

FOR INDEX OF SHEETS, SEE SHEET NO. 2.

TRAFFIC DATA

ADT = 204,600 VEHICLES
POSTED SPEED LIMIT = 55 MPH

PROJECT LOCATED IN THE CITY OF CHICAGO

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI-290 (EISENHOWER EXPRESSWAY)
SECTION (2828 [B, D] ETC., 3031.1)RS-6
PROJECT: ACIM-290-4(113)091

AUSTIN AVE. TO I-90/94
RESURFACING AND ROADWAY AND STRUCTURE REPAIRS
COOK COUNTY
C-91-494-09

NOTE: WHEREVER IN THESE PLANS
REFERENCE IS MADE TO "TOTAL
SHEETS 185" IT SHALL
MEAN 300.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	300	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 60G53		
* (2828 B, D, ETC., 3031.1)RS-6				
* 300 + 21 = 321				

D-91-341-09



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 7 20 09

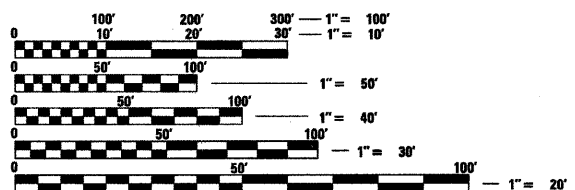
Diann M. O'Hara
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

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

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

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OF THE STATE OF ILLINOIS**

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alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450



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.

C.U.A.N.
CHICAGO UTILITY AREA NETWORK
1-312-744-7000
OR 811

PROJECT ENGINEER: CRAIG BAUER (847) 705-4265
PROJECT MANAGER: LONG TRAN (847) 705-4232

CONTRACT NO. 60G53



I-290 EB OVER CENTRAL
SN 016-0094
I-290 WB OVER CENTRAL
SN 016-0095

PROJECT BEGINS
STA. 872+00

PROJECT ENDS
STA. 1215+15 (WB)
STA. 1214+90 (EB)

LAYOUT MAP
SCALE: 1 IN = 1.5 MI

GROSS LENGTH OF PROJECT = 34,315 LIN FT = 6.50 MILES
NET LENGTH OF PROJECT = 34,315 LIN FT = 6.50 MILES

INDEX OF SHEETS

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1	COVER SHEET
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293-300	DISTRICT 1 SIGNING DETAILS

GENERAL NOTES:

- BEFORE STARTING WORK THE CONTRACTOR SHALL CALL DIGGER AT (312) 774-7000 FOR WORK WITHIN THE CHICAGO CITY LIMITS OR JULIE AT 811 OR (800) 892-0123 FOR WORK OUTSIDE CHICAGO CITY LIMITS FOR FIELD LOCATIONS OF BURIED UTILITIES. 72 HOUR ADVANCE NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE WORK ACTIVITIES WITH ADJACENT CONTRACTS. IDOT CONTRACT NUMBERS ARE 60G52 AND 60D61.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- VERTICAL CLEARANCES OF BRIDGES OVER I-290 SHALL BE MAINTAINED. HMA SURFACE REMOVAL AND PROPOSED HMA SURFACE THICKNESS WILL BE VARIED AS DIRECTED BY THE ENGINEER IF THE EXISTING BITUMINOUS DEPTH IS LESS THAN 2". THE CONTRACTOR SHALL VERIFY ALL BRIDGE CLEARANCES BEFORE AND AFTER CONSTRUCTION AND FURNISH RESULTS TO THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR CONSTRUCTION LAYOUT.
- WHERE ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, AND CONCRETE BARRIER REMOVAL AND REPLACEMENT LIMITS ARE NOT SHOWN ON THE PLANS. LIMITS OF THIS WORK WILL BE DETERMINED BY THE ENGINEER.
- BUTT JOINTS WILL BE INSTALLED AT THE END OF ALL RESURFACING SECTIONS TO MATCH EXISTING PAVEMENT. SEE DISTRICT DETAIL BD400-05 - BUTT JOINT AND HMA TAPER DETAILS FOR ALL PCC AND HMA BUTT JOINTS.
- CONTACT EXPRESSWAY OPERATIONS AT (847) 705-4151 TWO WEEKS BEFORE INSTALLING FINAL PAVEMENT MARKINGS.

- THE CONTRACTOR SHALL SWEEP AND CLEAN THE PAVEMENT SURFACE, PER ARTICLE 107.15 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- TEMPORARY EDGE LINES SHOWN IN THE SUGGESTED MAINTENANCE OF TRAFFIC SHALL BE INSTALLED WITHIN 24 HOURS OF MILLING OR BINDER PLACEMENT.
- THE ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS WAS DEVELOPED FROM PREVIOUS PLANIMETRICS AND AERIAL PHOTOGRAPHY FURNISHED BY THE DEPARTMENT AND IS NOT THE RESULT OF A GROUND SURVEY. THEREFORE, THE ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS IS FOR REFERENCE PURPOSES ONLY. THE RELATIVE ACCURACY OF THE INFORMATION IS UNKNOWN AND CANNOT BE GUARANTEED. THE CONTRACTOR MAY BE REQUIRED TO ADJUST LAYOUT TO MATCH ACTUAL FIELD CONDITIONS AND THE INTENT OF THE PLANS. ALL ALIGNMENTS ARE BASELINES.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD (FOR FUTURE REFERENCES), ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.
- DRAINAGE ADJUSTMENT, CLEANING OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- VERTICAL BARRICADES WILL REMAIN IN PLACE ALONG THE EDGES OF PAVEMENT AS SHOWN IN THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS UNTIL THE SURFACE COURSE AND PROPOSED PAVEMENT MARKING EDGE LINES HAVE BEEN COMPLETED.
- DISPOSAL OF THE SHOULDER CUTTING AND CLEAN SWEEPING OF THE SHOULDERS SHALL BE COMPLETED PRIOR TO THE OPENING OF THE SHOULDERS AND TRAFFIC. DISPOSAL AND SWEEPING SHALL BE INCLUDED IN THE COST OF "SHOULDER RUMBLE STRIPS".
- EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH REVISED TRAFFIC PATTERNS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PAVEMENT MARKING REMOVAL.

IDOT STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420001-07	PAVEMENT JOINTS
420401-08	BRIDGE APPROACH PAVEMENT CONNECTOR
421001-02	BAR REINFORCEMENT FOR CRC PAVEMENT
442001-04	CLASS A PATCHES
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATE FOR BRIDGES
606001-04	COMBINATION CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER
630001-08	STEEL PLATE BEAM GUARDRAIL
631006-07	TRAFFIC BARRIER TERMINAL, TYPE 1B
631026-05	TRAFFIC BARRIER TERMINAL, TYPE 5
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
637001-04	CONCRETE BARRIER, DOUBLE FACE, 815mm (32 IN) HEIGHT
637006-02	CONCRETE BARRIER, DOUBLE FACE, 1065mm (42 IN) HEIGHT
642001-01	SHOULDER RUMBLE STRIPS
701101-02	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701400-04	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-05	LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-05	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-06	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701421-02	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY FOR SPEEDS ≥ 45 MPH
701422-02	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥ 45 MPH
701446-01	TWO LANE CLOSURE FREEWAY/EXPRESSWAY
701901-01	TRAFFIC CONTROL DEVICES
704001-06	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POST FOR SIGNS MARKERS & DELINEATORS
720021-02	SIGN PANEL EXTRUDED ALUMINUM TYPE
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

DISTRICT 1 DETAILS

DETAIL	DESCRIPTION
BD600-03 (BD-8)	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD400-04 (BD-22)	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD400-05 (BD-32)	BUTT JOINT AND HMA TAPER DETAILS
BD400-06 (BD-33)	HMA TAPER AT EDGE OF P.C.C. PAVEMENT
BE-600	ELECTRIC CONNECTION TO SIGN STRUCTURE SPAN TYPE
BE-601	ELECTRIC CONNECTION TO SIGN STRUCTURE CANTILEVER TYPE
BM-21	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL
TC-8	FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-9	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
TC-12	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
TC-17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES
TC-18	PARTIAL RAMP CLOSURES
TC-25	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
TC-27	TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE SHOULDER LANE
	MILE POST MARKERS-GORE SIGNS-MAJOR GUIDE SIGN LAYOUT-ARROWS

HOT-MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	THICKNESS	VOIDS
MAINLINE RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	2"	3.5% @ 80 Gyr
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	2"	3.5% @ 80 Gyr
MAINLINE OUTSIDE SHOULDERS AND INSIDE SHOULDERS > 8'		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	1-1/2"	4% @ 70 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N70	2-1/4"	4% @ 70 Gyr
RAMPS AND SHOULDERS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	1 1/2"	4% @ 70 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N70	2-1/4"	4% @ 70 Gyr
PATCHING		
CLASS D PATCHES OF TYPE AND THICKNESS SPECIFIED (HMA BINDER IL-25mm)	10"	4% @ 105 Gyr
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-25mm)	3 1/4", 5 1/2" OR 5 3/4"	4% @ 105 Gyr
STABILIZED SUBBASE HOT-MIX ASPHALT, 4"	4"	2% @ 30 Gyr

UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SMA SURFACE COURSE IS 135 LBS/SQ YD/IN.
UNITS WEIGHT USED TO CALCULATE ALL OTHER HOT-MIX ASPHALT MIXTURES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR " PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS GENERAL NOTES & HMA REQUIREMENTS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL*	DRAWN - TMB	REVISED -			290	(2828B,D, ETC., 3031.1RS-6)	COOK	185	2			
USER NAME = #USER*	CHECKED - JMM	REVISED -			CONTRACT NO. 60G53							
PLOT DATE = #DATE*	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY		1032-1F	BRIDGE
					90% FED	10% STATE	SURVEILLANCE	SN 016-0094
					10% STATE	90% FED	SN 016-0095	
					CONSTRUCTION TYPE CODE			
					1000-2A			X271-2A
	28000510	INLET FILTERS	EACH	65	65			
**	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1240	1240			
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	369	369			
	40600300	AGGREGATE (PRIME COAT)	TON	1047	1047			
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	692	692			
**	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	371	371			
	40600895	CONSTRUCTING TEST STRIP	EACH	2	2			
**	20103000	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	9	9			
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	3,500	3,500			
**	20103500	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	6	6			
	40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	10,690	10,690			
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	20,777	20,777			
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	13,851	13,851			
	42001200	PAVEMENT FABRIC	-SQ YD-	-850-	-850-			
	42001300	PROTECTIVE COAT	SQ YD	1,018	1,018			
	42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	187	187			
	42100925	PAVEMENT REINFORCEMENT 11 1/4"	SQ YD	187	187			
	44000182	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	39,000	39,000			
	44000184	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	125,896	125,896			
	44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	296,736	296,736			
**	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,489	2,489			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4,189	4,189			
**	31200500	STABILIZED SUBBASE HOT-MIX ASPHALT, 4"	SQ YD	3,825	3,825			
	44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	143	143			
	44002215	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3/4"	SQ YD	4,064	4,064			
	44002222	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 5 1/2"	SQ YD	31,053	31,053			
**	44004250	PAVED SHOULDER REMOVAL	SQ YD	3825	3825			
	44002223	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 5 3/4"	SQ YD	1,198	1,198			
	44200561	CLASS A PATCHES, TYPE I, 11 INCH	SQ YD	352	352			
	44200563	CLASS A PATCHES, TYPE II, 10 INCH	-SQ YD-	-44-	-44-			
	44200565	CLASS A PATCHES, TYPE II, 11 INCH	SQ YD	278	278			
	44200567	CLASS A PATCHES, TYPE III, 10 INCH	-SQ YD-	-44-	-44-			
	44200569	CLASS A PATCHES, TYPE III, 11 INCH	SQ YD	44	44			
	44200559	CLASS A PATCHES, TYPE IV, 10 INCH	-SQ YD-	-696-	-696-			
	44200571	CLASS A PATCHES, TYPE IV, 11 INCH	SQ YD	696	696			
	44201781	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	458	458			
	44201785	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	17,703	17,703			
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	4,176	4,176			
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	12,106	12,106			
	44213000	PATCHING REINFORCEMENT	SQ YD	1,528	1,528			
	44213200	SAW CUTS	FOOT	1,099	1,099			
	44200900	STRIP REFLECTIVE CRACK CONTROL TREATMENT SYSTEM A	-FOOT-	-405,642-	-405,642-			
	48200907	HOT-MIX ASPHALT SHOULDER, 10"	-SQ YD-	-6,561-	-6,561-			
	50102400	CONCRETE REMOVAL	CU YD	47.0				47.0
	50157300	PROTECTIVE SHIELD	SQ YD	191				191
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	47.0				47.0
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	4,860				4,860
	50800515	BAR SPLICERS	EACH	44				44
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	288				288

** FOR LOCATIONS AND EXTENT OF WORK NOT SHOWN IN THE PLANS, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND CONTACT RICK WANNER, ROADSIDE DEVELOPMENT ARCHITECT, IDOT ROADSIDE DEVELOPMENT UNIT AT (847) 705-4172 AT LEAST 72 HOURS PRIOR TO STARTING WORK.

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\ppp1n_abc_c3_sq_01.dgn	DRAWN - TMB	REVISED -						290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	3
USER NAME = tblank	CHECKED - JMM	REVISED -			SCALE: N.T.S. SHEET NO. 1 OF 3 SHEETS STA. TO STA.			CONTRACT NO. 60G53				
PLOT DATE = 10/16/2009	DATE - 10/16/09	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
Rev.												

SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			TRAFFIC SIGNS 90% FED. 10% STATE
					ROADWAY		BRIDGE	
					1000-2A	X271-2A	SN 016-0084 SN 016-0085	
			URBAN	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE		
Δ	55039700	STORM SEWERS TO BE CLEANED	FOOT	1,560	1,560			
*	72000105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	118			118	
	58700300	CONCRETE SEALER	SQ FT	50,652		50,652		
*	72000205	SIGN PANEL - TYPE 2 (SPECIAL)	SQ FT	2,088			2,088	
	60300205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	323	323			
*	72000305	SIGN PANEL - TYPE 3 (SPECIAL)	SQ FT	13,447			13,447	
	60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	323	323			
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	11			11	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3,746	3,746			
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	540			540	
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	443	443			
*	73000105	WOOD SIGN SUPPORT, SPECIAL	FOOT	1062			1062	
	63000005	STEEL PLATE BEAM GUARD RAIL, TYPE B	FOOT	50	50			
*	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	65			65	
	63200305	STEEL PLATE BEAM GUARDRAIL REMOVAL	FOOT	50	50			
*	X0326838	REMOVE SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	54			54	
	64200105	SHOULDER RUMBLE STRIP	FOOT	112,609	112,609			
*	X0326839	REMOVE SIGN PANEL - TYPE 2 (SPECIAL)	SQ FT	1212			1212	
	67100100	MOBILIZATION	L SUM	1	1			
*	X0326840	REMOVE SIGN PANEL - TYPE 3 (SPECIAL)	SQ FT	12,673			12,673	
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	31	31			
*	X0326841	REMOVE SIGN PANEL ASSEMBLY - TYPE B (SPECIAL)	EACH	64			64	
	70300210	TEMPORARY PAVEMENT MARKING - LETTERS + SYMBOLS	SQ FT	-146-	-146-			
*	X0326842	MILE POST MARKER ASSEMBLY (SPECIAL)	EACH	26			26	
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	-23,603-	-23,603-			
*	63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FT. POSTS	FOOT	250	250			
	70300230	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	-16,989-	-16,989-			
*	63100041	TRAFFIC BARRIER TERMINAL, TYPE 1B	EACH	1	1			
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3,867	3,867			
*	63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1	1			
	70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	-67,974-	-67,974-			
	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	-6,644-	-6,644-			
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	-5,141-	-5,141-			
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	2,400	2,400			
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2,749	2,749			
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	518	518			
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	73,842	73,842			
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	744	744			
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	50,577	50,577			
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	17,337	17,337			
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	220	220			
*	78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	2,033	2,033			
*	78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	40,167	40,167			
*	78004240	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 8"	FOOT	470	470			
*	78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	654	654			
	78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	37	37			
*	78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	299,013	299,013			
	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	56,243	56,243			
*	78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	154,361	154,361			
	78008220	POLYUREA PAVEMENT MARKING TYPE I - LINE 5"	FOOT	3,001	3,001			
*	78005140	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	86,047	86,047			
	78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	1,622	1,622			
*	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	747	747			
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	5,472	5,472			
*	78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	73	73			

Δ - Non-participating
* Specialty Items

FILE NAME =	DESIGNED - AJP	REVISED -
...prp1n_ABC_C3_ssq_02.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JMM	REVISED -
PLOT DATE = 10/16/2009	DATE - 10/16/09	REVISED -

benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS STA. TO STA.


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	

Rev.

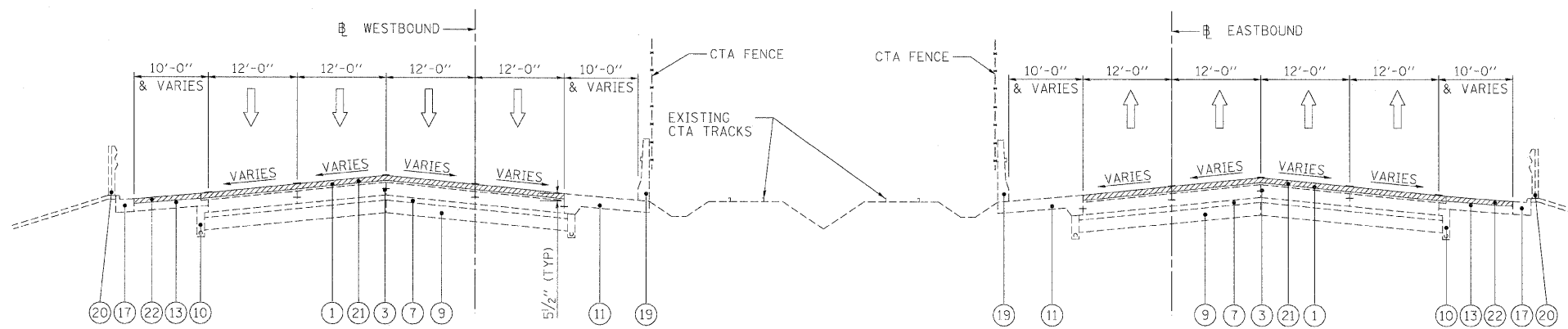
SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY		Y032-1F	BRIDGE
					90% FED	10% STATE	SURVEILLANCE	SN 016-0094
					90% FED	10% STATE	90% FED	SN 016-0095
					CONSTRUCTION TYPE CODE			
					1000-2A			X271-2A
	78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	224	224			
	78200410	GUARDRAIL MARKERS, TYPE A	EACH	12	12			
*	78200450	MONODIRECTIONAL GUARD RAIL REFLECTORS	EACH	300	300			
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	17,545	17,545			
*	78200530	BARRIER WALL MARKERS, TYPE C	EACH	192	192			
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	5,472	5,472			
	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	100		100		
	X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	94	94			
	X0322729	MATERIAL TRANSFER DEVICE	TON	73,294	73,294			
	X0323957	CONCRETE BARRIER REMOVAL AND REPLACEMENT	FOOT	296	296			
	X0324685	TEST STRIP (STONE MATRIX ASPHALT)	EACH	2	2			
**	* X0322059	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	300	300			
	X0325702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1			
**	X2010300	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	UNIT	108	108			
	X0325775	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	71,013	71,013			
	X0325840	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 12 INCH	FOOT	3,406	3,406			
	X0325842	WET REFLECTIVE TEMPORARY TAPE, TYPE III, LETTERS AND SYMBOLS	SQ FT	145	145			
**	Z0044800	SELECTIVE CLEARING	UNIT	1200	1200			
	X0325864	BRIDGE APPROACH PAVEMENT REMOVAL	SQ YD	187	187			
**	* X0325722	WEED CONTROL, BASAL TREATMENT	GALLON	15	15			
	X0325876	WET REFLECTIVE TEMPORARY TAPE TYPE III, 8 INCH	FOOT	33,727	33,727			
**	* X0325921	PLANT CARE	SQ YD	7,495	7,495			
	X0326107	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5 INCH	FOOT	21,777	21,777			
**	* X0322850	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL	GALLON	5	5			
	X4066580	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	TON	40,059	40,059			
**	* K0036120	MULCH PLACEMENT 4"	SQ YD	5882	5882			
	X4066685	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	TON	33,234	33,234			
**	* Δ K1003660	MOWING CYCLES	EACH	2	2			
	X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1			
**	* X0326701	WEED CONTROL, BROADLEAF IN TURF (48 ACRES PER POUND)	POUND	1	1			
	X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	65	65			
**	* X2186500	ASPHALTIC EMULSION SLURRY SEAL	SQ YD	38,150	38,150			
	X8730312	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	FOOT	12,962		12,962		
**	* X0325223	FIBER ASPHALT	POUND	1,272	1,272			
	X8850102	INDUCTION LOOP	FOOT	5,795		5,795		
**	* X0326843	STAINING EXISTING COLORED CONCRETE SURFACES	SQ FT	2,600	2,600			
	Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	33.9			33.9	
**	* A2012122	TREE, AESCULUS AUTUMN SPLENDOR (AUTUMN SPLENDOR BUCKEYE), 1 3/4" CALIPER, BALLED AND BURLAPPED,	EACH	25	25			
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
**	* A2002614	TREE, CARYA CORDIFORMIS (BITTERNUT HICKORY), 1 3/4" CALIPER, BALLED AND BURLAPPED,	EACH	20	20			
	Z0018001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	10.0			10.0	
**	* A2002914	TREE, CELTIS OCCIDENTALIS (COMMON HAWKBERY), 1 3/4" CALIPER, BALLED AND BURLAPPED,	EACH	25	25			
	Z0018002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	28.3			28.3	
**	* A2005014	TREE, GYMNOCLADUS DIDICUS (KENTUCKY COFFEE TREE), 1 3/4" CALIPER, BALLED AND BURLAPPED,	EACH	45	45			
	Z0018200	DECK SLAB REPAIR (PARTIAL)	SQ YD	145.0			145.0	
**	* A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1 3/4" CALIPER, BALLED AND BURLAPPED,	EACH	30	30			
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	65	65			
Δ	* B2001664	TREE, CRATAEGUS CRUSGALI INERMIS (THORNLESS COCKSPUR HAWTHORNE), 5' HEIGHT, SHARUB FORM, BALLED	EACH	30	30			
	Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	20	20			
**	* B2006116	TREE, SYRINGA PERLANSIS MORTON (CHINA SNOW PINK), 2" CALIPER, BALLED AND BURLAPPED,	EACH	25	25			
	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2			
	Z0030850	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2			
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1			
	Z0070600	TRAINEES	FOOT	1,000	1,000			
	X0326768	CONDUIT IN TRENCH, HIGH DENSITY POLYETHYLENE, COILABLE	FOOT	100		100		
	Z0075310	TIE BARS 3/4"	EACH	195	195			
	X0326765	CLEANING AND PAINTING EXPOSED REBAR (SPECIAL)	SQ FT	192			192	
	X0326818	CONCRETE BARRIER REMOVAL AND REPLACEMENT SINGLE FACE	FOOT	235	235			
	X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	168.0			168.0	
	X0326819	CONCRETE BARRIER REMOVAL AND REPLACEMENT DOUBLE FACE	FOOT	60	60			
	X0326767	PROFILE DIAMOND GRINDING CONCRETE PAVEMENT	SQ YD	69,625	69,625			

** FOR LOCATIONS AND EXTENT OF WORK NOT SHOWN IN THE PLANS, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND CONTACT RICK WANNER, ROADSIDE DEVELOPMENT ARCHITECT, 107 ROADSIDE DEVELOPMENT UNIT AT (847) 705-4172 AT LEAST 72 HOURS PRIOR TO STARTING WORK.

© 4080
* Specialty Items
Δ Non-participating

FILE NAME =	DESIGNED - AJP	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...pprIn.ABC.C3.sog.03.dgn	DRAWN - TMB	REVISED -						290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	5
USER NAME = tblank	CHECKED - JMM	REVISED -			SCALE: N.T.S. SHEET NO. 3 OF 3 SHEETS STA. TO STA.			CONTRACT NO. 60G53				
PLOT DATE = 10/16/2009	DATE - 10/16/09	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

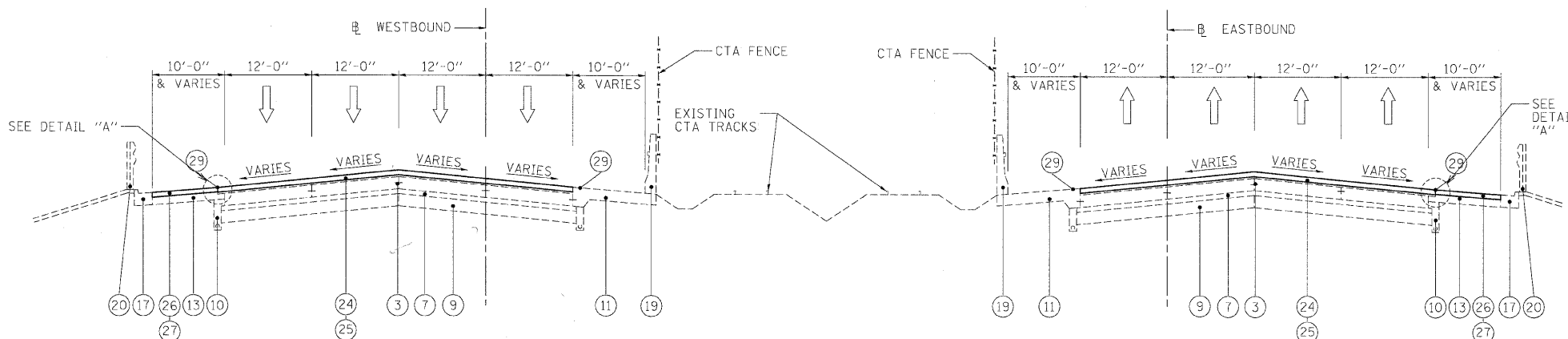
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WESTBOUND
 STA. 872+00 TO STA. 887+38 (SEE NOTE 1.)
 STA. 892+26 TO STA. 905+00 (SEE NOTE 1.)
 STA. 905+00 TO STA. 924+50
 STA. 935+00 TO STA. 952+30
 STA. 1029+30 TO STA. 1045+60
 STA. 1058+90 TO STA. 1080+10
 STA. 1109+10 TO STA. 1116+20
 STA. 1126+40 TO STA. 1136+70
 STA. 1145+80 TO STA. 1164+90
 STA. 1178+10 TO STA. 1197+80
 STA. 1207+50 TO STA. 1215+15 (SEE NOTE 2.)

I-290 EXISTING TYPICAL SECTION

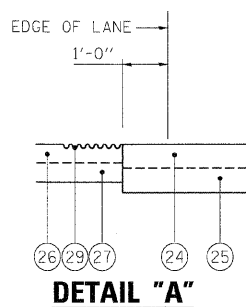
EASTBOUND
 STA. 872+00 TO STA. 887+48 (SEE NOTE 1.)
 STA. 892+38 TO STA. 905+00 (SEE NOTE 1.)
 STA. 905+00 TO STA. 924+50
 STA. 935+00 TO STA. 952+30
 STA. 1029+30 TO STA. 1045+70
 STA. 1059+00 TO STA. 1080+00
 STA. 1100+00 TO STA. 1116+10
 STA. 1126+30 TO STA. 1136+60
 STA. 1145+70 TO STA. 1164+80
 STA. 1178+00 TO STA. 1197+50
 STA. 1207+30 TO STA. 1214+90 (SEE NOTE 2.)



WESTBOUND
 STA. 872+00 TO STA. 905+00 (SEE NOTE 1.)
 STA. 905+00 TO STA. 924+50
 STA. 935+00 TO STA. 952+30
 STA. 1029+30 TO STA. 1045+60
 STA. 1058+90 TO STA. 1080+10
 STA. 1109+10 TO STA. 1116+20
 STA. 1126+40 TO STA. 1136+70
 STA. 1145+80 TO STA. 1164+90
 STA. 1178+10 TO STA. 1197+80
 STA. 1207+50 TO STA. 1215+15 (SEE NOTE 2.)

I-290 PROPOSED TYPICAL SECTION

EASTBOUND
 STA. 872+00 TO STA. 905+00 (SEE NOTE 1.)
 STA. 905+00 TO STA. 924+50
 STA. 935+00 TO STA. 952+30
 STA. 1029+30 TO STA. 1045+70
 STA. 1059+00 TO STA. 1080+00
 STA. 1100+00 TO STA. 1116+10
 STA. 1126+30 TO STA. 1136+60
 STA. 1145+70 TO STA. 1164+80
 STA. 1178+00 TO STA. 1197+50
 STA. 1207+30 TO STA. 1214+90 (SEE NOTE 2.)



LEGEND

- ① EXISTING HMA OVERLAY, VARIES (SEE NOTE 5)
- ② EXISTING C.R.C. PAVEMENT, 12"
- ③ EXISTING P.C.C. PAVEMENT, 10"
- ④ EXISTING C.R.C. PAVEMENT, 9"
- ⑤ EXISTING C.R.C. PAVEMENT
- ⑥ EXISTING P.C.C. BASE COURSE
- ⑦ EXISTING STABILIZED SUB-BASE, 4"
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A
- ⑨ EXISTING PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- ⑩ EXISTING PIPE UNDERDRAIN
- ⑪ EXISTING P.C.C. SHOULDER
- ⑫ EXISTING STABILIZED MEDIAN SURFACE
- ⑬ EXISTING BITUMINOUS SHOULDER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑯ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-2.12
- ⑰ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.24
- ⑱ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑲ EXISTING P.C.C. BARRIER WALL
- ⑳ EXISTING STEEL PLATE BEAM GUARDRAIL
- ㉑ HOT-MIX ASPHALT SURFACE REMOVAL 4"
- ㉒ HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4"
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL 3 1/4"
- ㉔ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉕ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉖ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ㉗ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- ㉘ NOT USED
- ㉙ PROPOSED SHOULDER RUMBLE STRIP (STD. 642001-01)
- ㉚ PROFILE DIAMOND GRINDING OF CONCRETE PAVEMENT

NOTES:

- 1. CTA TRACKS ARE UNDERGROUND
- 2. 3-LANES ONLY
- 3. OUTSIDE (AUXILLIARY) LANE SEPARATED FROM MAINLINE
- 4. 5-LANES ONLY FROM 1204+30 TO 1207+50
- 5. EXISTING HMA PAVEMENT THICKNESS 5 1/2" TO 5 3/4" ALONG I-290
- 6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
- 7. THE EXISTING HMA IN THE FLAG OF THE CURB AND GUTTER SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST. THESE COSTS SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS MILLING AND RESURFACING OPERATIONS MEASURED TO THE EDGE OF THE SHOULDER.
- 8. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
- 9. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

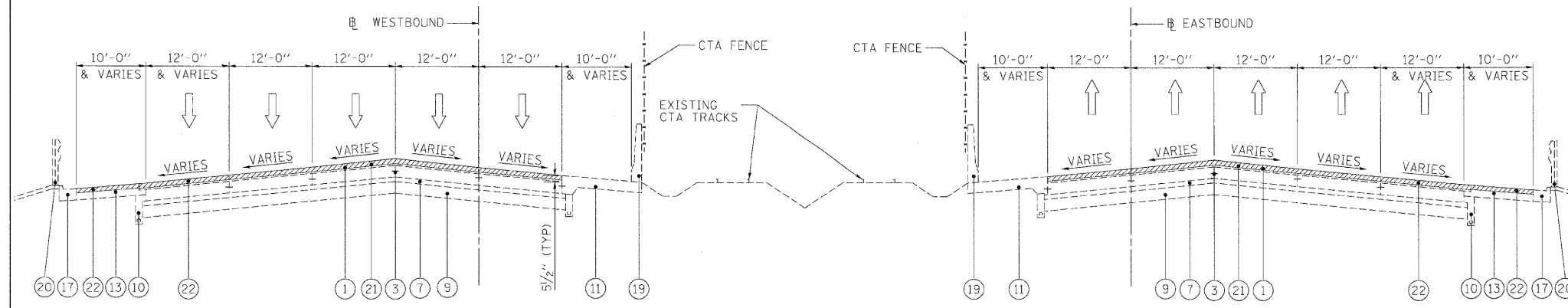
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE: N.T.S.	SHEET NO. 1 OF 7 SHEETS
STA. _____	TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.DRS-6	COOK	185	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



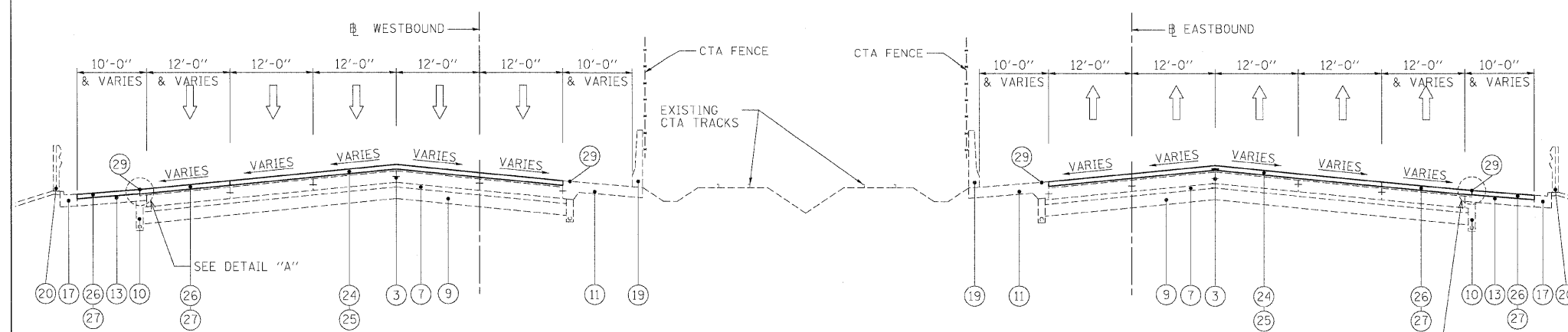
WESTBOUND
 STA. 924+50 TO STA. 935+00
 STA. 1045+60 TO STA. 1058+90
 STA. 1080+10 TO STA. 1100+10 (SEE NOTE 3.)
 STA. 1116+20 TO STA. 1126+40
 STA. 1136+70 TO STA. 1145+80
 STA. 1164+90 TO STA. 1178+10
 STA. 1204+30 TO STA. 1207+50

EASTBOUND
 STA. 924+50 TO STA. 935+00
 STA. 1045+70 TO STA. 1059+00
 STA. 1080+00 TO STA. 1100+00 (SEE NOTE 3.)
 STA. 1116+10 TO STA. 1126+30
 STA. 1136+60 TO STA. 1145+70
 STA. 1164+80 TO STA. 1178+00

I-290 EXISTING TYPICAL SECTION

LEGEND

- ① EXISTING HMA OVERLAY, VARIES (SEE NOTE 5)
- ② EXISTING C.R.C. PAVEMENT, 12"
- ③ EXISTING P.C.C. PAVEMENT, 10"
- ④ EXISTING C.R.C. PAVEMENT, 9"
- ⑤ EXISTING C.R.C. PAVEMENT
- ⑥ EXISTING P.C.C. BASE COURSE
- ⑦ EXISTING STABILIZED SUB-BASE, 4"
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A
- ⑨ EXISTING PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- ⑩ EXISTING PIPE UNDERDRAIN
- ⑪ EXISTING P.C.C. SHOULDER
- ⑫ EXISTING STABILIZED MEDIAN SURFACE
- ⑬ EXISTING BITUMINOUS SHOULDER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑯ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-2.12
- ⑰ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.24
- ⑱ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑲ EXISTING P.C.C. BARRIER WALL
- ⑳ EXISTING STEEL PLATE BEAM GUARDRAIL
- ㉑ HOT-MIX ASPHALT SURFACE REMOVAL 4"
- ㉒ HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4"
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL 3 1/4"
- ㉔ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉕ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉖ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ㉗ HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70, 2 1/4"
- ㉘ NOT USED
- ㉙ PROPOSED SHOULDER RUMBLE STRIP (STD. 642001-01)
- ㉚ PROFILE DIAMOND GRINDING OF CONCRETE PAVEMENT



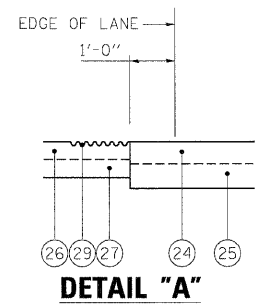
WESTBOUND
 STA. 924+50 TO STA. 935+00
 STA. 1045+60 TO STA. 1058+90
 STA. 1080+10 TO STA. 1100+10 (SEE NOTE 3.)
 STA. 1116+20 TO STA. 1126+40
 STA. 1136+70 TO STA. 1145+80
 STA. 1164+90 TO STA. 1178+10
 STA. 1204+30 TO STA. 1207+50

EASTBOUND
 STA. 924+50 TO STA. 935+00
 STA. 1045+70 TO STA. 1059+00
 STA. 1080+00 TO STA. 1100+00 (SEE NOTE 3.)
 STA. 1116+10 TO STA. 1126+30
 STA. 1136+60 TO STA. 1145+70
 STA. 1164+80 TO STA. 1178+00

I-290 PROPOSED TYPICAL SECTION

NOTES:

- 1. CTA TRACKS ARE UNDERGROUND
- 2. 3-LANES ONLY
- 3. OUTSIDE (AUXILIARY) LANE SEPARATED FROM MAINLINE
- 4. 5-LANES ONLY FROM 1204+30 TO 1207+50
- 5. EXISTING HMA PAVEMENT THICKNESS 5 1/2" TO 5 3/4" ALONG FAI 290
- 6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
- 7. THE EXISTING HMA IN THE FLAG OF THE CURB AND GUTTER SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST. THESE COSTS SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS MILLING AND RESURFACING OPERATIONS MEASURED TO THE EDGE OF THE SHOULDER.
- 8. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
- 9. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.



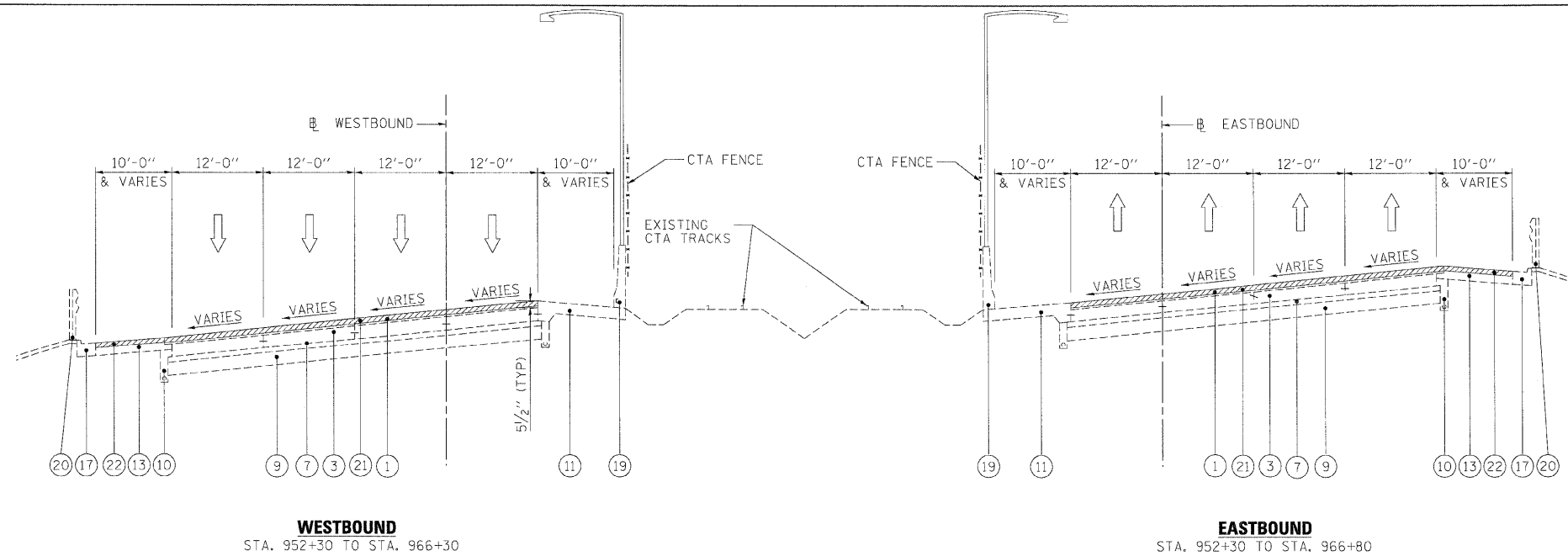
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS		
SCALE: N.T.S.	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.

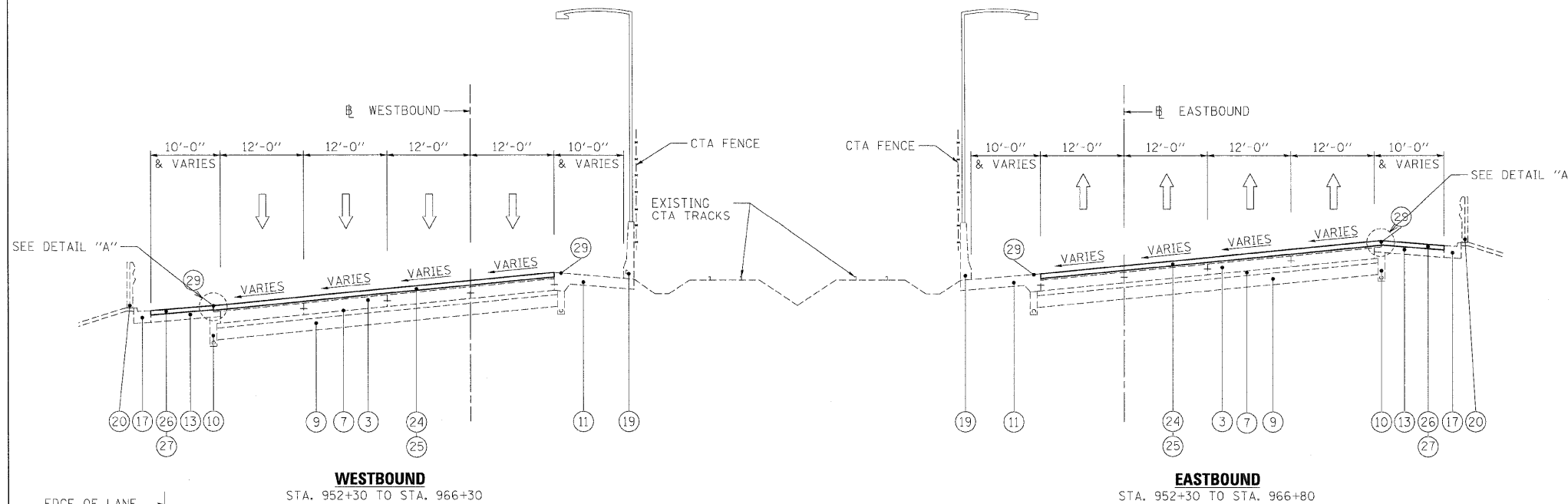
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1)RS-6	COOK	185	7
CONTRACT NO. 60C53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



I-290 EXISTING TYPICAL SECTION

LEGEND

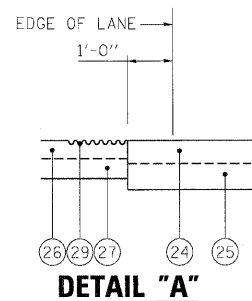
- ① EXISTING HMA OVERLAY, VARIES (SEE NOTE 5)
- ② EXISTING C.R.C. PAVEMENT, 12"
- ③ EXISTING P.C.C. PAVEMENT, 10"
- ④ EXISTING C.R.C. PAVEMENT, 9"
- ⑤ EXISTING C.R.C. PAVEMENT
- ⑥ EXISTING P.C.C. BASE COURSE
- ⑦ EXISTING STABILIZED SUB-BASE, 4"
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A
- ⑨ EXISTING PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- ⑩ EXISTING PIPE UNDERDRAIN
- ⑪ EXISTING P.C.C. SHOULDER
- ⑫ EXISTING STABILIZED MEDIAN SURFACE
- ⑬ EXISTING BITUMINOUS SHOULDER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑯ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-2.12
- ⑰ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.24
- ⑱ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑲ EXISTING P.C.C. BARRIER WALL
- ⑳ EXISTING STEEL PLATE BEAM GUARDRAIL
- ㉑ HOT-MIX ASPHALT SURFACE REMOVAL 4"
- ㉒ HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4"
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL 3 1/4"
- ㉔ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉕ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉖ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ㉗ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- ㉘ NOT USED
- ㉙ PROPOSED SHOULDER RUMBLE STRIP (STD. 642001-01)
- ㉚ PROFILE DIAMOND GRINDING OF CONCRETE PAVEMENT



I-290 PROPOSED TYPICAL SECTION

NOTES:

- 1. CTA TRACKS ARE UNDERGROUND
- 2. 3-LANES ONLY
- 3. OUTSIDE (AUXILIARY) LANE SEPARATED FROM MAINLINE
- 4. 5-LANES ONLY FROM 1204+30 TO 1207+50
- 5. EXISTING HMA PAVEMENT THICKNESS 5 1/2" TO 5 3/4" ALONG FAI 290
- 6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
- 7. THE EXISTING HMA IN THE FLAG OF THE CURB AND GUTTER SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST. THESE COSTS SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS MILLING AND RESURFACING OPERATIONS MEASURED TO THE EDGE OF THE SHOULDER.
- 8. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
- 9. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.



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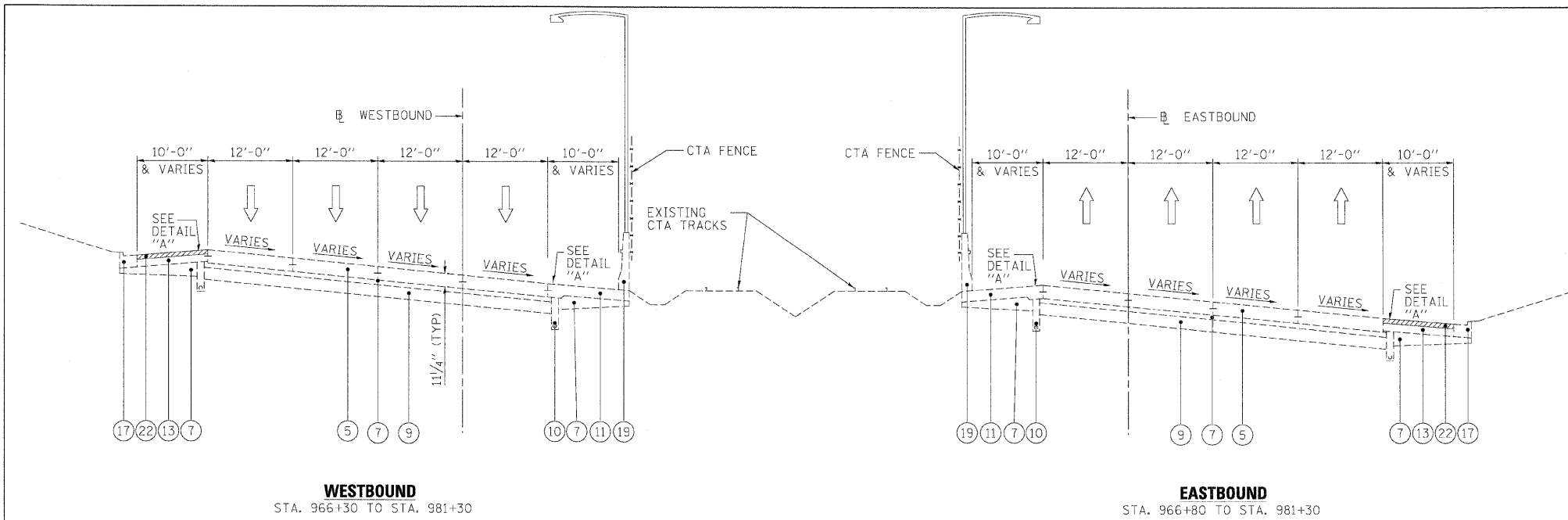
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

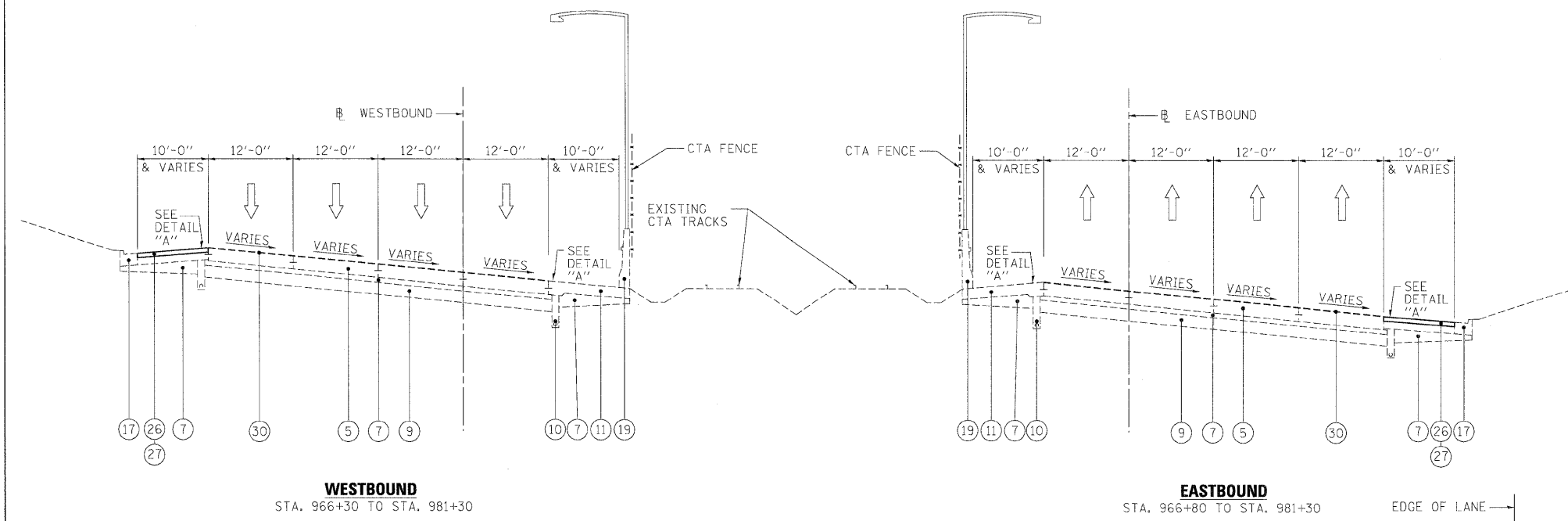
TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1RS-6	COOK	185	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



I-290 EXISTING TYPICAL SECTION



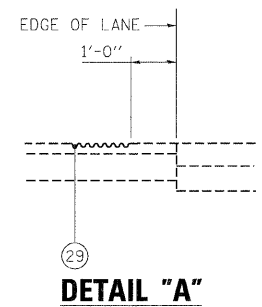
I-290 PROPOSED TYPICAL SECTION

LEGEND

- ① EXISTING HMA OVERLAY, VARIES (SEE NOTE 5)
- ② EXISTING C.R.C. PAVEMENT, 12"
- ③ EXISTING P.C.C. PAVEMENT, 10"
- ④ EXISTING C.R.C. PAVEMENT, 9"
- ⑤ EXISTING C.R.C. PAVEMENT
- ⑥ EXISTING P.C.C. BASE COURSE
- ⑦ EXISTING STABILIZED SUB-BASE, 4"
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A
- ⑨ EXISTING PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- ⑩ EXISTING PIPE UNDERDRAIN
- ⑪ EXISTING P.C.C. SHOULDER
- ⑫ EXISTING STABILIZED MEDIAN SURFACE
- ⑬ EXISTING BITUMINOUS SHOULDER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑯ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-2.12
- ⑰ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.24
- ⑱ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑲ EXISTING P.C.C. BARRIER WALL
- ⑳ EXISTING STEEL PLATE BEAM GUARDRAIL
- ㉑ HOT-MIX ASPHALT SURFACE REMOVAL 4"
- ㉒ HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4"
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL 3 1/4"
- ㉔ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉕ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉖ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ㉗ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- ㉘ NOT USED
- ㉙ PROPOSED SHOULDER RUMBLE STRIP (STD. 642001-01)
- ㉚ PROFILE DIAMOND GRINDING OF CONCRETE PAVEMENT

NOTES:

- 1. CTA TRACKS ARE UNDERGROUND
- 2. 3-LANES ONLY
- 3. OUTSIDE (AUXILLIARY) LANE SEPARATED FROM MAINLINE
- 4. 5-LANES ONLY FROM 1204+30 TO 1207+50
- 5. EXISTING HMA PAVEMENT THICKNESS 5 1/2" TO 5 3/4" ALONG FAI 290
- 6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
- 7. THE EXISTING HMA IN THE FLAG OF THE CURB AND GUTTER SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST. THESE COSTS SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS MILLING AND RESURFACING OPERATIONS MEASURED TO THE EDGE OF THE SHOULDER.
- 8. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
- 9. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.



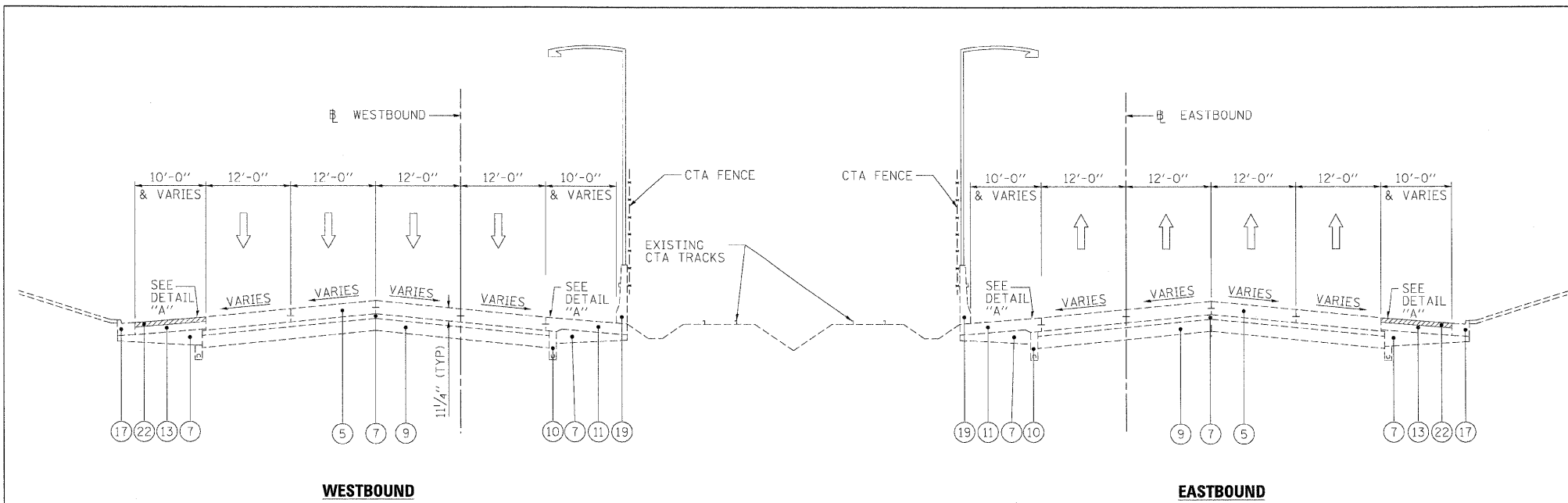
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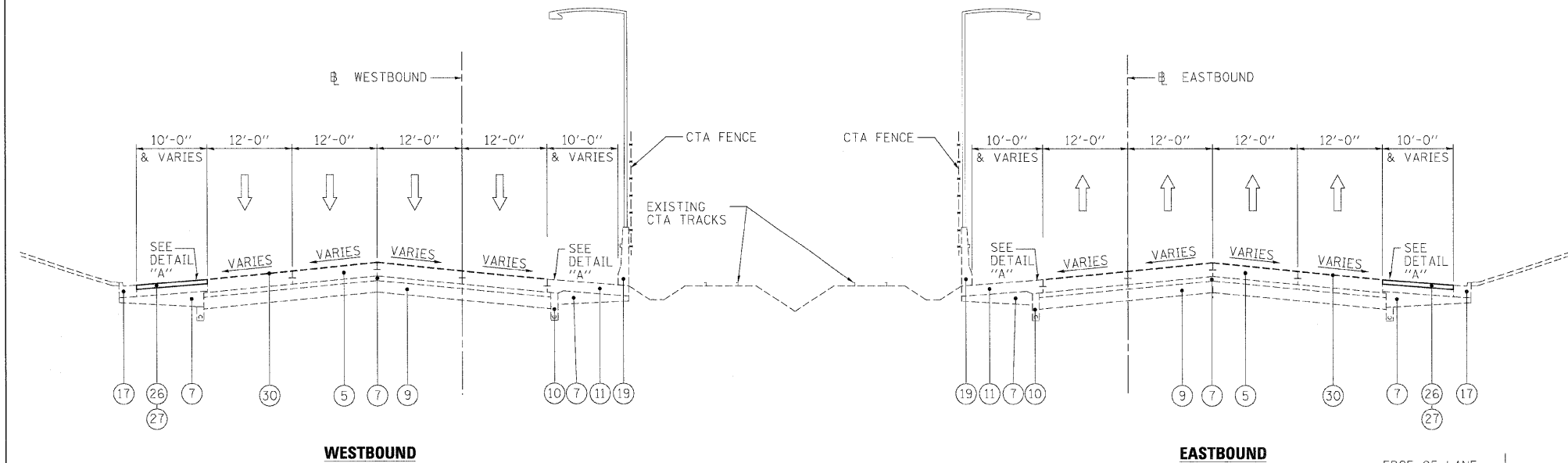
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE: N.T.S.	SHEET NO. 4 OF 7 SHEETS
STA. _____	TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.IRS-6	COOK	185	9
CONTRACT NO. 60G53				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



I-290 EXISTING TYPICAL SECTION
STA. 981+30 TO STA. 1029+30



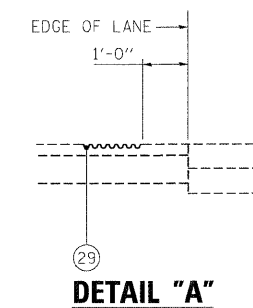
I-290 PROPOSED TYPICAL SECTION
STA. 981+30 TO STA. 1029+30

LEGEND

- ① EXISTING HMA OVERLAY, VARIES (SEE NOTE 5)
- ② EXISTING C.R.C. PAVEMENT, 12"
- ③ EXISTING P.C.C. PAVEMENT, 10"
- ④ EXISTING C.R.C. PAVEMENT, 9"
- ⑤ EXISTING C.R.C. PAVEMENT
- ⑥ EXISTING P.C.C. BASE COURSE
- ⑦ EXISTING STABILIZED SUB-BASE, 4"
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A
- ⑨ EXISTING PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- ⑩ EXISTING PIPE UNDERDRAIN
- ⑪ EXISTING P.C.C. SHOULDER
- ⑫ EXISTING STABILIZED MEDIAN SURFACE
- ⑬ EXISTING BITUMINOUS SHOULDER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑯ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-2.12
- ⑰ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.24
- ⑱ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑲ EXISTING P.C.C. BARRIER WALL
- ⑳ EXISTING STEEL PLATE BEAM GUARDRAIL
- ㉑ HOT-MIX ASPHALT SURFACE REMOVAL 4"
- ㉒ HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4"
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL 3 1/4"
- ㉔ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉕ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉖ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ㉗ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- ㉘ NOT USED
- ㉙ PROPOSED SHOULDER RUMBLE STRIP (STD. 642001-01)
- ㉚ PROFILE DIAMOND GRINDING OF CONCRETE PAVEMENT

NOTES:

1. CTA TRACKS ARE UNDERGROUND
2. 3-LANES ONLY
3. OUTSIDE (AUXILIARY) LANE SEPARATED FROM MAINLINE
4. 5-LANES ONLY FROM 1204+30 TO 1207+50
5. EXISTING HMA PAVEMENT THICKNESS 5 1/2" TO 5 3/4" ALONG FAI 290
6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
7. THE EXISTING HMA IN THE FLAG OF THE CURB AND GUTTER SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST. THESE COSTS SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS MILLING AND RESURFACING OPERATIONS MEASURED TO THE EDGE OF THE SHOULDER.
8. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
9. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.



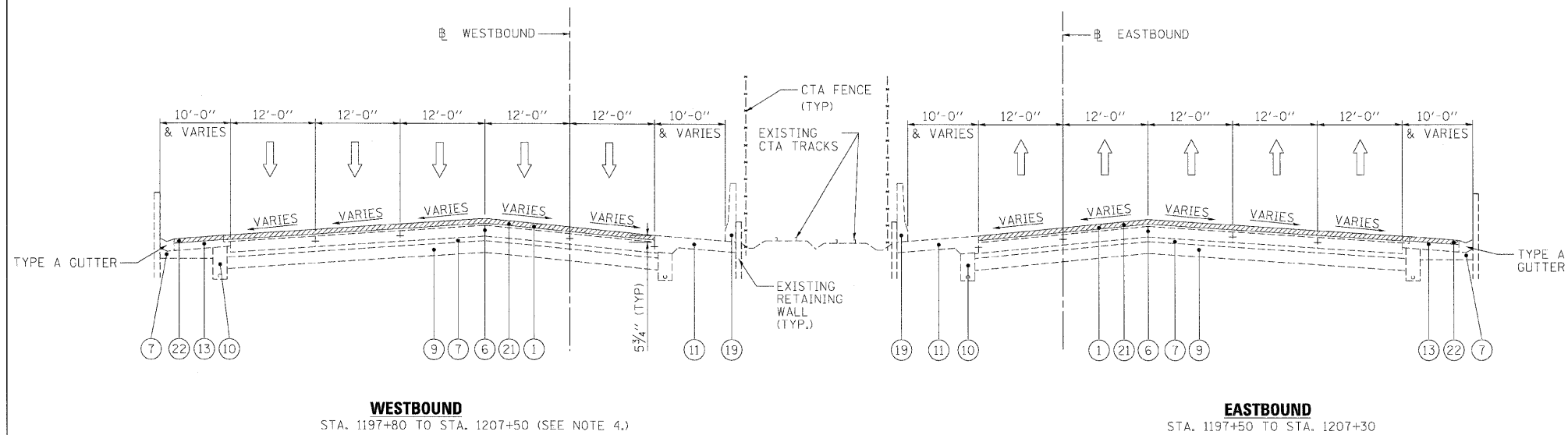
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE: N.T.S.	SHEET NO. 5 OF 7 SHEETS
STA.	TO STA.

