

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 60K12		

FOR INDEX OF SHEETS, SEE SHEET NO. 2.

TRAFFIC DATA

ADT = 187,000 VEHICLES
POSTED SPEED LIMIT = 55 MPH

PROJECT LOCATED IN THE
VILLAGE OF HILLSIDE,
VILLAGE OF BELLWOOD,
VILLAGE OF WESTCHESTER,
VILLAGE OF BROADVIEW
AND VILLAGE OF MAYWOOD

STRUCTURE LOCATIONS

I-290 EB OVER I-88
SN 016-0085

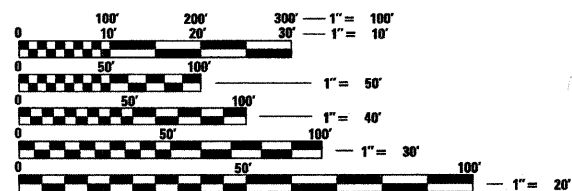
I-290 OVER WOLF RD
SN 016-0086

I-290 EB C-D ROAD OVER WOLF RD
SN 016-2758

I-290 OVER HILLSIDE DR
SN 016-0986

I-290 EB C-D ROAD OVER HILLSIDE DR
SN 016-2759

I-290 OVER ADDISON CREEK
SN 016-0088



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

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

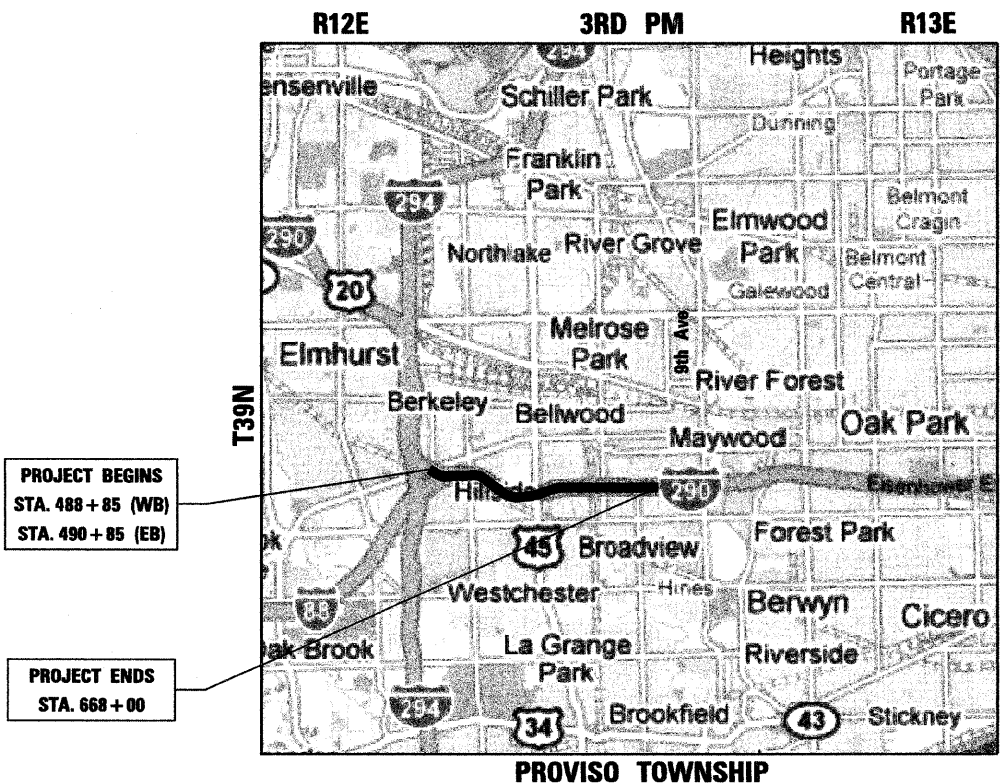
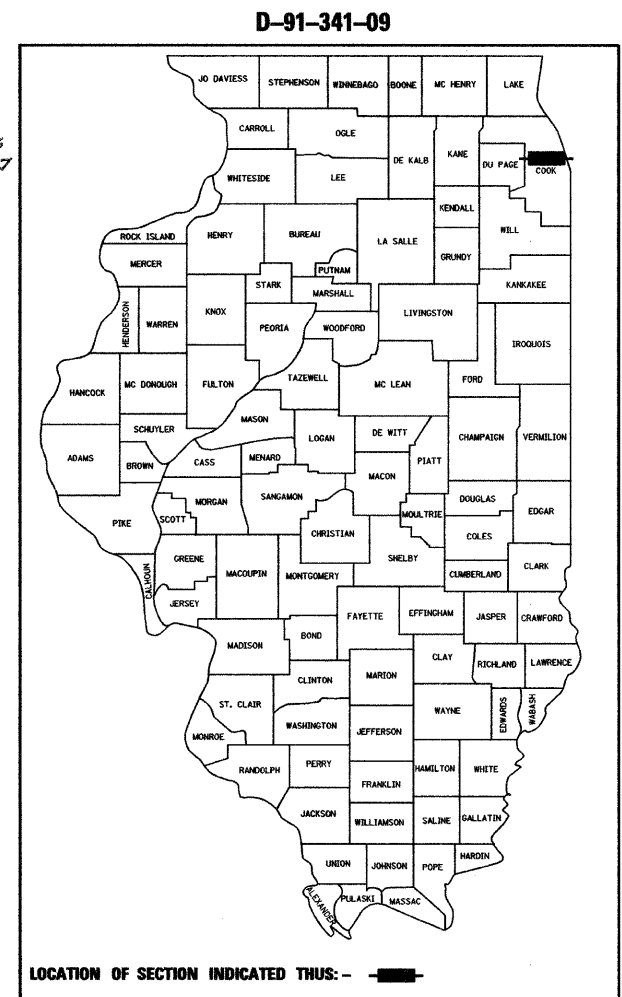
PROJECT ENGINEER: CRAIG BAUER (847) 705-4265
PROJECT MANAGER: LONG TRAN (847) 705-4232

CONTRACT NO. 60K12

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**
FAI-290 (EISENHOWER EXPRESSWAY)
SECTION (3435, ETC., 3838)RS-5
PROJECT: ACIM-290-4(117)084
I-88 TO 9th AVE.
RESURFACING, BRIDGE REPAIRS, SIGNING AND SURVEILLANCE
COOK COUNTY
C-91-424-10

NOTE: WHEREVER IN THESE PLANS
REFERENCE IS MADE TO CONTRACT
"60862" IT SHALL MEAN
"60K12".



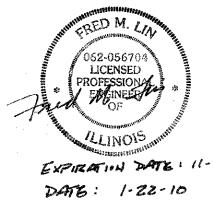
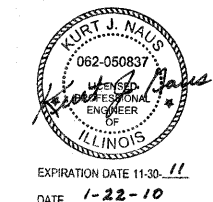
PROJECT BEGINS
STA. 488 + 85 (WB)
STA. 490 + 85 (EB)

PROJECT ENDS
STA. 668 + 00

PROVISO TOWNSHIP

LAYOUT MAP
SCALE: 1 IN = 1.5 MI

GROSS LENGTH OF PROJECT = 17,915 LIN FT = 3.39 MILES
NET LENGTH OF PROJECT = 17,915 LIN FT = 3.39 MILES



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED JANUARY 22, 2010

Dean M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

20

ENGINEER OF DESIGN AND ENVIRONMENT

20

DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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alfred benesch & company
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Consulting Engineers
Chatham, Illinois Westmont, Illinois

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS, GENERAL NOTES & HMA REQUIREMENTS
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249-264	DISTRICT 1 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 IDOT CONTRACTS 60157 AND 60K10 AND ILLINOIS STATE TOLL HIGHWAY AUTHORITY CONTRACT-I-294 FROM I-88 TO NORTH AVENUE.
- 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 SHOULDER RECONSTRUCTION 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
442001-04	CLASS A PATCHES
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATE FOR BRIDGES
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
642001-01	SHOULDER RUMBLE STRIPS
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701106-02	OFF-ROAD 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 TO 55 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 POSTS 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
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 PARTIAL RAMP CLOSURES
TC-18	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
TC-25	TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE SHOULDER LANE
TC-27	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 INSIDE SHOULDERS < 8'		
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 SHOULDER RESURFACING		
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
IL RTE 38 (ROOSEVELT ROAD) RAMPS		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	1-3/4"	4% @ 90 Gyr
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	2-1/4"	4% @ 90 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" OR 4"	4% @ 105 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.
#FILE#	DRAWN - TMB	REVISED -			290	(3435, ETC., 3838RS-5	COOK	264	2			
USER NAME = #USER#	CHECKED - JMM	REVISED -			CONTRACT NO. 60652							
PLOT DATE = #DATE#	DATE - 1/25/10	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	BRIDGE SN 016-0088	BRIDGE SN 016-0086 SN 016-2758	BRIDGE SN 016-0085 SN 016-0986 SN 016-2759	TRAFFIC SIGNS	SURVEILLANCE
					90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
					CONSTRUCTION TYPE CODE					
				I000-2A	X020-2A	X231-2A	X271-2A	Y002-1C	Y032-1F	
**	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	719	719					
**	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	45	45					
**	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	8	8					
**	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	11	11					
	28000510	INLET FILTERS	EACH	357	357					
**	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	263	263					
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	262	262					
	40600300	AGGREGATE (PRIME COAT)	TON	1,312	1,312					
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	492	492					
	40600895	CONSTRUCTING TEST STRIP	EACH	2	2					
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2,400	2,400					
	40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	3,461	3,461					
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	12,198	12,198					
	40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	1,721	1,721					
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	8,132	8,132					
	40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	1,338	1,338					
**	40800052	INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL)	TON	105	105					
	42001300	PROTECTIVE COAT	SQ YD	600	600					
	44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	12,773	12,773					
	44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	123,246	123,246					
	44000185	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	191,956	191,956					
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,402	2,402					
	44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	69	69					
	44002213	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/4"	SQ YD	511	511					
	44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	13,743	13,743					
**	44004260	PAVED SHOULDER REMOVAL (SPECIAL)	SQ YD	470	470					
	44200549	CLASS A PATCHES, TYPE I, 10 INCH	SQ YD	300	300					
	44200553	CLASS A PATCHES, TYPE II, 10 INCH	SQ YD	300	300					
	44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	80	80					
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	4,108	4,108					
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	1,435	1,435					
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	8,631	8,631					
	44213000	PATCHING REINFORCEMENT	SQ YD	600	600					
	44213200	SAW CUTS	FOOT	294	294					
	50102400	CONCRETE REMOVAL	CU YD	46.7			46.7			

Δ NON-PARTICIPATING
 * SPECIALTY ITEMS
 ** 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.
#FILE#	DRAWN - TMB	REVISED -			290	(3435, ETC., 3838RS-5	COOK	264	3				
USER NAME = #USER#	CHECKED - JMM	REVISED -			SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. TO STA.				CONTRACT NO. 60G52				
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	URBAN	ROADWAY	BRIDGE SN 016-0088	BRIDGE SN 016-0086 SN 016-2758	BRIDGE SN 016-0085 SN 016-0986 SN 016-2759	TRAFFIC SIGNS	SURVEILLANCE
					90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	
					CONSTRUCTION TYPE CODE						
					I000-2A	X020-2A	X231-2A	X271-2A	Y002-1C	Y032-1F	
	50157300	PROTECTIVE SHIELD	SQ YD	342				127	215		
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	46.7					46.7		
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6,180					6,180		
	50800515	BAR SPLICERS	EACH	38					38		
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	328.0					328.0		
	55039700	STORM SEWERS TO BE CLEANED	FOOT	8,568	8,568						
	58700300	CONCRETE SEALER	SQ FT	101,221		18,601	39,898	42,722			
	60300205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	206	206						
	60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	206	206						
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2,402	2,402						
	64200105	SHOULDER RUMBLE STRIP	FOOT	55,043	55,043						
	67100100	MOBILIZATION	L SUM	1	1						
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	40	40						
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	11,512	11,512						
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	7,091	7,091						
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	7,091	7,091						
*	72000105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	91						91	
*	72000205	SIGN PANEL - TYPE 2 (SPECIAL)	SQ FT	749						749	
*	72000305	SIGN PANEL - TYPE 3 (SPECIAL)	SQ FT	7,550						7,550	
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	11						11	
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	324						324	
*	73000105	WOOD SIGN SUPPORT, SPECIAL	FOOT	702						702	
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	36	36						
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	78,030	78,030						
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	28,115	28,115						
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	7,234	7,234						
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	34	34						
*	78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	1,278	1,278						
*	78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	19,138	19,138						
*	78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,000	1,000						
*	78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	286,562	286,562						
*	78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	58,408	58,408						
*	78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	31,812	31,812						

Δ NON-PARTICIPATING
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USER NAME = #USER#	CHECKED - JMM	REVISED -							CONTRACT NO. 60G52					
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

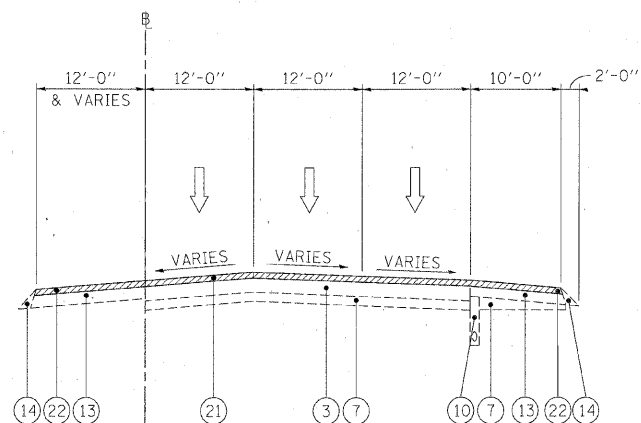
SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BRIDGE SN 016-0088	BRIDGE SN 016-0086 SN 016-2758	BRIDGE SN 016-0085 SN 016-0986 SN 016-2759	TRAFFIC SIGNS	SURVEILLANCE	
					90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	
					CONSTRUCTION TYPE CODE						
						I000-2A	X020-2A	X231-2A	X271-2A	Y002-1C	Y032-1F
*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1,709	1,709						
*	78008220	POLYUREA PAVEMENT MARKING TYPE I - LINE 5"	FOOT	2,133	2,133						
*	78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	84	84						
*	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	447	447						
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,998	1,998						
*	78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	51	51						
*	78200450	MONODIRECTIONAL GUARD RAIL REFLECTORS	EACH	300	300						
*	78200530	BARRIER WALL MARKERS, TYPE C	EACH	502	502						
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	14,429	14,429						
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,998	1,998						
*	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	100							100
*	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	37					37		
	Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	75.0		24.4	20.6	30.0			
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1						
	Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	72.5		18.6	38.3	15.6			
Δ	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	357	357						
	Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	13	13						
	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	15	15						
	Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2						
	Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	2	2						
	Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	5	5						
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1						
**	Z0064800	SELECTIVE CLEARING	UNIT	143	143						
	Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	6				6			
θ	Z0078600	TRAINEES	HOUR	1,000	1,000						
**	K0036120	MULCH PLACEMENT 4"	SQ YD	1,951	1,951						
** Δ	K1003660	MOWING CYCLES	EACH	2	2						
Δ	XX005656	INLET FILTER CLEANING	EACH	357	357						
**	XZ186500	ASPHALTIC EMULSION SLURRY SEAL	SQ YD	4,700	4,700						
	X0301424	SILICONE JOINT SEALER	FOOT	687.0		228.0	237.0	222.0			
	X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	1,933	1,933						
	X0322729	MATERIAL TRANSFER DEVICE	TON	51,961	51,961						
**	X0322856	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL	GALLON	2	2						
**	X0322859	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	94	94						
	X0324685	TEST STRIP (STONE MATRIX ASPHALT)	EACH	2	2						

⊙ Y080
 Δ NON-PARTICIPATING
 • SPECIALTY ITEMS
 ** 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.
#FILE#	DRAWN - TMB	REVISED -							290	(3435, ETC., 3838RS-5)	COOK	264	5
USER NAME = #USER#	CHECKED - JMM	REVISED -			SCALE: N.T.S. SHEET NO. 3 OF 4 SHEETS STA. TO STA.				CONTRACT NO. 60G52				
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

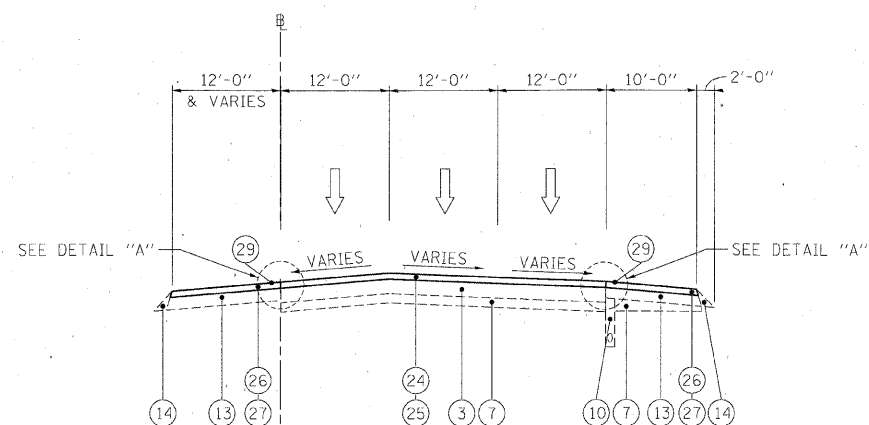
SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BRIDGE SN 016-0088	BRIDGE SN 016-0086 SN 016-2758	BRIDGE SN 016-0085 SN 016-0986 SN 016-2759	TRAFFIC SIGNS	SURVEILLANCE
					90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
					CONSTRUCTION TYPE CODE					
					1000-2A	X020-2A	X231-2A	X271-2A	Y002-1C	Y032-1F
Δ	X0325095	MAIN DRAIN CLEANING	FOOT	4751	4,751					
**	X0325222	WEED CONTROL, BASAL TREATMENT	GALLON	7	7					
**	X0325223	FIBER ASPHALT	POUND	157	157					
	X0325303	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	42		32	10			
	X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	50				50		
	X0325702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1					
	X0325775	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	82,766	82,766					
	X0325840	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 12 INCH	FOOT	3,215	3,215					
	X0325842	WET REFLECTIVE TEMPORARY TAPE, TYPE III, LETTERS AND SYMBOLS	SQ FT	109	109					
	X0325876	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 8 INCH	FOOT	24,122	24,122					
**	X0325921	PLANT CARE	SQ YD	3,191	3,191					
	X0326107	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5 INCH	FOOT	20,958	20,958					
**	X0326701	WEED CONTROL, BROADLEAF IN TURF	POUND	0.8	0.8					
Δ	X0326765	CLEANING AND PAINTING EXPOSED REBAR (SPECIAL)	SQ FT	10			10			
Δ	X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	581.0		189.0	144.0	248.0		
*	X0326768	CONDUIT IN TRENCH, HIGH DENSITY POLYETHYLENE, COILABLE	FOOT	100						100
*	X0326838	REMOVE SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	18					18	
*	X0326839	REMOVE SIGN PANEL - TYPE 2 (SPECIAL)	SQ FT	290					290	
*	X0326840	REMOVE SIGN PANEL - TYPE 3 (SPECIAL)	SQ FT	6,894					6,894	
*	X0326841	REMOVE SIGN PANEL ASSEMBLY - TYPE B (SPECIAL)	EACH	34					34	
*	X0326842	MILE POST MARKER ASSEMBLY (SPECIAL)	EACH	12					12	
**	X0326843	STAINING EXISTING COLORED CONCRETE SURFACES	SQ FT	940	940					
	X0326844	ROADSIDE DETECTOR	EACH	24						24
	X0326845	SERVICE PROVIDER	CAL MO	12						12
	X0326846	ATMS INTERFACE	L SUM	1						1
	X0326847	TEMPORARY DETECTION SYSTEM MONTHLY MAINTENANCE	CAL MO	12						12
	X0326848	TEMPORARY DETECTION SYSTEM REMOVE AND SALVAGE	L SUM	1						1
Δ	X0326849	CLEANING OF WET PIT	TON	58	58					
	X0326850	MAIN DRAIN JOINT REPAIR	FOOT	79	79					
**	X2010300	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	UNIT	117	117					
	40603153	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	TON	28,400	28,400					
	40603148	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	TON	23,561	23,561					
	X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	10	10					
	X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1					
	X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	86	86					
*	X8730312	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	FOOT	8,273						8,273
*	X8850102	INDUCTION LOOP	FOOT	1,768						1,768

Δ NON-PARTICIPATING SPECIALTY ITEMS
 ** 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.



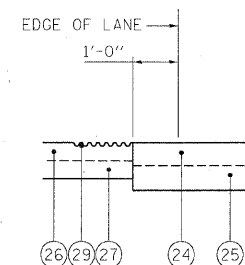
EXISTING TYPICAL SECTION

STA 488+85 TO STA 490+60 (WB FAI 290)



PROPOSED TYPICAL SECTION

STA 488+85 TO STA 490+60 (WB FAI 290)



DETAIL "A"

LEGEND

- ① EXISTING HMA OVERLAY, VARIES*
- 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 HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)

NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
2. 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.
3. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
4. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

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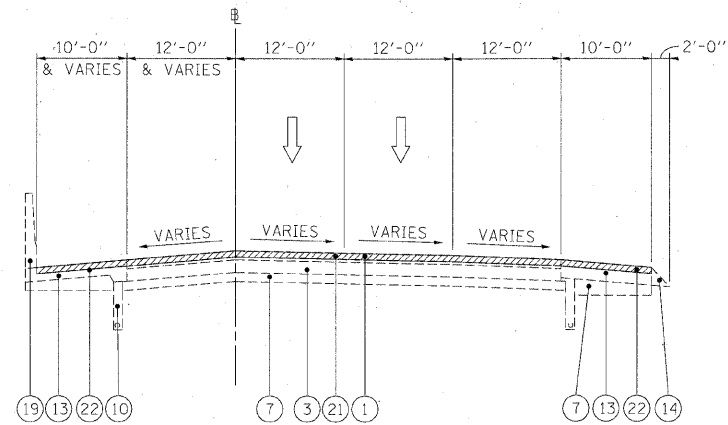
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
I-290 MAINLINE**

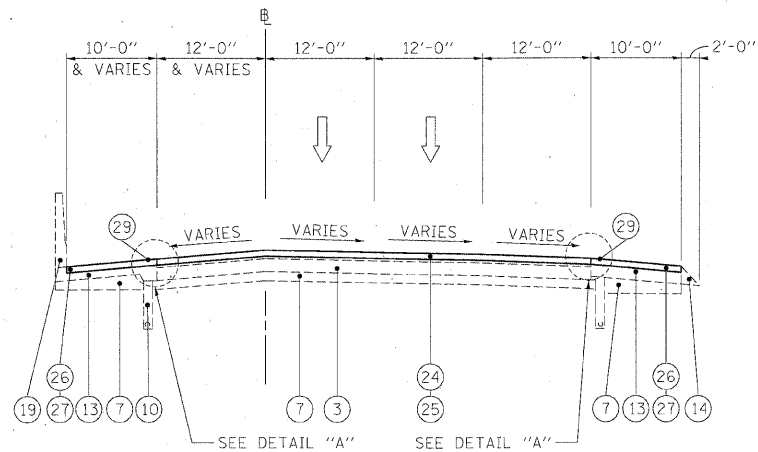
SCALE: N.T.S. SHEET NO. 1 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838RS-5	COOK	264	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	



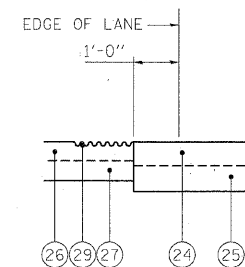
EXISTING TYPICAL SECTION

STA 490+60 TO STA 499+42 (WB FAI 290)



PROPOSED TYPICAL SECTION

STA 490+60 TO STA 499+42 (WB FAI 290)



LEGEND

- ① EXISTING HMA OVERLAY, VARIES*
- 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 HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)

NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
2. 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.
3. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
4. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

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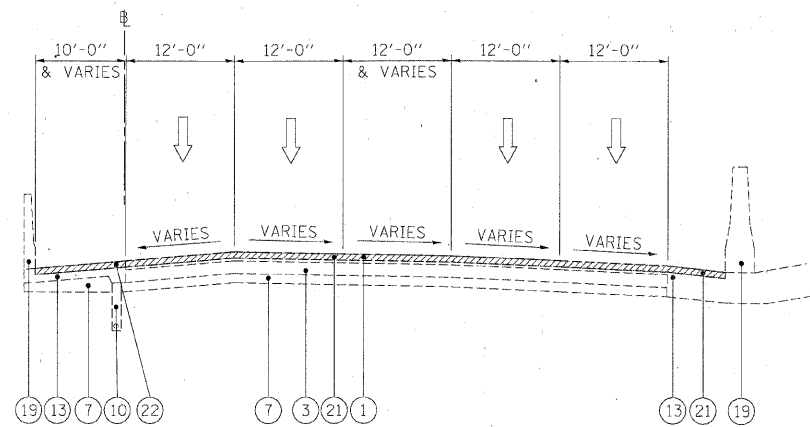
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
I-290 MAINLINE**

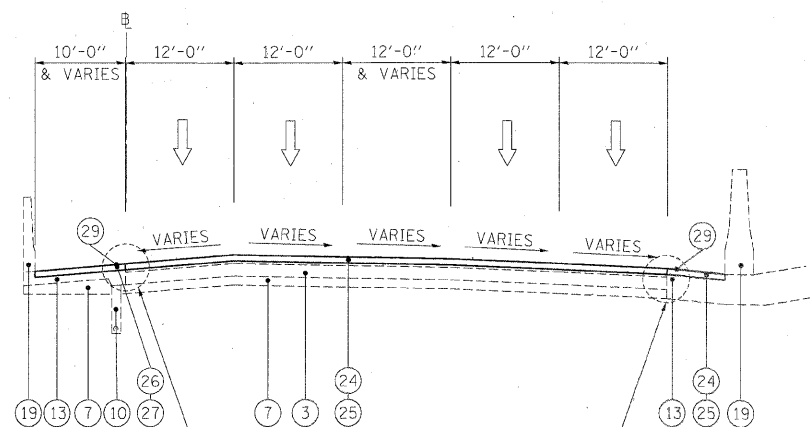
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	8
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G52	



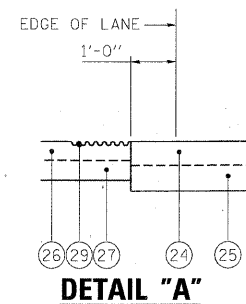
EXISTING TYPICAL SECTION

STA 499+42 TO STA 505+50 (WB FAI 290)



PROPOSED TYPICAL SECTION

STA 499+42 TO STA 505+50 (WB FAI 290)



LEGEND

- ① EXISTING HMA OVERLAY, VARIES*
- 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 3/4"
- 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 HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)

NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
2. 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.
3. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
4. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

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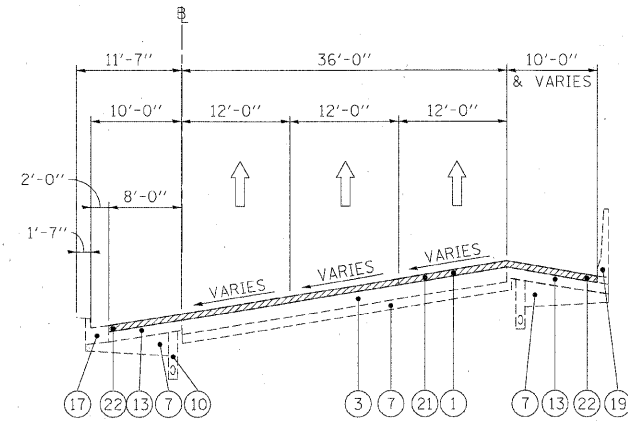
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
I-290 MAINLINE**

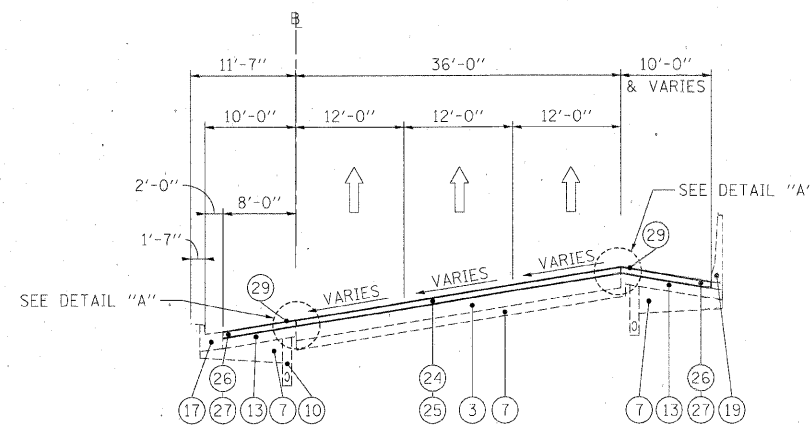
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	



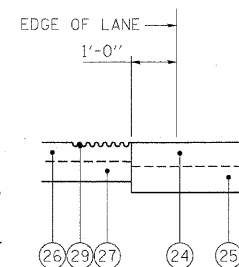
EXISTING TYPICAL SECTION

STA 493+60 TO STA 501+90 (EB FAI 290)



PROPOSED TYPICAL SECTION

STA 493+60 TO STA 501+90 (EB FAI 290)



DETAIL "A"

LEGEND

- ① EXISTING HMA OVERLAY, VARIES*
- 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 HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)

NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
2. 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.
3. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
4. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

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PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

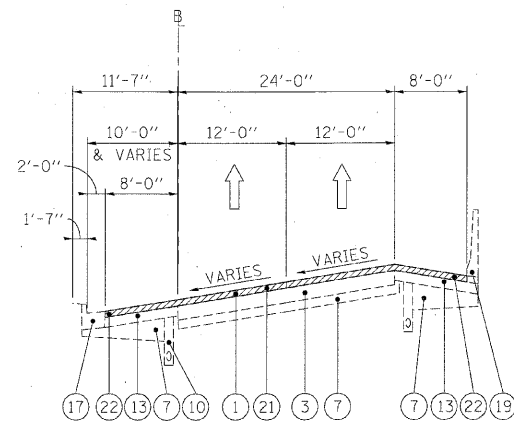
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
I-290 MAINLINE**

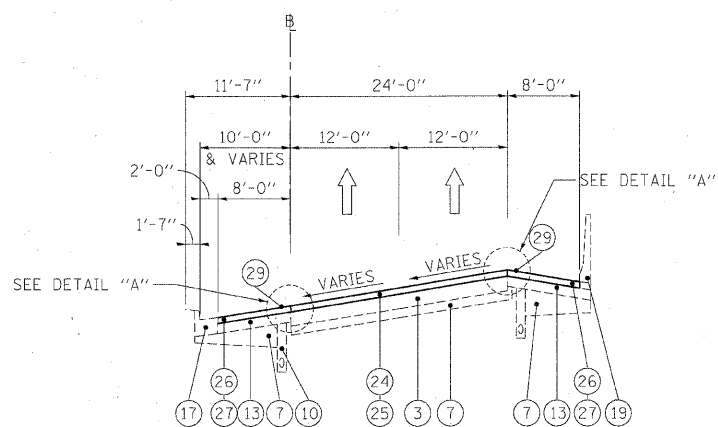
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	



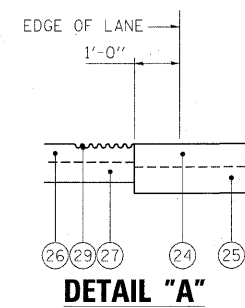
EXISTING TYPICAL SECTION

STA 501+90 TO STA 505+50 (EB FAI 290)



PROPOSED TYPICAL SECTION

STA 501+90 TO STA 505+50 (EB FAI 290)



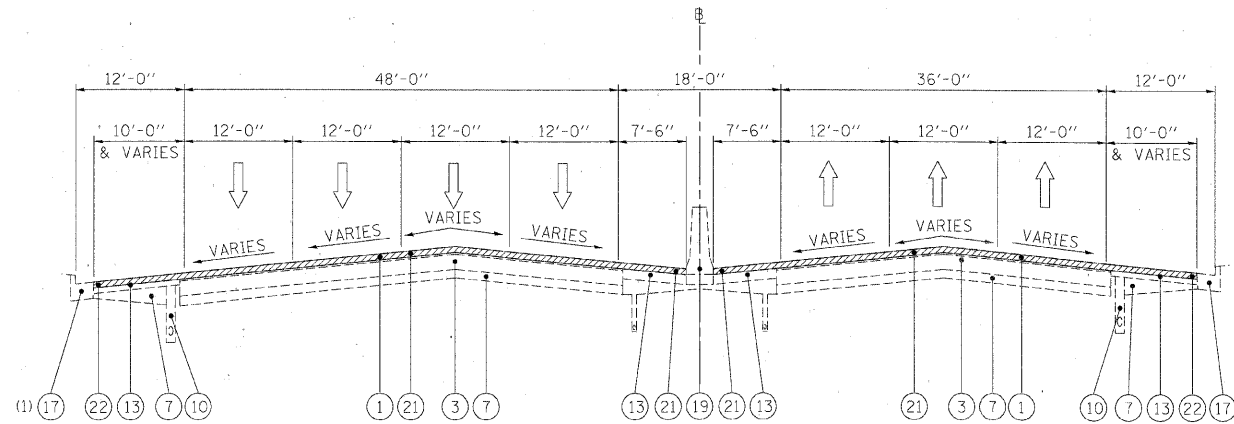
LEGEND

- ① EXISTING HMA OVERLAY, VARIES
- 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 3/4"
- 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 HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)

NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
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4. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

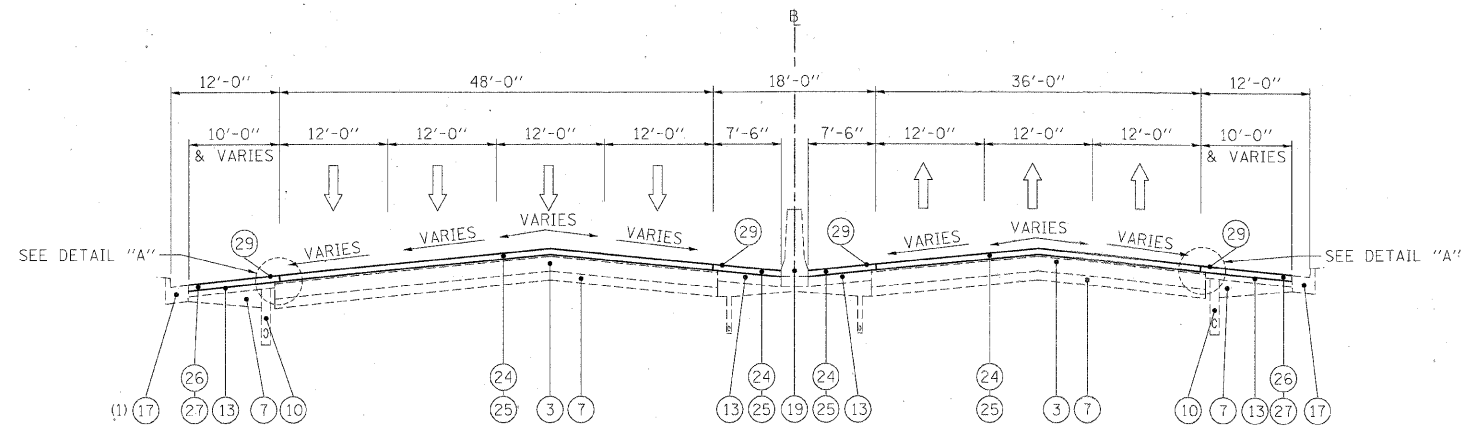
FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS I-290 MAINLINE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...prpin_abc_c2_355_ml_07.dgn	DRAWN - TMB	REVISED -				290	(3435, ETC., 3838)RS-5	COOK	264	11
USER NAME = tblank	CHECKED - JMM	REVISED -				CONTRACT NO. 60G52				
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE: N.T.S.						SHEET NO. 5 OF 11 SHEETS		STA. TO STA.		



