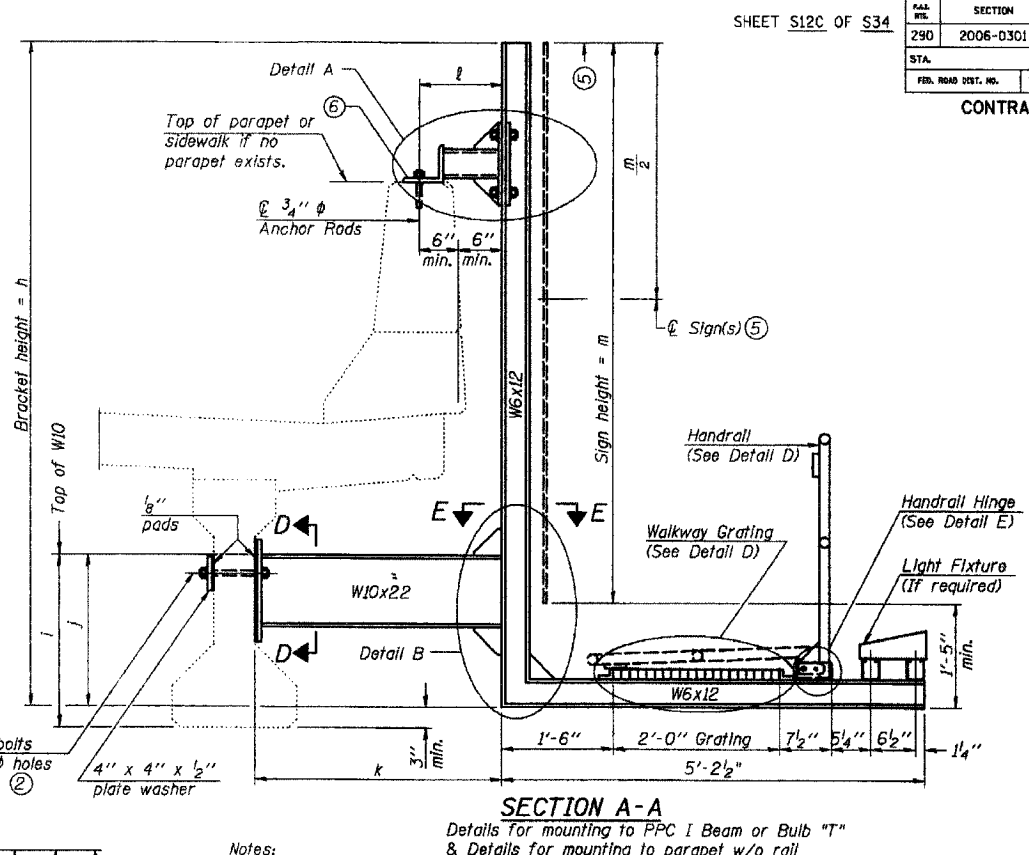
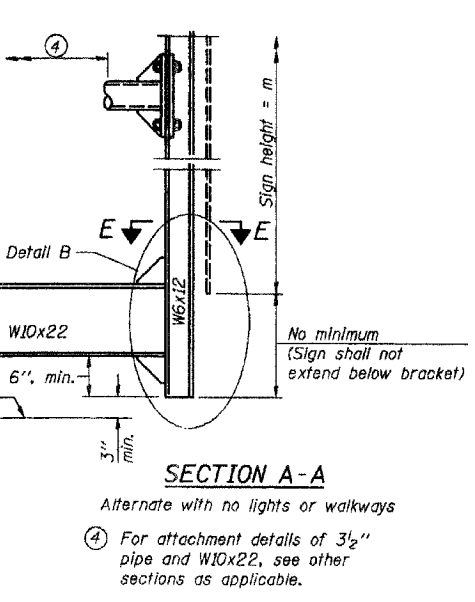
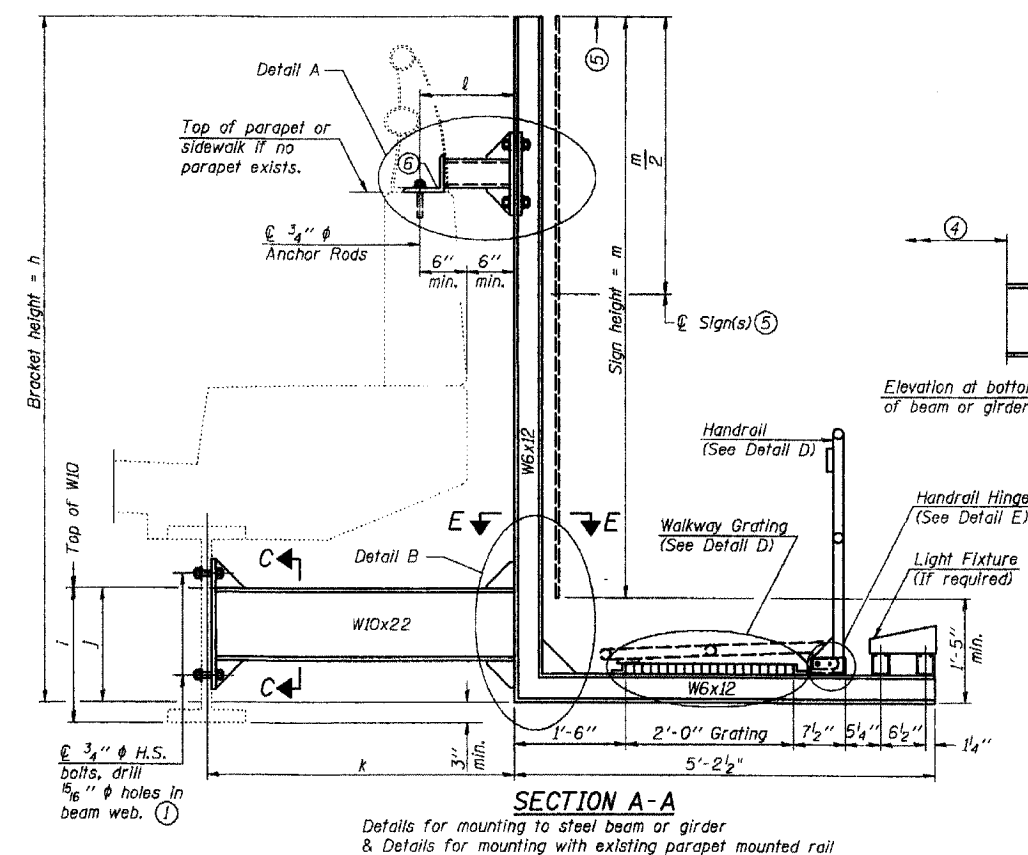
ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE MOUNT SIGN STRUCTURES
 GENERAL PLAN AND ELEVATION
 F.A.I. RTE. 290 (I-290) OVER
 N.W. TOLLWAY (I-90)
 F.A.I. RTE. 290 SECTION: 2006-0301
 COOK COUNTY STATION 637+76.18
 STRUCTURE NO. 016-0977

SCALE: NONE
 DATE: MAY 10, 2007
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./J.C.N.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