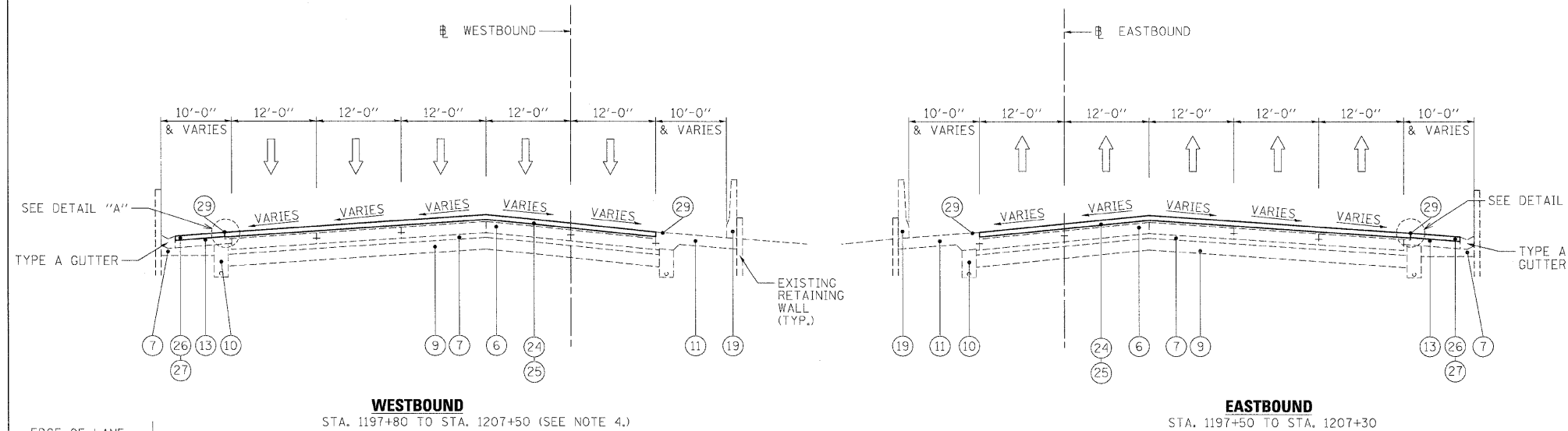
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B.D, ETC., 3031.1RS-6)		COOK	185	10
CONTRACT NO. 60G53				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



I-290 EXISTING TYPICAL SECTION

LEGEND

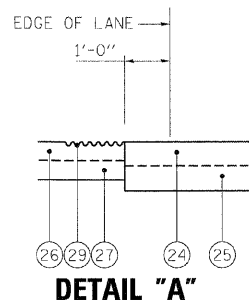
- ① EXISTING HMA OVERLAY, VARIES (SEE NOTE 5)
- ② EXISTING C.R.C. PAVEMENT, 12"
- ③ EXISTING P.C.C. PAVEMENT, 10"
- ④ EXISTING C.R.C. PAVEMENT, 9"
- ⑤ EXISTING C.R.C. PAVEMENT
- ⑥ EXISTING P.C.C. BASE COURSE
- ⑦ EXISTING STABILIZED SUB-BASE, 4"
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A
- ⑨ EXISTING PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- ⑩ EXISTING PIPE UNDERDRAIN
- ⑪ EXISTING P.C.C. SHOULDER
- ⑫ EXISTING STABILIZED MEDIAN SURFACE
- ⑬ EXISTING BITUMINOUS SHOULDER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑯ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-2.12
- ⑰ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.24
- ⑱ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑲ EXISTING P.C.C. BARRIER WALL
- ⑳ EXISTING STEEL PLATE BEAM GUARDRAIL
- ㉑ HOT-MIX ASPHALT SURFACE REMOVAL 4"
- ㉒ HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4"
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL 3 1/4"
- ㉔ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉕ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉖ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ㉗ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- ㉘ NOT USED
- ㉙ PROPOSED SHOULDER RUMBLE STRIP (STD. 642001-01)
- ㉚ PROFILE DIAMOND GRINDING OF CONCRETE PAVEMENT



I-290 PROPOSED TYPICAL SECTION

NOTES:

1. CTA TRACKS ARE UNDERGROUND
2. 3-LANES ONLY
3. OUTSIDE (AUXILIARY) LANE SEPARATED FROM MAINLINE
4. 5-LANES ONLY FROM 1204+30 TO 1207+50
5. EXISTING HMA PAVEMENT THICKNESS 5 1/2" TO 5 3/4" ALONG FAI 290
6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
7. THE EXISTING HMA IN THE FLAG OF THE CURB AND GUTTER SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST. THESE COSTS SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS MILLING AND RESURFACING OPERATIONS MEASURED TO THE EDGE OF THE SHOULDER.
8. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
9. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

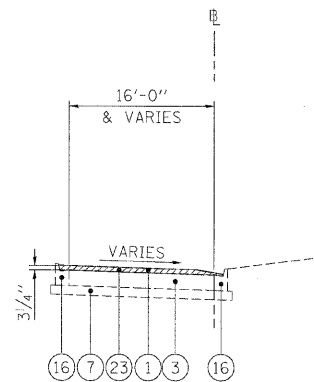


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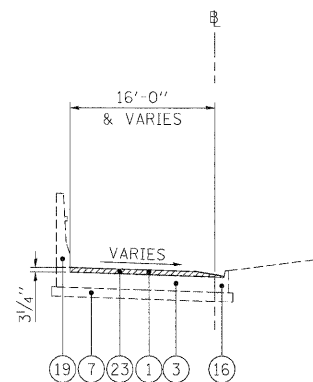
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

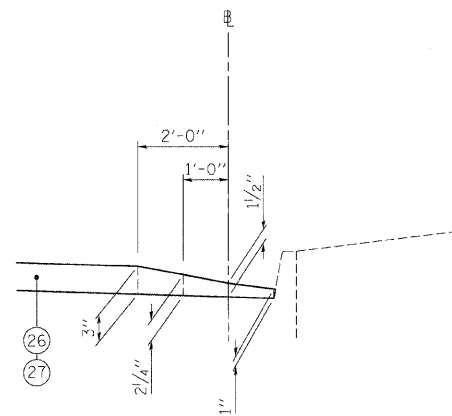
TYPICAL SECTIONS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N.T.S.	SHEET NO. 6 OF 7 SHEETS	290	(2828B,D, ETC., 3031.1RS-6	COOK	185	11
TO STA.		CONTRACT NO. 60653				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT				



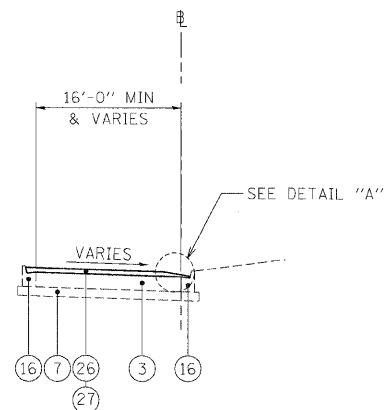
I-290 EXISTING TYPICAL SECTION
MAINLINE RAMPS



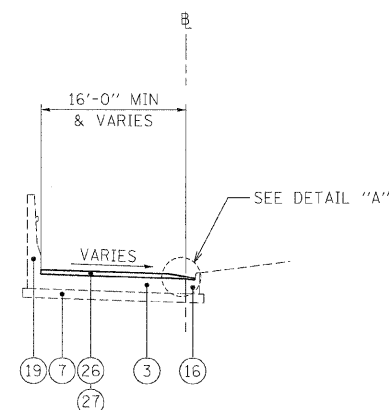
I-290 EXISTING TYPICAL SECTION
RAMPS AT KENNEDY INTERCHANGE



DETAIL "A"



I-290 PROPOSED TYPICAL SECTION
MAINLINE RAMPS



I-290 PROPOSED TYPICAL SECTION
RAMPS AT KENNEDY INTERCHANGE

LEGEND

- ① EXISTING HMA OVERLAY, VARIES (SEE NOTE 5)
- ② EXISTING C.R.C. PAVEMENT, 12"
- ③ EXISTING P.C.C. PAVEMENT, 10"
- ④ EXISTING C.R.C. PAVEMENT, 9"
- ⑤ EXISTING C.R.C. PAVEMENT
- ⑥ EXISTING P.C.C. BASE COURSE
- ⑦ EXISTING STABILIZED SUB-BASE, 4"
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A
- ⑨ EXISTING PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- ⑩ EXISTING PIPE UNDERDRAIN
- ⑪ EXISTING P.C.C. SHOULDER
- ⑫ EXISTING STABILIZED MEDIAN SURFACE
- ⑬ EXISTING BITUMINOUS SHOULDER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑯ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-2.12
- ⑰ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.24
- ⑱ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑲ EXISTING P.C.C. BARRIER WALL
- ⑳ EXISTING STEEL PLATE BEAM GUARDRAIL
- ㉑ HOT-MIX ASPHALT SURFACE REMOVAL 4"
- ㉒ HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4"
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL 3 1/4"
- ㉔ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉕ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ㉖ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ㉗ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- ㉘ NOT USED
- ㉙ PROPOSED SHOULDER RUMBLE STRIP (STD. 642001-01)
- ㉚ PROFILE DIAMOND GRINDING OF CONCRETE PAVEMENT

NOTES:

1. CTA TRACKS ARE UNDERGROUND
2. 3-LANES ONLY
3. OUTSIDE (AUXILLIARY) LANE SEPARATED FROM MAINLINE
4. 5-LANES ONLY FROM 1204+30 TO 1207+50
5. EXISTING HMA PAVEMENT THICKNESS 5 1/2" TO 5 3/4" ALONG FAI 290
6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
7. THE EXISTING HMA IN THE FLAG OF THE CURB AND GUTTER SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST. THESE COSTS SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS MILLING AND RESURFACING OPERATIONS MEASURED TO THE EDGE OF THE SHOULDER.
8. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
9. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

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benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1RS-6	COOK	185	12
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

CONTRACT 60G53
RESURFACING SCHEDULE

ALIGNMENT	DIRECTION	DESCRIPTION	STATION	STATION	POLYMERIZED HMA SURFACE COURSE, SMA, N80 (TON)	POLYMERIZED HMA BINDER COURSE, SMA, N80 (TON)	HMA SURFACE COURSE, MIX D, N70 (TON)	HMA BINDER COURSE, IL-19.0, N70 (TON)	HMA SURFACE REMOVAL, 3-1/4" (SQ YD)	HMA SURFACE REMOVAL, 3-3/4" (SQ YD)	HMA SURFACE REMOVAL, 4" (SQ YD)	PROFILE DIAMOND GRINDING CONCRETE PAVEMENT (SQ YD)
290	EB	MAINLINE	872+00	887+48	1,209	1,003					8,953	
290	EB	OUTSIDE SHLDR	872+00	876+67			44	66		524		
290	WB	MAINLINE	872+00	887+38	1,252	1,039					9,274	
290	WB	OUTSIDE SHLDR	872+00	875+54			36	54		432		
290	WB	RAMP/AUXILLARY	875+54	884+26			138	207		1,641		
290	EB	RAMP/AUXILLARY	876+67	880+48			80	120		952		
290	EB	OUTSIDE SHLDR	880+48	887+48			62	93		737		
290	EB	RAMP	880+48	889+14			206	309	2,452			
290	WB	RAMP	884+25	889+56			91	137	1,085			
290	WB	OUTSIDE SHLDR	884+26	887+38			37	56		443		
290	EB	RAMP	890+37	899+05			197	296	2,349			
290	WB	MAINLINE	892+26	906+71	1,053	874					7,802	
290	WB	OUTSIDE SHLDR	892+26	899+87			76	114		904		
290	EB	MAINLINE	892+38	903+51	811	673					6,005	
290	EB	OUTSIDE SHLDR	892+38	899+05			68	102		809		
290	WB	RAMP	894+54	899+87			76	114	906			
290	EB	RAMP/AUXILLARY	899+05	907+19			177	266		2,111		
290	WB	RAMP/AUXILLARY	899+87	907+86			192	288		2,286		
290	EB	MAINLINE	903+51	916+05	921	764					6,820	
290	WB	MAINLINE	906+71	986+30	4,359	3,617					32,291	
290	EB	OUTSIDE SHLDR	907+19	924+52			193	290		2,303		
290	WB	OUTSIDE SHLDR	907+86	925+27			215	322		2,557		
290	EB	MAINLINE	916+05	966+80	3,719	3,086					27,550	
290	WB	RAMP	921+40	925+27			69	104	827			
290	EB	RAMP	921+71	924+52			47	71	561			
290	EB	RAMP/AUXILLARY	924+52	935+03			235	353		2,803		
290	WB	RAMP/AUXILLARY	927+27	934+55			205	308		2,443		
290	WB	OUTSIDE SHLDR	934+55	966+30			390	585		4,639		
290	WB	RAMP	934+55	937+83			52	78	616			
290	EB	OUTSIDE SHLDR	935+03	966+80			300	450		3,574		
290	EB	RAMP	935+03	938+56			60	90	713			
290	WB	OUTSIDE SHLDR	966+30	978+50			163	244		1,937		
290	EB	OUTSIDE SHLDR	966+80	976+98			111	167		1,325		
290	EB	RAMP	971+16	977+38			154	231	1,832			
290	WB	RAMP	974+21	978+50			91	137	1,084			
290	EB	RAMP/AUXILLARY	976+98	980+34			47	71		560		
290	WB	RAMP/AUXILLARY	978+50	981+40			95	142		1,129		
290	EB	OUTSIDE SHLDR	980+34	1001+84			210	315		2,499		
290	WB	OUTSIDE SHLDR	981+40	1003+70			256	384		3,045		
290	EB	RAMP/AUXILLARY	1001+84	1003+78			58	88		696		
290	WB	RAMP/AUXILLARY	1003+70	1004+36			26	39		307		
290	EB	OUTSIDE SHLDR	1003+78	1019+88			182	273		2,164		
290	EB	RAMP	1003+78	1008+26			72	108	859			
290	WB	OUTSIDE SHLDR	1004+36	1019+81			188	282		2,238		
290	WB	RAMP	1004+36	1007+42			46	69	547			
290	EB	RAMP	1016+14	1019+88			56	84	667			
290	WB	RAMP	1016+26	1019+81			53	80	637			
290	WB	RAMP/AUXILLARY	1019+81	1021+12			34	52		410		
290	EB	RAMP/AUXILLARY	1019+88	1021+36			33	49		392		
290	WB	OUTSIDE SHLDR	1021+12	1029+30			91	136		1,079		
290	EB	OUTSIDE SHLDR	1022+73	1029+30			58	87		693		
290	EB	MAINLINE	1029+30	1058+47	2,129	1,766					15,770	
290	EB	OUTSIDE SHLDR	1029+30	1047+40						2,275		
290	WB	MAINLINE	1029+30	1059+29	2,182	1,811					16,166	
290	WB	OUTSIDE SHLDR	1029+30	1045+67			201	302		2,397		
290	WB	RAMP	1040+53	1045+67			76	113	899			
290	EB	RAMP	1042+30	1047+40			78	116	925			
290	WB	RAMP/AUXILLARY	1045+67	1048+08			73	109		866		
290	EB	RAMP/AUXILLARY	1047+40	1049+08			41	61		487		
290	WB	OUTSIDE SHLDR	1048+08	1056+93			150	226		1,791		
290	EB	OUTSIDE SHLDR	1049+08	1056+65			134	202		1,600		
290	EB	RAMP/AUXILLARY	1056+65	1058+43			64	95		758		
290	WB	RAMP/AUXILLARY	1056+93	1058+87			48	72		574		
290	EB	OUTSIDE SHLDR	1058+43	1083+10			256	384		3,049		
290	EB	RAMP	1058+43	1083+97			170	255	2,023			
290	EB	MAINLINE	1058+47	1116+50	4,252	3,528					31,497	
290	WB	OUTSIDE SHLDR	1058+87	1079+97			221	332		2,637		
290	WB	RAMP	1058+87	1064+33			83	124	983			
290	WB	MAINLINE	1059+29	1116+25	4,180	3,468					30,961	
290	WB	RAMP/AUXILLARY	1079+97	1088+20			169	254		2,013		
290	WB	RAMP	1081+14	1086+88			86	129	1,023			
290	EB	RAMP	1081+55	1086+44			85	127	1,010			
290	EB	RAMP/AUXILLARY	1083+10	1087+76			111	167		1,326		
290	EB	RAMP/AUXILLARY	1087+76	1094+75			329	494		3,920		
290	WB	RAMP/AUXILLARY	1088+20	1095+16			287	430		3,414		
290	EB	RAMP/AUXILLARY	1094+75	1103+41			190	285		2,265		
290	WB	RAMP/AUXILLARY	1095+16	1099+91			117	176		1,397		
290	EB	RAMP	1096+03	1100+66			71	107		850		
290	WB	RAMP	1096+68	1100+79			74	111		880		

CONTRACT 60G53
RUMBLE STRIP SCHEDULE

I-290 WESTBOUND - INSIDE SHOULDER			
STATION TO STATION		RUMBLE STRIP LENGTH (FOOT)	SHOULDER SURFACE TYPE
879+05	887+49	836	CONCRETE
892+36	1214+96	32,291	CONCRETE
TOTAL		33,127	

CONTRACT 60G53
RUMBLE STRIP SCHEDULE

I-290 WESTBOUND - OUTSIDE SHOULDER			
STATION TO STATION		RUMBLE STRIP LENGTH (FOOT)	SHOULDER SURFACE TYPE
872+00	875+43	343	HMA
884+38	887+49	311	HMA
892+36	899+86	766	HMA
907+85	925+30	1,746	HMA
934+54	978+48	4,397	HMA
984+91	996+29	1,138	HMA
1004+31	1019+77	1,546	HMA
1023+19	1045+74	2,241	HMA
1059+00	1079+89	2,117	HMA
1088+11	1095+07	696	HMA
1099+82	1116+82	1,636	HMA
1126+27	1137+58	1,129	HMA
1145+61	1166+05	2,045	HMA
1177+89	1202+11	2,430	HMA
1210+55	1215+00	442	HMA
TOTAL		22,983	

CONTRACT 60G53
RUMBLE STRIP SCHEDULE

I-290 EASTBOUND - INSIDE SHOULDER			
STATION TO STATION		RUMBLE STRIP LENGTH (FOOT)	SHOULDER SURFACE TYPE
876+91	887+48	1,054	CONCRETE
892+38	1214+90	32,259	CONCRETE
TOTAL		33,313	

CONTRACT 60G53
RUMBLE STRIP SCHEDULE

I-290 EASTBOUND - OUTSIDE SHOULDER			
STATION TO STATION		RUMBLE STRIP LENGTH (FOOT)	SHOULDER SURFACE TYPE
872+00	876+67	467	HMA
880+48	887+48	703	HMA
892+38	899+05	663	HMA
907+19	924+54	1,735	HMA
935+03	976+97	4,199	HMA
985+87	998+61	1,274	HMA
1003+78	1019+88	1,610	HMA
1026+79	1047+40	2,066	HMA
1058+43	1083+10	2,462	HMA
1087+76	1095+33	758	HMA
1103+41	1116+50	1,308	HMA
1124+96	1136+66	1,170	HMA
1144+66	1164+87	2,022	HMA
1174+28	1176+52	2,168	HMA
1209+10	1214+90	581	HMA
TOTAL		23,186	

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benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	13
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CONTRACT 60G53
RESURFACING SCHEDULE

LOCATION					POLYMERIZED HMA SURFACE COURSE, SMA, N80	POLYMERIZED HMA BINDER COURSE, SMA, N80	HMA SURFACE COURSE, MIX D, N70	HMA BINDER COURSE, IL-19.0, N70	HMA SURFACE REMOVAL, 3-1/4"	HMA SURFACE REMOVAL, 3-3/4"	HMA SURFACE REMOVAL, 4"	PROFILE DIAMOND GRINDING CONCRETE PAVEMENT
ALIGNMENT	DIRECTION	DESCRIPTION	STATION	STATION	(TON)	(TON)	(TON)	(TON)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
290	WB	OUTSIDE SHLDR	1099+91	1116+25			215	322		2,557		
290	EB	OUTSIDE SHLDR	1103+41	1116+50			137	205		1,627		
290	EB	RAMP	1113+76	1116+50			47	71	562			
290	WB	RAMP	1114+34	1116+25			46	69	549			
290	WB	MAINLINE	1116+25	1146+18	2,172	1,802					16,091	
290	WB	RAMP/AUXLLARY	1116+25	1126+37			257	385		3,059		
290	EB	MAINLINE	1116+50	1144+66	2,046	1,698					15,157	
290	EB	RAMP/AUXLLARY	1116+50	1124+96			194	290		2,305		
290	EB	OUTSIDE SHLDR	1124+96	1136+66			136	204		1,622		
290	WB	OUTSIDE SHLDR	1127+01	1137+67			109	164		1,301		
290	EB	RAMP	1133+50	1136+66			50	75	597			
290	WB	RAMP	1134+76	1137+67			44	66	522			
290	EB	RAMP/AUXLLARY	1136+66	1144+65			238	357		2,832		
290	WB	RAMP/AUXLLARY	1137+67	1145+70			260	389		3,091		
290	EB	OUTSIDE SHLDR	1144+65	1164+87			206	309		2,450		
290	EB	RAMP	1144+65	1148+25			61	91	720			
290	EB	MAINLINE	1144+66	1197+50	3,866	3,208					28,639	
290	WB	OUTSIDE SHLDR	1145+70	1166+13			217	325		2,579		
290	WB	RAMP	1145+70	1148+73			51	76	604			
290	WB	MAINLINE	1146+18	1197+80	3,776	3,133					27,973	
290	EB	RAMP	1161+03	1164+87			76	114	907			
290	WB	RAMP	1162+51	1165+13			76	114	903			
290	EB	RAMP/AUXLLARY	1164+87	1174+28			303	455		3,608		
290	WB	RAMP/AUXLLARY	1165+13	1178+02			392	588		4,665		
290	EB	OUTSIDE SHLDR	1174+28	1195+98			182	273		2,171		
290	EB	RAMP	1174+28	1178+25			90	134	1,067			
290	WB	OUTSIDE SHLDR	1178+02	1202+31			266	399		3,167		
290	WB	RAMP	1178+02	1182+30			72	108	859			
290	EB	RAMP/AUXLLARY	1195+98	1206+74			168	253		2,005		
290	EB	MAINLINE	1197+50	1203+84	458	380					3,390	
290	WB	MAINLINE	1197+80	1207+50	647	537					4,791	
290	WB	RAMP	1199+20	1202+31			62	93	741			
290	WB	RAMP/AUXLLARY	1202+31	1210+57			466	699		5,547		
290	EB	MAINLINE	1203+84	1214+90	606	503					4,492	
290	EB	RAMP/AUXLLARY	1206+74	1209+10			36	54		425		
290	EB	RAMP	1206+74	1214+70			385	577	4,582			
290	WB	MAINLINE	1207+50	1215+15	420	349					3,113	
290	WB	RAMP	1209+09	1214+33			223	335	2,657			
290	EB	OUTSIDE SHLDR	1209+10	1214+90			111	167		1,325		
290	WB	OUTSIDE SHLDR	1210+57	1215+15			97	146		1,158		
290	WB	MAINLINE	966+25	1029+34							34,940	
290	EB	MAINLINE	966+30	1029+30							34,686	
TOTAL					40,059	33,234	13,851	20,777	39,000	125,896	296,736	69,625

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#	DRAWN - TMB	REVISED -			290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	14				
USER NAME = #USER#	CHECKED - JMM	REVISED -			SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS STA. TO STA.				CONTRACT NO. 60G53				
PLOT DATE = #DATE#	DATE - 10/16/09	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT						

CONTRACT 60G53
BARRIER, GUARD RAIL, & CURB SCHEDULE

LOCATION				STEEL PLATE BEAM GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	STEEL PLATE BEAM GUARDRAIL, TYPE B	TRAFFIC BARRIER TERMINAL, TYPE 5	TRAFFIC BARRIER TERMINAL, TYPE 1B	CONCRETE BARRIER REMOVAL AND REPLACEMENT, SINGLE FACE	CONCRETE BARRIER REMOVAL AND REPLACEMENT, DOUBLE FACE	COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
ALIGNMENT	DIRECTION	SIDE	STARTING STATION	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
Central Ramp	EB	L									1,630		1,630	
Central Ramp	EB	R									1,630		1,630	
290 Exit Ramp to Central	EB	R	Attach to edge of existing barrier wall		250		1	1						
290 RAMP	WB	L	947+90									10		
290 RAMP	WB	L	939+50								100		100	
290 RAMP	WB	R	977+00									5		
290 RAMP	WB	R	977+70									10		
290 RAMP	WB	R	1041+90									10		
290 RAMP	WB	L	1062+50									10		
290 RAMP	WB	R	1062+50							30			30	
290 RAMP	WB	R	1062+80							30			30	
290 RAMP	WB	R	1063+00									10		
290 RAMP	WB	L	1082+00								15		15	
290 RAMP	WB	L	1085+30									5		
290 RAMP	EB	L	1083+50								146		146	
290 RAMP	WB	R	1097+00								15		15	
290 RAMP	WB	R	1098+50								50		50	
290 RAMP	WB	L	1099+60								50		50	
290 RAMP	WB	L	1113+00									5		
290 RAMP	WB	L	1134+90									5		
290 RAMP	WB	R	1146+50								50		50	
290 RAMP	WB	L	1179+80									5		
290 RAMP	WB	R	1180+30								20			20
290	WB	L	898+95									10		
290	WB	L	910+00									10		
290 RAMP	WB	R	924+50									5		
290	WB	L	941+20									5		
290	WB	L	947+00									5		
290	WB	L	969+20									5		
290	WB	L	1099+00									10		
290	WB	L	1109+50									5		
290	WB	L	1114+80									5		
290 RAMP	EB	R	1145+50									8		
290 RAMP	EB	L	1146+00								58			58
290 RAMP	EB	R	1146+00								86			86
290 RAMP	EB	L	1161+80								12			12
290 RAMP	EB	R	1164+00								51			51
290	EB	R	1172+50								50			50
290	EB	R	1175+10								76			76
290 RAMP	EB	R	1178+20								90			90
290 RAMP	WB	R	1186+30	25		25								
290 RAMP	WB	R	1006+50	25		25								
290	WB	R	920+80						15					
290	WB	R	931+40						10					
290	WB	R	963+50						10					
290	WB	R	971+70						10					
290	EB	L	971+70							50				
290	WB	R	978+50						5					
290	WB	L	1004+50							10				
290	WB	R	1043+00							20				
290	WB	R	1071+50							40				
290	WB	R	1113+00							30				
290	WB	R	1133+80							50				
290	WB	R	1175+50							35				
290	WB	R	1205+50							10				
TOTAL				50	250	50	1	1	235	60	4,189	143	3,746	443

CONTRACT 60G53
TEMPORARY INFORMATION SIGNING - STAGE 1

STATION	LEGEND/DESCRIPTION	PANEL COVER DIMENSIONS		PANEL COVER AREA (SQ FT)
		WIDTH (FT)	HEIGHT (FT)	
885+00	COVER	2.0	2.5	5.0
895+10	COVER	2.0	2.5	5.0
885+00	ARROW	2.0	2.0	4.0
895+10	ARROW	2.0	2.0	4.0
TOTAL				18.0

CONTRACT 60G53
TEMPORARY INFORMATION SIGNING - STAGE 2

STATION	LEGEND/DESCRIPTION	PANEL COVER DIMENSIONS		PANEL COVER AREA (SQ FT)
		WIDTH (FT)	HEIGHT (FT)	
879+50	COVER	2.0	8.0	16.0
885+00	LEFT LANE	2.0	15.0	30.0
895+10	LEFT 1/4 MILE	2.0	15.0	30.0
TOTAL				76.0

CONTRACT 60G53
TEMPORARY PAVEMENT MARKING AND TEMPORARY IMPACT ATTENUATOR SCHEDULE

STAGE	TEMPORARY PAVEMENT MARKING - LINE 6"	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5 INCH	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 8 INCH	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 12 INCH	WET REFLECTIVE TEMPORARY TAPE, TYPE III, LETTERS & SYMBOLS	PAVEMENT MARKING REMOVAL	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	EPOXY PAVEMENT MARKING - LINE 4 INCH	EPOXY PAVEMENT MARKING - LINE 5 INCH	EPOXY PAVEMENT MARKING - LINE 8 INCH	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3
	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)
1	1989	26,692	2,123	21,126	2,470	145	14,439					2	
2	1878	38,340	9,214	8,008	230		3,106						2
RESURFACING		5,981	10,440	4,593	706			654	299,013	154,361	86,047		
	3867	71,013	21,777	33,727	3,406	145	17,545	654	299,013	154,361	86,047	2	2

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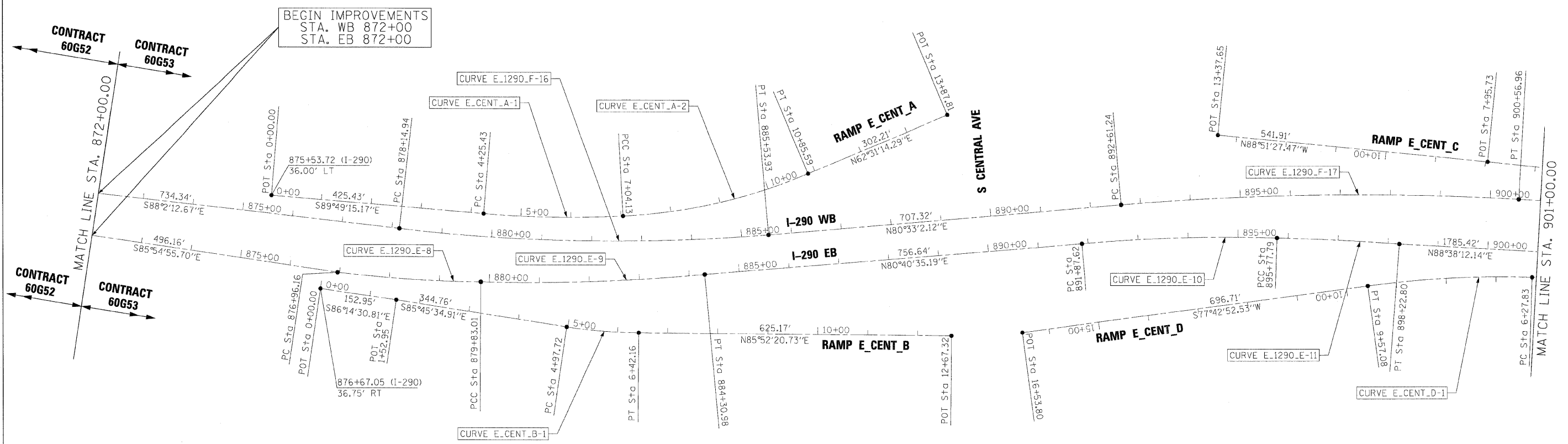
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031)RS-6	COOK	185	15
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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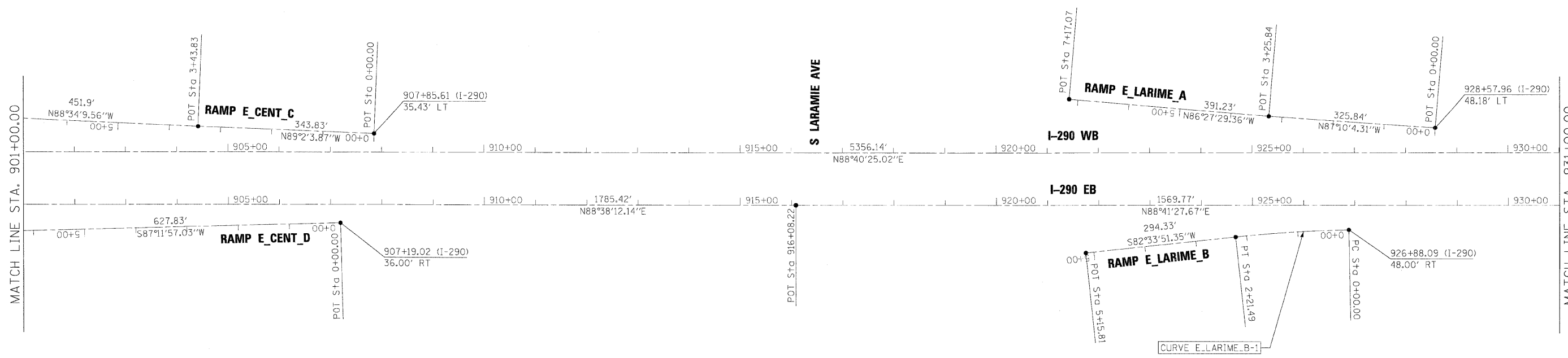
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
P.O.B. TO STA 901+00**

SCALE: 1"=100' SHEET NO. 1 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031, JRS-6	COOK	185	16
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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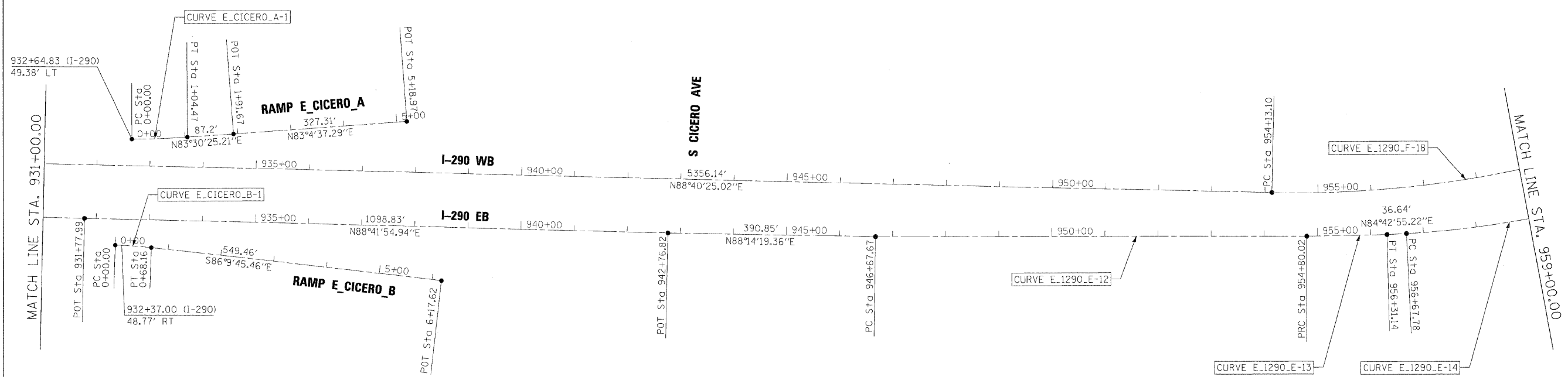
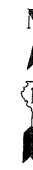
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
STA 901+00 TO STA 931+00**

SCALE: 1"=100' SHEET NO. 2 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031)RS-6	COOK	185	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	

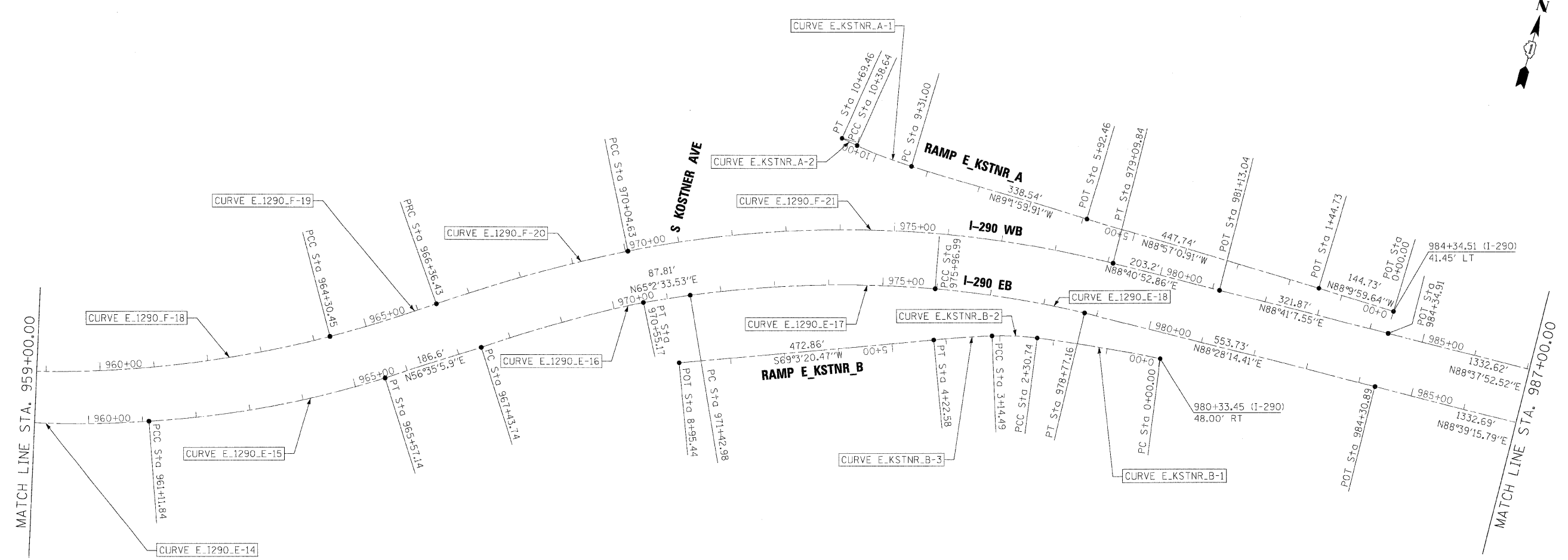


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT PLAN	
STA 931+00 TO STA 959+00	
SCALE: 1"=100'	SHEET NO. 3 OF 33 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	18
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60G53				



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
STA 959+00 TO STA 987+00**

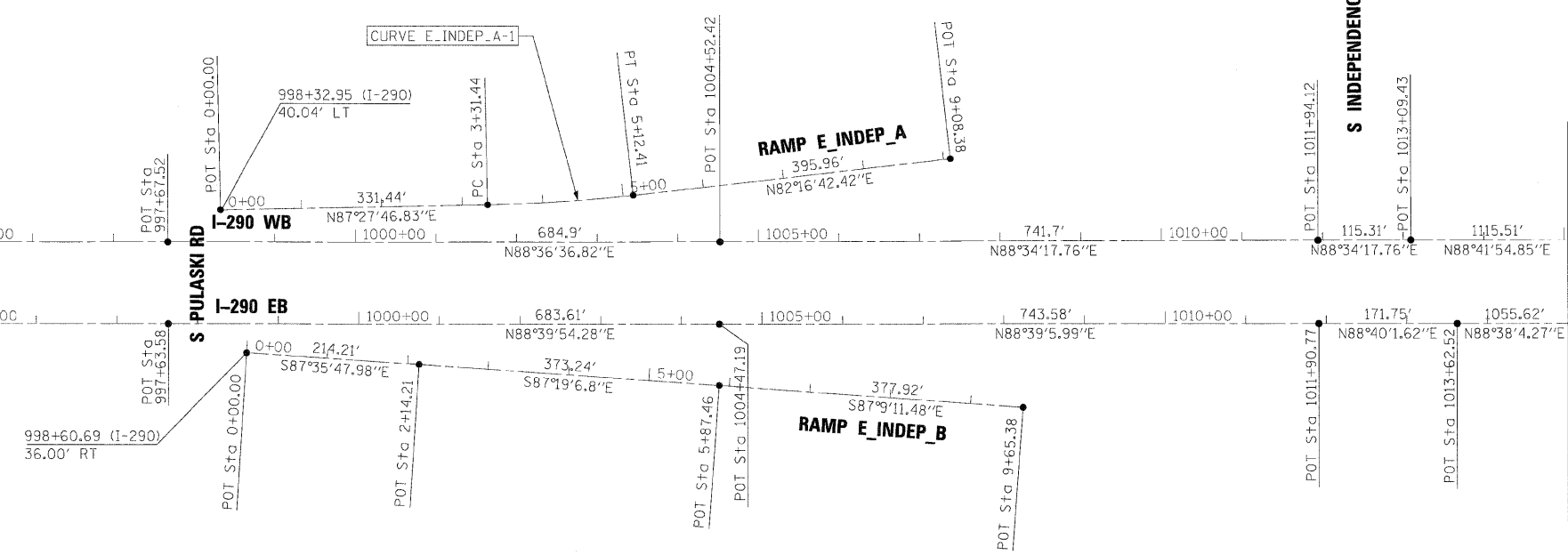
SCALE: 1"=100' SHEET NO. 4 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	19
CONTRACT NO. 60C53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 987+00.00

MATCH LINE STA. 1015+00.00



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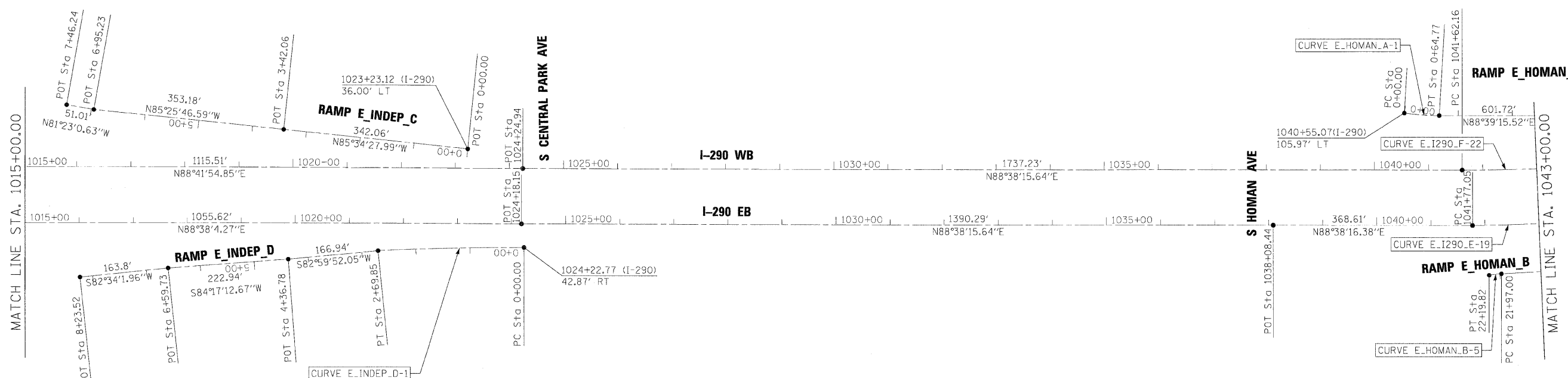
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
STA 987+00 TO STA 1015+00**

SCALE: 1"=100' SHEET NO. 5 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1)RS-6	COOK	185	20
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

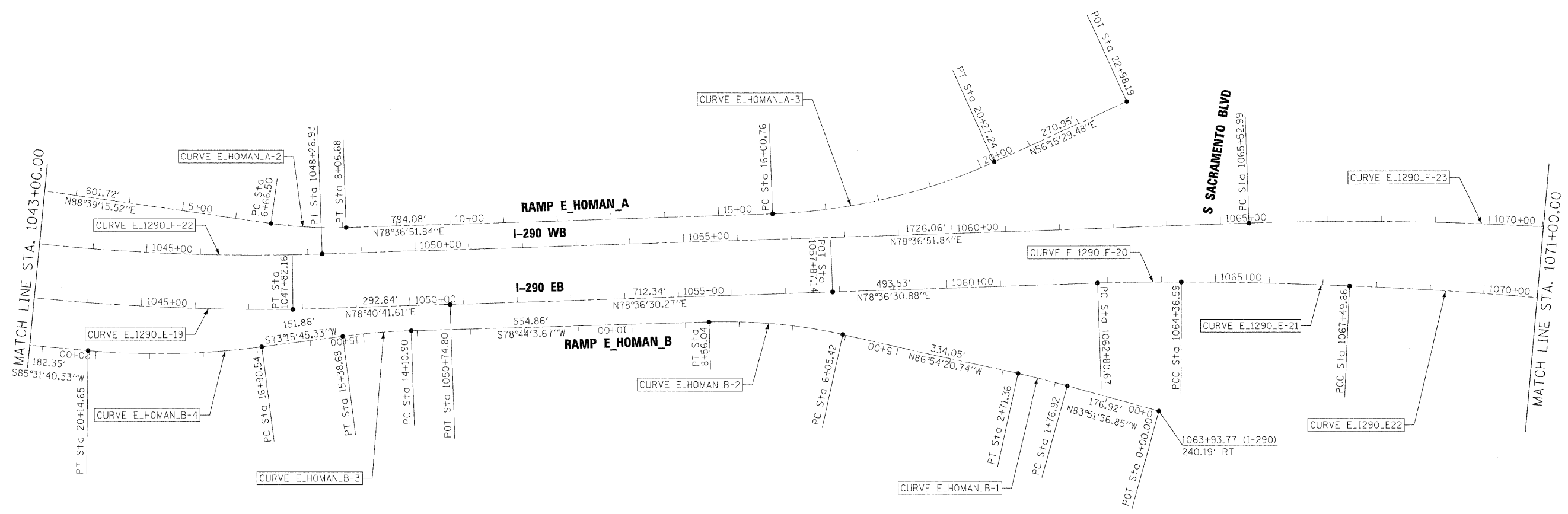
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
STA 1015+00 TO STA 1043+00**

SCALE: 1"=100' SHEET NO. 6 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	21
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	DESIGNED - CAG	REVISED -
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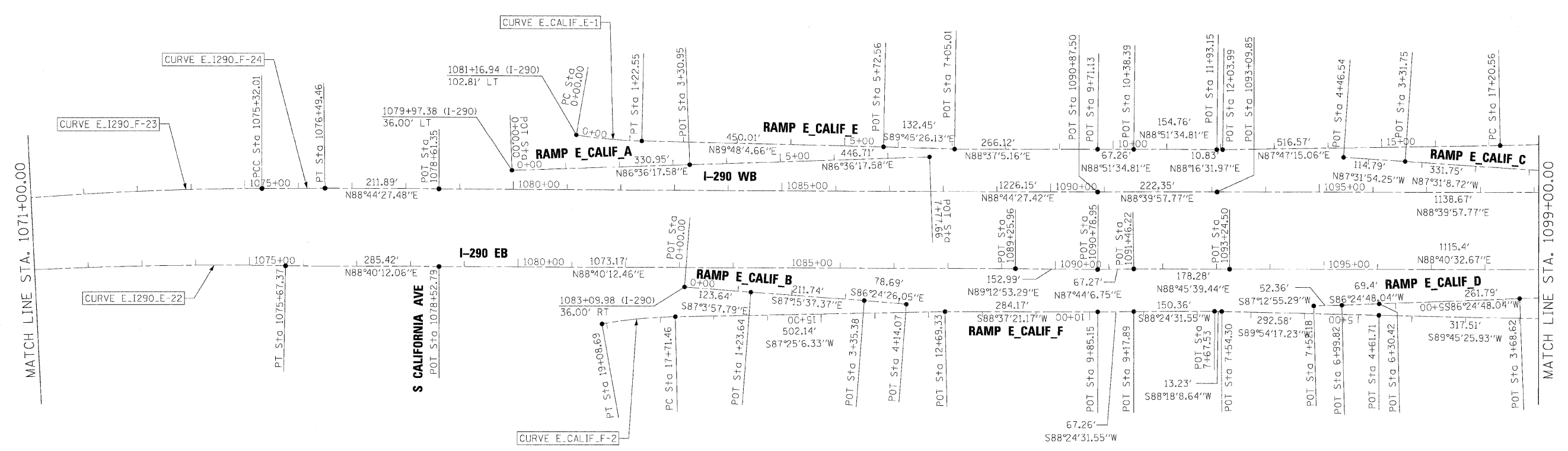
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
STA 1043+00 TO STA 1071+00**

SCALE: 1"=100' SHEET NO. 7 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



FILE NAME =	DESIGNED - CAG	REVISED -
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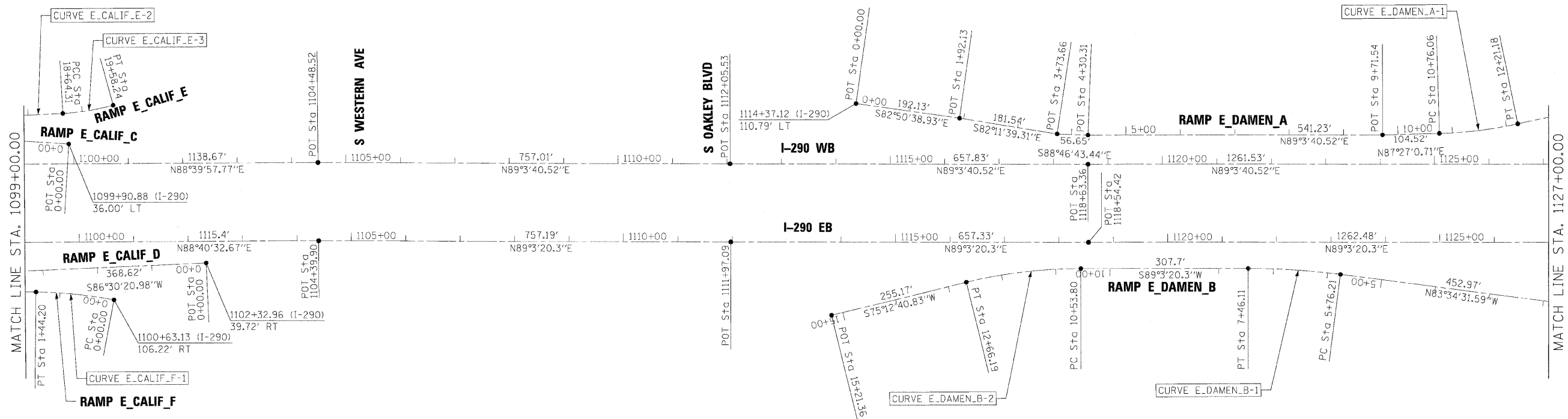
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
STA 1071+00 TO STA 1099+00**

SCALE: 1"=100' SHEET NO. 8 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,IRS-6	COOK	185	23
CONTRACT NO. 60C53				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



FILE NAME -	DESIGNED - CAG	REVISED -
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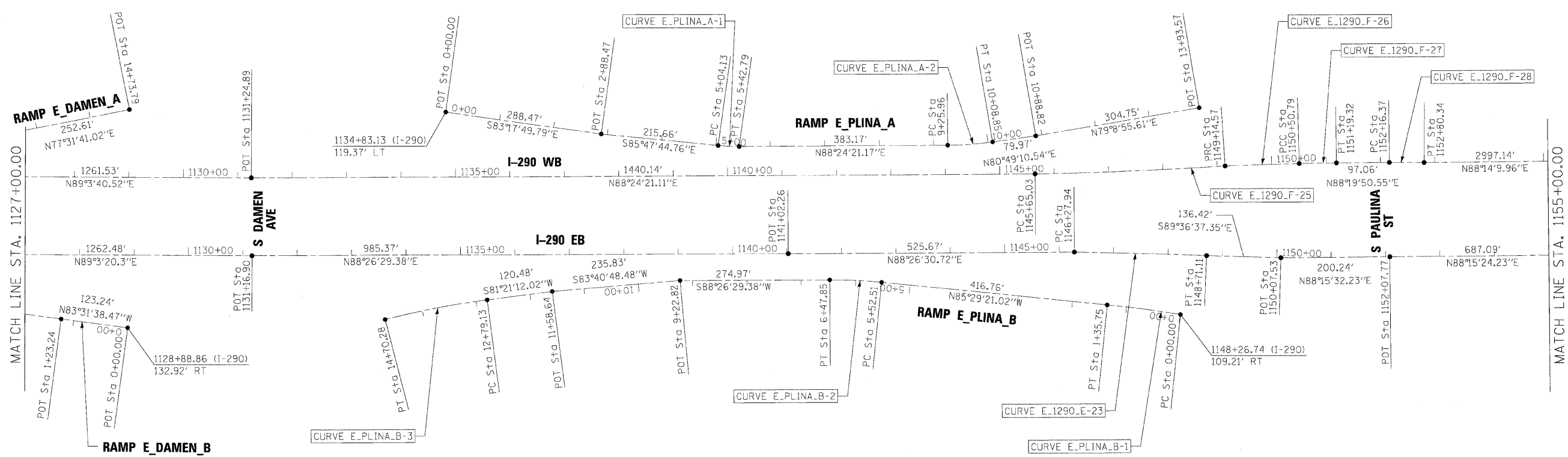
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
STA 1099 + 00 TO STA 1127 + 00**

SCALE: 1"=100' SHEET NO. 9 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1)RS-6	COOK	185	24
CONTRACT NO. 60653				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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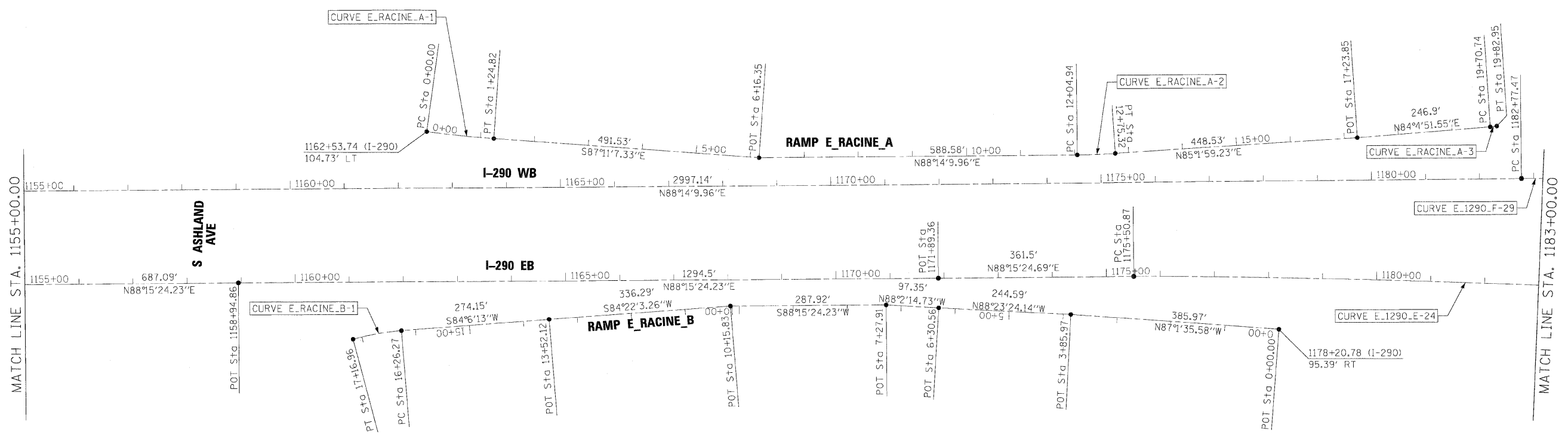
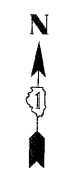
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
STA 1127+00 TO STA 1155+00**

SCALE: 1"=100' SHEET NO. 10 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1)RS-6	COOK	185	25
CONTRACT NO. 60C53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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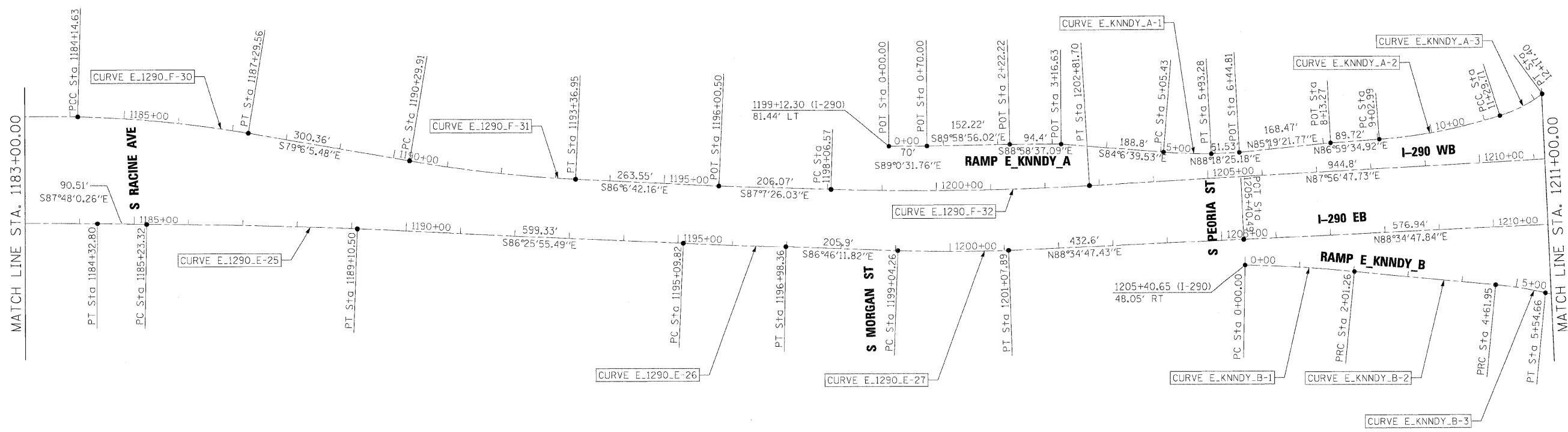
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
STA 1155+00 TO STA 1183+00**

SCALE: 1"=100' SHEET NO. 11 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1)RS-6	COOK	185	26
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60C53	



FILE NAME =	DESIGNED - CAG	REVISED -
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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
STA 1183+00 TO STA 1211+00**

SCALE: 1"=100' SHEET NO. 12 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1)RS-6	COOK	185	27
CONTRACT NO. 60C53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME -	DESIGNED - CAG	REVISED -
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USER NAME = wblenk	CHECKED - CAR	REVISED -
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT PLAN
STA 1211+00 TO P.O.E.
 SCALE: 1"=100' SHEET NO. 13 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	28
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

I-290 EB

Curve Data

Course from 151 to PC E I290 E-8 S 85° 59' 55.70" E Dist 496.1552
 Curve E I290 E-8
 P.I. Station 878+39.74 N 1,895,965.3955 E 1,138,047.7690
 Delta = 6° 30' 53.11" (LT)
 Degree = 2° 16' 16.10"
 Tangent = 143.5794
 Length = 286.8495
 Radius = 2,522.7759
 External = 4.0825
 Long Chord = 286.6950
 Mid. Ord. = 4.0759
 P.C. Station 876+96.16 N 1,895,970.9201 E 1,137,904.2959
 P.T. Station 879+83.01 N 1,895,976.1848 E 1,138,190.9425
 C.C. N 1,898,491.8278 E 1,138,001.3671
 Back = S 87° 47' 41.39" E
 Ahead = N 85° 41' 25.49" E
 Chord Bear = N 88° 56' 52.05" E

Curve Data

Curve E I290 E-9
 P.I. Station 882+07.25 N 1,895,988.5749 E 1,138,414.8455
 Delta = 6° 45' 34.97" (LT)
 Degree = 1° 30' 32.27"
 Tangent = 224.2456
 Length = 447.9708
 Radius = 3,797.0299
 External = 6.6160
 Long Chord = 447.7111
 Mid. Ord. = 6.6045
 P.C. Station 879+83.01 N 1,895,976.1848 E 1,138,190.9425
 P.T. Station 884+30.98 N 1,896,027.2335 E 1,138,635.7337
 C.C. N 1,899,767.4145 E 1,137,981.1482
 Back = N 86° 49' 57.61" E
 Ahead = N 80° 04' 22.63" E
 Chord Bear = N 83° 27' 10.12" E

Course from PT E I290 E-9 to PC E I290 E-10 N 80° 40' 35.19" E Dist 756.6413

Curve Data

Curve E I290 E-10
 P.I. Station 893+82.95 N 1,896,183.2643 E 1,139,574.8277
 Delta = 7° 05' 42.40" (RT)
 Degree = 1° 49' 06.52"
 Tangent = 195.3335
 Length = 390.1677
 Radius = 3,150.7566
 External = 6.0491
 Long Chord = 389.9185
 Mid. Ord. = 6.0375
 P.C. Station 891+87.62 N 1,896,149.8166 E 1,139,382.3791
 P.T. Station 895+77.79 N 1,896,192.6853 E 1,139,769.9339
 C.C. N 1,893,045.5954 E 1,139,921.8948
 Back = N 80° 08' 25.60" E
 Ahead = N 87° 14' 07.99" E
 Chord Bear = N 83° 41' 16.79" E

Curve Data

Curve E I290 E-11
 P.I. Station 897+00.32 N 1,896,199.7159 E 1,139,892.2671
 Delta = 3° 01' 39.97" (RT)
 Degree = 1° 14' 08.73"
 Tangent = 122.5350
 Length = 245.0130
 Radius = 4,636.4864
 External = 1.6189
 Long Chord = 244.9845
 Mid. Ord. = 1.6184
 P.C. Station 895+77.79 N 1,896,192.6853 E 1,139,769.9339
 P.T. Station 898+22.80 N 1,896,200.2751 E 1,140,014.8008
 C.C. N 1,891,563.8370 E 1,140,035.9596
 Back = N 86° 42' 38.73" E
 Ahead = N 89° 44' 18.70" E
 Chord Bear = N 88° 13' 28.71" E

I-290 EB

Course from PT E I290 E-11 to 152 N 88° 38' 12.14" E Dist 1,785.4184

Point 152 N 1,896,242.7533 E 1,141,799.7139 Sta 916+08.22

Course from 152 to 153 N 88° 41' 27.67" E Dist 1,569.7732

Point 153 N 1,896,278.6133 E 1,143,369.0774 Sta 931+77.99

Course from 153 to 154 N 88° 41' 54.94" E Dist 1,098.8350

Point 154 N 1,896,303.5698 E 1,144,467.6289 Sta 942+76.82

Course from 154 to PC E I290 E-12 N 88° 14' 19.36" E Dist 390.8488

Curve Data

Curve E I290 E-12
 P.I. Station 950+73.85 N 1,896,334.9802 E 1,145,264.0036
 Delta = 0° 07' 22.68" (RT)
 Degree = 0° 00' 54.49"
 Tangent = 406.1740
 Length = 812.3476
 Radius = 378,510.8663
 External = 0.2179
 Long Chord = 812.3475
 Mid. Ord. = 0.2179
 P.C. Station 946+67.67 N 1,896,315.5827 E 1,144,858.2931
 P.T. Station 954+80.02 N 1,896,353.5069 E 1,145,669.7548
 C.C. N 1,518,236.5948 E 1,162,934.6519
 Back = N 87° 15' 45.76" E
 Ahead = N 87° 23' 08.44" E
 Chord Bear = N 87° 19' 27.10" E

Curve Data

Curve E I290 E-13
 P.I. Station 955+55.58 N 1,896,358.0712 E 1,145,745.1771
 Delta = 0° 36' 57.58" (LT)
 Degree = 0° 24' 27.44"
 Tangent = 75.5602
 Length = 151.1190
 Radius = 14,056.1279
 External = 0.2031
 Long Chord = 151.1183
 Mid. Ord. = 0.2031
 P.C. Station 954+80.02 N 1,896,353.5069 E 1,145,669.7548
 P.T. Station 956+31.14 N 1,896,363.4461 E 1,145,820.5459
 C.C. N 1,910,383.9665 E 1,144,820.6763
 Back = N 86° 32' 12.72" E
 Ahead = N 85° 55' 15.14" E
 Chord Bear = N 86° 13' 43.93" E