EXISTING TYPICAL SECTION

(1) AGGREGATE SHOULDER, TYPE A: STA 532+60 TO STA 535+00
STA 554+45 TO STA 558+50

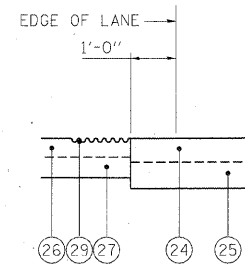
STA 505+50 TO STA 535+00
STA 554+45 TO STA 558+50



PROPOSED TYPICAL SECTION

(1) AGGREGATE SHOULDER, TYPE A: STA 532+60 TO STA 535+00
STA 554+45 TO STA 558+50

STA 505+50 TO STA 535+00
STA 554+45 TO STA 558+50



DETAIL "A"

LEGEND

- ① EXISTING HMA OVERLAY, VARIES
- 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 HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)

NOTES

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4. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

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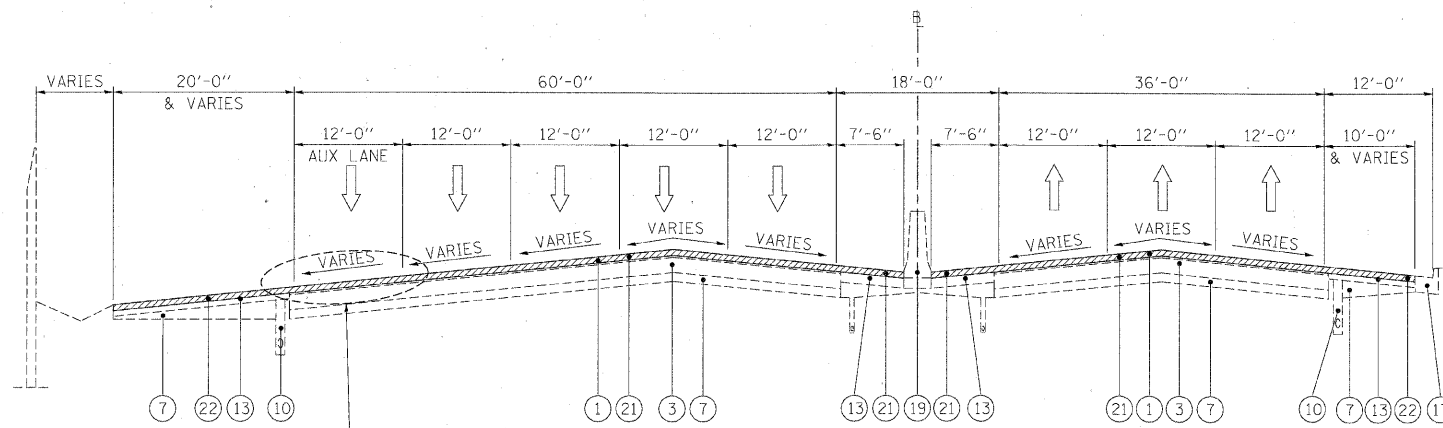
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
I-290 MAINLINE**

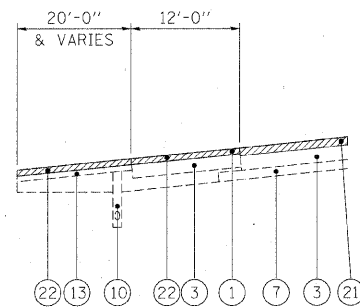
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	12
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60C52	

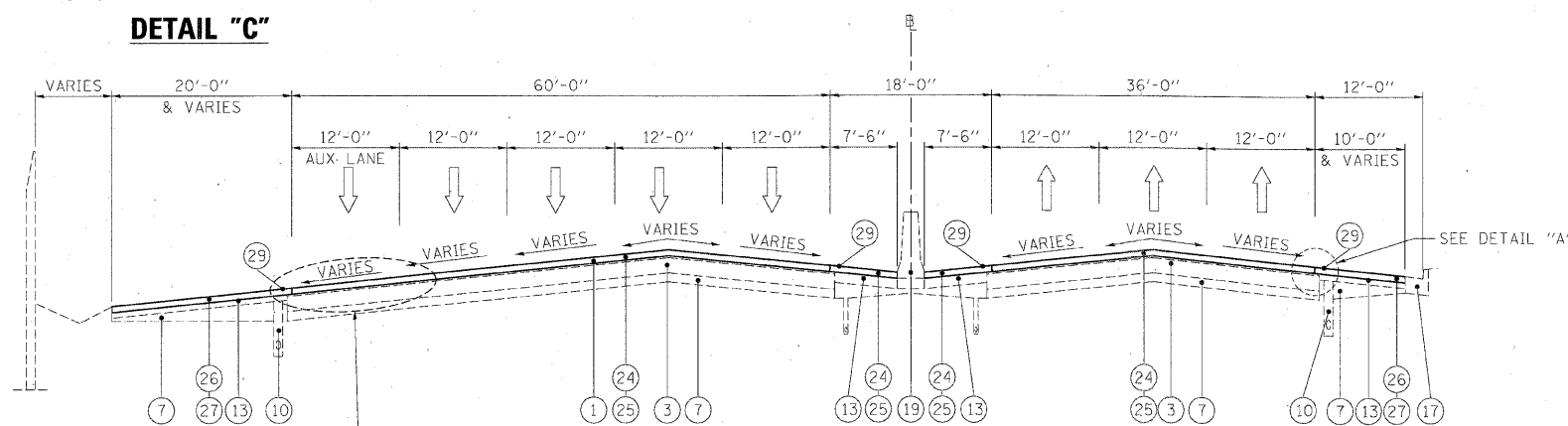


EXISTING TYPICAL SECTION

STA 535+00 TO STA 554+45

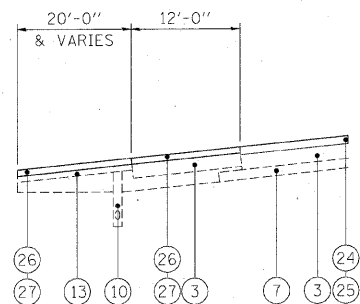


DETAIL "C"

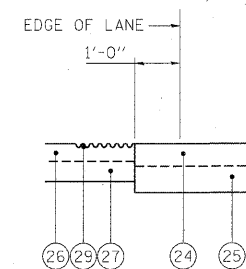


PROPOSED TYPICAL SECTION

STA 535+00 TO STA 554+45



DETAIL "B"



DETAIL "A"

LEGEND

- ① EXISTING HMA OVERLAY, VARIES
- 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 HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)

NOTES

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2. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
3. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

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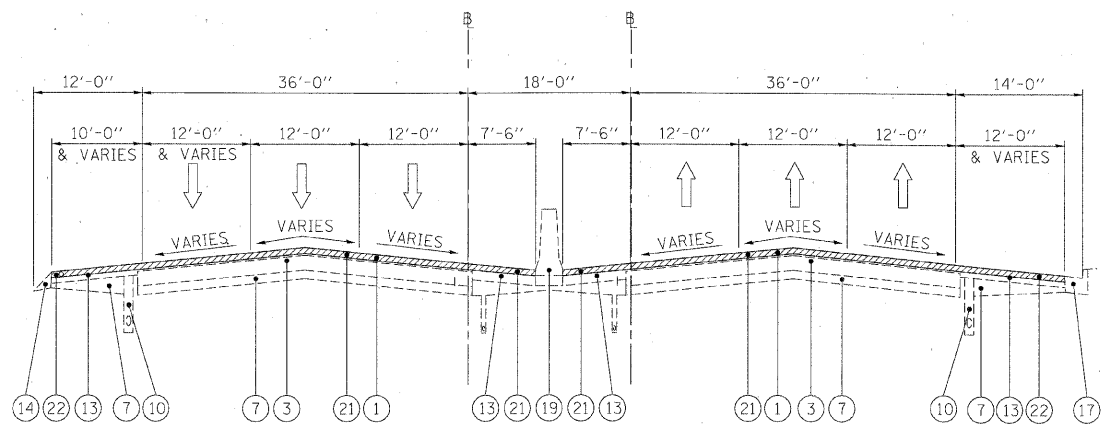
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
I-290 MAINLINE**

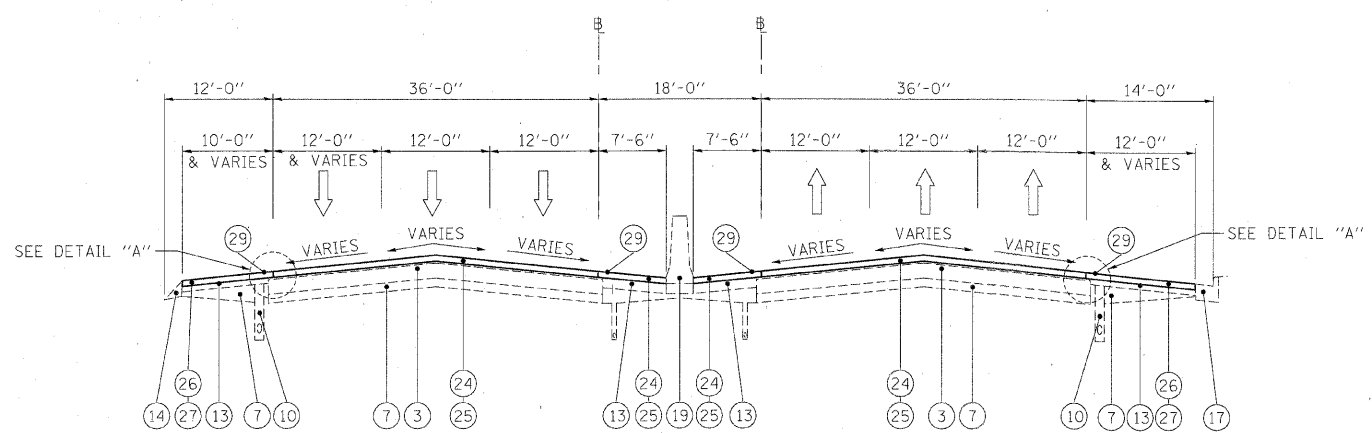
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	



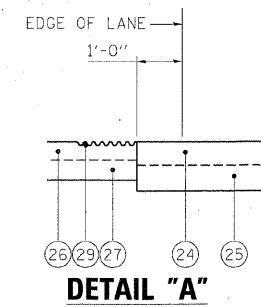
EXISTING TYPICAL SECTION

STA 558+50 TO STA 577+00
 STA 601+15 TO STA 626+50
 STA 633+60 TO STA 668+00 (WB FAI 290)
 STA 636+60 TO STA 668+00 (EB FAI 290)
 B LOCATED ON CENTER OF MEDIAN STA 558+50 TO STA 608+04.76



PROPOSED TYPICAL SECTION

STA 558+50 TO STA 577+00
 STA 601+15 TO STA 626+50
 STA 633+60 TO STA 668+00 (WB FAI 290)
 STA 636+60 TO STA 668+00 (EB FAI 290)
 B LOCATED ON CENTER OF MEDIAN STA 558+50 TO STA 608+04.76



LEGEND

- ① EXISTING HMA OVERLAY, VARIES*
- 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"
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- 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 HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)

NOTES

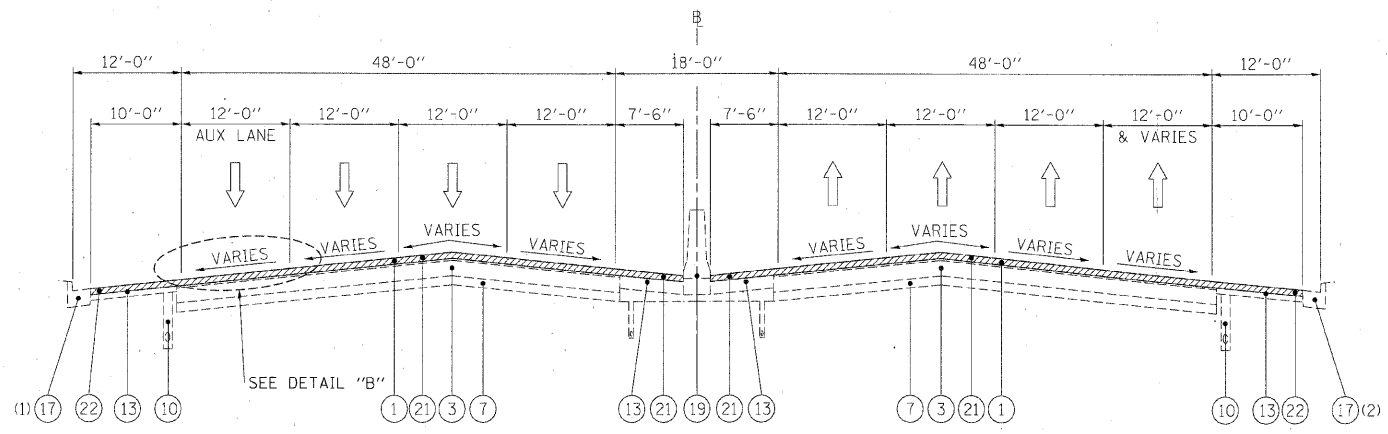
1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
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4. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

FILE NAME =	DESIGNED - AJP	REVISED -
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USER NAME = tblank	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE = 1/25/10	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: N.T.S.		SHEET NO. 8 OF 11 SHEETS		STA. TO STA.		F.A.I. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
						290 (3435, ETC., 3838)RS-5	COOK	264	14	
						TYPICAL SECTIONS I-290 MAINLINE		CONTRACT NO. 60G52		
						FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

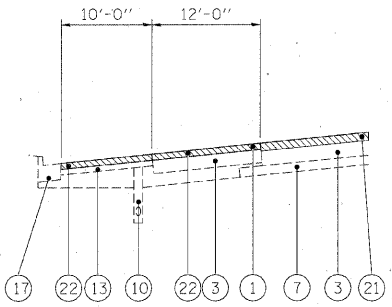


(1) CONCRETE CURB: STA 594+68 TO STA 598+90
 CONCRETE BARRIER WALL: STA 577+00 TO STA 594+68

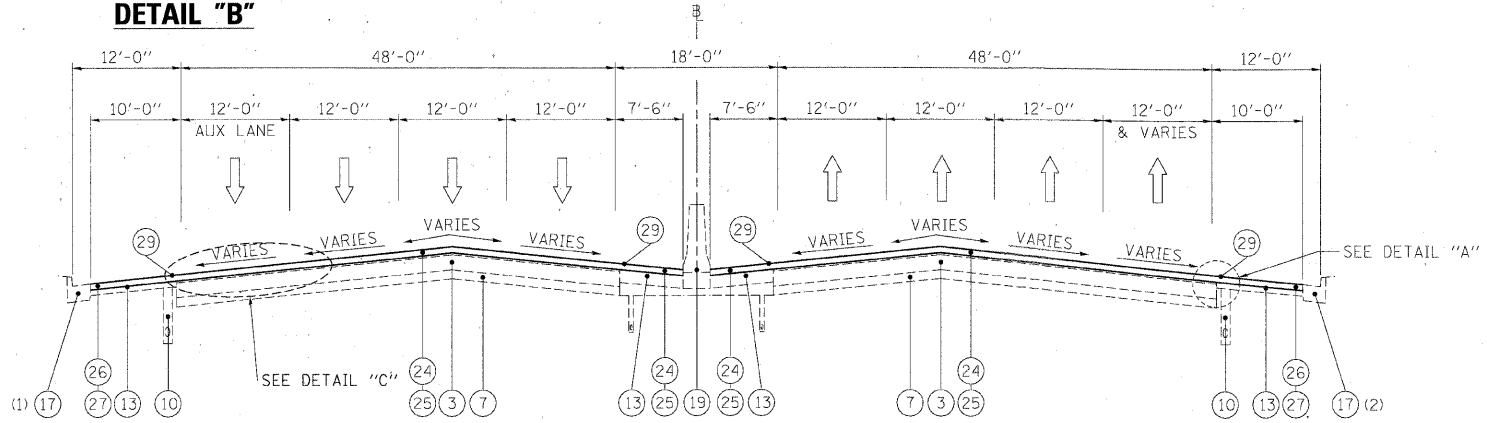
(2) CONCRETE CURB: STA 598+05 TO STA 601+15
 CONCRETE BARRIER WALL: STA 593+40 TO STA 598+05
 EXISTING GROUND: STA 591+45 TO STA 593+40

EXISTING TYPICAL SECTION

STA 577+00 TO STA 601+15



DETAIL "B"

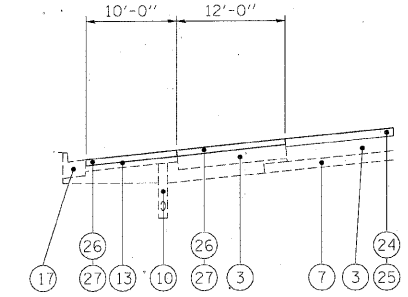


(1) CONCRETE CURB: STA 594+68 TO STA 598+90
 CONCRETE BARRIER WALL: STA 577+00 TO STA 594+68

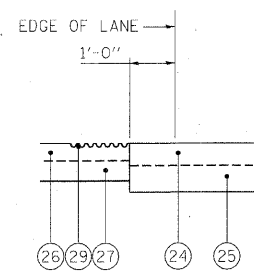
(2) CONCRETE CURB: STA 598+05 TO STA 601+15
 CONCRETE BARRIER WALL: STA 593+40 TO STA 598+05
 EXISTING GROUND: STA 591+45 TO STA 593+40

PROPOSED TYPICAL SECTION

STA 577+00 TO STA 601+15



DETAIL "C"



DETAIL "A"

LEGEND

- ① EXISTING HMA OVERLAY, VARIES
- 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
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- 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 HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)

NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
2. 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.
3. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.
4. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

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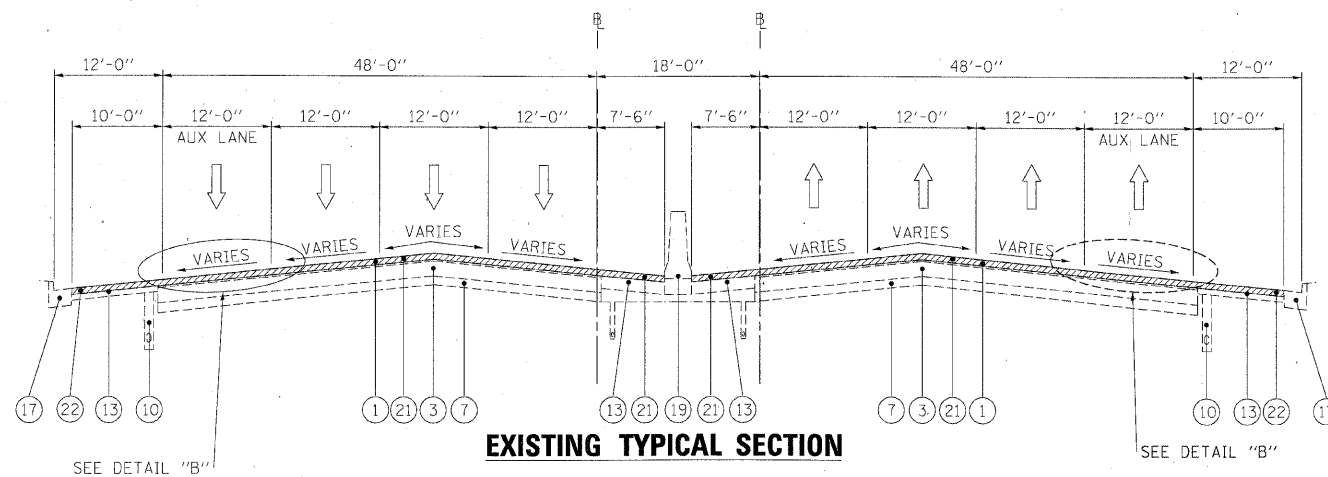
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
I-290 MAINLINE**

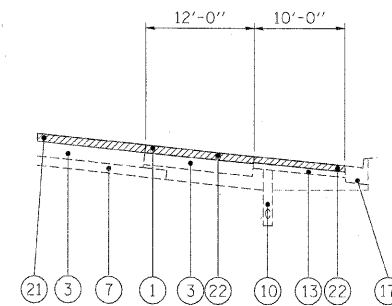
SCALE: N.T.S. SHEET NO. 9 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	

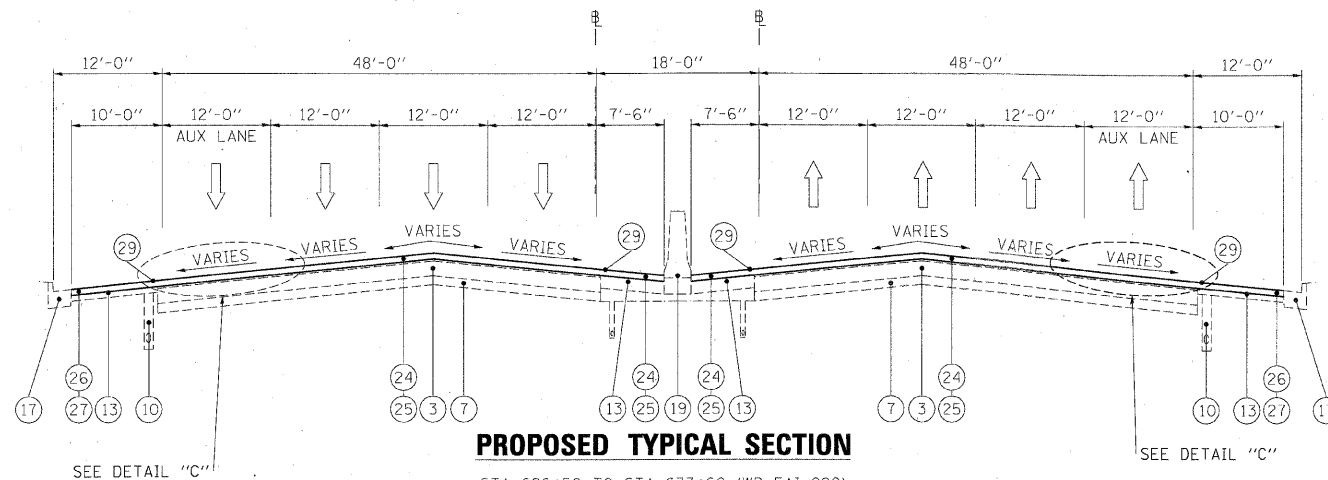


EXISTING TYPICAL SECTION

STA 626+50 TO STA 633+60 (WB FAI 290)
 STA 626+50 TO STA 636+60 (EB FAI 290)

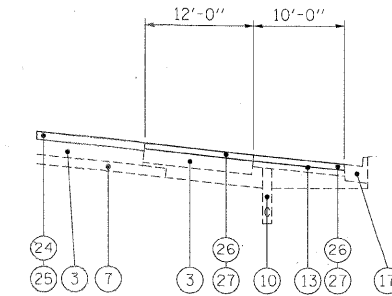


DETAIL "B"



PROPOSED TYPICAL SECTION

STA 626+50 TO STA 633+60 (WB FAI 290)
 STA 626+50 TO STA 636+60 (EB FAI 290)



DETAIL "C"

LEGEND

- ① EXISTING HMA OVERLAY, VARIES*
- 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 HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)

NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
2. 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.
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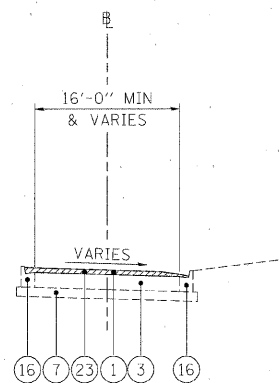
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 I-290 MAINLINE**

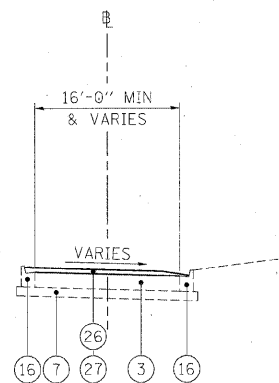
SCALE: N.T.S. SHEET NO. 10 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60C52	



EXISTING TYPICAL SECTION

MAINLINE RAMPS
(FAI -290)



PROPOSED TYPICAL SECTION

MAINLINE RAMPS
(FAI -290)

LEGEND

- ① EXISTING HMA OVERLAY, VARIES*
- 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 HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)

NOTES

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4. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
I-290 RAMPS**

SCALE: N.T.S. SHEET NO. 11 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60652	

CONTRACT 60G52
CURB SCHEDULE

LOCATION				COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
ALIGNMENT	DIRECTION	SIDE	STATION	(FOOT)	(FOOT)	(FOOT)
290	EB	L	494+50	340		340
290	EB	L	502+50	200		200
290	EB	R	506+50	43		43
290	EB	R	508+00	1,584		1,584
290	EB	R	524+50	30		30
290	WB	R	534+00	100		100
290	EB	R	557+50		5	
290	EB	R	560+00		5	
290	WB	L	612+00		5	
290	EB	R	615+00		5	
290	RAMP	R	1+00		8	
290	WB	R	619+50		6	
290	WB	L	625+50	90		90
290	EB	R	627+40		5	
290	EB	R	637+00	15		15
290	EB	R	651+00		10	
290	EB	R	653+00		10	
290	EB	R	661+00		5	
290	EB	R	663+00		5	
TOTAL				2,402	69	2,402

CONTRACT 60G52
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	POLYMERIZED HMA SURFACE COURSE, MIX "F", N90	POLYMERIZED HMA BINDER COURSE, IL-19.0, N90	HMA SURFACE REMOVAL, 3-1/4"	HMA SURFACE REMOVAL, 3-3/4"	HMA SURFACE REMOVAL, 4"
ALIGNMENT	DIRECTION	DESCRIPTION	STATION	STATION	(TON)	(TON)	(TON)	(TON)	(TON)	(TON)	(SQ YD)	(SQ YD)	(SQ YD)
I-88	EB	MAINLINE	478+67	503+35	1236	1026							9159
I-88	WB	MAINLINE	478+57	499+60	904	750							8694
I-88	EB	SHOULDER	487+58	498+63			267	401				3182	
I-88	WB	SHOULDER	478+67	499+57			420	631				5004	
I-88	EB	SHOULDER	487+58	498+58			36	55				433	
I-88	WB	SHOULDER	478+67	498+63			184	276				2190	
I-88	EB	SHOULDER	478+57	499+61			211	317				2512	
IL-38 RAMP	EB	RAMP	0+05	45+36					480	618			7,536
IL-38 RAMP	EB	OUTSIDE SHLDR	0+05	45+36			645	967				10,681	
IL-38 RAMP	WB	INSIDE SHLDR	0+07	48+06			344	515				4,492	
IL-38 RAMP	WB	INSIDE SHLDR					393	590				4,681	
IL-38 RAMP	WB	RAMP	3+15	51+00					858	1,103			9,836
IL-38 RAMP	WB	OUTSIDE SHLDR	02+08	17+06			83	124				1,005	
IL-38 RAMP	EB	INSIDE SHLDR	20+53	45+36			182	273				2,167	
290	WB	INSIDE SHLDR	489+85	499+64			116	174				1,379	
290	WB	MAINLINE	489+88	507+17	1,120	929							8,299
290	WB	OUTSIDE SHLDR	490+02	507+12			239	358				2,840	
290	EB	INSIDE SHLDR	492+40	501+16			67	100				797	
290	EB	INSIDE SHLDR	493+26	503+36			83	124				988	
290	EB	MAINLINE	493+26	507+19	955	792							7,071
290	WB	INSIDE SHLDR	499+57	507+18	79	66						588	
290	EB	INSIDE SHLDR	499+58	507+18	86	71						637	
290	EB	OUTSIDE SHLDR	501+06	507+23			73	109				866	
290	WB	OUTSIDE SHLDR	508+98	525+09			111	166				1,321	
290	WB	MAINLINE	509+06	525+09	1,093	907							8,097
290	WB	INSIDE SHLDR	509+07	525+08	168	139						1,245	
290	EB	INSIDE SHLDR	509+07	525+09	177	147						1,313	
290	EB	MAINLINE	509+08	525+09	886	735							6,563
290	EB	OUTSIDE SHLDR	509+15	525+08			159	239				1,898	
290	EB	OUTSIDE SHLDR	525+82	583+87			816	1,224				9,717	
290	WB	MAINLINE	525+82	593+25	4,620	3,833							34,222
290	WB	INSIDE SHLDR	525+82	593+25	720	597						5,330	
290	EB	INSIDE SHLDR	525+82	593+25	786	652						5,824	
290	WB	OUTSIDE SHLDR	525+83	534+91			118	178				1,409	
290	EB	MAINLINE	525+83	593+25	4,109	3,409							30,438
290	WB	OUTSIDE SHLDR	536+15	553+65			256	384				3,050	
290	WB	AUX LANE					396	594				4,716	
290	WB	OUTSIDE SHLDR	554+45	567+57			117	176				1,394	
290	WB	OUTSIDE SHLDR	567+60	576+90			93	139				1,103	
290	WB	OUTSIDE SHLDR	576+91	593+25			119	179				1,421	
290	WB	AUX LANE					265	398				3,155	
290	EB	OUTSIDE SHLDR	583+88	593+25			87	131				1,036	
290	EB	OUTSIDE SHLDR	594+90	602+05			57	86				679	
290	WB	OUTSIDE SHLDR	594+90	600+89			39	59				468	
290	WB	AUX LANE					111	166				1,320	
290	EB	MAINLINE	594+90	602+13	607	503							4,495
290	WB	MAINLINE	594+90	602+14	404	335							2,993
290	WB	INSIDE SHLDR	594+90	720+26	612	508						4,536	
290	EB	INSIDE SHLDR	594+90	720+26	991	823						7,344	
290	WB	RAMP	601+27	604+13	73	60					538		
290	WB	OUTSIDE SHLDR	601+28	615+91			148	223				1,766	
290	EB	RAMP	602+07	604+17	50	42					374		
290	EB	OUTSIDE SHLDR	602+08	615+47			149	223				1,769	
290	EB	MAINLINE	602+13	720+26	3,901	3,238							28,893
290	WB	MAINLINE	602+14	720+26	3,734	3,098							27,660
290	EB	RAMP OUTSIDE SHLDR	615+24	618+68			22	34			266		
290	EB	RAMP INSIDE SHLDR	615+47	618+53			41	61			486		
290	EB	RAMP	615+47	618+53	176	146					1,307		
290	EB	OUTSIDE SHLDR	615+47	621+71			29	43				339	
290	EB	AUX LANE					122	183				1,453	

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**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	(3435, ETC., 3838)RS-5	COOK	264	18
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G52	