BM-1 6/01/2007

D-91-428-06

ADDED SHEET 6-1-07

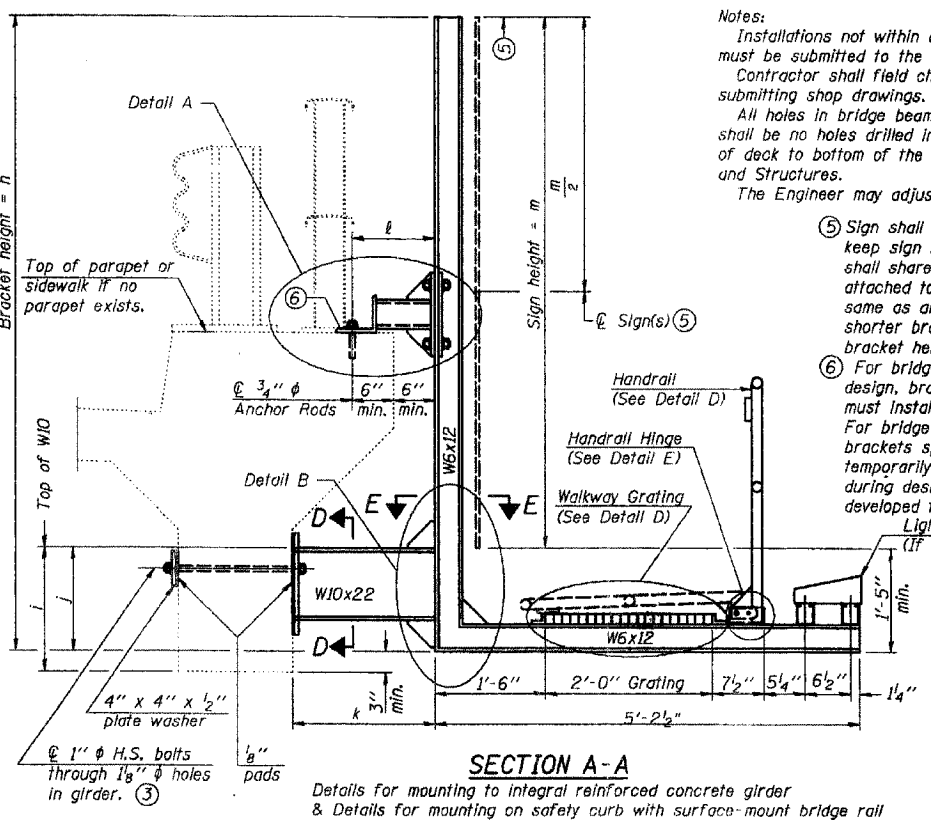


Structure Number	Station	h	l	j	k max. (10'-0" max.)	l max. (8'-0" max.)	m (15'-0" max.)

For Details A & B, Sections C-C, D-D and E-E, see Base Sheet BM-3.
 For Details D & E, see Base Sheet BM-4.

- Holes in new steel members may be drilled in the fabrication shop or in the field. Field drill existing members.
- For new PPC I beams, holes shall be formed during casting. For existing PPC I beams, prestressing strand locations shall be determined and spaced to miss strands by 6", min. Minimize spalling during field drilling of existing beams.
- For new construction, form holes. For existing RC beams, locate primary reinforcement and space holes to miss by 6", min. Minimize spalling and concrete fracturing/damage during field drilling of existing concrete. Spalls over 1/4" deep or beyond the coverage of the 4x4 plate washer shall be repaired with epoxy mortar before installing washer.

NUMBER	REVISION	DATE



Notes:
 Installations not within dimensional limits shown require special analysis for all components and must be submitted to the Bureau of Bridges and Structures for approval.
 Contractor shall field check all pertinent existing bridge dimensions shown on plans before submitting shop drawings.
 All holes in bridge beams or girders should be located in the middle half of the member. There shall be no holes drilled in the lower quarter of the member's depth. (For R.C. girder, depth = bottom of deck to bottom of the girder.) Proposed exceptions must be approved by the Bureau of Bridges and Structures.
 The Engineer may adjust dimension "h" to meet the above condition and to keep the sign level.

- Sign shall not extend more than 6" above top of bracket, and this dimension may vary to keep sign level if bridge is on grade or vertical curve. Multiple signs of various heights shall share a common horizontal centerline and use equal bracket heights. If no sign is attached to a W6x12 vertical (bracket only supporting walkway), dimension h shall be the same as an adjacent bracket with a sign attached, unless Engineer specifically directs shorter brackets due to locational restraints on future uses. (See Detail A for minimum bracket height.)
- For bridge mounted sign structures installed on new bridges with railing, during design, bracket spacing must be coordinated with railing post spacing and the Contractor must install upper brackets prior to railing installation.
 For bridge mounted sign structures installed on existing bridges with railing, during design, brackets spacing must be coordinated with railing post spacing and the Contractor must temporarily remove sections of railing to facilitate upper bracket installation. If it is determined during design that existing railings can't be removed, alternate upper connection details must be developed for the contract plans and approved by the Bureau of Bridges and Structures.

FOR INFORMATION ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION
 BRIDGE MOUNT SIGN STRUCTURES
 WALKWAY AND CONNECTION DETAILS
 F.A.I. RTE. 290 (I-290) OVER
 N.W. TOLLWAY (I-90)
 F.A.I. RTE. 290 SECTION: 2006-0301
 COOK COUNTY STATION 637+76.18
 STRUCTURE NO. 016-0977

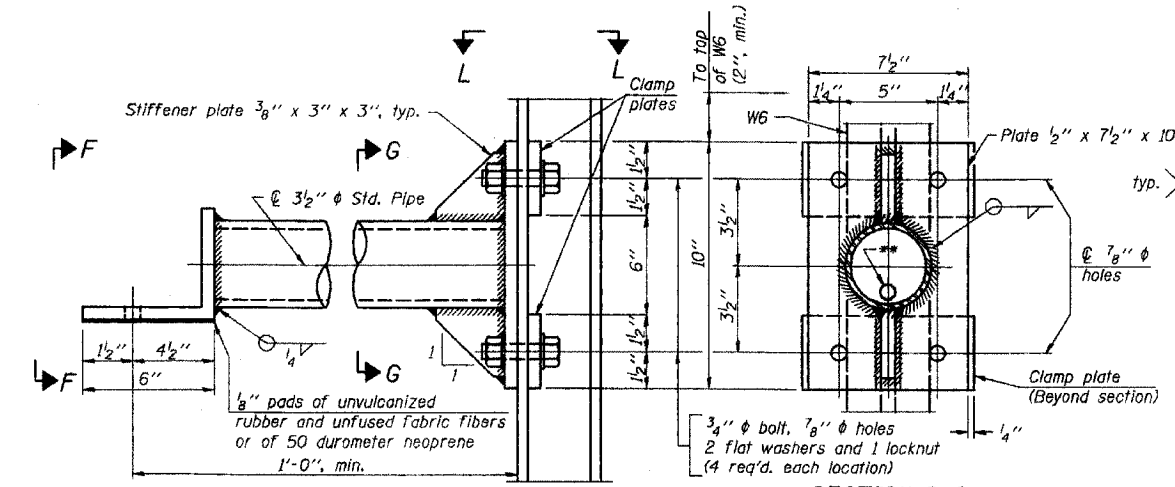
SCALE: NONE
 DATE: MAY 10, 2007
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./J.C.N.

CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

REVISIONS	
NAME	DATE

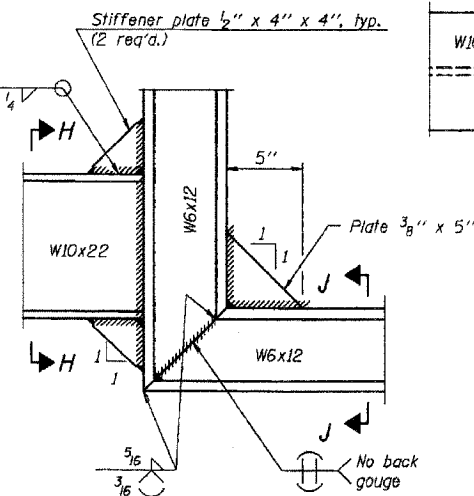
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
290	2006-0301	COOK
78	49D	