Course from PT E I290 E-13 to PC E I290 E-14 N 84° 42' 55.22" E Dist 36.6383

Curve Data

Curve E I290 E-14
 P.I. Station 958+90.92 N 1,896,389.5771 E 1,146,079.0101
 Delta = 14° 00' 29.73" (LT)
 Degree = 3° 09' 16.39"
 Tangent = 223.1450
 Length = 444.0648
 Radius = 1,816.2883
 External = 13.6562
 Long Chord = 442.9596
 Mid. Ord. = 13.5543
 P.C. Station 956+67.78 N 1,896,366.8206 E 1,145,857.0285
 P.T. Station 961+11.84 N 1,896,465.3901 E 1,146,288.8818
 C.C. N 1,898,173.6395 E 1,145,671.8021
 Back = N 84° 08' 48.33" E
 Ahead = N 70° 08' 18.60" E
 Chord Bear = N 77° 08' 33.47" E

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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USER NAME = tblank	CHECKED - CAR	REVISED -			CONTRACT NO. 60C53							
PLOT DATE = 11/12/2289	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 14 OF 33 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

I-290 EB

Curve Data

Curve E I290 E-15
 P.I. Station = 963+35.57 N 1,896,539.3106 E 1,146,500.0456
 Delta = 13° 47' 01.06" (LT)
 Degree = 3° 05' 43.37"
 Tangent = 223.7284
 Length = 445.2968
 Radius = 1,851.0096
 External = 13.4718
 Long Chord = 444.2237
 Mid. Ord. = 13.3745
 P.C. Station = 961+11.84 N 1,896,465.3901 E 1,146,288.8818
 P.T. Station = 965+57.14 N 1,896,661.4134 E 1,146,687.5164
 C.C. = N 70° 42' 24.40" E
 Back = N 56° 55' 23.35" E
 Ahead = N 63° 48' 53.87" E
 Chord Bear = N 63° 48' 53.87" E

Course from PT E I290 E-15 to PC E I290 E-16 N 56° 35' 05.90" E Dist 186.6025

Curve Data

Curve E I290 E-16
 P.I. Station = 968+99.65 N 1,896,853.0865 E 1,146,971.3497
 Delta = 7° 06' 48.37" (RT)
 Degree = 2° 17' 03.01"
 Tangent = 155.9119
 Length = 311.4231
 Radius = 2,508.3846
 External = 4.8408
 Long Chord = 311.2232
 Mid. Ord. = 4.8315
 P.C. Station = 967+43.74 N 1,896,764.1754 E 1,146,843.2742
 P.T. Station = 970+55.17 N 1,896,925.4532 E 1,147,109.4496
 C.C. = N 55° 13' 52.58" E
 Back = N 62° 20' 40.95" E
 Ahead = N 58° 47' 16.76" E
 Chord Bear = N 58° 47' 16.76" E

Course from PT E I290 E-16 to PC E I290 E-17 N 65° 02' 33.53" E Dist 87.8110

Curve Data

Curve E I290 E-17
 P.I. Station = 973+70.89 N 1,897,053.6237 E 1,147,397.9698
 Delta = 12° 32' 00.27" (RT)
 Degree = 2° 45' 38.11"
 Tangent = 227.9159
 Length = 454.0126
 Radius = 2,075.4931
 External = 12.4765
 Long Chord = 453.1079
 Mid. Ord. = 12.4020
 P.C. Station = 971+42.98 N 1,896,962.5044 E 1,147,189.0610
 P.T. Station = 975+96.99 N 1,897,097.2364 E 1,147,621.6740
 C.C. = N 66° 26' 05.07" E
 Back = N 78° 58' 05.34" E
 Ahead = N 72° 42' 05.21" E
 Chord Bear = N 72° 42' 05.21" E

Curve Data

Curve E I290 E-18
 P.I. Station = 977+37.33 N 1,897,123.0057 E 1,147,759.6235
 Delta = 8° 23' 13.78" (RT)
 Degree = 2° 59' 36.95"
 Tangent = 140.3357
 Length = 280.1700
 Radius = 1,913.9443
 External = 5.1380
 Long Chord = 279.9200
 Mid. Ord. = 5.1242
 P.C. Station = 975+96.99 N 1,897,097.2364 E 1,147,621.6740
 P.T. Station = 978+77.16 N 1,897,128.3778 E 1,147,899.8564
 C.C. = N 79° 25' 08.36" E
 Back = N 87° 48' 22.14" E
 Ahead = N 83° 36' 45.25" E
 Chord Bear = N 83° 36' 45.25" E

I-290 EB

Course from PT E I290 E-18 to 155 N 88° 28' 14.41" E Dist 553.7348

Point 155 N 1,897,143.1562 E 1,148,453.3939 Sta 984+30.89

Course from 155 to 156 N 88° 39' 15.79" E Dist 1,332.6862

Point 156 N 1,897,174.4520 E 1,149,785.7126 Sta 997+63.58

Course from 156 to 157 N 88° 39' 54.28" E Dist 683.6133

Point 157 N 1,897,190.3779 E 1,150,469.1403 Sta 1004+47.19

Course from 157 to 158 N 88° 39' 05.99" E Dist 743.5806

Point 158 N 1,897,207.8750 E 1,151,212.5151 Sta 1011+90.77

Course from 158 to 159 N 88° 40' 01.62" E Dist 171.7491

Point 159 N 1,897,211.8700 E 1,151,384.2177 Sta 1013+62.52

Course from 159 to 160 N 88° 38' 04.27" E Dist 1,055.6224

Point 160 N 1,897,237.0254 E 1,152,439.5404 Sta 1024+18.15

Course from 160 to 161 N 88° 38' 15.64" E Dist 1,390.2917

Point 161 N 1,897,270.0792 E 1,153,829.4391 Sta 1038+08.44

Course from 161 to PC E I290 E-19 N 88° 38' 16.38" E Dist 368.6097

Curve Data

Curve E I290 E-19
 P.I. Station = 1044+80.07 N 1,897,290.5499 E 1,154,500.7372
 Delta = 7° 45' 11.76" (LT)
 Degree = 1° 16' 52.66"
 Tangent = 303.0188
 Length = 605.1125
 Radius = 4,471.7140
 External = 10.2550
 Long Chord = 604.6509
 Mid. Ord. = 10.2316
 P.C. Station = 1041+77.05 N 1,897,278.8415 E 1,154,197.9446
 P.T. Station = 1047+82.16 N 1,897,343.0002 E 1,154,799.1821
 C.C. = N 87° 47' 08.12" E
 Back = N 80° 01' 56.36" E
 Ahead = N 83° 54' 32.24" E
 Chord Bear = N 83° 54' 32.24" E

Course from PT E I290 E-19 to 162 N 78° 40' 41.61" E Dist 292.6393

Point 162 N 1,897,400.4508 E 1,155,086.1266 Sta 1050+74.80

Course from 162 to 163 N 78° 36' 30.27" E Dist 712.3373

Point 163 N 1,897,541.1470 E 1,155,784.4309 Sta 1057+87.14

Course from 163 to PC E I290 E-20 N 78° 36' 30.88" E Dist 493.5337

Curve Data

Curve E I290 E-20
 P.I. Station = 1063+58.63 N 1,897,652.8245 E 1,156,344.8989
 Delta = 1° 13' 03.38" (RT)
 Degree = 0° 46' 51.39"
 Tangent = 77.9605
 Length = 155.9152
 Radius = 7,336.7554
 External = 0.4142
 Long Chord = 155.9122
 Mid. Ord. = 0.4142
 P.C. Station = 1062+80.67 N 1,897,638.6252 E 1,156,268.2424
 P.T. Station = 1064+36.59 N 1,897,665.3917 E 1,156,421.8398
 C.C. = N 79° 30' 21.14" E
 Back = N 80° 43' 24.52" E
 Ahead = N 80° 06' 52.83" E
 Chord Bear = N 80° 06' 52.83" E

FILE NAME =	DESIGNED - CAC	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_ABC_C3_290_ML_Data_exalign_15.dgn	DRAWN - DMS	REVISED -			290 (2828B,D, ETC., 3031,1RS-6	COOK	185	30			
USER NAME = sblenk	CHECKED - CAR	REVISED -			CONTRACT NO. 60653						
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 15 OF 33 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

I-290 EB

Curve Data

Curve E I290 E-21
 P.I. Station 1065+93.25 N 1,897,690.6453 E 1,156,576.4518
 Delta = 2° 26' 47.35" (RT)
 Degree = 0° 46' 51.39"
 Tangent = 156.6608
 Length = 313.2739
 Radius = 7,336.7554
 External = 1.6724
 Long Chord = 313.2502
 Mid. Ord. = 1.6720
 P.C. Station 1064+36.59 N 1,897,665.3917 E 1,156,421.8398
 P.T. Station 1067+49.86 N 1,897,709.2761 E 1,156,732.0008
 C.C. N 1,890,424.5875 E 1,157,604.5206
 Back = N 80° 43' 24.52" E
 Ahead = N 83° 10' 11.87" E
 Chord Bear = N 81° 56' 48.20" E

Curve Data

Curve E I290 E-22
 P.I. Station 1071+59.08 N 1,897,760.3788 E 1,157,138.0223
 Delta = 6° 44' 12.01" (RT)
 Degree = 0° 49' 26.58"
 Tangent = 409.2248
 Length = 817.5065
 Radius = 6,952.9422
 External = 12.0323
 Long Chord = 817.0357
 Mid. Ord. = 12.0115
 P.C. Station 1067+49.86 N 1,897,709.2761 E 1,156,732.0008
 P.T. Station 1075+67.37 N 1,897,763.4997 E 1,157,547.2352
 C.C. N 1,890,810.7598 E 1,157,600.2618
 Back = N 82° 49' 34.90" E
 Ahead = N 89° 33' 46.91" E
 Chord Bear = N 86° 11' 40.90" E

Course from PT E I290 E-22 to 164 N 88° 40' 12.06" E Dist 285.4230

Point 164 N 1,897,770.1246 E 1,157,832.5813 Sta 1078+52.79

Course from 164 to 165 N 88° 40' 12.46" E Dist 1,073.1723

Point 165 N 1,897,795.0313 E 1,158,905.4645 Sta 1089+25.96

Course from 165 to 166 N 89° 12' 53.29" E Dist 152.9891

Point 166 N 1,897,797.1279 E 1,159,058.4393 Sta 1090+78.95

Course from 166 to 167 N 87° 44' 06.75" E Dist 67.2659

Point 167 N 1,897,799.7861 E 1,159,125.6526 Sta 1091+46.22

Course from 167 to 168 N 88° 45' 39.44" E Dist 178.2843

Point 168 N 1,897,803.6413 E 1,159,303.8951 Sta 1093+24.50

Course from 168 to 169 N 88° 40' 32.67" E Dist 1,115.3965

Point 169 N 1,897,829.4187 E 1,160,418.9938 Sta 1104+39.90

Course from 169 to 170 N 89° 03' 20.30" E Dist 757.1902

Point 170 N 1,897,841.8983 E 1,161,176.0811 Sta 1111+97.09

Course from 170 to 171 N 89° 03' 20.30" E Dist 657.3286

Point 171 N 1,897,852.7321 E 1,161,833.3204 Sta 1118+54.42

Course from 171 to 172 N 89° 03' 20.30" E Dist 1,262.4841

Point 172 N 1,897,873.5397 E 1,163,095.6330 Sta 1131+16.90

Course from 172 to 173 N 88° 26' 29.38" E Dist 985.3651

Point 173 N 1,897,900.3393 E 1,164,080.6336 Sta 1141+02.26

Course from 173 to PC E I290 E-23 N 88° 26' 30.72" E Dist 525.6716

I-290 EB

Curve Data

Curve E I290 E-23
 P.I. Station 1147+49.53 N 1,897,915.0377 E 1,164,727.7000
 Delta = 1° 14' 31.37" (RT)
 Degree = 0° 30' 38.78"
 Tangent = 121.5899
 Length = 243.1703
 Radius = 11,217.4620
 External = 0.6590
 Long Chord = 243.1655
 Mid. Ord. = 0.6589
 P.C. Station 1146+27.94 N 1,897,914.6330 E 1,164,606.1108
 P.T. Station 1148+71.11 N 1,897,912.8068 E 1,164,849.2695
 C.C. N 1,886,697.2331 E 1,164,643.4513
 Back = N 89° 48' 33.39" E
 Ahead = S 88° 56' 55.24" E
 Chord Bear = S 89° 34' 10.93" E

Course from PT E I290 E-23 to 174 S 89° 36' 37.35" E Dist 136.4192

Point 174 N 1,897,911.8791 E 1,164,985.6855 Sta 1150+07.53

Course from 174 to 175 N 88° 15' 32.23" E Dist 200.2435

Point 175 N 1,897,917.9630 E 1,165,185.8365 Sta 1152+07.77

Course from 175 to 176 N 88° 15' 24.23" E Dist 687.0926

Point 176 N 1,897,938.8651 E 1,165,872.6112 Sta 1158+94.86

Course from 176 to 177 N 88° 15' 24.23" E Dist 1,294.5024

Point 177 N 1,897,978.2453 E 1,167,166.5144 Sta 1171+89.36

Course from 177 to PC E I290 E-24 N 88° 15' 24.69" E Dist 361.5022

Curve Data

Curve E I290 E-24
 P.I. Station 1179+91.91 N 1,897,997.5676 E 1,167,968.8134
 Delta = 2° 35' 12.24" (RT)
 Degree = 0° 17' 35.89"
 Tangent = 441.0426
 Length = 881.9355
 Radius = 19,534.7475
 External = 4.9782
 Long Chord = 881.8606
 Mid. Ord. = 4.9769
 P.C. Station 1175+50.87 N 1,897,989.2418 E 1,167,527.8494
 P.T. Station 1184+32.80 N 1,897,985.9835 E 1,168,409.7039
 C.C. N 1,878,457.9753 E 1,167,896.6192
 Back = N 88° 55' 05.98" E
 Ahead = S 88° 29' 41.78" E
 Chord Bear = S 89° 47' 17.90" E

Course from PT E I290 E-24 to PC E I290 E-25 S 87° 48' 00.26" E Dist 90.5134

Curve Data

Curve E I290 E-25
 P.I. Station 1187+16.92 N 1,897,977.1566 E 1,168,693.6803
 Delta = 1° 38' 11.03" (RT)
 Degree = 0° 25' 21.52"
 Tangent = 193.6037
 Length = 387.1810
 Radius = 13,556.5203
 External = 1.3824
 Long Chord = 387.1679
 Mid. Ord. = 1.3822
 P.C. Station 1185+23.32 N 1,897,982.5090 E 1,168,500.1506
 P.T. Station 1189+10.50 N 1,897,966.2798 E 1,168,886.9782
 C.C. N 1,884,431.1704 E 1,168,125.3637
 Back = S 88° 24' 56.83" E
 Ahead = S 86° 46' 45.80" E
 Chord Bear = S 87° 35' 51.31" E

Course from PT E I290 E-25 to PC E I290 E-26 S 86° 25' 55.49" E Dist 599.3277

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA		F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_abc_c3_290_ml_data_exalign_16.dgn	DRAWN - DMS	REVISED -			290 (28288.0, ETC., 3031.1RS-6)	COOK	185	31		
USER NAME = sblenk	CHECKED - CAR	REVISED -			CONTRACT NO. 60653					
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 16 OF 33 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

I-290 EB

Curve Data

Curve E I290 E-26
 P.I. Station = 1196+04.10 N 1,897,922.1776 E 1,169,579.1746
 Delta = 1° 59' 12.59" (LT)
 Degree = 1° 03' 13.80"
 Tangent = 94.2763
 Length = 188.5337
 Radius = 5,436.8911
 External = 0.8173
 Long Chord = 188.5243
 Mid. Ord. = 0.8172
 P.C. Station = 1195+09.82 N 1,897,928.9826 E 1,169,485.1442
 P.T. Station = 1196+98.36 N 1,897,918.6366 E 1,169,673.3844
 C.C. = N 1,903,351.6915 E 1,169,877.5893
 Back = S 85° 51' 38.46" E
 Ahead = S 87° 50' 51.05" E
 Chord Bear = S 86° 51' 14.76" E

Course from PT E I290 E-26 to PC E I290 E-27 S 86° 46' 11.82" E Dist 205.9003

Curve Data

Curve E I290 E-27
 P.I. Station = 1200+06.11 N 1,897,901.9065 E 1,169,980.6763
 Delta = 3° 37' 01.21" (LT)
 Degree = 1° 46' 34.60"
 Tangent = 101.8479
 Length = 203.6282
 Radius = 3,225.6074
 External = 1.6075
 Long Chord = 203.5944
 Mid. Ord. = 1.6067
 P.C. Station = 1199+04.26 N 1,897,907.0351 E 1,169,878.9576
 P.T. Station = 1201+07.89 N 1,897,903.2052 E 1,170,082.5160
 C.C. = N 1,901,128.5503 E 1,170,041.3857
 Back = S 87° 06' 48.97" E
 Ahead = N 89° 16' 09.81" E
 Chord Bear = S 88° 55' 19.58" E

Course from PT E I290 E-27 to 178 N 88° 34' 47.43" E Dist 432.6030

Point 178 N 1,897,913.9268 E 1,170,514.9861 Sta 1205+40.49

Course from 178 to 179 N 88° 34' 47.84" E Dist 576.9449

Point 179 N 1,897,928.2246 E 1,171,091.7538 Sta 1211+17.43

Course from 179 to 180 N 88° 34' 47.84" E Dist 87.0869

Point 180 N 1,897,930.3828 E 1,171,178.8139 Sta 1212+04.52

Course from 180 to PC E I290 E-28 N 87° 49' 24.34" E Dist 44.0869

Curve Data

Curve E I290 E-28
 P.I. Station = 1213+89.94 N 1,897,937.4248 E 1,171,364.0992
 Delta = 0° 38' 08.11" (LT)
 Degree = 0° 13' 29.49"
 Tangent = 141.3322
 Length = 282.6615
 Radius = 25,480.9248
 External = 0.3920
 Long Chord = 282.6601
 Mid. Ord. = 0.3919
 P.C. Station = 1212+48.61 N 1,897,932.0571 E 1,171,222.8690
 P.T. Station = 1215+31.27 N 1,897,944.3588 E 1,171,505.2612
 C.C. = N 1,923,394.5982 E 1,170,255.1236
 Back = N 87° 49' 24.34" E
 Ahead = N 87° 11' 16.23" E
 Chord Bear = N 87° 30' 20.29" E

I-290 EB

Curve Data

Curve E I290 E-29
 P.I. Station = 1217+67.61 N 1,897,962.1153 E 1,171,740.9354
 Delta = 3° 52' 23.51" (RT)
 Degree = 0° 49' 10.98"
 Tangent = 236.3422
 Length = 472.5043
 Radius = 6,989.7026
 External = 3.9946
 Long Chord = 472.4143
 Mid. Ord. = 3.9923
 P.C. Station = 1215+31.27 N 1,897,944.3588 E 1,171,505.2612
 P.T. Station = 1220+03.77 N 1,897,963.9118 E 1,171,977.2707
 C.C. = N 1,890,974.4111 E 1,172,030.4011
 Back = N 85° 41' 28.61" E
 Ahead = N 89° 33' 52.12" E
 Chord Bear = N 87° 37' 40.36" E

Course from PT E I290 E-29 to 181 N 88° 32' 19.34" E Dist 805.4044

Point 181 N 1,897,984.4510 E 1,172,782.4132 Sta 1228+09.18

Course from 181 to 182 N 88° 17' 27.10" E Dist 348.6947

Point 182 N 1,897,994.8510 E 1,173,130.9528 Sta 1231+57.87

Course from 182 to 183 N 87° 57' 44.39" E Dist 133.3034

Point 183 N 1,897,999.5908 E 1,173,264.1719 Sta 1232+91.18

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_ABC_C3_290_ML_Data_exalign_17.cgn	DRAWN - DMS	REVISED -						290	(28288,0, ETC., 3031,1RS-6	COOK	185	32
USER NAME = vblenk	CHECKED - CAR	REVISED -			CONTRACT NO. 60653							
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 17 OF 33 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

I-290 WB

Curve Data

Course from 305 to PC E I290 F-16 S 88° 02' 12.67" E Dist 734.3420
 Curve E I290 F-16
 P.I. Station 881+85.66 N 1,896,056.7392 E 1,138,390.7748
 Delta = 11° 24' 45.21" (LT)
 Degree = 1° 32' 39.70"
 Tangent = 370.7178
 Length = 738.9826
 Radius = 3,710.0000
 External = 18.4758
 Long Chord = 737.7616
 Mid. Ord. = 18.3842
 P.C. Station 878+14.94 N 1,896,069.4388 E 1,138,020.2745
 P.T. Station 885+53.93 N 1,896,117.6025 E 1,138,756.4623
 C.C. N 1,899,777.2613 E 1,138,147.3667
 Back = S 88° 02' 12.67" E
 Ahead = N 80° 33' 02.12" E
 Chord Bear = N 86° 15' 24.72" E

Course from PT E I290 F-16 to PC E I290 F-17 N 80° 33' 02.12" E Dist 707.3161

Curve Data

Curve E I290 F-17
 P.I. Station 896+59.77 N 1,896,299.1559 E 1,139,847.2987
 Delta = 8° 07' 22.90" (RT)
 Degree = 1° 01' 15.04"
 Tangent = 398.5255
 Length = 795.7155
 Radius = 5,612.5800
 External = 14.1310
 Long Chord = 795.0493
 Mid. Ord. = 14.0955
 P.C. Station 892+61.24 N 1,896,233.7273 E 1,139,454.1808
 P.T. Station 900+56.96 N 1,896,308.3808 E 1,140,245.7175
 C.C. N 1,890,697.3047 E 1,140,375.6357
 Back = N 80° 33' 02.12" E
 Ahead = N 88° 40' 25.02" E
 Chord Bear = N 84° 36' 43.57" E

Course from PT E I290 F-17 to PC E I290 F-18 N 88° 40' 25.02" E Dist 5,356.1385

Curve Data

Curve E I290 F-18
 P.I. Station 959+32.92 N 1,896,444.3959 E 1,146,120.1076
 Delta = 29° 00' 10.36" (LT)
 Degree = 2° 51' 02.90"
 Tangent = 519.8261
 Length = 1,017.3572
 Radius = 2,009.8100
 External = 66.1369
 Long Chord = 1,006.5302
 Mid. Ord. = 64.0298
 P.C. Station 954+13.10 N 1,896,432.3631 E 1,145,600.4208
 P.T. Station 964+30.45 N 1,896,706.8917 E 1,146,568.7891
 C.C. N 1,898,441.6346 E 1,145,553.8983
 Back = N 88° 40' 25.02" E
 Ahead = N 59° 40' 14.66" E
 Chord Bear = N 74° 10' 19.84" E

Curve Data

Curve E I290 F-19
 P.I. Station 965+33.51 N 1,896,758.9301 E 1,146,657.7379
 Delta = 4° 56' 05.60" (LT)
 Degree = 2° 23' 44.99"
 Tangent = 103.0529
 Length = 205.9784
 Radius = 2,391.4800
 External = 2.2193
 Long Chord = 205.9147
 Mid. Ord. = 2.2173
 P.C. Station 964+30.45 N 1,896,706.8917 E 1,146,568.7891
 P.T. Station 966+36.43 N 1,896,818.4274 E 1,146,741.8805
 C.C. N 1,898,771.0684 E 1,145,361.1670
 Back = N 59° 40' 14.66" E
 Ahead = N 54° 44' 09.05" E
 Chord Bear = N 57° 12' 11.85" E

I-290 WB

Curve Data

Curve E I290 F-20
 P.I. Station 968+20.83 N 1,896,924.8868 E 1,146,892.4382
 Delta = 7° 55' 19.28" (RT)
 Degree = 2° 09' 05.58"
 Tangent = 184.3942
 Length = 368.2007
 Radius = 2,663.0000
 External = 6.3764
 Long Chord = 367.9075
 Mid. Ord. = 6.3611
 P.C. Station 966+36.43 N 1,896,818.4274 E 1,146,741.8805
 P.T. Station 970+04.63 N 1,897,009.5796 E 1,147,056.2318
 C.C. N 1,894,644.0906 E 1,148,279.3553
 Back = N 54° 44' 09.05" E
 Ahead = N 62° 39' 28.33" E
 Chord Bear = N 58° 41' 48.69" E

Curve Data

Curve E I290 F-21
 P.I. Station 974+65.18 N 1,897,221.1117 E 1,147,465.3295
 Delta = 26° 01' 24.53" (RT)
 Degree = 2° 52' 29.46"
 Tangent = 460.5505
 Length = 905.2115
 Radius = 1,993.0000
 External = 52.5209
 Long Chord = 897.4507
 Mid. Ord. = 51.1724
 P.C. Station 970+04.63 N 1,897,009.5796 E 1,147,056.2318
 P.T. Station 979+09.84 N 1,897,231.7103 E 1,147,925.7580
 C.C. N 1,895,239.2381 E 1,147,971.6224
 Back = N 62° 39' 28.33" E
 Ahead = N 88° 40' 52.86" E
 Chord Bear = N 75° 40' 10.60" E

Course from PT E I290 F-21 to 306 N 88° 40' 52.86" E Dist 203.1987

Point 306 N 1,897,236.3864 E 1,148,128.9029 Sta 981+13.04

Course from 306 to 307 N 88° 41' 07.55" E Dist 321.8663

Point 307 N 1,897,243.7705 E 1,148,450.6845 Sta 984+34.91

Course from 307 to 308 N 88° 37' 52.52" E Dist 1,332.6150

Point 308 N 1,897,275.6025 E 1,149,782.9193 Sta 997+67.52

Course from 308 to 309 N 88° 36' 36.82" E Dist 684.8989

Point 309 N 1,897,292.2139 E 1,150,467.6167 Sta 1004+52.42

Course from 309 to 310 N 88° 34' 17.76" E Dist 741.6989

Point 310 N 1,897,310.7027 E 1,151,209.0852 Sta 1011+94.12

Course from 310 to 311 N 88° 34' 17.76" E Dist 115.3063

Point 311 N 1,897,313.5771 E 1,151,324.3557 Sta 1013+09.43

Course from 311 to 312 N 88° 41' 54.85" E Dist 1,115.5075

Point 312 N 1,897,338.9128 E 1,152,439.5754 Sta 1024+24.94

Course from 312 to PC E I290 F-22 N 88° 38' 15.64" E Dist 1,737.2260

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\h_ABC_C3_290_ML_Data_exalign_18.dgn	DRAWN - DMS	REVISED -					290	(28288,D, ETC., 3031,URS-6	COOK	185	33
USER NAME = tblank	CHECKED - CAR	REVISED -					CONTRACT NO. 60C53				
DATE = 11/12/2009	DATE - 10/16/09	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
					SCALE: N.T.S.	SHEET NO. 18 OF 33 SHEETS	STA.	TO STA.			

I-290 WB

Curve Data

Curve E I290 F-22
 P.I. Station = 1044+95.40 N 1,897,388.1375 E 1,154,509.4509
 Delta = 10° 01' 23.80" (LT)
 Degree = 1° 30' 28.02"
 Tangent = 333.2348
 Length = 664.7689
 Radius = 3,800.0000
 External = 14.5833
 Long Chord = 663.9216
 Mid. Ord. = 14.5275
 P.C. Station = 1041+62.16 N 1,897,380.2149 E 1,154,176.3103
 P.T. Station = 1048+26.93 N 1,897,453.9217 E 1,154,836.1278
 C.C. = N 1,901,179.1408 E 1,154,085.9662
 Back = N 88° 38' 15.64" E
 Ahead = N 78° 36' 51.84" E
 Chord Bear = N 83° 37' 33.74" E

Course from PT E I290 F-22 to PC E I290 F-23 N 78° 36' 51.84" E Dist 1,726.0600

Curve Data

Curve E I290 F-23
 P.I. Station = 1070+43.69 N 1,897,891.5336 E 1,157,009.2603
 Delta = 9° 45' 19.57" (RT)
 Degree = 0° 59' 47.21"
 Tangent = 490.6964
 Length = 979.0208
 Radius = 5,750.0000
 External = 20.8997
 Long Chord = 977.8386
 Mid. Ord. = 20.8240
 P.C. Station = 1065+52.99 N 1,897,794.6648 E 1,156,528.2204
 P.T. Station = 1075+32.01 N 1,897,905.4929 E 1,157,499.7581
 C.C. = N 1,892,157.8201 E 1,157,663.3333
 Back = N 78° 36' 51.84" E
 Ahead = N 88° 22' 11.41" E
 Chord Bear = N 83° 29' 31.63" E

Curve Data

Curve E I290 F-24
 P.I. Station = 1075+90.74 N 1,897,907.1635 E 1,157,558.4586
 Delta = 0° 27' 57.11" (LT)
 Degree = 0° 23' 47.96"
 Tangent = 58.7243
 Length = 117.4480
 Radius = 14,444.7008
 External = 0.1194
 Long Chord = 117.4476
 Mid. Ord. = 0.1194
 P.C. Station = 1075+32.01 N 1,897,905.4929 E 1,157,499.7581
 P.T. Station = 1076+49.46 N 1,897,909.3113 E 1,157,617.1436
 C.C. = N 1,912,344.3476 E 1,157,088.8371
 Back = N 88° 22' 11.41" E
 Ahead = N 87° 54' 14.30" E
 Chord Bear = N 88° 08' 12.86" E

Course from PT E I290 F-24 to 313 N 88° 44' 27.48" E Dist 211.8864

Point 313 N 1,897,913.9670 E 1,157,828.9789 Sta 1078+61.35

Course from 313 to 314 N 88° 44' 27.42" E Dist 1,226.1517

Point 314 N 1,897,940.9089 E 1,159,054.8346 Sta 1090+87.50

Course from 314 to 315 N 88° 39' 57.77" E Dist 222.3506

Point 315 N 1,897,946.0852 E 1,159,277.1249 Sta 1093+09.85

Course from 315 to 316 N 88° 39' 57.77" E Dist 1,138.6686

Point 316 N 1,897,972.5932 E 1,160,415.4849 Sta 1104+48.52

I-290 WB

Course from 316 to 317 N 89° 03' 40.52" E Dist 757.0139

Point 317 N 1,897,984.9957 E 1,161,172.3972 Sta 1112+05.53

Course from 317 to 318 N 89° 03' 40.52" E Dist 657.8257

Point 318 N 1,897,995.7731 E 1,161,830.1346 Sta 1118+63.36

Course from 318 to 319 N 89° 03' 40.52" E Dist 1,261.5333

Point 319 N 1,898,016.4414 E 1,163,091.4987 Sta 1131+24.89

Course from 319 to PC E I290 F-25 N 88° 24' 21.11" E Dist 1,440.1352

Curve Data

Curve E I290 F-25
 P.I. Station = 1147+39.83 N 1,898,062.8665 E 1,164,705.7672
 Delta = 2° 51' 29.02" (LT)
 Degree = 0° 49' 03.59"
 Tangent = 174.8065
 Length = 349.5405
 Radius = 7,007.2647
 External = 2.1801
 Long Chord = 349.5042
 Mid. Ord. = 2.1794
 P.C. Station = 1145+65.03 N 1,898,056.5050 E 1,164,531.0765
 P.T. Station = 1149+14.57 N 1,898,077.9305 E 1,164,879.9234
 C.C. = N 1,905,059.1282 E 1,164,276.0718
 Back = N 87° 54' 52.06" E
 Ahead = N 85° 03' 23.04" E
 Chord Bear = N 86° 29' 07.55" E

Curve Data

Curve E I290 F-26
 P.I. Station = 1149+82.68 N 1,898,082.2081 E 1,164,947.9015
 Delta = 0° 53' 37.49" (RT)
 Degree = 0° 39' 21.94"
 Tangent = 68.1126
 Length = 136.2223
 Radius = 8,732.8581
 External = 0.2656
 Long Chord = 136.2210
 Mid. Ord. = 0.2656
 P.C. Station = 1149+14.57 N 1,898,077.9305 E 1,164,879.9234
 P.T. Station = 1150+50.79 N 1,898,085.4248 E 1,165,015.9380
 C.C. = N 1,889,362.3110 E 1,165,428.3642
 Back = N 86° 23' 57.63" E
 Ahead = N 87° 17' 35.12" E
 Chord Bear = N 86° 50' 46.37" E

Curve Data

Curve E I290 F-27
 P.I. Station = 1150+85.05 N 1,898,087.0430 E 1,165,050.1648
 Delta = 0° 44' 41.27" (RT)
 Degree = 1° 05' 12.61"
 Tangent = 34.2650
 Length = 68.5291
 Radius = 5,271.8008
 External = 0.1114
 Long Chord = 68.5286
 Mid. Ord. = 0.1114
 P.C. Station = 1150+50.79 N 1,898,085.4248 E 1,165,015.9380
 P.T. Station = 1151+19.32 N 1,898,088.2162 E 1,165,084.4098
 C.C. = N 1,892,819.5064 E 1,165,264.9091
 Back = N 87° 17' 35.12" E
 Ahead = N 88° 02' 16.39" E
 Chord Bear = N 87° 39' 55.76" E

Course from PT E I290 F-27 to PC E I290 F-28 N 88° 19' 50.55" E Dist 97.0560

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\in_abc_c3_290_ml_date_align_19.dgn	DRAWN - DMS	REVISED -				290	(28288,D, ETC., 3031,1RS-6	COOK	185	34
USER NAME = tblank	CHECKED - CAR	REVISED -				CONTRACT NO. 60653				
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
			SCALE: N.T.S.	SHEET NO. 19 OF 33 SHEETS	STA. TO STA.					

I-290 WB

Curve Data

Curve E I290 F-28
 P.I. Station = 1152+48.36 N 1,898,091.7633 E 1,165,213.3983
 Delta = 0° 30' 32.23" (RT)
 Degree = 0° 47' 44.51"
 Tangent = 31.9818
 Length = 63.9633
 Radius = 7,200.7078
 External = 0.0710
 Long Chord = 63.9631
 Mid. Ord. = 0.0710
 P.C. Station = 1152+16.37 N 1,898,091.0435 E 1,165,181.4246
 P.T. Station = 1152+80.34 N 1,898,092.1990 E 1,165,245.3772
 C.C. = N 88° 42' 37.46" E
 Back = N 88° 42' 37.46" E
 Ahead = N 89° 13' 09.69" E
 Chord Bear = N 88° 57' 53.57" E

Course from PT E I290 F-28 to PC E I290 F-29 N 88° 14' 09.96" E Dist 2,997.1363

Curve Data

Curve E I290 F-29
 P.I. Station = 1183+46.09 N 1,898,186.5659 E 1,168,309.6775
 Delta = 4° 33' 39.87" (RT)
 Degree = 3° 19' 31.26"
 Tangent = 68.6166
 Length = 137.1608
 Radius = 1,723.0000
 External = 1.3658
 Long Chord = 137.1245
 Mid. Ord. = 1.3647
 P.C. Station = 1182+77.47 N 1,898,184.4538 E 1,168,241.0934
 P.T. Station = 1184+14.63 N 1,898,183.2174 E 1,168,378.2123
 C.C. = N 88° 14' 09.96" E
 Back = N 88° 14' 09.96" E
 Ahead = S 87° 12' 10.17" E
 Chord Bear = S 89° 29' 00.10" E

Curve Data

Curve E I290 F-30
 P.I. Station = 1185+72.34 N 1,898,175.5212 E 1,168,535.7304
 Delta = 7° 47' 34.33" (RT)
 Degree = 2° 28' 28.24"
 Tangent = 157.7060
 Length = 314.9257
 Radius = 2,315.4388
 External = 5.3645
 Long Chord = 314.6830
 Mid. Ord. = 5.3521
 P.C. Station = 1184+14.63 N 1,898,183.2174 E 1,168,378.2123
 P.T. Station = 1187+29.56 N 1,898,146.5379 E 1,168,690.7503
 C.C. = N 87° 12' 10.17" E
 Back = S 87° 12' 10.17" E
 Ahead = S 79° 24' 35.84" E
 Chord Bear = S 83° 18' 23.00" E

Course from PT E I290 F-30 to PC E I290 F-31 S 79° 06' 05.48" E Dist 300.3555

Curve Data

Curve E I290 F-31
 P.I. Station = 1191+83.63 N 1,898,060.6880 E 1,169,136.6265
 Delta = 7° 00' 36.68" (LT)
 Degree = 2° 16' 59.42"
 Tangent = 153.7103
 Length = 307.0371
 Radius = 2,509.4800
 External = 4.7031
 Long Chord = 306.8456
 Mid. Ord. = 4.6943
 P.C. Station = 1190+29.91 N 1,898,089.7499 E 1,168,985.6885
 P.T. Station = 1193+36.95 N 1,898,050.2647 E 1,169,289.9830
 C.C. = N 87° 12' 10.17" E
 Back = S 79° 06' 05.48" E
 Ahead = S 86° 06' 42.16" E
 Chord Bear = S 82° 36' 23.82" E

I-290 WB

Course from PT E I290 F-31 to 320 S 86° 06' 42.16" E Dist 263.5478

Point 320 N 1,898,032.3932 E 1,169,552.9242 Sta 1196+00.50

Course from 320 to PC E I290 F-32 S 87° 07' 26.03" E Dist 206.0709

Curve Data

Curve E I290 F-32
 P.I. Station = 1200+44.28 N 1,898,010.1257 E 1,169,996.1494
 Delta = 4° 55' 46.24" (LT)
 Degree = 1° 02' 15.00"
 Tangent = 237.7133
 Length = 475.1332
 Radius = 5,522.4800
 External = 5.1138
 Long Chord = 474.9867
 Mid. Ord. = 5.1090
 P.C. Station = 1198+06.57 N 1,898,022.0533 E 1,169,758.7355
 P.T. Station = 1202+81.70 N 1,898,018.6432 E 1,170,233.7100
 C.C. = N 87° 07' 26.03" E
 Back = S 87° 07' 26.03" E
 Ahead = N 87° 56' 47.73" E
 Chord Bear = S 89° 35' 19.15" E

Course from PT E I290 F-32 to PC E I290 F-33 N 87° 56' 47.73" E Dist 944.7992

Curve Data

Curve E I290 F-33
 P.I. Station = 1214+22.53 N 1,898,059.5203 E 1,171,373.8060
 Delta = 7° 27' 30.96" (RT)
 Degree = 1° 54' 18.39"
 Tangent = 196.0294
 Length = 391.5050
 Radius = 3,007.4800
 External = 6.3819
 Long Chord = 391.2287
 Mid. Ord. = 6.3684
 P.C. Station = 1212+26.50 N 1,898,052.4964 E 1,171,177.9025
 P.T. Station = 1216+18.01 N 1,898,041.0547 E 1,171,568.9638
 C.C. = N 87° 56' 47.73" E
 Back = N 87° 56' 47.73" E
 Ahead = S 84° 35' 41.32" E
 Chord Bear = S 88° 19' 26.80" E

Course from PT E I290 F-33 to PC E I290 F-34 S 84° 35' 41.32" E Dist 338.5168

Curve Data

Curve E I290 F-34
 P.I. Station = 1220+85.25 N 1,897,997.0410 E 1,172,034.1303
 Delta = 6° 44' 20.14" (LT)
 Degree = 2° 37' 13.95"
 Tangent = 128.7273
 Length = 257.1578
 Radius = 2,186.4100
 External = 3.7862
 Long Chord = 257.0096
 Mid. Ord. = 3.7797
 P.C. Station = 1219+56.53 N 1,898,009.1669 E 1,171,905.9754
 P.T. Station = 1222+13.68 N 1,898,000.0372 E 1,172,162.8228
 C.C. = N 84° 35' 41.32" E
 Back = S 84° 35' 41.32" E
 Ahead = N 88° 39' 58.54" E
 Chord Bear = S 87° 57' 51.39" E

Course from PT E I290 F-34 to PC E I290 F-35 N 88° 39' 58.54" E Dist 847.2847

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS: NO.
...\\exp\in_arc_c3_298_ML_Data\align_28.dgn	DRAWN - DMS	REVISED -			290 (2828B,D, ETC., 3031,1RS-6	COOK	185 35			
USER NAME = tblank	CHECKED - CAR	REVISED -			CONTRACT NO. 60653					
DATE = 11/12/2009	DATE - 10/16/09	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				
			SCALE: N.T.S.		SHEET NO. 20 OF 33 SHEETS	STA.	TO STA.			

I-290 WB

Curve Data

Curve E I290 F-35
 P.I. Station = 1231+17.25 N 1,898,021.0687 E 1,173,066.1470
 Delta = 1° 51' 25.62" (RT)
 Degree = 1° 38' 59.66"
 Tangent = 56.2844
 Length = 112.5589
 Radius = 3,472.6700
 External = 0.4561
 Long Chord = 112.5540
 Mid. Ord. = 0.4560
 P.C. Station = 1230+60.97 N 1,898,019.7586 E 1,173,009.8779
 P.T. Station = 1231+73.53 N 1,898,020.5546 E 1,173,122.4291
 C.C. = N 88° 39' 58.54" E 1,894,548.0295 E 1,173,090.7079
 Back = S 89° 28' 35.84" E
 Ahead = N 89° 35' 41.35" E

Curve Data

Curve E I290 F-36
 P.I. Station = 1231+88.25 N 1,898,020.4201 E 1,173,137.1529
 Delta = 2° 11' 02.67" (LT)
 Degree = 7° 25' 02.57"
 Tangent = 14.7245
 Length = 29.4454
 Radius = 772.4530
 External = 0.1403
 Long Chord = 29.4436
 Mid. Ord. = 0.1403
 P.C. Station = 1231+73.53 N 1,898,020.5546 E 1,173,122.4291
 P.T. Station = 1232+02.97 N 1,898,020.8468 E 1,173,151.8712
 C.C. = N 88° 20' 21.49" E 1,898,792.9754 E 1,173,129.4851
 Back = S 89° 28' 35.84" E
 Ahead = N 88° 20' 21.49" E
 Chord Bear = N 89° 25' 52.82" E

Course from PT E I290 F-36 to 321 N 88° 20' 21.49" E Dist 110.5859

Point 321 N 1,898,024.0517 E 1,173,262.4107 Sta 1233+13.56

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\h_ABC_C3_298_ML_Data_exalign_21.dgn	DRAWN - DMS	REVISED -						290	(2828B,D, ETC., 3031,1)RS-6	COOK	185	36
USER NAME = tblank	CHECKED - CAR	REVISED -			CONTRACT NO. 60C53							
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 21 OF 33 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

RAMP E_CENT_A

Point 10 N 1,896,114.3664 E 1,137,760.4324 Sta 0+00.00

Course from 10 to PC E CENT A-1 S 89° 49' 15.17" E Dist 425.4326

Curve Data

Curve E CENT A-1
 P.I. Station = 5+65.00 N 1,896,112.6001 E 1,138,325.4283
 Delta = 7° 47' 22.16" (LT)
 Degree = 2° 47' 41.70"
 Tangent = 139.5661
 Length = 278.7021
 Radius = 2,050.0000
 External = 4.7454
 Long Chord = 278.4875
 Mid. Ord. = 4.7344
 P.C. Station = 4+25.43 N 1,896,113.0364 E 1,138,185.8629
 P.T. Station = 7+04.13 N 1,896,131.0837 E 1,138,463.7650
 C.C. = N 1,898,163.0264 E 1,138,192.2717
 Back = S 89° 49' 15.17" E
 Ahead = N 82° 23' 22.67" E
 Chord Bear = N 86° 17' 03.75" E

Curve Data

Curve E CENT A-2
 P.I. Station = 8+96.80 N 1,896,156.5992 E 1,138,654.7312
 Delta = 19° 52' 08.38" (LT)
 Degree = 5° 12' 31.35"
 Tangent = 192.6633
 Length = 381.4573
 Radius = 1,100.0000
 External = 16.7449
 Long Chord = 379.5488
 Mid. Ord. = 16.4938
 P.C. Station = 7+04.13 N 1,896,131.0837 E 1,138,463.7650
 P.T. Station = 10+85.59 N 1,896,245.4996 E 1,138,825.6577
 C.C. = N 1,897,221.3944 E 1,138,318.0856
 Back = N 82° 23' 22.67" E
 Ahead = N 62° 31' 14.29" E
 Chord Bear = N 72° 27' 18.48" E

Course from PT E CENT A-2 to 11 N 62° 31' 14.29" E Dist 302.2150

Point 11 N 1,896,384.9504 E 1,139,093.7759 Sta 13+87.81

RAMP E_CENT_B

Point 1540 N 1,895,936.2919 E 1,137,872.6948 Sta 0+00.00

Course from 1540 to 1541 S 86° 14' 30.81" E Dist 152.9539

Point 1541 N 1,895,926.2666 E 1,138,025.3198 Sta 1+52.95

Course from 1541 to PC E CENT B-1 S 85° 45' 34.91" E Dist 344.7613

Curve Data

Curve E CENT B-1
 P.I. Station = 5+70.06 N 1,895,895.4256 E 1,138,441.2882
 Delta = 8° 22' 04.36" (LT)
 Degree = 5° 47' 35.90"
 Tangent = 72.3489
 Length = 144.4405
 Radius = 989.0000
 External = 2.6428
 Long Chord = 144.3122
 Mid. Ord. = 2.6357
 P.C. Station = 4+97.72 N 1,895,900.7751 E 1,138,369.1373
 P.T. Station = 6+42.16 N 1,895,900.6331 E 1,138,513.4494
 C.C. = N 1,896,887.0679 E 1,138,442.2637
 Back = S 85° 45' 34.91" E
 Ahead = N 85° 52' 20.73" E
 Chord Bear = S 89° 56' 37.09" E

Course from PT E CENT B-1 to 1542 N 85° 52' 20.73" E Dist 625.1657

Point 1542 N 1,895,945.6310 E 1,139,136.9936 Sta 12+67.32

RAMP E_CENT_C

Point 1550 N 1,896,360.6711 E 1,140,973.3560 Sta 0+00.00

Course from 1550 to 1551 N 89° 02' 03.87" W Dist 343.8265

Point 1551 N 1,896,366.4652 E 1,140,629.5783 Sta 3+43.83

Course from 1551 to 1552 N 88° 34' 09.56" W Dist 451.9040

Point 1552 N 1,896,377.7481 E 1,140,177.8152 Sta 7+95.73

Course from 1552 to 1553 N 88° 51' 27.47" W Dist 541.9149

Point 1553 N 1,896,388.5522 E 1,139,636.0080 Sta 13+37.65

RAMP E_CENT_D

Point 1560 N 1,896,185.6071 E 1,140,911.6212 Sta 0+00.00

Course from 1560 to PC E CENT D-1 S 87° 11' 57.03" W Dist 627.8306

Curve Data

Curve E CENT D-1
 P.I. Station = 7+92.83 N 1,896,146.8659 E 1,140,119.7339
 Delta = 9° 29' 04.50" (LT)
 Degree = 2° 52' 50.28"
 Tangent = 165.0037
 Length = 329.2535
 Radius = 1,989.0000
 External = 6.8325
 Long Chord = 328.8777
 Mid. Ord. = 6.8091
 P.C. Station = 6+27.83 N 1,896,154.9287 E 1,140,284.5405
 P.T. Station = 9+57.08 N 1,896,111.7562 E 1,139,958.5088
 C.C. = N 1,894,168.3047 E 1,140,381.7313
 Back = S 87° 11' 57.03" W
 Ahead = S 77° 42' 52.53" W
 Chord Bear = S 82° 27' 24.78" W

Course from PT E CENT D-1 to 1561 S 77° 42' 52.53" W Dist 696.7142

Point 1561 N 1,895,963.5082 E 1,139,277.7495 Sta 16+53.80

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_abc.c3.290.R.Data.exalign-22.dgn	DRAWN - DMS	REVISED -				290	(28288,D, ETC., 3031,1)RS-6	COOK	185	37
JOBER NAME = blank	CHECKED - CAR	REVISED -				CONTRACT NO. 60C53				
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -				SCALE: N.T.S.	SHEET NO. 22 OF 33 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

RAMP E_LARIME_A

Point 1570 N 1,896,421.3826 E 1,143,044.8494 Sta 0+00.00
 Course from 1570 to 1571 N 87° 10' 04.31" W Dist 325.8448
 Point 1571 N 1,896,437.4826 E 1,142,719.4026 Sta 3+25.84
 Course from 1571 to 1572 N 86° 27' 29.36" W Dist 391.2274
 Point 1572 N 1,896,461.6516 E 1,142,328.9224 Sta 7+17.07

RAMP E_LARIME_B

Curve Data

Curve E LARIME B-1
 P.I. Station = 1+10.81 N 1,896,214.6004 E 1,142,769.6983
 Delta = 4° 56' 07.44" (LT)
 Degree = 2° 13' 41.92"
 Tangent = 110.8116
 Length = 221.4861
 Radius = 2,571.2647
 External = 2.3867
 Long Chord = 221.4176
 Mid. Ord. = 2.3845
 P.C. Station = 0+00.00 N 1,896,219.4346 E 1,142,880.4044
 P.T. Station = 2+21.49 N 1,896,200.2598 E 1,142,659.8186
 C.C. = N 1,893,650.6178 E 1,142,992.5764
 Back = S 87° 29' 58.79" W
 Ahead = S 82° 33' 51.35" W
 Chord Bear = S 85° 01' 55.07" W

Course from PT E LARIME B-1 to 1581 S 82° 33' 51.35" W Dist 294.3252

Point 1581 N 1,896,162.1700 E 1,142,367.9685 Sta 5+15.81

RAMP E_CICERO_A

Curve Data

Curve E CICERO A-1
 P.I. Station = 0+52.25 N 1,896,434.6065 E 1,143,503.7729
 Delta = 3° 38' 18.52" (LT)
 Degree = 3° 28' 57.71"
 Tangent = 52.2541
 Length = 104.4730
 Radius = 1,645.1556
 External = 0.8296
 Long Chord = 104.4555
 Mid. Ord. = 0.8292
 P.C. Station = 0+00.00 N 1,896,432.0042 E 1,143,451.5836
 P.T. Station = 1+04.47 N 1,896,440.5154 E 1,143,555.6918
 C.C. = N 1,898,075.1185 E 1,143,369.6547
 Back = N 87° 08' 43.74" E
 Ahead = N 83° 30' 25.21" E
 Chord Bear = N 85° 19' 34.47" E

Course from PT E CICERO A-1 to 1591 N 83° 30' 25.21" E Dist 87.1958

Point 1591 N 1,896,450.3757 E 1,143,642.3282 Sta 1+91.67

Course from 1591 to 1592 N 83° 04' 37.29" E Dist 327.3052

Point 1592 N 1,896,489.8274 E 1,143,967.2471 Sta 5+18.97

RAMP E_CICERO_B

Curve Data

Curve E CICERO B-1
 P.I. Station = 0+34.10 N 1,896,231.6495 E 1,143,463.2709
 Delta = 4° 20' 45.21" (RT)
 Degree = 6° 22' 33.61"
 Tangent = 34.0964
 Length = 68.1601
 Radius = 898.6158
 External = 0.6466
 Long Chord = 68.1438
 Mid. Ord. = 0.6462
 P.C. Station = 0+00.00 N 1,896,231.1927 E 1,143,429.1776
 P.T. Station = 0+68.16 N 1,896,229.5214 E 1,143,497.3009
 C.C. = N 1,895,332.6575 E 1,143,441.2168
 Back = N 89° 13' 56.48" E
 Ahead = S 86° 25' 18.30" E
 Chord Bear = S 88° 35' 40.91" E

Course from PT E CICERO B-1 to 1601 S 86° 09' 45.46" E Dist 549.4596

Point 1601 N 1,896,192.7490 E 1,144,045.5286 Sta 6+17.62

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_abc_c3_290_r_data_exalign_23.dgn	DRAWN - DMS	REVISED -			290	12828B,D, ETC., 3031.1RS-6	COOK	185	38			
USER NAME = tblank	CHECKED - CAR	REVISED -			CONTRACT NO. 60653							
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 23 OF 33 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

RAMP E_KSTNR_A

Point 1610 N 1,897,285.1989 E 1,148,449.3379 Sta 0+00.00
 Course from 1610 to 1611 N 88° 09' 59.64" W Dist 144.7266
 Point 1611 N 1,897,289.8293 E 1,148,304.6854 Sta 1+44.73
 Course from 1611 to 1612 N 88° 57' 00.91" W Dist 447.7352
 Point 1612 N 1,897,298.0321 E 1,147,857.0254 Sta 5+92.46
 Course from 1612 to PC E KSTNR A-1 N 89° 01' 59.91" W Dist 338.5378

Curve Data

Curve E KSTNR A-1
 P.I. Station 9+84.90 N 1,897,304.6530 E 1,147,464.6420
 Delta = 7° 42' 33.00" (RT)
 Degree = 7° 09' 43.10"
 Tangent = 53.9015
 Length = 107.6403
 Radius = 800.0000
 External = 1.8138
 Long Chord = 107.5591
 Mid. Ord. = 1.8097
 P.C. Station 9+31.00 N 1,897,303.7436 E 1,147,518.5358
 P.T. Station 10+38.64 N 1,897,312.7837 E 1,147,411.3573
 C.C. N 1,898,103.6297 E 1,147,532.0327
 Back = N 89° 01' 59.91" W
 Ahead = N 81° 19' 26.90" W
 Chord Bear = N 85° 10' 43.41" W

Curve Data

Curve E KSTNR A-2
 P.I. Station 10+54.05 N 1,897,315.1086 E 1,147,396.1214
 Delta = 2° 12' 26.52" (RT)
 Degree = 7° 09' 43.10"
 Tangent = 15.4122
 Length = 30.8207
 Radius = 800.0000
 External = 0.1484
 Long Chord = 30.8188
 Mid. Ord. = 0.1484
 P.C. Station 10+38.64 N 1,897,312.7837 E 1,147,411.3573
 P.T. Station 10+69.46 N 1,897,318.0185 E 1,147,380.9864
 C.C. N 1,898,103.6297 E 1,147,532.0327
 Back = N 81° 19' 26.90" W
 Ahead = N 79° 07' 00.38" W
 Chord Bear = N 80° 13' 13.64" W

RAMP E_KSTNR_B

Curve Data

Curve E KSTNR B-1
 P.I. Station 1+15.44 N 1,897,077.3106 E 1,147,942.1657
 Delta = 4° 43' 00.96" (LT)
 Degree = 2° 02' 39.30"
 Tangent = 115.4359
 Length = 230.7413
 Radius = 2,802.7757
 External = 2.3762
 Long Chord = 230.6761
 Mid. Ord. = 2.3742
 P.C. Station 0+00.00 N 1,897,084.5661 E 1,148,057.3733
 P.T. Station 2+30.74 N 1,897,060.6057 E 1,147,827.9449
 C.C. N 1,894,287.3321 E 1,148,233.5376
 Back = S 86° 23' 46.98" W
 Ahead = S 81° 40' 46.03" W
 Chord Bear = S 84° 02' 16.50" W

Curve Data

Curve E KSTNR B-2
 P.I. Station 2+72.71 N 1,897,054.5319 E 1,147,786.4144
 Delta = 9° 35' 48.62" (LT)
 Degree = 11° 27' 32.96"
 Tangent = 41.9723
 Length = 83.7482
 Radius = 500.0000
 External = 1.7586
 Long Chord = 83.6504
 Mid. Ord. = 1.7524
 P.C. Station 2+30.74 N 1,897,060.6057 E 1,147,827.9449
 P.T. Station 3+14.49 N 1,897,041.6193 E 1,147,746.4778
 C.C. N 1,896,565.8687 E 1,147,900.3005
 Back = S 81° 40' 46.03" W
 Ahead = S 72° 04' 57.40" W
 Chord Bear = S 76° 52' 51.71" W

Curve Data

Curve E KSTNR B-3
 P.I. Station 3+68.55 N 1,897,024.9877 E 1,147,695.0389
 Delta = 3° 37' 02.01" (LT)
 Degree = 3° 20' 47.87"
 Tangent = 54.0607
 Length = 108.0856
 Radius = 1,712.0431
 External = 0.8533
 Long Chord = 108.0676
 Mid. Ord. = 0.8529
 P.C. Station 3+14.49 N 1,897,041.6193 E 1,147,746.4778
 P.T. Station 4+22.58 N 1,897,005.1440 E 1,147,644.7518
 C.C. N 1,895,412.6084 E 1,148,273.1799
 Back = S 72° 04' 57.40" W
 Ahead = S 68° 27' 55.39" W
 Chord Bear = S 70° 16' 26.40" W

Course from PT E KSTNR B-3 to 1621 S 69° 03' 20.47" W Dist 472.8644

Point 1621 N 1,896,836.1137 E 1,147,203.1304 Sta 8+95.44
 Point 1622 N 1,896,836.1137 E 1,147,203.1304 Sta 8+95.44

FILE NAME -	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\h_abc_c3_290_r_data_exalign_24.dgn	DRAWN - DMS	REVISED -					290	(2828B,D, ETC., 3031,1RS-6)	COOK	185	39
USER NAME - tbenk	CHECKED - CAR	REVISED -					CONTRACT NO. 60653				
PLOT DATE - 11/12/2009	DATE - 10/16/09	REVISED -					SCALE: N.T.S.	SHEET NO. 24 OF 33 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

RAMP E_INDEP_A

Point 1630 N 1,897,317.2135 E 1,149,847.3555 Sta 0+00.00

Course from 1630 to PC E INDEP A-1 N 87° 27' 46.83" E Dist 331.4364

Curve Data

Curve E INDEP A-1
 P.I. Station 4+21.99 N 1,897,335.8924 E 1,150,268.9276
 Delta = 5° 11' 04.41" (LT)
 Degree = 2° 51' 53.24"
 Tangent = 90.5494
 Length = 180.9752
 Radius = 2,000.0000
 External = 2.0487
 Long Chord = 180.9135
 Mid. Ord. = 2.0467
 P.C. Station 3+31.44 N 1,897,331.8843 E 1,150,178.4670
 P.T. Station 5+12.41 N 1,897,348.0585 E 1,150,358.6560
 C.C. N 1,899,329.9240 E 1,150,089.9382
 Back = N 87° 27' 46.83" E
 Ahead = N 82° 16' 42.42" E
 Chord Bear = N 84° 52' 14.63" E

Course from PT E INDEP A-1 to 1631 N 82° 16' 42.42" E Dist 395.9644

Point 1631 N 1,897,401.2599 E 1,150,751.0301 Sta 9+08.38

RAMP E_INDEP_B

Point 1640 N 1,897,140.7241 E 1,149,883.6323 Sta 0+00.00

Course from 1640 to 1641 S 87° 35' 47.98" E Dist 214.2116

Point 1641 N 1,897,131.7414 E 1,150,097.6556 Sta 2+14.21

Course from 1641 to 1642 S 87° 19' 06.80" E Dist 373.2440

Point 1642 N 1,897,114.2799 E 1,150,470.4909 Sta 5+87.46

Course from 1642 to 1643 S 87° 09' 11.48" E Dist 377.9244

Point 1643 N 1,897,095.5100 E 1,150,847.9489 Sta 9+65.38

RAMP E_INDEP_C

Point 1650 N 1,897,372.5911 E 1,152,336.9713 Sta 0+00.00

Course from 1650 to 1651 N 85° 34' 27.99" W Dist 342.0589

Point 1651 N 1,897,398.9856 E 1,151,995.9323 Sta 3+42.06

Course from 1651 to 1652 N 85° 25' 46.59" W Dist 353.1759

Point 1652 N 1,897,427.1281 E 1,151,643.8794 Sta 6+95.23

Course from 1652 to 1653 N 81° 23' 00.63" W Dist 51.0087

Point 1653 N 1,897,434.7702 E 1,151,593.4464 Sta 7+46.24

RAMP E_INDEP_D

Curve Data

Curve E INDEP D-1
 P.I. Station 1+34.95 N 1,897,191.0452 E 1,152,310.2632
 Delta = 2° 59' 12.49" (LT)
 Degree = 1° 06' 24.69"
 Tangent = 134.9531
 Length = 269.8452
 Radius = 5,176.4358
 External = 1.7589
 Long Chord = 269.8146
 Mid. Ord. = 1.7583
 P.C. Station 0+00.00 N 1,897,194.2751 E 1,152,445.1777
 P.T. Station 2+69.85 N 1,897,180.7899 E 1,152,175.7003
 C.C. N 1,892,019.3220 E 1,152,569.0666
 Back = S 88° 37' 42.94" W
 Ahead = S 85° 38' 30.46" W
 Chord Bear = S 87° 08' 06.70" W

Course from PT E INDEP D-1 to 1661 S 82° 59' 52.05" W Dist 166.9370

Point 1661 N 1,897,160.4390 E 1,152,010.0084 Sta 4+36.78

Course from 1661 to 1662 S 84° 17' 12.67" W Dist 222.9437

Point 1662 N 1,897,138.2454 E 1,151,788.1722 Sta 6+59.73

Course from 1662 to 1663 S 82° 34' 01.96" W Dist 163.7958

Point 1663 N 1,897,117.0562 E 1,151,625.7527 Sta 8+23.52

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\in_abc_c3_290_ft_data_exalign_25.dgn	DRAWN - DMS	REVISED -					290	2828B,D, ETC., 3031.1RS-6	COOK	185	40
USER NAME = tblank	CHECKED - CAR	REVISED -					CONTRACT NO. 60G53				
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -					SCALE: N.T.S.	SHEET NO. 25 OF 33 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

RAMP E_HOMAN_A

Curve Data

 Curve E HOMAN A-1
 P.I. Station 0+32.44 N 1,897,479.7061 E 1,154,098.9317
 Delta = 8° 14' 49.79" (LT)
 Degree = 12° 43' 56.62"
 Tangent = 32.4426
 Length = 64.7731
 Radius = 450.0000
 External = 1.1680
 Long Chord = 64.7172
 Mid. Ord. = 1.1649
 P.C. Station 0+00.00 N 1,897,483.6045 E 1,154,066.7242
 P.T. Station 0+64.77 N 1,897,480.4680 E 1,154,131.3653
 C.C. N 1,897,930.3439 E 1,154,120.7973
 Back = S 83° 05' 54.69" E
 Ahead = N 88° 39' 15.52" E
 Chord Bear = S 87° 13' 19.59" E

Course from PT E HOMAN A-1 to PC E HOMAN A-2 N 88° 39' 15.52" E Dist 601.7240

Curve Data

 Curve E HOMAN A-2
 P.I. Station 7+36.77 N 1,897,496.2495 E 1,154,803.1757
 Delta = 10° 02' 23.68" (LT)
 Degree = 7° 09' 43.10"
 Tangent = 70.2717
 Length = 140.1836
 Radius = 800.0000
 External = 3.0804
 Long Chord = 140.0043
 Mid. Ord. = 3.0686
 P.C. Station 6+66.50 N 1,897,494.5992 E 1,154,732.9234
 P.T. Station 8+06.68 N 1,897,510.1219 E 1,154,872.0645
 C.C. N 1,898,294.3786 E 1,154,714.1358
 Back = N 88° 39' 15.52" E
 Ahead = N 78° 36' 51.84" E
 Chord Bear = N 83° 38' 03.68" E