CONTRACT 60G52
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	POLYMERIZED HMA SURFACE COURSE, MIX "F", N90	POLYMERIZED HMA BINDER COURSE, IL-19.0, N90	HMA SURFACE REMOVAL, 3-1/4"	HMA SURFACE REMOVAL, 3-3/4"	HMA SURFACE REMOVAL, 4"
290	WB	RAMP	615+96	618+54	145	120					1,073		
290	WB	RAMP OUTSIDE SHLDR	615+96	618+63			21	31			245		
290	WB	RAMP INSIDE SHLDR	615+97	618+54			60	90			712		
290	WB	OUTSIDE SHLDR	615+97	624+59			85	128				1,015	
290	WB	RAMP	619+32	624+59	137	114					1,014		
290	WB	RAMP INSIDE SHLDR	619+32	624+59			25	37			293		
290	WB	RAMP OUTSIDE SHLDR	619+34	624+59			24	35			280		
290	EB	RAMP INSIDE SHLDR	619+34	625+36			32	48			383		
290	EB	RAMP	619+34	625+61	161	133					1,192		
290	EB	RAMP OUTSIDE SHLDR	619+37	625+62			31	47			372		
290	EB	RAMP	619+38	621+71	153	127					1,130		
290	EB	RAMP INSIDE SHLDR	621+71	619+38			41	62			492		
290	EB	RAMP OUTSIDE SHLDR	621+71	619+29			23	35			277		
290	EB	OUTSIDE SHLDR	621+71	625+61			42	63				499	
290	WB	OUTSIDE SHLDR	624+58	634+36			80	120				953	
290	WB	AUX LANE					177	266				2,113	
290	EB	OUTSIDE SHLDR	625+62	637+99			107	160				1,273	
290	EB	AUX LANE					161	271				2,151	
290	WB	RAMP	635+15	637+37	54	45				402			
290	WB	OUTSIDE SHLDR	635+15	654+92			211	316				2,510	
290	EB	RAMP	638+81	643+09	116	96					859		
290	EB	OUTSIDE SHLDR	638+82	653+17			148	221				1,757	
290	EB	RAMP	650+22	653+17	77	64					570		
290	WB	RAMP	652+13	654+92	68	57					507		
290	EB	OUTSIDE SHLDR	653+36	679+39			144	216				1,712	
290	WB	OUTSIDE SHLDR	654+92	679+34			102	153				1,213	
TOTAL					28,400	23,561	8,132	12,198	1,338	1,721	12,773	123,246	191,956

CONTRACT 60G52
RUMBLE STRIP SCHEDULE

I-290 WESTBOUND - INSIDE SHOULDER			
STATION TO STATION	RUMBLE STRIP LENGTH (FOOT)	SHOULDER SURFACE TYPE	
499+57	507+17	762	HMA
509+05	525+07	1,607	HMA
525+82	593+25	6,737	HMA
594+90	668+00	7,310	HMA
TOTAL		16,416	

CONTRACT 60G52
RUMBLE STRIP SCHEDULE

I-290 WESTBOUND - OUTSIDE SHOULDER			
STATION TO STATION	RUMBLE STRIP LENGTH (FOOT)	SHOULDER SURFACE TYPE	
503+83	507+11	333	HMA
508+99	525+09	1,631	HMA
525+83	534+91	902	HMA
554+45	558+53	408	HMA
567+60	576+90	922	HMA
585+97	593+25	728	HMA
594+90	598+85	395	HMA
601+28	615+91	1,464	HMA
618+46	624+59	613	HMA
635+15	654+92	1,969	HMA
659+77	668+00	823	HMA
TOTAL		10,188	

CONTRACT 60G52
RUMBLE STRIP SCHEDULE

I-290 EASTBOUND - INSIDE SHOULDER			
STATION TO STATION	RUMBLE STRIP LENGTH (FOOT)	SHOULDER SURFACE TYPE	
493+20	503+37	1,004	HMA
506+40	507+19	79	HMA
509+08	525+09	1,596	HMA
525+83	593+25	6,750	HMA
594+90	668+00	7,310	HMA
TOTAL		16,739	

CONTRACT 60G52
RUMBLE STRIP SCHEDULE

I-290 EASTBOUND - OUTSIDE SHOULDER			
STATION TO STATION	RUMBLE STRIP LENGTH (FOOT)	SHOULDER SURFACE TYPE	
501+06	507+23	614	CONCRETE
509+14	525+08	1,573	HMA
525+82	583+86	5,832	HMA
610+21	615+47	526	HMA
621+71	625+62	391	HMA
638+81	653+17	1,440	HMA
654+76	668+00	1,324	HMA
TOTAL		11,700	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE 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	(3435, ETC., 3838)RS-5	COOK	264	19
CONTRACT NO. 60G52			ILLINOIS FED. AID PROJECT	

CONTRACT 60G52
TEMPORARY INFORMATION SIGNING - STAGE 1

STATION	LEGEND/DESCRIPTION	PANEL		PANEL
		COVER DIMENSIONS		COVER AREA
		WIDTH (FT)	HEIGHT (FT)	(SQ FT)
468+05	TRAFFIC	1.5	7.2	10.8
482+30	TRAFFIC	1.5	7.2	10.8
505+00	ALL LANES	1.8	12.5	22.9
522+50	ALL LANES	1.8	12.5	22.9
546+40	ALL LANES	1.8	12.5	22.9
522+50	LEFT 1/4 MILE	1.8	12.5	22.9
546+40	LEFT 3/4 MILE	1.8	12.5	22.9
600+00	COVER	12.0	17.5	210.0
590+80	COVER	8.0	14.0	112.0
NA	2010 REPAIR & RESURFACING	9.0	17.0	153.0
482+30	COVER	8.0	14.0	112.0
468+05	COVER	10.0	17.0	170.0
482+30	COVER	10.0	17.0	170.0
496+20	COVER	2.5	3.3	8.3
505+00	COVER	2.0	2.0	4.0
505+00	ARROW	2.0	2.0	4.0
TOTAL				1079.4

CONTRACT 60G52
TEMPORARY INFORMATION SIGNING - STAGE 2

STATION	LEGEND/DESCRIPTION	PANEL		PANEL
		COVER DIMENSIONS		COVER AREA
		WIDTH (FT)	HEIGHT (FT)	(SQ FT)
468+05	TRAFFIC	1.5	7.2	10.8
482+30	TRAFFIC	1.5	7.2	10.8
522+50	LEFT 1/4 MILE	1.8	12.5	22.9
546+40	LEFT 3/4 MILE	1.8	12.5	22.9
600+00	COVER	12.0	17.5	210.0
590+80	COVER	8.0	14.0	112.0
482+30	COVER	8.0	14.0	112.0
468+05	COVER	10.0	17.0	170.0
482+20	COVER	10.0	17.0	170.0
505+00	COVER	2.0	2.0	4.0
522+50	COVER	2.0	2.0	4.0
522+50	ARROW	2.0	2.0	4.0
TOTAL				853.3

CONTRACT 60G52
TEMPORARY PAVEMENT MARKING AND TEMPORARY IMPACT ATTENUATOR SCHEDULE

STAGE	WET REFLECTIVE TEMPORARY TAPE - LETTERS AND SYMBOLS	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5 INCH	TEMPORARY PAVEMENT MARKING - LINE 6"	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 8 INCH	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 12 INCH	PAVEMENT MARKING REMOVAL	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	EPOXY PAVEMENT MARKING - LINE 4 INCH	EPOXY PAVEMENT MARKING - LINE 8 INCH	EPOXY PAVEMENT MARKING - LINE 5 INCH	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3
	(SQ FT)	(FOOT)	(FOOT)		(FOOT)	(FOOT)	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)
1		34,262	2,220	5,641	14,086	1,684	10,258					15	2		
2	109	40,880	8,228	5,871	8,703	381	4,171							2	5
RESURFACING		7,624	10,510		1,334	1,150		1,000	286,562	31,812	58,408				
TOTAL	109	82,766	20,958	11,512	24,122	3,215	14,429	1,000	286,562	31,812	58,408	15	2	2	5

EASTBOUND SIGN SCHEDULE

SIGN NO.	STATION	LEGEND/DESCRIPTION	EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		REMOVE SIGN PANEL - TYPE 1 (SQ FT)	REMOVE SIGN PANEL - TYPE 2 (SQ FT)	REMOVE SIGN PANEL - TYPE 3 (SQ FT)	REMOVE SIGN ASSEMBLY - TYPE A EACH	REMOVE SIGN ASSEMBLY - TYPE B EACH	SIGN PANEL TYPE 1 (SQ FT)	SIGN PANEL TYPE 2 (SQ FT)	SIGN PANEL TYPE 3 (SQ FT)	WOOD SIGN SUPPORT (FOOT)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	REMOVAL OF LIGHTING UNIT, NO SALVAGE (EACH)
			WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)											
EB-TR-48	496+20	290 EAST - CHICAGO	17.0	10.0	17.0	10.0			170.0					170.0			1.0
EB-TR-49	496+20	EXIT 17 - 12 20 45 - MANNHEIM RD - EXIT ONLY	20.5	12.0	20.5	12.0			246.0					246.0			1.0
EB-WP-49A	501+36	W4-3R	4.0	4.0	4.0	4.0											
EB-WP-50	502+00	EXIT 17	6.0	5.0	6.0	5.0											
EB-WP-50A	502+82	W4-3R	4.0	4.0	4.0	4.0											
EB-TS-50B*	507+66	WOLF RD	5.8	1.5	5.8	1.5				1.0							
EB-TS-50C1	522+82	M3-2	2.5	1.3	2.5	1.3				1.0		8.8					
EB-TS-50C2	522+82	M1-1-3 (I 290)	PER MUTCD STD (9FT ²)		PER MUTCD STD (9FT ²)					1.0		3.1					
EB-TS-50E	526+26	R2-1 (55 MPH)	4.0	5.0	4.0	5.0											
EB-WP-50D	533+75	W4-3R	4.0	4.0	4.0	4.0				1.0							
EB-CL-51	538+00	EXIT 17A - 12 20 45 SOUTH - MANNHEIM RD - 1/4 MILE	19.0	12.0	19.0	12.0											
EB-PM-51A	541+20	TRUCKS - USE - 2 - RIGHT - LANES	4.0	5.0	4.0	5.0			228.0								
EB-TR-52	550+10	EXIT 17A - 12 20 45 SOUTH - MANNHEIM RD - EXIT ONLY	27.0	8.5	20.5	12.5			229.5				20.0				
EB-WP-52A	554+46	W13-3 (30 MPH)	3.0	4.0	4.0	5.0											
EB-TR-53	550+10	EXIT 17B - 12 20 45 NORTH - MANNHEIM RD - 1/4 MILE	27.0	8.0	19.5	12.0			216.0								
EB-WP-54	555+50	EXIT 17A	7.5	5.0	7.0	5.0											
EB-TS-54A	560+12	W4-1R	4.0	4.0	4.0	4.0				1.0							
EB-WP-54B*	563+30	US RT 12-20-45 - MANNHEIM RD	9.4	2.5	9.4	2.5							16.0				
EB-BM-55	563+50	EXIT 17B - 12 20 45 NORTH - MANNHEIM RD	20.5	10.0	20.5	10.0			205.0								
EB-TS-55A	566+37	W13-3 (20 MPH)	3.0	4.0	4.0	5.0											
EB-BM-56	563+50	290 EAST - CHICAGO	12.0	8.0	12.0	8.0			96.0								
EB-BM-57	563+50	EXITS 18A-B - 25TH AVE - 3/4 MILE	13.5	8.0	13.5	8.0			108.0								
EB-WP-58	567+60	EXIT 17B	7.5	5.0	7.0	5.0			37.5								
EB-TS-58A	568+49	W9-1	4.0	4.0	4.0	4.0											
EB-TS-58B	570+37	W4-1R	4.0	4.0	4.0	4.0											
EB-PM-58C	575+70	W4-2R	4.0	4.0	4.0	4.0											
EB-WP-58D*	577+60	WESTCHESTER BLVD	10.8	1.5	10.8	1.5											
EB-BM-59	577+80	EXIT 18A - SOUTH - 25TH AVE - 1/2 MILE	13.0	10.0	13.0	10.0			130.0								
EB-WP-59A	582+70	W4-3R	4.0	4.0	4.0	4.0											
EB-TS-59B	590+80	R2-1 (55 MPH)	4.0	5.0	4.0	5.0											
EB-TS-59C1	593+38	M3-2	2.5	1.3	2.5	1.3				1.0							
EB-TS-59C2	593+38	M1-1-3 (I 290)	PER MUTCD STD (9FT ²)		PER MUTCD STD (9FT ²)					1.0		9.0					
EB-CL-60	590+80	RIGHT LANE - ENDS - 1000 FEET	14.0	8.0	14.0	8.0			112.0								
EB-TR-61	600+00	EXIT 19A - 17TH AVE - 1/2 MILE	13.0	7.5	13.0	7.5			97.5								
EB-TR-62	600+00	EXIT 18B - NORTH - 25TH AVE - 1/4 MILE	13.5	7.5	13.5	8.5			101.3								
EB-TR-63	600+00	RIGHT LANE - ENDS - X	14.0	10.0	14.0	10.0			140.0								
EB-TR-64	600+00	EXIT 18A - SOUTH - 25TH AVE	17.0	7.5	17.0	7.5			127.5								
EB-PM-64A	600+42	W13-3 (25 MPH)	3.0	4.0	4.0	5.0			12.0								
EB-WP-65	602+50	EXIT 18A	7.5	5.0	7.0	5.0											
EB-TS-65A	614+37	W4-1R	4.0	4.0	4.0	4.0											
EB-TS-65B	618+44	25TH AVE	6.3	1.5	6.3	1.5											
EB-BM-66	618+50	EXIT 19A - 17TH AVE - 1/4 MILE	13.0	8.5	13.0	8.5			110.5								
EB-BM-67	618+50	EXIT 18B - NORTH - 25TH AVE	17.0	8.5	17.0	8.5			144.5								
EB-BM-67B	618+50	14FT 3IN	5.5	1.5	5.5	1.5											
EB-PM-67A	620+76	W13-3 (25 MPH)	3.0	4.0	4.0	5.0			12.0								
EB-WP-68	621+80	EXIT 18B	7.5	5.0	7.0	5.0											
EB-TS-68A	624+89	W4-1R	4.0	4.0	4.0	4.0											
EB-CL-69	636+00	EXIT 19A - 17TH AVE	16.0	7.0	16.0	7.0			112.0								
EB-PM-69A	638+48	W13-3 (25 MPH)	3.0	4.0	4.0	5.0											
EB-WP-70	639+20	EXIT 19A	7.5	5.0	7.0	5.0											
EB-PM-70A	644+45	TRUCKS - USE - 2 - RIGHT - LANES	4.0	5.0	4.0	5.0			20.0								
EB-TS-70B*	645+40	17TH AVE	6.1	1.5	6.1	1.5											
EB-BM-71	645+50	EXIT 20 - IL 171 - 1ST AVE - 1 MILE	11.5	8.5	11.5	9.5			97.8								
EB-BM-71E	645+50	14FT 3IN	5.5	1.5	5.5	1.5											
EB-TS-71A	651+88	W4-1R	4.0	4.0	4.0	4.0											
EB-TS-71B	662+16	R2-1 (55 MPH)	4.0	5.0	4.0	5.0											
EB-TS-71C1	665+11	M3-2	2.5	1.3	2.5	1.3				1.0							
EB-TS-71C2	665+11	M1-1-3 (I 290)	PER MUTCD STD (9FT ²)		PER MUTCD STD (9FT ²)					1.0		9.0					
EB-WP-71F	662+00	14FT 3IN	4.0	4.0	4.0	4.0											
EASTBOUND SUBTOTAL							9	92	2709	8	1.0	62	451	2947	36.0	288	18

*EXISTING SIGN DIMENSIONS NOT AVAILABLE; PROPOSED SIGN DIMENSIONS USED

FILE NAME =	DESIGNED - SEW	REVISED -
#FILE#	DRAWN - SEW	REVISED -
USER NAME = #USER#	CHECKED - FML	REVISED -
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -



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	(3435, ETC., 3838)RS-5	COOK	264	21

CONTRACT NO. 60G52

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

WESTBOUND SIGN SCHEDULE			EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		REMOVE SIGN PANEL-TYPE 1	REMOVE SIGN PANEL-TYPE 2	REMOVE SIGN PANEL-TYPE 3	REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	WOOD SIGN SUPPORT	TELESCOPING STEEL SIGN SUPPORT	REMOVAL OF LIGHTING UNIT, NO SALVAGE
SIGN NO.	STATION	LEGEND/DESCRIPTION	WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)	(SQ FT)	(SQ FT)	(SQ FT)	EACH	EACH	(SQ FT)	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(EACH)
WB-CL-59	489+90	EXIT 15B - I 294 NORTH TOLLWAY - MILWAUKEE - EXIT ONLY	11.0	8.0	14.0	12.5			88.0					175.0			1.0
WB-WP-60	503+00	EXIT 15A	7.5	5.0	7.0	5.0					1.0			35.0	36.0		
WB-TR-61	505+00	LEFT EXIT 15A - I 88 WEST TOLLWAY I-294 SOUTH TOLLWAY - AURORA INDIANA - EXIT ONLY	25.0	10.5	25.0	11.5			262.5					287.5			1.0
WB-TR-62	505+00	EXIT 15B - I 290 WEST I-294 NORTH TOLLWAY - ROCKFORD MILWAUKEE	25.0	10.5	25.0	11.5			262.5					287.5			1.0
WB-WM-62A*	509+00	WOLF RD	1.8	8.7	1.8	8.7		15.2				15.2					
WB-TR-63	522+50	LEFT EXIT 15A - I 88 WEST TOLLWAY I-294 SOUTH TOLLWAY - AURORA INDIANA - EXIT ONLY	25.0	10.5	25.0	11.5			262.5					287.5			1.0
WB-TR-64	522+50	EXIT 15B - I 290 WEST I-294 NORTH TOLLWAY - ROCKFORD MILWAUKEE	25.0	10.5	25.0	11.5			262.5					287.5			1.0
WB-PM-64A	522+50	R2-1 (55 MPH)	4.0	5.0	4.0	5.0		20.0				20.0					
WB-GM-65	530+00	O'HARE - USE I 294 NORTH - EXIT 15B	16.0	10.0	16.0	10.5			160.0					168.0			
WB-WP-66	535+00	EXIT 16	6.0	5.0	6.0	5.0					1.0			30.0	36.0		
WB-WM-66A	540+81	W13-3 (30 MPH)	3.0	4.0	4.0	5.0		12.0				20.0					
WB-TR-67	541+20	LEFT EXIT 15A - IL 38 ROOSEVELT RD - LEFT 3/4 MILE	23.5	9.5	23.5	9.5			223.3					223.3			1.0
WB-TR-68	541+20	EXIT 16 - WOLF RD	14.5	8.5	14.5	8.5			123.3					123.3			1.0
WB-TR-69	546+40	LEFT EXIT 15A - I 88 WEST TOLLWAY I-294 SOUTH TOLLWAY - AURORA INDIANA - EXIT ONLY	24.0	12.0	25.0	12.0			288.0					300.0			1.0
WB-TR-70	546+40	EXIT 15B - I 290 WEST I-294 NORTH TOLLWAY - ROCKFORD MILWAUKEE	24.0	12.0	25.0	12.0			288.0					300.0			1.0
WB-WP-70A	558+77	W4-1R	4.0	4.0	4.0	4.0					1.0		16.0		18.0		
WB-BM-71	565+70	EXIT 16 - WOLF RD - 1/2 MILE	11.0	8.0	11.5	8.0			88.0					92.0			1.0
WB-BM-71A*	565+70	US RT 12-20-45 - MANNHEIM RD	9.4	2.5	9.4	2.5		23.6				23.6					
WB-WP-71B	568+32	W4-3R	4.0	4.0	4.0	4.0		16.0				16.0			18.0		
WB-PM-71C	572+00	END - TRUCK - LANE - RESTRICTIONS	4.0	5.0	4.0	5.0		20.0				20.0					
WB-WP-72	576+50	EXIT 17	6.0	5.0	6.0	5.0					1.0		30.0	36.0			
WB-BM-72A*	579+21	WESTCHESTER BLVD	10.8	1.5	10.8	1.5		16.2				16.2					
WB-TS-72B	580+08	W13-3 (30 MPH)	3.0	4.0	4.0	5.0					1.0		20.0		18.0		
WB-TR-73	582+85	LEFT EXIT 15A - I 88 WEST TOLLWAY I-294 SOUTH TOLLWAY - AURORA INDIANA - LEFT 1 1/2 MILES	23.5	12.5	24.0	12.5			293.8					300.0			1.0

*EXISTING SIGN DIMENSIONS NOT AVAILABLE; PROPOSED SIGN DIMENSIONS USED


FILE NAME =	DESIGNED - SEW	REVISED -	 LIN ENGINEERING, LTD. Consulting Engineers <small>Chatham, Illinois Westmont, Illinois</small>	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL*	DRAWN - SEW	REVISED -			290	(3435, ETC., 3838)RS-5	COOK	264	22			
USER NAME = #USER*	CHECKED - FML	REVISED -			CONTRACT NO. 60G52							
PLOT DATE = #DATE*	DATE = 1/25/10	REVISED -			SCALE: N.T.S.	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

WESTBOUND SIGN SCHEDULE (CONTINUED)			EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		REMOVE SIGN PANEL-TYPE 1	REMOVE SIGN PANEL-TYPE 2	REMOVE SIGN PANEL-TYPE 3	REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	WOOD SIGN SUPPORT	TELESCOPING STEEL SIGN SUPPORT	REMOVAL OF LIGHTING UNIT, NO SALVAGE	
SIGN NO.	STATION	LEGEND/DESCRIPTION	WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)	(SQ FT)	(SQ FT)	(SQ FT)	EACH	EACH	(SQ FT)	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(EACH)	
WB-TR-74	582+85	EXIT 16 - WOLF RD - 3/4 MILE	14.0	10.0	14.0	10.0			140.0					140.0			1.0	
WB-TR-75	582+85	EXIT 17- 12 20 45 - MANNHEIM RD	17.0	12.0	18.0	12.0			204.0					216.0			1.0	
WB-PM-75A	584+58	RIGHT - LANE - MUST - EXIT	4.0	5.0	4.0	5.0		20.0				20.0						
WB-TS-75B1	590+92	M3-4	2.5	1.3	2.5	1.3				1.0		3.1				18.0		
WB-TS-75B2	590+92	M1-1-3 (I 290)	PER MUTCD	STD (9FT ²)	PER MUTCD	STD (9FT ²)				1.0		9.0						
WB-CL-76	595+90	EXIT 17 - 12 20 45 - MANNHEIM RD - 1/4 MILE	17.0	12.0	17.5	12.0			204.0					210.0			1.0	
WB-WP-76A	602+06	W4-3R	4.0	4.0	4.0	4.0					1.0		16.0	18.0				
EB-WP-77	615+50	EXIT 18A	7.5	5.0	7.0	5.0					1.0			35.0	36.0			
WB-PM-77A	616+52	W13-3 (25 MPH)	3.0	4.0	4.0	5.0		12.0					20.0					
WB-BM-78	619+50	EXIT 18A - SOUTH - 25TH AVE	15.5	7.5	15.5	8.0			116.3					124.0			1.0	
WB-BM-78A*	619+50	25TH AVE	6.3	1.5	6.3	1.5		9.4					9.4					
WB-BM-78B	619+50	14FT 4IN	5.5	1.5	5.5	1.5	8.3					8.3						
WB-WP-79	623+70	EXIT 18B	7.5	5.0	7.0	5.0			37.5					35.0	36.0			
WB-TR-80	624+50	EXIT 17 - 12 20 45 - MANNHEIM RD - 3/4 MILE	18.0	12.0	18.0	12.0			216.0					216.0			1.0	
WB-TR-81	624+50	EXIT 18A - SOUTH - 25TH AVE - 1/4 MILE	18.0	12.0	18.0	12.0			216.0					216.0			1.0	
WB-TR-82	624+50	EXIT 18B - NORTH - 25TH AVE	17.0	12.0	17.0	12.0			204.0					204.0			1.0	
WB-PM-82B	625+02	W13-3 (30 MPH)	3.0	4.0	4.0	5.0		12.0					20.0					
WB-WP-82A	635+48	W4-1R	4.0	4.0	4.0	4.0								16.0	18.0			
WB-GM-83	646+20	EXIT 18B - NORTH - 25TH AVE - 1/2 MILE	14.0	10.0	14.0	10.0			140.0					140.0				
WB-GM-83A*	646+20	17TH AVE	6.1	1.5	6.1	1.5		9.2					9.2					
WB-BM-83B	646+20	14FT 4IN	5.5	1.5	5.5	1.5				1.0		8.3						
WB-WP-84	654+00	EXIT 19A	7.5	5.0	7.0	5.0					1.0			35.0	36.0			
WB-PM-84A	655+90	W13-3 (30 MPH)	3.0	4.0	4.0	5.0		12.0					20.0					
WB-CL-85	661+10	EXIT 19A - 17TH AVE	15.0	7.0	15.0	7.0			105.0					105.0			1.0	
WESTBOUND SUBTOTAL								9	198	4185	3	9	29	298	4603	288	36	19

MILE POST MARKER ASSEMBLY

DIRECTION	EACH
EASTBOUND	6
WESTBOUND	6
TOTAL	12

*EXISTING SIGN DIMENSIONS NOT AVAILABLE; PROPOSED SIGN DIMENSIONS USED

FILE NAME =	DESIGNED - SEW	REVISED -	 LIN ENGINEERING, LTD. Consulting Engineers <small>Channah, Illinois Westmont, Illinois</small>	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#	DRAWN - SEW	REVISED -			290	(3435, ETC., 3838)RS-5	COOK	264	23			
USER NAME = #USER#	CHECKED - FML	REVISED -			CONTRACT NO. 60G52							
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -			SCALE: N.T.S.	SHEET NO. 3 OF 3 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

UPSTREAM MH STA - O/S*	DOWNSTREAM MH STA - O/S*	PIPE SIZE	LOCATION DIST. FROM US MH	MAIN DRAIN CLEANING	APPROXIMATE VOLUME OF DEBRIS
FROM EB ALIGNMENT	FROM EB ALIGNMENT	H X W	FT	FT	CU. YD
575+00 - 80' L	581+30 - 5' R	6' x 4'9"	321.8	5.0	1.6
575+00 - 80' L	581+30 - 5' R	6' x 4'9"	10.5	10.0	2.0
581+30 - 5' R	587+75 - 5' R	6' x 4'9"	275.1	2.0	0.5
587+75 - 5' R	593+50 - 5' R	6' x 4'9"	0.0	550.0	10.0
593+50 - 5' R	600+00 - 5' R	6' x 4'8"	365.4	319.0	35.0
600+00 - 5' R	606+10 - 5' R	6' x 4'8"	605.2	600.0	35.0
606+10 - 5' R	612+15 - 7' R	6' x 5'	239.0	200.0	20.0
612+15 - 7' R	618+25 - 17' R	6' x 5'	66.9	70.0	10.5
612+15 - 7' R	618+25 - 17' R	6' x 5'	110.0	25.0	5.0
612+15 - 7' R	618+25 - 17' R	6' x 5'	265.0	40.0	9.0
612+15 - 7' R	618+25 - 17' R	6' x 5'	323.6	2.0	0.5
618+25 - 17' R	625+40 - 17' R	6' x 5'	730.4	400.0	45.0
625+40 - 17' R	632+60 - 0'	6' x 5'	737.8	80.0	7.0
625+40 - 17' R	632+60 - 0'	6' x 5'	605.6	3.0	0.5
625+40 - 17' R	632+60 - 0'	6' x 5'	227.6	3.0	0.5
625+40 - 17' R	632+60 - 0'	6' x 5'	192.6	3.0	0.5
625+40 - 17' R	632+60 - 0'	6' x 5'	117.4	70.0	6.2
632+60 - 0'	641+15 - 110' L	6'6" x 6'6"	309.3	600.0	94.0
641+15 - 110' L	646+94 100' L	6'6" x 6'6"	212.4	366.6	40.0
641+15 - 110' L	646+94 100' L	6'5" x 6'5"	0.0	225.0	35.0
641+15 - 110' L	646+94 100' L	6'5" x 6'5"	196.2	3.0	0.5
646+94 100' L	651+75 - 85' L	6'6" x 6'6"	471.6	470.0	30.0
646+94 100' L	651+75 - 85' L	6'6" x 6'6"	52.1	2.0	0.5
651+75 - 85' L	658+80 - 120' L	6'6" x 6'6"	701.8	702.0	40.0
			TOTAL	4751	

UPSTREAM MH STA - O/S*	DOWNSTREAM MH STA - O/S*	PIPE SIZE	LOCATION DIST. FROM US MH	MAIN DRAIN JOINT REPAIR
FROM EB ALIGNMENT	FROM EB ALIGNMENT	H X W	FT	FT
575+00 - 80' L	581+30 - 5' R	6' x 4'9"	208.3	2.0
575+00 - 80' L	581+30 - 5' R	6' x 4'9"	143.2	15.7
581+30 - 5' R	587+75 - 5' R	6' x 4'9"	142.4	2.0
581+30 - 5' R	587+75 - 5' R	6' x 4'9"	184.2	2.0
581+30 - 5' R	587+75 - 5' R	6' x 4'9"	275.1	3.0
581+30 - 5' R	587+75 - 5' R	6' x 4'9"	662.8	4.0
587+75 - 5' R	593+50 - 5' R	6' x 4'9"	181.8	2.0
587+75 - 5' R	593+50 - 5' R	6' x 4'9"	237.2	3.0
593+50 - 5' R	600+00 - 5' R	6' x 4'8"	170.6	2.0
600+00 - 5' R	606+10 - 5' R	6' x 4'8"	553.7	2.0
612+15 - 7' R	618+25 - 17' R	6' x 5'	146.9	2.0
612+15 - 7' R	618+25 - 17' R	6' x 5'	305.1	2.0
612+15 - 7' R	618+25 - 17' R	6' x 5'	416.7	2.0
618+25 - 17' R	625+40 - 17' R	6' x 5'	689.4	3.5
618+25 - 17' R	625+40 - 17' R	6' x 5'	602.6	6.0
625+40 - 17' R	632+60 - 0'	6' x 5'	605.6	5.0
625+40 - 17' R	632+60 - 0'	6' x 5'	556.6	3.5
632+60 - 0'	641+15 - 110' L	6'6" x 6'6"	419.2	2.0
632+60 - 0'	641+15 - 110' L	6'6" x 6'6"	430.5	2.0
632+60 - 0'	641+15 - 110' L	6'6" x 6'6"	609.9	2.0
641+15 - 110' L	646+94 100' L	6'5" x 6'5"	236.2	2.0
641+15 - 110' L	646+94 100' L	6'5" x 6'5"	245.4	2.0
651+75 - 85' L	658+80 - 120' L	6'6" x 6'6"	23.0	3.0
658+80 - 120' L	665+80 - 120' L	6'6" x 6'6"	0.9	2.0
658+80 - 120' L	665+80 - 120' L	6'6" x 6'6"	10.0	2.0
			TOTAL	78.7

• THE STATIONS PROVIDED FOR THE PROPOSED CLEANING AND REPAIR LOCATIONS ARE BASED ON PREVIOUS PLANIMETRICS AND AERIAL PHOTOGRAPHY, AND IS NOT THE RESULT OF A GROUND SURVEY. THE STATIONING IS PROVIDED FOR REFERENCE PURPOSES ONLY.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

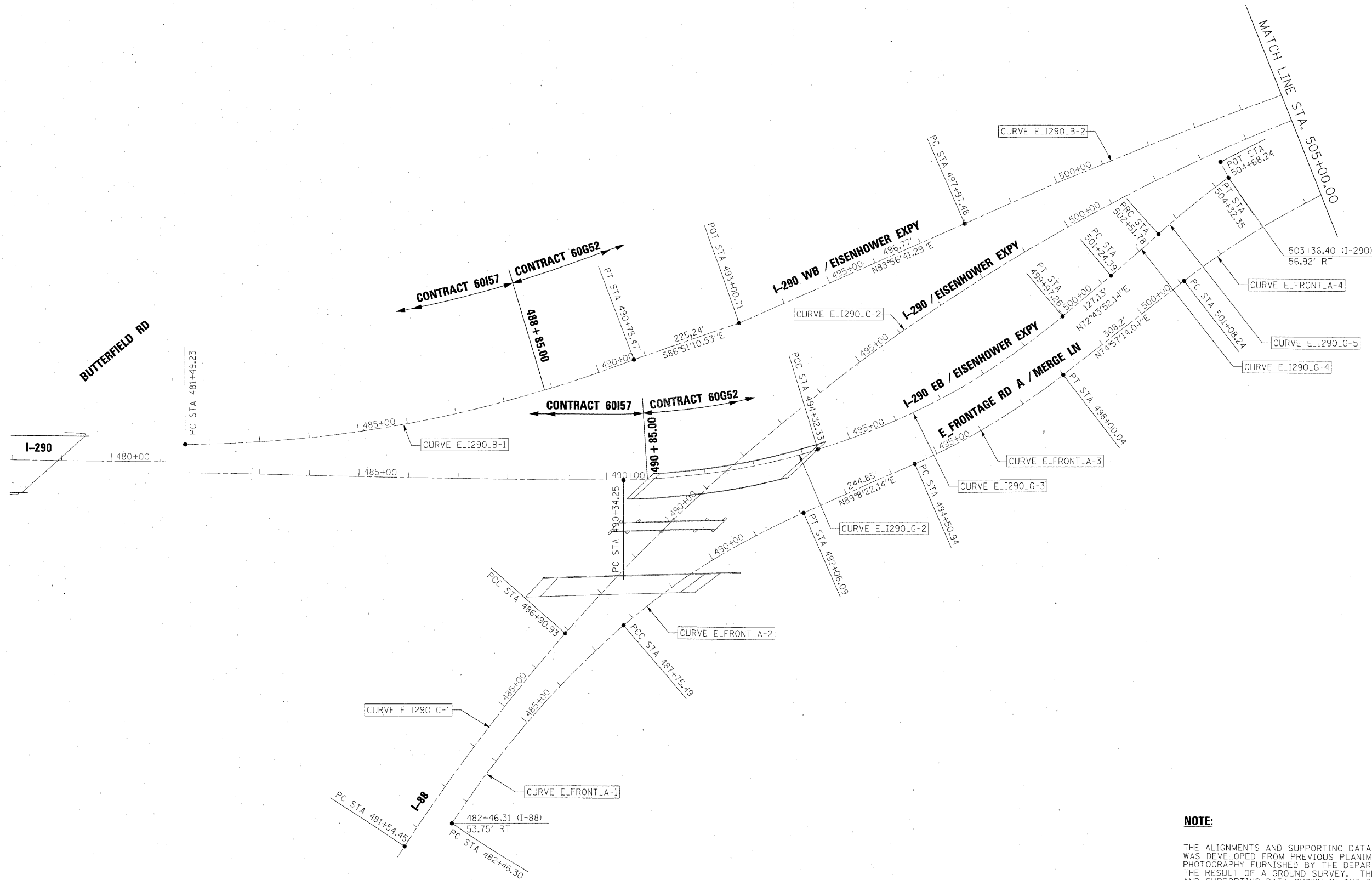
SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	24
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60052	

DRAINAGE STRUCTURE STA - O/S*	DRAINAGE STRUCTURES TO BE CLEANED
FROM EB ALIGNMENT	EACH
575+00 - 80' L	1
581+30 - 5' R	1
587+75 - 5' R	1
593+50 - 5' R	1
600+00 - 5' R	1
606+10 - 5' R	1
612+15 - 7' R	1
618+25 - 17' R	1
625+40 - 17' R	1
632+60 - 0'	1
641+15 - 110' L	1
646+94 100' L	1
651+75 - 85' L	1
658+80 - 120' L	1
JOBSITE	343
TOTAL	357

PUMP STATION	AREA	DEPTH	VOLUME OF WET PIT	VOLUME OF DEBRIS IN WET PIT (ASSUME 25% FULL)	CLEANING OF WET PIT PRIOR TO CONSTRUCTION**	CLEANING OF WET PIT AFTER COMPLETION OF CONSTRUCTION**	CLEANING OF WET PIT TOTAL**
NO.	SQ YD	FT	CU YD	CU YD	TONS	TONS	TONS
20	14	17	79	20	29	29	58

- THE STATIONS PROVIDED FOR THE PROPOSED CLEANING AND REPAIR LOCATIONS ARE BASED ON PREVIOUS PLANIMETRICS AND AERIAL PHOTOGRAPHY, AND IS NOT THE RESULT OF A GROUND SURVEY. THE STATIONING IS PROVIDED FOR REFERENCE PURPOSES ONLY.
- ** AN ESTIMATED DEBRIS DENSITY OF 110 LB/CF HAS BEEN UTILIZED.