CONTRACT NO. 60B79

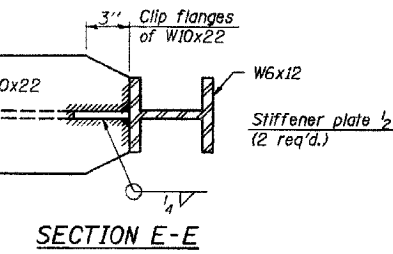


DETAIL A

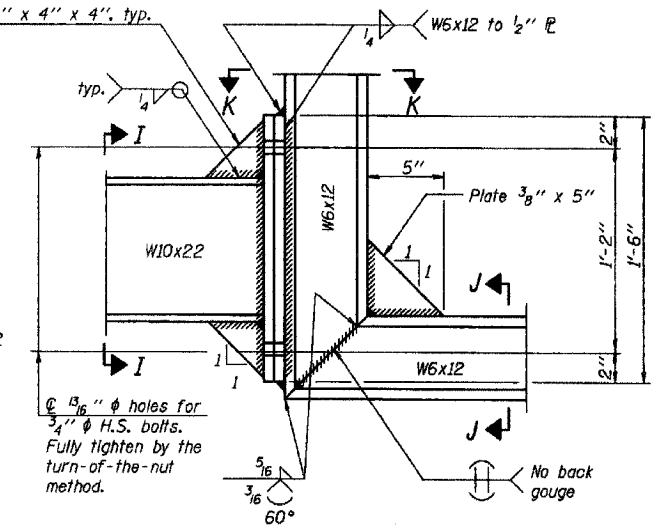
SECTION G-G



DETAIL B - WELDED W10x22 TO W6x12 CONNECTION

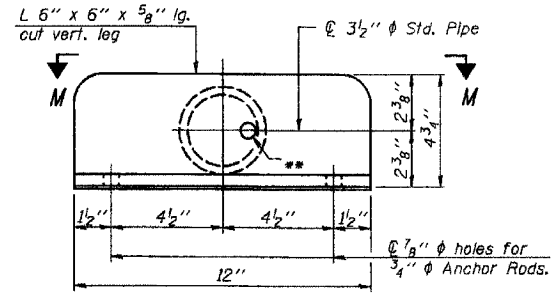


SECTION E-E

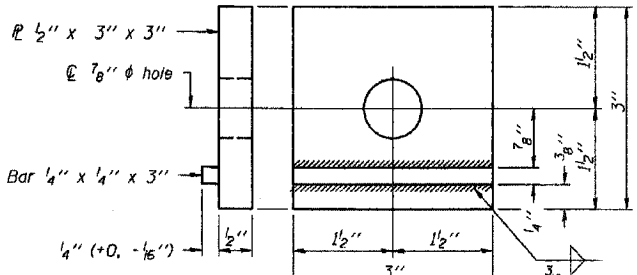


DETAIL B - ALTERNATE BOLTED W10x22 TO W6x12 CONNECTION

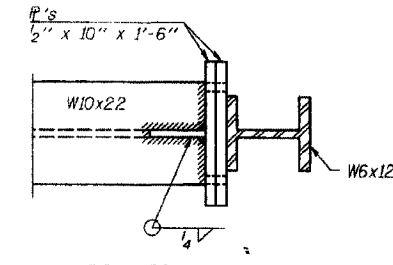
Alternate may be substituted by contractor to facilitate construction or galvanizing, especially on long struts for skewed bridges.



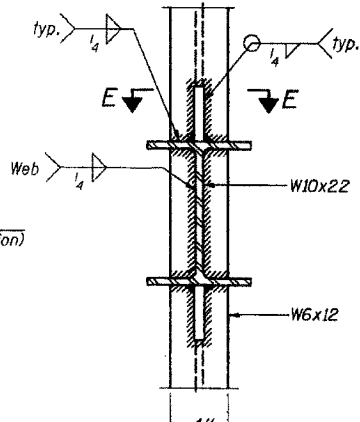
VIEW F-F



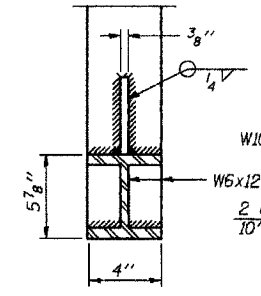
CLAMP PLATE DETAILS



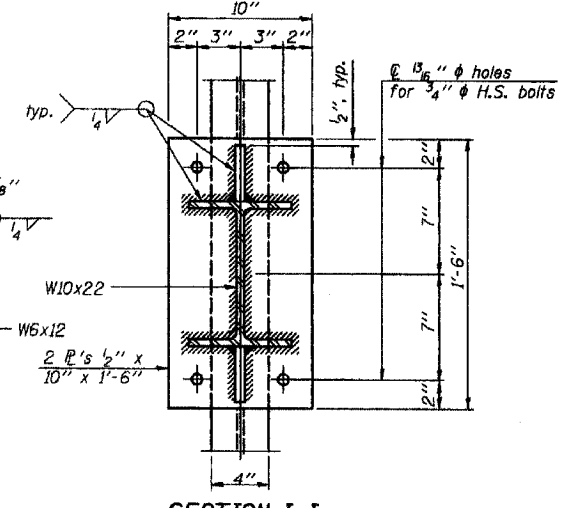
SECTION K-K



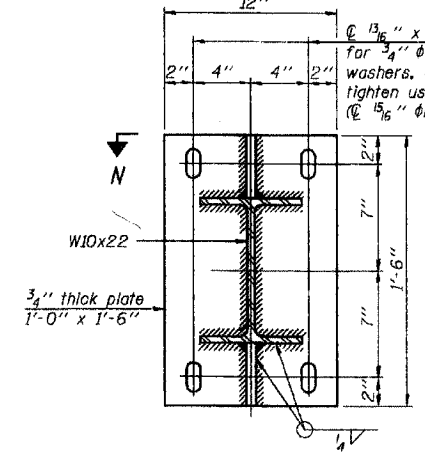
SECTION H-H



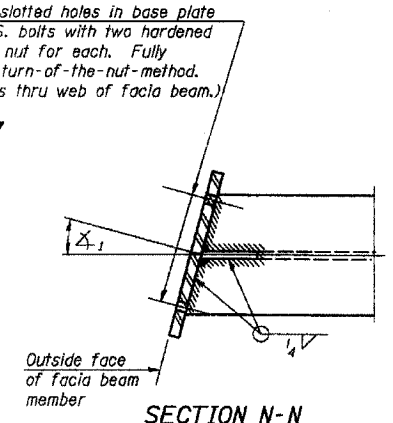
SECTION J-J



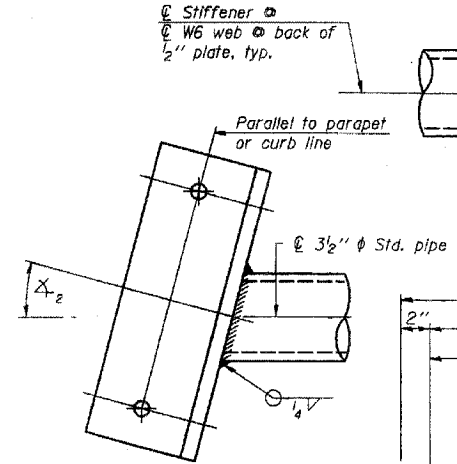
SECTION I-I



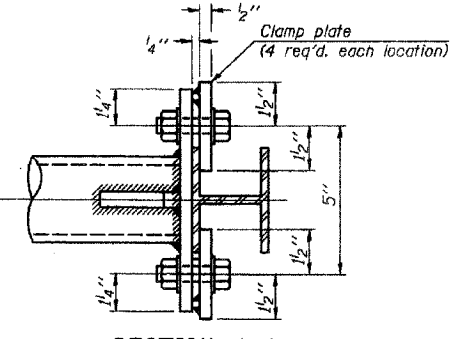
SECTION C-C
Steel beam or girder connection plate details



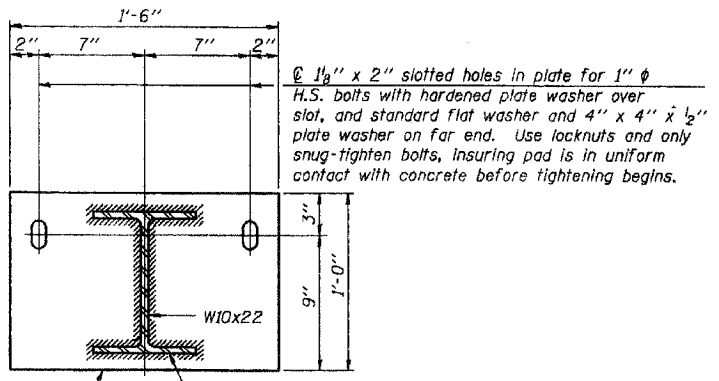
SECTION N-N
Skewed connection detail for W10x22 to fascia beam.