Course from PT E HOMAN A-2 to PC E HOMAN A-3 N 78° 36' 51.84" E Dist 794.0814

Curve Data

 Curve E HOMAN A-3
 P.I. Station 18+16.75 N 1,897,709.5203 E 1,155,862.2545
 Delta = 22° 21' 22.36" (LT)
 Degree = 5° 14' 31.44"
 Tangent = 215.9858
 Length = 426.4771
 Radius = 1,093.0000
 External = 21.1359
 Long Chord = 423.7768
 Mid. Ord. = 20.7350
 P.C. Station 16+00.76 N 1,897,666.8823 E 1,155,650.5191
 P.T. Station 20+27.24 N 1,897,829.4899 E 1,156,041.8573
 C.C. N 1,898,738.3730 E 1,155,434.7489
 Back = N 78° 36' 51.84" E
 Ahead = N 56° 15' 29.48" E
 Chord Bear = N 67° 26' 10.66" E

Course from PT E HOMAN A-3 to 1671 N 56° 15' 29.48" E Dist 270.9531

Point 1671 N 1,897,979.9912 E 1,156,267.1681 Sta 22+98.19

RAMP E_HOMAN_B

Point 1680 N 1,897,421.5450 E 1,156,419.7096 Sta 0+00.00
 Course from 1680 to PC E HOMAN B-1 N 83° 51' 56.85" W Dist 176.9219

Curve Data

 Curve E HOMAN B-1
 P.I. Station 2+24.15 N 1,897,445.4976 E 1,156,196.8389
 Delta = 3° 02' 23.89" (LT)
 Degree = 3° 13' 07.91"
 Tangent = 47.2322
 Length = 94.4423
 Radius = 1,780.0000
 External = 0.6265
 Long Chord = 94.4312
 Mid. Ord. = 0.6263
 P.C. Station 1+76.92 N 1,897,440.4504 E 1,156,243.8007
 P.T. Station 2+71.36 N 1,897,448.0471 E 1,156,149.6755
 C.C. N 1,895,670.6421 E 1,156,053.5940
 Back = N 83° 51' 56.85" W
 Ahead = N 86° 54' 20.74" W
 Chord Bear = N 85° 23' 08.80" W

Course from PT E HOMAN B-1 to PC E HOMAN B-2 N 86° 54' 20.74" W Dist 334.0522

Curve Data

 Curve E HOMAN B-2
 P.I. Station 7+31.39 N 1,897,472.8785 E 1,155,690.3202
 Delta = 14° 21' 35.59" (LT)
 Degree = 5° 43' 46.48"
 Tangent = 125.9738
 Length = 250.6273
 Radius = 1,000.0000
 External = 7.9035
 Long Chord = 249.9719
 Mid. Ord. = 7.8415
 P.C. Station 6+05.42 N 1,897,466.0787 E 1,155,816.1103
 P.T. Station 8+56.04 N 1,897,448.2685 E 1,155,566.7737
 C.C. N 1,896,467.5366 E 1,155,762.1319
 Back = N 86° 54' 20.74" W
 Ahead = S 78° 44' 03.67" W
 Chord Bear = S 85° 54' 51.46" W

Course from PT E HOMAN B-2 to PC E HOMAN B-3 S 78° 44' 03.67" W Dist 554.8583

Curve Data

 Curve E HOMAN B-3
 P.I. Station 14+74.84 N 1,897,327.3816 E 1,154,959.9002
 Delta = 5° 28' 18.34" (LT)
 Degree = 4° 16' 55.90"
 Tangent = 63.9383
 Length = 127.7793
 Radius = 1,338.0000
 External = 1.5268
 Long Chord = 127.7308
 Mid. Ord. = 1.5251
 P.C. Station 14+10.90 N 1,897,339.8724 E 1,155,022.6065
 P.T. Station 15+38.68 N 1,897,308.9683 E 1,154,898.6707
 C.C. N 1,896,027.6531 E 1,155,283.9957
 Back = S 78° 44' 03.67" W
 Ahead = S 73° 15' 45.33" W
 Chord Bear = S 75° 59' 54.50" W

Course from PT E HOMAN B-3 to PC E HOMAN B-4 S 73° 15' 45.33" W Dist 151.8636

RAMP E_HOMAN_B

Curve Data

 Curve E HOMAN B-4
 P.I. Station 18+53.22 N 1,897,218.3864 E 1,154,597.4602
 Delta = 12° 15' 55.00" (RT)
 Degree = 3° 47' 03.83"
 Tangent = 162.6723
 Length = 324.1012
 Radius = 1,514.0000
 External = 8.7141
 Long Chord = 323.4827
 Mid. Ord. = 8.6642
 P.C. Station 16+90.54 N 1,897,265.2337 E 1,154,753.2409
 P.T. Station 20+14.65 N 1,897,205.7022 E 1,154,435.2832
 C.C. N 1,898,715.0926 E 1,154,317.2303
 Back = S 73° 15' 45.33" W
 Ahead = S 85° 31' 40.33" W
 Chord Bear = S 79° 23' 42.83" W

Course from PT E HOMAN B-4 to PC E HOMAN B-5 S 85° 31' 40.33" W Dist 182.3528

Curve Data

 Curve E HOMAN B-5
 P.I. Station 22+08.43 N 1,897,190.5924 E 1,154,242.0939
 Delta = 7° 15' 52.46" (LT)
 Degree = 31° 49' 51.56"
 Tangent = 11.4265
 Length = 22.8223
 Radius = 180.0000
 External = 0.3623
 Long Chord = 22.8070
 Mid. Ord. = 0.3616
 P.C. Station 21+97.00 N 1,897,191.4834 E 1,154,253.4856
 P.T. Station 22+19.82 N 1,897,188.2681 E 1,154,230.9063
 C.C. N 1,897,012.0314 E 1,154,267.5209
 Back = S 85° 31' 40.33" W
 Ahead = S 78° 15' 47.87" W
 Chord Bear = S 81° 53' 44.10" W

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_abc_c3_290_r_data_exalign_26.dgn	DRAWN - DMS	REVISED -			290	(2828B,D, ETC., 3031,1RS-6	COOK	185	41		
USER NAME = tblank	CHECKED - CAR	REVISED -			SCALE: N.T.S. SHEET NO. 26 OF 33 SHEETS STA. TO STA.		CONTRACT NO. 60G53				
PLOT DATE = 11/12/2009	DATE = 10/16/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

RAMP E_CALIF_A

Point 1700 N 1,897,952.9473 E 1,157,964.1879 Sta 0+00.00
 Course from 1700 to 1701 N 86° 36' 17.58" E Dist 330.9476
 Point 1701 N 1,897,972.5465 E 1,158,294.5547 Sta 3+30.95
 Course from 1701 to 1702 N 86° 36' 17.58" E Dist 446.7145
 Point 1702 N 1,897,999.0015 E 1,158,740.4851 Sta 7+77.66

RAMP E_CALIF_C

Point 1810 N 1,897,997.9297 E 1,159,957.1311 Sta 0+00.00
 Course from 1810 to 1811 N 87° 31' 08.72" W Dist 331.7492
 Point 1811 N 1,898,012.2899 E 1,159,625.6928 Sta 3+31.75
 Course from 1811 to 1812 N 87° 31' 54.25" W Dist 114.7871
 Point 1812 N 1,898,017.2334 E 1,159,511.0122 Sta 4+46.54

RAMP E_CALIF_B

Point 1800 N 1,897,744.7450 E 1,158,290.4863 Sta 0+00.00
 Course from 1800 to 1801 S 87° 03' 57.79" E Dist 123.6442
 Point 1801 N 1,897,738.4163 E 1,158,413.9685 Sta 1+23.64
 Course from 1801 to 1802 S 87° 15' 37.37" E Dist 211.7380
 Point 1802 N 1,897,728.2959 E 1,158,625.4645 Sta 3+35.38
 Course from 1802 to 1803 S 86° 24' 26.05" E Dist 78.6889
 Point 1803 N 1,897,723.3649 E 1,158,703.9988 Sta 4+14.07

RAMP E_CALIF_D

Point 1820 N 1,897,784.9264 E 1,160,213.0306 Sta 0+00.00
 Course from 1820 to 1821 S 86° 30' 20.98" W Dist 368.6233
 Point 1821 N 1,897,762.4599 E 1,159,845.0927 Sta 3+68.62
 Course from 1821 to 1822 S 86° 24' 48.04" W Dist 261.7948
 Point 1822 N 1,897,746.0826 E 1,159,583.8107 Sta 6+30.42
 Course from 1822 to 1823 S 86° 24' 48.04" W Dist 69.4034
 Point 1823 N 1,897,741.7408 E 1,159,514.5432 Sta 6+99.82
 Course from 1823 to 1824 S 87° 12' 55.29" W Dist 52.3618
 Point 1824 N 1,897,739.1970 E 1,159,462.2432 Sta 7+52.18

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_abc_c3_290_r_data_exalign_27.dgn	DRAWN - DMS	REVISED -				290	(2828B,D, ETC., 3031,IRS-6)	COOK	185	42
USER NAME = tbi:ank	CHECKED - CAR	REVISED -				CONTRACT NO. 60C53				
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -				SCALE: N.T.S.	SHEET NO. 27 OF 33 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

RAMP E_CALIF_E

Curve Data

Curve E CALIF E-1
 P.I. Station = 0+61.39 N 1,898,013.3219 E 1,158,142.9780
 Delta = 8° 40' 07.49" (LT)
 Degree = 7° 04' 24.79"
 Tangent = 61.3929
 Length = 122.5515
 Radius = 810.0000
 External = 2.3233
 Long Chord = 122.4347
 Mid. Ord. = 2.3166
 P.C. Station = 0+00.00 N 1,898,022.3646 E 1,158,082.2547
 P.T. Station = 1+22.55 N 1,898,013.5349 E 1,158,204.3705
 C.C. = N 1,898,823.5300 E 1,158,201.5614
 Back = S 81° 31' 47.85" E
 Ahead = N 89° 48' 04.66" E
 Chord Bear = S 85° 51' 51.60" E

Course from PT E CALIF E-1 to 1831 N 89° 48' 04.66" E Dist 450.0130

Point 1831 N 1,898,015.0955 E 1,158,654.3808 Sta 5+72.56

Course from 1831 to 1832 S 89° 45' 26.13" E Dist 132.4477

Point 1832 N 1,898,014.5344 E 1,158,786.8273 Sta 7+05.01

Course from 1832 to 1833 N 88° 37' 05.16" E Dist 266.1199

Point 1833 N 1,898,020.9522 E 1,159,052.8698 Sta 9+71.13

Course from 1833 to 1834 N 88° 51' 34.81" E Dist 67.2595

Point 1834 N 1,898,022.2908 E 1,159,120.1160 Sta 10+38.39

Course from 1834 to 1835 N 88° 51' 34.81" E Dist 154.7606

Point 1835 N 1,898,025.3707 E 1,159,274.8460 Sta 11+93.15

Course from 1835 to 1836 N 88° 16' 31.97" E Dist 10.8339

Point 1836 N 1,898,025.6967 E 1,159,285.6749 Sta 12+03.99

Course from 1836 to PC E CALIF E-2 N 87° 47' 15.06" E Dist 516.5721

Curve Data

Curve E CALIF E-2
 P.I. Station = 17+92.44 N 1,898,048.4143 E 1,159,873.6904
 Delta = 2° 00' 05.46" (LT)
 Degree = 1° 23' 32.51"
 Tangent = 71.8820
 Length = 143.7495
 Radius = 4,115.0000
 External = 0.6278
 Long Chord = 143.7421
 Mid. Ord. = 0.6277
 P.C. Station = 17+20.56 N 1,898,045.6393 E 1,159,801.8619
 P.T. Station = 18+64.31 N 1,898,053.6963 E 1,159,945.3781
 C.C. = N 1,902,157.5716 E 1,159,643.0002
 Back = N 87° 47' 15.06" E
 Ahead = N 85° 47' 09.60" E
 Chord Bear = N 86° 47' 12.33" E

RAMP E_CALIF_E

Curve Data

Curve E CALIF E-3
 P.I. Station = 19+11.45 N 1,898,057.1608 E 1,159,992.3978
 Delta = 12° 13' 55.63" (LT)
 Degree = 13° 01' 18.37"
 Tangent = 47.1472
 Length = 93.9359
 Radius = 440.0000
 External = 2.5188
 Long Chord = 93.7577
 Mid. Ord. = 2.5044
 P.C. Station = 18+64.31 N 1,898,053.6963 E 1,159,945.3781
 P.T. Station = 19+58.24 N 1,898,070.5088 E 1,160,037.6160
 C.C. = N 1,898,492.5068 E 1,159,913.0461
 Back = N 85° 47' 09.60" E
 Ahead = N 73° 33' 13.97" E
 Chord Bear = N 79° 40' 11.78" E

RAMP E_CALIF_F

Curve Data

Curve E CALIF F-1
 P.I. Station = 0+72.28 N 1,897,726.7705 E 1,159,973.5411
 Delta = 10° 00' 08.95" (LT)
 Degree = 6° 56' 11.53"
 Tangent = 72.2837
 Length = 144.2000
 Radius = 826.0000
 External = 3.1568
 Long Chord = 144.0170
 Mid. Ord. = 3.1447
 P.C. Station = 0+00.00 N 1,897,714.5173 E 1,160,044.7787
 P.T. Station = 1+44.20 N 1,897,726.4642 E 1,159,901.2581
 C.C. = N 1,896,900.4716 E 1,159,904.7583
 Back = N 80° 14' 25.13" W
 Ahead = S 89° 45' 25.93" W
 Chord Bear = N 85° 14' 29.60" W

Course from PT E CALIF F-1 to 1851 S 89° 45' 25.93" W Dist 317.5127

Point 1851 N 1,897,725.1187 E 1,159,583.7482 Sta 4+61.71

Course from 1851 to 1852 S 89° 54' 17.23" W Dist 292.5840

Point 1852 N 1,897,724.6325 E 1,159,291.1646 Sta 7+54.30

Course from 1852 to 1853 S 89° 54' 17.23" W Dist 13.2330

Point 1853 N 1,897,724.6105 E 1,159,277.9317 Sta 7+67.53

Course from 1853 to 1854 S 88° 24' 31.55" W Dist 150.3626

Point 1854 N 1,897,720.4351 E 1,159,127.6271 Sta 9+17.89

Course from 1854 to 1855 S 88° 24' 31.55" W Dist 67.2589

Point 1855 N 1,897,718.5674 E 1,159,060.3941 Sta 9+85.15

Course from 1855 to 1856 S 88° 37' 21.17" W Dist 284.1742

Point 1856 N 1,897,711.7362 E 1,158,776.3019 Sta 12+69.33

Course from 1856 to PC E CALIF F-2 S 87° 25' 06.33" W Dist 502.1369

Curve Data

Curve E CALIF F-2
 P.I. Station = 18+40.21 N 1,897,686.0225 E 1,158,205.9947
 Delta = 8° 46' 31.33" (LT)
 Degree = 6° 23' 40.63"
 Tangent = 68.7497
 Length = 137.2306
 Radius = 896.0000
 External = 2.6337
 Long Chord = 137.0965
 Mid. Ord. = 2.6260
 P.C. Station = 17+71.46 N 1,897,689.1191 E 1,158,274.6746
 P.T. Station = 19+08.69 N 1,897,672.4843 E 1,158,138.5911
 C.C. = N 1,896,794.0285 E 1,158,315.0320
 Back = S 87° 25' 06.33" W
 Ahead = S 78° 38' 35.00" W
 Chord Bear = S 83° 01' 50.67" W

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\xp1n_abc_c3_298_r_data\exalign-28.dgn	DRAWN - DMS	REVISED -				290	(2828B.D. ETC., 3031.1RS-6	COOK	185	43
USER NAME = tblank	CHECKED - CAR	REVISED -				CONTRACT NO. 60653				
DATE = 11/12/2009	DATE - 10/16/09	REVISED -				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
			SCALE: N.T.S.	SHEET NO. 28 OF 33 SHEETS	STA. TO STA.					

RAMP E DAMEN_A

Point 1860 N 1,898,099.5621 E 1,161,402.1433 Sta 0+00.00
 Course from 1860 to 1861 S 82° 50' 38.93" E Dist 192.1289
 Point 1861 N 1,898,075.6289 E 1,161,592.7757 Sta 1+92.13
 Course from 1861 to 1862 S 82° 11' 39.31" E Dist 181.5361
 Point 1862 N 1,898,050.9736 E 1,161,772.6297 Sta 3+73.66
 Course from 1862 to 1863 S 88° 46' 43.44" E Dist 56.6500
 Point 1863 N 1,898,049.7662 E 1,161,829.2668 Sta 4+30.31
 Course from 1863 to 1864 N 89° 03' 40.52" E Dist 541.2285
 Point 1864 N 1,898,058.6334 E 1,162,370.4226 Sta 9+71.54
 Course from 1864 to PC E DAMEN A-1 N 87° 27' 00.71" E Dist 104.5201

Curve Data

Curve E DAMEN A-1
 P.I. Station 11+48.81 N 1,898,066.5193 E 1,162,547.5090
 Delta = 9° 55' 19.69" (LT)
 Degree = 6° 50' 13.94"
 Tangent = 72.7418
 Length = 145.1198
 Radius = 838.0000
 External = 3.1512
 Long Chord = 144.9385
 Mid. Ord. = 3.1394
 P.C. Station 10+76.06 N 1,898,063.2832 E 1,162,474.8392
 P.T. Station 12+21.18 N 1,898,082.2287 E 1,162,618.5342
 C.C. N 1,898,900.4535 E 1,162,437.5585
 Back = N 87° 27' 00.71" E
 Ahead = N 77° 31' 41.02" E
 Chord Bear = N 82° 29' 20.87" E

Course from PT E DAMEN A-1 to 1865 N 77° 31' 41.02" E Dist 252.6108

Point 1865 N 1,898,136.7829 E 1,162,865.1838 Sta 14+73.79

RAMP E DAMEN_B

Point 1870 N 1,897,736.8831 E 1,162,869.8137 Sta 0+00.00
 Course from 1870 to 1871 N 83° 31' 38.47" W Dist 123.2384
 Point 1871 N 1,897,750.7756 E 1,162,747.3608 Sta 1+23.24
 Course from 1871 to PC E DAMEN B-1 N 83° 34' 31.59" W Dist 452.9715

Curve Data

Curve E DAMEN B-1
 P.I. Station 6+61.28 N 1,897,810.9792 E 1,162,212.7028
 Delta = 7° 22' 08.11" (LT)
 Degree = 4° 20' 14.29"
 Tangent = 85.0654
 Length = 169.8963
 Radius = 1,321.0000
 External = 2.7360
 Long Chord = 169.7792
 Mid. Ord. = 2.7304
 P.C. Station 5+76.21 N 1,897,801.4608 E 1,162,297.2340
 P.T. Station 7+46.11 N 1,897,809.5772 E 1,162,127.6489
 C.C. N 1,896,488.7566 E 1,162,149.4209
 Back = N 83° 34' 31.59" W
 Ahead = S 89° 03' 20.30" W
 Chord Bear = N 87° 15' 35.65" W

Course from PT E DAMEN B-1 to PC E DAMEN B-2 S 89° 03' 20.30" W Dist 307.6960

Curve Data

Curve E DAMEN B-2
 P.I. Station 11+60.52 N 1,897,802.7471 E 1,161,713.2937
 Delta = 13° 50' 39.47" (LT)
 Degree = 6° 31' 05.85"
 Tangent = 106.7155
 Length = 212.3915
 Radius = 879.0000
 External = 6.4542
 Long Chord = 211.8752
 Mid. Ord. = 6.4072
 P.C. Station 10+53.80 N 1,897,804.5059 E 1,161,819.9947
 P.T. Station 12+66.19 N 1,897,775.5075 E 1,161,610.1133
 C.C. N 1,896,925.6253 E 1,161,834.4819
 Back = S 89° 03' 20.30" W
 Ahead = S 75° 12' 40.83" W
 Chord Bear = S 82° 08' 00.56" W

Course from PT E DAMEN B-2 to 1872 S 75° 12' 40.83" W Dist 255.1687

Point 1872 N 1,897,710.3746 E 1,161,363.3974 Sta 15+21.36

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\in_ABC_C3_290_R_Data_exalign_29.dgn	DRAWN - DMS	REVISED -						290	(28288,0, ETC., 3031,1RS-6	COOK	185	44
USER NAME = tblank	CHECKED - CAR	REVISED -			CONTRACT NO. 60653							
PLOT DATE = 1/12/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 29 OF 33 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

RAMP E_PLINA_A

Point 1880 N 1,898,145.7306 E 1,163,446.2754 Sta 0+00.00

Course from 1880 to 1881 S 83° 17' 49.79" E Dist 288.4727

Point 1881 N 1,898,112.0601 E 1,163,732.7764 Sta 2+88.47

Course from 1881 to PC E PLINA A-1 S 85° 47' 44.76" E Dist 215.6583

Curve Data

Curve E PLINA A-1

P.I. Station 5+23.48 N 1,898,094.8315 E 1,163,967.1481
 Delta = 5° 47' 54.07" (LT)
 Degree = 14° 59' 56.02"
 Tangent = 19.3458
 Length = 38.6585
 Radius = 382.0000
 External = 0.4896
 Long Chord = 38.6420
 Mid. Ord. = 0.4889
 P.C. Station 5+04.13 N 1,898,096.2497 E 1,163,947.8544
 P.T. Station 5+42.79 N 1,898,095.3697 E 1,163,986.4864
 C.C. N 1,898,477.2218 E 1,163,975.8595
 Back = S 85° 47' 44.76" E
 Ahead = N 88° 24' 21.17" E
 Chord Bear = S 88° 41' 41.79" E

Course from PT E PLINA A-1 to PC E PLINA A-2 N 88° 24' 21.17" E Dist 383.1736

Curve Data

Curve E PLINA A-2

P.I. Station 9+67.47 N 1,898,107.1838 E 1,164,410.9992
 Delta = 7° 35' 10.63" (LT)
 Degree = 9° 09' 09.65"
 Tangent = 41.5036
 Length = 82.8859
 Radius = 626.0000
 External = 1.3743
 Long Chord = 82.8254
 Mid. Ord. = 1.3713
 P.C. Station 9+25.96 N 1,898,106.0292 E 1,164,369.5117
 P.T. Station 10+08.85 N 1,898,113.8054 E 1,164,451.9712
 C.C. N 1,898,731.7869 E 1,164,352.0969
 Back = N 88° 24' 21.17" E
 Ahead = N 80° 49' 10.54" E
 Chord Bear = N 84° 36' 45.86" E

Course from PT E PLINA A-2 to 1882 N 80° 49' 10.54" E Dist 79.9728

Point 1882 N 1,898,126.5645 E 1,164,530.9196 Sta 10+88.82

Course from 1882 to 1883 N 79° 08' 55.61" E Dist 304.7514

Point 1883 N 1,898,183.9368 E 1,164,830.2218 Sta 13+93.57

RAMP E_PLINA_B

Curve Data

Curve E PLINA B-1

P.I. Station 0+67.90 N 1,897,813.8461 E 1,164,736.1067
 Delta = 3° 32' 30.55" (LT)
 Degree = 2° 36' 32.75"
 Tangent = 67.8961
 Length = 135.7489
 Radius = 2,196.0000
 External = 1.0494
 Long Chord = 135.7273
 Mid. Ord. = 1.0489
 P.C. Station 0+00.00 N 1,897,804.3350 E 1,164,803.3332
 P.T. Station 1+35.75 N 1,897,819.1859 E 1,164,668.4209
 C.C. N 1,895,629.9880 E 1,164,495.7110
 Back = N 81° 56' 50.47" W
 Ahead = N 85° 29' 21.02" W
 Chord Bear = N 83° 43' 05.75" W

Course from PT E PLINA B-1 to PC E PLINA B-2 N 85° 29' 21.02" W Dist 416.7624

Curve Data

Curve E PLINA B-2

P.I. Station 6+00.22 N 1,897,855.7157 E 1,164,205.3842
 Delta = 6° 04' 09.60" (LT)
 Degree = 6° 21' 58.31"
 Tangent = 47.7131
 Length = 95.3369
 Radius = 900.0000
 External = 1.2639
 Long Chord = 95.2923
 Mid. Ord. = 1.2621
 P.C. Station 5+52.51 N 1,897,851.9632 E 1,164,252.9494
 P.T. Station 6+47.85 N 1,897,854.4181 E 1,164,157.6887
 C.C. N 1,896,954.7510 E 1,164,182.1667
 Back = N 85° 29' 21.02" W
 Ahead = S 88° 26' 29.38" W
 Chord Bear = N 88° 31' 25.82" W

Course from PT E PLINA B-2 to 1891 S 88° 26' 29.38" W Dist 274.9672

Point 1891 N 1,897,846.9396 E 1,163,882.8233 Sta 9+22.82

Course from 1891 to 1892 S 83° 40' 48.48" W Dist 235.8277

Point 1892 N 1,897,820.9799 E 1,163,648.4288 Sta 11+58.64

Course from 1892 to PC E PLINA B-3 S 81° 21' 12.02" W Dist 120.4828

Curve Data

Curve E PLINA B-3

P.I. Station 13+74.83 N 1,897,788.4787 E 1,163,434.7018
 Delta = 7° 05' 04.08" (LT)
 Degree = 3° 42' 21.84"
 Tangent = 95.7013
 Length = 191.1587
 Radius = 1,546.0000
 External = 2.9592
 Long Chord = 191.0369
 Mid. Ord. = 2.9536
 P.C. Station 12+79.13 N 1,897,802.8665 E 1,163,529.3153
 P.T. Station 14+70.28 N 1,897,762.5318 E 1,163,342.5850
 C.C. N 1,896,274.4379 E 1,163,761.7418
 Back = S 81° 21' 12.02" W
 Ahead = S 74° 16' 07.94" W
 Chord Bear = S 77° 48' 39.98" W

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_abc_c3_290_r_data_exalign_30.dgn	DRAWN - DMS	REVISED -			290	(2828B,D, ETC., 3031,1RS-6	COOK	185	45		
USER NAME = tble-k	CHECKED - CAR	REVISED -			CONTRACT NO. 60G53						
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 30 OF 33 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

RAMP E_RACINE_A

Curve Data

Curve E RACINE A-1
 P.I. Station 0+62.43 N 1,898,220.2395 E 1,166,277.1759
 Delta = 3° 15' 24.42" (LT)
 Degree = 2° 36' 32.75"
 Tangent = 62.4289
 Length = 124.8241
 Radius = 2,196.0000
 External = 0.8872
 Long Chord = 124.8073
 Mid. Ord. = 0.8868
 P.C. Station 0+00.00 N 1,898,226.8425 E 1,166,215.0972
 P.T. Station 1+24.82 N 1,898,217.1739 E 1,166,339.5295
 C.C. N 1,900,410.5247 E 1,166,447.3637
 Back = S 83° 55' 42.91" E
 Ahead = S 87° 11' 07.33" E
 Chord Bear = S 85° 33' 25.12" E

Course from PT E RACINE A-1 to 1901 S 87° 11' 07.33" E Dist 491.5305

Point 1901 N 1,898,193.0374 E 1,166,830.4670 Sta 6+16.35

Course from 1901 to PC E RACINE A-2 N 88° 14' 09.96" E Dist 588.5830

Curve Data

Curve E RACINE A-2
 P.I. Station 12+40.14 N 1,898,212.2381 E 1,167,453.9542
 Delta = 3° 12' 10.73" (LT)
 Degree = 4° 33' 03.23"
 Tangent = 35.1998
 Length = 70.3813
 Radius = 1,259.0000
 External = 0.4920
 Long Chord = 70.3722
 Mid. Ord. = 0.4918
 P.C. Station 12+04.94 N 1,898,211.1546 E 1,167,418.7711
 P.T. Station 12+75.32 N 1,898,215.2857 E 1,167,489.0219
 C.C. N 1,899,469.5580 E 1,167,380.0178
 Back = N 88° 14' 09.96" E
 Ahead = N 85° 01' 59.23" E
 Chord Bear = N 86° 38' 04.60" E

Course from PT E RACINE A-2 to 1902 N 85° 01' 59.23" E Dist 448.5273

Point 1902 N 1,898,254.1191 E 1,167,935.8649 Sta 17+23.85

Course from 1902 to PC E RACINE A-3 N 84° 04' 51.55" E Dist 246.8952

Curve Data

Curve E RACINE A-3
 P.I. Station 19+76.85 N 1,898,280.2094 E 1,168,187.5185
 Delta = 4° 29' 02.00" (LT)
 Degree = 36° 43' 41.03"
 Tangent = 6.1073
 Length = 12.2083
 Radius = 156.0000
 External = 0.1195
 Long Chord = 12.2052
 Mid. Ord. = 0.1194
 P.C. Station 19+70.74 N 1,898,279.5796 E 1,168,181.4437
 P.T. Station 19+82.95 N 1,898,281.3122 E 1,168,193.5254
 C.C. N 1,898,434.7479 E 1,168,165.3566
 Back = N 84° 04' 51.55" E
 Ahead = N 79° 35' 49.55" E
 Chord Bear = N 81° 50' 20.55" E

RAMP E_RACINE_B

Point 1910 N 1,897,897.0882 E 1,167,798.2247 Sta 0+00.00
 Course from 1910 to 1911 N 87° 01' 35.58" W Dist 385.9653
 Point 1911 N 1,897,917.1095 E 1,167,412.7791 Sta 3+85.97
 Course from 1911 to 1912 N 88° 23' 24.14" W Dist 244.5948
 Point 1912 N 1,897,923.9815 E 1,167,168.2808 Sta 6+30.56
 Course from 1912 to 1913 N 88° 02' 14.73" W Dist 97.3547
 Point 1913 N 1,897,927.3155 E 1,167,070.9832 Sta 7+27.91
 Course from 1913 to 1914 S 88° 15' 24.23" W Dist 287.9180
 Point 1914 N 1,897,918.5567 E 1,166,783.1985 Sta 10+15.83
 Course from 1914 to 1915 S 84° 22' 03.26" W Dist 336.2855
 Point 1915 N 1,897,885.5516 E 1,166,448.5366 Sta 13+52.12
 Course from 1915 to PC E RACINE B-1 S 84° 06' 13.00" W Dist 274.1533

Curve Data

Curve E RACINE B-1
 P.I. Station 16+71.73 N 1,897,852.7174 E 1,166,130.6110
 Delta = 10° 12' 29.18" (LT)
 Degree = 11° 15' 23.54"
 Tangent = 45.4633
 Length = 90.6860
 Radius = 509.0000
 External = 2.0263
 Long Chord = 90.5661
 Mid. Ord. = 2.0183
 P.C. Station 16+26.27 N 1,897,857.3879 E 1,166,175.8338
 P.T. Station 17+16.96 N 1,897,840.1064 E 1,166,086.9317
 C.C. N 1,897,351.0809 E 1,166,228.1233
 Back = S 84° 06' 13.00" W
 Ahead = S 73° 53' 43.82" W
 Chord Bear = S 78° 59' 58.41" W

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\in_ABC\C3\210_R_Data\exal:gn-31.rgn	DRAWN - DMS	REVISED -				290	(2828B,D, ETC., 3031,1)RS-6	COOK	185	46
USER NAME = tblank	CHECKED - CAR	REVISED -				CONTRACT NO. 60C53				
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
					SCALE: N.T.S.	SHEET NO. 31 OF 33 SHEETS		STA. TO STA.		

RAMP E_KNNDY_A

Point 1920 N 1,898,099.1611 E 1,169,866.9082 Sta 0+00.00
 Course from 1920 to 1921 S 89° 00' 31.76" E Dist 70.0004
 Point 1921 N 1,898,097.9502 E 1,169,936.8981 Sta 0+70.00
 Course from 1921 to 1922 S 89° 58' 56.02" E Dist 152.2231
 Point 1922 N 1,898,097.9030 E 1,170,089.1212 Sta 2+22.22
 Course from 1922 to 1923 S 88° 58' 37.09" E Dist 94.4044
 Point 1923 N 1,898,096.2175 E 1,170,183.5106 Sta 3+16.63
 Course from 1923 to PC E KNNDY A-1 S 84° 06' 39.53" E Dist 188.8032

Curve Data

Curve E KNNDY A-1
 P.I. Station = 5+49.38 N 1,898,072.3362 E 1,170,415.0391
 Delta = 5° 02' 55.01" (LT)
 Degree = 5° 44' 48.55"
 Tangent = 43.9537
 Length = 87.8506
 Radius = 997.0000
 External = 0.9684
 Long Chord = 87.8222
 Mid. Ord. = 0.9675
 P.C. Station = 5+05.43 N 1,898,076.8459 E 1,170,371.3174
 P.T. Station = 5+93.28 N 1,898,071.6915 E 1,170,458.9882
 C.C. = N 1,899,068.5843 E 1,170,473.6114
 Back = S 84° 06' 39.53" E
 Ahead = S 89° 09' 34.55" E
 Chord Bear = S 86° 38' 07.04" E

Course from PT E KNNDY A-1 to 1924 N 88° 18' 25.18" E Dist 51.5258

Point 1924 N 1,898,073.2138 E 1,170,510.4915 Sta 6+44.81

Course from 1924 to 1925 N 85° 19' 21.77" E Dist 168.4662

Point 1925 N 1,898,086.9511 E 1,170,678.3966 Sta 8+13.27

Course from 1925 to PC E KNNDY A-2 N 86° 59' 34.92" E Dist 89.7205

Curve Data

Curve E KNNDY A-2
 P.I. Station = 10+16.89 N 1,898,097.6321 E 1,170,881.7293
 Delta = 13° 33' 34.72" (LT)
 Degree = 5° 58' 50.77"
 Tangent = 113.8924
 Length = 226.7207
 Radius = 958.0000
 External = 6.7463
 Long Chord = 226.1920
 Mid. Ord. = 6.6992
 P.C. Station = 9+02.99 N 1,898,091.6576 E 1,170,767.9936
 P.T. Station = 11+29.71 N 1,898,130.1062 E 1,170,990.8939
 C.C. = N 1,899,048.3386 E 1,170,717.7395
 Back = N 86° 59' 34.92" E
 Ahead = N 73° 26' 00.20" E
 Chord Bear = N 80° 12' 47.56" E

RAMP E_KNNDY_A

Curve Data

Curve E KNNDY A-3
 P.I. Station = 11+73.95 N 1,898,142.7183 E 1,171,033.2905
 Delta = 18° 36' 27.64" (LT)
 Degree = 21° 13' 14.37"
 Tangent = 44.2328
 Length = 87.6866
 Radius = 270.0000
 External = 3.5992
 Long Chord = 87.3018
 Mid. Ord. = 3.5519
 P.C. Station = 11+29.71 N 1,898,130.1062 E 1,170,990.8939
 P.T. Station = 12+17.40 N 1,898,168.1993 E 1,171,069.4465
 C.C. = N 1,898,388.8982 E 1,170,913.9088
 Back = N 73° 26' 00.20" E
 Ahead = N 54° 49' 32.56" E
 Chord Bear = N 64° 07' 46.38" E

Course from PT E KNNDY A-3 to PC E KNNDY A-4 N 54° 49' 32.56" E Dist 55.0652

Curve Data

Curve E KNNDY A-4
 P.I. Station = 13+32.70 N 1,898,234.6214 E 1,171,163.6957
 Delta = 11° 15' 39.84" (LT)
 Degree = 9° 22' 38.56"
 Tangent = 60.2378
 Length = 120.0876
 Radius = 611.0000
 External = 2.9622
 Long Chord = 119.8944
 Mid. Ord. = 2.9479
 P.C. Station = 12+72.47 N 1,898,199.9205 E 1,171,114.4570
 P.T. Station = 13+92.55 N 1,898,278.2696 E 1,171,205.2099
 C.C. = N 1,898,699.3540 E 1,170,762.4810
 Back = N 54° 49' 32.56" E
 Ahead = N 43° 33' 52.71" E
 Chord Bear = N 49° 11' 42.64" E

Course from PT E KNNDY A-4 to PC E KNNDY A-5 N 43° 33' 52.71" E Dist 94.3522

Curve Data

Curve E KNNDY A-5
 P.I. Station = 15+47.38 N 1,898,390.4589 E 1,171,311.9144
 Delta = 17° 16' 49.70" (LT)
 Degree = 14° 23' 45.33"
 Tangent = 60.4778
 Length = 120.0373
 Radius = 398.0000
 External = 4.5687
 Long Chord = 119.5828
 Mid. Ord. = 4.5169
 P.C. Station = 14+86.91 N 1,898,346.6369 E 1,171,270.2348
 P.T. Station = 16+06.94 N 1,898,444.6838 E 1,171,338.6954
 C.C. = N 1,898,620.9276 E 1,170,981.8451
 Back = N 43° 33' 52.71" E
 Ahead = N 26° 17' 03.01" E
 Chord Bear = N 34° 55' 27.86" E

RAMP E_KNNDY_A

Curve Data

Curve E KNNDY A-6
 P.I. Station = 16+41.67 N 1,898,475.8181 E 1,171,354.0722
 Delta = 2° 20' 35.14" (LT)
 Degree = 3° 22' 27.52"
 Tangent = 34.7245
 Length = 69.4392
 Radius = 1,698.0000
 External = 0.3550
 Long Chord = 69.4344
 Mid. Ord. = 0.3549
 P.C. Station = 16+06.94 N 1,898,444.6838 E 1,171,338.6954
 P.T. Station = 16+76.38 N 1,898,507.5550 E 1,171,368.1633
 C.C. = N 1,899,196.5981 E 1,169,816.2537
 Back = N 26° 17' 03.01" E
 Ahead = N 23° 56' 27.87" E
 Chord Bear = N 25° 06' 45.44" E

Curve Data

Curve E KNNDY A-7
 P.I. Station = 18+03.29 N 1,898,623.5407 E 1,171,419.6606
 Delta = 26° 32' 41.24" (LT)
 Degree = 10° 38' 59.18"
 Tangent = 126.9041
 Length = 249.2521
 Radius = 538.0000
 External = 14.7646
 Long Chord = 247.0290
 Mid. Ord. = 14.3702
 P.C. Station = 16+76.38 N 1,898,507.5550 E 1,171,368.1633
 P.T. Station = 19+25.64 N 1,898,750.3138 E 1,171,413.8956
 C.C. = N 1,898,725.8737 E 1,170,876.4511
 Back = N 23° 56' 27.87" E
 Ahead = N 2° 36' 13.37" W
 Chord Bear = N 10° 40' 07.25" E

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_abc_c3_290_r_data_exalign_32.dgn	DRAWN - DMS	REVISED -				290	2828B,D, ETC., 3031.IRS-6	COOK	185	47
USER NAME = tblank	CHECKED - CAR	REVISED -				CONTRACT NO. 60G53				
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
						SCALE: N.T.S.	SHEET NO. 32 OF 33 SHEETS	STA.	TO STA.	

RAMP E_KNNDY_B

Curve Data

Curve E KNNDY B-1
 P.I. Station = 1+00.69 N 1,897,862.0591 E 1,170,616.9583
 Delta = 4° 53' 28.82" (RT)
 Degree = 2° 25' 49.39"
 Tangent = 100.6900
 Length = 201.2576
 Radius = 2,357.4761
 External = 2.1493
 Long Chord = 201.1965
 Mid. Ord. = 2.1473
 P.C. Station = 0+00.00 N 1,897,865.8935 E 1,170,516.3414
 P.T. Station = 2+01.26 N 1,897,849.6595 E 1,170,716.8819
 C.C. = N 1,895,510.1273 E 1,170,426.5671
 Back = S 87° 49' 03.40" E
 Ahead = S 82° 55' 34.58" E
 Chord Bear = S 85° 22' 18.99" E

Curve Data

Curve E KNNDY B-2
 P.I. Station = 3+31.61 N 1,897,833.6073 E 1,170,846.2400
 Delta = 0° 57' 49.17" (LT)
 Degree = 0° 22' 10.74"
 Tangent = 130.3502
 Length = 260.6943
 Radius = 15,500.0000
 External = 0.5481
 Long Chord = 260.6913
 Mid. Ord. = 0.5481
 P.C. Station = 2+01.26 N 1,897,849.6595 E 1,170,716.8819
 P.T. Station = 4+61.95 N 1,897,819.7330 E 1,170,975.8497
 C.C. = N 1,913,231.6814 E 1,172,625.6517
 Back = S 82° 55' 34.58" E
 Ahead = S 83° 53' 23.75" E
 Chord Bear = S 83° 24' 29.16" E

Curve Data

Curve E KNNDY B-3
 P.I. Station = 5+08.39 N 1,897,814.7907 E 1,171,022.0192
 Delta = 8° 04' 22.92" (RT)
 Degree = 8° 42' 27.23"
 Tangent = 46.4333
 Length = 92.7129
 Radius = 658.0000
 External = 1.6363
 Long Chord = 92.6362
 Mid. Ord. = 1.6322
 P.C. Station = 4+61.95 N 1,897,819.7330 E 1,170,975.8497
 P.T. Station = 5+54.66 N 1,897,803.4136 E 1,171,067.0371
 C.C. = N 1,897,165.4709 E 1,170,905.8130
 Back = S 83° 53' 23.75" E
 Ahead = S 75° 49' 00.83" E
 Chord Bear = S 79° 51' 12.29" E

Course from PT E KNNDY B-3 to PC E KNNDY B-4 S 75° 49' 00.83" E Dist 90.0149

RAMP E_KNNDY_B

Curve Data

Curve E KNNDY B-4
 P.I. Station = 7+08.60 N 1,897,765.6951 E 1,171,216.2842
 Delta = 32° 41' 08.55" (RT)
 Degree = 26° 16' 56.88"
 Tangent = 63.9247
 Length = 124.3632
 Radius = 218.0000
 External = 9.1792
 Long Chord = 122.6836
 Mid. Ord. = 8.8083
 P.C. Station = 6+44.68 N 1,897,781.3580 E 1,171,154.3081
 P.T. Station = 7+69.04 N 1,897,719.0434 E 1,171,259.9877
 C.C. = N 1,897,570.0031 E 1,171,100.8934
 Back = S 75° 49' 00.83" E
 Ahead = S 43° 07' 52.28" E
 Chord Bear = S 59° 28' 26.55" E

Course from PT E KNNDY B-4 to PC E KNNDY B-5 S 43° 00' 58.70" E Dist 76.5158

Curve Data

Curve E KNNDY B-5
 P.I. Station = 9+14.56 N 1,897,612.6485 E 1,171,359.2592
 Delta = 16° 21' 37.26" (RT)
 Degree = 11° 56' 11.83"
 Tangent = 68.9995
 Length = 137.0602
 Radius = 480.0000
 External = 4.9339
 Long Chord = 136.5950
 Mid. Ord. = 4.8837
 P.C. Station = 8+45.56 N 1,897,663.0982 E 1,171,312.1873
 P.T. Station = 9+82.62 N 1,897,550.9825 E 1,171,390.2146
 C.C. = N 1,897,335.6390 E 1,170,961.2307
 Back = S 43° 00' 58.70" E
 Ahead = S 26° 39' 21.44" E
 Chord Bear = S 34° 50' 10.07" E

Course from PT E KNNDY B-5 to PC E KNNDY B-6 S 26° 39' 21.44" E Dist 16.0573

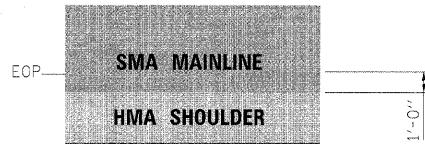
Curve Data

Curve E KNNDY B-6
 P.I. Station = 11+04.82 N 1,897,441.7726 E 1,171,445.0363
 Delta = 19° 42' 34.71" (RT)
 Degree = 9° 22' 38.56"
 Tangent = 106.1402
 Length = 210.1829
 Radius = 611.0000
 External = 9.1506
 Long Chord = 209.1481
 Mid. Ord. = 9.0156
 P.C. Station = 9+98.68 N 1,897,536.6318 E 1,171,397.4184
 P.T. Station = 12+08.86 N 1,897,336.4115 E 1,171,457.8729
 C.C. = N 1,897,262.5176 E 1,170,851.3577
 Back = S 26° 39' 21.44" E
 Ahead = S 6° 56' 46.73" E
 Chord Bear = S 16° 48' 04.09" E

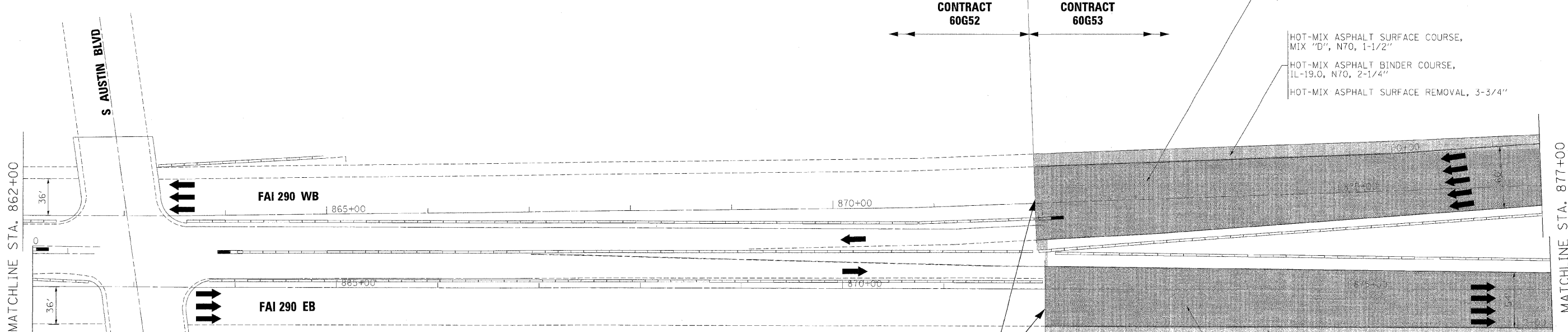
Course from PT E KNNDY B-6 to 1931 S 6° 56' 46.73" E Dist 291.3369

Point 1931 N 1,897,047.2130 E 1,171,493.1069 Sta 15+00.20

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_abc_c3_290_r_data_exalign_33.dgn	DRAWN - DMS	REVISED -					290	(2828B,D, ETC., 3031,1RS-6	COOK	185	48
USER NAME = tblank	CHECKED - CAR	REVISED -					CONTRACT NO. 60G53				
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -					SCALE: N.T.S.	SHEET NO. 33 OF 33 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.



NOTE:
 MAINLINE PAVING TO
 EXTEND 1' ONTO HMA
 SHOULDERS. SEE TYPICAL
 SECTIONS.



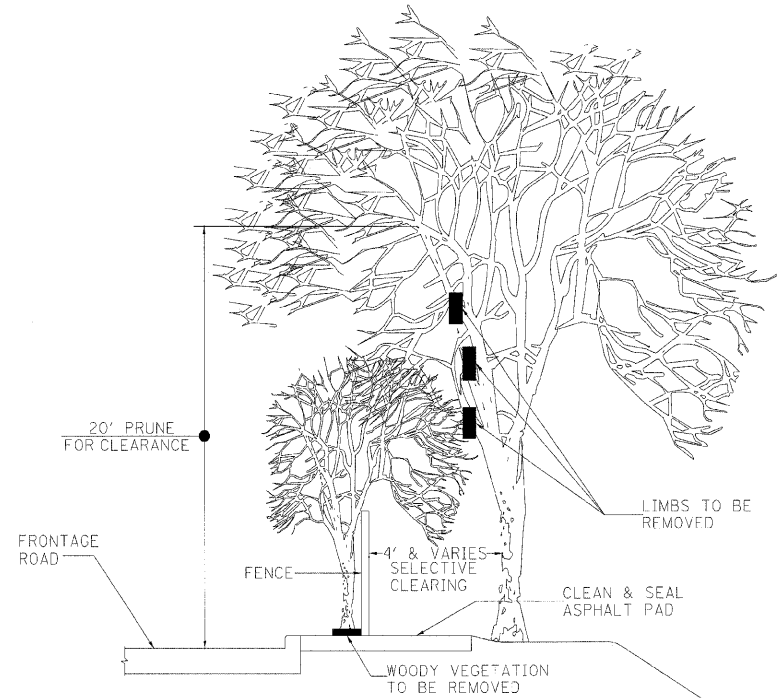
BEGIN IMPROVEMENTS
 STA. WB 872+00
 STA. EB 872+00

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"



**TREE MAINTENANCE & OFF-ROAD
 PRESERVATION & REPAIR DETAIL**

- NOTES:**
1. THE NATIONAL ARBORIST ASSOCIATION'S PRUNING STANDARDS FOR SHADE TREES CLASS II - STANDARD PRUNING SPECIFICATIONS SHALL BE FOLLOWED.
 2. ALL TREES AND SHRUBS OR OTHER WOODY VEGETATION GROWING IN THE FENCE LINE AND ON THE FRONTAGE ROAD SIDE OF THE FENCE SHALL BE CUT FLUSH WITH THE GROUND AND THE STUMPS TREATED WITH A HERBICIDE TO PREVENT RESPROUTING.

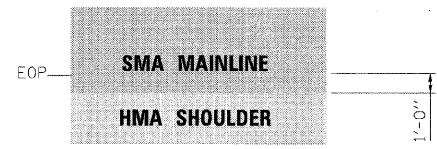
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USER NAME = tblank	CHECKED - CAR	REVISED -
PLOT DATE = 12/16/2009	DATE - 10/16/09	REVISED -

benesch

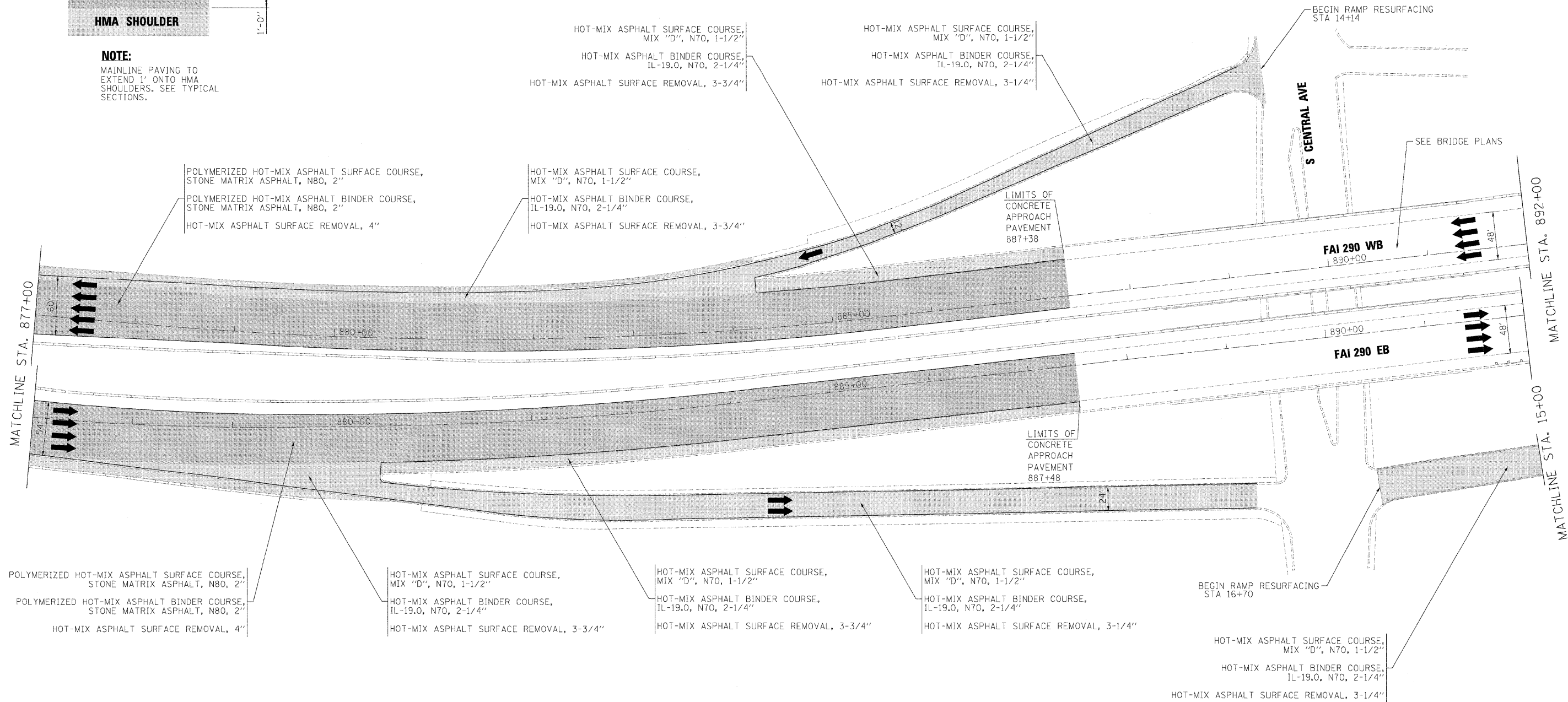
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN	
STA 862+00 TO STA 877+00	
SCALE: 1"=50'	SHEET NO. 1 OF 24 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	49
CONTRACT NO. 60G53			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



NOTE:
 MAINLINE PAVING TO
 EXTEND 1' ONTO HMA
 SHOULDERS. SEE TYPICAL
 SECTIONS.



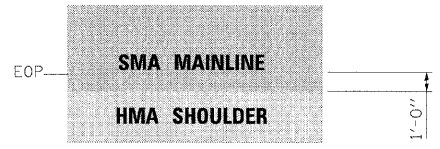
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DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 STA 877+00 TO STA 892+00**
 SCALE: 1"=50' SHEET NO. 2 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B,D, ETC., 3031.IRS-6		COOK	185	50
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	

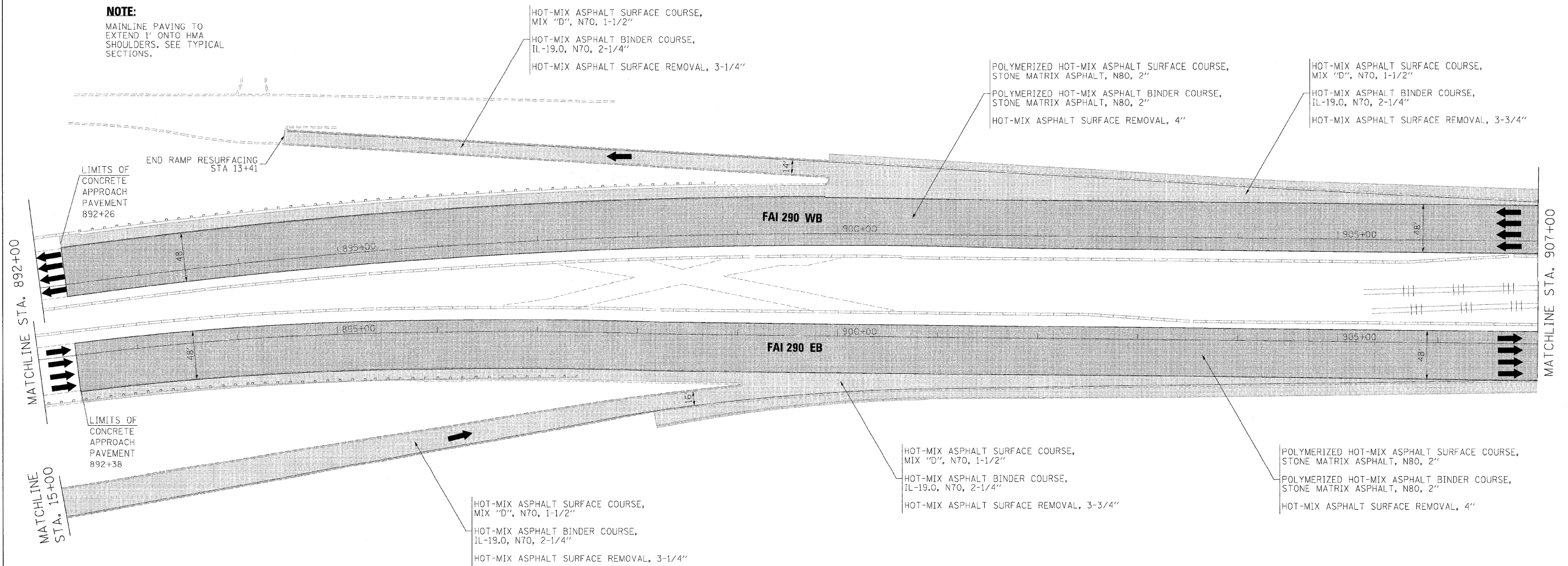


NOTE:
 MAINLINE PAVING TO
 EXTEND 1' ONTO HMA
 SHOULDERS. SEE TYPICAL
 SECTIONS.

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"



END RAMP RESURFACING
 STA 13+41

LIMITS OF
 CONCRETE
 APPROACH
 PAVEMENT
 892+26

FAI 290 WB

FAI 290 EB

LIMITS OF
 CONCRETE
 APPROACH
 PAVEMENT
 892+38

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

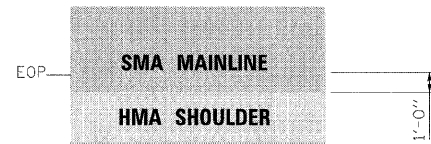
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PLDT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

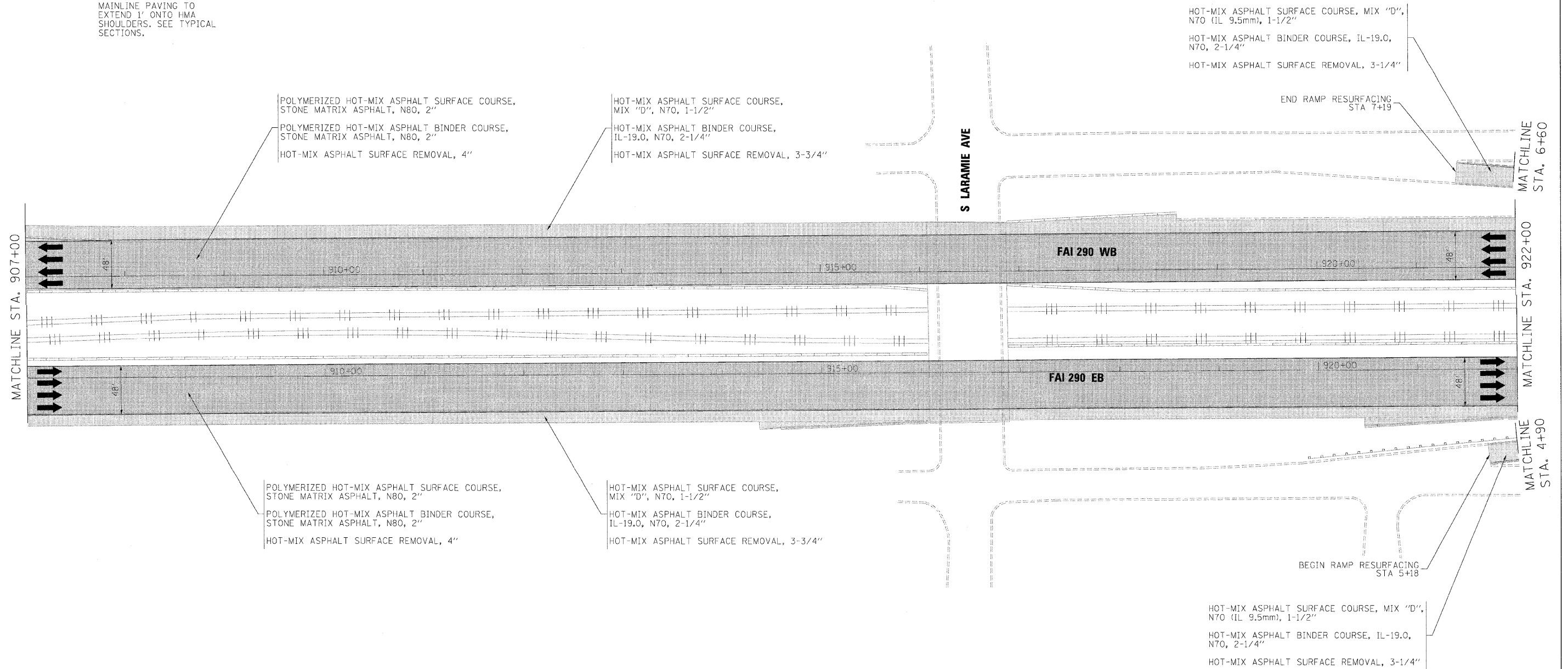
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 STA 892+00 TO STA 907+00**
 SCALE: 1"=50' SHEET NO. 3 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.IRS-6	COOK	185	51
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	



NOTE:
MAINLINE PAVING TO
EXTEND 1' ONTO HMA
SHOULDERS. SEE TYPICAL
SECTIONS.



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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

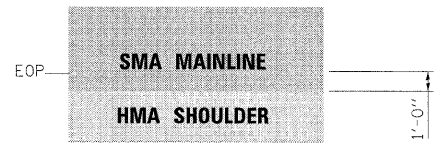
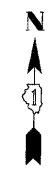
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

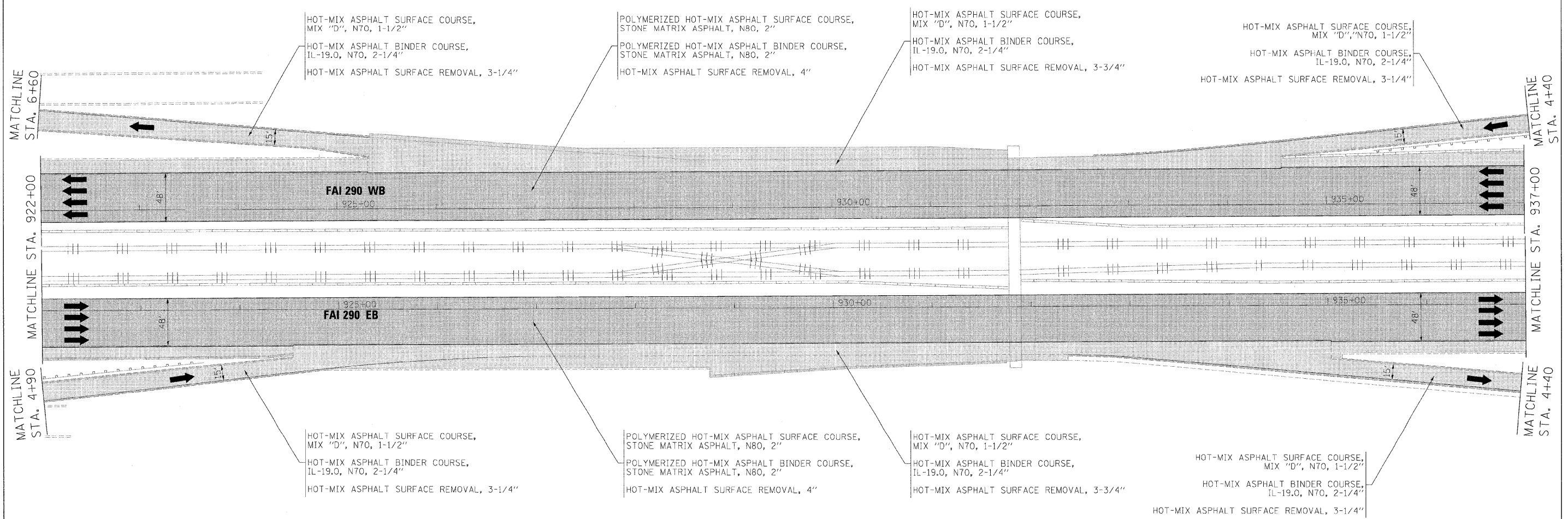
**ROADWAY PLAN
STA 907+00 TO STA 922+00**

SCALE: 1"=50' SHEET NO. 4 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	52
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60653	



NOTE:
 MAINLINE PAVING TO
 EXTEND 1' ONTO HMA
 SHOULDERS. SEE TYPICAL
 SECTIONS.