NOTE:

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.

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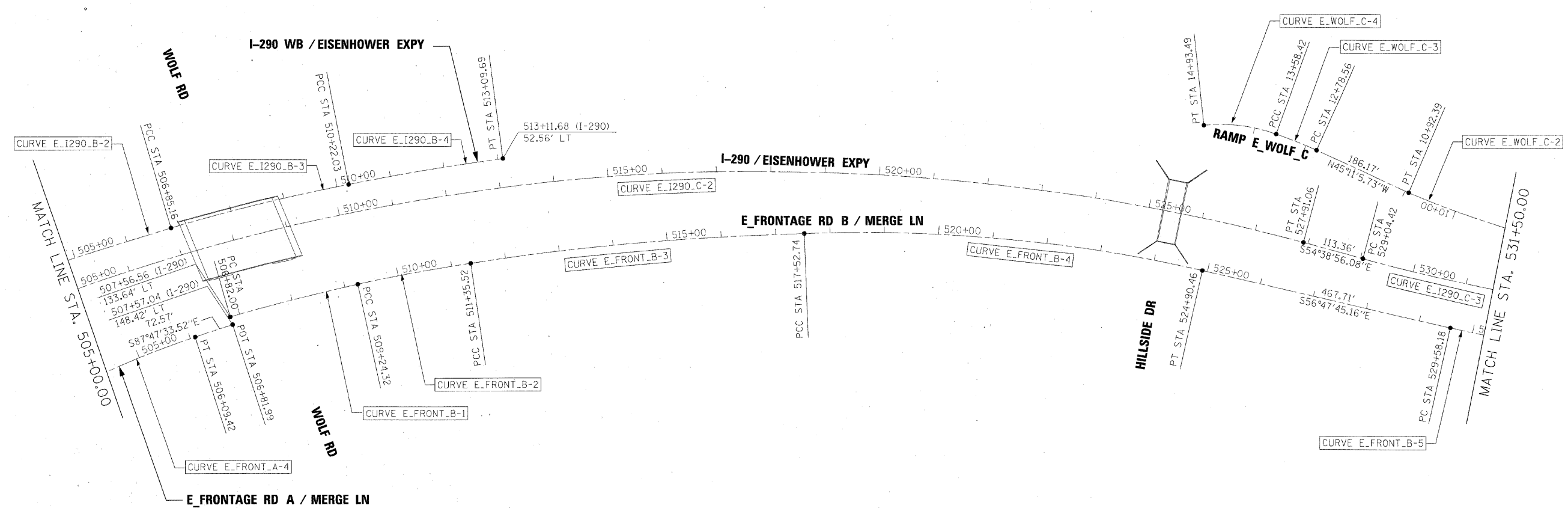
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 MAINLINE POB TO STA 505+00**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	26
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60G52				



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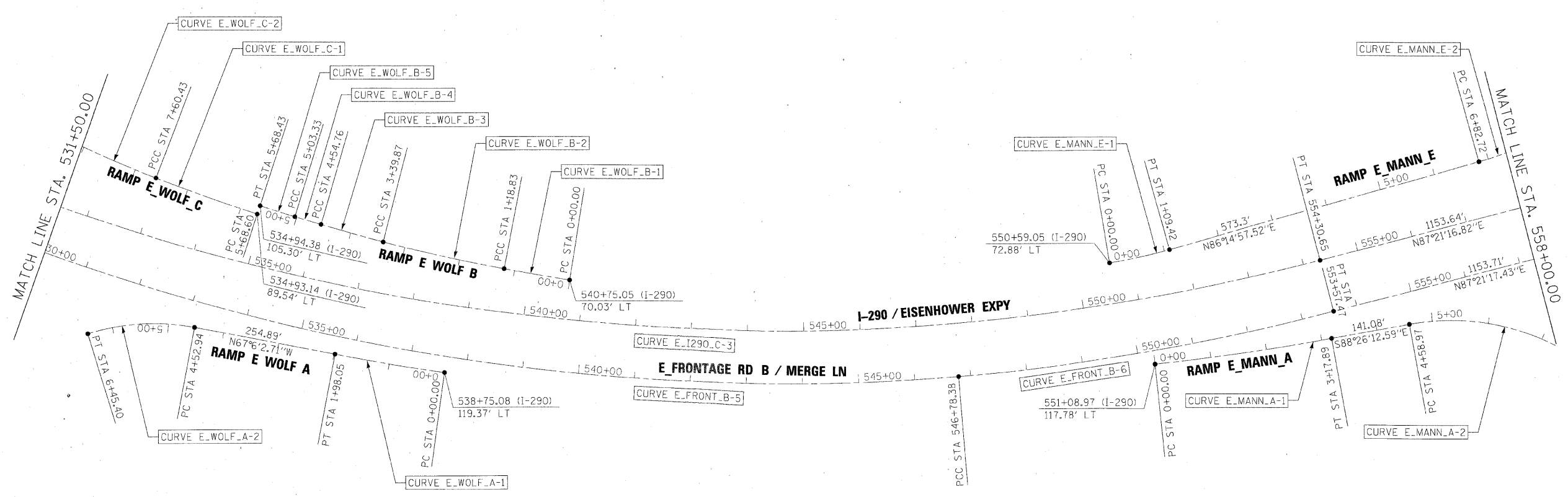
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT PLAN
I-290 MAINLINE STA 505+00 TO STA 531+50

SCALE: 1"=100' SHEET NO. 2 OF 22 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	27
CONTRACT NO. 60052				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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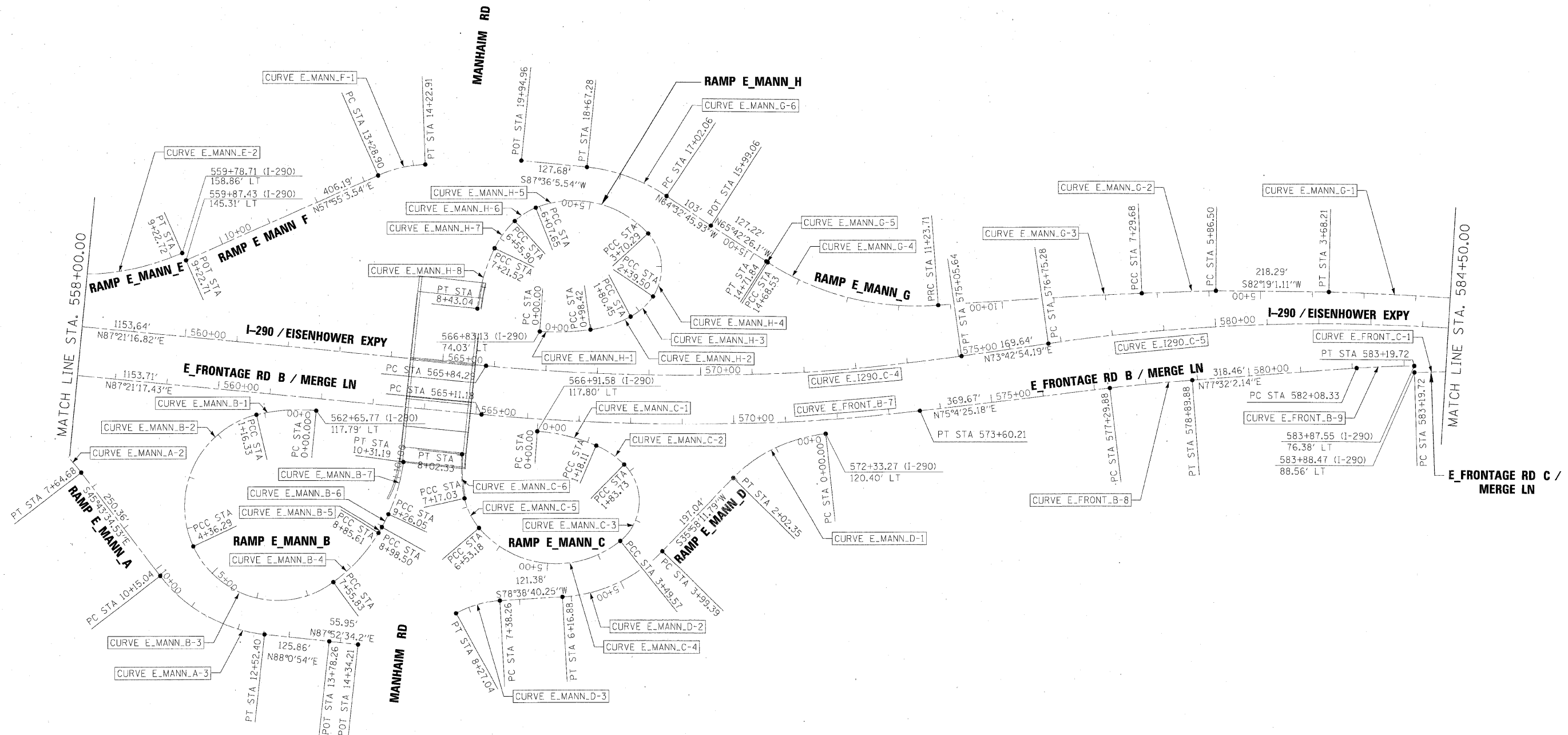
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT PLAN
I-290 MAINLINE STA 531+50 TO STA 558+00

SCALE: 1"=100' SHEET NO. 3 OF 22 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	28
CONTRACT NO. 60G52				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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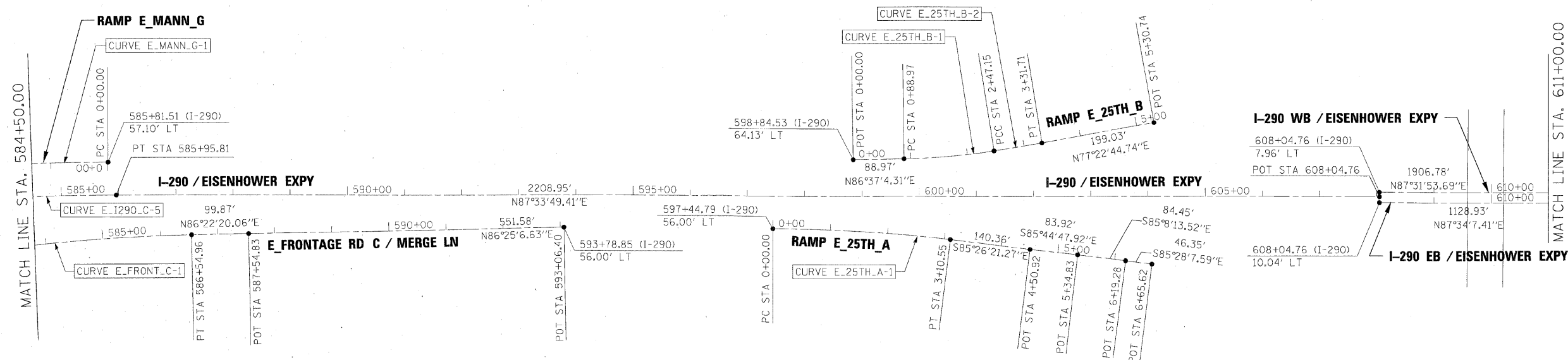
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 MAINLINE STA 558+00 TO STA 584+50**

SCALE: 1"=100' SHEET NO. 4 OF 22 SHEETS STA. TO STA.

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	29
CONTRACT NO. 60G52				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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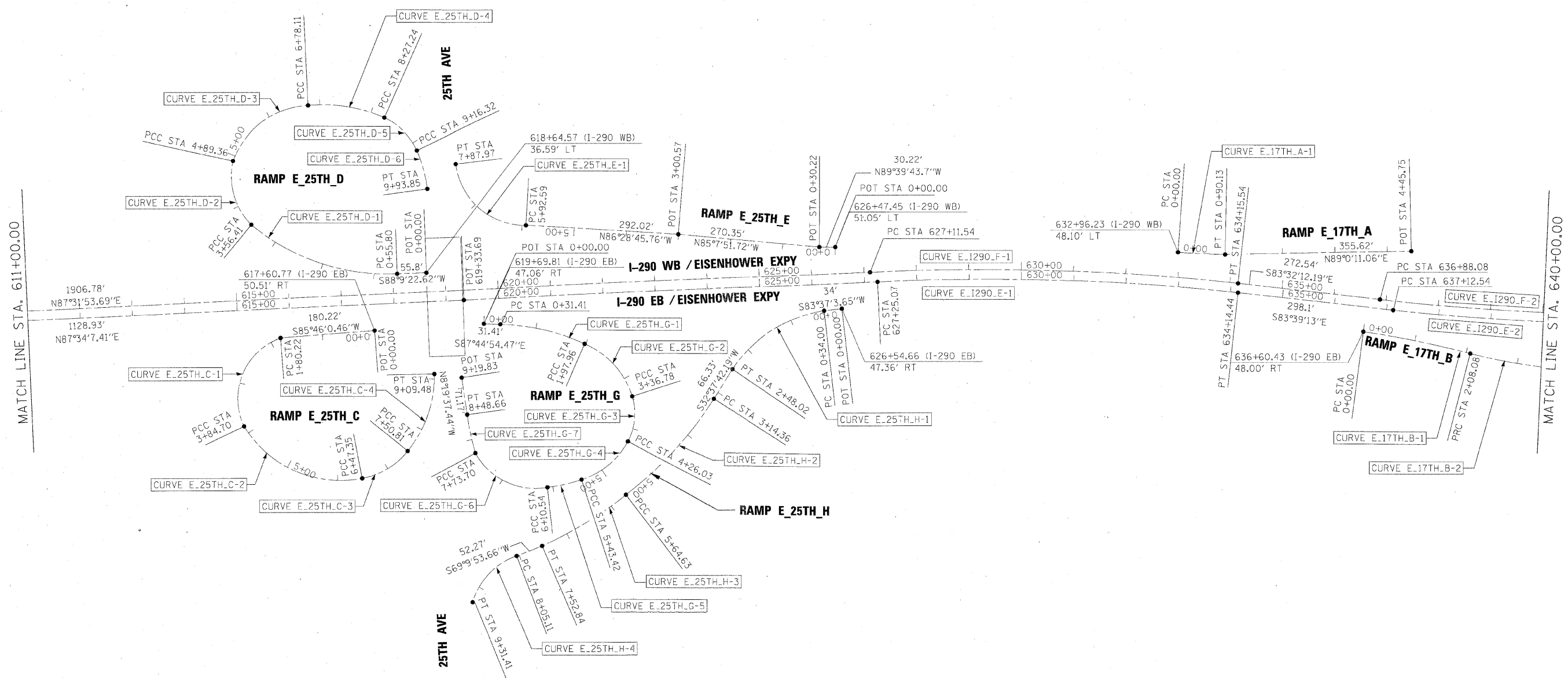
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 MAINLINE STA 584+50 TO STA 611+00**

SCALE: 1"=100' SHEET NO. 5 OF 22 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	30
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	



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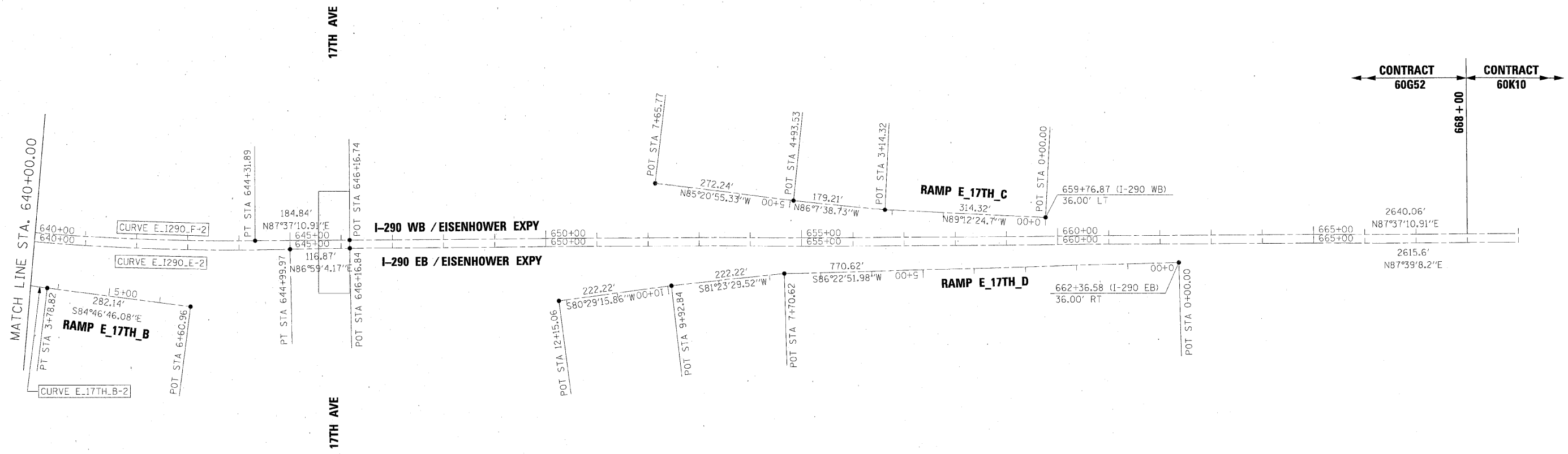
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 MAINLINE STA 611+00 TO STA 640+00**

SCALE: 1"=100' SHEET NO. 6 OF 22 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	31
CONTRACT NO. 60G52				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 MAINLINE STA 640+00 TO POE**

SCALE: "1"=100' SHEET NO. 7 OF 22 SHEETS STA. TO STA.

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	

I-290 WB

Curve Data

Curve E.I290.B-1
 P.I. Station 486+17.44 N 1,896,979.8029 E 1,099,387.6438
 Delta = 20° 39' 51.08" (LT)
 Degree = 2° 13' 51.52"
 Tangent = 468.2056
 Length = 926.2389
 Radius = 2,568.1908
 External = 42.3303
 Long Chord = 921.2271
 Mid. Ord. = 41.6439
 P.C. Station 481+49.23 N 1,897,158.8804 E 1,098,955.0380
 P.T. Station 490+75.47 N 1,896,964.9087 E 1,099,855.6125
 C.C. 1,899,531.7997 E 1,099,937.3097
 Back = S 67° 30' 46.28" E
 Ahead = S 88° 10' 37.36" E
 Chord Bear = S 77° 50' 41.82" E

Course from PT E.I290.B-1 to 56 S 86° 51' 10.53" E Dist 225.2444

Point 56 N 1,896,952.5430 E 1,100,080.5172 Sta 493+00.71

Course from 56 to PC E.I290.B-2 N 88° 56' 41.29" E Dist 496.7656

Curve Data

Curve E.I290.B-2
 P.I. Station 502+41.59 N 1,896,969.8698 E 1,101,021.2324
 Delta = 4° 51' 59.67" (RT)
 Degree = 0° 32' 53.64"
 Tangent = 444.1092
 Length = 887.6844
 Radius = 10,451.0000
 External = 9.4318
 Long Chord = 887.4175
 Mid. Ord. = 9.4233
 P.C. Station 497+97.48 N 1,896,961.6912 E 1,100,577.1985
 P.T. Station 506+85.16 N 1,896,940.3489 E 1,101,464.3593
 C.C. 1,886,512.4635 E 1,100,769.6602
 Back = N 88° 56' 41.29" E
 Ahead = S 86° 11' 19.04" E
 Chord Bear = S 88° 37' 18.88" E

Curve Data

Curve E.I290.B-3
 P.I. Station 508+53.72 N 1,896,929.1444 E 1,101,632.5473
 Delta = 5° 28' 31.59" (RT)
 Degree = 1° 37' 31.48"
 Tangent = 168.5607
 Length = 336.8648
 Radius = 3,525.0000
 External = 4.0279
 Long Chord = 336.7367
 Mid. Ord. = 4.0233
 P.C. Station 506+85.16 N 1,896,940.3489 E 1,101,464.3593
 P.T. Station 510+22.03 N 1,896,901.9426 E 1,101,798.8986
 C.C. 1,893,423.1452 E 1,101,230.0454
 Back = S 86° 11' 19.04" E
 Ahead = S 80° 42' 47.45" E
 Chord Bear = S 83° 27' 03.25" E

Curve Data

Curve E.I290.B-4
 P.I. Station 511+65.91 N 1,896,878.7241 E 1,101,940.8900
 Delta = 3° 32' 30.23" (RT)
 Degree = 1° 13' 52.35"
 Tangent = 143.8772
 Length = 287.6627
 Radius = 4,653.6168
 External = 2.2236
 Long Chord = 287.6169
 Mid. Ord. = 2.2226
 P.C. Station 510+22.03 N 1,896,901.9426 E 1,101,798.8986
 P.T. Station 513+09.69 N 1,896,846.7785 E 1,102,081.1758
 C.C. 1,892,309.3213 E 1,101,047.9129
 Back = S 80° 42' 47.45" E
 Ahead = S 77° 10' 17.22" E
 Chord Bear = S 78° 56' 32.34" E

I-290 EB

Curve Data

Curve E.I290.G-2
 P.I. Station 492+34.53 N 1,896,677.2050 E 1,099,929.4215
 Delta = 15° 36' 16.97" (LT)
 Degree = 3° 55' 11.70"
 Tangent = 200.2835
 Length = 398.0879
 Radius = 1,461.6582
 External = 13.6581
 Long Chord = 396.8587
 Mid. Ord. = 13.5317
 P.C. Station 490+34.25 N 1,896,749.7244 E 1,099,742.7281
 P.T. Station 494+32.33 N 1,896,657.5789 E 1,100,128.7411
 C.C. 1,898,112.2025 E 1,100,271.9710
 Back = S 68° 46' 18.38" E
 Ahead = S 84° 22' 35.35" E
 Chord Bear = S 76° 34' 26.86" E

Curve Data

Curve E.I290.G-3
 P.I. Station 497+18.75 N 1,896,627.5805 E 1,100,413.5824
 Delta = 23° 16' 51.11" (LT)
 Degree = 4° 07' 15.66"
 Tangent = 286.4166
 Length = 564.9302
 Radius = 1,390.3314
 External = 29.1952
 Long Chord = 561.0519
 Mid. Ord. = 28.5948
 P.C. Station 494+32.33 N 1,896,657.5789 E 1,100,128.7411
 P.T. Station 499+97.26 N 1,896,712.6050 E 1,100,687.0881
 C.C. 1,898,040.2634 E 1,100,274.3602
 Back = S 83° 59' 16.76" E
 Ahead = N 72° 43' 52.14" E
 Chord Bear = N 84° 22' 17.69" E

Course from PT E.I290.G-3 to PC E.I290.G-4 N 72° 43' 52.14" E Dist 127.1306

Curve Data

Curve E.I290.G-4
 P.I. Station 501+88.09 N 1,896,769.2539 E 1,100,869.3158
 Delta = 2° 10' 43.19" (LT)
 Degree = 1° 42' 37.16"
 Tangent = 63.6993
 Length = 127.3832
 Radius = 3,350.0000
 External = 0.6056
 Long Chord = 127.3755
 Mid. Ord. = 0.6054
 P.C. Station 501+24.39 N 1,896,750.3444 E 1,100,808.4879
 P.T. Station 502+51.78 N 1,896,790.4621 E 1,100,929.3808
 C.C. 1,899,949.3342 E 1,099,814.0211
 Back = N 72° 43' 52.14" E
 Ahead = N 70° 33' 08.95" E
 Chord Bear = N 71° 38' 30.54" E

Curve Data

Curve E.I290.G-5
 P.I. Station 503+42.19 N 1,896,820.5649 E 1,101,014.6364
 Delta = 7° 23' 24.82" (RT)
 Degree = 4° 05' 33.20"
 Tangent = 90.4141
 Length = 180.5774
 Radius = 1,400.0000
 External = 2.9165
 Long Chord = 180.4522
 Mid. Ord. = 2.9104
 P.C. Station 502+51.78 N 1,896,790.4621 E 1,100,929.3808
 P.T. Station 504+32.35 N 1,896,839.4514 E 1,101,103.0559
 C.C. 1,895,470.3365 E 1,101,395.5013
 Back = N 70° 33' 08.95" E
 Ahead = N 77° 56' 33.78" E
 Chord Bear = N 74° 14' 51.36" E

Course from PT E.I290.G-5 to 1534 N 3° 53' 43.99" W Dist 35.8852

Point 1534 N 1,896,875.2537 E 1,101,100.6179 Sta 504+68.24

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT PLAN	
I-290 MAINLINE CURVE DATA	
SCALE: N.T.S.	SHEET NO. 8 OF 22 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	33
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G52	

I-290

Point 60 N 1,895,487.9128 E 1,097,931.7608 Sta 468+04.46

Course from 60 to PC E.I290_C-1 N 55° 58' 37.58" E Dist 1,349.9899

Curve Data

Curve E.I290_C-1
 P.I. Station = 484+23.14 N 1,896,393.6011 E 1,099,273.3424
 Delta = 8° 04' 41.42" (RT)
 Degree = 1° 30' 20.76"
 Tangent = 268.6863
 Length = 536.4821
 Radius = 3,805.0894
 External = 9.4745
 Long Chord = 536.0379
 Mid. Ord. = 9.4510
 P.C. Station = 481+54.45 N 1,896,243.2647 E 1,099,050.6514
 P.T. Station = 486+90.93 N 1,896,511.1524 E 1,099,514.9496
 C.C. = N 1,893,089.5530 E 1,101,179.6907
 Back = N 55° 58' 37.58" E
 Ahead = N 64° 03' 19.00" E
 Chord Bear = N 60° 00' 58.29" E

Curve Data

Curve E.I290_C-2
 P.I. Station = 509+61.83 N 1,897,504.6793 E 1,101,556.9795
 Delta = 61° 17' 44.92" (RT)
 Degree = 1° 29' 41.90"
 Tangent = 2,270.8989
 Length = 4,100.1287
 Radius = 3,832.5632
 External = 622.2682
 Long Chord = 3,907.3818
 Mid. Ord. = 535.3473
 P.C. Station = 486+90.93 N 1,896,511.1524 E 1,099,514.9496
 P.T. Station = 527+91.06 N 1,896,190.7710 E 1,103,409.1746
 C.C. = N 1,893,064.8481 E 1,101,191.7106
 Back = N 64° 03' 19.00" E
 Ahead = S 54° 38' 56.08" E
 Chord Bear = S 85° 17' 48.54" E

Course from PT E.I290_C-2 to PC E.I290_C-3 S 54° 38' 56.08" E Dist 113.3555

Curve Data

Curve E.I290_C-3
 P.I. Station = 542+15.96 N 1,895,366.3477 E 1,104,571.3507
 Delta = 37° 59' 47.10" (LT)
 Degree = 1° 30' 14.66"
 Tangent = 1,311.5399
 Length = 2,526.2351
 Radius = 3,809.3752
 External = 219.4554
 Long Chord = 2,480.1973
 Mid. Ord. = 207.5014
 P.C. Station = 529+04.42 N 1,896,125.1852 E 1,103,501.6299
 P.T. Station = 554+30.65 N 1,895,426.8796 E 1,105,881.4929
 C.C. = N 1,899,232.1954 E 1,105,705.6777
 Back = S 54° 38' 56.08" E
 Ahead = N 87° 21' 16.82" E
 Chord Bear = S 73° 38' 49.63" E

Course from PT E.I290_C-3 to PC E.I290_C-4 N 87° 21' 16.82" E Dist 1,153.6351

I-290

Curve Data

Curve E.I290_C-4
 P.I. Station = 570+47.15 N 1,895,501.4865 E 1,107,496.2716
 Delta = 13° 38' 22.62" (LT)
 Degree = 1° 28' 49.38"
 Tangent = 462.8662
 Length = 921.3564
 Radius = 3,870.3310
 External = 27.5796
 Long Chord = 919.1824
 Mid. Ord. = 27.3845
 P.C. Station = 565+84.29 N 1,895,480.1237 E 1,107,033.8986
 P.T. Station = 575+05.64 N 1,895,631.2809 E 1,107,940.5671
 C.C. = N 1,899,346.3304 E 1,106,855.2701
 Back = N 87° 21' 16.82" E
 Ahead = N 73° 42' 54.19" E
 Chord Bear = N 80° 32' 05.50" E

Course from PT E.I290_C-4 to PC E.I290_C-5 N 73° 42' 54.19" E Dist 169.6419

Curve Data

Curve E.I290_C-5
 P.I. Station = 581+37.80 N 1,895,808.5470 E 1,108,547.3614
 Delta = 13° 50' 55.21" (RT)
 Degree = 1° 30' 15.97"
 Tangent = 462.5152
 Length = 920.5226
 Radius = 3,808.4566
 External = 27.9821
 Long Chord = 918.2835
 Mid. Ord. = 27.7780
 P.C. Station = 576+75.28 N 1,895,678.8510 E 1,108,103.4028
 P.T. Station = 585+95.81 N 1,895,828.2077 E 1,109,009.4586
 C.C. = N 1,892,023.1935 E 1,109,171.3493
 Back = N 73° 42' 54.19" E
 Ahead = N 87° 33' 49.41" E
 Chord Bear = N 80° 38' 21.80" E

Course from PT E.I290_C-5 to 61 N 87° 33' 49.41" E Dist 2,208.9483

Point 61 N 1,895,922.1061 E 1,111,216.4103 Sta 608+04.76

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN		F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...expln_ABC_C2_290_ML_Data_exalign_16.dgn	DRAWN - TMB	REVISED -			I-290 MAINLINE CURVE DATA		290	(3435, ETC., 3838)RS-5	COOK	264	34	
USER NAME = tblank	CHECKED - JMM	REVISED -			SCALE: N.T.S.	SHEET NO. 9 OF 22 SHEETS	STA.	TO STA.	CONTRACT NO. 60G52			
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

I-290 EB

Point 120 N 1,895,912.0746 E 1,111,216.8362 Sta 608+04.76
 Course from 120 to 121 N 87° 34' 07.41" E Dist 216.5538
 Point 121 N 1,895,921.2610 E 1,111,433.1952 Sta 610+21.31
 Course from 121 to 122 N 87° 34' 07.41" E Dist 912.3746
 Point 122 N 1,895,959.9649 E 1,112,344.7484 Sta 619+33.69
 Course from 122 to PC E_I290_E-1 N 87° 34' 08.73" E Dist 791.3793

Curve Data

Curve E_I290_E-1
 P.I. Station 630+70.43 N 1,896,008.1792 E 1,113,480.4641
 Delta = 8° 46' 38.27" (RT)
 Degree = 1° 16' 23.66"
 Tangent = 345.3593
 Length = 689.3673
 Radius = 4,500.0000
 External = 13.2331
 Long Chord = 688.6935
 Mid. Ord. = 13.1943
 P.C. Station 627+25.07 N 1,895,993.5309 E 1,113,135.4155
 P.T. Station 634+14.44 N 1,895,970.0035 E 1,113,823.7070
 C.C. N 1,891,497.5805 E 1,113,326.2813
 Back = N 87° 34' 08.73" E
 Ahead = S 83° 39' 13.00" E
 Chord Bear = S 88° 02' 32.13" E

Course from PT E_I290_E-1 to PC E_I290_E-2 S 83° 39' 13.00" E Dist 298.1027

Curve Data

Curve E_I290_E-2
 P.I. Station 641+07.18 N 1,895,893.4276 E 1,114,512.2115
 Delta = 9° 37' 45.20" (LT)
 Degree = 1° 13' 22.29"
 Tangent = 394.6471
 Length = 787.4356
 Radius = 4,685.3978
 External = 16.5910
 Long Chord = 786.5092
 Mid. Ord. = 16.5325
 P.C. Station 637+12.54 N 1,895,937.0515 E 1,114,119.9828
 P.T. Station 644+99.97 N 1,895,916.0270 E 1,114,906.2110
 C.C. N 1,900,593.7362 E 1,114,637.9022
 Back = S 83° 39' 13.00" E
 Ahead = N 86° 43' 01.81" E
 Chord Bear = S 88° 28' 05.60" E