SECTION M-M
Skewed connection detail for 3/2\"/>



SECTION L-L



SECTION D-D
Concrete beam or girder connection plate details.

Note: For constant slab overhang at fascia beam, $\Delta_1 = \Delta_2 =$ sign angle. For flared beams or other special cases where $\Delta_1 \neq \Delta_2$, $\Delta_1 =$ sign angle.

NUMBER	REVISION	DATE

FOR INFORMATION ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION
 BRIDGE MOUNT SIGN STRUCTURES CONNECTION DETAILS
 F.A.I. RTE. 290 (I-290) OVER N.W. TOLLWAY (I-90)
 F.A.I. RTE. 290 SECTION: 2006-0301
 COOK COUNTY STATION 637+76.18
 STRUCTURE NO. 016-0977

SCALE: NONE
 DATE: MAY 10, 2007
 DRAWN BY: D.L./F.M.
 CHECKED BY: B.N.S./J.C.N.

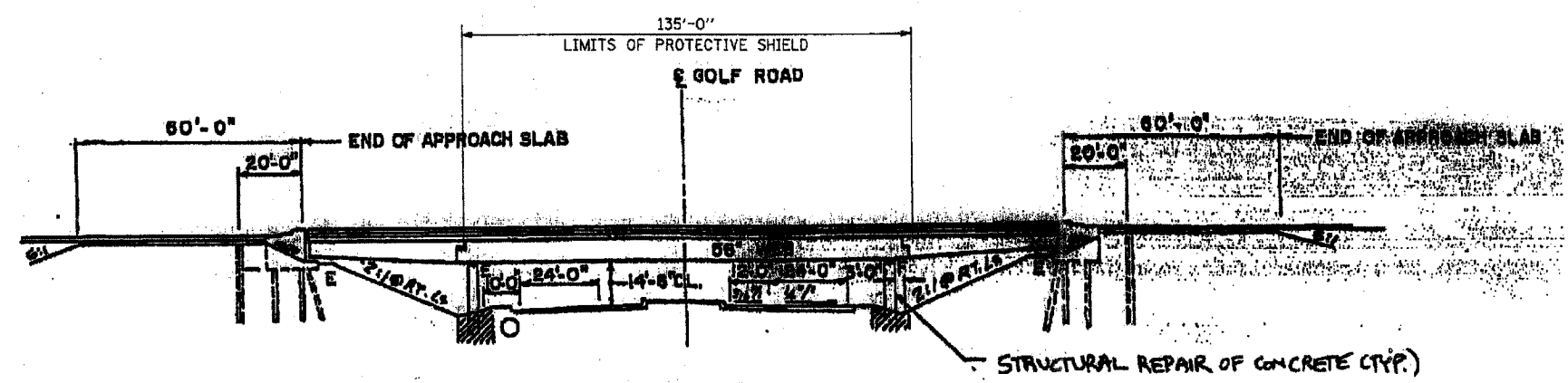
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

REVISIONS	
NAME	DATE

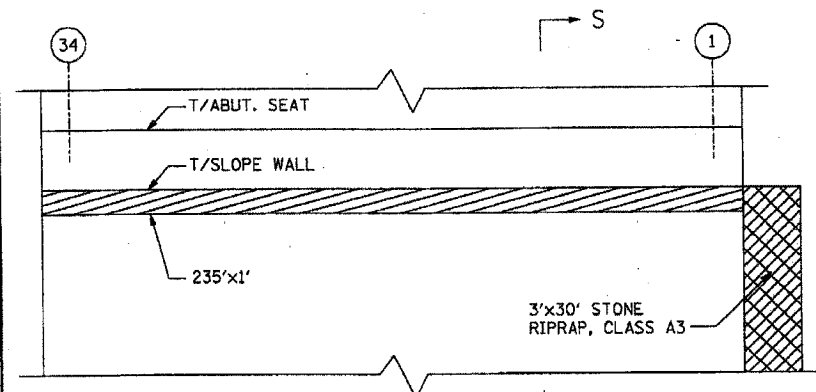
BM-3 6/01/2007

FILE NO.	SECTION	COUNTY	FEEL SHEETS	SHEET NO.
290	2006-0301	COOK	78	51
STA. TO STA.		FEEL. AND PROJECT		

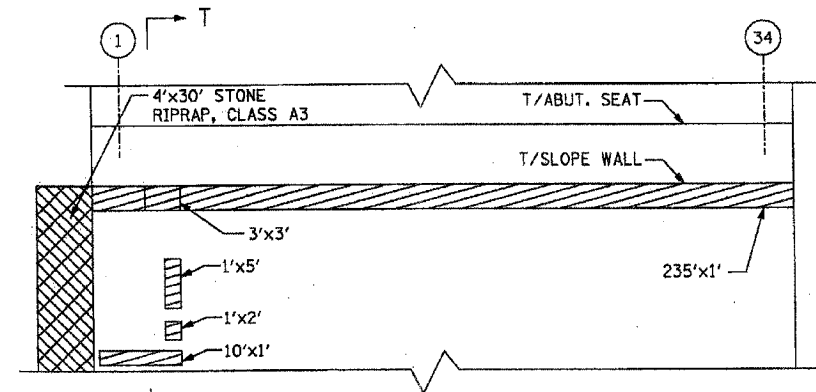
CONTRACT NO. 60B79



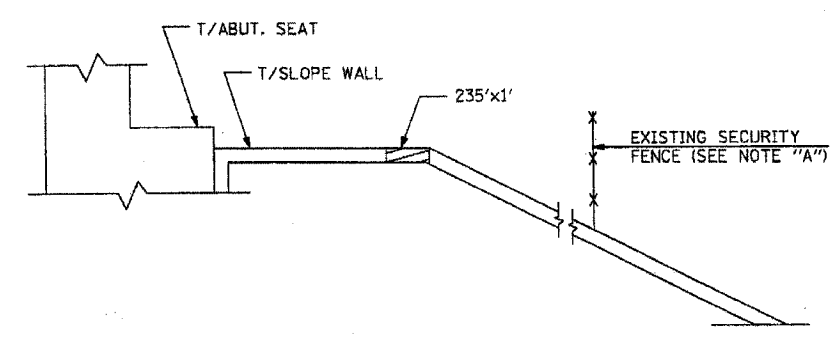
ELEVATION



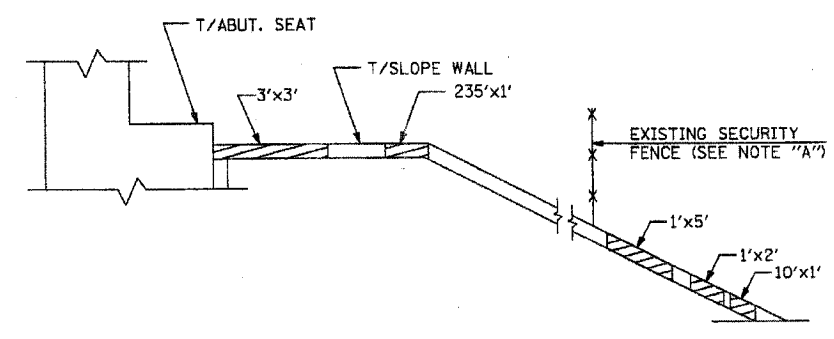
SOUTH ABUTMENT SLOPE WALL ELEVATION



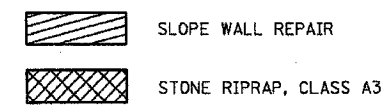
NORTH ABUTMENT SLOPE WALL ELEVATION



SECTION S-S



SECTION T-T



NOTE "A":
 PRIOR TO BEGINNING WORK, CONTRACTOR SHALL DETERMINE WHETHER EXISTING SECURITY FENCE CONFLICTS WITH SLOPE WALL REPAIR. CONTRACTOR SHALL REMOVE AND REPLACE PORTIONS OF THE FENCE IF NECESSARY. COST INCLUDED WITH "SLOPE WALL REPAIR"