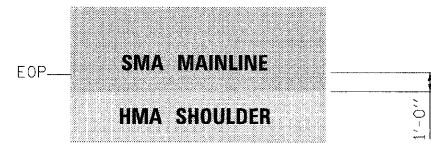
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

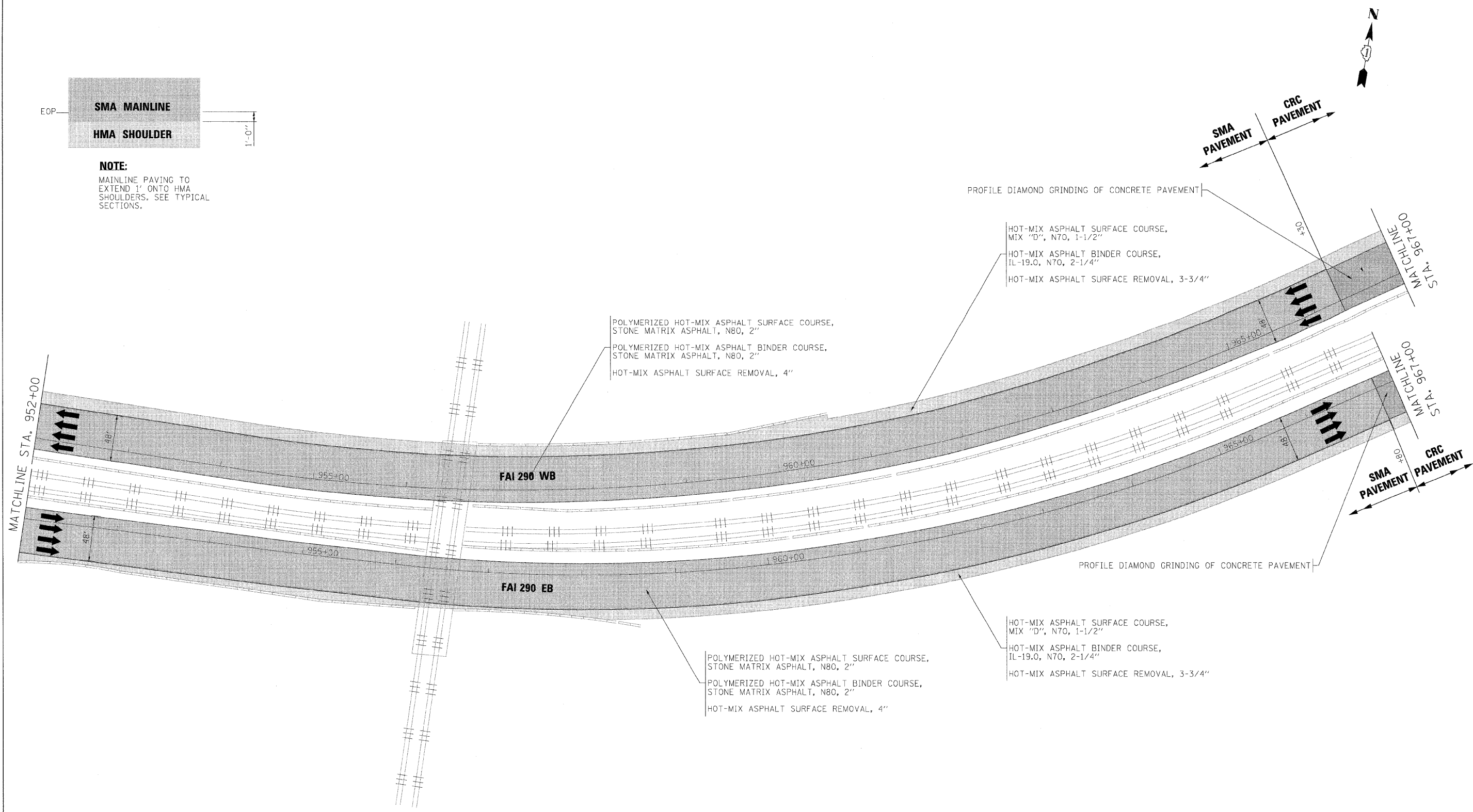
**ROADWAY PLAN
 STA 922+00 TO STA 937+00**
 SCALE: 1"=50' SHEET NO. 5 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2828B,D, ETC., 3031.IRS-6	COOK	185	53
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	



NOTE:

MAINLINE PAVING TO EXTEND 1' ONTO HMA SHOULDERS. SEE TYPICAL SECTIONS.



PROFILE DIAMOND GRINDING OF CONCRETE PAVEMENT

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

FILE NAME =	DESIGNED - CAC	REVISED -
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

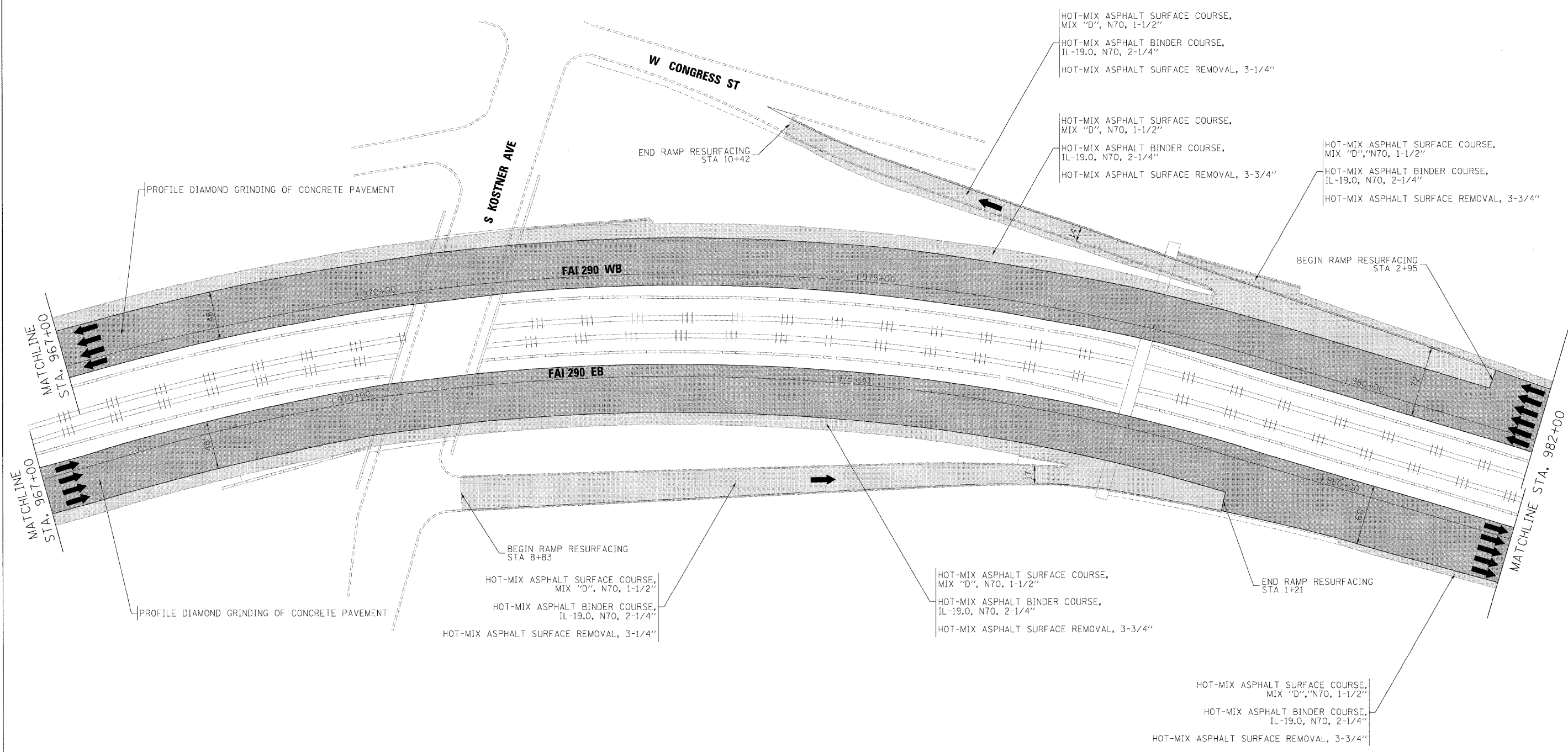


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
STA 952+00 TO STA 967+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	55
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G53	

SCALE: 1"=50' SHEET NO. 7 OF 24 SHEETS STA. TO STA.



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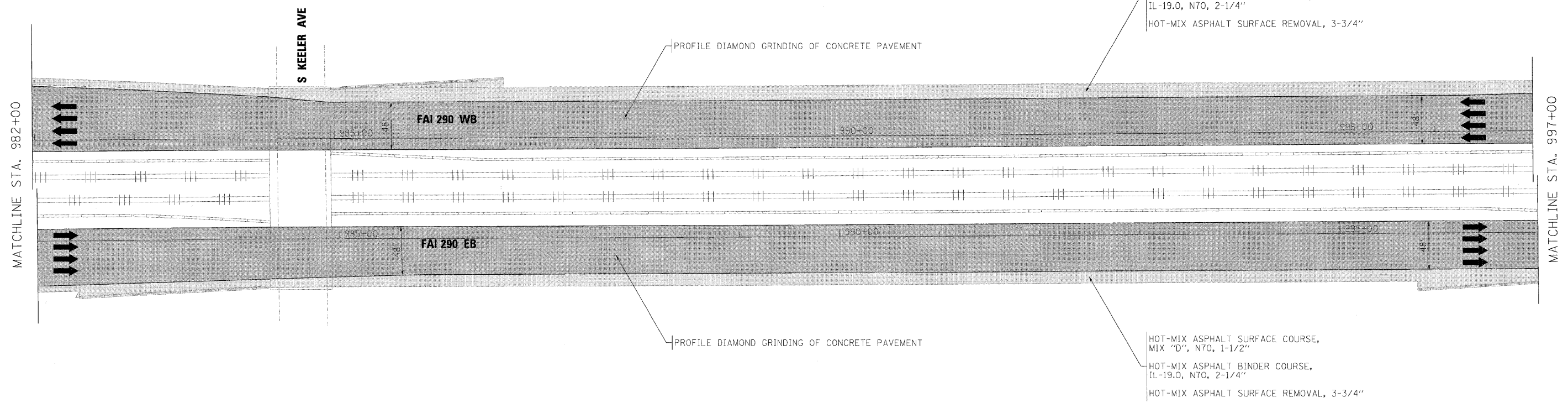
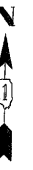
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
STA 967+00 TO STA 982+00**

SCALE: 1"=50' SHEET NO. 8 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	56
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G53	



FILE NAME =	DESIGNED - CAG	REVISED -
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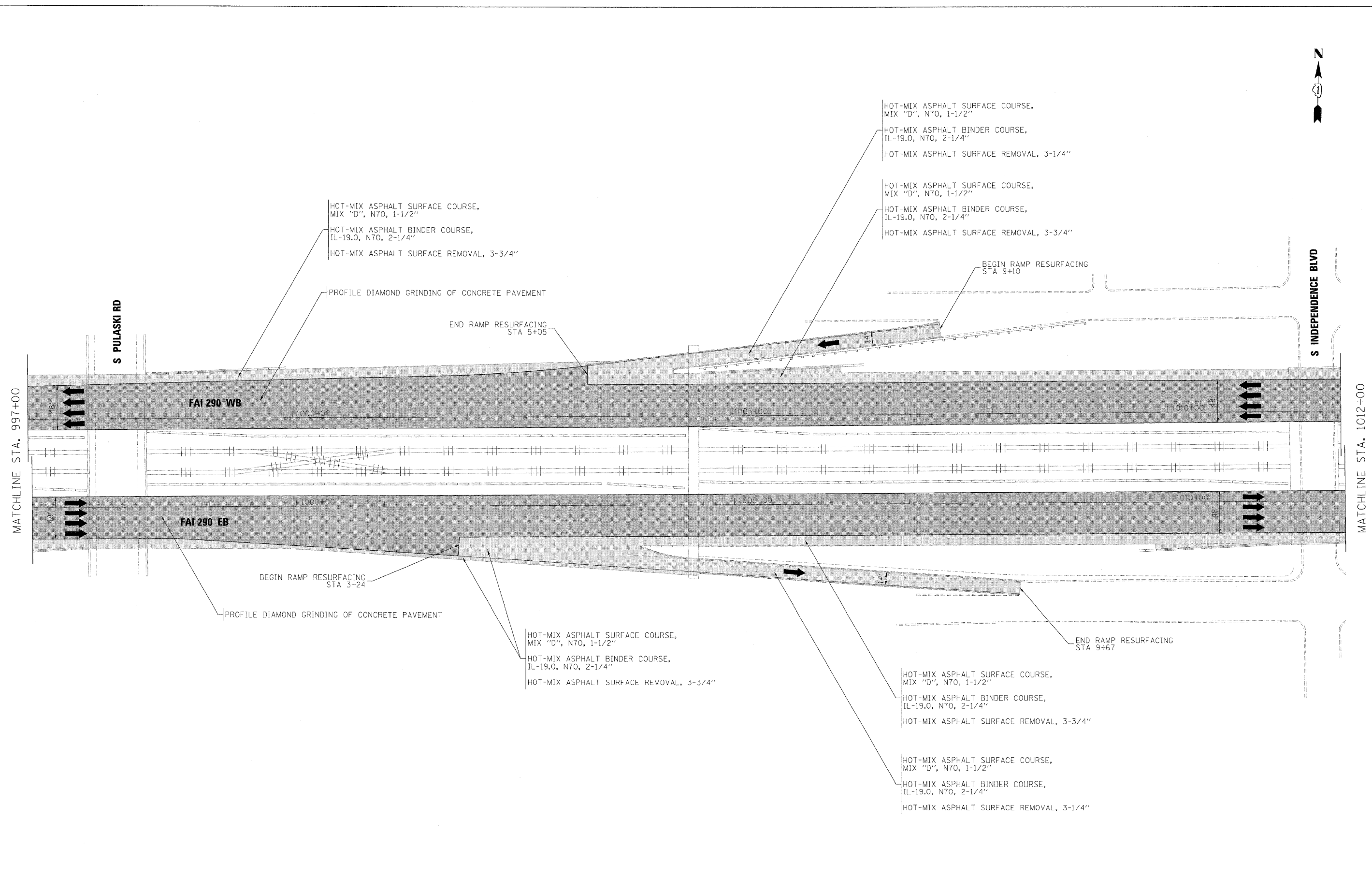
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
STA 982+00 TO STA 997+00**

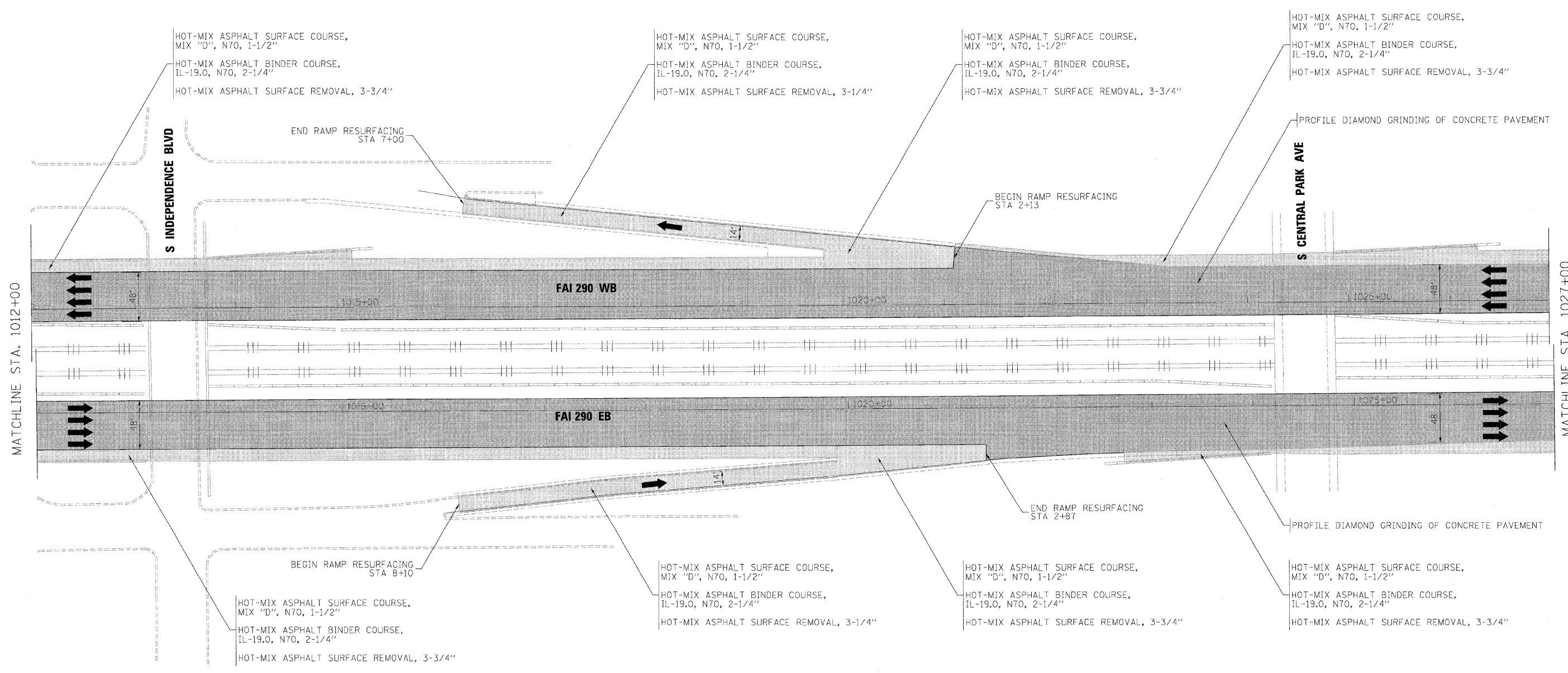
SCALE: 1"=50' SHEET NO. 9 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1)RS-6	COOK	185	57
CONTRACT NO. 60C53				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FILE NAME = ...p\p\p-48C.C3.290.plan-12.dgn	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN STA 997+00 TO STA 1012+00			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 11/13/2009	CHECKED - CAR	REVISED -			CONTRACT NO. 60653							
DATE = 10/16/09	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT										

SCALE: 1"=50' SHEET NO. 10 OF 24 SHEETS STA. TO STA.



FILE NAME =	DESIGNED - CAG	REVISED -
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USER NAME = jmajewski	CHECKED - CAR	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

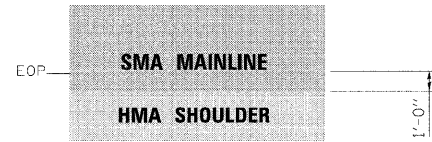
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
STA 1012+00 TO STA 1027+00**

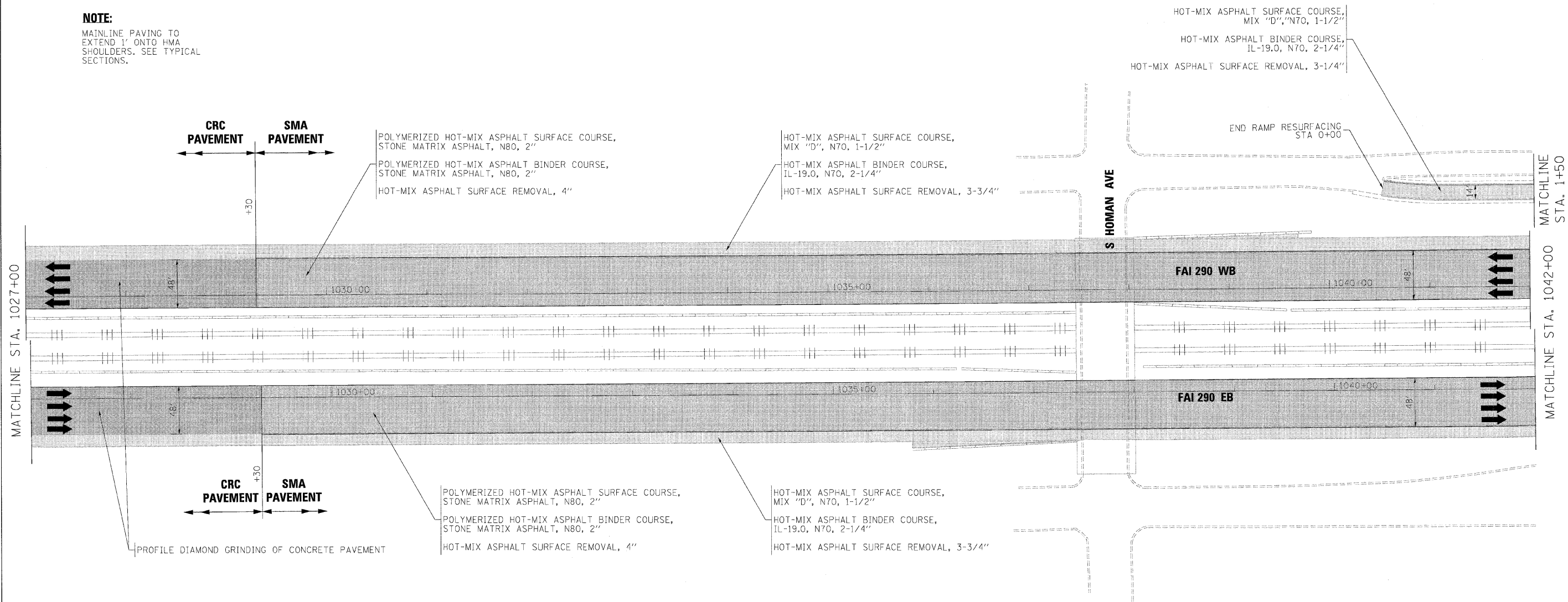
SCALE: 1"=50' SHEET NO. 11 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1RS-6)	COOK	185	59
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60053	



NOTE:

MAINLINE PAVING TO EXTEND 1' ONTO HMA SHOULDERS. SEE TYPICAL SECTIONS.



FILE NAME =	DESIGNED - CAC	REVISED -
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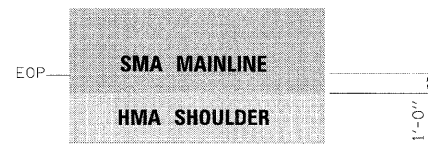
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
STA 1027+00 TO STA 1042+00**

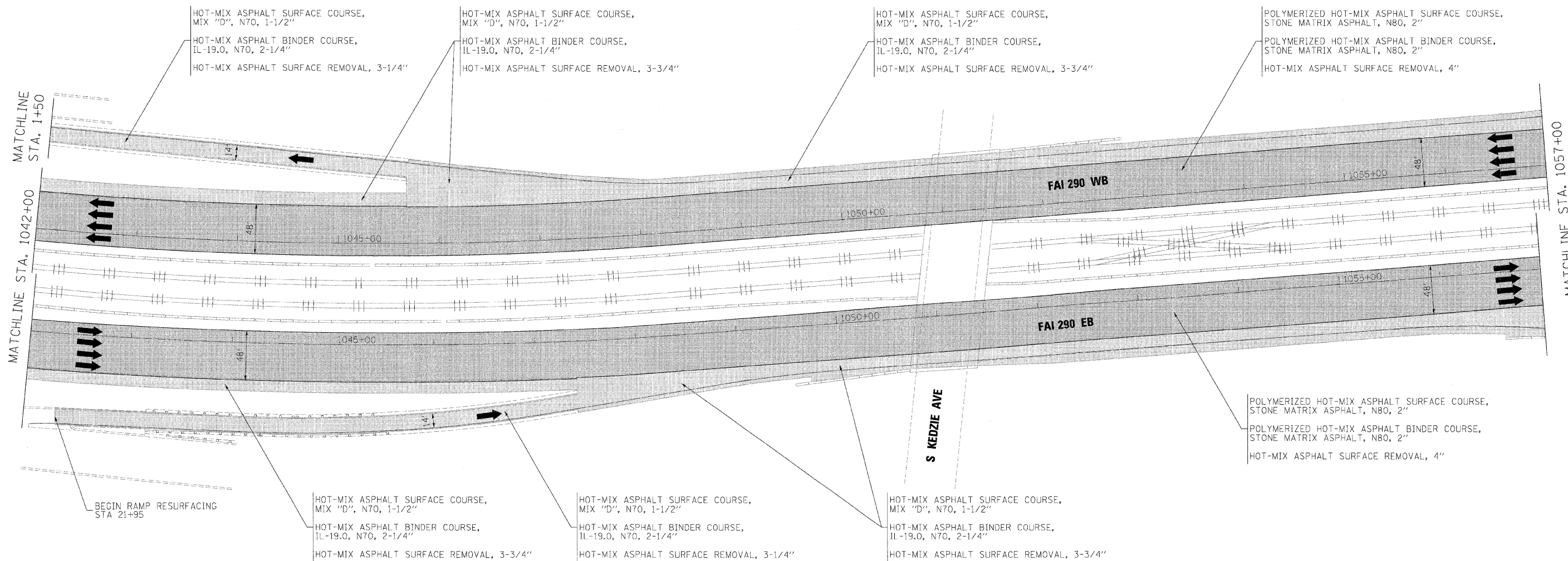
SCALE: 1"=50' SHEET NO. 12 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(282BB,D, ETC., 3031.1RS-6	COOK	185	60
CONTRACT NO. 60653				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



NOTE:

MAINLINE PAVING TO EXTEND 1' ONTO HMA SHOULDERS. SEE TYPICAL SECTIONS.



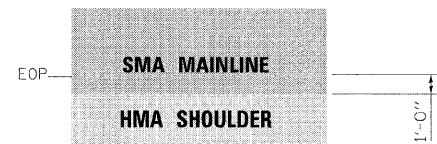
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PLUJ DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN		
STA 1042+00 TO STA 1057+00		
SCALE: 1"=50'	SHEET NO. 13 OF 24 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.)RS-6	COOK	185	61
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60653	



NOTE:
 MAINLINE PAVING TO
 EXTEND 1' ONTO HMA
 SHOULDERS. SEE TYPICAL
 SECTIONS.

HOT-MIX ASPHALT SURFACE COURSE, MIX "D",
 N70 (IL 9.5mm), 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE, IL-19.0,
 N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

END RAMP SHOULDER RESURFACING
 STA 23+15
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D",
 N70 (IL 9.5mm), 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE, IL-19.0,
 N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

MATCHLINE STA. 1057+00

MATCHLINE STA. 1072+00

S SACRAMENTO BLVD

FAI 290 WB

FAI 290 EB

END RAMP RESURFACING
 STA 0+00

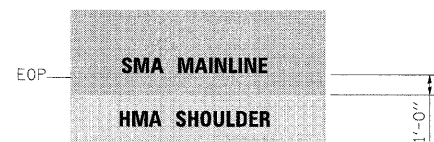
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 STA 1057+00 TO STA 1072+00**
 SCALE: 1"=50' SHEET NO. 14 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	62
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



NOTE:
 MAINLINE PAVING TO
 EXTEND 1' ONTO HMA
 SHOULDERS. SEE TYPICAL
 SECTIONS.

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

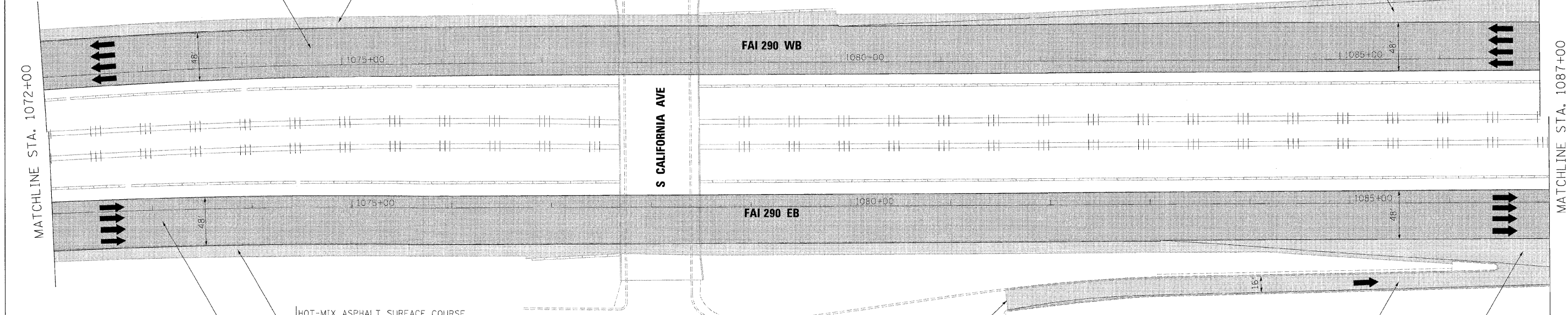
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 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"



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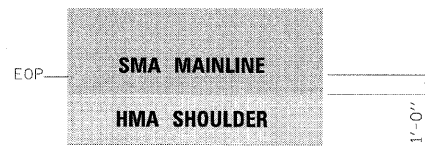
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

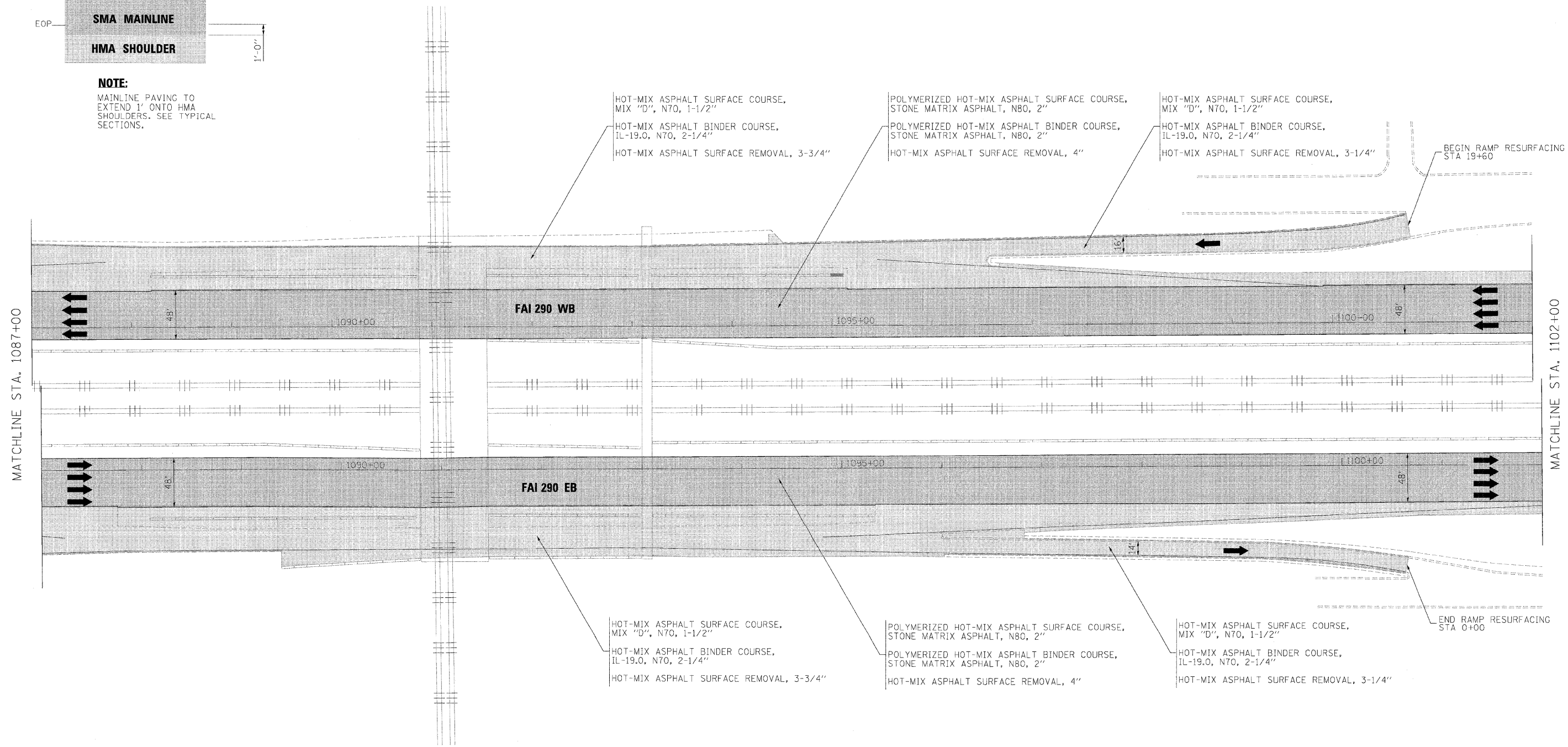
**ROADWAY PLAN
 STA 1072+00 TO STA 1087+00**

SCALE: 1"=50' SHEET NO. 15 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	63
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60653	



NOTE:
 MAINLINE PAVING TO
 EXTEND 1' ONTO HMA
 SHOULDERS. SEE TYPICAL
 SECTIONS.



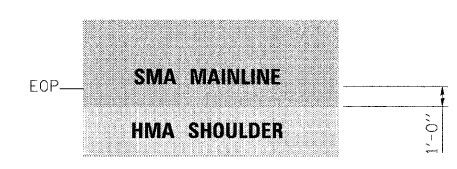
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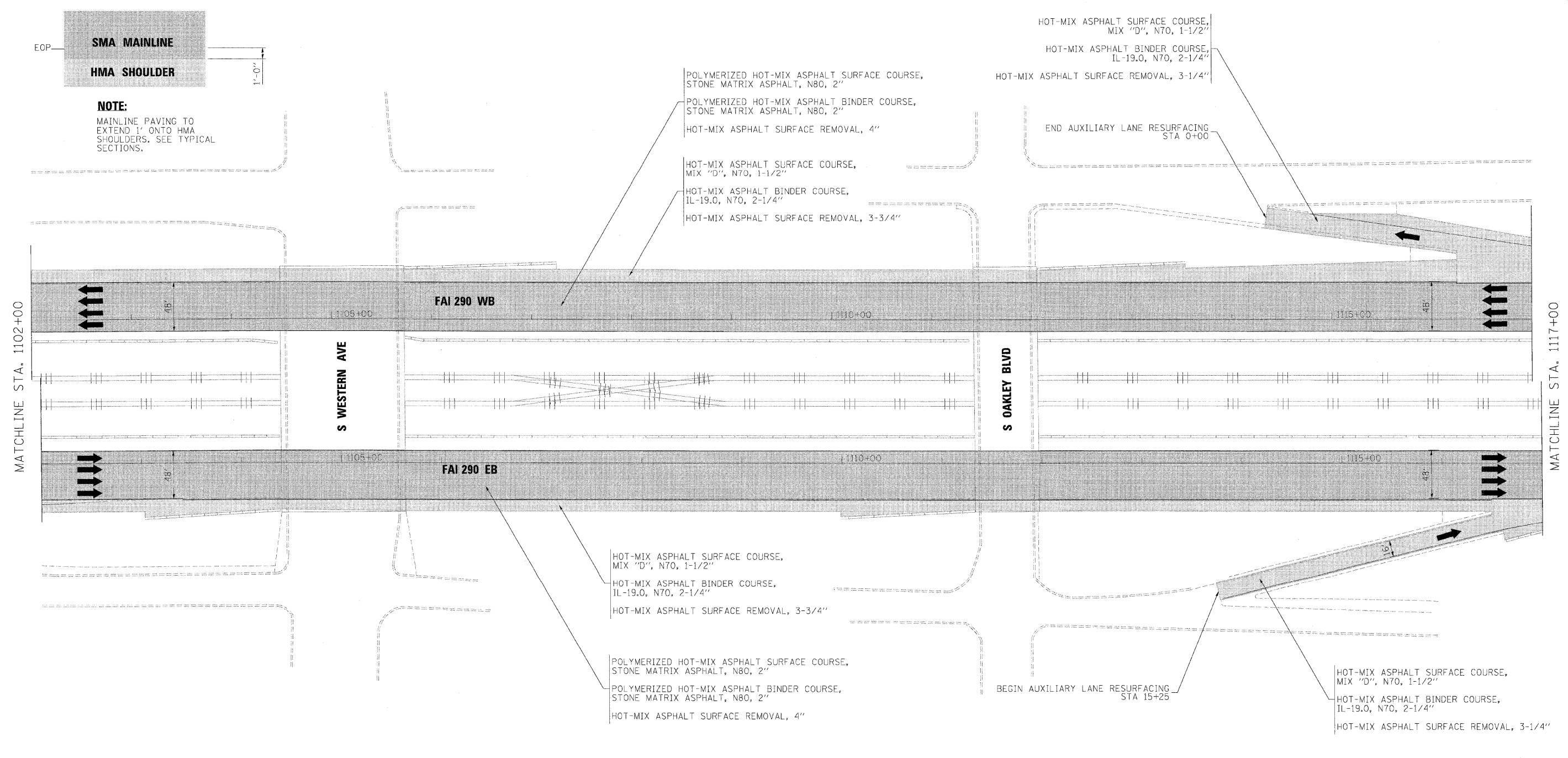
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 STA 1087+00 TO STA 1102+00**
 SCALE: 1"=50' SHEET NO. 16 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B,D, ETC., 3031.IRS-6		COOK	185	64
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



NOTE:
 MAINLINE PAVING TO
 EXTEND 1' ONTO HMA
 SHOULDERS. SEE TYPICAL
 SECTIONS.



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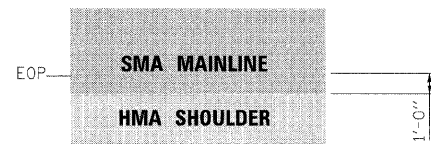
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 STA 1102+00 TO STA 1117+00**

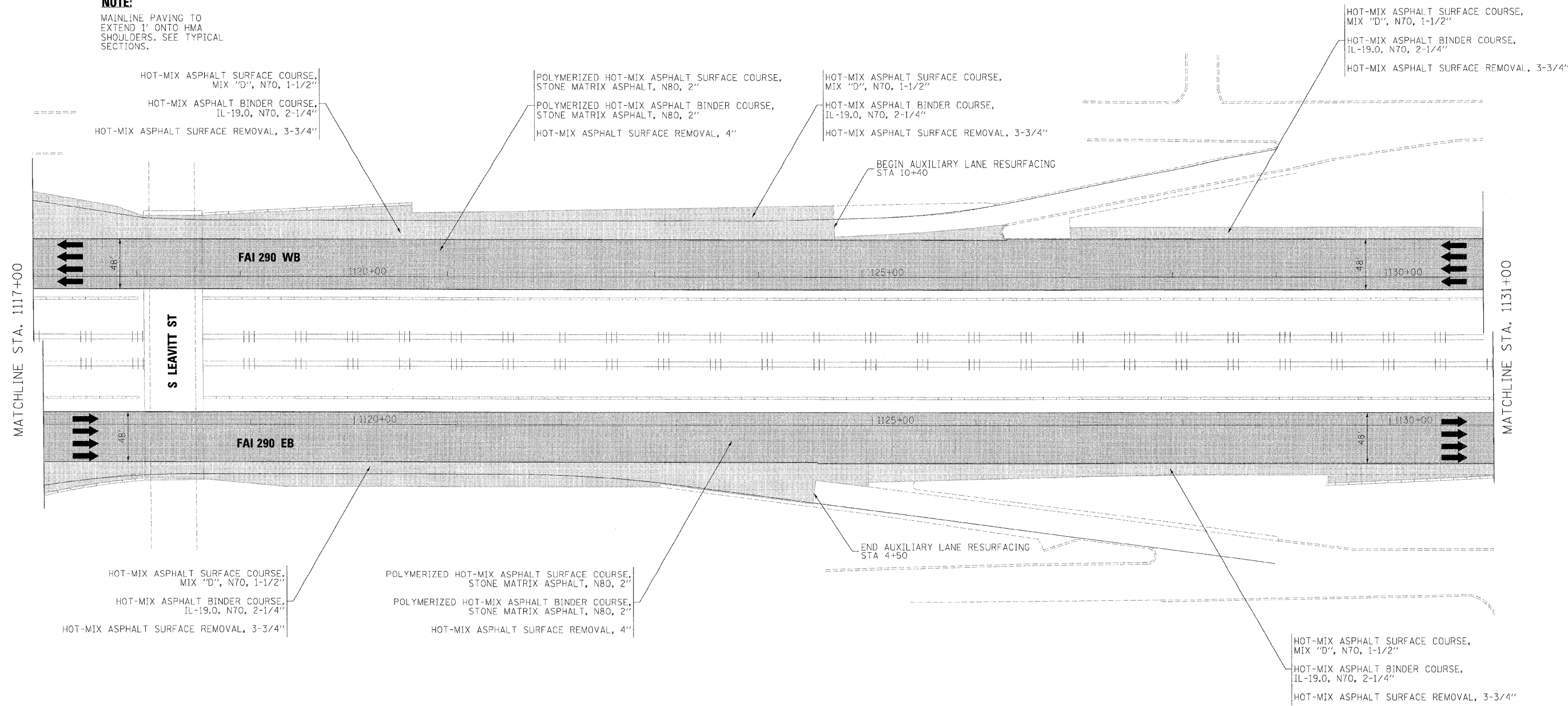
SCALE: 1"=50' SHEET NO. 17 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,IRS-6	COOK	185	65
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	



NOTE:

MAINLINE PAVING TO EXTEND 1' ONTO HMA SHOULDERS. SEE TYPICAL SECTIONS.



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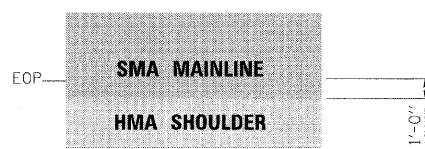
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

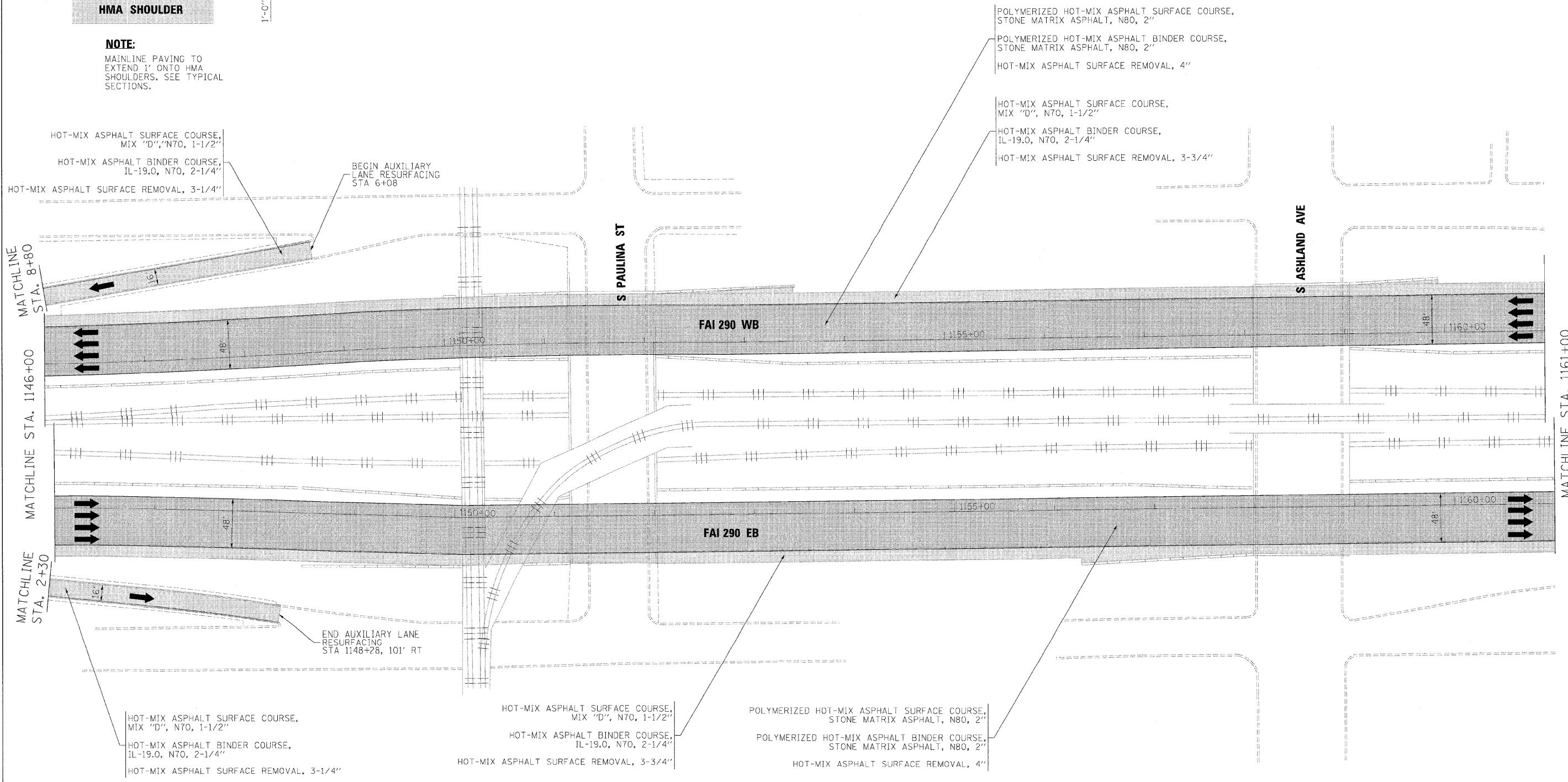
**ROADWAY PLAN
STA 1117+00 TO STA 1131+00**

SCALE: 1"=50' SHEET NO. 18 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	66
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60C53	



NOTE:
MAINLINE PAVING TO
EXTEND 1' ONTO HMA
SHOULDERS. SEE TYPICAL
SECTIONS.



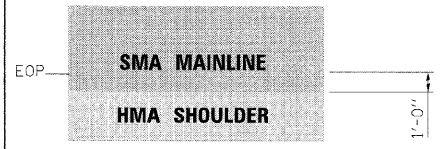
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
STA 1146+00 TO STA 1161+00			
SCALE: 1"=50'	SHEET NO. 20 OF 24 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	68
CONTRACT NO. 60653				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



NOTE:
 MAINLINE PAVING TO
 EXTEND 1' ONTO HMA
 SHOULDERS. SEE TYPICAL
 SECTIONS.

END AUXILIARY LANE RESURFACING
 STA 1162+50, 95' LT

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/4"

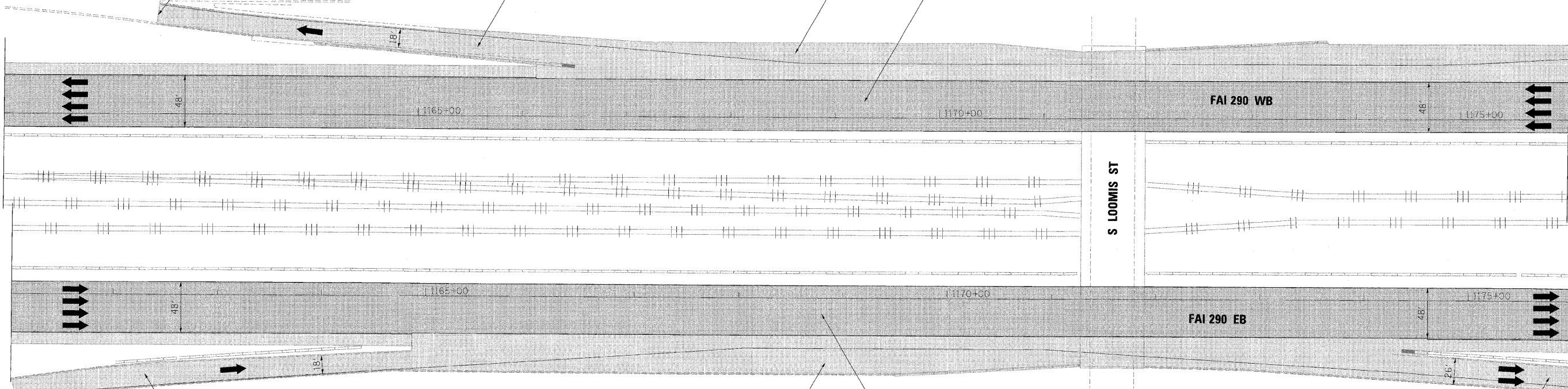
HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

MATCHLINE STA. 1161+00

MATCHLINE STA. 1176+00

MATCHLINE STA. 2+20



BEGIN AUXILIARY
 LANE RESURFACING
 STA 17+15

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/4"

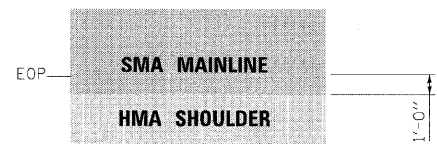
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
STA 1161+00 TO STA 1176+00			
SCALE: 1"=50'	SHEET NO. 21 OF 24 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B,D, ETC., 3031.1RS-6)		COOK	185	69
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



NOTE:
MAINLINE PAVING TO
EXTEND 1' ONTO HMA
SHOULDERS. SEE TYPICAL
SECTIONS.

HOT-MIX ASPHALT SURFACE COURSE,
MIX "D", N70, 1-1/2"
HOT-MIX ASPHALT BINDER COURSE,
IL-19.0, N70, 2-1/4"
HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

HOT-MIX ASPHALT SURFACE COURSE,
MIX "D", N70, 1-1/2"
HOT-MIX ASPHALT BINDER COURSE,
IL-19.0, N70, 2-1/4"
HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/4"

BEGIN AUXILIARY LANE
RESURFACING
STA 19+80

HOT-MIX ASPHALT SURFACE COURSE,
MIX "D", N70, 1-1/2"
HOT-MIX ASPHALT BINDER COURSE,
IL-19.0, N70, 2-1/4"
HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
STONE MATRIX ASPHALT, N80, 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
STONE MATRIX ASPHALT, N80, 2"
HOT-MIX ASPHALT SURFACE REMOVAL, 4"

MATCHLINE STA. 1176+00

MATCHLINE STA. 2+20

MATCHLINE STA. 1191+00

S RACINE AVE

FAI 290 WB

FAI 290 EB

END AUXILIARY LANE RESURFACING
STA 1178+24, 86' RT

HOT-MIX ASPHALT SURFACE COURSE,
MIX "D", N70, 1-1/2"
HOT-MIX ASPHALT BINDER COURSE,
IL-19.0, N70, 2-1/4"
HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/4"

HOT-MIX ASPHALT SURFACE COURSE,
MIX "D", N70, 1-1/2"
HOT-MIX ASPHALT BINDER COURSE,
IL-19.0, N70, 2-1/4"
HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
STONE MATRIX ASPHALT, N80, 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
STONE MATRIX ASPHALT, N80, 2"
HOT-MIX ASPHALT SURFACE REMOVAL, 4"

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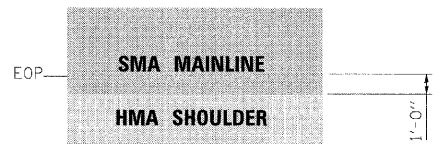
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
STA 1176+00 TO STA 1191+00**

SCALE: 1"=50' SHEET NO. 22 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1RS-6	COOK	185	70
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G53	



NOTE:
 MAINLINE PAVING TO
 EXTEND 1' ONTO HMA
 SHOULDERS. SEE TYPICAL
 SECTIONS.

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
 STONE MATRIX ASPHALT, N80, 2"
 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/4"

HOT-MIX ASPHALT SURFACE COURSE,
 MIX "D", N70, 1-1/2"
 HOT-MIX ASPHALT BINDER COURSE,
 IL-19.0, N70, 2-1/4"
 HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

END RAMP RESURFACING
 STA 1214+61, 230' RT

END IMPROVEMENTS
 STA. WB 1215+15
 STA. EB 1214+90

END RAMP RESURFACING
 STA 17+07

END RAMP RESURFACING
 STA 1214+07, 277' LT

MATCHLINE STA. 1206+00

1209+09
 24.00' LT

24'

1210+00 FAI 290 WB

S HALSTED ST

1210+00 FAI 290 EB

1209+10
 24.00' RT

36'

36'

24'

END RAMP RESURFACING
 STA 8+50

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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN		
STA 1206+00 TO STA 1221+00		
SCALE: 1"=50'	SHEET NO. 24 OF 24 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	72
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STAGE 1

INSTALL TEMPORARY SIGNING, STRIPING AND OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE STAGE 1 TRAFFIC CONFIGURATION, INCLUDING THE NECESSARY MODIFICATIONS TO THE EXISTING GROUND MOUNTED AND OVERHEAD SIGNS.

TRAFFIC

EB I-290

1. TRAFFIC WILL BE THREE LANES EASTBOUND AND SHIFTED TO THE INSIDE SHOULDER AT THE CENTRAL AVENUE BRIDGE. THE LANE CONFIGURATION AND ADVANCE SIGNAGE REQUIRED WEST OF THE I-290 BRIDGE OVER CENTRAL AVENUE WILL BE COORDINATED WITH CONTRACT 60G52.
2. EAST OF THE CENTRAL AVENUE BRIDGE, THREE LANES WILL BE MAINTAINED TO THE EAST END OF THE CRC PAVEMENT. THE OUTSIDE LANE WILL BE CLOSED. ALL RAMP ARE TO REMAIN OPEN. THE LANE CONFIGURATION AT THE EAST END OF THE PROJECT SHALL BE COORDINATED WITH CONTRACT 60D61.

WB I-290

1. FROM THE EAST END OF THE CRC PAVEMENT, THREE LANES OF TRAFFIC WILL BE MAINTAINED. THE OUTSIDE LANE WILL BE CLOSED. ALL RAMP ARE TO REMAIN OPEN. THE LANE CONFIGURATION AND ADVANCE SIGNAGE REQUIRED SHALL BE COORDINATED WITH CONTRACT 60D61.
2. TRAFFIC WILL BE THREE WESTBOUND LANES AND SHIFTED TO THE INSIDE SHOULDER AT THE CENTRAL AVENUE BRIDGE. THE LANE CONFIGURATION WEST OF THE CENTRAL AVENUE BRIDGE SHALL BE COORDINATED WITH CONTRACT 60G52.

CONSTRUCTION

UTILIZE THE PERMANENT LANE CLOSURES SHOWN IN THE PLANS TO PATCH LANES 3 AND 4 EASTBOUND AND WESTBOUND. LANE 4 MAY BE PATCHED AT ANYTIME WITHIN THE PERMANENT LANE CLOSURES SHOWN IN THE PLANS. CLASS D PATCHING OUTSIDE OF THE PERMANENT LANE CLOSURE MUST BE ACCOMPLISHED DURING THE ALLOWABLE HOURS FOR A 1-LANE CLOSURE OR A 2-LANE CLOSURE ANY NIGHT. CLASS A PATCHING OF LANE 3 WILL ONLY BE ALLOWED ON THE WEEKEND. THE CONTRACTOR SHALL CLOSE LANE 3 DURING THE ALLOWABLE HOURS FOR A 2-LANE CLOSURE UNTIL THE CONCRETE IS POURED. FOR CURING PURPOSES ONLY, TRAFFIC SHALL RETURN TO 3 OPEN LANES UTILIZING TC-25 FOR A CENTER-LANE CLOSURE. THE MAXIMUM CONTINUOUS LENGTH TO HAVE TRAFFIC IN THIS CONFIGURATION SHALL BE ONE HALF MILE.

I-290 EB & I-290 WB OVER CENTRAL AVE. (016-0094 & 016-0095)

1. REPAIR BRIDGE DECK.
2. REPAIR APPROACH SLABS.
3. RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEALS.
4. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
5. APPLY CONCRETE SEALER TO BRIDGE DECK, PARAPETS AND APPROACH SLABS.

STAGE 2

INSTALL TEMPORARY SIGNING, STRIPING AND OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE STAGE 2 TRAFFIC CONFIGURATION, INCLUDING THE NECESSARY MODIFICATIONS TO THE EXISTING GROUND MOUNTED AND OVERHEAD SIGNS.

TRAFFIC

EB I-290

1. TRAFFIC WILL BE THREE LANES EASTBOUND AND SHIFTED TO THE OUTSIDE SHOULDER AT THE CENTRAL AVENUE BRIDGE. THE LANE CONFIGURATION AND ADVANCE SIGNAGE REQUIRED WEST OF THE I-290 BRIDGE OVER CENTRAL AVENUE WILL BE COORDINATED WITH CONTRACT 60G52.
2. EAST OF THE CENTRAL AVENUE BRIDGE, THREE LANES OF TRAFFIC WILL BE MAINTAINED TO THE EAST END OF THE CRC PAVEMENT. THE INSIDE LANE WILL BE CLOSED. THE LANE CONFIGURATION AT THE EAST END OF THE PROJECT SHALL BE COORDINATED WITH CONTRACT 60D61.

WB I-290

1. FROM THE EAST END OF THE CRC PAVEMENT, THREE LANES OF TRAFFIC WILL BE MAINTAINED. THE INSIDE LANE WILL BE CLOSED. THE LANE CONFIGURATION AND ADVANCE SIGNAGE REQUIRED SHALL BE COORDINATED WITH CONTRACT 60D61.
2. TRAFFIC WILL BE THREE WESTBOUND LANES AND SHIFTED TO THE OUTSIDE SHOULDER AT THE CENTRAL AVENUE BRIDGE. THE LANE CONFIGURATION WEST OF THE CENTRAL AVENUE BRIDGE SHALL BE COORDINATED WITH CONTRACT 60G52.

CONSTRUCTION

UTILIZE THE PERMANENT LANE CLOSURES SHOWN IN THE PLANS TO PATCH LANES 1 AND 2 EASTBOUND AND WESTBOUND. LANE 1 MAY BE PATCHED AT ANYTIME WITHIN THE PERMANENT LANE CLOSURES SHOWN IN THE PLANS. CLASS D PATCHING OUTSIDE OF THE PERMANENT LANE CLOSURES MUST BE ACCOMPLISHED DURING THE ALLOWABLE HOURS FOR A 1-LANE CLOSURE OR A 2-LANE CLOSURE ANY NIGHT. CLASS A PATCHING FOR LANE 2 WILL ONLY ALLOWED ON THE WEEKEND. THE CONTRACTOR SHALL CLOSE LANE 2 DURING THE ALLOWABLE HOURS FOR A 2-LANE CLOSURE UNTIL THE CONCRETE IS POURED. FOR CURING PURPOSES ONLY, TRAFFIC SHALL RETURN TO 3 OPEN LANES UTILIZING TC-25 FOR A CENTER-LANE CLOSURE. THE MAXIMUM CONTINUOUS LENGTH TO HAVE TRAFFIC IN THIS CONFIGURATION SHALL BE ONE HALF MILE.

I-290 EB OVER CENTRAL AVE. (016-0094)

1. REPAIR BRIDGE DECK.
2. REPAIR APPROACH SLABS.
3. RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEALS.
4. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
5. APPLY CONCRETE SEALER TO BRIDGE DECK, PARAPETS AND APPROACH SLABS, ABUTMENT SEATS AND BACKWALLS.

I-290 WB OVER CENTRAL AVE. (016-0095)

1. REPAIR BRIDGE DECK.
2. REPAIR APPROACH SLABS.
3. RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEALS.
4. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
5. APPLY CONCRETE SEALER TO BRIDGE DECK, PARAPETS AND APPROACH SLABS, ABUTMENT SEATS AND BACKWALLS.
6. PARTIAL REPLACEMENT OF WEST BRIDGE APPROACH PAVEMENT CONNECTOR.

STAGE 3

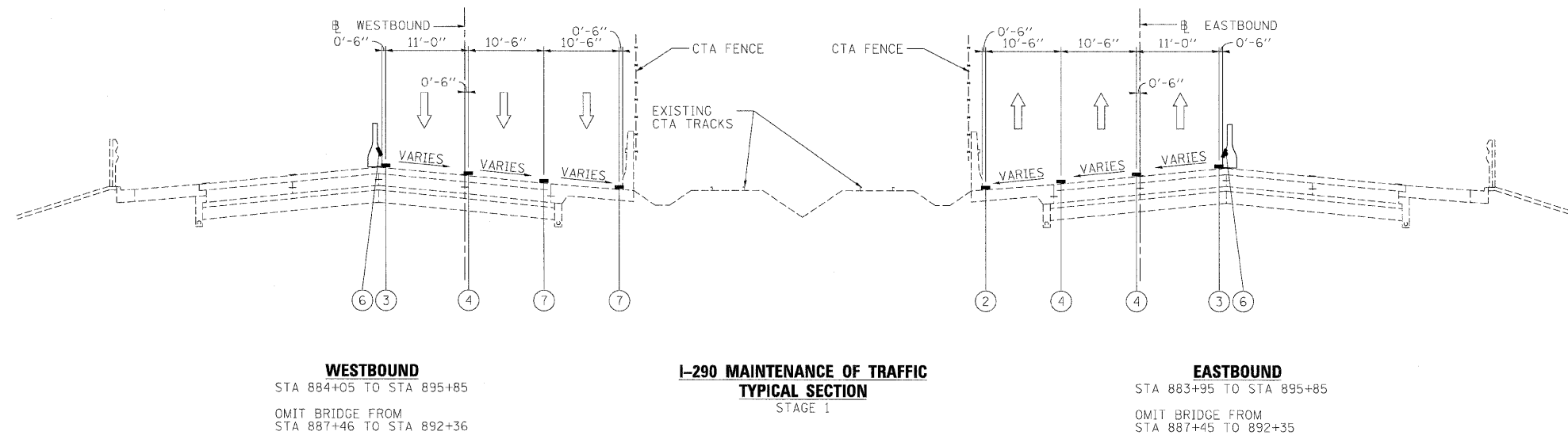
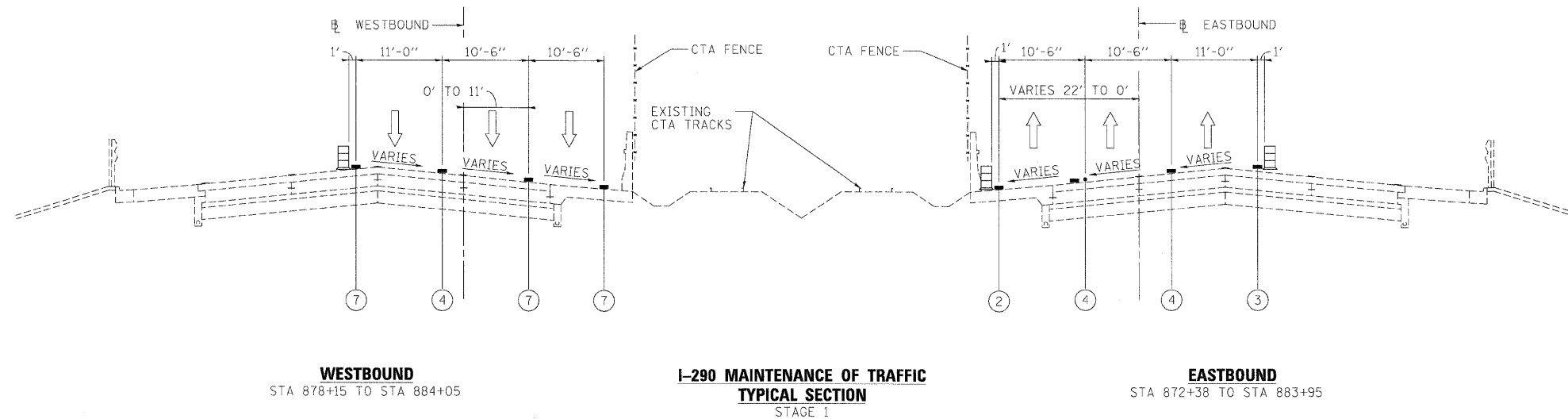
TRAFFIC

THE EXISTING PAVEMENT MARKING CONFIGURATION SHALL BE RESTORED BEFORE BEGINNING RESURFACING OPERATIONS. SEE MAINTENANCE OF TRAFFIC TYPICAL SECTIONS FOR PATCHING AND RESURFACING TRAFFIC CONTROL.