Course from PT E_I290_E-2 to 123 N 86° 59' 04.17" E Dist 116.8657

Point 123 N 1,895,922.1749 E 1,115,022.9149 Sta 646+16.84
 Course from 123 to 124 N 87° 39' 08.20" E Dist 2,615.6033
 Point 124 N 1,896,029.3206 E 1,117,636.3226 Sta 672+32.44
 Course from 124 to 125 N 87° 31' 30.49" E Dist 61.2265
 Point 125 N 1,896,031.9644 E 1,117,697.4920 Sta 672+93.67
 Course from 125 to 126 N 88° 18' 06.57" E Dist 1,274.5891
 Point 126 N 1,896,069.7361 E 1,118,971.5213 Sta 685+68.26
 Course from 126 to 127 N 88° 21' 09.61" E Dist 1,332.7237
 Point 127 N 1,896,108.0484 E 1,120,303.6943 Sta 699+00.98
 Course from 127 to PC E_I290_E-3 N 88° 52' 51.36" E Dist 64.7290

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
... \expln\ABC_C2_290_ML_Data_exalign_17.dgn	DRAWN - TMB	REVISED -			290	(3435, ETC., 3838)RS-5	COOK	264	35			
USER NAME = tblank	CHECKED - JMM	REVISED -			SCALE: N.T.S.		SHEET NO. 10 OF 22 SHEETS		STA. TO STA.		CONTRACT NO. 60G52	
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					

I-290 WB

Point 300 N 1,895,930.0584 E 1,111,216.0727 Sta 608+04.76

Course from 300 to PC E_I290_F-1 N 87° 31' 53.69" E Dist 1,906.7833

Curve Data

Curve E_I290_F-1
 P.I. Station 630+64.26 N 1,896,027.3720 E 1,113,473.4742
 Delta = 8° 55' 54.11" (RT)
 Degree = 1° 16' 07.34"
 Tangent = 352.7147
 Length = 704.0003
 Radius = 4,516.0780
 External = 13.7529
 Long Chord = 703.2877
 Mid. Ord. = 13.7112
 P.C. Station 627+11.54 N 1,896,012.1811 E 1,113,121.0867
 P.T. Station 634+15.54 N 1,895,987.6682 E 1,113,823.9471
 C.C. N 1,891,500.2935 E 1,113,315.5884
 Back = N 87° 31' 53.69" E
 Ahead = S 83° 32' 12.19" E
 Chord Bear = S 88° 00' 09.25" E

Course from PT E_I290_F-1 to PC E_I290_F-2 S 83° 32' 12.19" E Dist 272.5398

Curve Data

Curve E_I290_F-2
 P.I. Station 640+60.73 N 1,895,915.0422 E 1,114,465.0301
 Delta = 8° 50' 36.90" (LT)
 Degree = 1° 11' 20.26"
 Tangent = 372.6439
 Length = 743.8075
 Radius = 4,818.9780
 External = 14.3865
 Long Chord = 743.0694
 Mid. Ord. = 14.3437
 P.C. Station 636+88.08 N 1,895,956.9894 E 1,114,094.7547
 P.T. Station 644+31.89 N 1,895,930.5189 E 1,114,837.3525
 C.C. N 1,900,745.3389 E 1,114,637.2098
 Back = S 83° 32' 12.19" E
 Ahead = N 87° 37' 10.91" E
 Chord Bear = S 87° 57' 30.64" E

Course from PT E_I290_F-2 to 301 N 87° 37' 10.91" E Dist 184.8444

Point 301 N 1,895,938.1959 E 1,115,022.0373 Sta 646+16.74

Course from 301 to 302 N 87° 37' 10.91" E Dist 2,640.0615

Point 302 N 1,896,047.8434 E 1,117,659.8209 Sta 672+56.80

Course from 302 to 303 N 88° 22' 33.37" E Dist 1,312.3463

Point 303 N 1,896,085.0372 E 1,118,971.6400 Sta 685+69.14

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 MAINLINE CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...expln_ABC.C2.290_ML_Data.exalign.19.dgn	DRAWN - TWB	REVISED -					290	(3435, ETC., 3838)RS-5	COOK	264	36
USER NAME = tslenk	CHECKED - JMM	REVISED -			CONTRACT NO. 60C52						
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -			SCALE: N.T.S.	SHEET NO. 11 OF 22 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

FRONTAGE RD A /MERGE LN

FRONTAGE RD B /MERGE LN

FRONTAGE RD B /MERGE LN

Curve Data

Curve E_FRONT_A-1
 P.I. Station = 485+12.61 N 1,896,397.7157 E 1,099,376.9553
 Delta = 15° 56' 01.53" (RT)
 Degree = 3° 00' 39.59"
 Tangent = 266.3111
 Length = 529.1852
 Radius = 1,902.8831
 External = 18.5449
 Long Chord = 527.4816
 Mid. Ord. = 18.3660
 P.C. Station = 482+46.30 N 1,896,248.4745 E 1,099,156.3907
 P.T. Station = 487+75.49 N 1,896,480.6723 E 1,099,630.0162
 C.C. = N 1,894,672.4665 E 1,100,222.7691
 Back = N 55° 54' 59.18" E
 Ahead = N 71° 51' 00.71" E
 Chord Bear = N 63° 52' 59.94" E

Curve Data

Curve E_FRONT_A-2
 P.I. Station = 489+92.44 N 1,896,548.2530 E 1,099,836.1728
 Delta = 17° 17' 21.43" (RT)
 Degree = 4° 00' 54.44"
 Tangent = 216.9509
 Length = 430.6044
 Radius = 1,427.0000
 External = 16.3976
 Long Chord = 428.9725
 Mid. Ord. = 16.2113
 P.C. Station = 487+75.49 N 1,896,480.6723 E 1,099,630.0162
 P.T. Station = 492+06.09 N 1,896,551.5112 E 1,100,053.0992
 C.C. = N 1,895,124.6722 E 1,100,074.5303
 Back = N 71° 51' 00.71" E
 Ahead = N 89° 08' 22.14" E
 Chord Bear = N 80° 29' 41.43" E

Course from PT E_FRONT_A-2 to PC E_FRONT_A-3 N 89° 08' 22.14" E Dist 244.8538

Curve Data

Curve E_FRONT_A-3
 P.I. Station = 496+26.39 N 1,896,557.8234 E 1,100,473.3503
 Delta = 14° 11' 08.10" (LT)
 Degree = 4° 03' 48.71"
 Tangent = 175.4447
 Length = 349.0951
 Radius = 1,410.0000
 External = 10.8733
 Long Chord = 348.2041
 Mid. Ord. = 10.7901
 P.C. Station = 494+50.94 N 1,896,555.1885 E 1,100,297.9254
 P.T. Station = 498+00.04 N 1,896,603.3682 E 1,100,642.7802
 C.C. = N 1,897,965.0295 E 1,100,276.7497
 Back = N 89° 08' 22.14" E
 Ahead = N 74° 57' 14.04" E
 Chord Bear = N 82° 02' 48.09" E

Course from PT E_FRONT_A-3 to PC E_FRONT_A-4 N 74° 57' 14.04" E Dist 308.2017

Curve Data

Curve E_FRONT_A-4
 P.I. Station = 503+60.80 N 1,896,748.9392 E 1,101,184.3156
 Delta = 17° 30' 33.89" (RT)
 Degree = 3° 29' 37.12"
 Tangent = 252.5581
 Length = 501.1790
 Radius = 1,640.0000
 External = 19.3329
 Long Chord = 499.2311
 Mid. Ord. = 19.1076
 P.C. Station = 501+08.24 N 1,896,683.3761 E 1,100,940.4159
 P.T. Station = 506+09.42 N 1,896,738.0844 E 1,101,436.6403
 C.C. = N 1,895,099.5998 E 1,101,366.1536
 Back = N 74° 57' 14.04" E
 Ahead = S 87° 32' 12.07" E
 Chord Bear = N 83° 42' 30.99" E

Course from PT E_FRONT_A-4 to 1161 S 87° 47' 33.52" E Dist 72.5701

Point 1161 N 1,896,735.2892 E 1,101,509.1566 Sta 506+81.99

Curve Data

Curve E_FRONT_B-1
 P.I. Station = 508+03.20 N 1,896,740.9988 E 1,101,630.8305
 Delta = 3° 38' 41.99" (RT)
 Degree = 1° 30' 15.13"
 Tangent = 121.2013
 Length = 242.3209
 Radius = 3,809.0473
 External = 1.9278
 Long Chord = 242.2800
 Mid. Ord. = 1.9268
 P.C. Station = 506+82.00 N 1,896,750.0559 E 1,101,509.9680
 P.T. Station = 509+24.32 N 1,896,724.2763 E 1,101,750.8726
 C.C. = N 1,892,951.6587 E 1,101,225.3274
 Back = S 85° 42' 51.96" E
 Ahead = S 82° 04' 09.98" E
 Chord Bear = S 83° 53' 30.97" E

Curve Data

Curve E_FRONT_B-2
 P.I. Station = 510+29.96 N 1,896,709.7006 E 1,101,855.5041
 Delta = 4° 04' 57.02" (RT)
 Degree = 1° 55' 59.00"
 Tangent = 105.6419
 Length = 211.1943
 Radius = 2,964.0000
 External = 1.8820
 Long Chord = 211.1497
 Mid. Ord. = 1.8808
 P.C. Station = 509+24.32 N 1,896,724.2763 E 1,101,750.8726
 P.T. Station = 511+35.52 N 1,896,687.7129 E 1,101,958.8325
 C.C. = N 1,893,788.6240 E 1,101,341.9210
 Back = S 82° 04' 09.98" E
 Ahead = S 77° 59' 12.96" E
 Chord Bear = S 80° 01' 41.47" E

Curve Data

Curve E_FRONT_B-3
 P.I. Station = 514+44.44 N 1,896,623.4157 E 1,102,260.9882
 Delta = 6° 15' 00.02" (RT)
 Degree = 1° 00' 45.33"
 Tangent = 308.9211
 Length = 617.2294
 Radius = 5,658.3378
 External = 8.4266
 Long Chord = 616.9235
 Mid. Ord. = 8.4141
 P.C. Station = 511+35.52 N 1,896,687.7129 E 1,101,958.8325
 P.T. Station = 517+52.74 N 1,896,526.6058 E 1,102,554.3483
 C.C. = N 1,891,153.2917 E 1,100,781.1357
 Back = S 77° 59' 12.96" E
 Ahead = S 71° 44' 12.94" E
 Chord Bear = S 74° 51' 42.95" E

Curve Data

Curve E_FRONT_B-4
 P.I. Station = 521+23.71 N 1,896,410.3528 E 1,102,906.6263
 Delta = 14° 56' 27.78" (RT)
 Degree = 2° 01' 31.09"
 Tangent = 370.9644
 Length = 737.7198
 Radius = 2,829.0000
 External = 24.2185
 Long Chord = 735.6313
 Mid. Ord. = 24.0129
 P.C. Station = 517+52.74 N 1,896,526.6058 E 1,102,554.3483
 P.T. Station = 524+90.46 N 1,896,207.2040 E 1,103,217.0215
 C.C. = N 1,893,840.1092 E 1,101,667.7949
 Back = S 71° 44' 12.94" E
 Ahead = S 56° 47' 45.16" E
 Chord Bear = S 64° 15' 59.05" E

Course from PT E_FRONT_B-4 to PC E_FRONT_B-5 S 56° 47' 45.16" E Dist 467.7131

Curve Data

Curve E_FRONT_B-5
 P.I. Station = 538+33.22 N 1,895,471.8808 E 1,104,340.5369
 Delta = 25° 53' 20.27" (LT)
 Degree = 1° 30' 17.98"
 Tangent = 875.0404
 Length = 1,720.2033
 Radius = 3,807.0426
 External = 99.2688
 Long Chord = 1,705.6069
 Mid. Ord. = 96.7462
 P.C. Station = 529+58.18 N 1,895,951.0734 E 1,103,608.3688
 P.T. Station = 546+78.38 N 1,895,360.4645 E 1,105,208.4551
 C.C. = N 1,899,136.5208 E 1,105,693.1944
 Back = S 56° 47' 45.16" E
 Ahead = S 82° 41' 05.43" E
 Chord Bear = S 69° 44' 25.30" E

Curve Data

Curve E_FRONT_B-6
 P.I. Station = 550+18.78 N 1,895,317.1219 E 1,105,546.0881
 Delta = 9° 57' 37.14" (LT)
 Degree = 1° 28' 00.16"
 Tangent = 340.4036
 Length = 679.0919
 Radius = 3,906.4120
 External = 14.8033
 Long Chord = 678.2371
 Mid. Ord. = 14.7474
 P.C. Station = 546+78.38 N 1,895,360.4645 E 1,105,208.4551
 P.T. Station = 553+57.47 N 1,895,332.8317 E 1,105,886.1290
 C.C. = N 1,899,235.0814 E 1,105,705.8468
 Back = S 82° 41' 05.43" E
 Ahead = N 87° 21' 17.43" E
 Chord Bear = S 87° 39' 54.00" E

Course from PT E_FRONT_B-6 to PC E_FRONT_B-7 N 87° 21' 17.43" E Dist 1,153.7087

Curve Data

Curve E_FRONT_B-7
 P.I. Station = 569+37.33 N 1,895,405.7425 E 1,107,464.3015
 Delta = 12° 16' 52.24" (LT)
 Degree = 1° 26' 47.39"
 Tangent = 426.1471
 Length = 849.0285
 Radius = 3,961.0000
 External = 22.8577
 Long Chord = 847.4041
 Mid. Ord. = 22.7266
 P.C. Station = 565+11.18 N 1,895,386.0757 E 1,107,038.6084
 P.T. Station = 573+60.21 N 1,895,515.5082 E 1,107,876.0694
 C.C. = N 1,899,342.8553 E 1,106,855.8070
 Back = N 87° 21' 17.43" E
 Ahead = N 75° 04' 25.18" E
 Chord Bear = N 81° 12' 51.31" E

Course from PT E_FRONT_B-7 to PC E_FRONT_B-8 N 75° 04' 25.18" E Dist 369.6731

Curve Data

Curve E_FRONT_B-8
 P.I. Station = 578+09.89 N 1,895,631.3360 E 1,108,310.5783
 Delta = 2° 27' 36.95" (RT)
 Degree = 1° 32' 15.82"
 Tangent = 80.0090
 Length = 159.9934
 Radius = 3,726.0000
 External = 0.8589
 Long Chord = 159.9811
 Mid. Ord. = 0.8587
 P.C. Station = 577+29.88 N 1,895,610.7275 E 1,108,233.2690
 P.T. Station = 578+89.88 N 1,895,648.6068 E 1,108,388.7010
 C.C. = N 1,892,010.4510 E 1,109,193.0008
 Back = N 75° 04' 25.18" E
 Ahead = N 77° 32' 02.14" E
 Chord Bear = N 76° 18' 13.66" E

Course from PT E_FRONT_B-8 to PC E_FRONT_B-9 N 77° 32' 02.14" E Dist 318.4558

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 RAMP CURVE DATA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\xpln.abc.c2.290.R.Data.exalign.21.dgn	DRAWN - TMB	REVISED -				290	(3435, ETC., 3838)RS-5	COOK	264	37
USER NAME = tblank	CHECKED - JMM	REVISED -				CONTRACT NO. 60G52				
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: N.T.S.			SHEET NO. 12 OF 22 SHEETS		STA. TO STA.					

FRONTAGE RD B / MERGE LN

Curve Data

Curve E FRONT B-9
 P.I. Station = 582+64.05 N 1,895,729.3755 E 1,108,754.0486
 Delta = 3° 55' 12.03" (RT)
 Degree = 3° 31' 09.83"
 Tangent = 55.7132
 Length = 111.3829
 Radius = 1,628.0000
 External = 0.9530
 Long Chord = 111.3612
 Mid. Ord. = 0.9525
 P.C. Station = 582+08.33 N 1,895,717.3492 E 1,108,699.6489
 P.T. Station = 583+19.72 N 1,895,737.6548 E 1,108,809.1432
 C.C. = N 1,894,127.7309 E 1,109,051.0714
 Back = N 77° 32' 02.14" E
 Ahead = N 81° 27' 14.17" E
 Chord Bear = N 79° 29' 38.15" E

FRONTAGE RD C / MERGE LN

Curve Data

Curve E FRONT C-1
 P.I. Station = 584+87.50 N 1,895,754.1528 E 1,108,976.5601
 Delta = 6° 09' 51.58" (RT)
 Degree = 1° 50' 19.54"
 Tangent = 167.7837
 Length = 335.2437
 Radius = 3,116.0000
 External = 4.5140
 Long Chord = 335.0820
 Mid. Ord. = 4.5074
 P.C. Station = 583+19.72 N 1,895,725.6172 E 1,108,811.2207
 P.T. Station = 586+54.96 N 1,895,764.7691 E 1,109,144.0076
 C.C. = N 1,892,655.0130 E 1,109,341.1697
 Back = N 80° 12' 28.47" E
 Ahead = N 86° 22' 20.06" E
 Chord Bear = N 83° 17' 24.26" E

Course from PT E FRONT C-1 to 1181 N 86° 22' 20.06" E Dist 99.8653

Point 1181 N 1,895,771.0880 E 1,109,243.6727 Sta 587+54.83

Course from 1181 to 1182 N 86° 25' 06.63" E Dist 551.5756

Point 1182 N 1,895,805.5439 E 1,109,794.1711 Sta 593+06.40

RAMP E_WOLF_A


Curve Data

Curve E WOLF A-1
 P.I. Station = 0+99.05 N 1,895,592.1044 E 1,104,220.5465
 Delta = 2° 57' 31.97" (RT)
 Degree = 1° 29' 38.50"
 Tangent = 99.0456
 Length = 198.0472
 Radius = 3,834.9886
 External = 1.2788
 Long Chord = 198.0252
 Mid. Ord. = 1.2784
 P.C. Station = 0+00.00 N 1,895,558.3257 E 1,104,313.6541
 P.T. Station = 1+98.05 N 1,895,630.6442 E 1,104,129.3066
 C.C. = N 1,899,163.3994 E 1,105,621.5461
 Back = N 70° 03' 34.67" W
 Ahead = N 67° 06' 02.71" W
 Chord Bear = N 68° 34' 48.69" W

Course from PT E WOLF A-1 to PC E WOLF A-2 N 67° 06' 02.71" W Dist 254.8921

Curve Data

Curve E WOLF A-2
 P.I. Station = 5+51.13 N 1,895,768.0333 E 1,103,804.0491
 Delta = 28° 00' 30.90" (LT)
 Degree = 14° 33' 11.37"
 Tangent = 98.1918
 Length = 192.4571
 Radius = 393.7000
 External = 12.0602
 Long Chord = 190.5465
 Mid. Ord. = 11.7017
 P.C. Station = 4+52.94 N 1,895,729.8257 E 1,103,894.5024
 P.T. Station = 6+45.40 N 1,895,759.2887 E 1,103,706.2475
 C.C. = N 1,895,367.1531 E 1,103,741.3091
 Back = N 67° 06' 02.71" W
 Ahead = S 84° 53' 26.39" W
 Chord Bear = N 81° 34' 06' 18.16" W

FILE NAME =	DESIGNED - AJP	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 RAMP CURVE DATA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \expln_ABC_C2_290_R_Data_exalign_22.dgn	DRAWN - TMB	REVISED -				290	(3435, ETC., 3838)RS-5	COOK	264	38
USER NAME = tblank	CHECKED - JMM	REVISED -				CONTRACT NO. 60652				
PLOT DATE = 1/25/2010	DATE = 1/25/10	REVISED -				SCALE: N.T.S.	SHEET NO. 13 OF 22 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

RAMP E_WOLF_B

Curve Data

Curve E_WOLF_B-1
 P.I. Station = 0+59.42 N 1,895,692.1885 E 1,104,510.6499
 Delta = 1° 53' 22.21" (RT)
 Degree = 1° 35' 24.47"
 Tangent = 59.4188
 Length = 118.8269
 Radius = 3,603.2141
 External = 0.4899
 Long Chord = 118.8215
 Mid. Ord. = 0.4898
 P.C. Station = 0+00.00 N 1,895,670.7382 E 1,104,566.0618
 P.T. Station = 1+18.83 N 1,895,715.4541 E 1,104,455.9753
 C.C. = N 1,899,030.9719 E 1,105,866.8238
 Back = N 68° 50' 18.06" W
 Ahead = N 66° 56' 55.85" W
 Chord Bear = N 67° 53' 36.95" W

Curve Data

Curve E_WOLF_B-2
 P.I. Station = 2+29.38 N 1,895,758.7431 E 1,104,354.2454
 Delta = 3° 30' 57.90" (RT)
 Degree = 1° 35' 26.39"
 Tangent = 110.5573
 Length = 221.0451
 Radius = 3,602.0049
 External = 1.6963
 Long Chord = 221.0104
 Mid. Ord. = 1.6955
 P.C. Station = 1+18.83 N 1,895,715.4541 E 1,104,455.9753
 P.T. Station = 3+39.87 N 1,895,808.1895 E 1,104,255.3619
 C.C. = N 1,899,029.8592 E 1,105,866.3503
 Back = N 66° 56' 55.85" W
 Ahead = N 63° 25' 57.95" W
 Chord Bear = N 65° 11' 26.90" W

Curve Data

Curve E_WOLF_B-3
 P.I. Station = 3+97.32 N 1,895,833.8821 E 1,104,203.9817
 Delta = 1° 41' 06.68" (RT)
 Degree = 1° 28' 00.72"
 Tangent = 57.4459
 Length = 114.8835
 Radius = 3,905.9950
 External = 0.4224
 Long Chord = 114.8794
 Mid. Ord. = 0.4224
 P.C. Station = 3+39.87 N 1,895,808.1895 E 1,104,255.3619
 P.T. Station = 4+54.76 N 1,895,861.0745 E 1,104,153.3793
 C.C. = N 1,899,301.7511 E 1,106,002.3092
 Back = N 63° 25' 57.95" W
 Ahead = N 61° 44' 51.27" W
 Chord Bear = N 62° 35' 24.61" W

RAMP E_WOLF_B

Curve Data

Curve E_WOLF_B-4
 P.I. Station = 4+79.04 N 1,895,872.5717 E 1,104,131.9842
 Delta = 0° 54' 35.74" (RT)
 Degree = 1° 52' 23.51"
 Tangent = 24.2886
 Length = 48.5762
 Radius = 3,058.7161
 External = 0.0964
 Long Chord = 48.5757
 Mid. Ord. = 0.0964
 P.C. Station = 4+54.76 N 1,895,861.0745 E 1,104,153.3793
 P.T. Station = 5+03.33 N 1,895,884.4072 E 1,104,110.7743
 C.C. = N 1,898,555.4079 E 1,105,601.2438
 Back = N 61° 44' 51.27" W
 Ahead = N 60° 50' 15.53" W
 Chord Bear = N 61° 17' 33.40" W

Curve Data

Curve E_WOLF_B-5
 P.I. Station = 5+35.88 N 1,895,900.2681 E 1,104,082.3507
 Delta = 1° 02' 26.77" (RT)
 Degree = 1° 35' 55.65"
 Tangent = 32.5495
 Length = 65.0972
 Radius = 3,583.6940
 External = 0.1478
 Long Chord = 65.0963
 Mid. Ord. = 0.1478
 P.C. Station = 5+03.33 N 1,895,884.4072 E 1,104,110.7743
 P.T. Station = 5+68.43 N 1,895,916.6427 E 1,104,054.2199
 C.C. = N 1,899,013.8409 E 1,105,857.0582
 Back = N 60° 50' 15.53" W
 Ahead = N 59° 47' 48.76" W
 Chord Bear = N 60° 19' 02.15" W

RAMP E_WOLF_C

Curve Data

Curve E_WOLF_C-1
 P.I. Station = 6+64.54 N 1,895,951.3429 E 1,103,963.1942
 Delta = 3° 02' 12.52" (RT)
 Degree = 1° 34' 59.04"
 Tangent = 95.9379
 Length = 191.8309
 Radius = 3,619.2902
 External = 1.2713
 Long Chord = 191.8085
 Mid. Ord. = 1.2709
 P.C. Station = 5+68.60 N 1,895,903.0797 E 1,104,046.1083
 P.T. Station = 7+60.43 N 1,896,003.9309 E 1,103,882.9533
 C.C. = N 1,899,031.0418 E 1,105,866.8539
 Back = N 59° 47' 48.76" W
 Ahead = N 56° 45' 36.24" W
 Chord Bear = N 58° 16' 42.50" W

Curve Data

Curve E_WOLF_C-2
 P.I. Station = 9+26.86 N 1,896,095.1571 E 1,103,743.7570
 Delta = 10° 15' 45.33" (RT)
 Degree = 3° 05' 29.35"
 Tangent = 166.4267
 Length = 331.9630
 Radius = 1,853.3406
 External = 7.4574
 Long Chord = 331.5194
 Mid. Ord. = 7.4275
 P.C. Station = 7+60.43 N 1,896,003.9309 E 1,103,882.9533
 P.T. Station = 10+92.39 N 1,896,209.7229 E 1,103,623.0404
 C.C. = N 1,897,554.0325 E 1,104,898.8551
 Back = N 56° 45' 36.24" W
 Ahead = N 46° 29' 50.91" W
 Chord Bear = N 51° 37' 43.58" W

Course from PT E_WOLF_C-2 to PC E_WOLF_C-3 N 45° 11' 05.73" W Dist 186.1661

Curve Data

Curve E_WOLF_C-3
 P.I. Station = 13+18.50 N 1,896,368.4332 E 1,103,462.0060
 Delta = 3° 13' 58.76" (LT)
 Degree = 4° 02' 53.40"
 Tangent = 39.9421
 Length = 79.8630
 Radius = 1,415.3514
 External = 0.5635
 Long Chord = 79.8524
 Mid. Ord. = 0.5633
 P.C. Station = 12+78.56 N 1,896,340.9367 E 1,103,490.9769
 P.T. Station = 13+58.42 N 1,896,394.2521 E 1,103,431.5304
 C.C. = N 1,895,314.3497 E 1,102,516.6368
 Back = N 46° 29' 44.62" W
 Ahead = N 49° 43' 43.38" W
 Chord Bear = N 48° 06' 44.00" W

Curve Data

Curve E_WOLF_C-4
 P.I. Station = 14+27.13 N 1,896,438.6678 E 1,103,379.1040
 Delta = 25° 56' 33.19" (LT)
 Degree = 19° 12' 25.66"
 Tangent = 68.7116
 Length = 135.0673
 Radius = 298.3048
 External = 7.8113
 Long Chord = 133.9165
 Mid. Ord. = 7.6119
 P.C. Station = 13+58.42 N 1,896,394.2521 E 1,103,431.5304
 P.T. Station = 14+93.49 N 1,896,455.6728 E 1,103,312.5299
 C.C. = N 1,896,166.6478 E 1,103,238.7040
 Back = N 49° 43' 43.38" W
 Ahead = N 75° 40' 16.57" W
 Chord Bear = N 62° 41' 59.97" W

FILE NAME =	DESIGNED = AJP	REVISED =
... \expln_abc_02_290_R_Data_exelign_23.dgn	DRAWN = TMB	REVISED =
USER NAME = tblank	CHECKED = JMM	REVISED =
PLOT DATE = 1/25/2010	DATE = 1/25/10	REVISED =

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
 I-290 RAMP CURVE DATA**

SCALE: N.T.S. SHEET NO. 14 OF 22 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	39
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60C52	

RAMP E_MANN_A

Curve Data

Curve E_MANN_A-1
 P.I. Station = 1+59.03 N 1,895,290.9559 E 1,105,713.5287
 Delta = 4° 33' 33.92" (LT)
 Degree = 1° 26' 03.33"
 Tangent = 159.0309
 Length = 317.8939
 Radius = 3,994.8000
 External = 3.1642
 Long Chord = 317.8101
 Mid. Ord. = 3.1617
 P.C. Station = 0+00.00 N 1,895,307.9175 E 1,105,555.4049
 P.T. Station = 3+17.89 N 1,895,286.6177 E 1,105,872.5004
 C.C. = N 1,899,279.9311 E 1,105,981.4749
 Back = S 83° 52' 38.67" E
 Ahead = S 88° 26' 12.59" E
 Chord Bear = S 86° 09' 25.63" E

Course from PT E_MANN_A-1 to PC E_MANN_A-2 S 88° 26' 12.59" E Dist 141.0788

Curve Data

Curve E_MANN_A-2
 P.I. Station = 6+19.32 N 1,895,278.3951 E 1,106,173.8144
 Delta = 42° 42' 38.06" (RT)
 Degree = 13° 58' 16.22"
 Tangent = 160.3474
 Length = 305.7050
 Radius = 410.1000
 External = 30.2332
 Long Chord = 298.6759
 Mid. Ord. = 28.1574
 P.C. Station = 4+58.97 N 1,895,282.7692 E 1,106,013.5267
 P.T. Station = 7+64.68 N 1,895,166.4586 E 1,106,288.6252
 C.C. = N 1,894,872.8218 E 1,106,002.3396
 Back = S 88° 26' 12.59" E
 Ahead = S 45° 43' 34.53" E
 Chord Bear = S 67° 04' 53.56" E

Course from PT E_MANN_A-2 to PC E_MANN_A-3 S 45° 43' 34.53" E Dist 250.3584

Curve Data

Curve E_MANN_A-3
 P.I. Station = 11+40.62 N 1,894,904.0210 E 1,106,557.8017
 Delta = 46° 15' 31.48" (LT)
 Degree = 19° 29' 18.10"
 Tangent = 125.5798
 Length = 237.3660
 Radius = 294.0000
 External = 25.6972
 Long Chord = 230.9715
 Mid. Ord. = 23.6316
 P.C. Station = 10+15.04 N 1,894,991.6866 E 1,106,467.8850
 P.T. Station = 12+52.40 N 1,894,908.3708 E 1,106,683.3061
 C.C. = N 1,895,202.1944 E 1,106,673.1226
 Back = S 45° 43' 34.53" E
 Ahead = N 88° 00' 54.00" E
 Chord Bear = S 68° 51' 20.27" E

Course from PT E_MANN_A-3 to 881 N 88° 00' 54.00" E Dist 125.8573

Point 881 N 1,894,912.7302 E 1,106,809.0880 Sta 13+78.26

Course from 881 to 882 N 87° 52' 34.20" E Dist 55.9504

Point 882 N 1,894,914.8037 E 1,106,864.9999 Sta 14+34.21

RAMP E_MANN_B

Curve Data

Curve E_MANN_B-1
 P.I. Station = 0+58.70 N 1,895,345.0496 E 1,106,662.5162
 Delta = 18° 59' 13.47" (LT)
 Degree = 16° 19' 16.68"
 Tangent = 58.7048
 Length = 116.3331
 Radius = 351.0491
 External = 4.8747
 Long Chord = 115.8015
 Mid. Ord. = 4.8079
 P.C. Station = 0+00.00 N 1,895,347.7589 E 1,106,721.1585
 P.T. Station = 1+16.33 N 1,895,323.4082 E 1,106,607.9461
 C.C. = N 1,894,997.0838 E 1,106,737.3595
 Back = S 87° 21' 17.43" W
 Ahead = S 68° 22' 03.96" W
 Chord Bear = S 77° 51' 40.70" W

Curve Data

Curve E_MANN_B-2
 P.I. Station = 3+37.27 N 1,895,241.9608 E 1,106,402.5709
 Delta = 101° 25' 44.70" (LT)
 Degree = 31° 42' 02.23"
 Tangent = 220.9358
 Length = 319.9593
 Radius = 180.7403
 External = 104.7062
 Long Chord = 279.7863
 Mid. Ord. = 66.2983
 P.C. Station = 1+16.33 N 1,895,323.4082 E 1,106,607.9461
 P.T. Station = 4+36.29 N 1,895,056.7973 E 1,106,523.0994
 C.C. = N 1,895,155.3977 E 1,106,674.5755
 Back = S 68° 22' 03.96" W
 Ahead = S 33° 03' 40.73" E
 Chord Bear = S 17° 39' 11.61" W

Curve Data

Curve E_MANN_B-3
 P.I. Station = 6+56.94 N 1,894,871.8757 E 1,106,643.4705
 Delta = 101° 25' 44.70" (LT)
 Degree = 31° 44' 31.48"
 Tangent = 220.6473
 Length = 319.5414
 Radius = 180.5042
 External = 104.5694
 Long Chord = 279.4208
 Mid. Ord. = 66.2117
 P.C. Station = 4+36.29 N 1,895,056.7973 E 1,106,523.0994
 P.T. Station = 7+55.83 N 1,895,026.5030 E 1,106,800.8732
 C.C. = N 1,895,155.2689 E 1,106,674.3777
 Back = S 33° 03' 40.73" E
 Ahead = N 45° 30' 34.57" E
 Chord Bear = S 83° 46' 33.08" E

Curve Data

Curve E_MANN_B-4
 P.I. Station = 8+21.58 N 1,895,072.3475 E 1,106,847.9954
 Delta = 22° 36' 50.56" (LT)
 Degree = 17° 25' 31.67"
 Tangent = 65.7436
 Length = 129.7758
 Radius = 328.8049
 External = 6.5082
 Long Chord = 128.9351
 Mid. Ord. = 6.3819
 P.C. Station = 7+55.83 N 1,895,026.5030 E 1,106,800.8732
 P.T. Station = 8+85.61 N 1,895,132.7868 E 1,106,873.8665
 C.C. = N 1,895,262.1764 E 1,106,571.5902
 Back = N 45° 47' 14.73" E
 Ahead = N 23° 10' 24.17" E
 Chord Bear = N 34° 28' 49.45" E