GENERAL NOTES:

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE BID FOR THE WORK.
2. THE CONTRACTOR MUST USE EXTREME CAUTION DURING CONCRETE REMOVAL AND MUST NOT NICK, CUT OR DAMAGE IN ANY WAY, ANY OF THE STEEL BEAMS. THE EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.
3. ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO CLASSIFICATION M-270, GR. 36 UNLESS OTHERWISE NOTED.
4. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.
5. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-706, GR. 60 (IL. MODIFIED). SEE SPECIAL PROVISIONS.
6. REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

BILL OF MATERIAL		
DESCRIPTION	UNIT	QUANTITY
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ. YD.	5,609
PROTECTIVE SHIELD	SQ. YD.	3,510
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ. FT.	290
EPOXY CRACK INJECTION	FT.	137
POLYMER CONCRETE	CU. FT.	45
SILICONE JOINT SEALER, 1"	FT.	456
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2" INCHES	SQ. YD.	5,609
SILICONE JOINT SEALER, 2 1/2"	FT.	239
SILICONE JOINT SEALER, 1 3/4"	FT.	239
BRIDGE DECK HYDRO-SCARIFICATION 3/4"	SQ. YD.	5,609
FLOOR DRAINS	EACH	20
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ. YD.	10
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ. YD.	91
SLOPE WALL REPAIR	SQ. YD.	56
CONCRETE REMOVAL	CU. YD.	63
REINFORCEMENT BARS, EPOXY COATED	LB.	19,530
CONCRETE SUPERSTRUCTURE	CU. YD.	90
GUARDRAIL REMOVAL	FT.	683
TEMPORARY CONCRETE BARRIER	FT.	910
RELOCATE TEMPORARY CONCRETE BARRIER	FT.	1,365
CONCRETE BARRIER, DOUBLE FACE, 42 IN.	FT.	683
STONE RIPRAP, CLASS A3	SQ. YD.	24
MODIFY EXISTING CONNECTION TO SIGN STRUCTURE	EACH	1
REMOVE AND RE-ERECT BRIDGE MOUNTED SIGN	EACH	1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ELEVATION AND GENERAL NOTES
 F.A.I. RTE. 290 (I-290) OVER
 GOLF ROAD
 F.A.I. RTE. 290 SECTION: 2006-0301
 COOK COUNTY STATION 612+95.92
 STRUCTURE NO. 016-0980

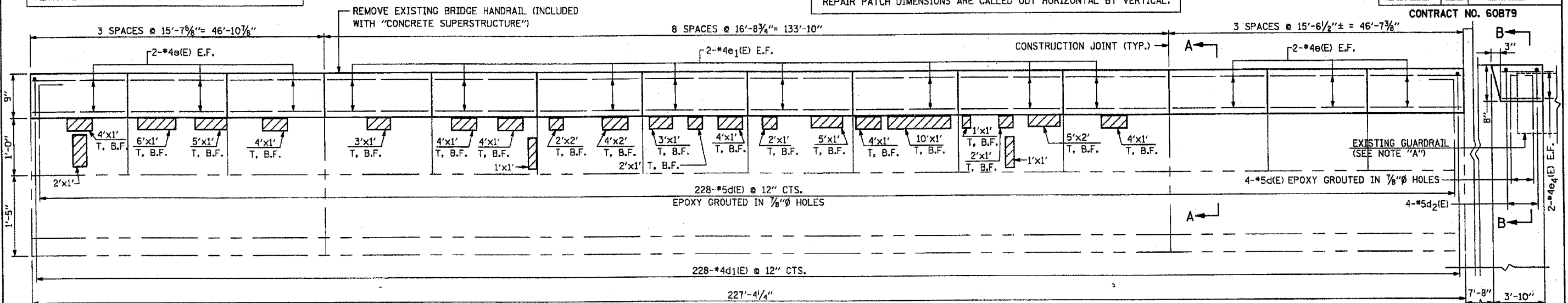
SCALE: DATE: MAY 10, 2007 DRAWN BY: D.L./F.M. CHECKED BY: B.N.S./J.C.N.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

PAL. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-0301	COOK	78	55
STA.	TO STA.		FED. AID PROJECT	

CONTRACT NO. 60B79

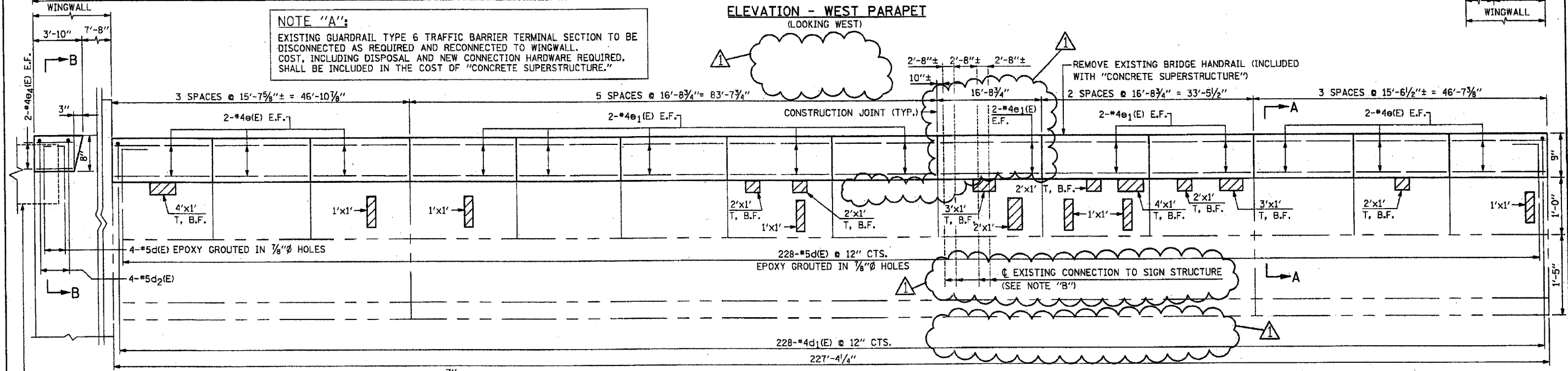
NOTE:
VERTICAL DIMENSIONS ARE EXAGGERATED FOR CLARITY

NOTE:
REPAIR PATCH DIMENSIONS ARE CALLED OUT HORIZONTAL BY VERTICAL.



NOTE "A":
EXISTING GUARDRAIL TYPE 6 TRAFFIC BARRIER TERMINAL SECTION TO BE DISCONNECTED AS REQUIRED AND RECONNECTED TO WINGWALL. COST, INCLUDING DISPOSAL AND NEW CONNECTION HARDWARE REQUIRED, SHALL BE INCLUDED IN THE COST OF "CONCRETE SUPERSTRUCTURE."

ELEVATION - WEST PARAPET
(LOOKING WEST)



ELEVATION - EAST PARAPET
(LOOKING WEST)

NOTE:
PERFORM T/PARAPET REPAIRS PRIOR TO CONSTRUCTING PARAPET EXTENSIONS.

NOTE "B":
THE SIGN AND ITS SUPPORTS SHALL BE REMOVED FROM THE PARAPET DURING CONSTRUCTION. COST IS INCLUDED WITH "REMOVE AND RE-ERECT BRIDGE MOUNTED SIGN". SEE SH. S18A.