CONSTRUCTION

SEE MAINTENANCE OF TRAFFIC TYPICAL SECTIONS FOR RESURFACING ITEMS. THE CONTRACTOR SHALL NOT HAVE MORE THAN 4 CONTINUOUS SURVEILLANCE LOOPS (APPROXIMATELY 2 MILES) NON-OPERATIONAL AT ANY GIVEN TIME.

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGING			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...NrpLin.ABC.C3.gennotes.motldgn	DRAWN - TMB	REVISED -						290	(2828B,D, ETC., 3031.IRS-6	COOK	185	73
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PLOT DATE = 12/16/2009	DATE - 10/16/09	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							



LEGEND

- ① EXISTING PAVEMENT MARKING
- ② WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (YELLOW)
- ③ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (WHITE)
- ④ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 5 INCH (WHITE)
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 6" (YELLOW) (ON BARRIER)
- ⑥ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE) (ON BARRIER)
- ⑦ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 8 INCH (WHITE)
- TEMPORARY CONCRETE BARRIER
- TYPE II BARRIER, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- WORK ZONE

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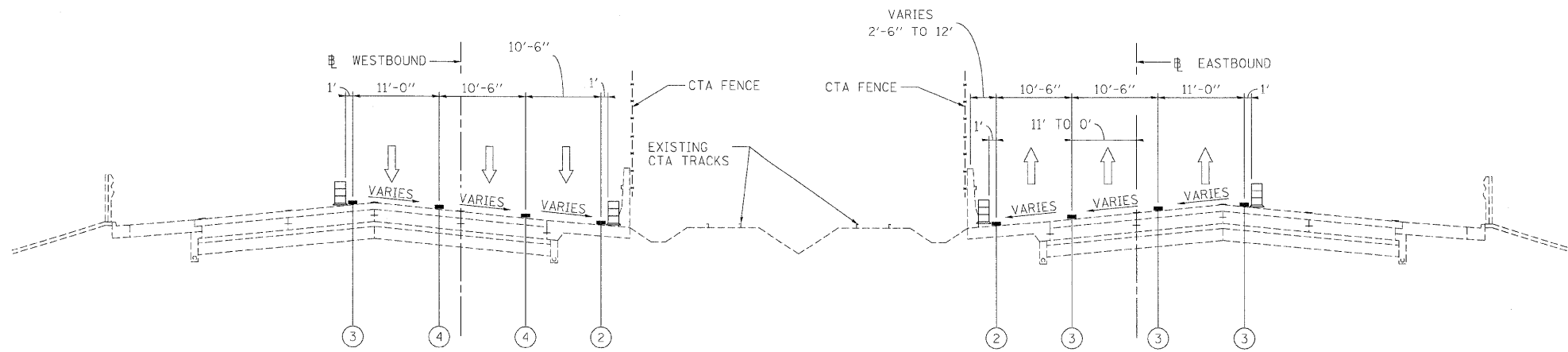
benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 1

SCALE: N.T.S. SHEET NO. 2 OF 28 SHEETS STA. TO STA.

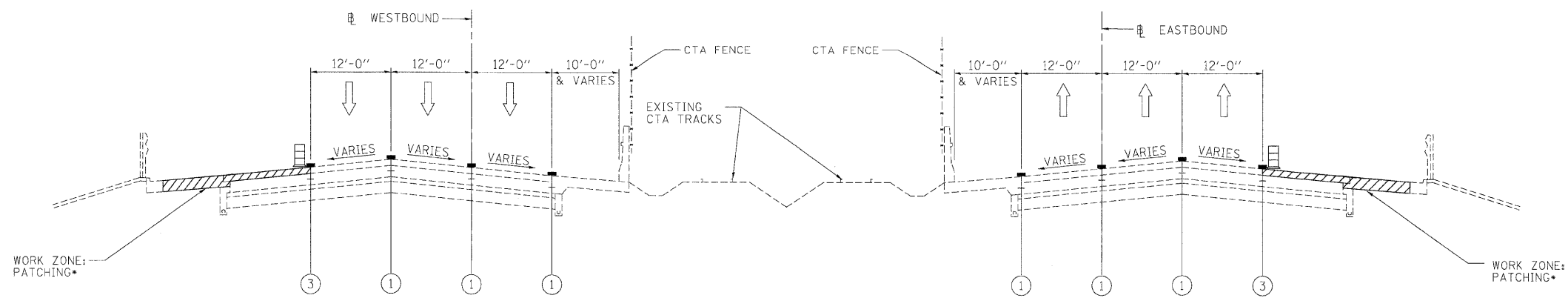
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	74
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



WESTBOUND
STA 895+85 TO STA 901+93

I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 1

EASTBOUND
STA 895+85 TO STA 901+93



WESTBOUND
STA 901+93 TO STA 1022+95
* RAMP TO REMAIN OPEN

I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 1

EASTBOUND
STA 901+93 TO STA 1022+75
* RAMP TO REMAIN OPEN

LEGEND

- ① EXISTING PAVEMENT MARKING
- ② WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (YELLOW)
- ③ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (WHITE)
- ④ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 5 INCH (WHITE)
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 6" (YELLOW) (ON BARRIER)
- ⑥ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE) (ON BARRIER)
- ⑦ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 8 INCH (WHITE)
- TEMPORARY CONCRETE BARRIER
- TYPE II BARRIER, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- WORK ZONE

FILE NAME =	DESIGNED - AJP	REVISED -
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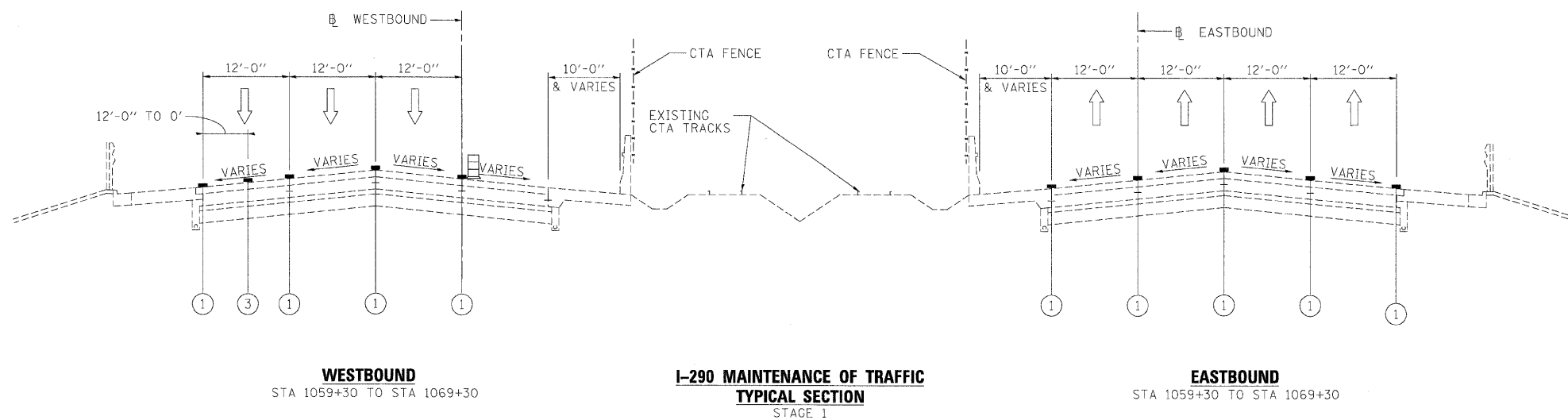
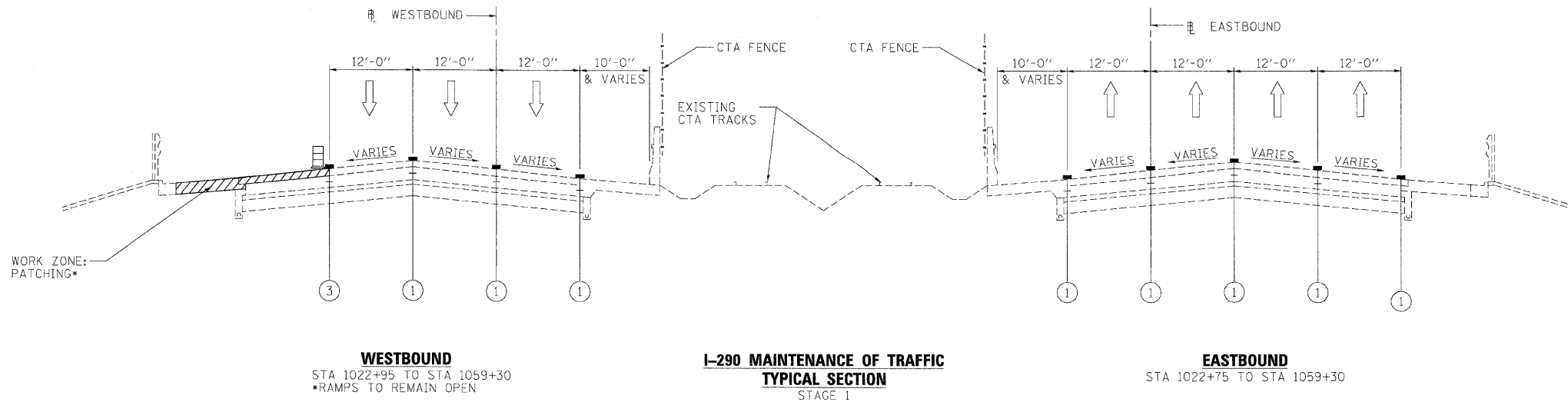
benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 1

SCALE: N.T.S. SHEET NO. 3 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	75
CONTRACT NO. 60653				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



LEGEND

- ① EXISTING PAVEMENT MARKING
- ② WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (YELLOW)
- ③ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (WHITE)
- ④ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 5 INCH (WHITE)
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 6" (YELLOW) (ON BARRIER)
- ⑥ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE) (ON BARRIER)
- ⑦ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 8 INCH (WHITE)
- TEMPORARY CONCRETE BARRIER
- TYPE II BARRIER, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- WORK ZONE

FILE NAME =	DESIGNED - AJP	REVISED -
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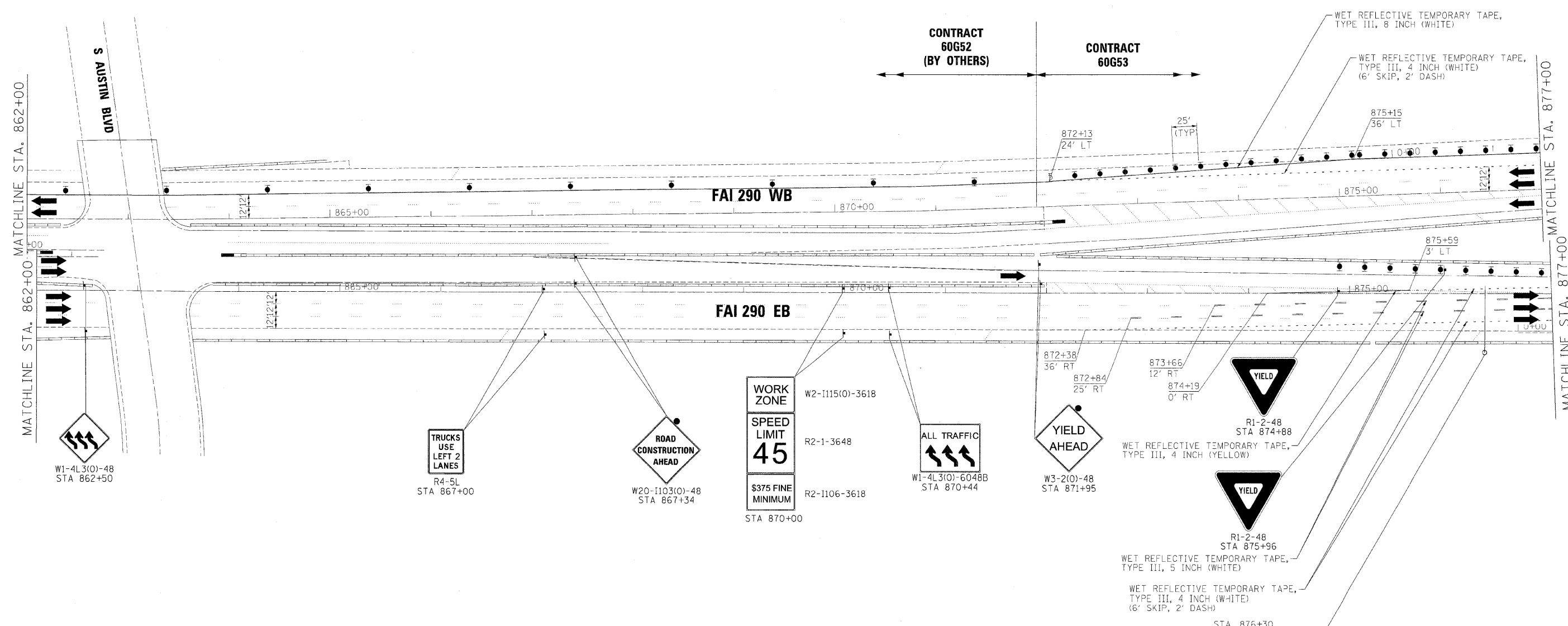
benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 1

SCALE: N.T.S. SHEET NO. 4 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B,D, ETC., 3031,1RS-6		COOK	185	76
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G53	



- LEGEND:**
- TEMPORARY SIGN PANELS
 - WORK ZONE
 - TRAFFIC ARROW
 - FLASHING ARROW BOARD
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 - TEMPORARY IMPACT ATTENUATORS
 - TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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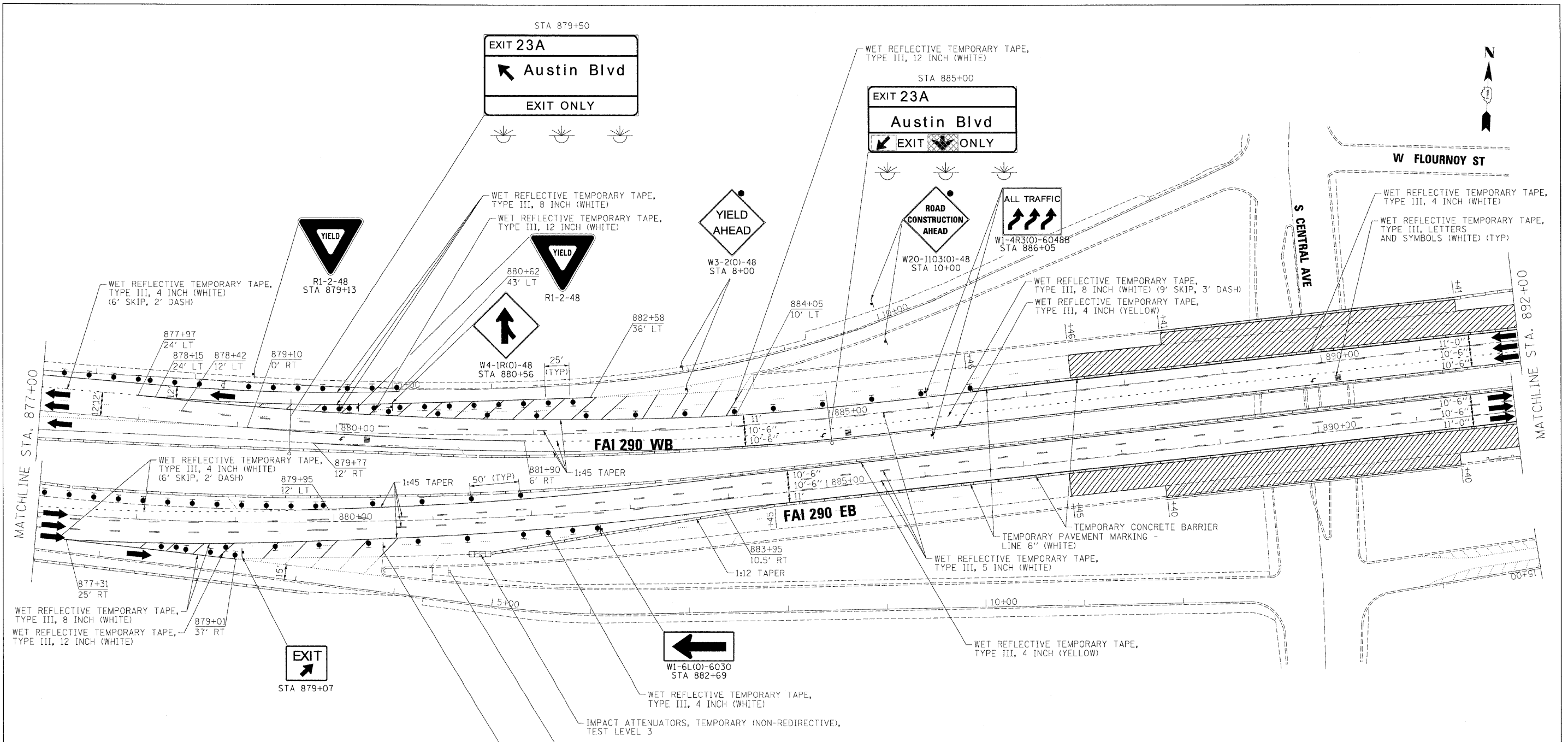
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 5 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.DRS-6	COOK	185	77
CONTRACT NO. 60G53				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND:

	TEMPORARY SIGN PANELS
	WORK ZONE
	TRAFFIC ARROW
	FLASHING ARROW BOARD
	TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATORS
	TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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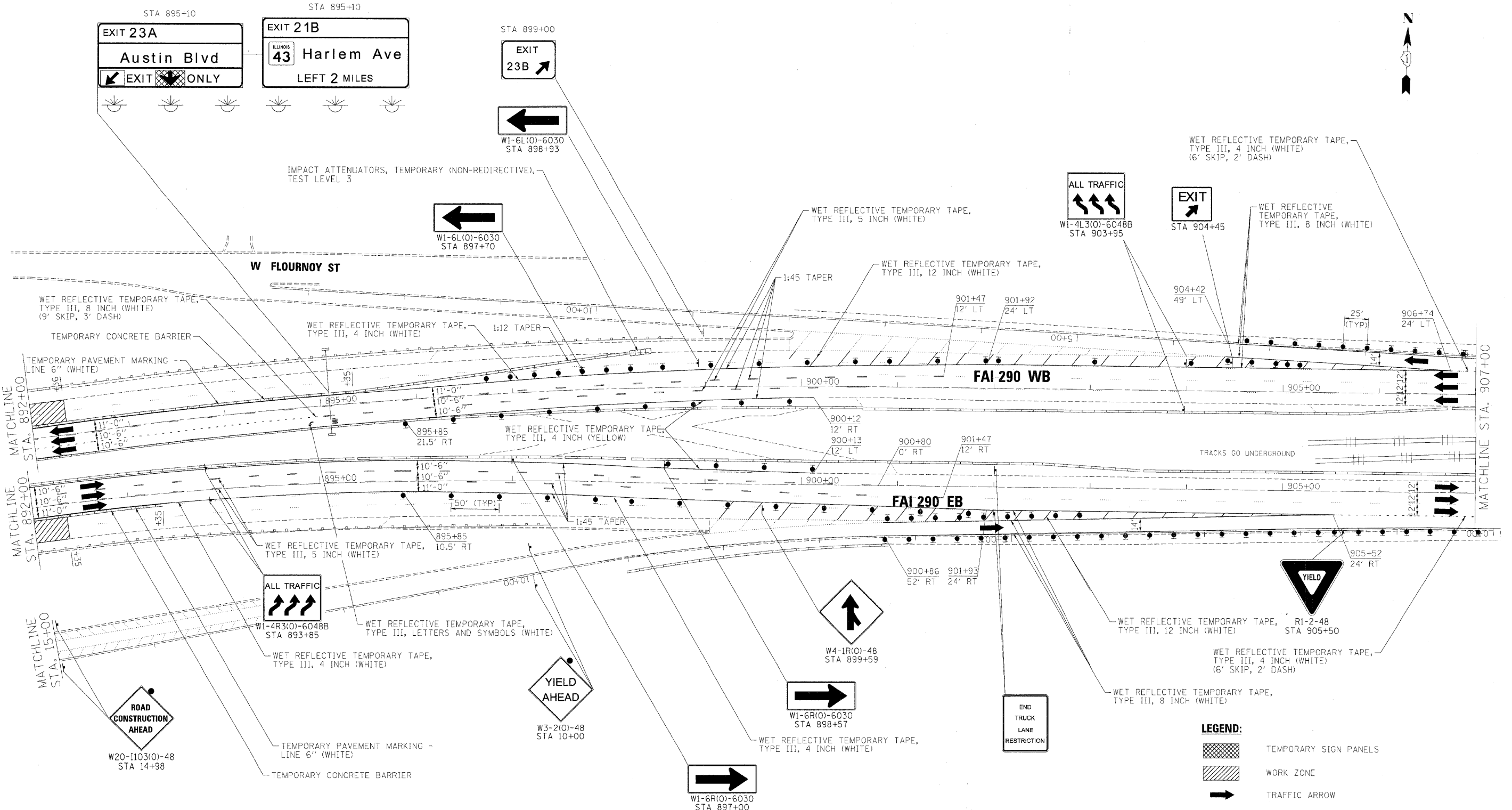
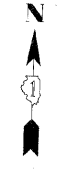
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 6 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B,D, ETC., 3031,1RS-6		COOK	185	78
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60C53	



NOTES:
 1. CONTRACTOR MUST COORDINATE TEMPORARY SIGNING, PAVEMENT MARKING, AND MOVEABLE CONCRETE BARRIER WITH THE CONTRACTOR PERFORMING WORK ON CONTRACT #60061

LEGEND:

	TEMPORARY SIGN PANELS
	WORK ZONE
	TRAFFIC ARROW
	FLASHING ARROW BOARD
	TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATORS
	TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

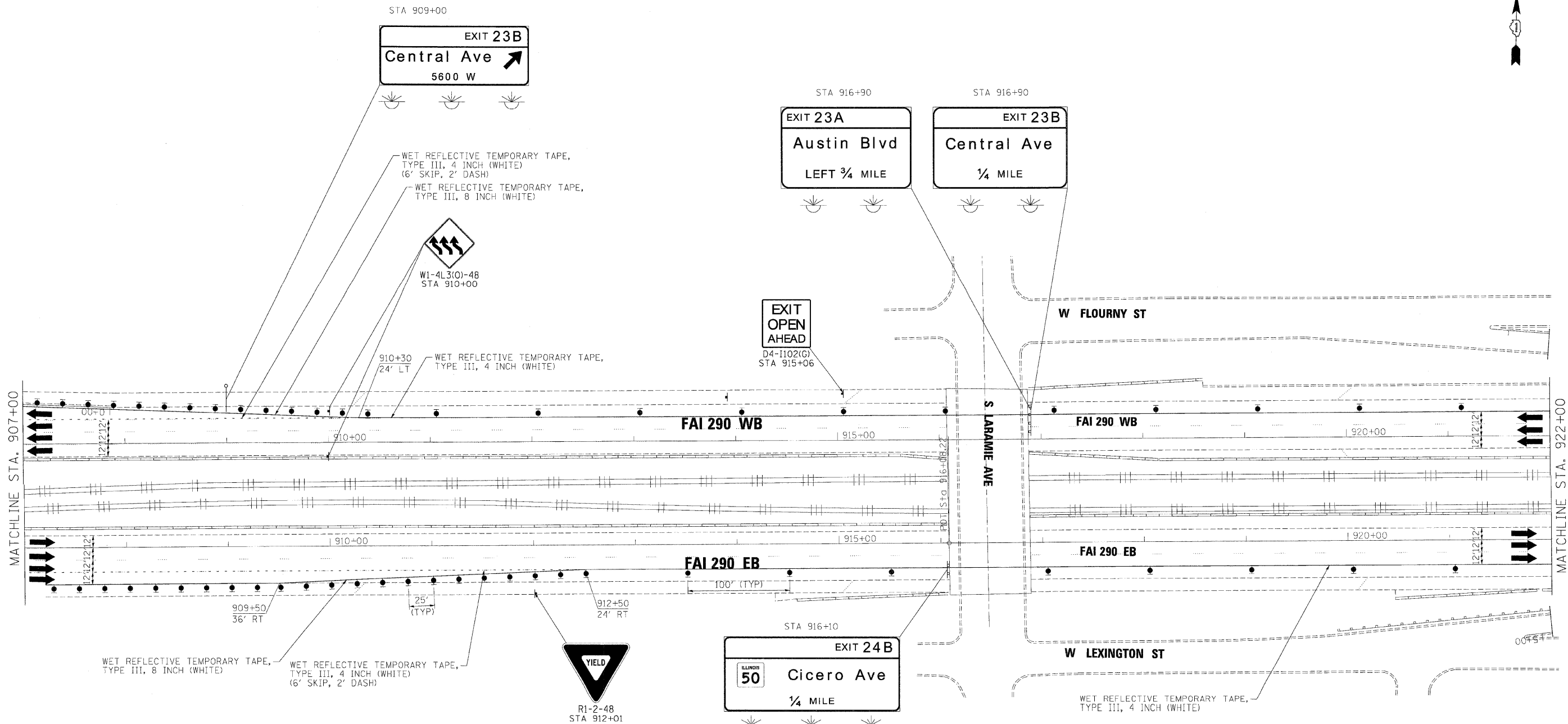
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PLOT DATE = 12/15/2009	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 PLAN - STAGE 1**
 SCALE: 1"=50' SHEET NO. 7 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1)RS-6	COOK	185	79
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60653	



- LEGEND:**
- TEMPORARY SIGN PANELS
 - WORK ZONE
 - TRAFFIC ARROW
 - FLASHING ARROW BOARD
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 - TEMPORARY IMPACT ATTENUATORS
 - TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

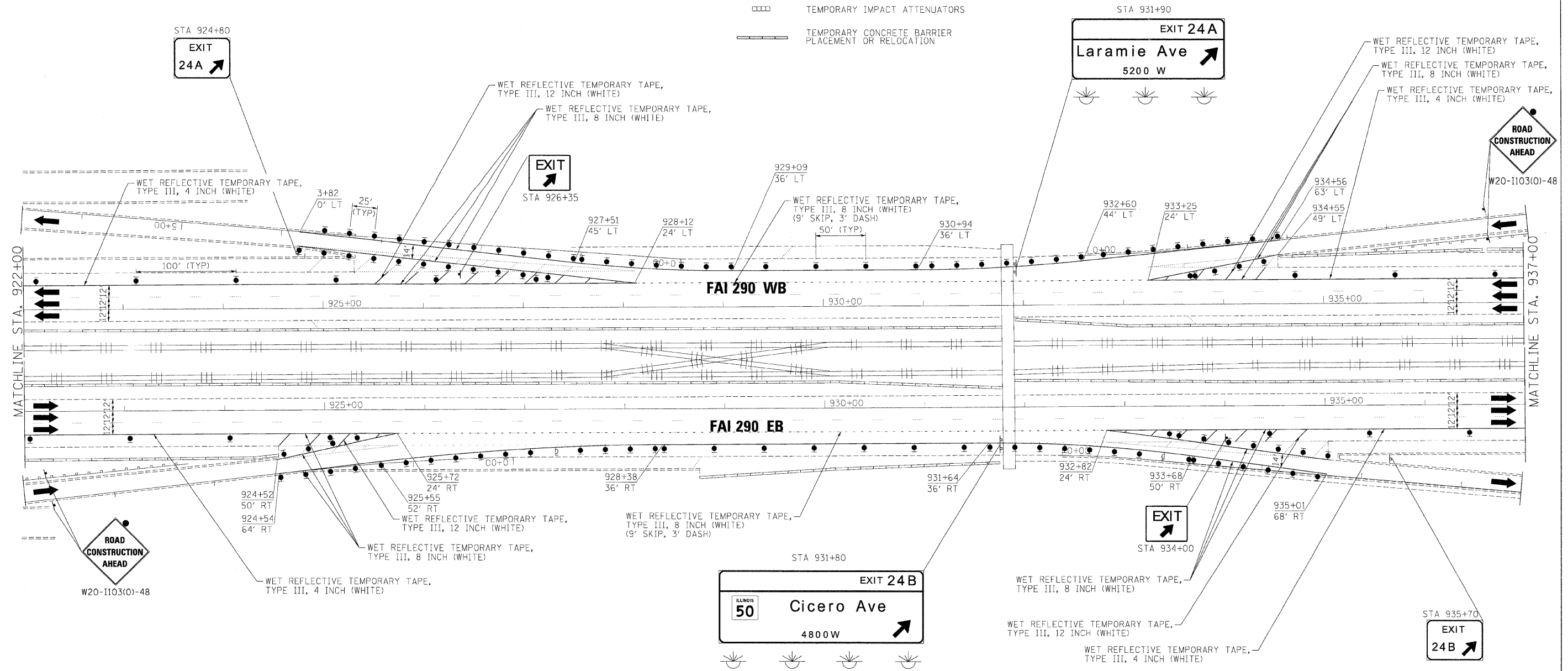
**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 8 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	80
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G53	



- LEGEND:**
- TEMPORARY SIGN PANELS
 - WORK ZONE
 - TRAFFIC ARROW
 - FLASHING ARROW BOARD
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 - TEMPORARY IMPACT ATTENUATORS
 - TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION



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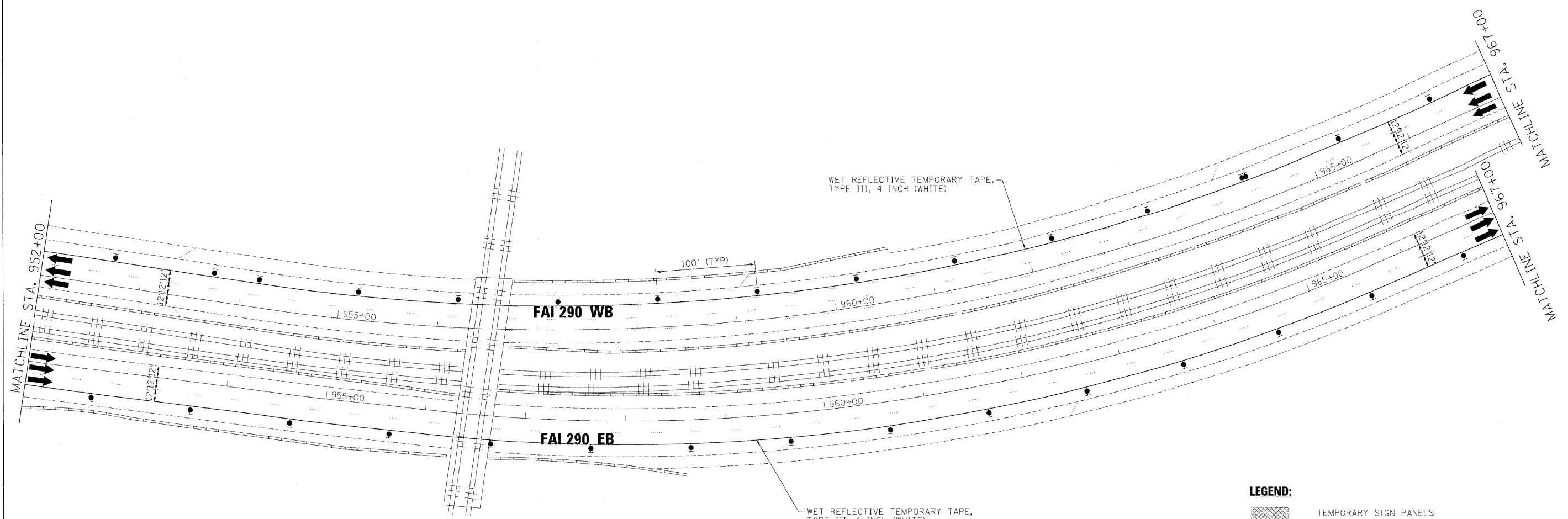
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 9 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	81
CONTRACT NO. 60653				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



WET REFLECTIVE TEMPORARY TAPE,
TYPE III, 4 INCH (WHITE)

WET REFLECTIVE TEMPORARY TAPE,
TYPE III, 4 INCH (WHITE)

LEGEND:

- TEMPORARY SIGN PANELS
- WORK ZONE
- TRAFFIC ARROW
- FLASHING ARROW BOARD
- TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL
W/ STEADY BURNING MONODIRECTIONAL LIGHT
- TEMPORARY IMPACT ATTENUATORS
- TEMPORARY CONCRETE BARRIER
PLACEMENT OR RELOCATION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

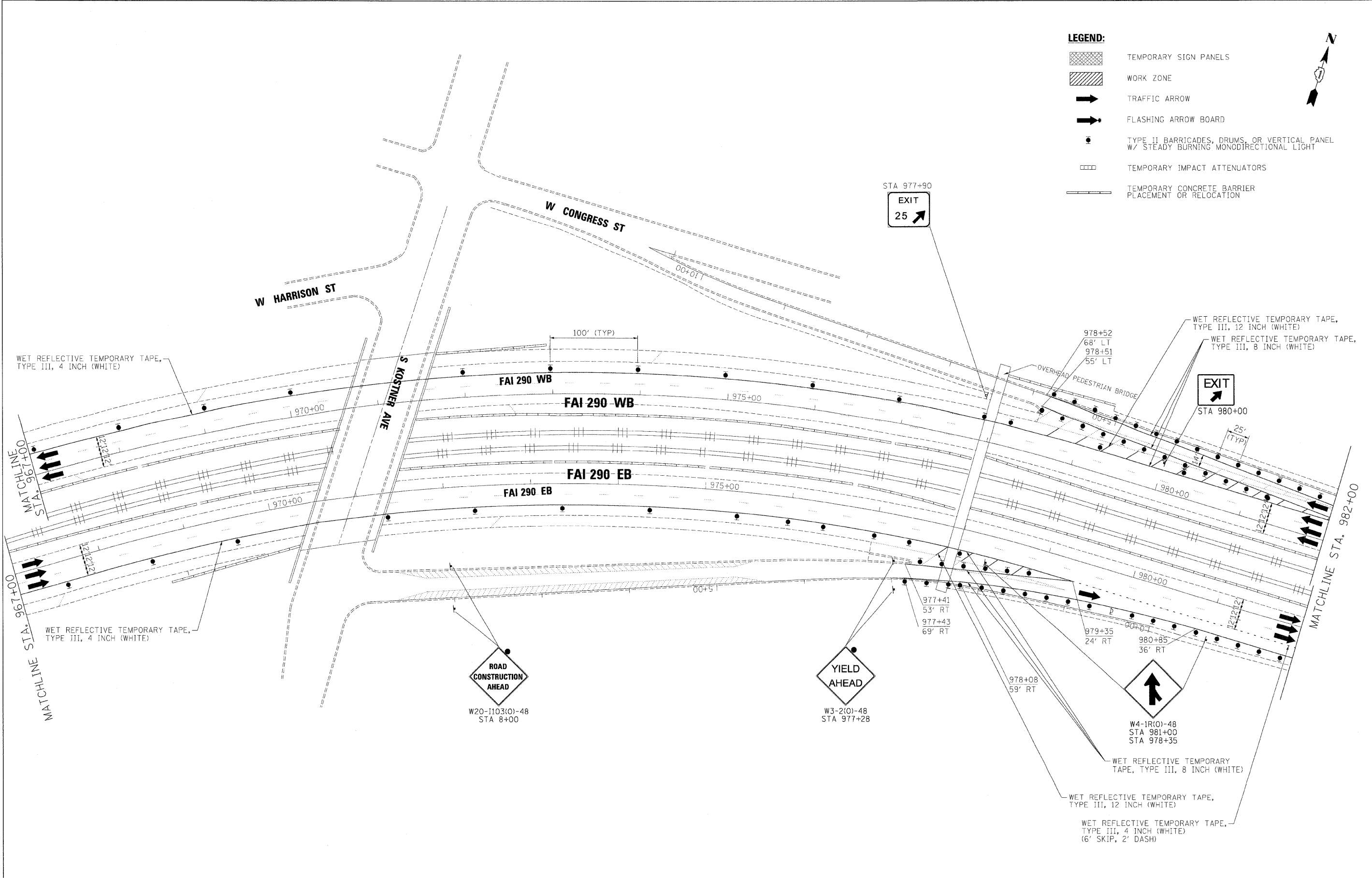
MAINTENANCE OF TRAFFIC
PLAN - STAGE 1

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	81B
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60653	

LEGEND:

-  TEMPORARY SIGN PANELS
-  WORK ZONE
-  TRAFFIC ARROW
-  FLASHING ARROW BOARD
-  TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
-  TEMPORARY IMPACT ATTENUATORS
-  TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION



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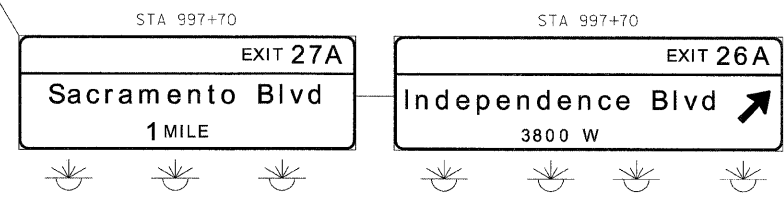
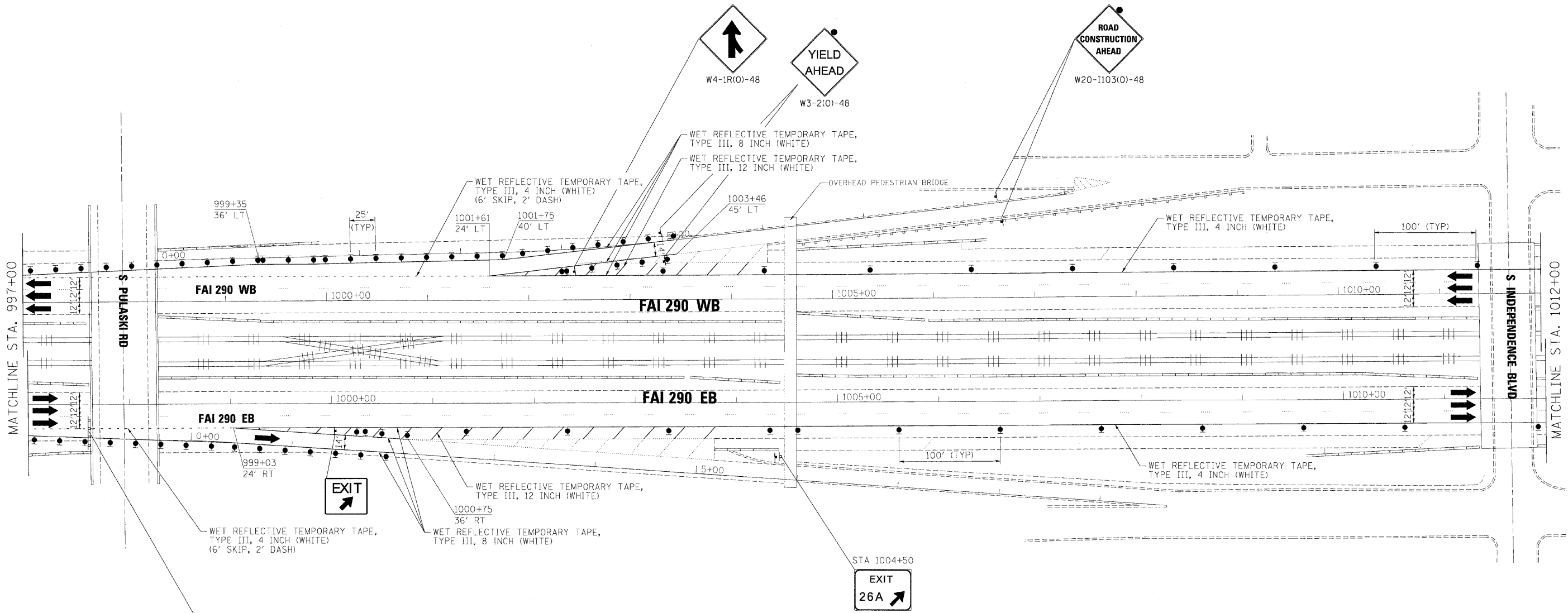
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.IRS-6	COOK	185	81C
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



LEGEND:

	TEMPORARY SIGN PANELS
	WORK ZONE
	TRAFFIC ARROW
	FLASHING ARROW BOARD
	TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATORS
	TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

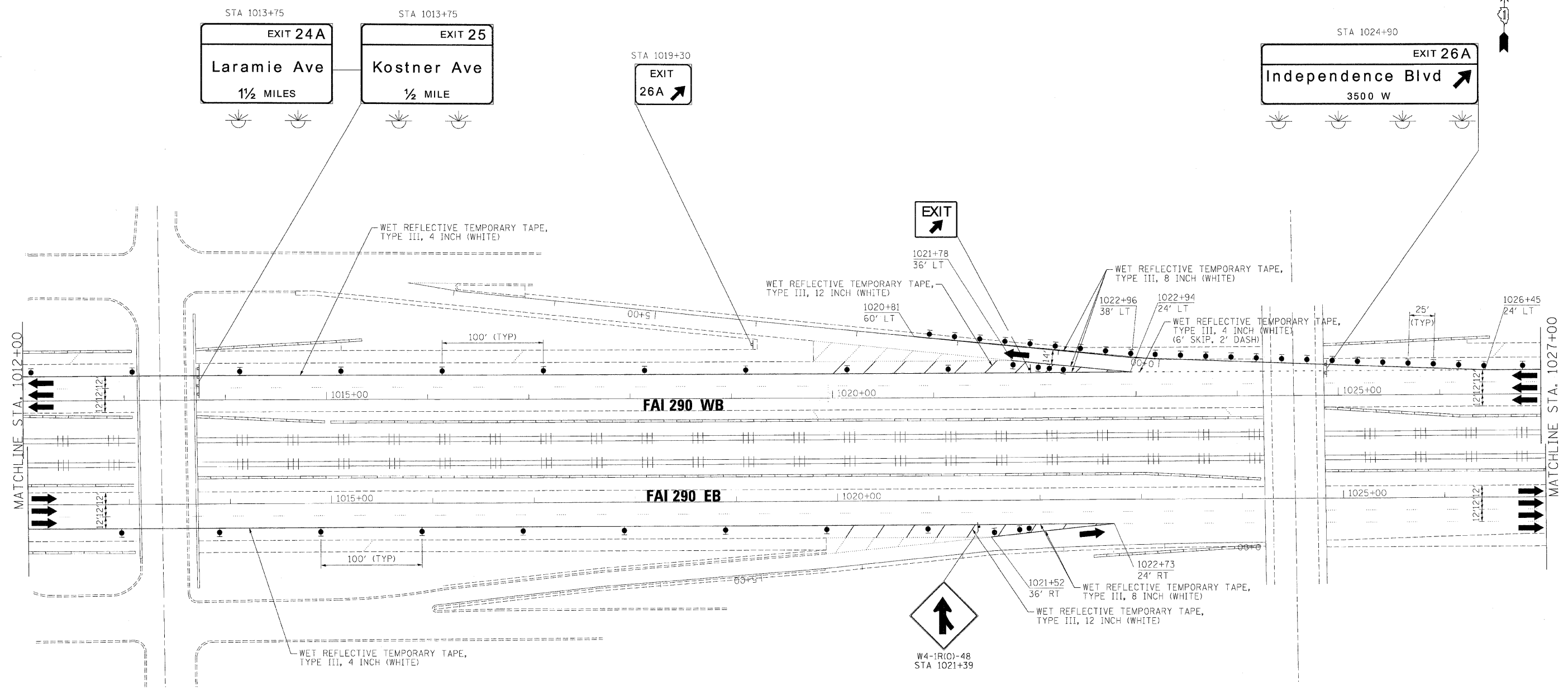
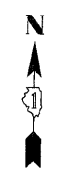
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	81E
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



LEGEND:

	TEMPORARY SIGN PANELS
	WORK ZONE
	TRAFFIC ARROW
	FLASHING ARROW BOARD
	TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATORS
	TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

FILE NAME =	DESIGNED - JJT	REVISED -
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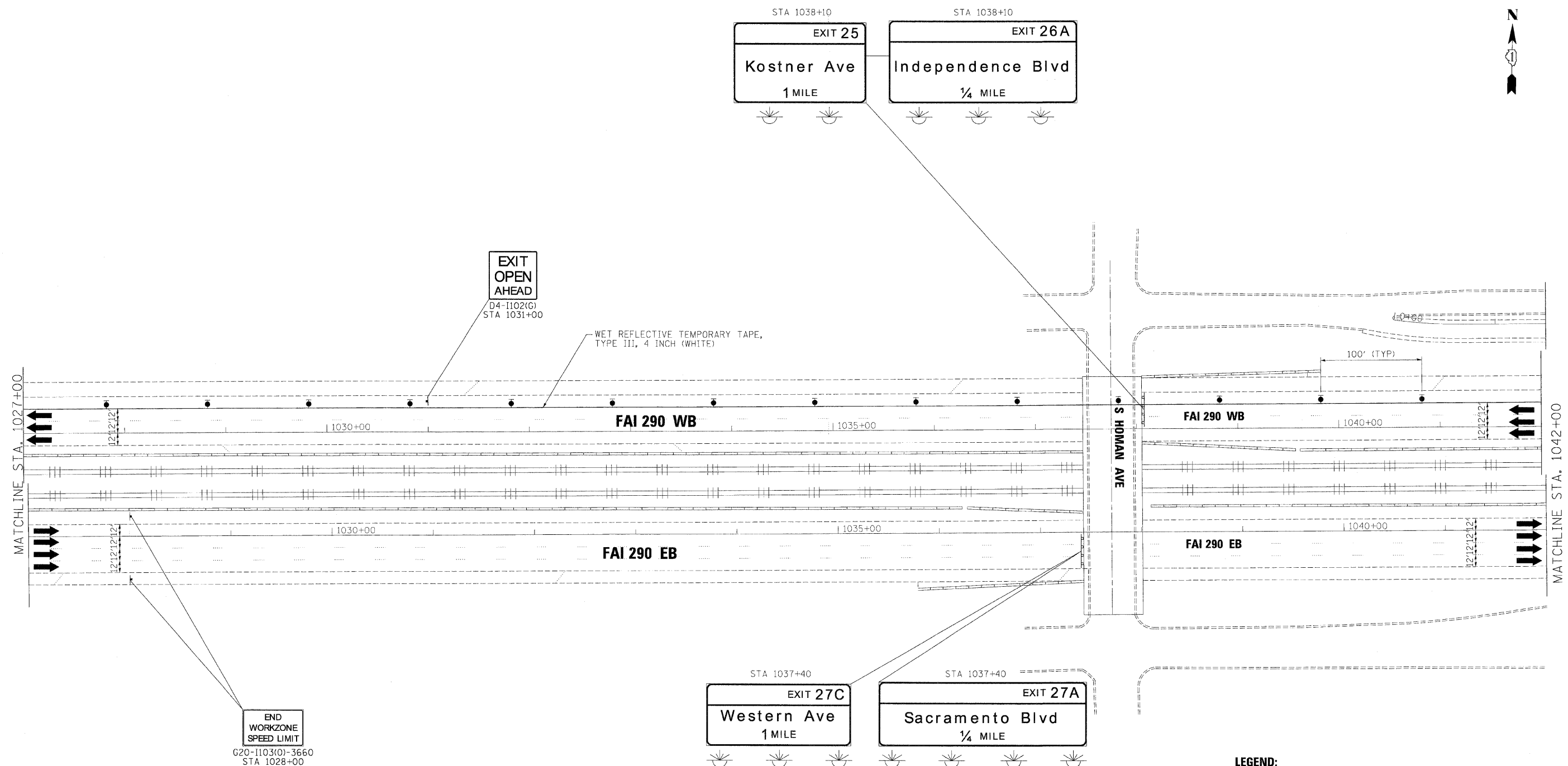
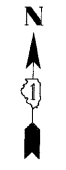
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	81F
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60C53	



- LEGEND:**
- TEMPORARY SIGN PANELS
 - WORK ZONE
 - TRAFFIC ARROW
 - FLASHING ARROW BOARD
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 - TEMPORARY IMPACT ATTENUATORS
 - TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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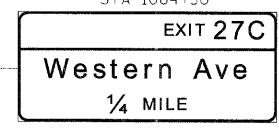
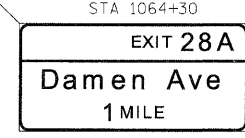
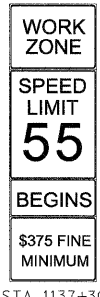
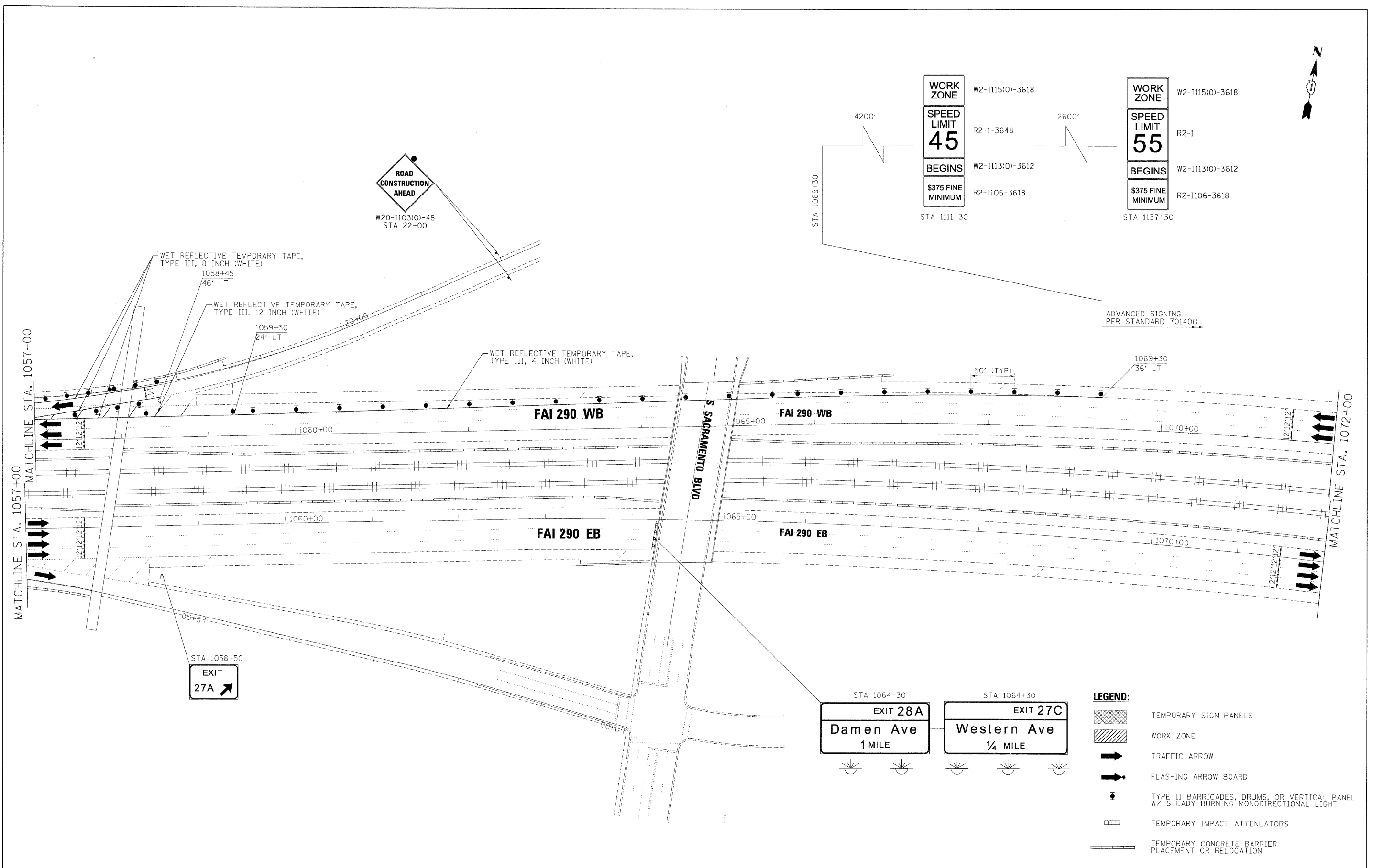
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B,D, ETC., 3031.1RS-6		COOK	185	81G
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



- LEGEND:**
- TEMPORARY SIGN PANELS
 - WORK ZONE
 - TRAFFIC ARROW
 - FLASHING ARROW BOARD
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 - TEMPORARY IMPACT ATTENUATORS
 - TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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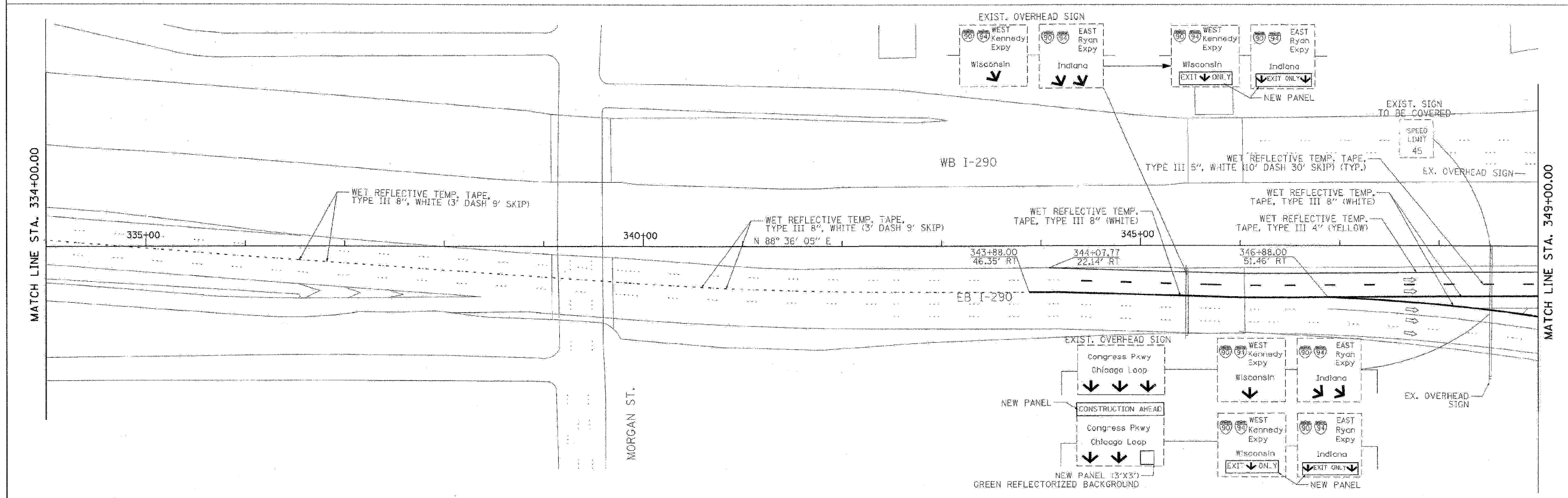
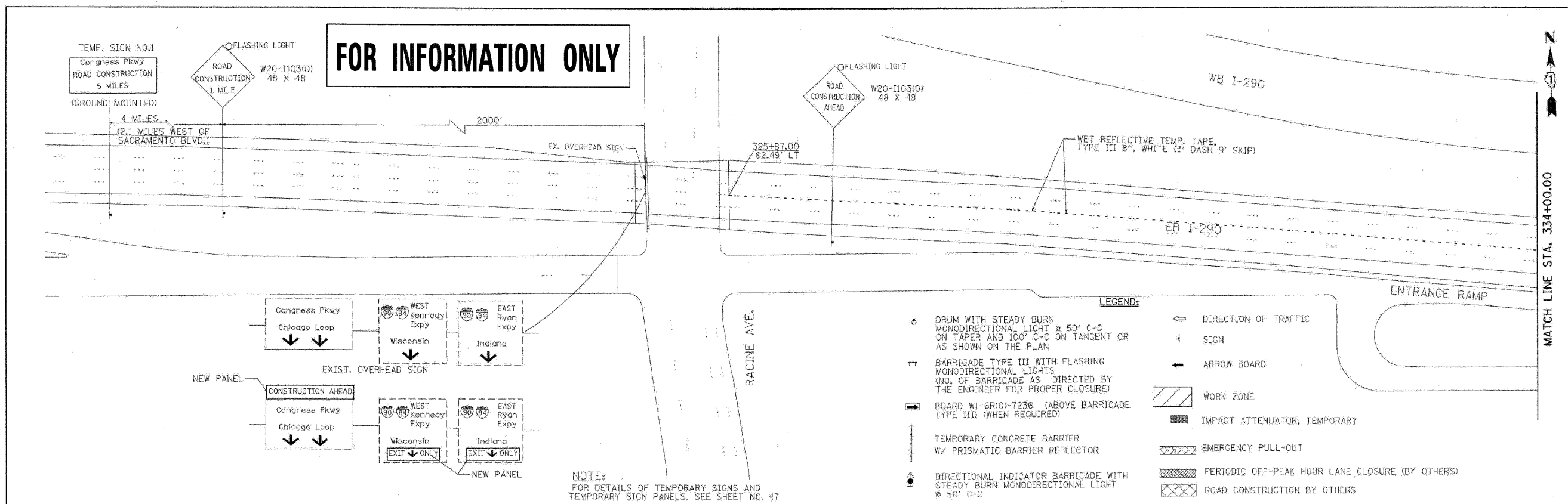
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

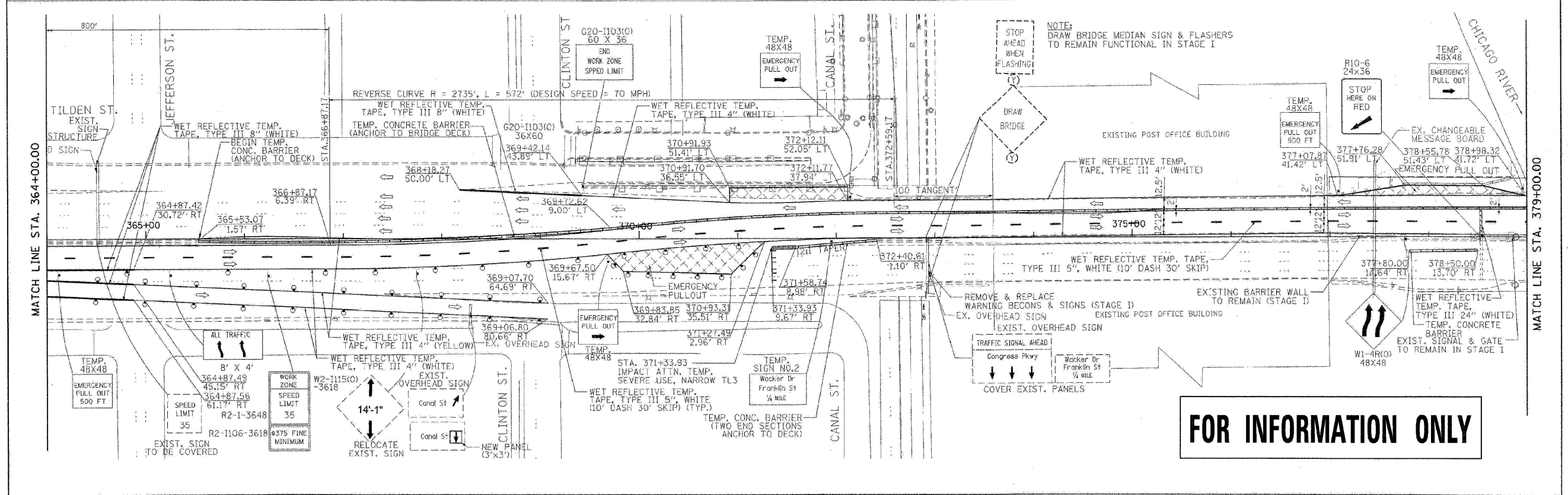
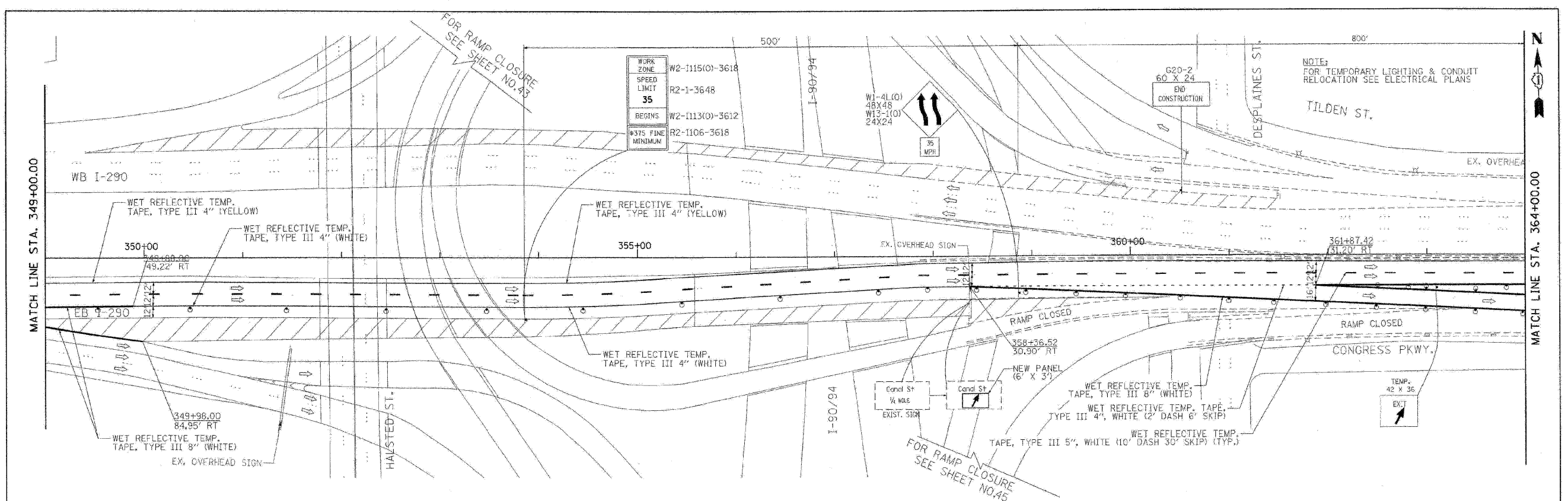
SCALE: 1"=50' SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(28288D, ETC., 3031.1RS-6	COOK	185	811
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	



PB Americas, Inc. 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606	USER NAME = WUSER#	DESIGNED - DM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS - STAGE I	F.A.P. RTE. = 389	SECTION = 2424-28-R	COUNTY = COOK	TOTAL SHEET NO. = 34
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	PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
	PLOT DATE = 5/7/2009	DATE = 5/08/09	REVISED -			SCALE: 1" = 50'			

FILE NAME = ...p\pln_abc_c3_290_mot.st.1.04.60061.dgn	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN - STAGE I	F.A.I. RTE. = 290	SECTION = (2828B,0, ETC., 3031,1RS-6	COUNTY = COOK	TOTAL SHEET NO. = 185	SHEET NO. = 82
USER NAME = tblank	DRAWN - TMB	REVISED -				CONTRACT NO. = 60653				
CHECKED - JJT	REVISOR -	REVISED -				FED. ROAD DIST. NO. = ILLINOIS FED. AID PROJECT				
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -				SCALE: 1" = 50'				



FOR INFORMATION ONLY

PB Americas, Inc.
230 WEST MONROE STREET,
SUITE 900
CHICAGO, IL. 60606

USER NAME = #USERS	DESIGNED - DM	REVISED -
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PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -
PLOT DATE = 9/7/2009	DATE - 5/08/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER
SUGGESTED STAGES OF CONSTRUCTION
AND TRAFFIC CONTROL PLANS - STAGE I**

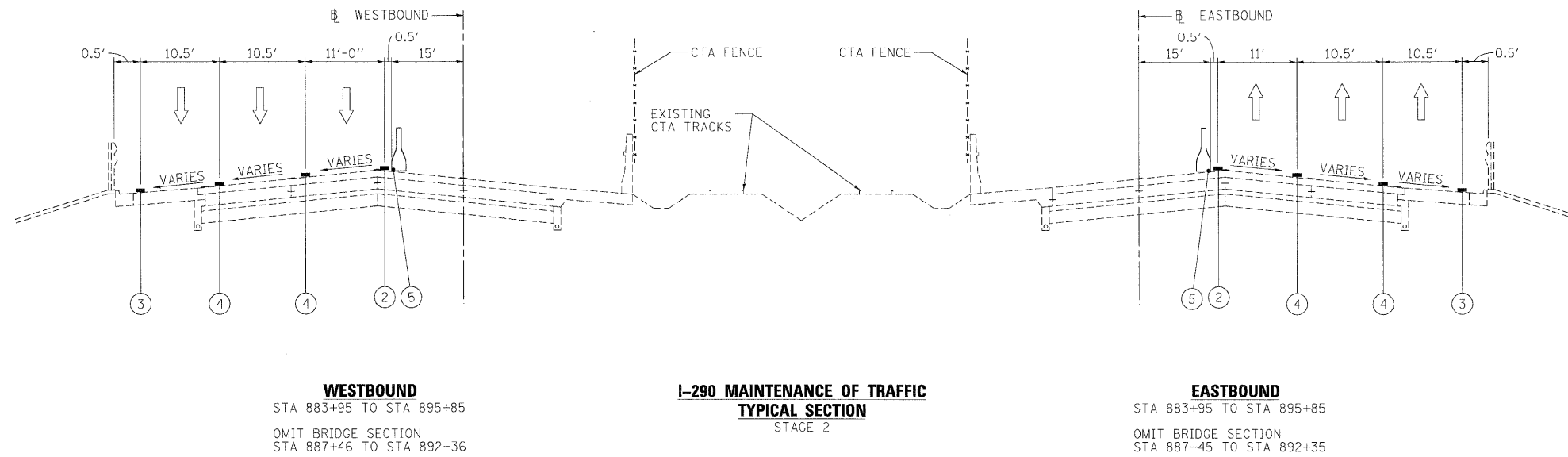
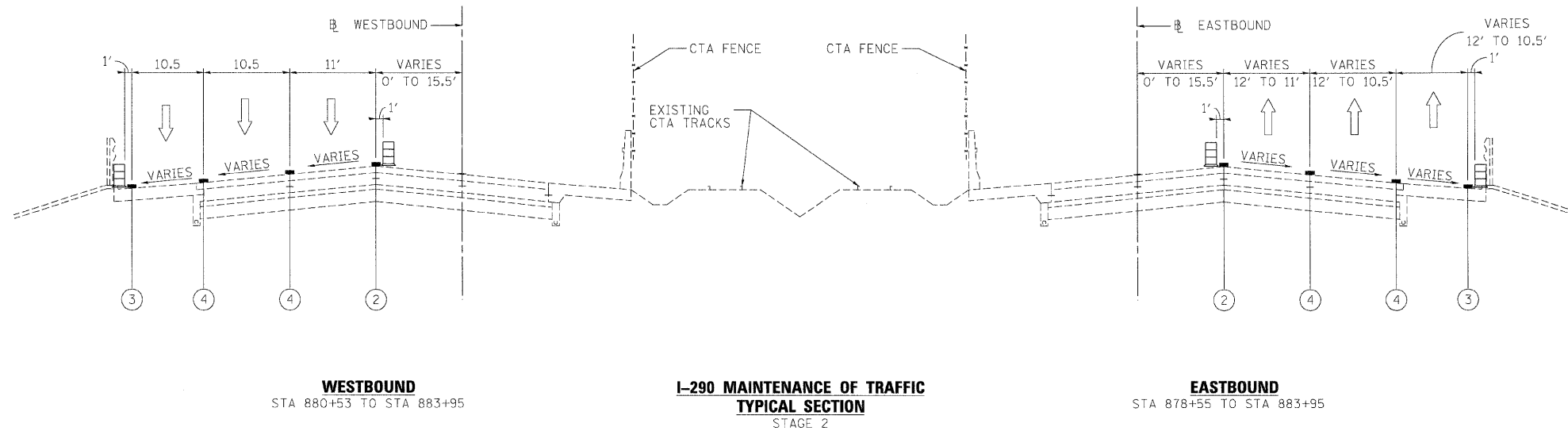
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	2424-2B-R	COOK	398	35
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE I**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B.D., ETC., 3031)RS-6	COOK	185	83
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



- LEGEND**
- ① EXISTING PAVEMENT MARKING
 - ② WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (YELLOW)
 - ③ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (WHITE)
 - ④ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 5 INCH (WHITE)
 - ⑤ TEMPORARY PAVEMENT MARKING - LINE 6" (YELLOW) (ON BARRIER)
 - ⑥ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE) (ON BARRIER)
 - ⑦ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 8 INCH (WHITE)
 - TEMPORARY CONCRETE BARRIER
 - TYPE II BARRIER, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - WORK ZONE

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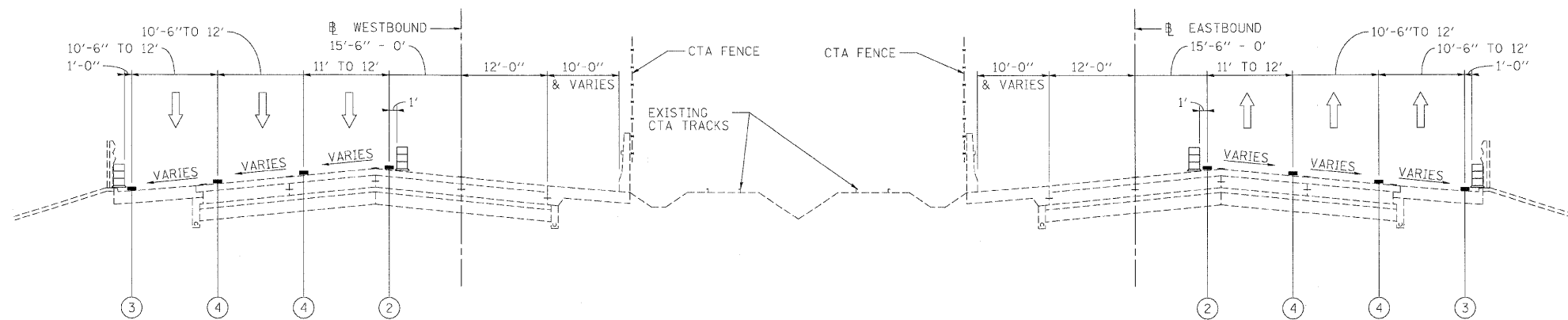
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 2**

SCALE: N.T.S. SHEET NO. 12 OF 28 SHEETS STA. TO STA.