RAMP E_MANN_B

Curve Data

Curve E_MANN_B-5
 P.I. Station = 8+92.06 N 1,895,138.7075 E 1,106,876.4192
 Delta = 2° 18' 07.11" (LT)
 Degree = 17° 51' 13.89"
 Tangent = 6.4476
 Length = 12.8934
 Radius = 320.9154
 External = 0.0648
 Long Chord = 12.8926
 Mid. Ord. = 0.0648
 P.C. Station = 8+85.61 N 1,895,132.7868 E 1,106,873.8665
 P.T. Station = 8+98.50 N 1,895,144.7260 E 1,106,878.7321
 C.C. = N 1,895,259.8448 E 1,106,579.1752
 Back = N 23° 19' 24.93" E
 Ahead = N 21° 01' 17.82" E
 Chord Bear = N 22° 10' 21.37" E

Curve Data

Curve E_MANN_B-6
 P.I. Station = 9+12.28 N 1,895,157.5902 E 1,106,883.6758
 Delta = 4° 26' 58.33" (LT)
 Degree = 16° 09' 04.64"
 Tangent = 13.7815
 Length = 27.5491
 Radius = 354.7443
 External = 0.2676
 Long Chord = 27.5422
 Mid. Ord. = 0.2674
 P.C. Station = 8+98.50 N 1,895,144.7260 E 1,106,878.7321
 P.T. Station = 9+26.05 N 1,895,170.7992 E 1,106,887.6066
 C.C. = N 1,895,271.9799 E 1,106,547.5978
 Back = N 21° 01' 17.82" E
 Ahead = N 16° 34' 19.49" E
 Chord Bear = N 18° 47' 48.65" E

Curve Data

Curve E_MANN_B-7
 P.I. Station = 9+79.02 N 1,895,221.5705 E 1,106,902.7152
 Delta = 17° 20' 14.37" (LT)
 Degree = 16° 29' 26.67"
 Tangent = 52.9717
 Length = 105.1337
 Radius = 347.4421
 External = 4.0149
 Long Chord = 104.7331
 Mid. Ord. = 3.9690
 P.C. Station = 9+26.05 N 1,895,170.7992 E 1,106,887.6066
 P.T. Station = 10+31.19 N 1,895,274.5375 E 1,106,902.0078
 C.C. = N 1,895,269.8971 E 1,106,554.5966
 Back = N 16° 34' 19.49" E
 Ahead = N 0° 45' 54.88" W
 Chord Bear = N 7° 54' 12.31" E

FILE NAME =	DESIGNED - AJP	REVISED -
...\\expln\ABC\C2\290_R\Drawn\align_21.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT PLAN
 I-290 RAMP CURVE DATA

SCALE: N.T.S. SHEET NO. 15 OF 22 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	40
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	

RAMP E_MANN_C

Curve Data

 Curve E_MANN_C-1
 P.I. Station = 0+59.62 N 1,895,373.4814 E 1,107,209.1470
 Delta = 19° 16' 37.51" (RT)
 Degree = 16° 19' 16.68"
 Tangent = 59.6185
 Length = 118.1100
 Radius = 351.0491
 External = 5.0265
 Long Chord = 117.5537
 Mid. Ord. = 4.9555
 P.C. Station = 0+00.00 N 1,895,369.0843 E 1,107,149.6909
 P.T. Station = 1+18.11 N 1,895,358.0034 E 1,107,266.7212
 C.C. = N 1,895,018.9913 E 1,107,175.5826
 Back = N 85° 46' 13.07" E
 Ahead = S 74° 57' 09.42" E
 Chord Bear = S 84° 35' 28.18" E

Curve Data

Curve E_MANN_C-2
 P.I. Station = 1+51.31 N 1,895,349.3852 E 1,107,298.7788
 Delta = 21° 25' 08.33" (RT)
 Degree = 32° 38' 33.42"
 Tangent = 33.1958
 Length = 65.6166
 Radius = 175.5245
 External = 3.1115
 Long Chord = 65.2352
 Mid. Ord. = 3.0573
 P.C. Station = 1+18.11 N 1,895,358.0034 E 1,107,266.7212
 P.T. Station = 1+83.73 N 1,895,329.6553 E 1,107,325.4751
 C.C. = N 1,895,188.4974 E 1,107,221.1519
 Back = S 74° 57' 09.42" E
 Ahead = S 53° 32' 01.09" E
 Chord Bear = S 64° 14' 35.25" E

Curve Data

Curve E_MANN_C-3
 P.I. Station = 2+94.09 N 1,895,264.0634 E 1,107,414.2262
 Delta = 96° 32' 33.91" (RT)
 Degree = 58° 12' 45.44"
 Tangent = 110.3588
 Length = 165.8451
 Radius = 98.4250
 External = 49.4484
 Long Chord = 146.9103
 Mid. Ord. = 32.9130
 P.C. Station = 1+83.73 N 1,895,329.6553 E 1,107,325.4751
 P.T. Station = 3+49.57 N 1,895,183.3641 E 1,107,338.9489
 C.C. = N 1,895,250.5013 E 1,107,266.9761
 Back = S 53° 32' 01.09" E
 Ahead = S 43° 00' 32.82" W
 Chord Bear = S 5° 15' 44.14" E

Curve Data

Curve E_MANN_C-4
 P.I. Station = 5+40.90 N 1,895,043.4578 E 1,107,208.4425
 Delta = 88° 22' 10.00" (RT)
 Degree = 29° 06' 22.76"
 Tangent = 191.3261
 Length = 303.6091
 Radius = 196.8500
 External = 77.6598
 Long Chord = 274.3986
 Mid. Ord. = 55.6895
 P.C. Station = 3+49.57 N 1,895,183.3641 E 1,107,338.9489
 P.T. Station = 6+53.18 N 1,895,169.9303 E 1,107,064.8794
 C.C. = N 1,895,317.6384 E 1,107,195.0033
 Back = S 43° 00' 32.82" W
 Ahead = N 48° 37' 17.18" W
 Chord Bear = S 87° 11' 37.82" W

RAMP E_MANN_C

Curve Data

 Curve E_MANN_C-5
 P.I. Station = 6+85.75 N 1,895,191.4604 E 1,107,040.4399
 Delta = 27° 52' 36.49" (RT)
 Degree = 43° 39' 33.97"
 Tangent = 32.5704
 Length = 63.8506
 Radius = 131.2334
 External = 3.9814
 Long Chord = 63.2227
 Mid. Ord. = 3.8641
 P.C. Station = 6+53.18 N 1,895,169.9303 E 1,107,064.8794
 P.T. Station = 7+17.03 N 1,895,221.9191 E 1,107,028.9034
 C.C. = N 1,895,268.4025 E 1,107,151.6287
 Back = N 48° 37' 17.18" W
 Ahead = N 20° 44' 40.69" W
 Chord Bear = N 34° 40' 58.94" W

Curve Data

Curve E_MANN_C-6
 P.I. Station = 7+60.06 N 1,895,262.1596 E 1,107,013.6619
 Delta = 18° 37' 16.06" (RT)
 Degree = 21° 49' 47.12"
 Tangent = 43.0302
 Length = 85.3016
 Radius = 262.4664
 External = 3.5039
 Long Chord = 84.9267
 Mid. Ord. = 3.4578
 P.C. Station = 7+17.03 N 1,895,221.9191 E 1,107,028.9034
 P.T. Station = 8+02.33 N 1,895,305.1603 E 1,107,012.0675
 C.C. = N 1,895,314.8857 E 1,107,274.3537
 Back = N 20° 44' 40.69" W
 Ahead = N 2° 07' 24.63" W
 Chord Bear = N 11° 26' 02.66" W

RAMP E_MANN_D

Curve Data

 Curve E_MANN_D-1
 P.I. Station = 1+05.43 N 1,895,420.4182 E 1,107,600.0502
 Delta = 39° 42' 18.74" (LT)
 Degree = 19° 37' 18.63"
 Tangent = 105.4294
 Length = 202.3521
 Radius = 292.0000
 External = 18.4503
 Long Chord = 198.3273
 Mid. Ord. = 17.3537
 P.C. Station = 0+00.00 N 1,895,446.5035 E 1,107,702.2017
 P.T. Station = 2+02.35 N 1,895,335.0916 E 1,107,538.1251
 C.C. = N 1,895,163.5822 E 1,107,774.4481
 Back = S 75° 40' 30.54" W
 Ahead = S 35° 58' 11.79" W
 Chord Bear = S 55° 49' 21.17" W

Course from PT E_MANN_D-1 to PC E_MANN_D-2 S 35° 58' 11.79" W Dist 197.0383

Curve Data

Curve E_MANN_D-2
 P.I. Station = 5+13.46 N 1,895,083.3078 E 1,107,355.3953
 Delta = 42° 40' 28.45" (RT)
 Degree = 19° 37' 18.63"
 Tangent = 114.0650
 Length = 217.4850
 Radius = 292.0000
 External = 21.4882
 Long Chord = 212.4927
 Mid. Ord. = 20.0152
 P.C. Station = 3+99.39 N 1,895,175.6235 E 1,107,422.3926
 P.T. Station = 6+16.88 N 1,895,060.8489 E 1,107,243.5632
 C.C. = N 1,895,347.1328 E 1,107,186.0696
 Back = S 35° 58' 11.79" W
 Ahead = S 78° 38' 40.25" W
 Chord Bear = S 57° 18' 26.02" W

Course from PT E_MANN_D-2 to PC E_MANN_D-3 S 78° 38' 40.25" W Dist 121.3828

Curve Data

Curve E_MANN_D-3
 P.I. Station = 7+83.42 N 1,895,028.0572 E 1,107,080.2800
 Delta = 25° 50' 30.97" (LT)
 Degree = 29° 06' 22.73"
 Tangent = 45.1605
 Length = 88.7846
 Radius = 196.8500
 External = 5.1138
 Long Chord = 88.0340
 Mid. Ord. = 4.9844
 P.C. Station = 7+38.26 N 1,895,036.9491 E 1,107,124.5565
 P.T. Station = 8+27.04 N 1,895,000.7549 E 1,107,044.3071
 C.C. = N 1,894,843.9526 E 1,107,163.3154
 Back = S 78° 38' 40.25" W
 Ahead = S 52° 48' 09.27" W
 Chord Bear = S 65° 43' 24.76" W

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 RAMP CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_abc_c2_290_r_data_exalign_25.dgn	DRAWN - TMB	REVISED -			290	(3435, ETC., 3838)RS-5	COOK	264	41		
USER NAME = blank	CHECKED - JMM	REVISED -			CONTRACT NO. 60G52						
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -			ILLINOIS FED. AID PROJECT						
			SCALE: N.T.S.	SHEET NO. 16 OF 22 SHEETS	STA.	TO STA.					

RAMP E_MANN_E

Curve Data
 Curve E_MANN_E-1
 P.I. Station = 0+54.77 N 1,895,498.2228 E 1,105,568.4976
 Delta = 6° 16' 10.14" (LT)
 Degree = 5° 43' 46.48"
 Tangent = 54.7662
 Length = 109.4231
 Radius = 1,000.0000
 External = 1.4985
 Long Chord = 109.3686
 Mid. Ord. = 1.4963
 P.C. Station = 0+00.00 N 1,895,500.6296 E 1,105,513.7843
 P.T. Station = 1+09.42 N 1,895,501.8053 E 1,105,623.1466
 C.C. = N 1,896,499.6635 E 1,105,557.7314
 Back = S 87° 28' 52.34" E
 Ahead = N 86° 14' 57.52" E
 Chord Bear = N 89° 23' 02.59" E

Course from PT E_MANN_E-1 to PC E_MANN_E-2 N 86° 14' 57.52" E Dist 573.2985

Curve Data
 Curve E_MANN_E-2
 P.I. Station = 8+05.33 N 1,895,545.9154 E 1,106,317.6479
 Delta = 28° 54' 01.91" (LT)
 Degree = 12° 02' 31.44"
 Tangent = 122.6089
 Length = 239.9964
 Radius = 475.7969
 External = 15.5438
 Long Chord = 237.4603
 Mid. Ord. = 15.0520
 P.C. Station = 6+82.72 N 1,895,539.3077 E 1,106,195.2172
 P.T. Station = 9+22.72 N 1,895,610.8698 E 1,106,421.6377
 C.C. = N 1,896,014.4132 E 1,106,169.5753
 Back = N 86° 54' 38.49" E
 Ahead = N 58° 00' 36.58" E
 Chord Bear = N 72° 27' 37.54" E

RAMP E_MANN_F

Point 930 N 1,895,597.7354 E 1,106,430.9752 Sta 9+22.71
 Course from 930 to PC E_MANN_F-1 N 57° 55' 03.54" E Dist 406.1865
 Curve Data
 Curve E_MANN_F-1
 P.I. Station = 13+76.48 N 1,895,838.7511 E 1,106,815.4504
 Delta = 21° 53' 26.59" (RT)
 Degree = 23° 17' 06.19"
 Tangent = 47.5862
 Length = 94.0119
 Radius = 246.0625
 External = 4.5591
 Long Chord = 93.4411
 Mid. Ord. = 4.4762
 P.C. Station = 13+28.90 N 1,895,813.4763 E 1,106,775.1312
 P.T. Station = 14+22.91 N 1,895,847.1711 E 1,106,862.2857
 C.C. = N 1,895,604.9911 E 1,106,905.8243
 Back = N 57° 55' 03.54" E
 Ahead = N 79° 48' 30.13" E
 Chord Bear = N 68° 51' 46.83" E

RAMP E_MANN_G

Curve Data
 Curve E_MANN_G-1
 P.I. Station = 1+84.19 N 1,895,876.2640 E 1,108,808.5350
 Delta = 4° 18' 31.61" (LT)
 Degree = 1° 10' 12.68"
 Tangent = 184.1928
 Length = 368.2121
 Radius = 4,896.2806
 External = 3.4633
 Long Chord = 368.1253
 Mid. Ord. = 3.4609
 P.C. Station = 0+00.00 N 1,895,884.6125 E 1,108,992.5386
 P.T. Station = 3+68.21 N 1,895,854.1147 E 1,108,625.6788
 C.C. = N 1,890,993.3637 E 1,109,214.4606
 Back = S 87° 24' 07.92" W
 Ahead = S 83° 05' 36.31" W
 Chord Bear = S 85° 14' 52.12" W

Course from PT E_MANN_G-1 to PC E_MANN_G-2 S 82° 19' 01.11" W Dist 218.2901

Curve Data
 Curve E_MANN_G-2
 P.I. Station = 6+58.09 N 1,895,812.5501 E 1,108,338.8391
 Delta = 0° 23' 26.85" (LT)
 Degree = 0° 16' 22.61"
 Tangent = 71.5879
 Length = 143.1753
 Radius = 20,991.5350
 External = 0.1221
 Long Chord = 143.1750
 Mid. Ord. = 0.1221
 P.C. Station = 5+86.50 N 1,895,824.9309 E 1,108,409.3483
 P.T. Station = 7+29.68 N 1,895,799.6887 E 1,108,268.4160
 C.C. = N 1,875,149.7072 E 1,112,039.7292
 Back = S 80° 02' 27.27" W
 Ahead = S 79° 39' 00.42" W
 Chord Bear = S 79° 50' 43.84" W

Curve Data
 Curve E_MANN_G-3
 P.I. Station = 9+26.71 N 1,895,763.7592 E 1,108,074.6870
 Delta = 1° 55' 05.82" (LT)
 Degree = 0° 29' 12.62"
 Tangent = 197.0326
 Length = 394.0284
 Radius = 11,768.9444
 External = 1.6492
 Long Chord = 394.0100
 Mid. Ord. = 1.6490
 P.C. Station = 7+29.68 N 1,895,799.6887 E 1,108,268.4160
 P.T. Station = 11+23.71 N 1,895,721.3648 E 1,107,882.2694
 C.C. = N 1,884,228.0736 E 1,110,414.5232
 Back = S 79° 29' 35.27" W
 Ahead = S 77° 34' 29.45" W
 Chord Bear = S 78° 32' 02.36" W

Curve Data
 Curve E_MANN_G-4
 P.I. Station = 13+02.15 N 1,895,682.9693 E 1,107,708.0011
 Delta = 36° 23' 04.13" (RT)
 Degree = 10° 33' 06.15"
 Tangent = 178.4478
 Length = 344.8208
 Radius = 543.0000
 External = 28.5703
 Long Chord = 339.0560
 Mid. Ord. = 27.1422
 P.C. Station = 11+23.71 N 1,895,721.3648 E 1,107,882.2694
 P.T. Station = 14+68.53 N 1,895,755.4348 E 1,107,544.9294
 C.C. = N 1,896,251.6466 E 1,107,765.4353
 Back = S 77° 34' 29.45" W
 Ahead = N 66° 02' 26.41" W
 Chord Bear = N 84° 13' 58.48" W

FILE NAME =	DESIGNED - AJP	REVISED -
...Nexpln_ABC.C2.290_R_Data.exalign_26.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE = 1/25/10	REVISED -

benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
 I-290 RAMP CURVE DATA**

SCALE: N.T.S. SHEET NO. 17 OF 22 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	42
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60G52		

RAMP E_MANN_G

Curve Data

Curve E_MANN_G-5
 P.I. Station = 14+70.18 N 1,895,756.1068 E 1,107,543.4173
 Delta = 0° 20' 00.31" (RT)
 Degree = 10° 04' 29.53"
 Tangent = 1.6547
 Length = 3.3094
 Radius = 568.7000
 External = 0.0024
 Long Chord = 3.3094
 Mid. Ord. = 0.0024
 P.C. Station = 14+68.53 N 1,895,755.4348 E 1,107,544.9294
 P.T. Station = 14+71.84 N 1,895,756.7875 E 1,107,541.9091
 C.C. = N 1,896,275.1322 E 1,107,775.8717
 Back = N 66° 02' 26.41" W
 Ahead = N 65° 42' 26.10" W
 Chord Bear = N 65° 52' 26.26" W

Course from PT E_MANN_G-5 to 941 N 65° 42' 26.10" W Dist 127.2191

Point 941 N 1,895,809.1253 E 1,107,425.9546 Sta 15+99.06

Course from 941 to PC E_MANN_G-6 N 64° 32' 45.93" W Dist 103.0040

Curve Data

Curve E_MANN_G-6
 P.I. Station = 17+86.34 N 1,895,889.6168 E 1,107,256.8508
 Delta = 27° 51' 08.52" (LT)
 Degree = 16° 51' 25.75"
 Tangent = 84.2791
 Length = 165.2258
 Radius = 339.8900
 External = 10.2931
 Long Chord = 163.6038
 Mid. Ord. = 9.9905
 P.C. Station = 17+02.06 N 1,895,853.3949 E 1,107,332.9490
 P.T. Station = 18+67.28 N 1,895,886.0898 E 1,107,172.6455
 C.C. = N 1,895,546.4976 E 1,107,186.8695
 Back = N 64° 32' 45.93" W
 Ahead = S 87° 36' 05.54" W
 Chord Bear = N 78° 28' 20.20" W

Course from PT E_MANN_G-6 to 942 S 87° 36' 05.54" W Dist 127.6791

Point 942 N 1,895,880.7466 E 1,107,045.0783 Sta 19+94.96

Course from 942 to 943 N 85° 22' 05.22" E Dist 45.2593

Point 943 N 1,895,884.4014 E 1,107,090.1897 Sta 20+40.22

Course from 943 to 944 N 4° 35' 20.95" W Dist 1.9682

Point 944 N 1,895,886.3634 E 1,107,090.0323 Sta 20+42.19

RAMP E_MANN_H

Curve Data

Curve E_MANN_H-1
 P.I. Station = 0+49.39 N 1,895,563.3230 E 1,107,176.5309
 Delta = 11° 56' 11.83" (LT)
 Degree = 12° 07' 39.48"
 Tangent = 49.3913
 Length = 98.4250
 Radius = 472.4400
 External = 2.5748
 Long Chord = 98.2471
 Mid. Ord. = 2.5608
 P.C. Station = 0+00.00 N 1,895,559.7879 E 1,107,127.2663
 P.T. Station = 0+98.42 N 1,895,576.9710 E 1,107,223.9991
 C.C. = N 1,896,031.0162 E 1,107,093.4522
 Back = N 85° 53' 44.31" E
 Ahead = N 73° 57' 32.48" E
 Chord Bear = N 79° 55' 38.39" E

Curve Data

Curve E_MANN_H-2
 P.I. Station = 1+39.85 N 1,895,588.4184 E 1,107,263.8135
 Delta = 19° 53' 39.73" (LT)
 Degree = 24° 15' 18.95"
 Tangent = 41.4275
 Length = 82.0208
 Radius = 236.2200
 External = 3.6052
 Long Chord = 81.6094
 Mid. Ord. = 3.5510
 P.C. Station = 0+98.42 N 1,895,576.9710 E 1,107,223.9991
 P.T. Station = 1+80.45 N 1,895,612.7311 E 1,107,297.3565
 C.C. = N 1,895,803.9936 E 1,107,158.7256
 Back = N 73° 57' 32.48" E
 Ahead = N 54° 03' 52.75" E
 Chord Bear = N 64° 00' 42.62" E

Curve Data

Curve E_MANN_H-3
 P.I. Station = 2+10.60 N 1,895,630.4302 E 1,107,321.7752
 Delta = 28° 38' 52.40" (LT)
 Degree = 48° 30' 37.97"
 Tangent = 30.1584
 Length = 59.0550
 Radius = 118.1099
 External = 3.7896
 Long Chord = 58.4417
 Mid. Ord. = 3.6718
 P.C. Station = 1+80.45 N 1,895,612.7311 E 1,107,297.3565
 P.T. Station = 2+39.50 N 1,895,657.6696 E 1,107,334.7191
 C.C. = N 1,895,708.3623 E 1,107,228.0411
 Back = N 54° 03' 52.75" E
 Ahead = N 25° 25' 00.35" E
 Chord Bear = N 39° 44' 26.55" E

Curve Data

Curve E_MANN_H-4
 P.I. Station = 3+16.58 N 1,895,727.2911 E 1,107,367.8028
 Delta = 76° 07' 59.09" (LT)
 Degree = 58° 12' 45.45"
 Tangent = 77.0823
 Length = 130.7845
 Radius = 98.4250
 External = 26.5916
 Long Chord = 121.3730
 Mid. Ord. = 20.9355
 P.C. Station = 2+39.50 N 1,895,657.6696 E 1,107,334.7191
 P.T. Station = 3+70.29 N 1,895,776.0965 E 1,107,308.1395
 C.C. = N 1,895,699.9135 E 1,107,245.8207
 Back = N 25° 25' 00.35" E
 Ahead = N 50° 42' 58.74" W
 Chord Bear = N 12° 38' 59.19" W

RAMP E_MANN_H

Curve Data

Curve E_MANN_H-5
 P.I. Station = 5+05.80 N 1,895,861.9010 E 1,107,203.2461
 Delta = 69° 05' 22.18" (LT)
 Degree = 29° 06' 22.75"
 Tangent = 135.5177
 Length = 237.3694
 Radius = 196.8500
 External = 42.1374
 Long Chord = 223.2474
 Mid. Ord. = 34.7079
 P.C. Station = 3+70.29 N 1,895,776.0965 E 1,107,308.1395
 P.T. Station = 6+07.65 N 1,895,794.5403 E 1,107,085.6553
 C.C. = N 1,895,623.7306 E 1,107,183.5019
 Back = N 50° 42' 58.74" W
 Ahead = S 60° 11' 39.08" W
 Chord Bear = N 85° 15' 39.83" W

Curve Data

Curve E_MANN_H-6
 P.I. Station = 6+32.05 N 1,895,782.4118 E 1,107,064.4828
 Delta = 21° 03' 56.01" (LT)
 Degree = 43° 39' 34.04"
 Tangent = 24.4003
 Length = 48.2497
 Radius = 131.2334
 External = 2.2491
 Long Chord = 47.9784
 Mid. Ord. = 2.2112
 P.C. Station = 6+07.65 N 1,895,794.5403 E 1,107,085.6553
 P.T. Station = 6+55.90 N 1,895,763.4837 E 1,107,049.0846
 C.C. = N 1,895,680.6671 E 1,107,150.8864
 Back = S 60° 11' 39.08" W
 Ahead = S 39° 07' 43.07" W
 Chord Bear = S 49° 39' 41.07" W

Curve Data

Curve E_MANN_H-7
 P.I. Station = 6+89.10 N 1,895,737.7327 E 1,107,028.1359
 Delta = 21° 25' 08.34" (LT)
 Degree = 32° 38' 33.37"
 Tangent = 33.1958
 Length = 65.6167
 Radius = 175.5245
 External = 3.1115
 Long Chord = 65.2352
 Mid. Ord. = 3.0573
 P.C. Station = 6+55.90 N 1,895,763.4837 E 1,107,049.0846
 P.T. Station = 7+21.52 N 1,895,706.1100 E 1,107,018.0380
 C.C. = N 1,895,652.7166 E 1,107,185.2445
 Back = S 39° 07' 43.07" W
 Ahead = S 17° 42' 34.73" W
 Chord Bear = S 28° 25' 08.90" W

Curve Data

Curve E_MANN_H-8
 P.I. Station = 7+82.89 N 1,895,647.6458 E 1,106,999.3688
 Delta = 19° 49' 59.36" (LT)
 Degree = 16° 19' 16.67"
 Tangent = 61.3726
 Length = 121.5170
 Radius = 351.0492
 External = 5.3244
 Long Chord = 120.9112
 Mid. Ord. = 5.2448
 P.C. Station = 7+21.52 N 1,895,706.1100 E 1,107,018.0380
 P.T. Station = 8+43.04 N 1,895,586.3154 E 1,107,001.6429
 C.C. = N 1,895,599.3231 E 1,107,352.4510
 Back = S 17° 42' 34.73" W
 Ahead = S 2° 07' 24.63" E
 Chord Bear = S 7° 47' 35.05" W

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 RAMP CURVE DATA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...Nexpln_ABC_C2_290_R_Data_exalign_27.dgn	DRAWN - TMB	REVISED -				290	[3435, ETC., 3838]RS-5	COOK	264	43	
USER NAME = tblank	CHECKED - JMM	REVISED -				CONTRACT NO. 60G52					
PLOT DATE = 1/25/2010	DATE 1/25/10	REVISED -				FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
						SCALE: N.T.S.	SHEET NO. 18 OF 22 SHEETS	STA. TO STA.			

RAMP E_25TH_A

Curve Data
 Curve E_25TH_A-1
 P.I. Station 1+55.47 N 1,895,827.7084 E 1,110,315.1173
 Delta = 6° 59' 49.33" (RT)
 Degree = 2° 15' 11.08"
 Tangent = 155.4705
 Length = 310.5545
 Radius = 2,543.0000
 External = 4,7480
 Long Chord = 310.3615
 Mid. Ord. = 4,7392
 P.C. Station 0+00.00 N 1,895,821.0997 E 1,110,159.7873
 P.T. Station 3+10.55 N 1,895,815.3460 E 1,110,470.0955
 C.C. N 1,893,280.3982 E 1,110,267.8858
 Back = N 87° 33' 49.41" E
 Ahead = S 85° 26' 21.27" E
 Chord Bear = S 88° 56' 15.93" E

Course from PT E_25TH_A-1 to 1261 S 85° 26' 21.27" E Dist 140.3606

Point 1261 N 1,895,804.1851 E 1,110,610.0117 Sta 4+50.92

Course from 1261 to 1262 S 85° 44' 47.92" E Dist 83.9153

Point 1262 N 1,895,797.9613 E 1,110,693.6959 Sta 5+34.83

Course from 1262 to 1263 S 85° 08' 13.52" E Dist 84.4475

Point 1263 N 1,895,790.8025 E 1,110,777.8395 Sta 6+19.28

Course from 1263 to 1264 S 85° 28' 07.59" E Dist 46.3455

Point 1264 N 1,895,787.1411 E 1,110,824.0402 Sta 6+65.62

RAMP E_25TH_B

Point 1270 N 1,895,947.0653 E 1,110,294.2906 Sta 0+00.00
 Course from 1270 to PC E_25TH_B-1 N 86° 37' 04.31" E Dist 88.9696

Curve Data
 Curve E_25TH_B-1
 P.I. Station 1+68.20 N 1,895,956.9881 E 1,110,462.1940
 Delta = 8° 14' 20.91" (LT)
 Degree = 5° 12' 31.35"
 Tangent = 79.2267
 Length = 158.1802
 Radius = 1,100.0000
 External = 2.8494
 Long Chord = 158.0439
 Mid. Ord. = 2.8421
 P.C. Station 0+88.97 N 1,895,952.3141 E 1,110,383.1053
 P.T. Station 2+47.15 N 1,895,972.9477 E 1,110,539.7965
 C.C. N 1,897,050.3982 E 1,110,318.2106
 Back = N 86° 37' 04.31" E
 Ahead = N 78° 22' 43.40" E
 Chord Bear = N 82° 29' 53.85" E

Curve Data
 Curve E_25TH_B-2
 P.I. Station 2+89.43 N 1,895,981.4651 E 1,110,581.2123
 Delta = 0° 04' 34.43" (LT)
 Degree = 0° 05' 24.52"
 Tangent = 42.2825
 Length = 84.5651
 Radius = 63,559.0260
 External = 0.0141
 Long Chord = 84.5651
 Mid. Ord. = 0.0141
 P.C. Station 2+47.15 N 1,895,972.9477 E 1,110,539.7965
 P.T. Station 3+31.71 N 1,895,990.0377 E 1,110,622.6167
 C.C. N 1,958,229.0457 E 1,097,736.3580
 Back = N 78° 22' 43.40" E
 Ahead = N 78° 18' 08.96" E
 Chord Bear = N 78° 20' 26.18" E

Course from PT E_25TH_B-2 to 1271 N 77° 22' 44.74" E Dist 199.0278

Point 1271 N 1,896,033.5251 E 1,110,816.8354 Sta 5+30.74

RAMP E_25TH_C

Point 1280 N 1,895,902.1657 E 1,112,174.1276 Sta 0+00.00
 Course from 1280 to PC E_25TH_C-1 S 85° 46' 00.46" W Dist 180.2220

Curve Data
 Curve E_25TH_C-1
 P.I. Station 3+16.64 N 1,895,845.1610 E 1,111,865.1679
 Delta = 96° 53' 57.58" (LT)
 Degree = 47° 23' 18.20"
 Tangent = 136.4186
 Length = 204.4790
 Radius = 120.9068
 External = 61.3800
 Long Chord = 180.9668
 Mid. Ord. = 40.7120
 P.C. Station 1+80.22 N 1,895,888.8624 E 1,111,994.3972
 P.T. Station 3+84.70 N 1,895,722.1171 E 1,111,924.0766
 C.C. N 1,895,774.3274 E 1,112,033.1295
 Back = S 71° 18' 57.66" W
 Ahead = S 25° 34' 59.92" E
 Chord Bear = S 22° 51' 58.87" W

Curve Data
 Curve E_25TH_C-2
 P.I. Station 5+35.07 N 1,895,593.3338 E 1,112,001.7114
 Delta = 69° 45' 05.56" (LT)
 Degree = 26° 33' 23.48"
 Tangent = 150.3739
 Length = 262.6532
 Radius = 215.7503
 External = 47.2335
 Long Chord = 246.7316
 Mid. Ord. = 38.7501
 P.C. Station 3+84.70 N 1,895,722.1171 E 1,111,924.0766
 P.T. Station 6+47.35 N 1,895,621.6000 E 1,112,149.4048
 C.C. N 1,895,833.5044 E 1,112,108.8496
 Back = S 31° 04' 58.66" E
 Ahead = N 79° 09' 55.78" E
 Chord Bear = S 65° 57' 31.44" E

Curve Data
 Curve E_25TH_C-3
 P.I. Station 7+01.28 N 1,895,631.7366 E 1,112,202.3694
 Delta = 39° 53' 57.41" (LT)
 Degree = 38° 33' 56.97"
 Tangent = 53.9258
 Length = 103.4576
 Radius = 148.5662
 External = 9.4841
 Long Chord = 101.3798
 Mid. Ord. = 8.9150
 P.C. Station 6+47.35 N 1,895,621.6000 E 1,112,149.4048
 P.T. Station 7+50.81 N 1,895,673.4867 E 1,112,236.5004
 C.C. N 1,895,767.5179 E 1,112,121.4784
 Back = N 79° 09' 55.78" E
 Ahead = N 39° 15' 58.37" E
 Chord Bear = N 59° 12' 57.07" E

Curve Data
 Curve E_25TH_C-4
 P.I. Station 8+33.60 N 1,895,737.3649 E 1,112,289.1566
 Delta = 40° 21' 30.30" (LT)
 Degree = 25° 26' 11.09"
 Tangent = 82.7834
 Length = 158.6640
 Radius = 225.2510
 External = 14.7305
 Long Chord = 155.4041
 Mid. Ord. = 13.8263
 P.C. Station 7+50.81 N 1,895,673.4867 E 1,112,236.5004
 P.T. Station 9+09.48 N 1,895,820.1390 E 1,112,287.9158
 C.C. N 1,895,816.7627 E 1,112,062.6901
 Back = N 39° 29' 58.44" E
 Ahead = N 0° 51' 31.86" W
 Chord Bear = N 19° 19' 13.29" E

FILE NAME =	DESIGNED - AJP	REVISED -
... \expln\ABC_C2_290_R_Data\align_20.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ALIGNMENT PLAN I-290 RAMP CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCALE: N.T.S.	SHEET NO. 19 OF 22 SHEETS	STA.	TO STA.	290	(3435, ETC., 3838RS-5)	COOK	264	44
					CONTRACT NO. 60G52				
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RAMP E_25TH_D

Point 1290 N 1,896,012.2594 E 1,112,273.3279 Sta 0+00.00

Course from 1290 to PC E_25TH_D-1 S 88° 09' 22.62" W Dist 55.7992

Curve Data

Curve E_25TH_D-1
 P.I. Station = 2+13.34 N 1,896,003.6140 E 1,112,060.1643
 Delta = 42° 20' 44.60" (RT)
 Degree = 14° 05' 11.75"
 Tangent = 157.5423
 Length = 300.6100
 Radius = 406.7396
 External = 29.4446
 Long Chord = 293.8148
 Mid. Ord. = 27.4570
 P.C. Station = 0+55.80 N 1,896,010.4642 E 1,112,217.5576
 P.T. Station = 3+56.41 N 1,896,104.5716 E 1,111,939.2215
 C.C. = N 1,896,416.8191 E 1,112,199.8719
 Back = S 87° 30' 28.45" W
 Ahead = N 50° 08' 46.94" W
 Chord Bear = N 71° 19' 09.25" W