LEGEND:

STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")

T, F.F. = TOP & FRONT FACE

T, B.F. = TOP & BACK FACE

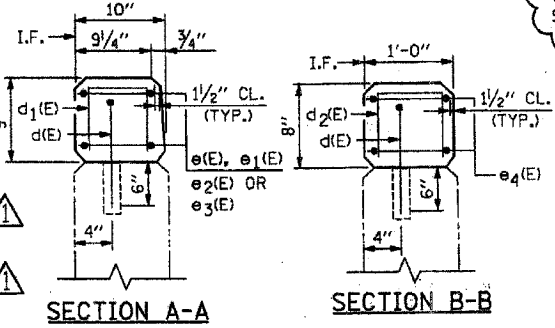
T = TOP

E.F. = EACH FACE

I.F. = INSIDE FACE

REINFORCEMENT BAR SCHEDULE				
BAR	NO.	SIZE	LENGTH	SHAPE
d(E)	464	#5	1'-7"	└
d1(E)	456	#4	1'-7"	└
d2(E)	8	#4	1'-7"	└
e(E)	48	#4	15'-2"	—
e1(E)	64	#4	16'-4"	—
e4(E)	8	#4	3'-3"	—

BILL OF MATERIAL		
DESCRIPTION	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ. FT.	150
CONCRETE SUPERSTRUCTURE	CU. YD.	12
REINFORCEMENT BARS, EPOXY COATED	LB.	2,460
MODIFY EXISTING CONNECTION TO SIGN STRUCTURE	EACH	1
REMOVE AND RE-ERECT BRIDGE MOUNTED SIGN	EACH	1



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PARAPET REPAIRS

F.A.I. RTE. 290 (I-290) OVER GOLF ROAD

F.A.I. RTE. 290 SECTION 2006-0301

COOK COUNTY STATION 612+95.92

STRUCTURE NO. 016-0980

SCALE: DATE: MAY 10, 2007

DRAWN BY: D.L./F.M. CHECKED BY: B.N.S./J.C.N.

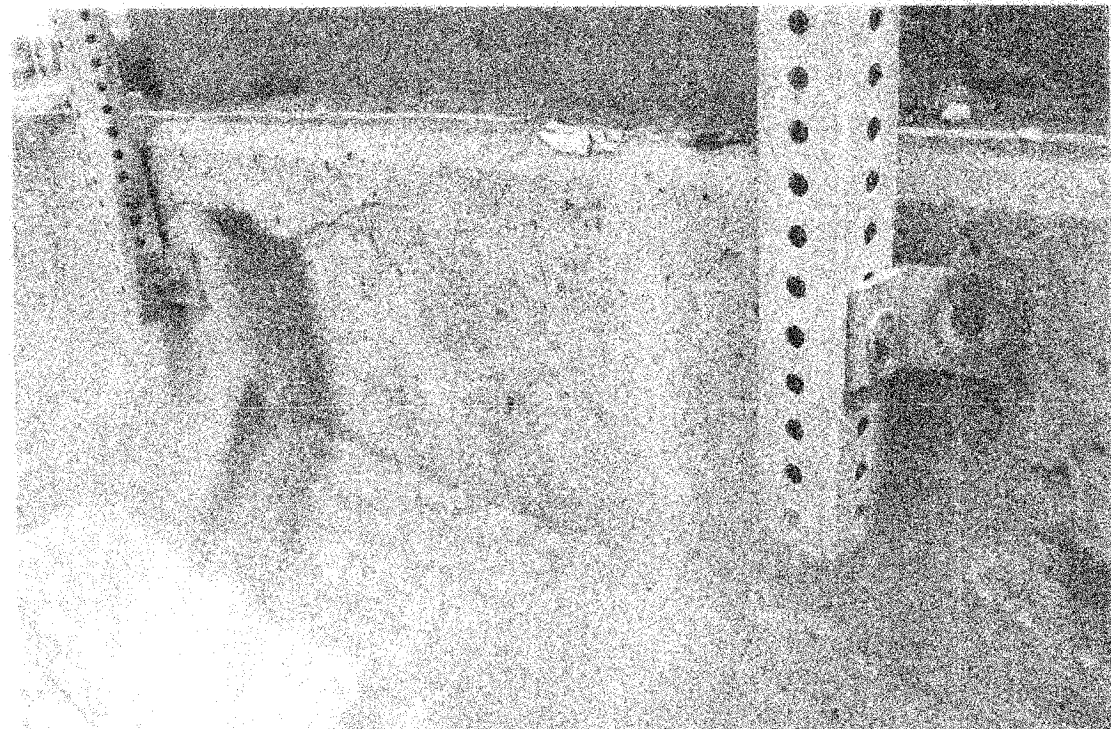
CHRISTIAN-ROGE & ASSOC., INC. CHICAGO ILLINOIS

D-91-428-06

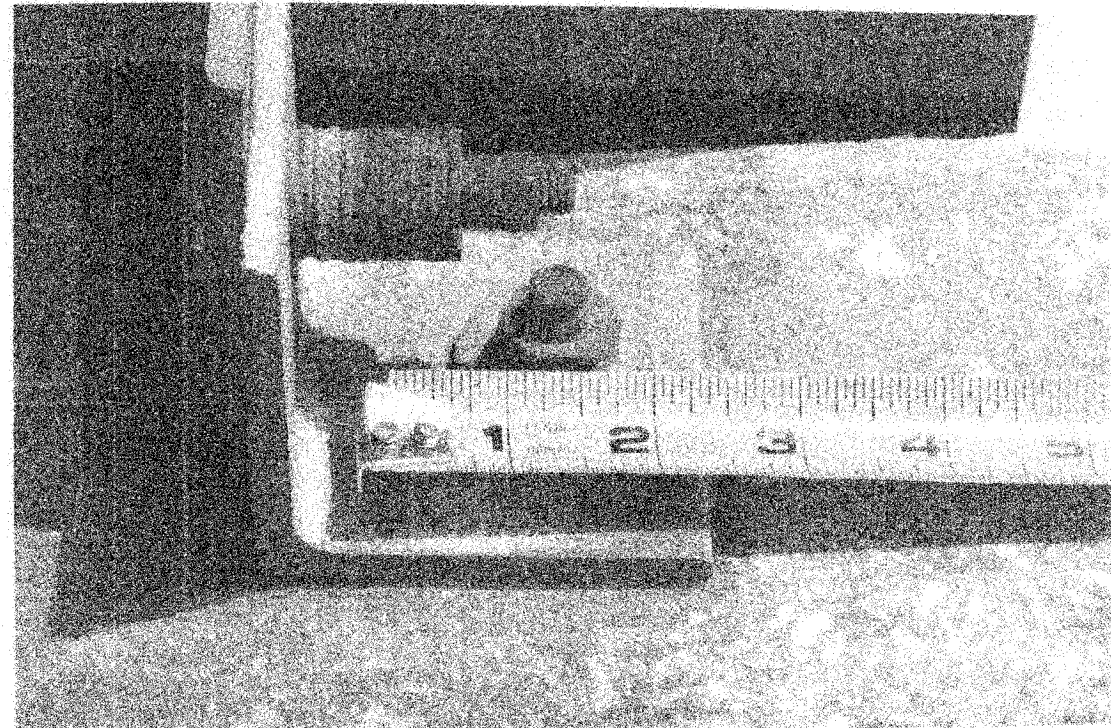
REVISED 6-1-07

F.A.I. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-0301	COOK	78	55A
STA.	TO STA.			
FED. ROAD DIST. NO.	EL. POINT	FED. AID PROJECT		

CONTRACT NO. 60879



EAST PARAPET ELEVATION
 (SHOWING CONNECTIONS TO INSIDE FACE OF PARAPET)
 (LOOKING EAST)



TOP OF EAST PARAPET
 (SHOWING CONNECTIONS TO TOP OF PARAPET)

NOTE:
 THE SIGN AND ITS SUPPORTS SHALL BE REMOVED FROM THE PARAPET DURING CONSTRUCTION. COST IS INCLUDED WITH "REMOVE AND RE-ERECT BRIDGE MOUNTED SIGN". SEE SHJ. S18.