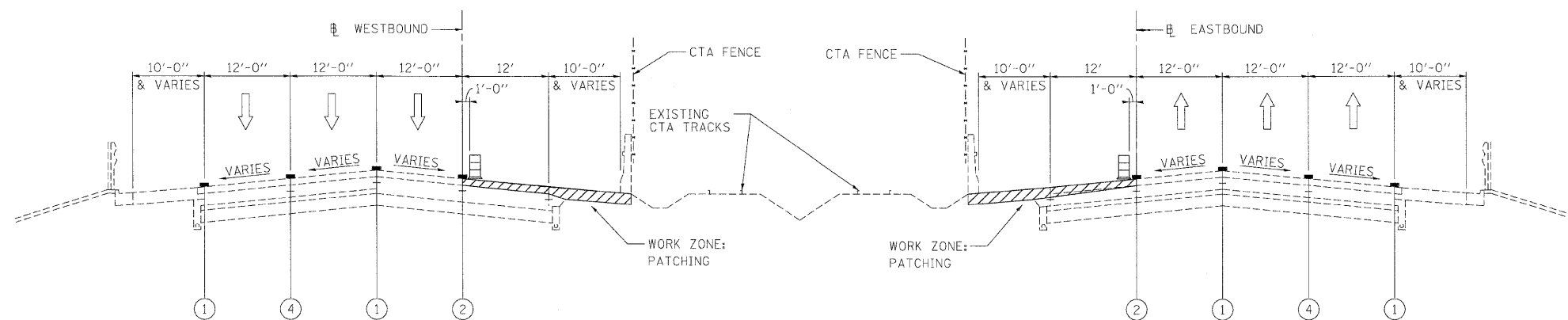
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	84
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G53	



WESTBOUND
STA 895+85 TO STA 901+30

I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 2

EASTBOUND
STA 895+85 TO STA 901+30



WESTBOUND
STA 901+30 TO STA 1029+60

I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 2

EASTBOUND
STA 901+30 TO STA 1029+75*

* END DRUMS AND OPEN LEFT LANE AT STA. 1185+00
STA. 1185+00 TO 1214+90 : EXISTING CONFIGURATION

LEGEND

- ① EXISTING PAVEMENT MARKING
- ② WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (YELLOW)
- ③ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (WHITE)
- ④ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 5 INCH (WHITE)
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 6" (YELLOW) (ON BARRIER)
- ⑥ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE) (ON BARRIER)
- ⑦ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 8 INCH (WHITE)
- TEMPORARY CONCRETE BARRIER
- TYPE II BARRIER, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- WORK ZONE

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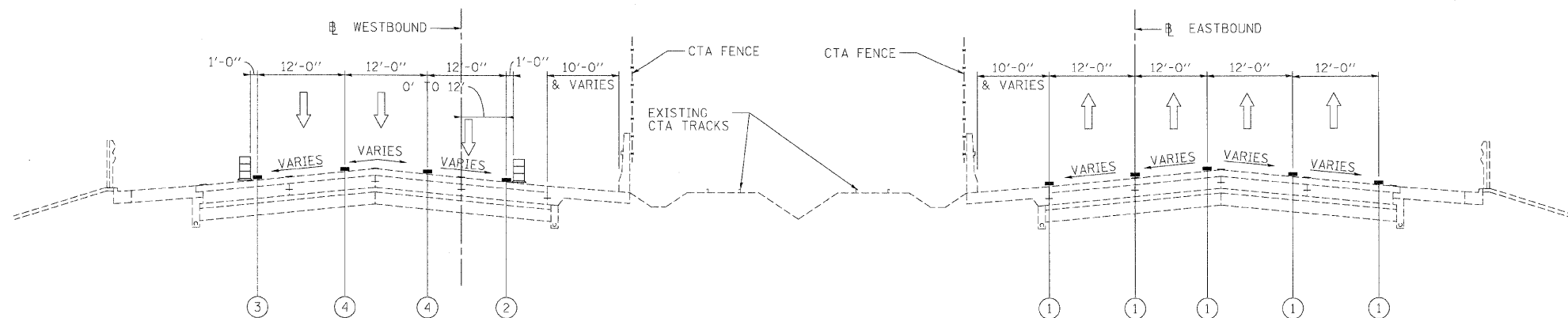
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 2

SCALE: N.T.S. SHEET NO. 13 OF 28 SHEETS STA. TO STA.

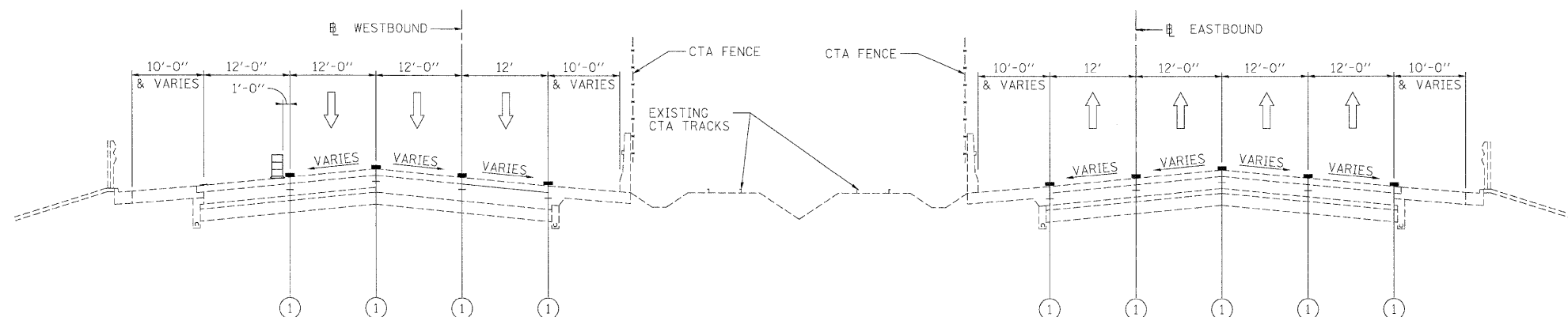
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	85
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60C53	



WESTBOUND
STA 1029+60 TO STA 1035+00

**I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 2**

EASTBOUND
STA 1029+75 TO STA 1035+00



WESTBOUND
STA 1035+00 TO STA 1059+30

**I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 2**

EASTBOUND
STA 1035+00 TO STA 1059+30

LEGEND

- ① EXISTING PAVEMENT MARKING
- ② WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (YELLOW)
- ③ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (WHITE)
- ④ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 5 INCH (WHITE)
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 6" (YELLOW) (ON BARRIER)
- ⑥ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE) (ON BARRIER)
- ⑦ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 8 INCH (WHITE)
- TEMPORARY CONCRETE BARRIER
- TYPE II BARRIER, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- WORK ZONE

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

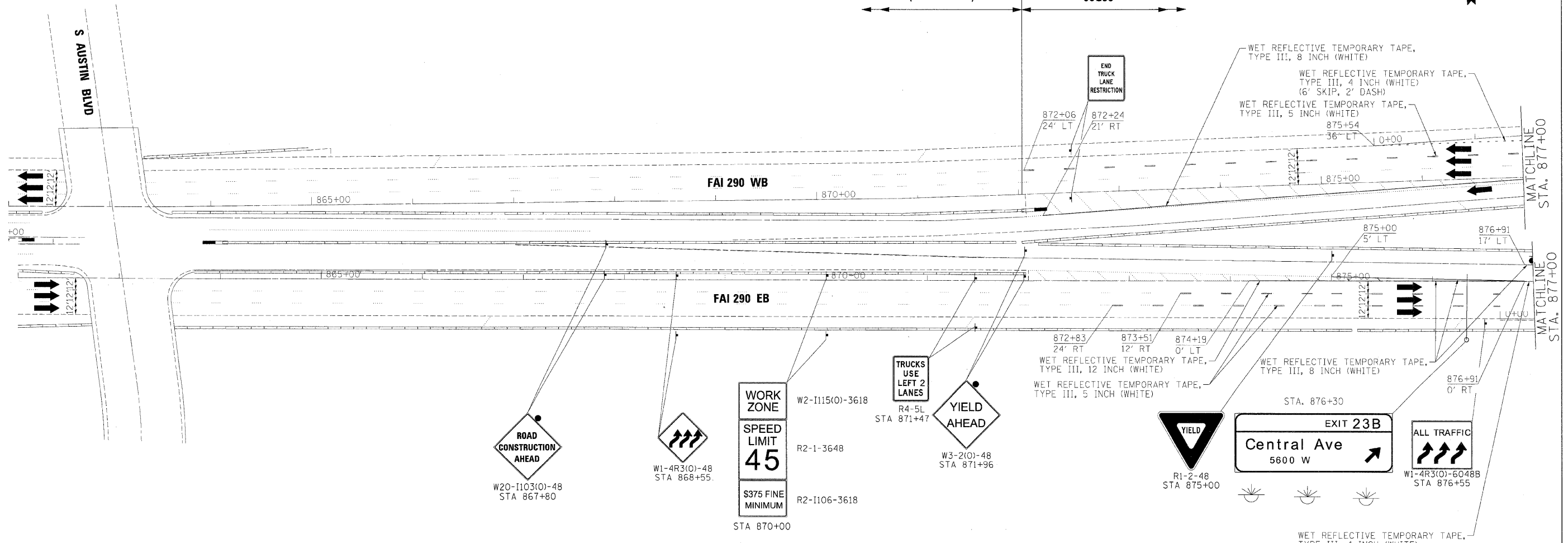
**MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 2**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031, IRS-6	COOK	185	85A
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	



CONTRACT 60G52 (BY OTHERS) CONTRACT 60G53



LEGEND:

	TEMPORARY SIGN PANELS
	WORK ZONE
	TRAFFIC ARROW
	FLASHING ARROW BOARD
	TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATORS
	TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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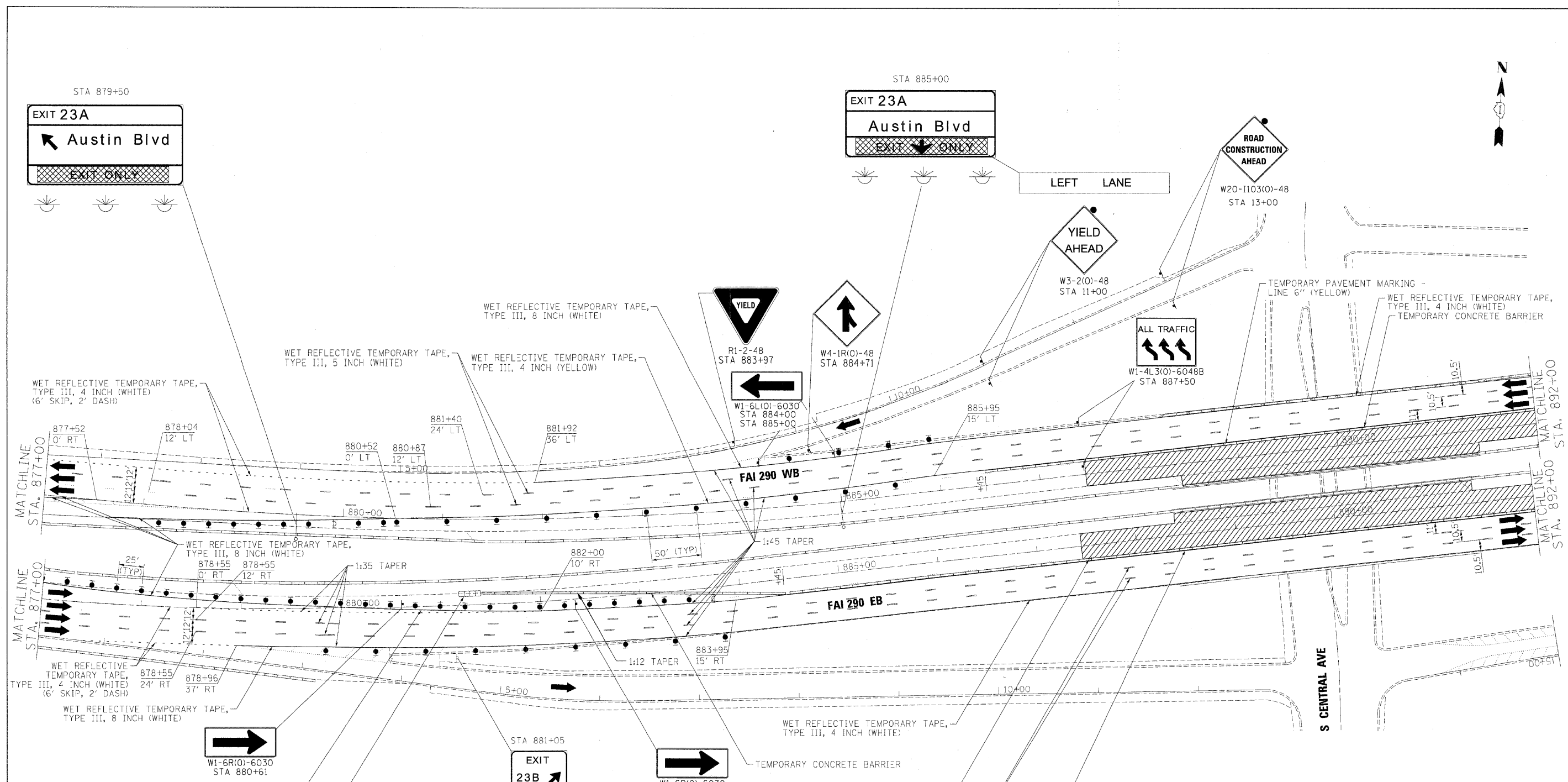
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 14 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	86
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



LEGEND:

	TEMPORARY SIGN PANELS
	WORK ZONE
	TRAFFIC ARROW
	FLASHING ARROW BOARD
	TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATORS
	TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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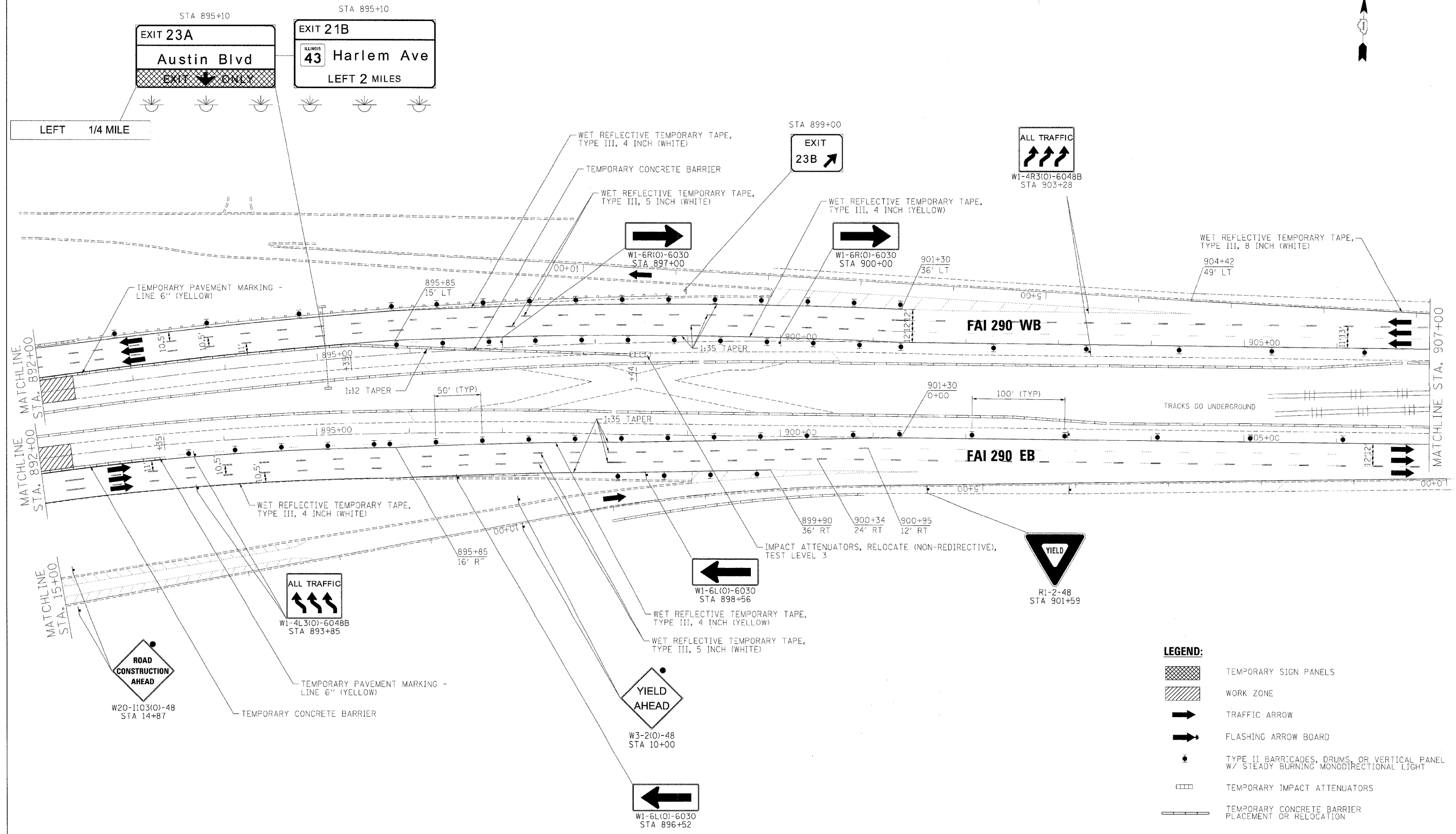
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 15 OF 28 SHEETS STA. TO STA.

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	87
CONTRACT NO. 60G53			ILLINOIS FED. AID PROJECT	



LEGEND:

- TEMPORARY SIGN PANELS
- WORK ZONE
- TRAFFIC ARROW
- FLASHING ARROW BOARD
- TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
- TEMPORARY IMPACT ATTENUATORS
- TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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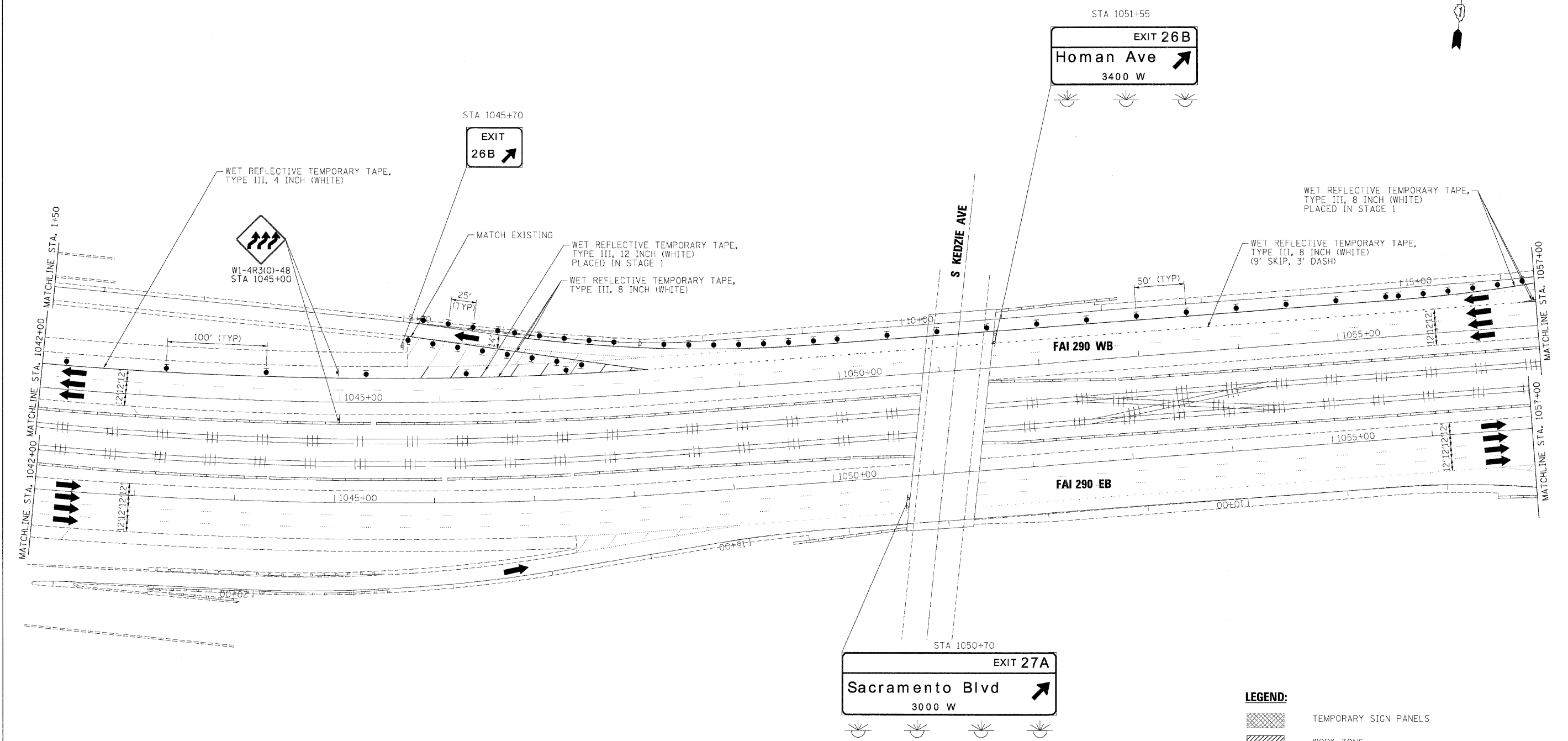
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 16 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1RS-6	COOK	185	88
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 60053



- LEGEND:**
-  TEMPORARY SIGN PANELS
 -  WORK ZONE
 -  TRAFFIC ARROW
 -  FLASHING ARROW BOARD
 -  TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 -  TEMPORARY IMPACT ATTENUATORS
 -  TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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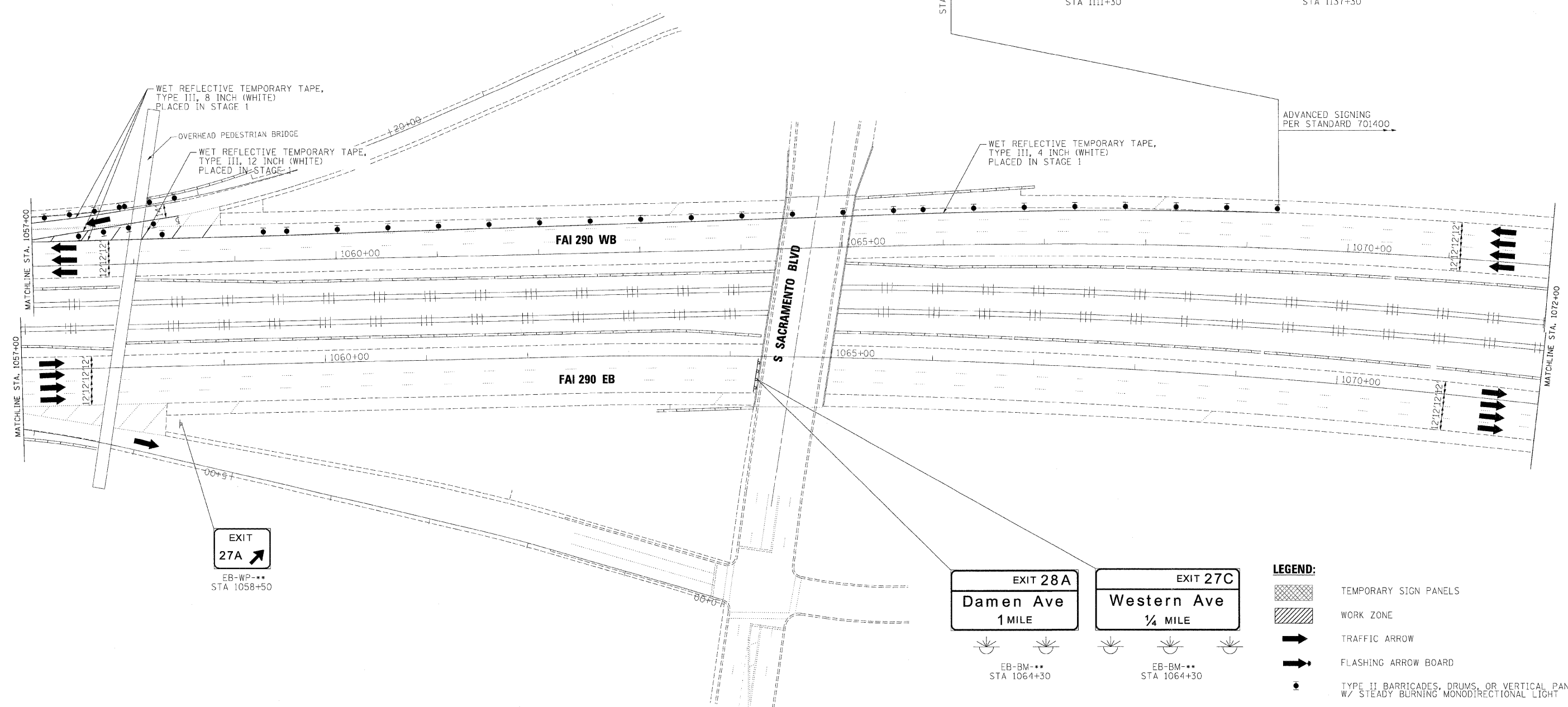
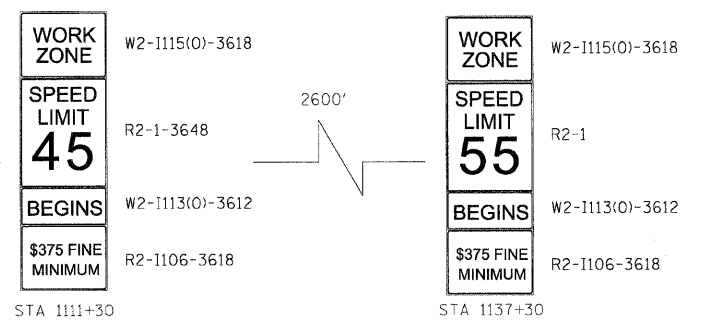
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1RS-6	COOK	185	88J
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G53	



- LEGEND:**
- TEMPORARY SIGN PANELS
 - WORK ZONE
 - TRAFFIC ARROW
 - FLASHING ARROW BOARD
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 - TEMPORARY IMPACT ATTENUATORS
 - TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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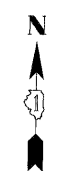
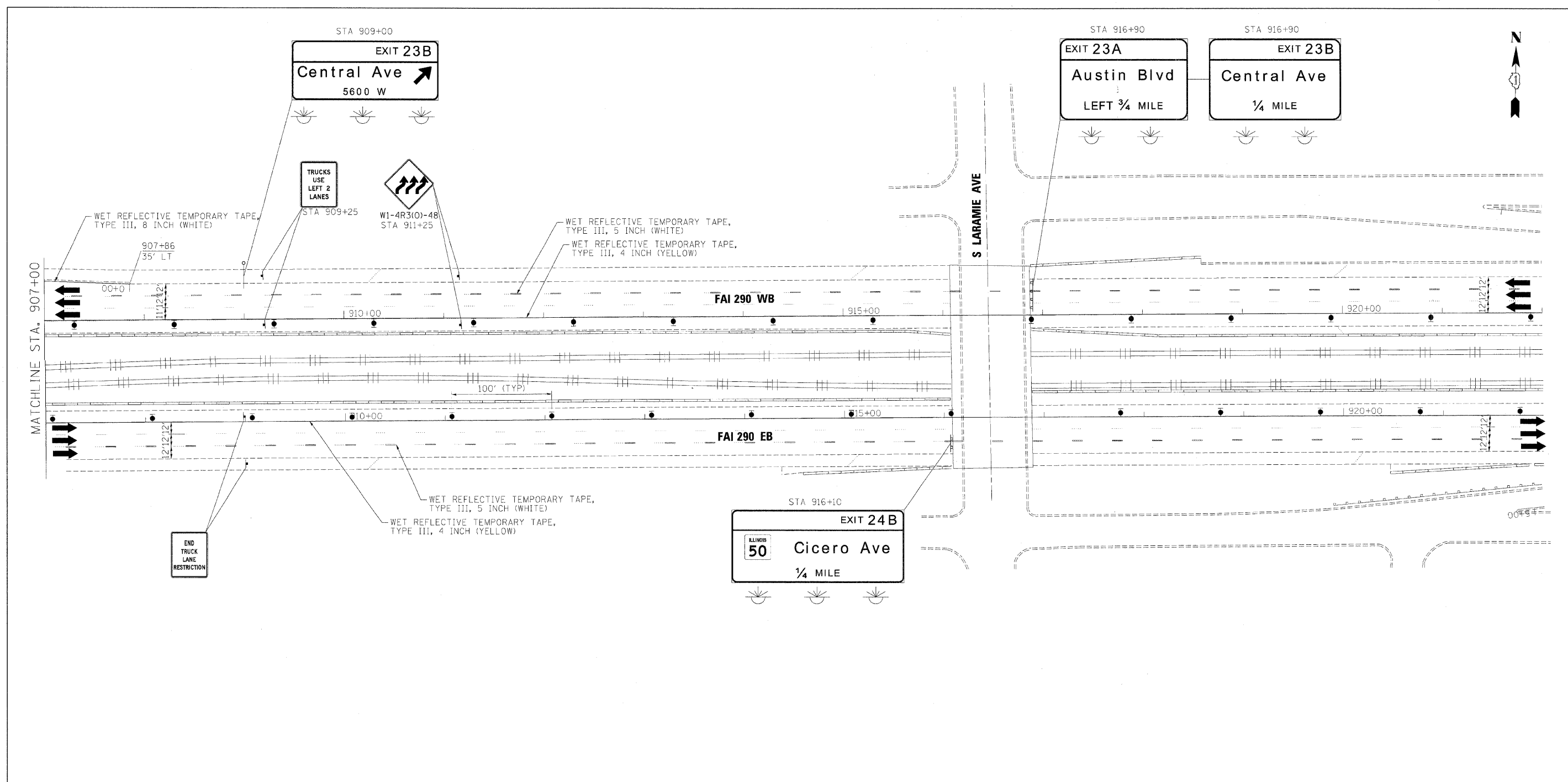
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	88K
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60C53	



LEGEND:

	TEMPORARY SIGN PANELS
	WORK ZONE
	TRAFFIC ARROW
	FLASHING ARROW BOARD
	TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATORS
	TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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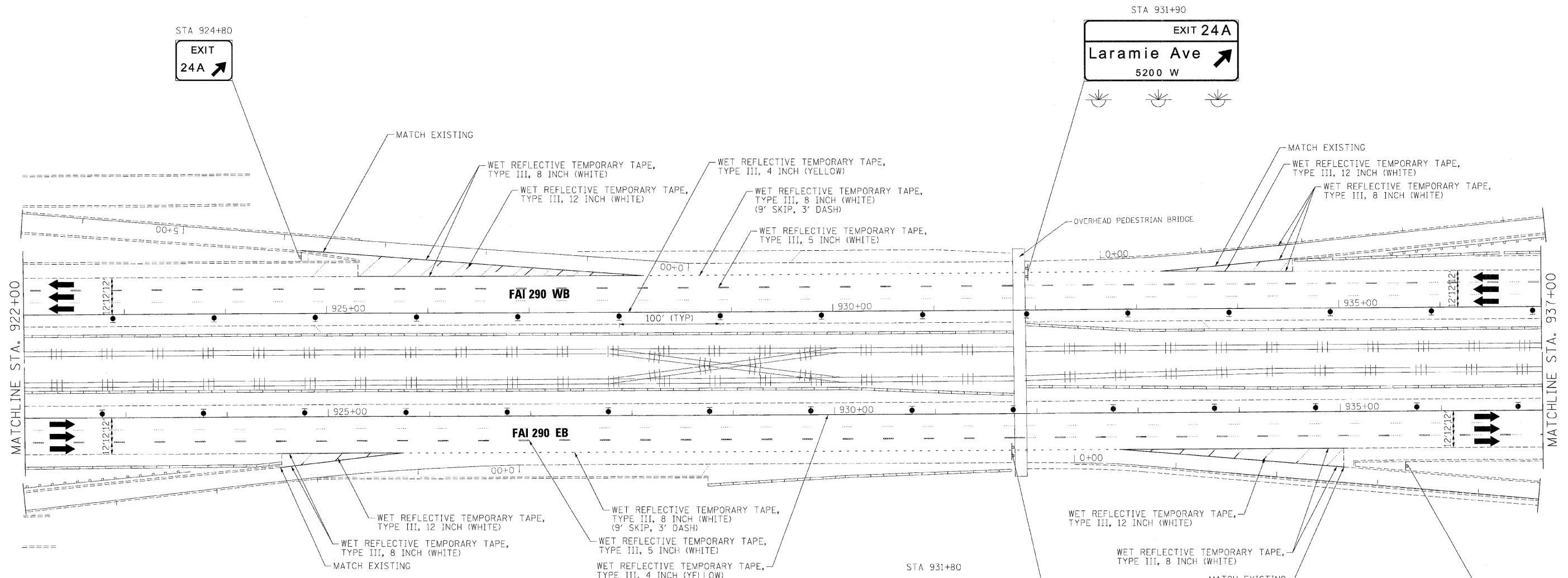
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(28288,D, ETC., 3031.DRS-6	COOK	185	88A
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



LEGEND:

- TEMPORARY SIGN PANELS
- WORK ZONE
- TRAFFIC ARROW
- FLASHING ARROW BOARD
- TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
- TEMPORARY IMPACT ATTENUATORS
- TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

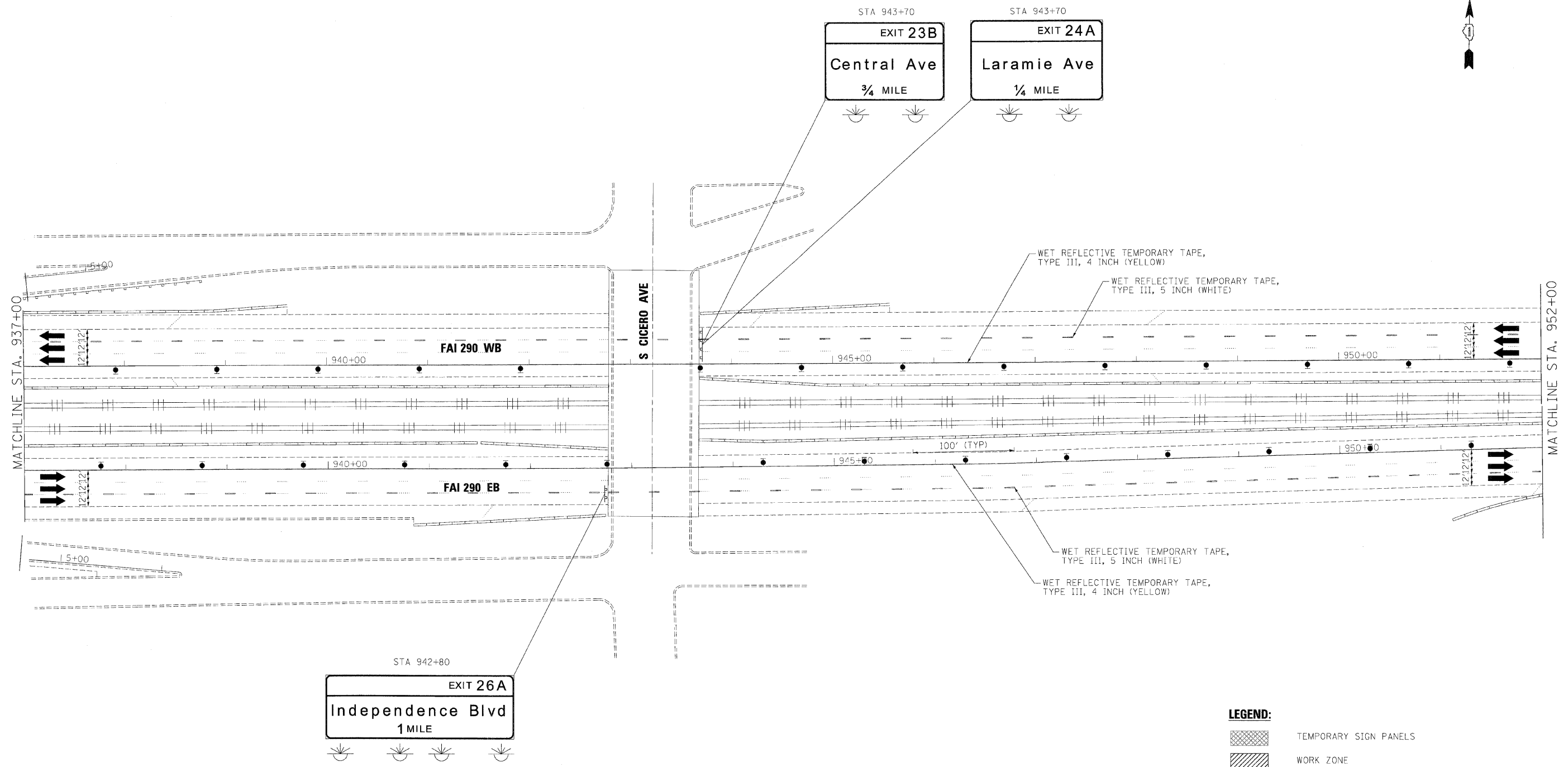
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN - STAGE 2			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	88B
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



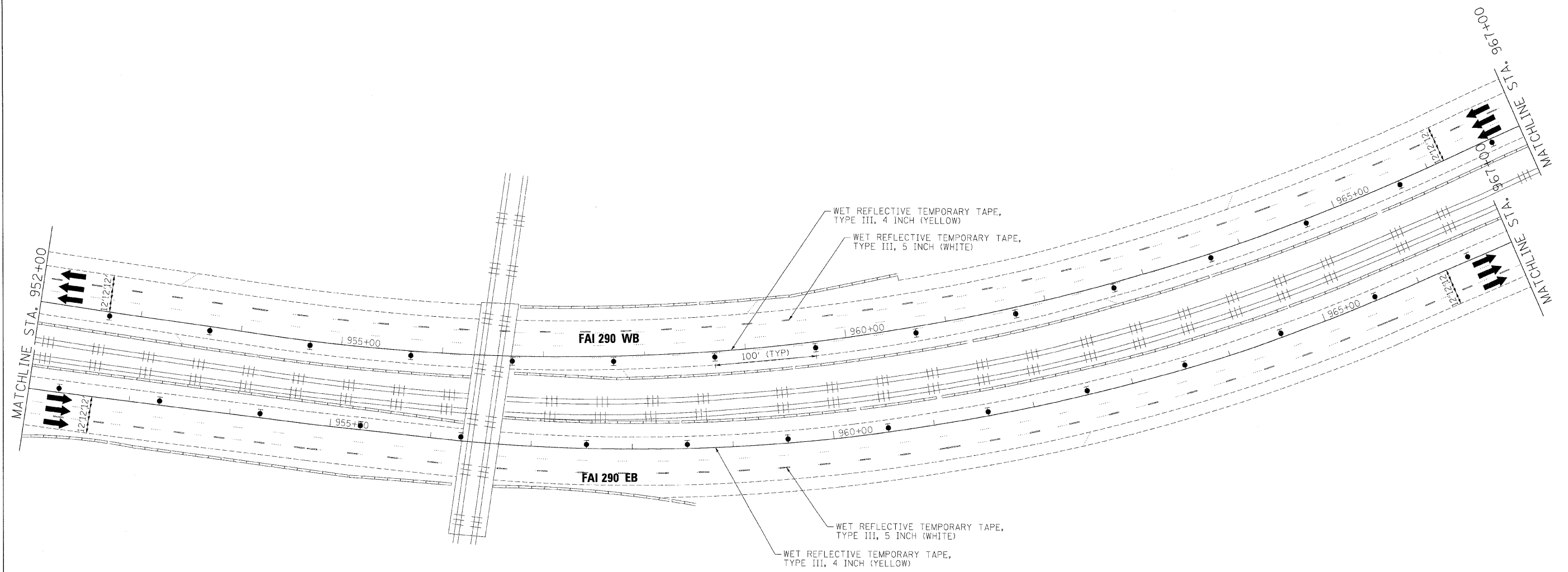
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -








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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN - STAGE 2			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.IRS-6	COOK	185	88C
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	



- LEGEND:**
-  TEMPORARY SIGN PANELS
 -  WORK ZONE
 -  TRAFFIC ARROW
 -  FLASHING ARROW BOARD
 -  TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 -  TEMPORARY IMPACT ATTENUATORS
 -  TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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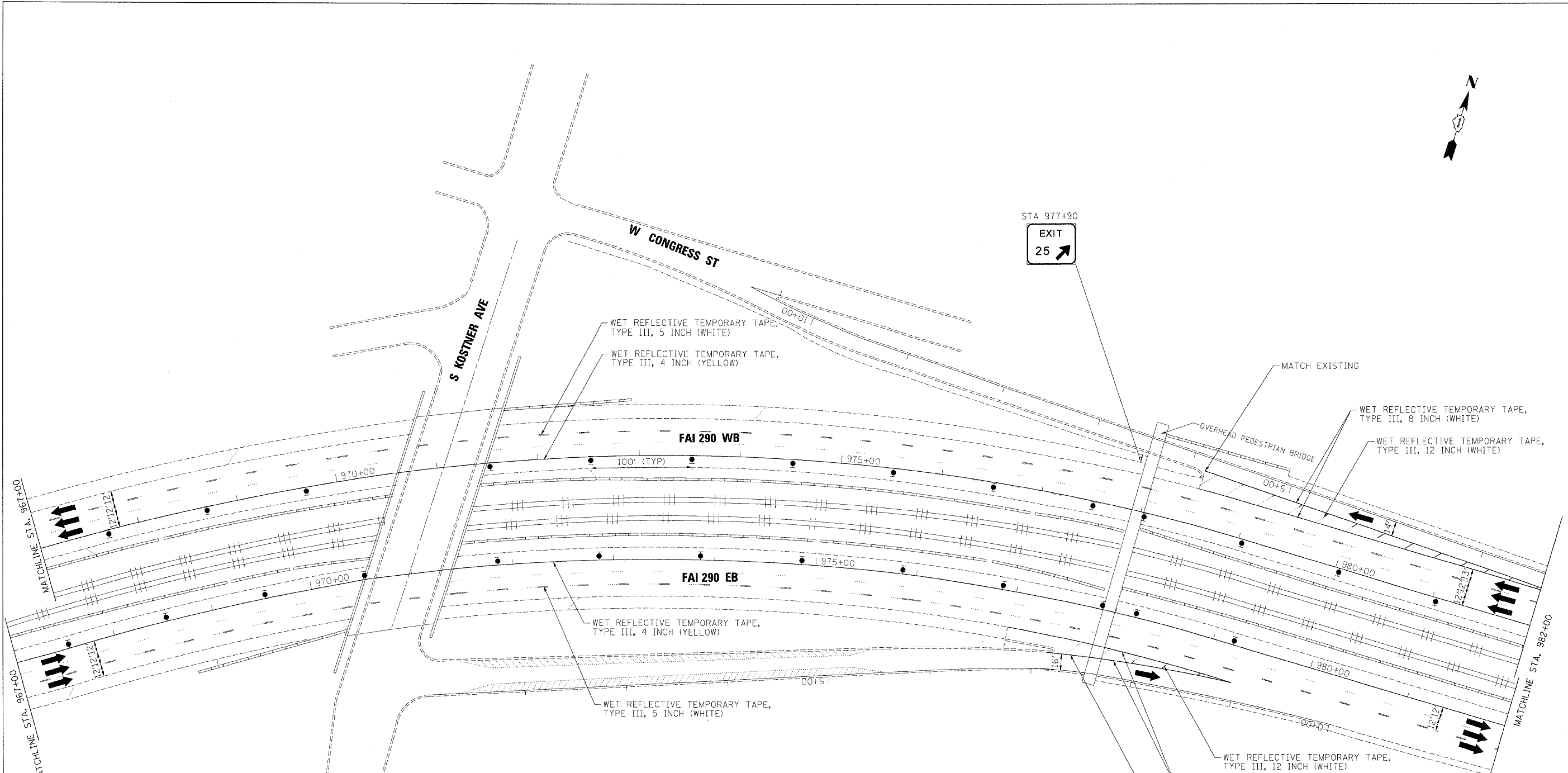
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	88D
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



- LEGEND:**
- TEMPORARY SIGN PANELS
 - WORK ZONE
 - TRAFFIC ARROW
 - FLASHING ARROW BOARD
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 - TEMPORARY IMPACT ATTENUATORS
 - TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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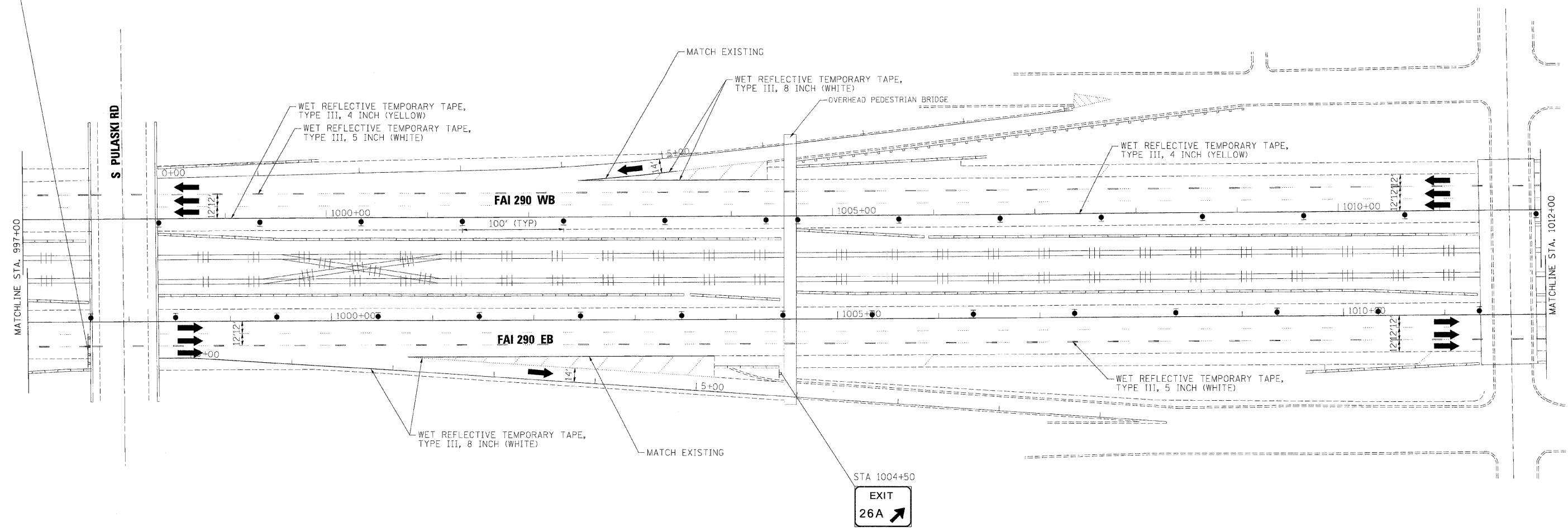
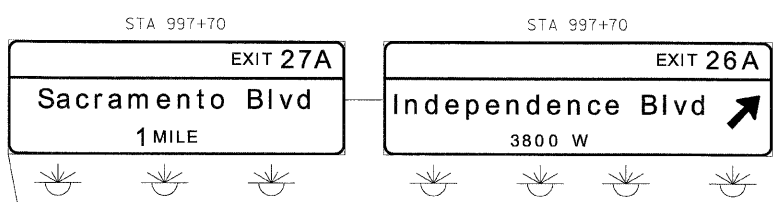
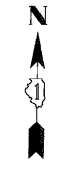
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B,D, ETC., 3031,IRS-6		COOK	185	88E
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



- LEGEND:**
- TEMPORARY SIGN PANELS
 - WORK ZONE
 - TRAFFIC ARROW
 - FLASHING ARROW BOARD
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 - TEMPORARY IMPACT ATTENUATORS
 - TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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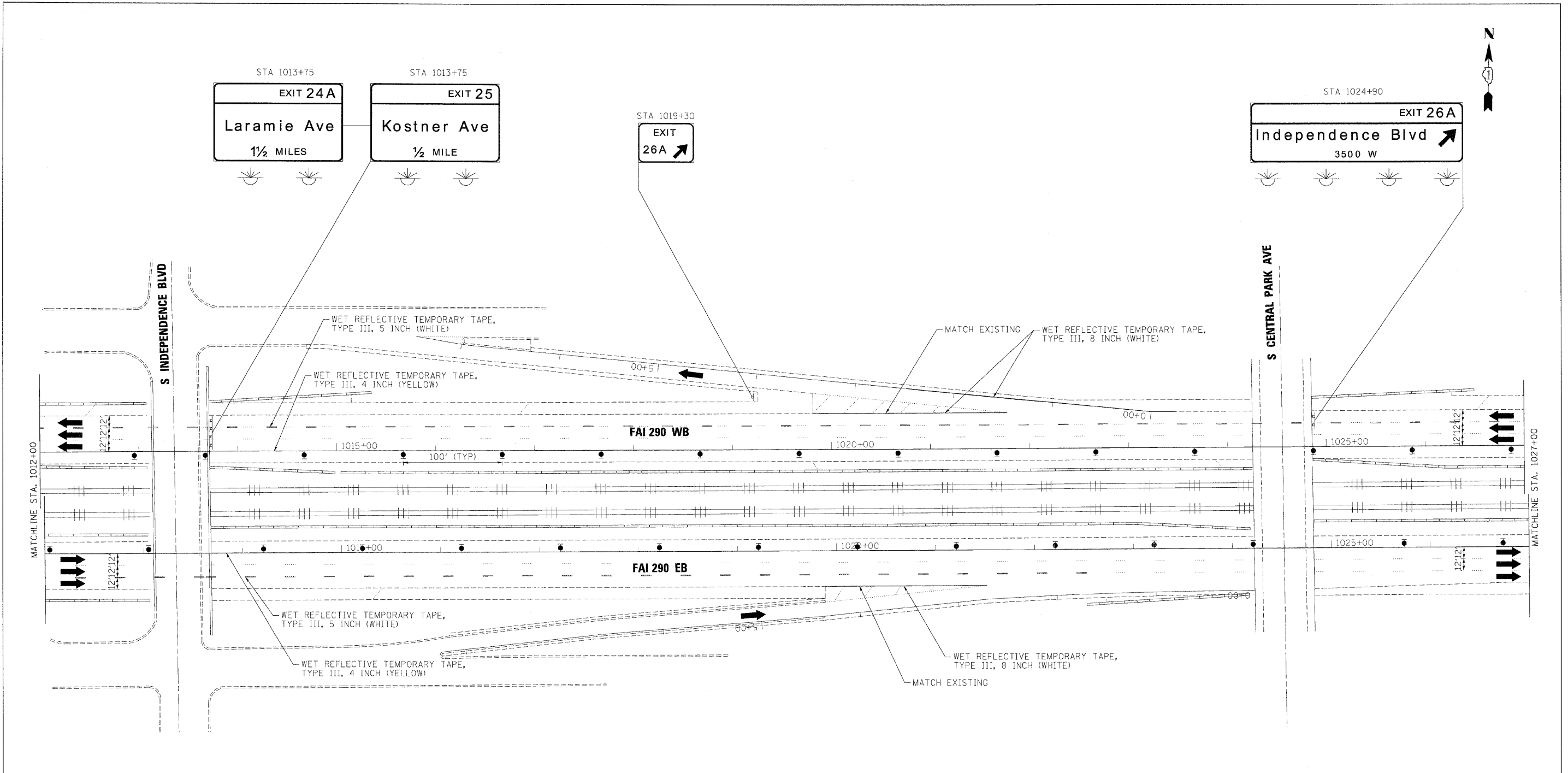
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	88G
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60G53				



LEGEND:

	TEMPORARY SIGN PANELS
	WORK ZONE
	TRAFFIC ARROW
	FLASHING ARROW BOARD
	TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATORS
	TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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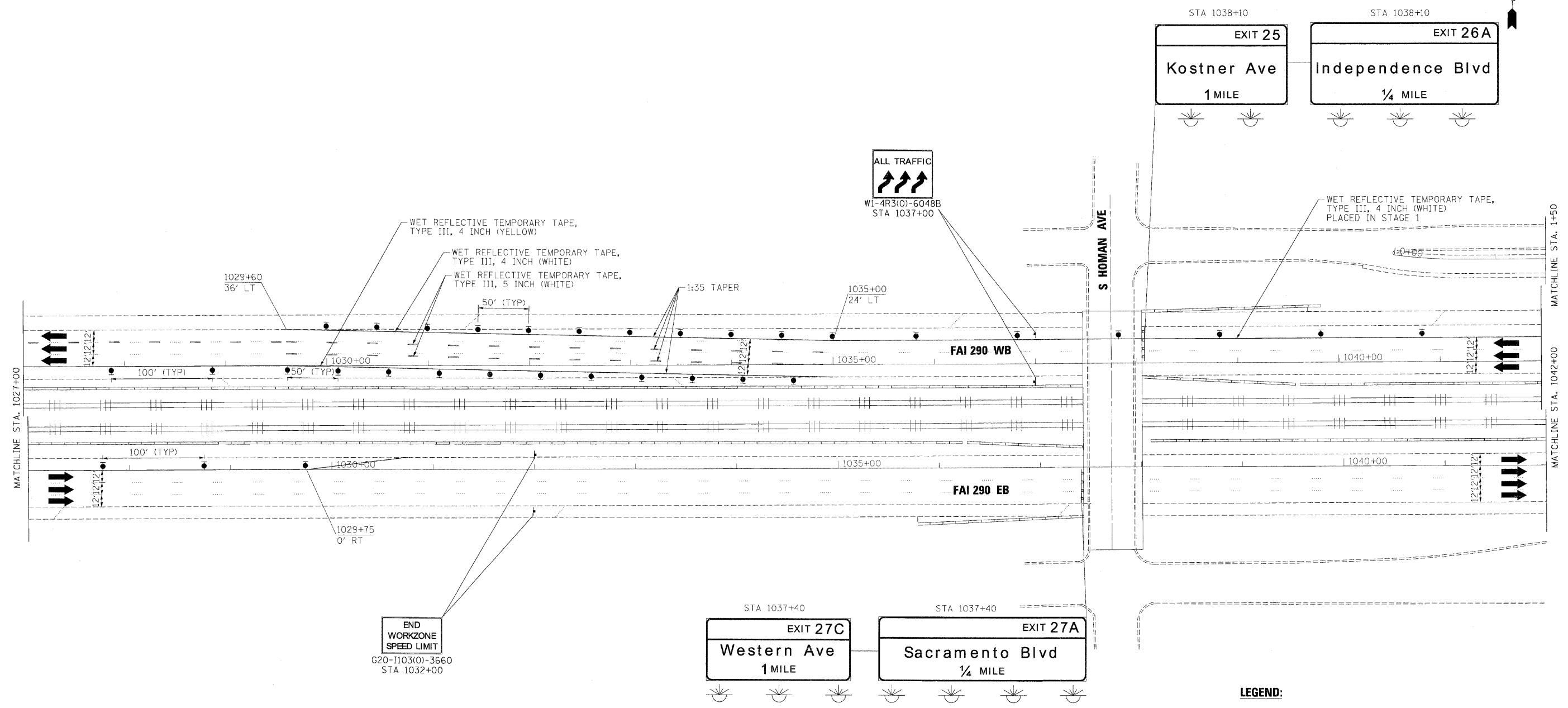
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