Curve Data

Curve E_25TH_D-2
 P.I. Station = 4+29.00 N 1,896,156.5456 E 1,111,888.5478
 Delta = 57° 07' 15.68" (RT)
 Degree = 42° 57' 52.47"
 Tangent = 72.5888
 Length = 132.9491
 Radius = 133.3559
 External = 18.4760
 Long Chord = 127.5113
 Mid. Ord. = 16.2277
 P.C. Station = 3+56.41 N 1,896,104.5716 E 1,111,939.2215
 P.T. Station = 4+89.36 N 1,896,227.3174 E 1,111,904.6875
 C.C. = N 1,896,197.6664 E 1,112,034.7052
 Back = N 44° 16' 27.30" W
 Ahead = N 12° 50' 48.38" E
 Chord Bear = N 15° 42' 49.46" W

Curve Data

Curve E_25TH_D-3
 P.I. Station = 5+96.17 N 1,896,327.4119 E 1,111,941.9613
 Delta = 66° 55' 50.76" (RT)
 Degree = 35° 27' 32.17"
 Tangent = 106.8094
 Length = 188.7557
 Radius = 161.5835
 External = 32.1108
 Long Chord = 178.2049
 Mid. Ord. = 26.7874
 P.C. Station = 4+89.36 N 1,896,227.3174 E 1,111,904.6875
 P.T. Station = 6+78.11 N 1,896,332.3401 E 1,112,048.6570
 C.C. = N 1,896,170.9287 E 1,112,056.1125
 Back = N 20° 25' 28.74" E
 Ahead = N 87° 21' 19.50" E
 Chord Bear = N 53° 53' 24.12" E

Curve Data

Curve E_25TH_D-4
 P.I. Station = 7+54.42 N 1,896,339.9313 E 1,112,124.5818
 Delta = 29° 55' 04.82" (RT)
 Degree = 20° 03' 45.31"
 Tangent = 76.3034
 Length = 149.1234
 Radius = 285.5852
 External = 10.0178
 Long Chord = 147.4350
 Mid. Ord. = 9.6783
 P.C. Station = 6+78.11 N 1,896,332.3401 E 1,112,048.6570
 P.T. Station = 8+27.24 N 1,896,308.6427 E 1,112,194.1751
 C.C. = N 1,896,048.1717 E 1,112,077.0691
 Back = N 84° 17' 25.29" E
 Ahead = S 65° 47' 29.89" E
 Chord Bear = S 80° 45' 02.30" E

RAMP E_25TH_D

Curve Data

Curve E_25TH_D-5
 P.I. Station = 8+73.64 N 1,896,289.0066 E 1,112,236.2224
 Delta = 39° 37' 36.85" (RT)
 Degree = 44° 28' 58.77"
 Tangent = 46.4064
 Length = 89.0833
 Radius = 128.8038
 External = 8.1048
 Long Chord = 87.3184
 Mid. Ord. = 7.6250
 P.C. Station = 8+27.24 N 1,896,308.6427 E 1,112,194.1751
 P.T. Station = 9+16.32 N 1,896,247.0655 E 1,112,256.0843
 C.C. = N 1,896,191.9376 E 1,112,139.6741
 Back = S 64° 58' 03.13" E
 Ahead = S 25° 20' 26.27" E
 Chord Bear = S 45° 09' 14.70" E

Curve Data

Curve E_25TH_D-6
 P.I. Station = 9+55.29 N 1,896,210.9602 E 1,112,270.7607
 Delta = 14° 37' 14.00" (RT)
 Degree = 18° 51' 32.96"
 Tangent = 38.9742
 Length = 77.5250
 Radius = 303.8088
 External = 2.4897
 Long Chord = 77.3148
 Mid. Ord. = 2.4695
 P.C. Station = 9+16.32 N 1,896,247.0655 E 1,112,256.0843
 P.T. Station = 9+93.85 N 1,896,172.3195 E 1,112,275.8483
 C.C. = N 1,896,132.6611 E 1,111,974.6391
 Back = S 22° 07' 16.38" E
 Ahead = S 7° 30' 02.38" E
 Chord Bear = S 14° 48' 39.38" E

RAMP E_25TH_E

Point 1300 N 1,896,060.4203 E 1,113,054.8552 Sta 0+00.00

Course from 1300 to 1301 N 89° 39' 43.70" W Dist 30.2231

Point 1301 N 1,896,060.5986 E 1,113,024.6326 Sta 0+30.22

Course from 1301 to 1302 N 85° 07' 51.72" W Dist 270.3451

Point 1302 N 1,896,083.5447 E 1,112,755.2631 Sta 3+00.57

Course from 1302 to PC E_25TH_E-1 N 86° 28' 45.76" W Dist 292.0174

Curve Data

Curve E_25TH_E-1
 P.I. Station = 7+12.16 N 1,896,101.2628 E 1,112,344.2208
 Delta = 83° 22' 29.59" (RT)
 Degree = 42° 40' 20.95"
 Tangent = 119.5762
 Length = 195.3832
 Radius = 134.2687
 External = 45.5272
 Long Chord = 178.5952
 Mid. Ord. = 33.9990
 P.C. Station = 5+92.59 N 1,896,101.4769 E 1,112,463.7968
 P.T. Station = 7+87.97 N 1,896,220.0156 E 1,112,330.2123
 C.C. = N 1,896,235.7453 E 1,112,463.5564
 Back = S 89° 53' 50.74" W
 Ahead = N 6° 43' 39.68" W
 Chord Bear = N 48° 24' 54.47" W

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 RAMP CURVE DATA				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \expln_ABC_C2_290_R_Data_exalign_29.dgn	DRAWN - TMB	REVISED -			290	(3435, ETC., 3838)RS-5	COOK	264	45				
USER NAME = tblank	CHECKED - JMM	REVISED -			CONTRACT NO. 60G52								
PLOT DATE = 1/25/2010	DATE = 1/25/10	REVISED -			SCALE: N.T.S.	SHEET NO. 20 OF 22 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

RAMP E_25TH_G

Point 1320 N 1,895,914.4773 E 1,112,382.8372 Sta 0+00.00

Course from 1320 to PC E_25TH_G-1 S 87° 44' 54.47" E Dist 31.4109

Curve Data

Curve E_25TH_G-1
 P.I. Station 1+15.69 N 1,895,909.7461 E 1,112,498.4329
 Delta = 21° 38' 40.69" (RT)
 Degree = 12° 59' 44.06"
 Tangent = 84.2817
 Length = 166.5539
 Radius = 440.8869
 External = 7.9835
 Long Chord = 165.5653
 Mid. Ord. = 7.8415
 P.C. Station 0+31.41 N 1,895,913.2432 E 1,112,414.2238
 P.T. Station 1+97.96 N 1,895,875.4352 E 1,112,575.4145
 C.C. N 1,895,472.7360 E 1,112,395.9300
 Back = S 87° 37' 18.94" E
 Ahead = S 65° 58' 38.26" E
 Chord Bear = S 76° 47' 58.60" E

Curve Data

Curve E_25TH_G-2
 P.I. Station 2+72.08 N 1,895,846.7446 E 1,112,643.7462
 Delta = 49° 40' 44.91" (RT)
 Degree = 35° 47' 15.38"
 Tangent = 74.1106
 Length = 138.8166
 Radius = 160.0995
 External = 16.3211
 Long Chord = 134.5089
 Mid. Ord. = 14.8112
 P.C. Station 1+97.96 N 1,895,875.4352 E 1,112,575.4145
 P.T. Station 3+36.78 N 1,895,776.0814 E 1,112,666.0868
 C.C. N 1,895,727.8195 E 1,112,513.4348
 Back = S 67° 13' 25.77" E
 Ahead = S 17° 32' 40.86" E
 Chord Bear = S 42° 23' 03.32" E

Curve Data

Curve E_25TH_G-3
 P.I. Station 3+83.73 N 1,895,731.0364 E 1,112,679.3365
 Delta = 43° 59' 44.79" (RT)
 Degree = 49° 17' 49.03"
 Tangent = 46.9533
 Length = 89.2464
 Radius = 116.2258
 External = 9.1259
 Long Chord = 87.0700
 Mid. Ord. = 8.4615
 P.C. Station 3+36.78 N 1,895,776.0814 E 1,112,666.0868
 P.T. Station 4+26.03 N 1,895,689.4281 E 1,112,657.5796
 C.C. N 1,895,743.2839 E 1,112,554.5845
 Back = S 16° 23' 27.02" E
 Ahead = S 27° 36' 17.77" W
 Chord Bear = S 5° 36' 25.38" W

Curve Data

Curve E_25TH_G-4
 P.I. Station 4+87.60 N 1,895,635.7879 E 1,112,627.3397
 Delta = 42° 42' 50.56" (RT)
 Degree = 36° 23' 03.85"
 Tangent = 61.5770
 Length = 117.3966
 Radius = 157.4735
 External = 11.6112
 Long Chord = 114.6968
 Mid. Ord. = 10.8138
 P.C. Station 4+26.03 N 1,895,689.4281 E 1,112,657.5796
 P.T. Station 5+43.42 N 1,895,616.8889 E 1,112,568.7347
 C.C. N 1,895,766.7620 E 1,112,520.4033
 Back = S 29° 24' 44.57" W
 Ahead = S 72° 07' 35.13" W
 Chord Bear = S 50° 46' 09.85" W

RAMP E_25TH_G

Curve Data

Curve E_25TH_G-5
 P.I. Station 5+77.13 N 1,895,605.8859 E 1,112,536.8780
 Delta = 13° 01' 45.64" (RT)
 Degree = 19° 24' 47.45"
 Tangent = 33.7034
 Length = 67.1160
 Radius = 295.1385
 External = 1.9181
 Long Chord = 66.9714
 Mid. Ord. = 1.9058
 P.C. Station 5+43.42 N 1,895,616.8889 E 1,112,568.7347
 P.T. Station 6+10.54 N 1,895,602.3482 E 1,112,503.3608
 C.C. N 1,895,895.8564 E 1,112,472.3818
 Back = S 70° 56' 44.02" W
 Ahead = S 83° 58' 29.66" W
 Chord Bear = S 77° 27' 36.84" W

Curve Data

Curve E_25TH_G-6
 P.I. Station 7+04.63 N 1,895,586.5495 E 1,112,410.6053
 Delta = 71° 25' 33.67" (RT)
 Degree = 43° 46' 39.35"
 Tangent = 94.0913
 Length = 163.1566
 Radius = 130.8792
 External = 30.3118
 Long Chord = 152.7951
 Mid. Ord. = 24.6117
 P.C. Station 6+10.54 N 1,895,602.3482 E 1,112,503.3608
 P.T. Station 7+73.70 N 1,895,669.4412 E 1,112,366.0842
 C.C. N 1,895,731.3693 E 1,112,481.3850
 Back = S 80° 20' 01.52" W
 Ahead = N 28° 14' 24.81" W
 Chord Bear = N 63° 57' 11.64" W

Curve Data

Curve E_25TH_G-7
 P.I. Station 8+11.27 N 1,895,705.4149 E 1,112,355.2494
 Delta = 9° 29' 21.36" (RT)
 Degree = 12° 39' 27.97"
 Tangent = 37.5699
 Length = 74.9679
 Radius = 452.6530
 External = 1.5565
 Long Chord = 74.8823
 Mid. Ord. = 1.5511
 P.C. Station 7+73.70 N 1,895,669.4412 E 1,112,366.0842
 P.T. Station 8+48.66 N 1,895,742.6826 E 1,112,350.4936
 C.C. N 1,895,799.9815 E 1,112,799.5055
 Back = N 16° 45' 41.56" W
 Ahead = N 7° 16' 20.20" W
 Chord Bear = N 12° 01' 00.88" W

Course from PT E_25TH_G-7 to 1321 N 8° 19' 37.44" W Dist 71.1656

Point 1321 N 1,895,813.0979 E 1,112,340.1872 Sta 9+19.83

RAMP E_25TH_H

Point 1330 N 1,895,943.2235 E 1,113,067.0833 Sta 0+00.00

Course from 1330 to PC E_25TH_H-1 S 83° 37' 03.65" W Dist 34.0000

Curve Data

Curve E_25TH_H-1
 P.I. Station 1+47.50 N 1,895,921.5611 E 1,112,921.2101
 Delta = 47° 11' 33.91" (LT)
 Degree = 22° 03' 01.61"
 Tangent = 113.5015
 Length = 214.0218
 Radius = 259.8395
 External = 23.7080
 Long Chord = 208.0229
 Mid. Ord. = 21.7257
 P.C. Station 0+34.00 N 1,895,939.4440 E 1,113,033.2940
 P.T. Station 2+48.02 N 1,895,827.1794 E 1,112,858.1650
 C.C. N 1,895,682.8498 E 1,113,074.2334
 Back = S 80° 56' 05.70" W
 Ahead = S 33° 44' 31.79" W
 Chord Bear = S 57° 20' 18.74" W

Course from PT E_25TH_H-1 to PC E_25TH_H-2 S 32° 37' 42.19" W Dist 66.3334

Curve Data

Curve E_25TH_H-2
 P.I. Station 4+40.78 N 1,895,664.8380 E 1,112,754.2300
 Delta = 20° 03' 18.60" (RT)
 Degree = 8° 00' 48.22"
 Tangent = 126.4287
 Length = 250.2705
 Radius = 715.0000
 External = 11.0917
 Long Chord = 248.9948
 Mid. Ord. = 10.9223
 P.C. Station 3+14.36 N 1,895,771.3144 E 1,112,822.3988
 P.T. Station 5+64.63 N 1,895,588.1948 E 1,112,653.6813
 C.C. N 1,896,156.8339 E 1,112,220.2363
 Back = S 32° 37' 42.19" W
 Ahead = S 52° 41' 00.78" W
 Chord Bear = S 42° 39' 21.48" W

Curve Data

Curve E_25TH_H-3
 P.I. Station 6+59.28 N 1,895,529.1693 E 1,112,579.6816
 Delta = 15° 07' 57.32" (RT)
 Degree = 8° 02' 24.62"
 Tangent = 94.6570
 Length = 188.2122
 Radius = 712.6188
 External = 6.2591
 Long Chord = 187.6657
 Mid. Ord. = 6.2046
 P.C. Station 5+64.63 N 1,895,588.1948 E 1,112,653.6813
 P.T. Station 7+52.84 N 1,895,491.5086 E 1,112,492.8391
 C.C. N 1,896,145.2961 E 1,112,209.3125
 Back = S 51° 25' 21.29" W
 Ahead = S 66° 33' 18.61" W
 Chord Bear = S 58° 59' 19.95" W

Course from PT E_25TH_H-3 to PC E_25TH_H-4 S 69° 09' 53.66" W Dist 52.2731

Curve Data

Curve E_25TH_H-4
 P.I. Station 8+73.71 N 1,895,451.3535 E 1,112,378.8633
 Delta = 55° 29' 29.90" (LT)
 Degree = 43° 56' 10.81"
 Tangent = 68.5980
 Length = 126.3001
 Radius = 130.4064
 External = 16.9419
 Long Chord = 121.4214
 Mid. Ord. = 14.9939
 P.C. Station 8+05.11 N 1,895,472.9161 E 1,112,443.9843
 P.T. Station 9+31.41 N 1,895,385.4753 E 1,112,359.7390
 C.C. N 1,895,349.1196 E 1,112,484.9751
 Back = S 71° 40' 46.26" W
 Ahead = S 16° 11' 16.36" W
 Chord Bear = S 43° 56' 01.31" W

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN		F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
... \expln\ABC\C2_290_R_Data\exalign_30.dgn	DRAWN - TMB	REVISED -			I-290 RAMP CURVE DATA		290	(3435, ETC., 3838)RS-5	COOK	264	46	
USER NAME = tblank	CHECKED - JMM	REVISED -			SCALE: N.T.S.		SHEET NO. 21 OF 22 SHEETS	STA.	TO STA.	CONTRACT NO. 60G52		
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					

RAMP E_17TH_A

Curve Data

Curve E_17TH_A-1
 P.I. Station 0+45.08 N 1,896,044.0246 E 1,113,754.3198
 Delta = 2° 55' 33.09" (LT)
 Degree = 3° 14' 46.47"
 Tangent = 45.0751
 Length = 90.1306
 Radius = 1,764.9886
 External = 0.5755
 Long Chord = 90.1208
 Mid. Ord. = 0.5753
 P.C. Station 0+00.00 N 1,896,047.4567 E 1,113,709.3755
 P.T. Station 0+90.13 N 1,896,042.8911 E 1,113,799.3806
 C.C. N 1,897,807.3215 E 1,113,843.7653
 Back = S 85° 37' 59.37" E
 Ahead = S 88° 33' 32.46" E
 Chord Bear = S 87° 05' 45.91" E

Course from PT E_17TH_A-1 to 1351 N 89° 00' 11.06" E Dist 355.6184

Point 1351 N 1,896,049.0784 E 1,114,154.9452 Sta 4+45.75

RAMP E_17TH_B

Curve Data

Curve E_17TH_B-1
 P.I. Station 1+04.18 N 1,895,881.0815 E 1,114,166.1180
 Delta = 7° 10' 54.95" (RT)
 Degree = 3° 27' 05.34"
 Tangent = 104.1777
 Length = 208.0825
 Radius = 1,660.0336
 External = 3.2657
 Long Chord = 207.9463
 Mid. Ord. = 3.2593
 P.C. Station 0+00.00 N 1,895,895.1059 E 1,114,062.8887
 P.T. Station 2+08.08 N 1,895,854.2613 E 1,114,266.7841
 C.C. N 1,894,250.1832 E 1,113,839.4145
 Back = S 82° 15' 48.01" E
 Ahead = S 75° 04' 53.06" E
 Chord Bear = S 78° 40' 20.54" E

Curve Data

Curve E_17TH_B-2
 P.I. Station 2+93.66 N 1,895,832.5140 E 1,114,349.5477
 Delta = 9° 41' 53.02" (LT)
 Degree = 5° 40' 48.38"
 Tangent = 85.5731
 Length = 170.7374
 Radius = 1,008.7100
 External = 3.6233
 Long Chord = 170.5336
 Mid. Ord. = 3.6103
 P.C. Station 2+08.08 N 1,895,854.2613 E 1,114,266.7841
 P.T. Station 3+78.82 N 1,895,825.0196 E 1,114,434.7920
 C.C. N 1,896,829.8536 E 1,114,523.1347
 Back = S 75° 16' 39.16" E
 Ahead = S 84° 58' 32.18" E
 Chord Bear = S 80° 07' 35.67" E

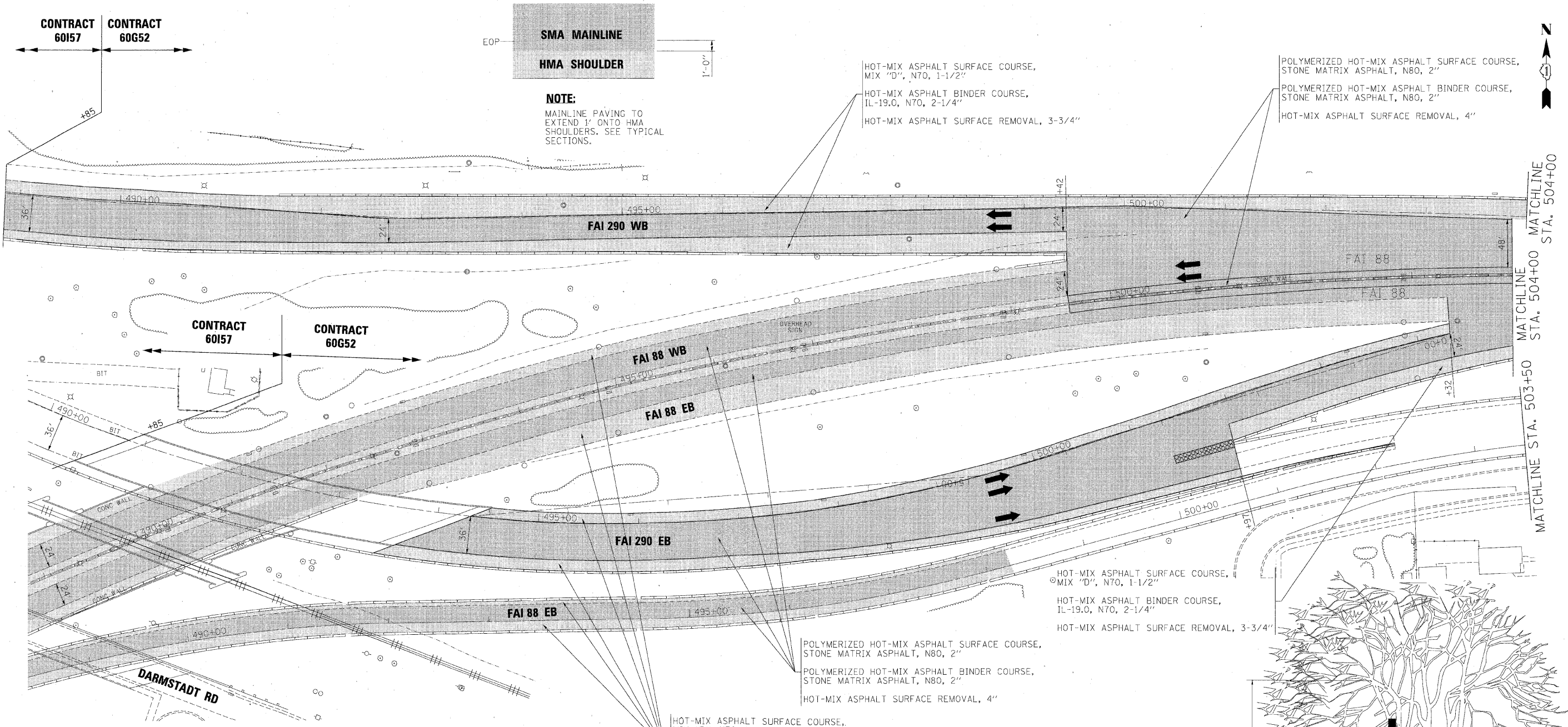
Course from PT E_17TH_B-2 to 1361 S 84° 46' 46.08" E Dist 282.1413

Point 1361 N 1,895,799.3477 E 1,114,715.7629 Sta 6+60.96

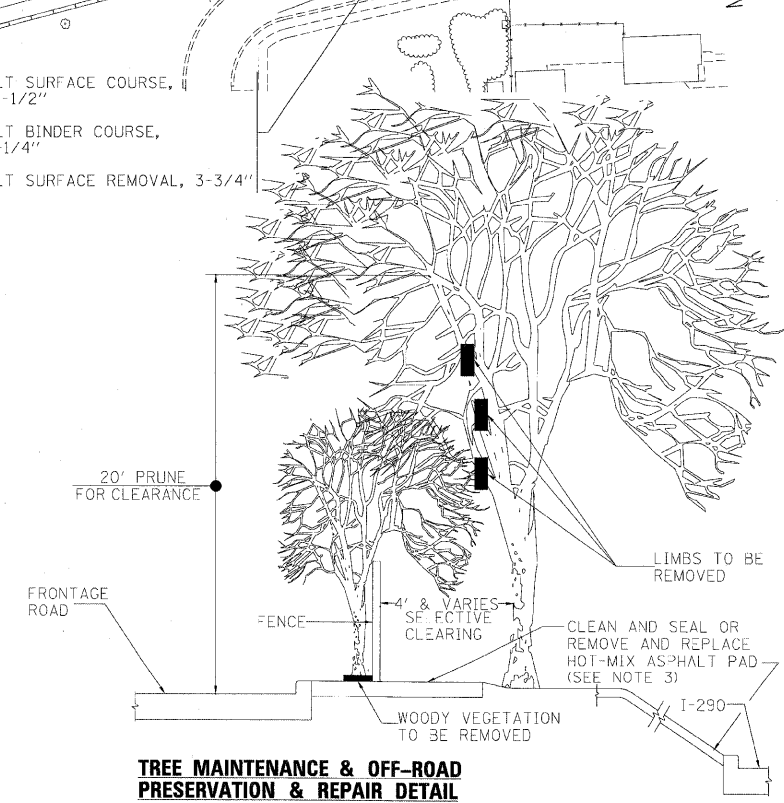
RAMP E_17TH_C

Point 1370 N 1,896,030.6542 E 1,116,379.5039 Sta 0+00.00
 Course from 1370 to 1371 N 89° 12' 24.70" W Dist 314.3178
 Point 1371 N 1,896,035.0051 E 1,116,065.2162 Sta 3+14.32
 Course from 1371 to 1372 N 86° 07' 38.73" W Dist 179.2127
 Point 1372 N 1,896,047.1088 E 1,115,886.4127 Sta 4+93.53
 Course from 1372 to 1373 N 85° 20' 55.33" W Dist 272.2371
 Point 1373 N 1,896,069.1848 E 1,115,615.0722 Sta 7+65.77

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 RAMP CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...expln_ABC_C2_290_R_Data_exalign_31.dgn	DRAWN - TMB	REVISED -			290	(3435, ETC., 3838)RS-5	COOK	264	47		
USER NAME = tblank	CHECKED - JMM	REVISED -			SCALE: N.T.S.		SHEET NO. 22 OF 22 SHEETS	STA.	TO STA.	CONTRACT NO. 60G52	
PLOT DATE = 1/25/2010	DATE = 1/25/10	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT				



- 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.
 3. CLEAN AND SEAL HOT-MIX ASPHALT PAD SHALL BE PAID FOR AS ASPHALTIC EMULSION SLURRY SEAL, FIBER ASPHALT AND BITUMINOUS MATERIALS (PRIME COAT). REMOVE AND REPLACE HOT-MIX ASPHALT PAD SHALL BE PAID FOR AS PAVED SHOULDER REMOVAL (SPECIAL) AND INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL).
- TYPICAL APPLICATIONS OF THIS WORK INCLUDE, BUT ARE NOT LIMITED TO, ALL HOT-MIX ASPHALT PADS AT FENCING ALONG FRONTAGE ROADS, ALL HOT-MIX ASPHALT SIDE SLOPES AT EXIT AND ENTRANCE RAMP AND BRIDGE APPROACHES, AND ALL HOT-MIX ASPHALT PADS AT ENDS OF BARRIER TERMINAL WALLS. FOR LOCATIONS AND EXTENT OF WORK, 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. THE PAD SHALL BE 4" THICK.



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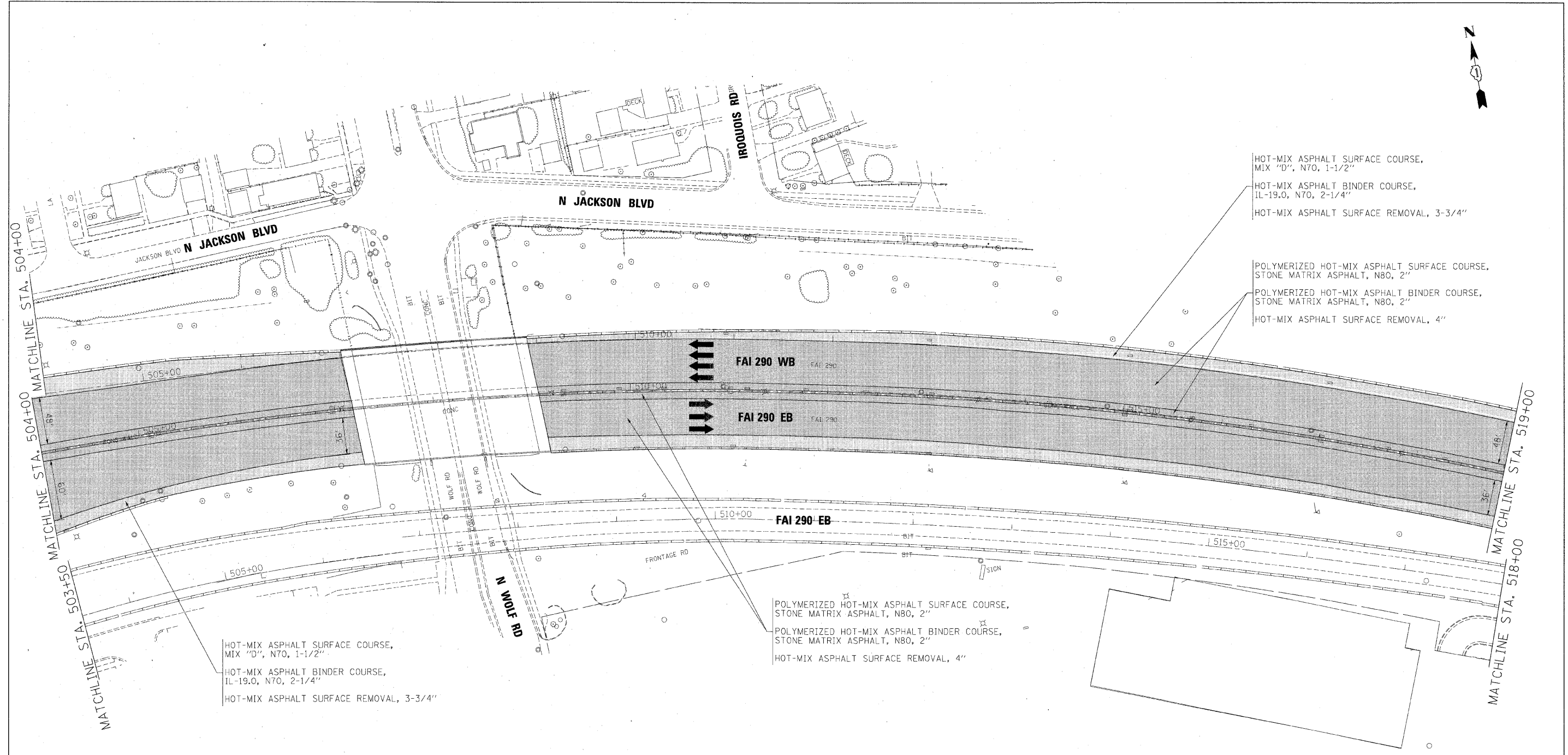
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
I-290 MAINLINE POB TO STA 504+00**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	48
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	

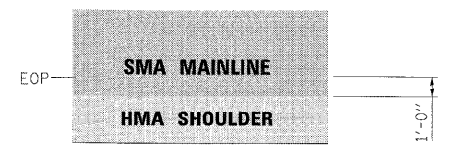


HOT-MIX ASPHALT SURFACE COURSE,
MIX "D", N70, 1-1/2"
HOT-MIX ASPHALT BINDER COURSE,
IL-19.0, N70, 2-1/4"
HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

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"



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

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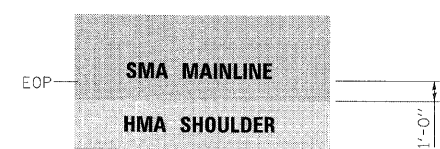
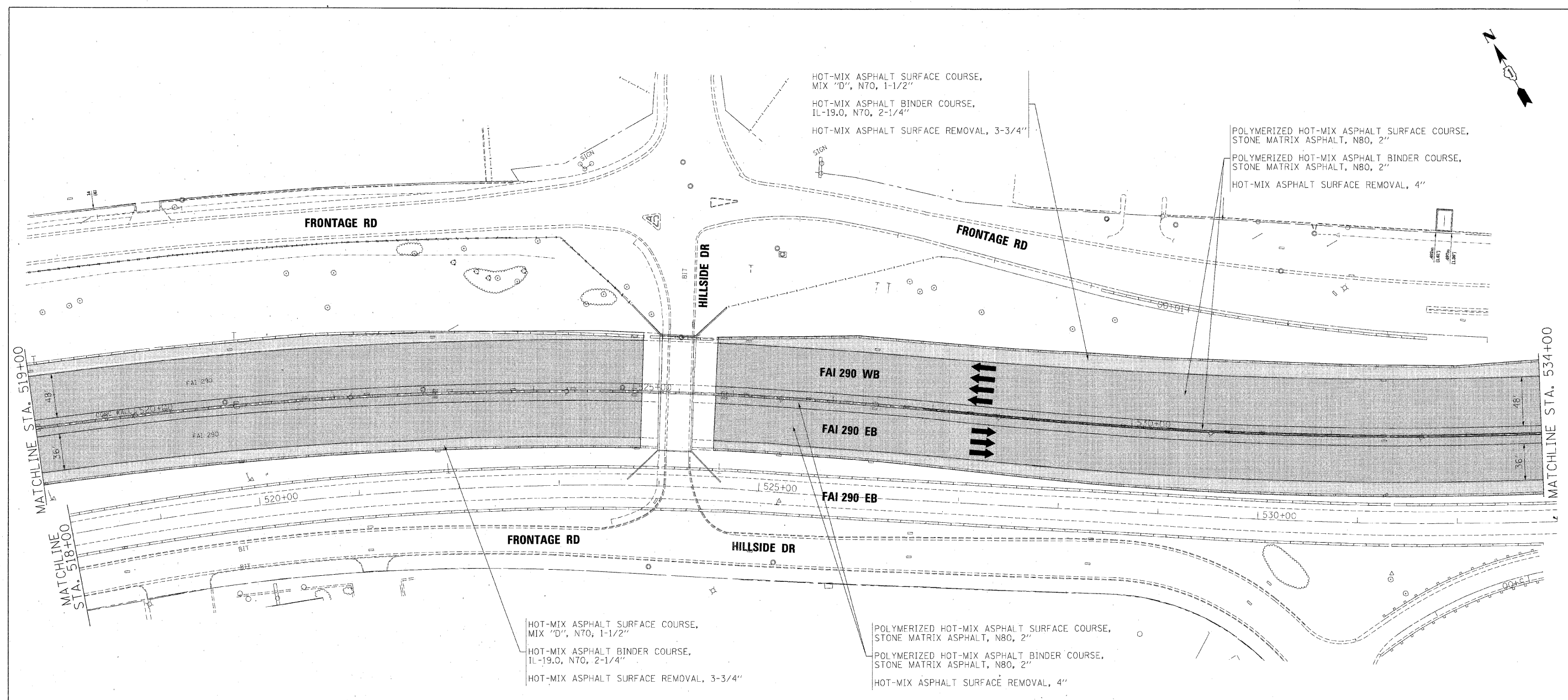
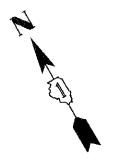
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
I-290 MAINLINE STA 504+00 TO STA 519+00**