D-91-428-06

△ ADDED SHEET 6-1-07

REVISIONS	
NAME	DATE

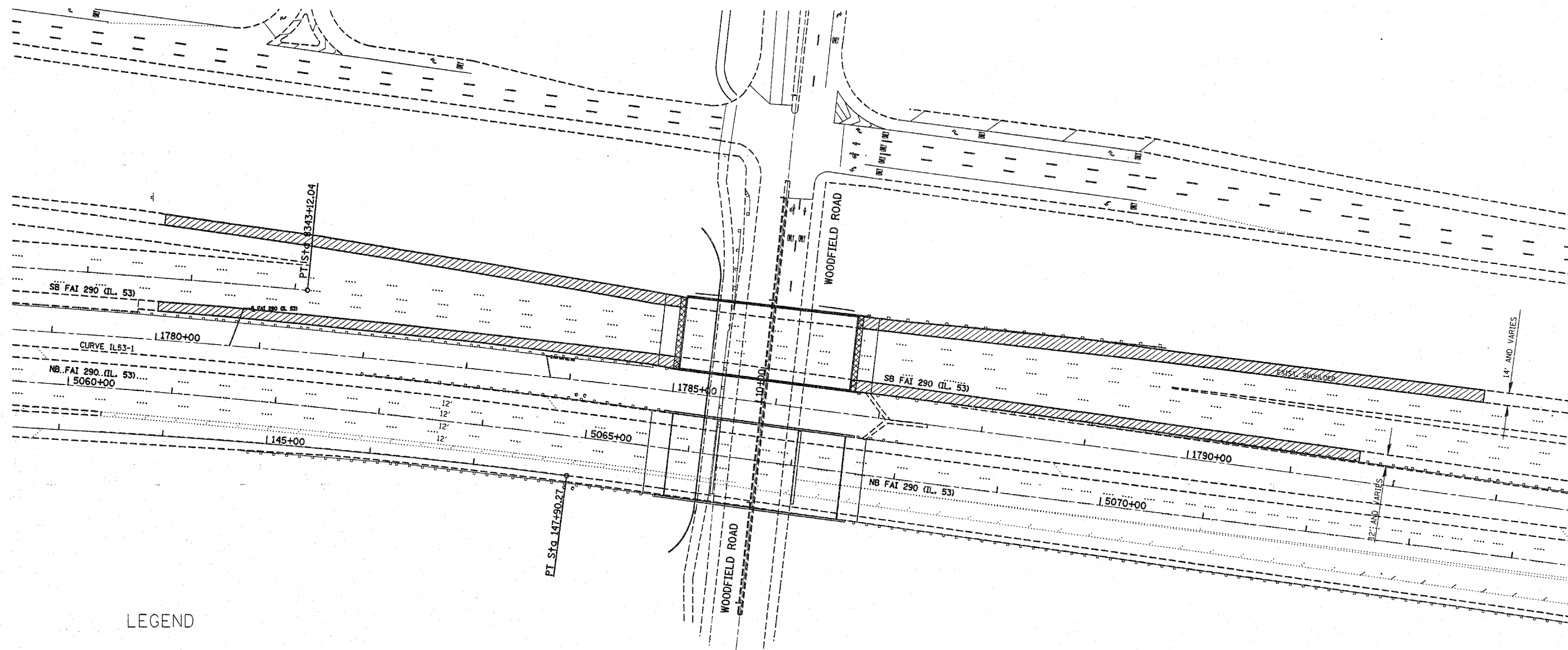
ILLINOIS DEPARTMENT OF TRANSPORTATION
 REMOVAL AND RE-ERECTION OF SIGN
 F.A.I. RTE. 290 (I-290) OVER
 GOLF ROAD
 F.A.I. RTE. 290 SECTION: 2006-0301
 COOK COUNTY STATION 612+95.92
 STRUCTURE NO. 016-0980

SCALE: NONE
 DATE: MAY 10, 2007

DRAWN BY: DL/VJM
 CHECKED BY: B.M.S./J.C.M.

CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	78	71
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROP. HMA SURFACE REMOVAL 1-1/2"
PROP. HMA SURFACE COURSE, MIX "D", N70
PROP. SHOULDER RUMBLE STRIP (TO BE INSTALLED AFTER STAGE CONSTRUCTION)
- PROP. HMA SURFACE REMOVAL 2"
PROP. HMA SURFACE COURSE, MIX "F", N105

HOT-MIX ASPHALT - Mix Selection

Code Number	Item Description	Unit	AC Type	Percent Air Voids	MAX RAP %	Lift Thickness	Unit Weight Lbs/SqYd/in
Surface Course							
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	PG 64-22	4% @ 70 Gyr.	10/15	1"	112
40603600	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N105	TON	SBS/SBR PG 76-22	4% @ 105 Gyr.	10	2"	112

NOTE

HMA RESURFACING OF THE EXISTING ROADWAY SHOULDERS SHALL BE LIMITED TO AREAS WHERE TRAFFIC HAS TO BE WEAVED INTO THE SHOULDER FOR STAGING. SHOULDER RESURFACING SHALL BE COMPLETED PRIOR TO STAGE CONSTRUCTION.

REVISIONS	
NAME	DATE
A Revised Sheet	5/20/13

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS
I-290/IL. 53 AT
WOODFIELD DR.

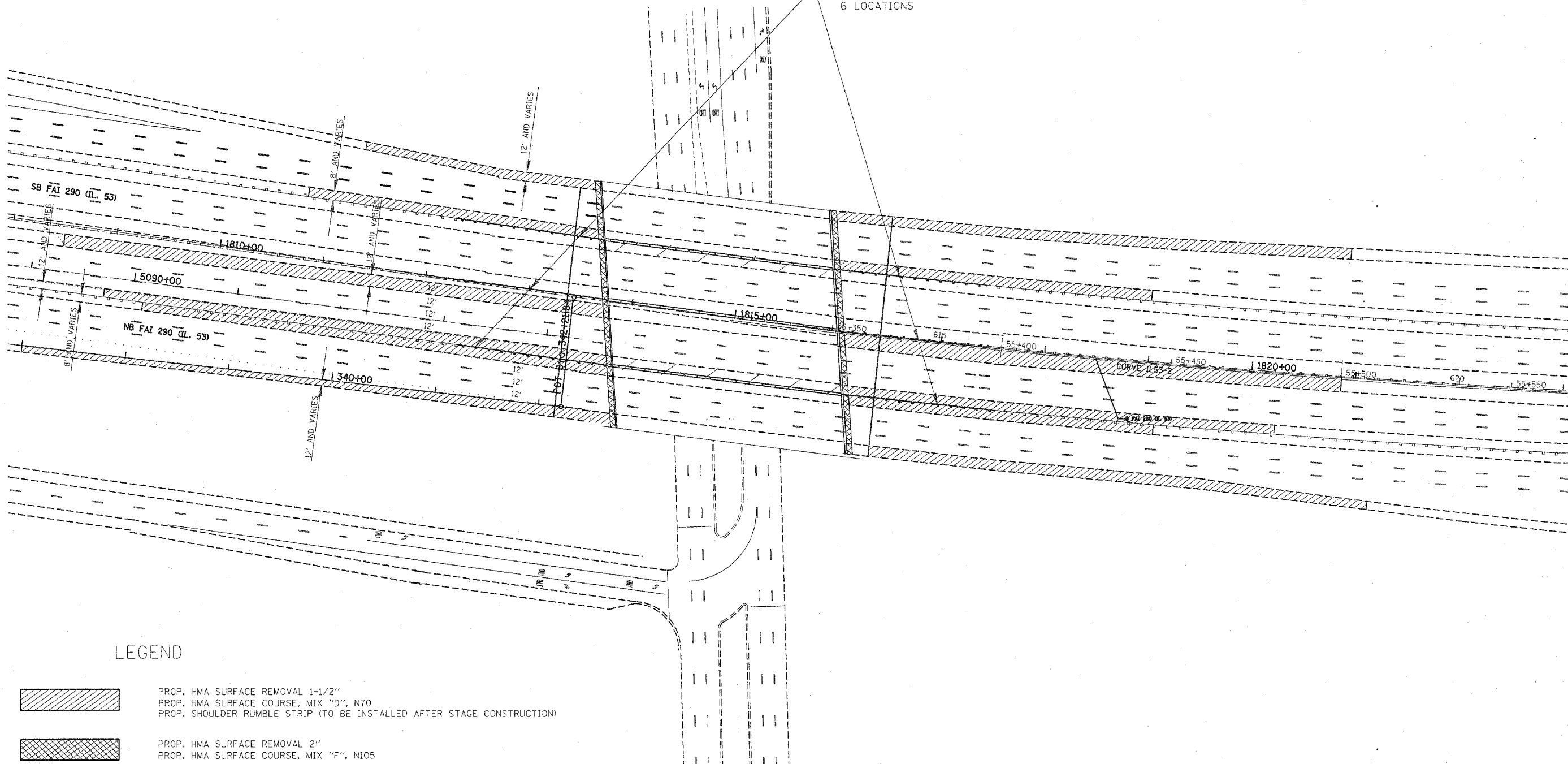
SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