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

F.A.T. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,IRS-6	COOK	185	88H
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



- LEGEND:**
- TEMPORARY SIGN PANELS
 - WORK ZONE
 - TRAFFIC ARROW
 - FLASHING ARROW BOARD
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 - TEMPORARY IMPACT ATTENUATORS
 - TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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benesch

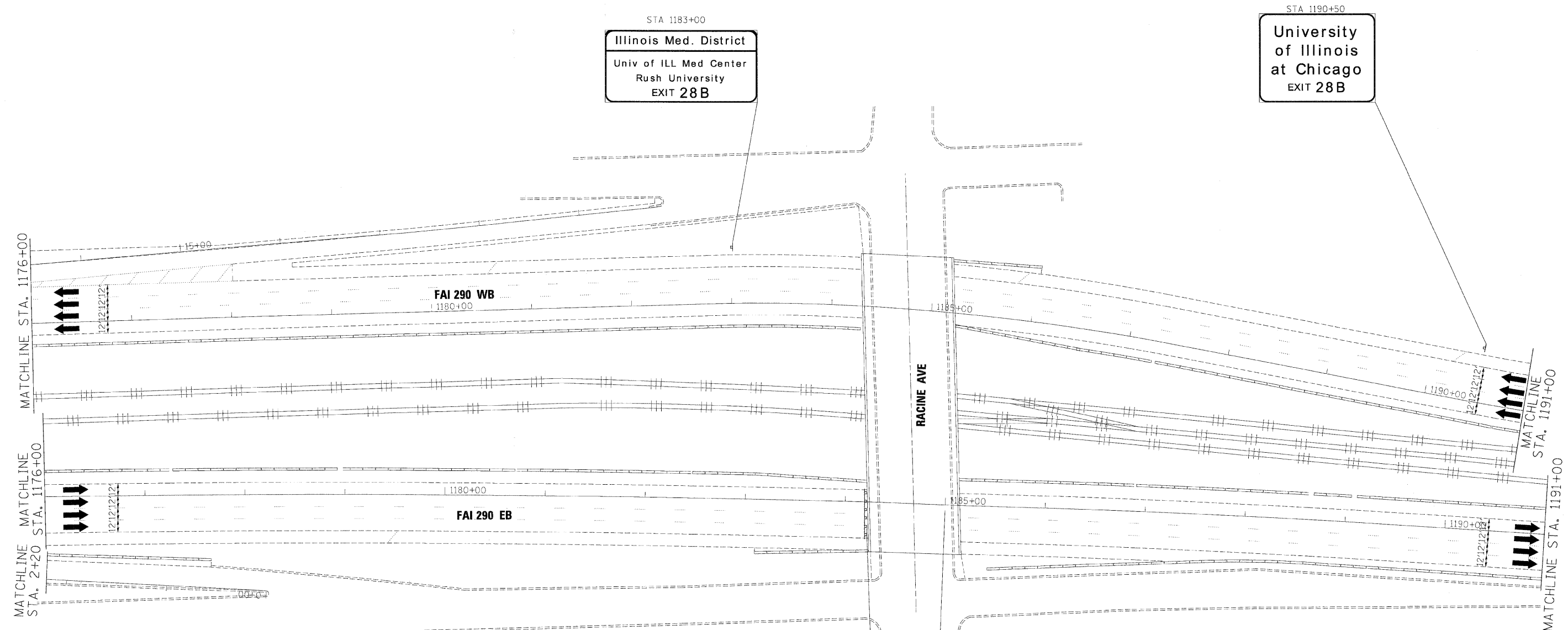
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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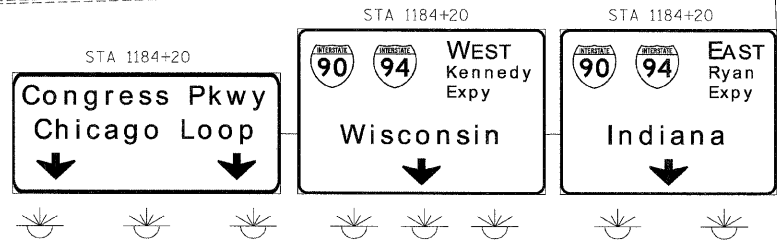
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290	(2828B,D, ETC., 3031,IRS-6	COOK	185	881
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60G53				

FOR INFORMATION ONLY



STA 1183+00
Illinois Med. District
 Univ of ILL Med Center
 Rush University
EXIT 28 B

STA 1190+50
University of Illinois at Chicago
EXIT 28 B



- LEGEND:**
- TEMPORARY SIGN PANELS
 - WORK ZONE
 - TRAFFIC ARROW
 - FLASHING ARROW BOARD
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 - TEMPORARY IMPACT ATTENUATORS
 - TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

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benesch

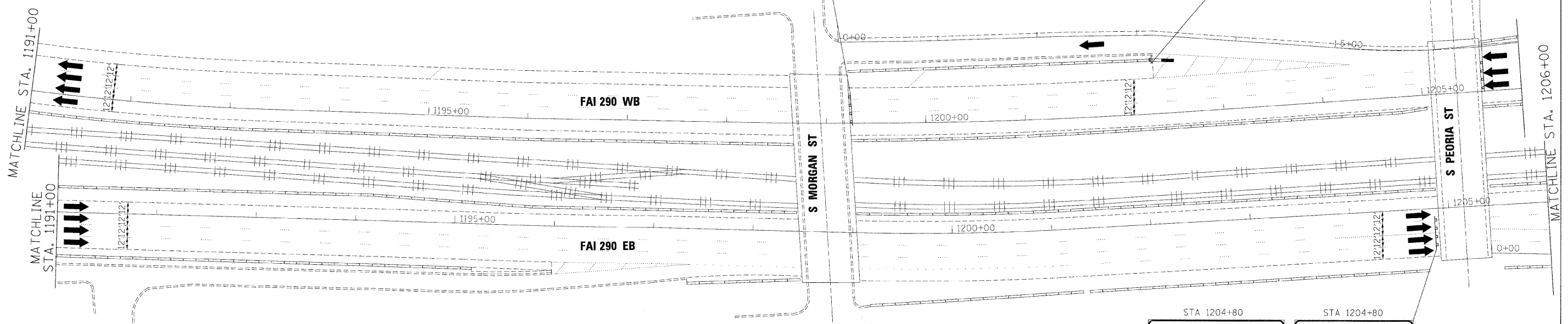
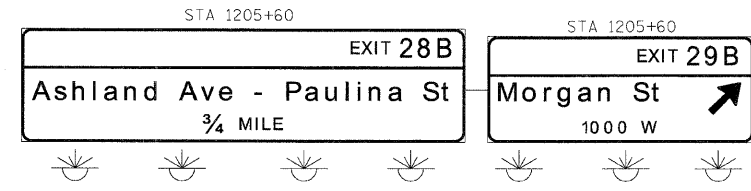
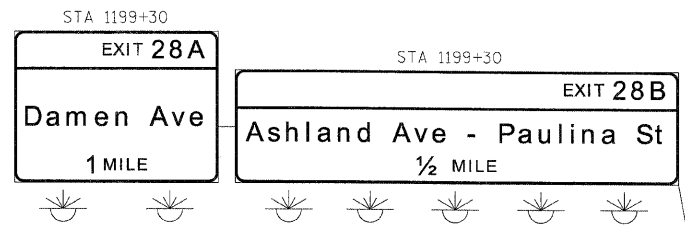
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PLAN - STAGE 2

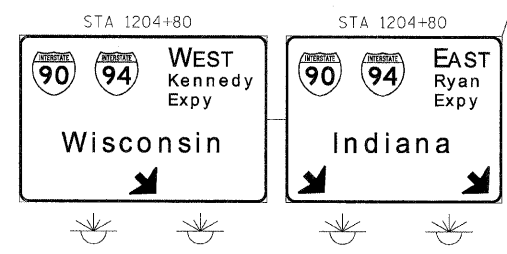
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B,D, ETC., 3031, IRS-6)		COOK	185	89
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	

FOR INFORMATION ONLY



- LEGEND:**
- TEMPORARY SIGN PANELS
 - WORK ZONE
 - TRAFFIC ARROW
 - FLASHING ARROW BOARD
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
 - TEMPORARY IMPACT ATTENUATORS
 - TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION



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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch








**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

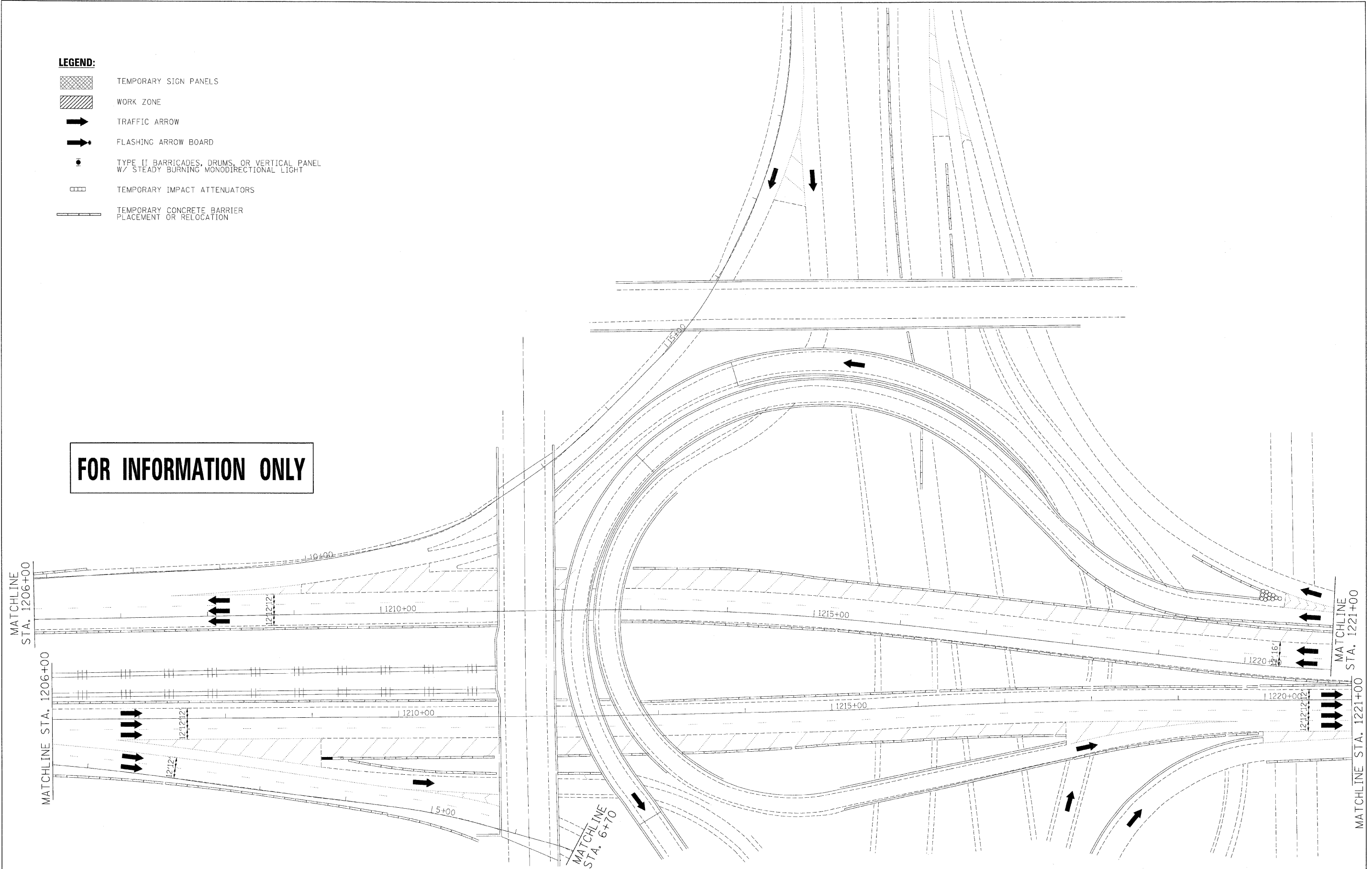
SCALE: 1"=50' SHEET NO. 18 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1)RS-6	COOK	185	90
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	

LEGEND:

-  TEMPORARY SIGN PANELS
-  WORK ZONE
-  TRAFFIC ARROW
-  FLASHING ARROW BOARD
-  TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
-  TEMPORARY IMPACT ATTENUATORS
-  TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

FOR INFORMATION ONLY



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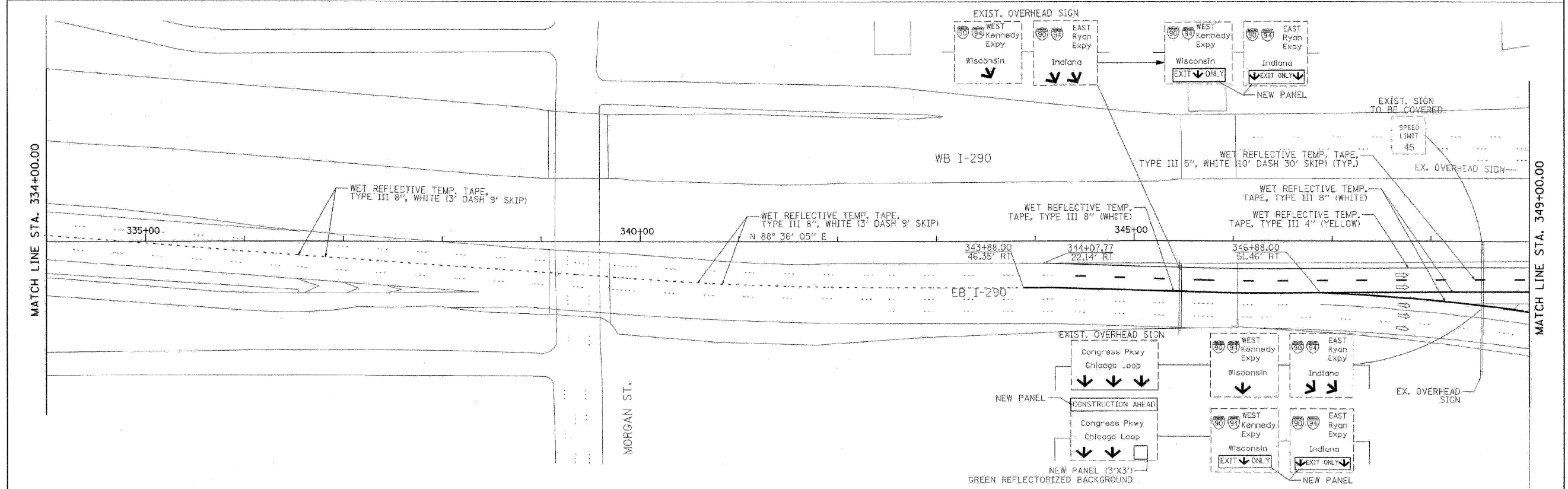
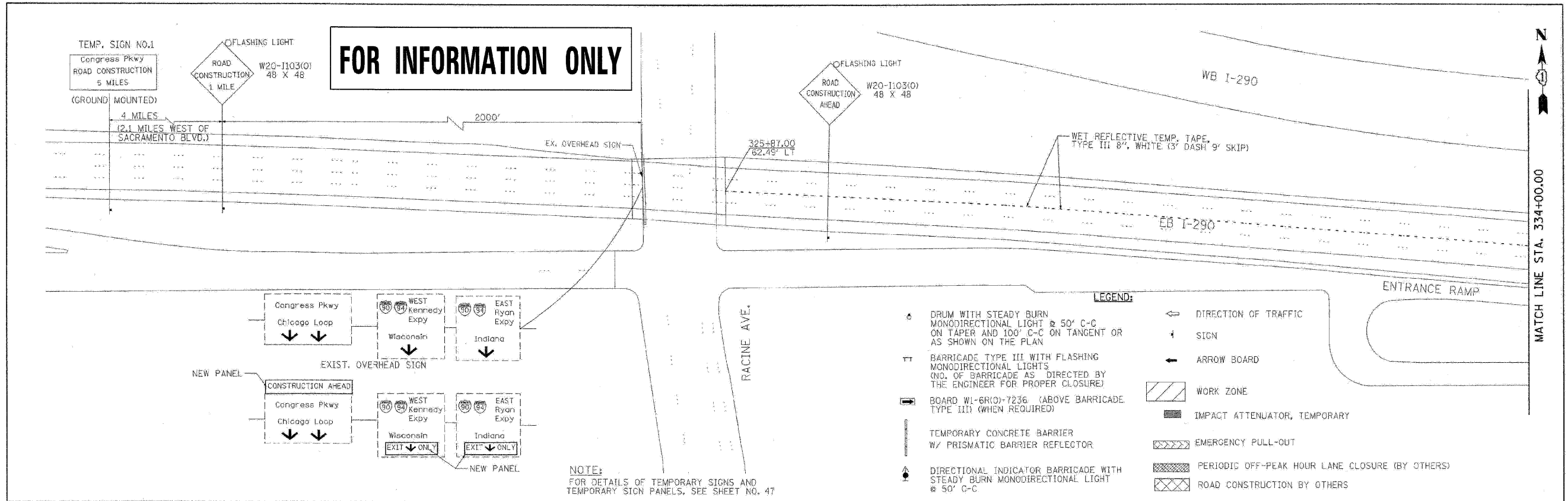
benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PLAN - STAGE 2

SCALE: 1"=50' SHEET NO. 19 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	12828B,D, ETC., 3031.1RS-6	COOK	185	91
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



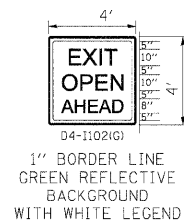
PB Americas, Inc. 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606	USER NAME = #USER#	DESIGNED - DM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS - STAGE I	F.A.P. RTE. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 34	
	FILE NAME = #FILENAME#	DRAWN - MS	REVISED -			SCALE: 1" = 50'	SHEET NO. 34 OF 83 SHEETS	STA. 377+01.00 TO STA. 382+45.28	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60D61
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	PLOT DATE = 5/7/2009	DATE - 5/08/09	REVISED -								

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USER NAME = tblank	CHECKED - JJT	REVISED -				SCALE: 1" = 50'	SHEET NO. 20 OF 28 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	CONTRACT NO. 60C53
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -								

STAGE III

STAGE III NOTES

1. SEQUENCE OF CONSTRUCTION: PAVEMENT PATCHING, HMA SURFACE REMOVAL AND PROPOSED HMA COURSES AS DETAILED IN EACH OPERATION SECTION. WORK CAN OCCUR CONCURRENTLY, BUT SEQUENCE SHALL BE MAINTAINED AND NOT CONFLICT. RAMP WORK WILL BE COMPLETED USING DISTRICT DETAIL TC-8 - FREEWAY AND EXIT RAMP CLOSURE DETAILS.
2. LANE AND RAMP CLOSURES ALLOWED AS STIPULATED IN THE SPECIAL PROVISIONS. CONTRACTOR MAY NOT CLOSE ADJACENT EXIT OR ENTRANCE RAMP AT THE SAME TIME.
3. SURFACE REMOVAL AND RESURFACING OPERATIONS SHALL NOT BEGIN UNTIL STAGE II IS COMPLETED.
4. LANE CLOSURES PER STANDARDS 701400, 701401 AND 701446.
5. REDUCE LANE WIDTH USING 35:1 TAPER PER DISTRICT DETAIL TC-9 - TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE, A W5-1 (48 X 48) ROAD NARROWS SIGN WILL BE ERECTED 500' IN ADVANCE OF THE TAPER.
6. THE CONTRACTOR SHALL ERECT ROAD CONSTRUCTION AHEAD SIGNS (W20-110310-48) WITH FLASHING BEACON ON ALL ARTERIAL ROADWAYS APPROACHING INTERCHANGE RAMP.
7. GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 2".
8. PARTIAL MILLING OF PAVEMENT FOR AN OPERATION WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE PAID FOR AT THE FINAL MILLING THICKNESS SHOWN ON THE TYPICAL SECTIONS.
9. EPOXY PAVEMENT MARKING LINES SHALL BE USED FOR TEMPORARY PAVEMENT MARKINGS.
10. REMOVAL OF EXISTING PAVEMENT MARKING, WHEN REQUIRED, SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL."
11. EXISTING OR TEMPORARY PAVEMENT MARKINGS REMOVED DURING MILLING OPERATIONS WILL NOT BE PAID FOR SEPARATELY.
12. CASTINGS EXPOSED IN TRAVEL LANES SHALL BE PROTECTED PER APPLICABLE PORTIONS OF ARTICLE 603.07 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE VARIOUS HMA/SMA BINDER AND SURFACE COURSES PLACED.
13. OMIT STAGE III OPERATIONS THROUGH BRIDGE AND CONCRETE SECTIONS.
14. SIGNS SHALL BE INSTALLED AS INSTRUCTED BELOW.



SIGN SHALL BE INSTALLED ON BOTH SIDES OF THE ROADWAY 500' IN ADVANCE OF AREAS WHERE THERE IS A GRADE DIFFERENTIAL BETWEEN LANES, AFTER EACH ENTRANCE RAMP AND A MINIMUM OF EVERY MILE.

15. THE CONTRACTOR SHALL COORDINATE THE ROADWAY AND STRUCTURAL WORK SO BITUMINOUS MATERIALS ARE NOT TRACKED ON THE BRIDGE DECKS BEFORE BEING SEALED.
16. "EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS" SHALL BE INSTALLED ON MAINLINE ROADWAY DURING STAGE III OPERATIONS, IN LOCATIONS WHERE LETTERS/SYMBOLS PAVEMENT MARKINGS EXIST PRIOR TO SURFACE REMOVAL.
17. WORK ZONE SPEED LIMIT SIGNS SHALL REMAIN IN PLACE UNTIL ALL BINDER IS PLACED.

LEGEND

- ① EXISTING PAVEMENT MARKING
- ② EPOXY PAVEMENT MARKING - LINE 5" (WHITE 10' DASH, 30' SKIP)
- ③ EPOXY PAVEMENT MARKING - LINE 4" (YELLOW LEFT & WHITE RIGHT)
- ④ PROPOSED PAVEMENT MARKING. SEE PAVEMENT MARKING PLANS.
- TYPE II BARRIER, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- BITUMINOUS SURFACE REMOVAL
- HMA/SMA BINDER AND SURFACE COURSES

NOTE

PATCHING TO BE COMPLETED IN STAGES 1 AND 2 UNDER PERMANENT LANE CLOSURES. ANY PATCHING NOT COMPLETED IN STAGES 1 AND 2 SHALL BE COMPLETED UNDER WEEKEND CLOSURES USING DISTRICT 1 DETAIL TC-25 TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE AND SHOULDER LANE CLOSURE. THE CLASS OF CONCRETE FOR CLASS A PATCHES SHALL BE PP-3 OR HIGHER.

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 3				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...pp\in-ABC_C2_m1_not_top.st.3.plt.dgn	DRAWN - DMS	REVISED -			290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	94				
USER NAME = tblank	CHECKED - CAR	REVISED -			CONTRACT NO. 60653								
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT								
SCALE:					SHEET NO. 22 OF 28 SHEETS	STA.	TO STA.						

STAGE III

STAGE III NOTES

- SEQUENCE OF CONSTRUCTION: PAVEMENT PATCHING, HMA SURFACE REMOVAL AND PROPOSED HMA COURSES AS DETAILED IN EACH OPERATION SECTION. WORK CAN OCCUR CONCURRENTLY, BUT SEQUENCE SHALL BE MAINTAINED AND NOT CONFLICT. RAMP WORK WILL BE COMPLETED USING DISTRICT DETAIL TC-8 - FREEWAY AND EXIT RAMP CLOSURE DETAILS.
- LANE AND RAMP CLOSURES ALLOWED AS STIPULATED IN THE SPECIAL PROVISIONS. CONTRACTOR MAY NOT CLOSE ADJACENT EXIT OR ENTRANCE RAMP AT THE SAME TIME.
- SURFACE REMOVAL AND RESURFACING OPERATIONS SHALL NOT BEGIN UNTIL STAGE II IS COMPLETED.
- LANE CLOSURES PER STANDARDS 701400, 701401 AND 701446.
- REDUCE LANE WIDTH USING 35:1 TAPER PER DISTRICT DETAIL TC-9 - TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE, A W5-1 (48 X 48) ROAD NARROWS SIGN WILL BE ERRECTED 500' IN ADVANCE OF THE TAPER.
- THE CONTRACTOR SHALL ERRECT ROAD CONSTRUCTION AHEAD SIGNS (W20-110310-48) WITH FLASHING BEACON ON ALL ARTERIAL ROADWAYS APPROACHING INTERCHANGE RAMP.
- GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 2".
- PARTIAL MILLING OF PAVEMENT FOR AN OPERATION WILL NOT BE PAID FOR SEPARATELY. BUT WILL BE PAID FOR AT THE FINAL MILLING THICKNESS SHOWN ON THE TYPICAL SECTIONS.
- EPOXY PAVEMENT MARKING LINES SHALL BE USED FOR TEMPORARY PAVEMENT MARKINGS.
- REMOVAL OF EXISTING PAVEMENT MARKING, WHEN REQUIRED, SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL."
- EXISTING OR TEMPORARY PAVEMENT MARKINGS REMOVED DURING MILLING OPERATIONS WILL NOT BE PAID FOR SEPARATELY.
- CASTINGS EXPOSED IN TRAVEL LANES SHALL BE PROTECTED PER APPLICABLE PORTIONS OF ARTICLE 603.07 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE VARIOUS HMA/SMA BINDER AND SURFACE COURSES PLACED.
- OMIT STAGE III OPERATIONS THROUGH BRIDGE AND CONCRETE SECTIONS.
- SIGNS SHALL BE INSTALLED AS INSTRUCTED BELOW.



1" BORDER LINE
GREEN REFLECTIVE
BACKGROUND
WITH WHITE LEGEND

SIGN SHALL BE INSTALLED
IN ADVANCE OF ALL OPEN/EXIT
RAMP WHEN THE RIGHT
LANES ARE CLOSED.

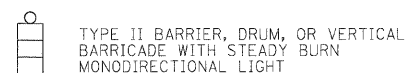


SIGN SHALL BE INSTALLED
ON BOTH SIDES OF THE ROADWAY
500' IN ADVANCE OF AREAS WHERE
THERE IS A GRADE DIFFERENTIAL
BETWEEN LANES, AFTER EACH
ENTRANCE RAMP AND A MINIMUM
OF EVERY MILE.

- THE CONTRACTOR SHALL COORDINATE THE ROADWAY AND STRUCTURAL WORK SO BITUMINOUS MATERIALS ARE NOT TRACKED ON THE BRIDGE DECKS BEFORE BEING SEALED.
- "EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS" SHALL BE INSTALLED ON MAINLINE ROADWAY DURING STAGE III OPERATIONS, IN LOCATIONS WHERE LETTERS/SYMBOLS PAVEMENT MARKINGS EXIST PRIOR TO SURFACE REMOVAL.
- WORK ZONE SPEED LIMIT SIGNS SHALL REMAIN IN PLACE UNTIL ALL BINDER IS PLACED.

LEGEND

- ① EXISTING PAVEMENT MARKING
- ② EPOXY PAVEMENT MARKING - LINE 5" (WHITE 10' DASH, 30' SKIP)
- ③ EPOXY PAVEMENT MARKING - LINE 4" (YELLOW LEFT & WHITE RIGHT)
- ④ PROPOSED PAVEMENT MARKING. SEE PAVEMENT MARKING PLANS.



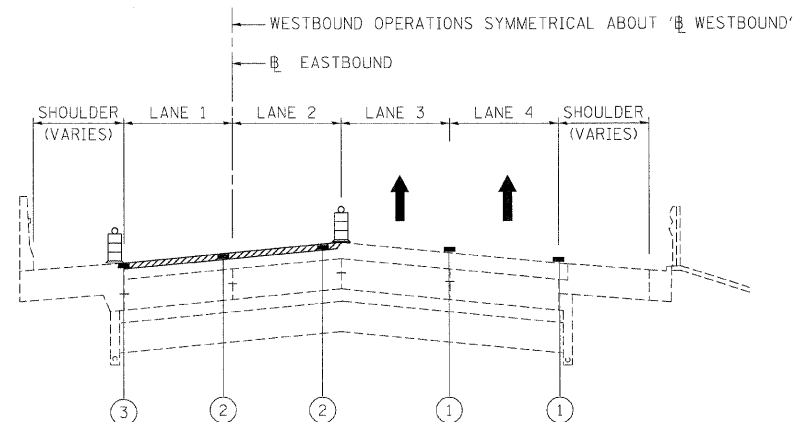
TYPE II BARRIER, DRUM, OR VERTICAL
BARRICADE WITH STEADY BURN
MONODIRECTIONAL LIGHT



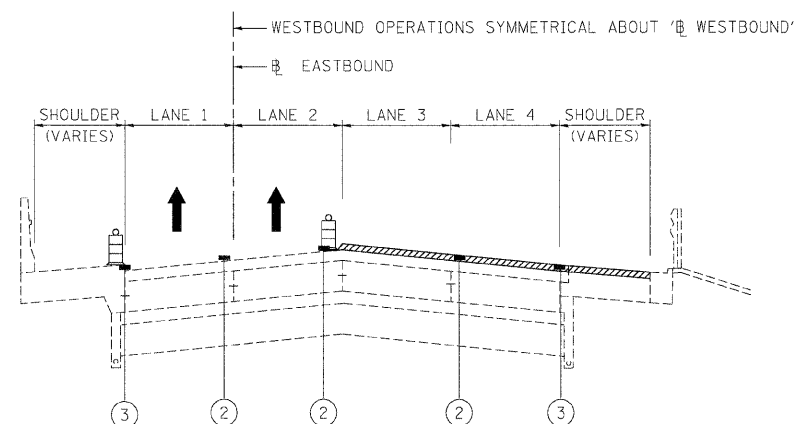
BITUMINOUS SURFACE REMOVAL



HMA/SMA BINDER AND SURFACE COURSES



STAGE III - OPERATION ONE - I-290
BITUMINOUS SURFACE REMOVAL 2" - LANES 1 & 2



STAGE III - OPERATION TWO - I-290
BITUMINOUS SURFACE REMOVAL 2" - LANES 3, 4, AUXILLARY LANE & SHOULDER

FILE NAME =	DESIGNED - CAG	REVISED -
...prpln_abc_c3_ml_mst_tgp.st.3.02.dgn	DRAWN - DMS	REVISED -
USER NAME = tblank	CHECKED - CAR	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 3**

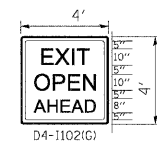
SCALE: SHEET NO. 23 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1RS-6	COOK	185	95
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	

STAGE III

STAGE III NOTES

1. SEQUENCE OF CONSTRUCTION: PAVEMENT PATCHING, HMA SURFACE REMOVAL AND PROPOSED HMA COURSES AS DETAILED IN EACH OPERATION SECTION. WORK CAN OCCUR CONCURRENTLY, BUT SEQUENCE SHALL BE MAINTAINED AND NOT CONFLICT. RAMP WORK WILL BE COMPLETED USING DISTRICT DETAIL TC-8 - FREEWAY AND EXIT RAMP CLOSURE DETAILS.
2. LANE AND RAMP CLOSURES ALLOWED AS STIPULATED IN THE SPECIAL PROVISIONS. CONTRACTOR MAY NOT CLOSE ADJACENT EXIT OR ENTRANCE RAMP AT THE SAME TIME.
3. SURFACE REMOVAL AND RESURFACING OPERATIONS SHALL NOT BEGIN UNTIL STAGE II IS COMPLETED.
4. LANE CLOSURES PER STANDARDS 701400, 701401 AND 701446.
5. REDUCE LANE WIDTH USING 35:1 TAPER PER DISTRICT DETAIL TC-9 - TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE, A W5-1 (48 X 48) ROAD NARROWS SIGN WILL BE ERRECTED 500' IN ADVANCE OF THE TAPER.
6. THE CONTRACTOR SHALL ERRECT ROAD CONSTRUCTION AHEAD SIGNS (W20-110310-48) WITH FLASHING BEACON ON ALL ARTERIAL ROADWAYS APPROACHING INTERCHANGE RAMP.
7. GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 2".
8. PARTIAL MILLING OF PAVEMENT FOR AN OPERATION WILL NOT BE PAID FOR SEPARATELY. BUT WILL BE PAID FOR AT THE FINAL MILLING THICKNESS SHOWN ON THE TYPICAL SECTIONS.
9. EPOXY PAVEMENT MARKING LINES SHALL BE USED FOR TEMPORARY PAVEMENT MARKINGS.
10. REMOVAL OF EXISTING PAVEMENT MARKING, WHEN REQUIRED, SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL."
11. EXISTING OR TEMPORARY PAVEMENT MARKINGS REMOVED DURING MILLING OPERATIONS WILL NOT BE PAID FOR SEPARATELY.
12. CASTINGS EXPOSED IN TRAVEL LANES SHALL BE PROTECTED PER APPLICABLE PORTIONS OF ARTICLE 603.07 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE VARIOUS HMA/SMA BINDER AND SURFACE COURSES PLACED.
13. OMIT STAGE III OPERATIONS THROUGH BRIDGE AND CONCRETE SECTIONS.
14. SIGNS SHALL BE INSTALLED AS INSTRUCTED BELOW.



1" BORDER LINE
GREEN REFLECTIVE
BACKGROUND
WITH WHITE LEGEND

SIGN SHALL BE INSTALLED
IN ADVANCE OF ALL OPEN/EXIT
RAMP WHEN THE RIGHT
LANES ARE CLOSED.

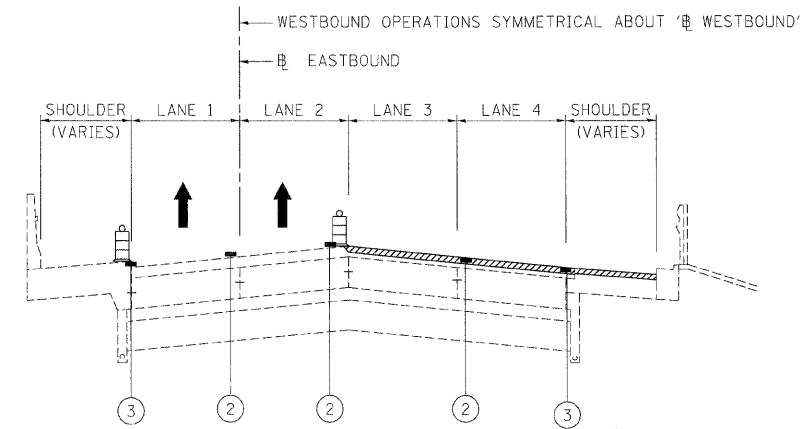


SIGN SHALL BE INSTALLED
ON BOTH SIDES OF THE ROADWAY
500' IN ADVANCE OF AREAS WHERE
THERE IS A GRADE DIFFERENTIAL
BETWEEN LANES, AFTER EACH
ENTRANCE RAMP AND A MINIMUM
OF EVERY MILE.

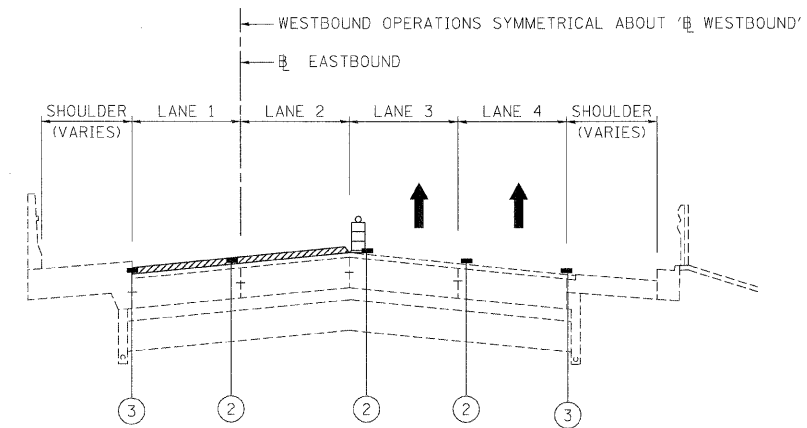
15. THE CONTRACTOR SHALL COORDINATE THE ROADWAY AND STRUCTURAL WORK SO BITUMINOUS MATERIALS ARE NOT TRACKED ON THE BRIDGE DECKS BEFORE BEING SEALED.
16. "EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS" SHALL BE INSTALLED ON MAINLINE ROADWAY DURING STAGE III OPERATIONS, IN LOCATIONS WHERE LETTERS/SYMBOLS PAVEMENT MARKINGS EXIST PRIOR TO SURFACE REMOVAL.
17. WORK ZONE SPEED LIMIT SIGNS SHALL REMAIN IN PLACE UNTIL ALL BINDER IS PLACED.

LEGEND

- ① EXISTING PAVEMENT MARKING
- ② EPOXY PAVEMENT MARKING - LINE 5" (WHITE 10' DASH, 30' SKIP)
- ③ EPOXY PAVEMENT MARKING - LINE 4" (YELLOW LEFT & WHITE RIGHT)
- ④ PROPOSED PAVEMENT MARKING. SEE PAVEMENT MARKING PLANS.
- TYPE II BARRIER, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- BITUMINOUS SURFACE REMOVAL
- HMA/SMA BINDER AND SURFACE COURSES



STAGE III - OPERATION THREE - I-290
BITUMINOUS SURFACE REMOVAL FINAL 2" - LANES 3, 4
BITUMINOUS SURFACE REMOVAL FINAL, 1-3/4" - AUXILIARY LANE & SHOULDER



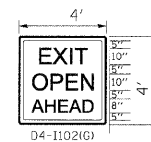
STAGE III - OPERATION FOUR - I-290
BITUMINOUS SURFACE REMOVAL FINAL, 2" - LANES 1 & 2

FILE NAME =	DESIGNED - CAC	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 3			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET
...\\prpin_abc_c3_ml_not_typ.st.3.03.dgn	DRAWN - DMS	REVISED -						290 (2828B.D, ETC., 3031.1)RS-6	COOK	185	
USER NAME = tblank	CHECKED - CAR	REVISED -			CONTRACT NO. 60653			SHEET NO.			
PLOT DATE = 11/3/2009	DATE - 10/16/09	REVISED -			SCALE:	SHEET NO. 24 OF 28 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

STAGE III

STAGE III NOTES

- SEQUENCE OF CONSTRUCTION: PAVEMENT PATCHING, HMA SURFACE REMOVAL AND PROPOSED HMA COURSES AS DETAILED IN EACH OPERATION SECTION. WORK CAN OCCUR CONCURRENTLY, BUT SEQUENCE SHALL BE MAINTAINED AND NOT CONFLICT. RAMP WORK WILL BE COMPLETED USING DISTRICT DETAIL TC-8 - FREEWAY AND EXIT RAMP CLOSURE DETAILS.
- LANE AND RAMP CLOSURES ALLOWED AS STIPULATED IN THE SPECIAL PROVISIONS. CONTRACTOR MAY NOT CLOSE ADJACENT EXIT OR ENTRANCE RAMP AT THE SAME TIME.
- SURFACE REMOVAL AND RESURFACING OPERATIONS SHALL NOT BEGIN UNTIL STAGE II IS COMPLETED.
- LANE CLOSURES PER STANDARDS 701400, 701401 AND 701446.
- REDUCE LANE WIDTH USING 35:1 TAPER PER DISTRICT DETAIL TC-9 - TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE, A W5-1 (48 X 48) ROAD NARROWS SIGN WILL BE ERECTED 500' IN ADVANCE OF THE TAPER.
- THE CONTRACTOR SHALL ERECT ROAD CONSTRUCTION AHEAD SIGNS (W20-110310-48) WITH FLASHING BEACON ON ALL ARTERIAL ROADWAYS APPROACHING INTERCHANGE RAMP.
- GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 2".
- PARTIAL MILLING OF PAVEMENT FOR AN OPERATION WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE PAID FOR AT THE FINAL MILLING THICKNESS SHOWN ON THE TYPICAL SECTIONS.
- EPOXY PAVEMENT MARKING LINES SHALL BE USED FOR TEMPORARY PAVEMENT MARKINGS.
- REMOVAL OF EXISTING PAVEMENT MARKING, WHEN REQUIRED, SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL."
- EXISTING OR TEMPORARY PAVEMENT MARKINGS REMOVED DURING MILLING OPERATIONS WILL NOT BE PAID FOR SEPARATELY.
- CASTINGS EXPOSED IN TRAVEL LANES SHALL BE PROTECTED PER APPLICABLE PORTIONS OF ARTICLE 603.07 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE VARIOUS HMA/SMA BINDER AND SURFACE COURSES PLACED.
- OMIT STAGE III OPERATIONS THROUGH BRIDGE AND CONCRETE SECTIONS.
- SIGNS SHALL BE INSTALLED AS INSTRUCTED BELOW.



04-110210
1" BORDER LINE
GREEN REFLECTIVE
BACKGROUND
WITH WHITE LEGEND

SIGN SHALL BE INSTALLED IN ADVANCE OF ALL OPEN/EXIT RAMP WHEN THE RIGHT LANES ARE CLOSED.



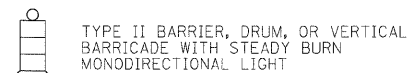
W8-11
48" X 48"

SIGN SHALL BE INSTALLED ON BOTH SIDES OF THE ROADWAY 500' IN ADVANCE OF AREAS WHERE THERE IS A GRADE DIFFERENTIAL BETWEEN LANES, AFTER EACH ENTRANCE RAMP AND A MINIMUM OF EVERY MILE.

- THE CONTRACTOR SHALL COORDINATE THE ROADWAY AND STRUCTURAL WORK SO BITUMINOUS MATERIALS ARE NOT TRACKED ON THE BRIDGE DECKS BEFORE BEING SEALED.
- "EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS" SHALL BE INSTALLED ON MAINLINE ROADWAY DURING STAGE III OPERATIONS, IN LOCATIONS WHERE LETTERS/SYMBOLS PAVEMENT MARKINGS EXIST PRIOR TO SURFACE REMOVAL.
- WORK ZONE SPEED LIMIT SIGNS SHALL REMAIN IN PLACE UNTIL ALL BINDER IS PLACED.

LEGEND

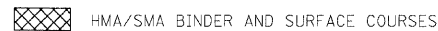
- ① EXISTING PAVEMENT MARKING
- ② EPOXY PAVEMENT MARKING - LINE 5" (WHITE 10' DASH, 30' SKIP)
- ③ EPOXY PAVEMENT MARKING - LINE 4" (YELLOW LEFT & WHITE RIGHT)
- ④ PROPOSED PAVEMENT MARKING. SEE PAVEMENT MARKING PLANS.



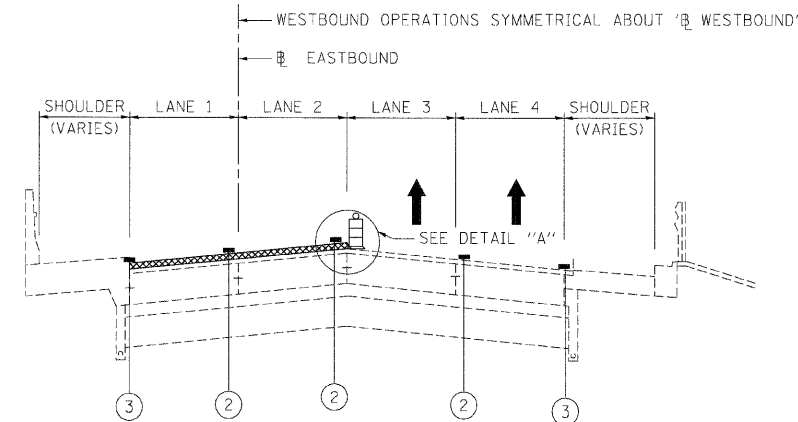
TYPE II BARRIER, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT



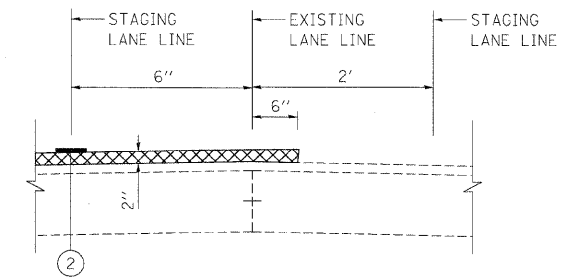
BITUMINOUS SURFACE REMOVAL



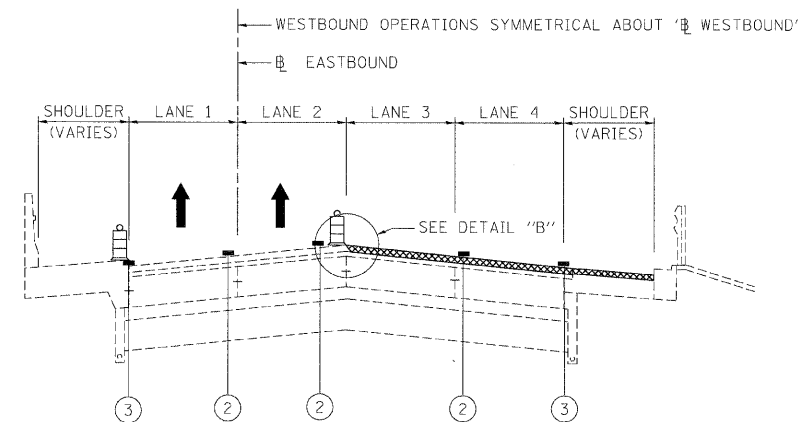
HMA/SMA BINDER AND SURFACE COURSES



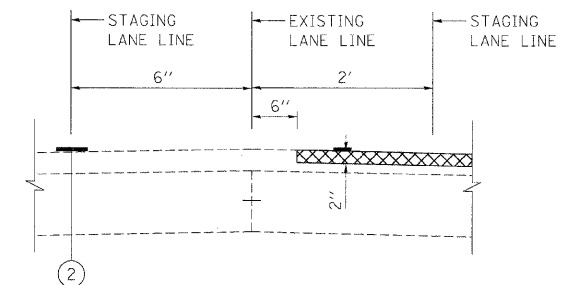
STAGE III - OPERATION FIVE - I-290
BINDER COURSE 2" - LANES 1 & 2



DETAIL A



STAGE III - OPERATION SIX - I-290
BINDER COURSE 2" - LANES 3, 4
BINDER COURSE 2-1/4" - AUXILLARY LANE & SHOULDER



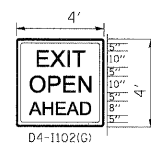
DETAIL B

FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 3	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
...\\prpln-abc-c3.mt.typ.st.3.04.dgn	DRAWN - DMS	REVISED -				290 (2828B.D, ETC., 3031.1)RS-6	COOK	185 97	
USER NAME = tbi1ank	CHECKED - CAR	REVISED -				CONTRACT NO. 60G53			
PLT DATE = 11/13/2009	DATE - 10/16/09	REVISED -				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
SCALE: SHEET NO. 25 OF 28 SHEETS STA. TO STA.									

STAGE III

STAGE III NOTES

- SEQUENCE OF CONSTRUCTION: PAVEMENT PATCHING, HMA SURFACE REMOVAL AND PROPOSED HMA COURSES AS DETAILED IN EACH OPERATION SECTION. WORK CAN OCCUR CONCURRENTLY, BUT SEQUENCE SHALL BE MAINTAINED AND NOT CONFLICT. RAMP WORK WILL BE COMPLETED USING DISTRICT DETAIL TC-8 - FREEWAY AND EXIT RAMP CLOSURE DETAILS.
- LANE AND RAMP CLOSURES ALLOWED AS STIPULATED IN THE SPECIAL PROVISIONS. CONTRACTOR MAY NOT CLOSE ADJACENT EXIT OR ENTRANCE RAMP AT THE SAME TIME.
- SURFACE REMOVAL AND RESURFACING OPERATIONS SHALL NOT BEGIN UNTIL STAGE II IS COMPLETED.
- LANE CLOSURES PER STANDARDS 701400, 701401 AND 701446.
- REDUCE LANE WIDTH USING 35:1 TAPER PER DISTRICT DETAIL TC-9 - TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE, A W5-1 (48 X 48) ROAD NARROWS SIGN WILL BE ERRECTED 500' IN ADVANCE OF THE TAPER.
- THE CONTRACTOR SHALL ERRECT ROAD CONSTRUCTION AHEAD SIGNS (W20-1103(O-48)) WITH FLASHING BEACON ON ALL ARTERIAL ROADWAYS APPROACHING INTERCHANGE RAMP.
- GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 2".
- PARTIAL MILLING OF PAVEMENT FOR AN OPERATION WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE PAID FOR AT THE FINAL MILLING THICKNESS SHOWN ON THE TYPICAL SECTIONS.
- EPOXY PAVEMENT MARKING LINES SHALL BE USED FOR TEMPORARY PAVEMENT MARKINGS.
- REMOVAL OF EXISTING PAVEMENT MARKING, WHEN REQUIRED, SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL."
- EXISTING OR TEMPORARY PAVEMENT MARKINGS REMOVED DURING MILLING OPERATIONS WILL NOT BE PAID FOR SEPARATELY.
- CASTINGS EXPOSED IN TRAVEL LANES SHALL BE PROTECTED PER APPLICABLE PORTIONS OF ARTICLE 603.07 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE VARIOUS HMA/SMA BINDER AND SURFACE COURSES PLACED.
- OMIT STAGE III OPERATIONS THROUGH BRIDGE AND CONCRETE SECTIONS.
- SIGNS SHALL BE INSTALLED AS INSTRUCTED BELOW.



1" BORDER LINE
GREEN REFLECTIVE
BACKGROUND
WITH WHITE LEGEND

SIGN SHALL BE INSTALLED
IN ADVANCE OF ALL OPEN/EXIT
RAMP WHEN THE RIGHT
LANES ARE CLOSED.



W8-11
48" X 48"

SIGN SHALL BE INSTALLED
ON BOTH SIDES OF THE ROADWAY
500' IN ADVANCE OF AREAS WHERE
THERE IS A GRADE DIFFERENTIAL
BETWEEN LANES, AFTER EACH
ENTRANCE RAMP AND A MINIMUM
OF EVERY MILE.

- THE CONTRACTOR SHALL COORDINATE THE ROADWAY AND STRUCTURAL WORK SO BITUMINOUS MATERIALS ARE NOT TRACKED ON THE BRIDGE DECKS BEFORE BEING SEALED.
- "EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS" SHALL BE INSTALLED ON MAINLINE ROADWAY DURING STAGE III OPERATIONS, IN LOCATIONS WHERE LETTERS/SYMBOLS PAVEMENT MARKINGS EXIST PRIOR TO SURFACE REMOVAL.
- WORK ZONE SPEED LIMIT SIGNS SHALL REMAIN IN PLACE UNTIL ALL BINDER IS PLACED.

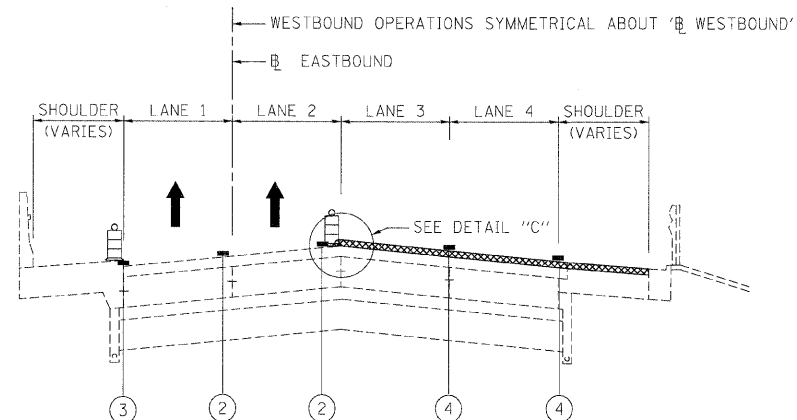
LEGEND

- ① EXISTING PAVEMENT MARKING
- ② EPOXY PAVEMENT MARKING - LINE 5" (WHITE 10' DASH, 30' SKIP)
- ③ EPOXY PAVEMENT MARKING - LINE 4" (YELLOW LEFT & WHITE RIGHT)
- ④ PROPOSED PAVEMENT MARKING. SEE PAVEMENT MARKING PLANS.

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

BITUMINOUS SURFACE REMOVAL

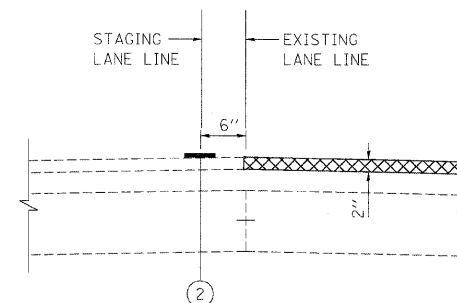
HMA/SMA BINDER AND SURFACE COURSES



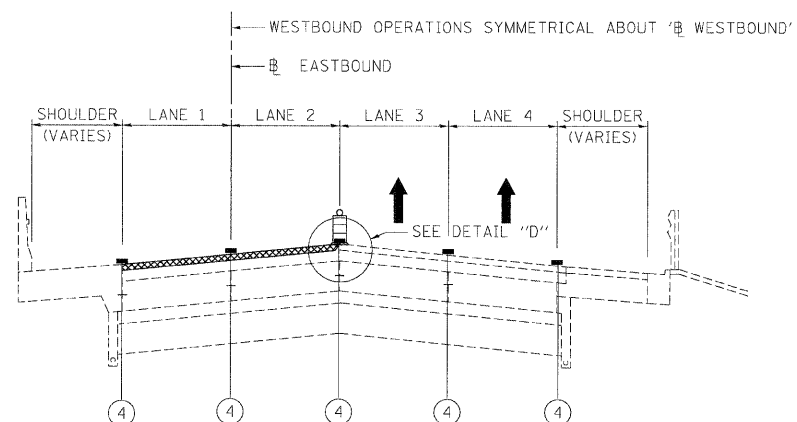
STAGE III - OPERATION SEVEN - I-290

SURFACE COURSE 2" - LANES 3, 4

SURFACE COURSE 1-1/2" - AUXILLARY LANE & SHOULDER

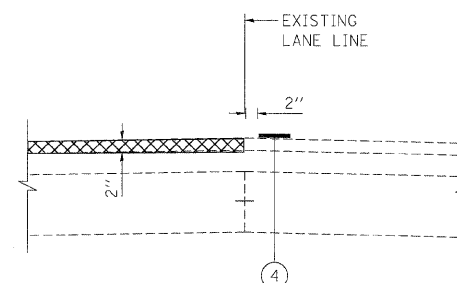


DETAIL C



STAGE III - OPERATION EIGHT - I-290

SURFACE COURSE 2" - LANES 1 & 2



DETAIL D

FILE NAME =	DESIGNED - CAG	REVISED -
...\\ppln\abc\c3\ml\mot\tp\st\3_05.dgn	DRAWN - DMS	REVISED -
USER NAME = tbi\ank	CHECKED - CAR	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 3

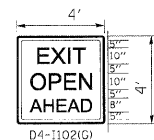
SCALE: SHEET NO. 26 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	98
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G53	

STAGE III

STAGE III NOTES

- SEQUENCE OF CONSTRUCTION: PAVEMENT PATCHING, HMA SURFACE REMOVAL AND PROPOSED HMA COURSES AS DETAILED IN EACH OPERATION SECTION. WORK CAN OCCUR CONCURRENTLY, BUT SEQUENCE SHALL BE MAINTAINED AND NOT CONFLICT. RAMP WORK WILL BE COMPLETED USING DISTRICT DETAIL TC-8 - FREEWAY AND EXIT RAMP CLOSURE DETAILS.
- LANE AND RAMP CLOSURES ALLOWED AS STIPULATED IN THE SPECIAL PROVISIONS. CONTRACTOR MAY NOT CLOSE ADJACENT EXIT OR ENTRANCE RAMP AT THE SAME TIME.
- SURFACE REMOVAL AND RESURFACING OPERATIONS SHALL NOT BEGIN UNTIL STAGE II IS COMPLETED.
- LANE CLOSURES PER STANDARDS 701400, 701401 AND 701446.
- REDUCE LANE WIDTH USING 35:1 TAPER PER DISTRICT DETAIL TC-9 - TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE, A W5-1 (48 X 48) ROAD NARROWS SIGN WILL BE ERECTED 500' IN ADVANCE OF THE TAPER.
- THE CONTRACTOR SHALL ERECT ROAD CONSTRUCTION AHEAD SIGNS (W20-I103(O-48) WITH FLASHING BEACON ON ALL ARTERIAL ROADWAYS APPROACHING INTERCHANGE RAMP.
- GRADE DIFFERENTIAL BETWEEN LANES SHALL NOT EXCEED 2".
- PARTIAL MILLING OF PAVEMENT FOR AN OPERATION WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE PAID FOR AT THE FINAL MILLING THICKNESS SHOWN ON THE TYPICAL SECTIONS.
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- OMIT STAGE III OPERATIONS THROUGH BRIDGE AND CONCRETE SECTIONS.
- SIGNS SHALL BE INSTALLED AS INSTRUCTED BELOW.



1" BORDER LINE
GREEN REFLECTIVE
BACKGROUND
WITH WHITE LEGEND

SIGN SHALL BE INSTALLED
IN ADVANCE OF ALL OPEN/EXIT
RAMPS WHEN THE RIGHT
LANES ARE CLOSED.



SIGN SHALL BE INSTALLED
ON BOTH SIDES OF THE ROADWAY
500' IN ADVANCE OF AREAS WHERE
THERE IS A GRADE DIFFERENTIAL
BETWEEN LANES, AFTER EACH
ENTRANCE RAMP AND A MINIMUM
OF EVERY MILE.

- THE CONTRACTOR SHALL COORDINATE THE ROADWAY AND STRUCTURAL WORK SO BITUMINOUS MATERIALS ARE NOT TRACKED ON THE BRIDGE DECKS BEFORE BEING SEALED.
- "EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS" SHALL BE INSTALLED ON MAINLINE ROADWAY DURING STAGE III OPERATIONS, IN LOCATIONS WHERE LETTERS/SYMBOLS PAVEMENT MARKINGS EXIST PRIOR TO SURFACE REMOVAL.
- WORK ZONE SPEED LIMIT SIGNS SHALL REMAIN IN PLACE UNTIL ALL BINDER IS PLACED.

LEGEND

- ① EXISTING PAVEMENT MARKING
- ② EPOXY PAVEMENT MARKING - LINE 5" (WHITE 10' DASH, 30' SKIP)
- ③ EPOXY PAVEMENT MARKING - LINE 4" (YELLOW LEFT & WHITE RIGHT)
- ④ PROPOSED PAVEMENT MARKING. SEE PAVEMENT MARKING PLANS.



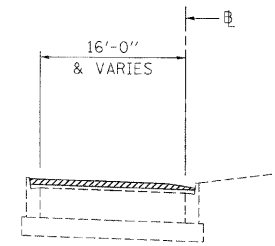
TYPE II BARRIER, DRUM, OR VERTICAL
BARRICADE WITH STEADY BURN
MONODIRECTIONAL LIGHT



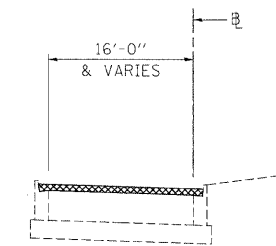
BITUMINOUS SURFACE REMOVAL



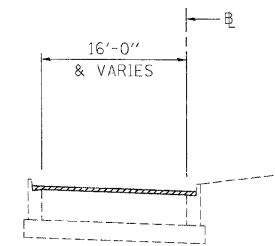
HMA/SMA BINDER AND SURFACE COURSES



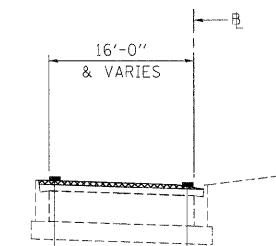
STAGE III - RAMP OPERATION ONE - I-290
BITUMINOUS SURFACE REMOVAL 2"



STAGE III - RAMP OPERATION THREE - I-290
BINDER COURSE 2-1/4"

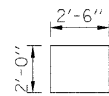


STAGE III - RAMP OPERATION TWO - I-290
BITUMINOUS SURFACE REMOVAL FINAL 1-1/4"

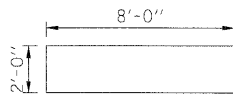


STAGE III - RAMP OPERATION FOUR - I-290
SURFACE COURSE 1-1/2"

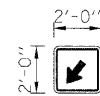
FILE NAME =	DESIGNED - CAC	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 3	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\prpln_abc_c3_m1_mos_ttp.st.3.06.dgn	DRAWN - DMS	REVISED -				290	(2828B,D, ETC., 3031.IRS-6	COOK	185	99
USER NAME = tblank	CHECKED - CAR	REVISED -				CONTRACT NO. 60G53				
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
						SCALE:	SHEET NO. 27 OF 28 SHEETS	STA.	TO STA.	



STAGE 1
ORANGE COVER
STA 885+00
STA 895+10



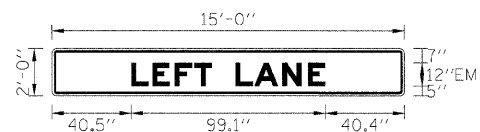
STAGE 2
ORANGE COVER
STA 879+50



BORDER
R=1.5"
TH=1"
IN=1"

Panel Style: Temp Sign.ssf
M.U.T.C.D.: 2003 Edition

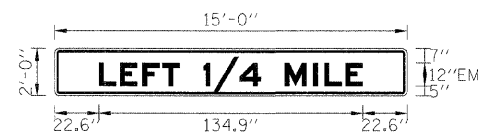
STAGE 1
BLACK ARROW ON ORANGE BACKGROUND
STA 885+00
STA 895+10



BORDER
R=1.5"
TH=1"
IN=1"

Panel Style: Temp Sign.ssf
M.U.T.C.D.: 2003 Edition

STAGE 2
BLACK LETTERS ON ORANGE BACKGROUND
STA 885+00



BORDER
R=1.5"
TH=1"
IN=1"

Panel Style: Temp Sign.ssf
M.U.T.C.D.: 2003 Edition

STAGE 2
BLACK LETTERS ON ORANGE BACKGROUND
STA 895+10

FILE NAME =	DESIGNED - AJP	REVISED -
...:\p\in\ABC\C3_TempSignDetails_01.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JJT	REVISED -
PLOT DATE = 12/16/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TEMPORARY INFORMATION SIGNING**

SCALE: N.T.S. SHEET NO. 28 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B.D, ETC., 3031.11RS-6	COOK	185	100
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO. 60G53				