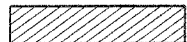

PLOT DATE = 5/30/2013
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 PLOT SCALE = 51.88888 / 1" = 100'
 USER NAME = ritchie

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 1	COOK	78	72
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PROP. TRAFFIC BARRIER TERMINAL TYPE 6 - 1 EACH
 PROP. STEEL PLATE BEAM GUARDRAIL, TYPE D - 100 L.F.
 6 LOCATIONS



LEGEND

-  PROP. HMA SURFACE REMOVAL 1-1/2"
 PROP. HMA SURFACE COURSE, MIX "D", N70
 PROP. SHOULDER RUMBLE STRIP (TO BE INSTALLED AFTER STAGE CONSTRUCTION)
-  PROP. HMA SURFACE REMOVAL 2"
 PROP. HMA SURFACE COURSE, MIX "F", N105

NOTE

HMA RESURFACING OF THE EXISTING ROADWAY SHOULDERS SHALL BE LIMITED TO AREAS WHERE TRAFFIC HAS TO BE WEAVED INTO THE SHOULDER FOR STAGING. SHOULDER RESURFACING SHALL BE COMPLETED PRIOR TO STAGE CONSTRUCTION.

REVISIONS	
NAME	DATE
Revised sheets	9/30/07

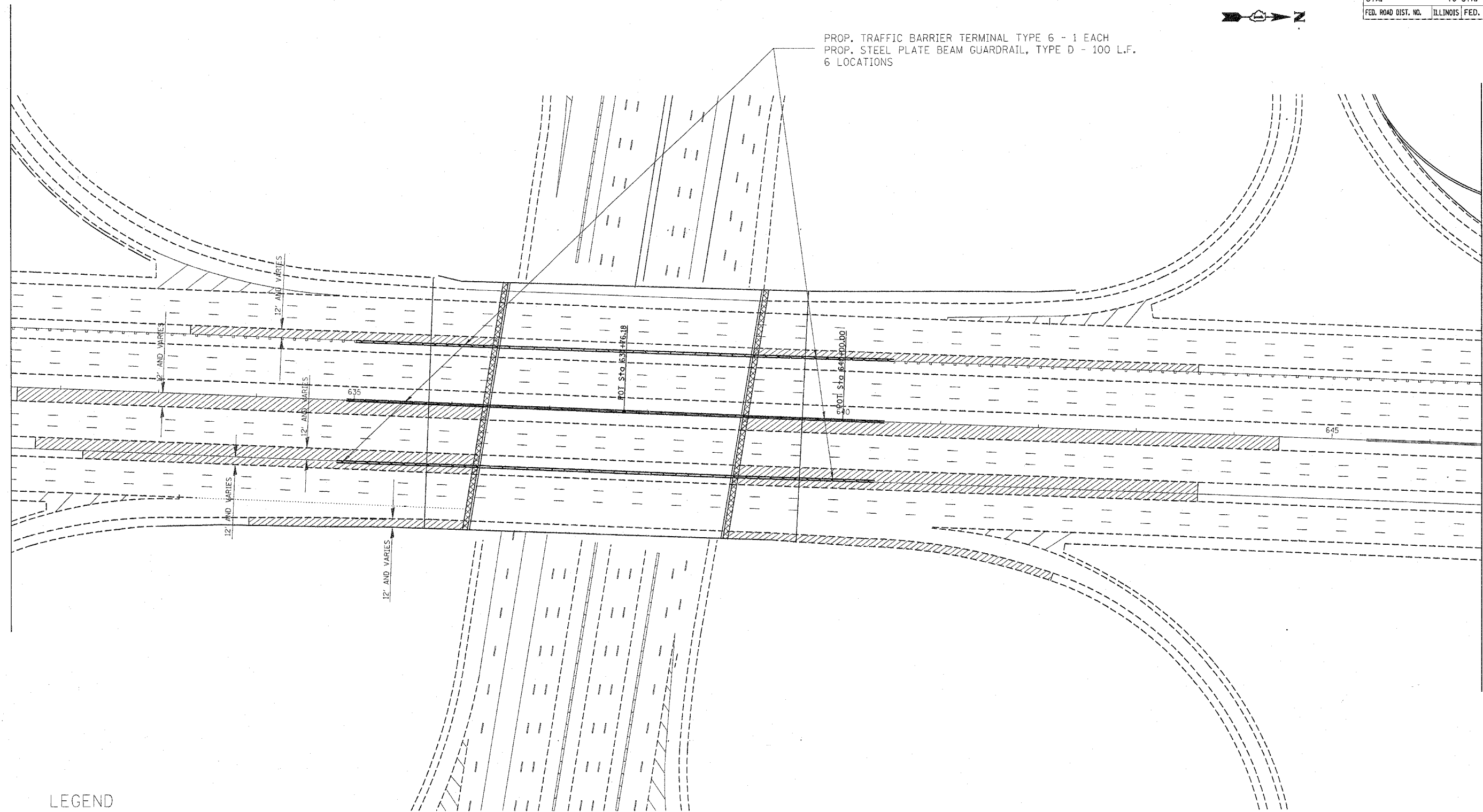
ILLINOIS DEPARTMENT OF TRANSPORTATION
 ROADWAY PLANS
 I-290/IL. 53 AT
 ILL. 58 (GOLF RD.)
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 5/29/2007
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 USER NAME = P1000000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2006-030 I	COOK	78	73
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROP. TRAFFIC BARRIER TERMINAL TYPE 6 - 1 EACH
 PROP. STEEL PLATE BEAM GUARDRAIL, TYPE D - 100 L.F.
 6 LOCATIONS



LEGEND

- PROP. HMA SURFACE REMOVAL 1-1/2"
 PROP. HMA SURFACE COURSE, MIX "D", N70
 PROP. SHOULDER RUMBLE STRIP (TO BE INSTALLED AFTER STAGE CONSTRUCTION)
- PROP. HMA SURFACE REMOVAL 2"
 PROP. HMA SURFACE COURSE, MIX "F", N105

NOTE

HMA RESURFACING OF THE EXISTING ROADWAY SHOULDERS SHALL BE LIMITED TO AREAS WHERE TRAFFIC HAS TO BE WEAVED INTO THE SHOULDER FOR STAGING. SHOULDER RESURFACING SHALL BE COMPLETED PRIOR TO STAGE CONSTRUCTION.

REVISIONS	
NAME	DATE
Δ Revised sheet	5/31/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ROADWAY PLANS
 I-290/IL. 53 AT I-90 (TOLL)

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

PLOT DATE = 5/30/2007
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