SCALE: 1"=50' SHEET NO. 2 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838RS-5	COOK	264	49
CONTRACT NO. 60052				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



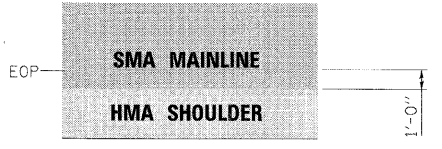
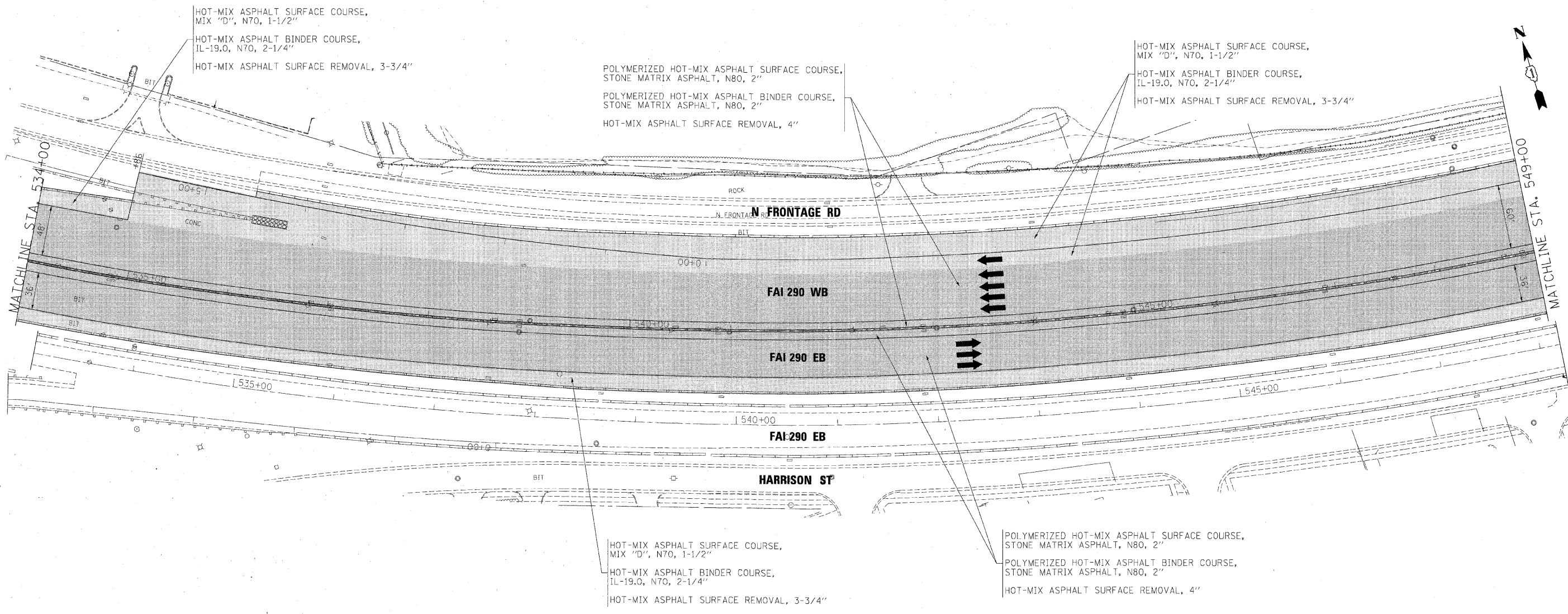
NOTE:
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PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

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 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
I-290 MAINLINE STA 519+00 TO STA 534+00
 SCALE: 1"=50' SHEET NO. 3 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	50
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60652	



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

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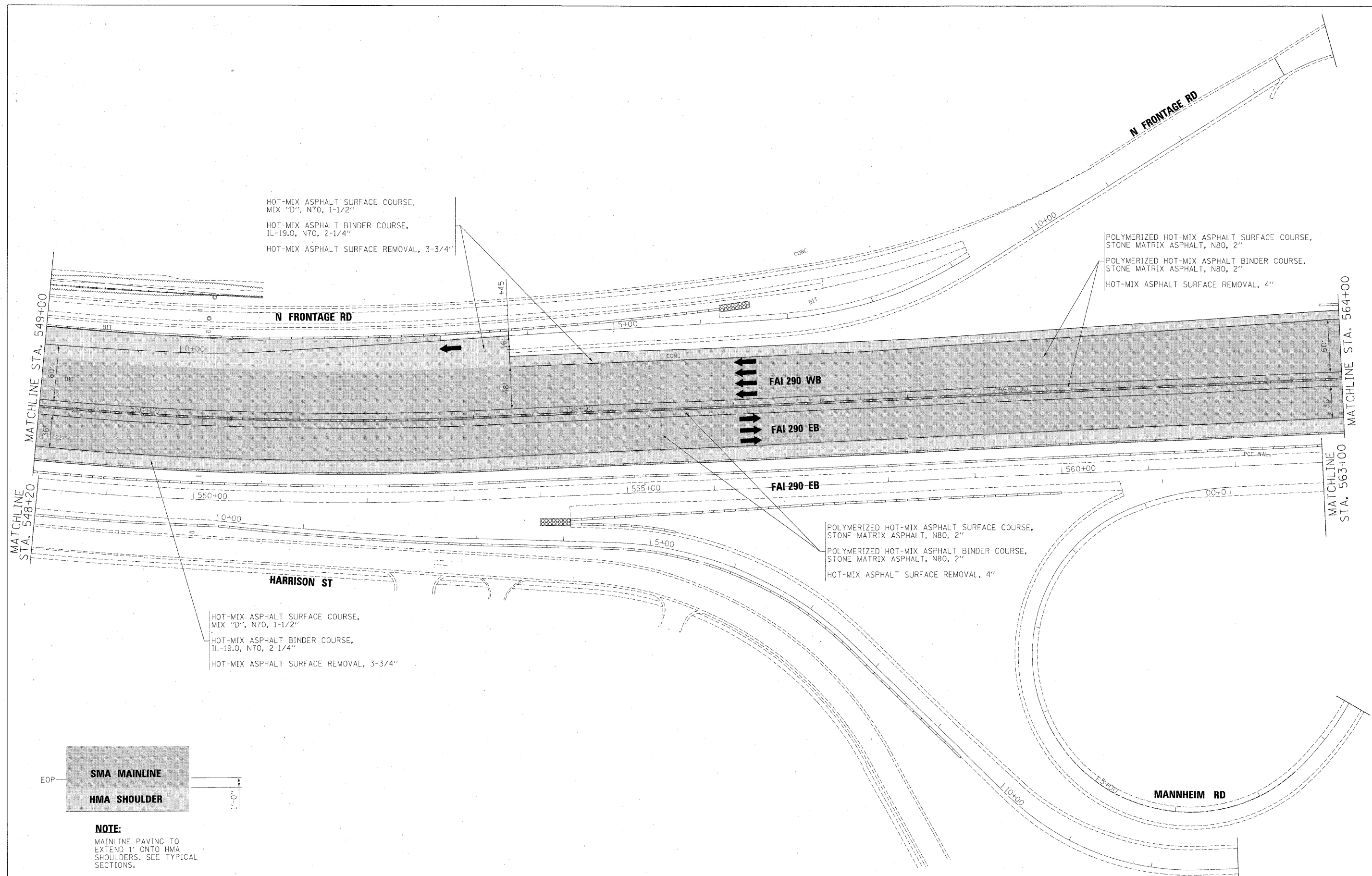
benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 I-290 MAINLINE STA 534+00 TO STA 549+00**

SCALE: 1"=50' SHEET NO. 4 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)R5-5	COOK	264	51
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60652	

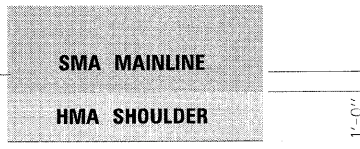


HOT-MIX ASPHALT SURFACE COURSE,
MIX "D", N70, 1-1/2"
HOT-MIX ASPHALT BINDER COURSE,
IL-19.0, N70, 2-1/4"
HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"

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"

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"



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

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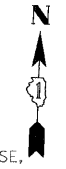
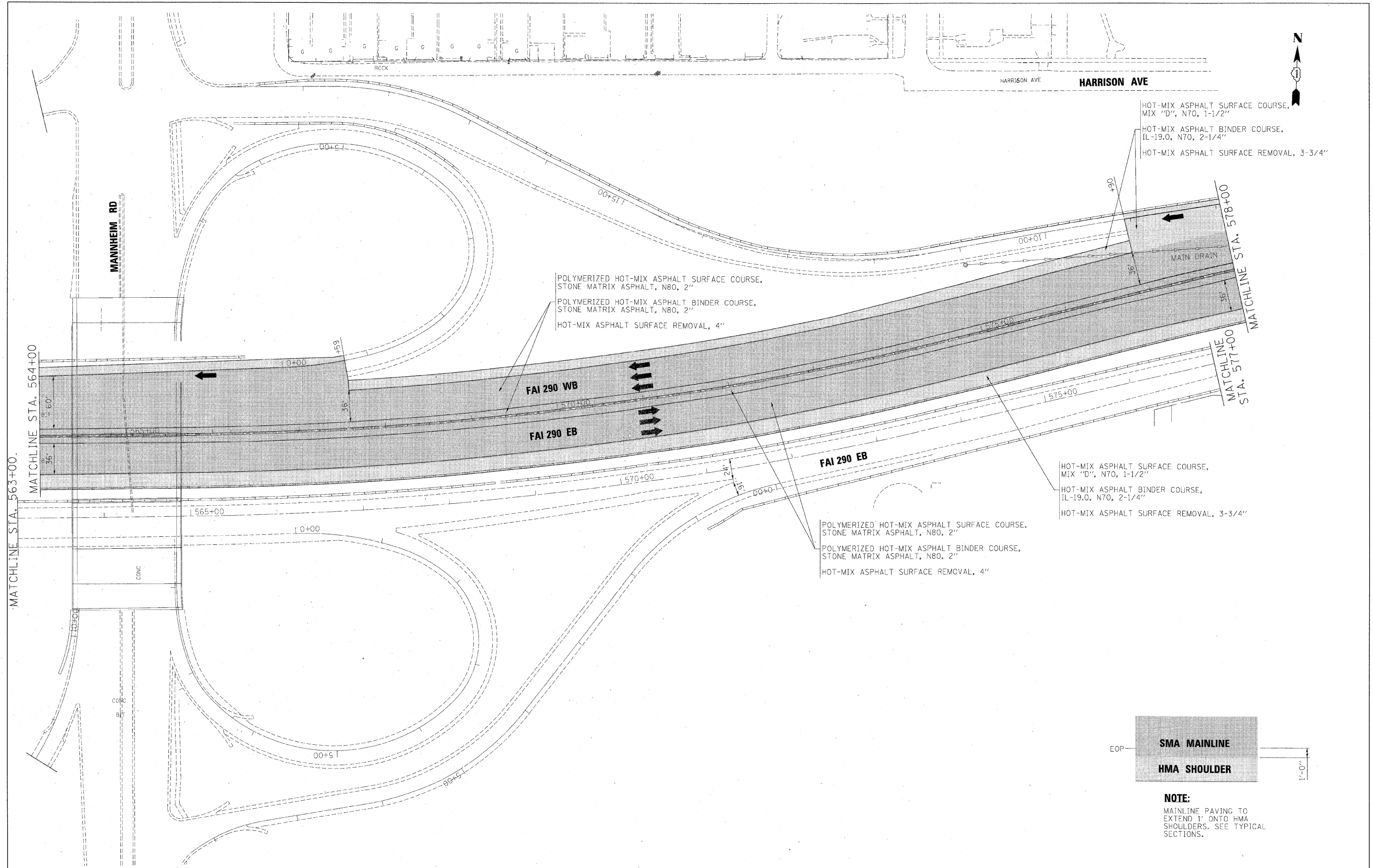
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN
I-290 MAINLINE STA 549+00 TO STA 564+00

SCALE: 1"=50' SHEET NO. 5 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	52
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G52	



MATCHLINE STA. 563+00

MATCHLINE STA. 564+00

MATCHLINE STA. 577+00

MATCHLINE STA. 578+00

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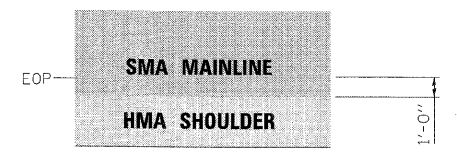
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

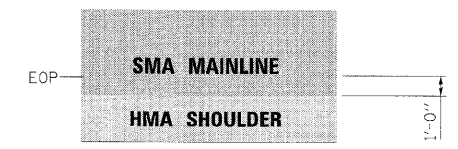
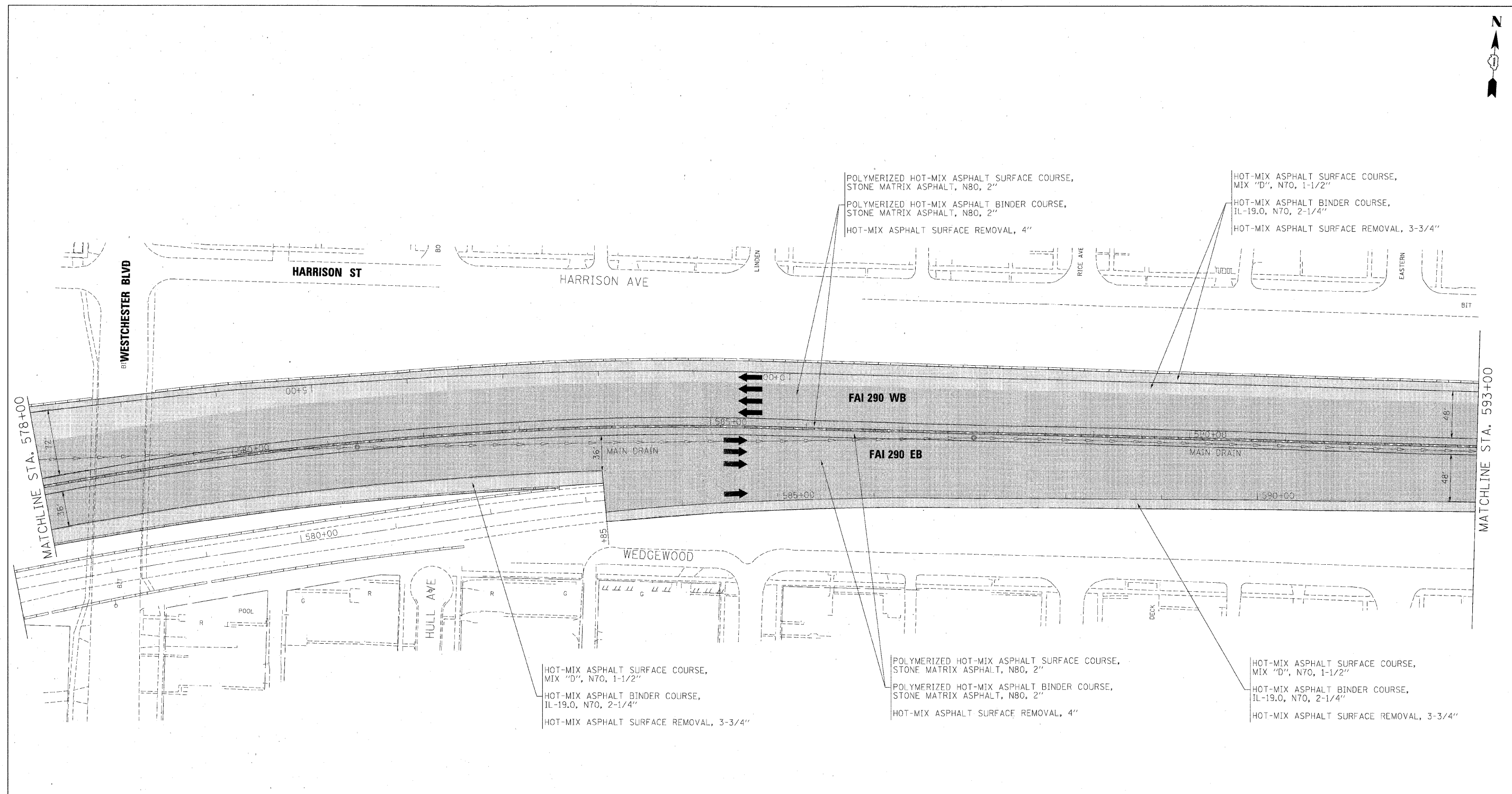
**ROADWAY PLAN
I-290 MAINLINE STA 564+00 TO STA 578+00**

SCALE: 1"=50' SHEET NO. 6 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	53
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60052	



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



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

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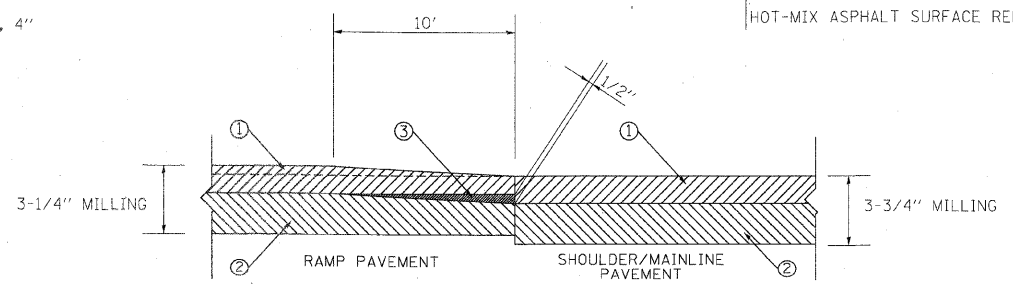
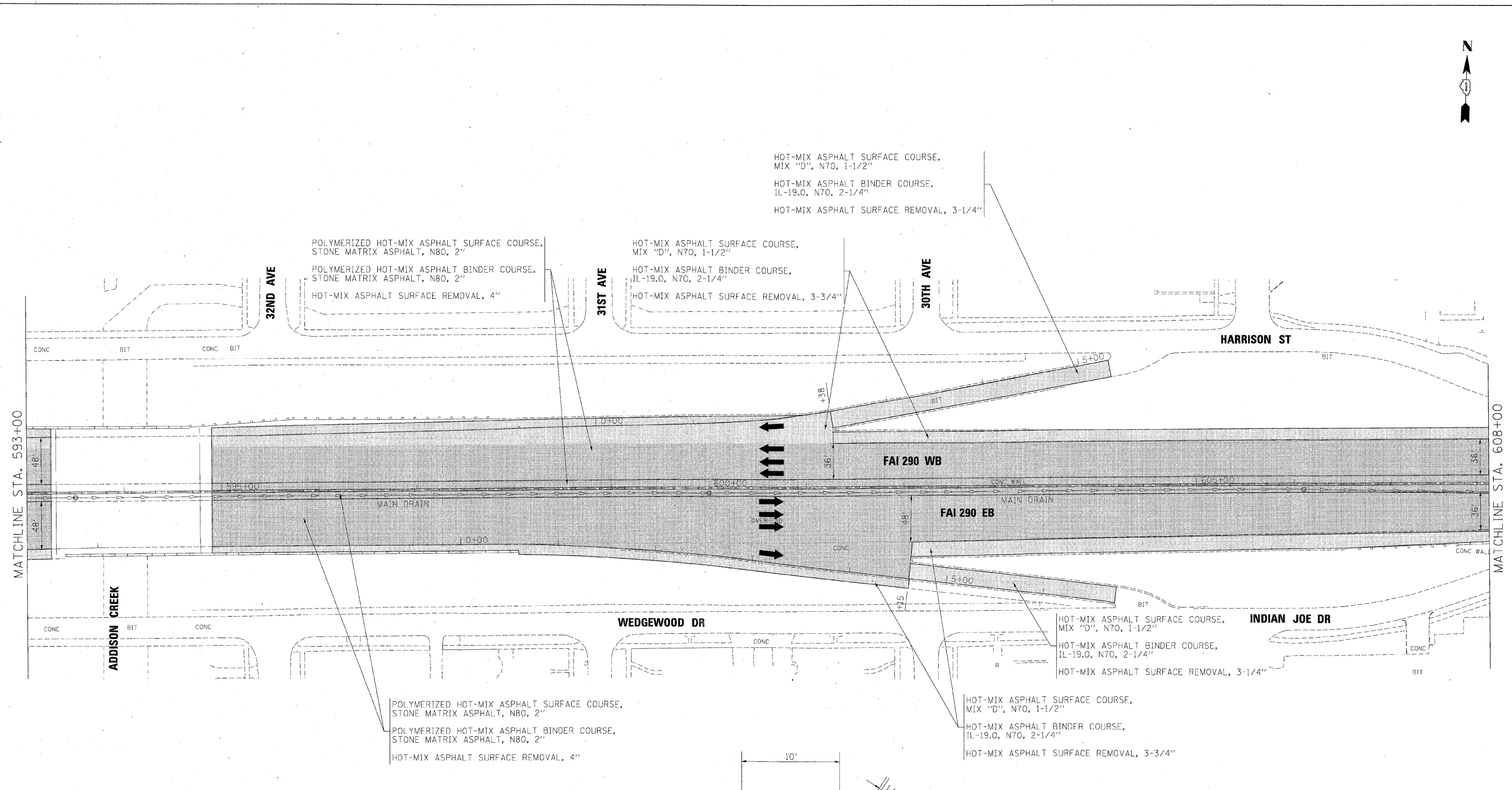
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 I-290 MAINLINE STA 578+00 TO STA 593+00**

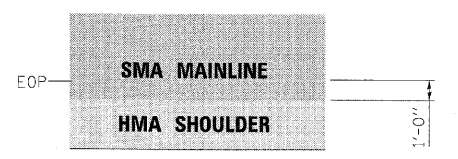
SCALE: 1"=50' SHEET NO. 7 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	54
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60652	



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

RAMP PAVEMENT TRANSITION DETAIL



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

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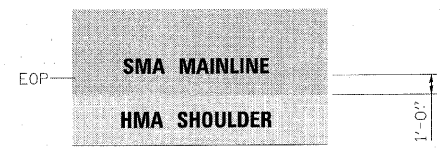
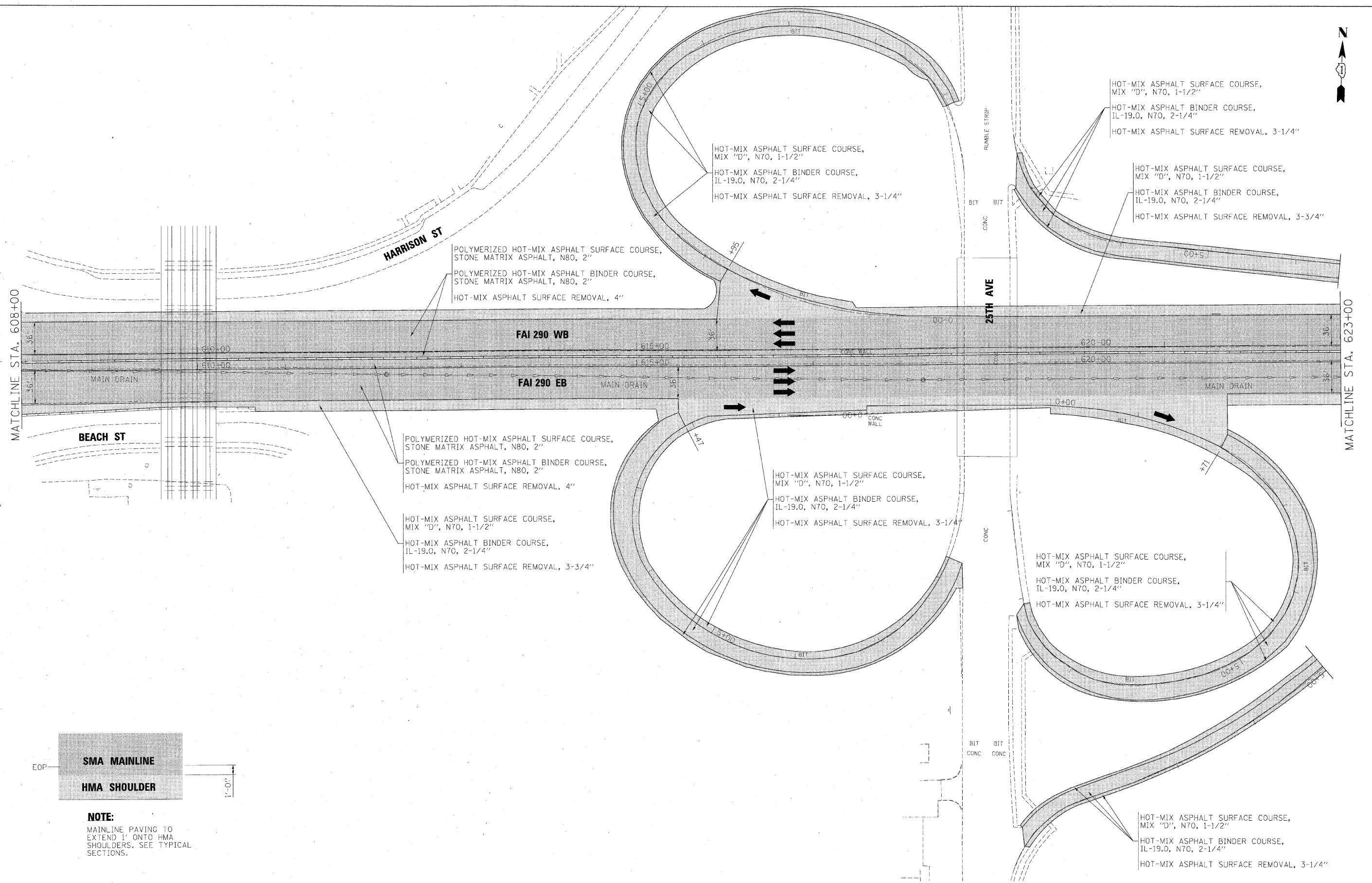
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
I-290 MAINLINE STA 593+00 TO STA 608+00**

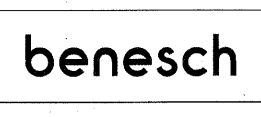
SCALE: 1"=50' SHEET NO. 8 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	55
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	



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

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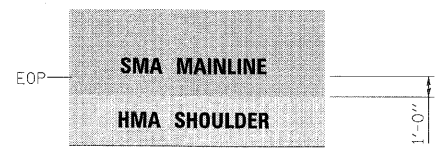
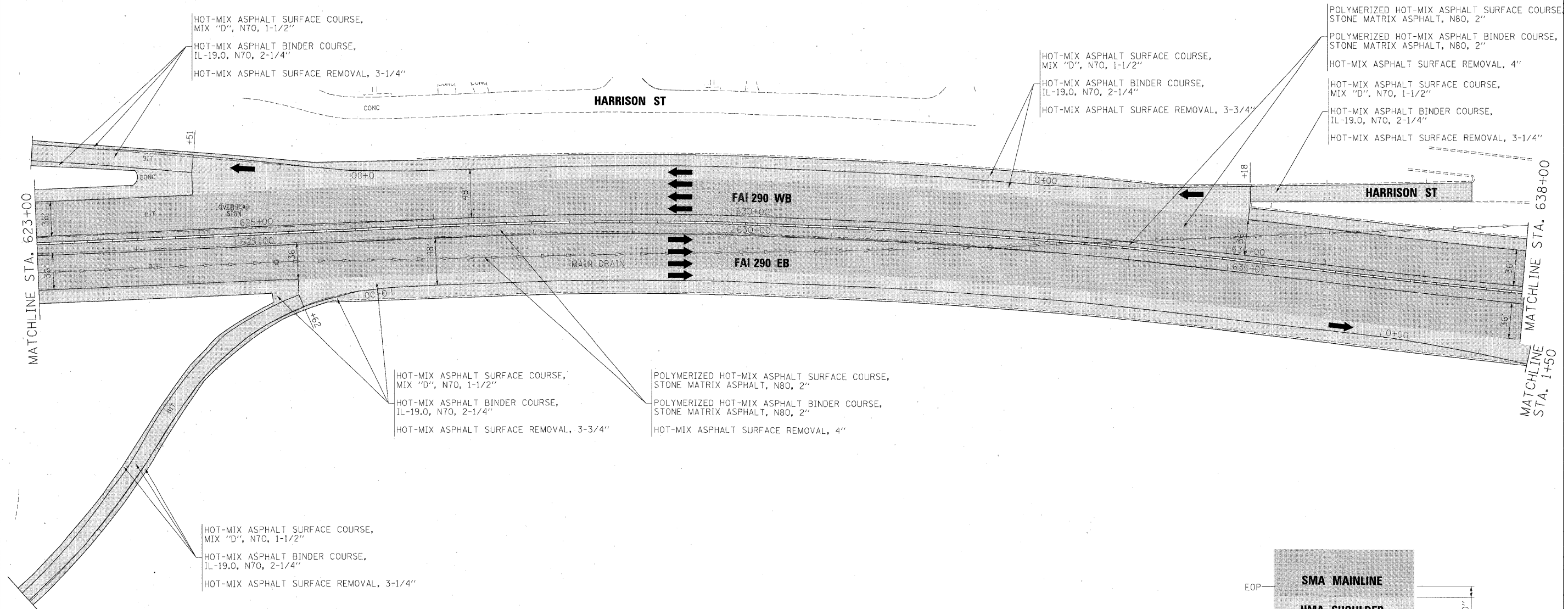


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
I-290 MAINLINE STA 608+00 TO STA 623+00

SCALE: 1"=50' SHEET NO. 9 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	56
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60052	



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

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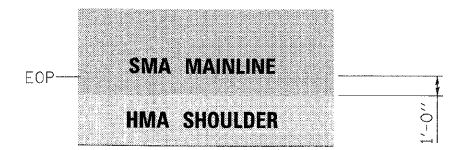
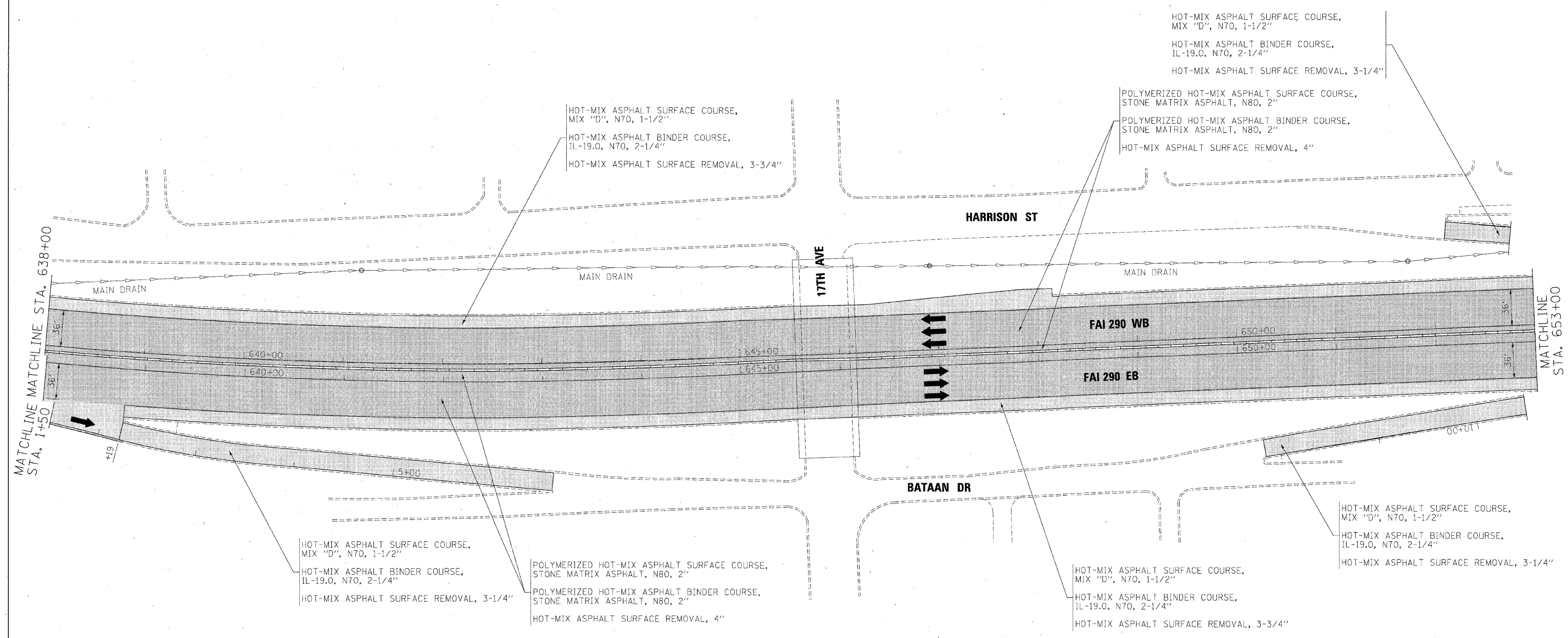
benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 I-290 MAINLINE STA 623+00 TO STA 638+00**

SCALE: 1"=50' SHEET NO. 10 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3858)RS-5	COOK	264	57
CONTRACT NO. 60G52				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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

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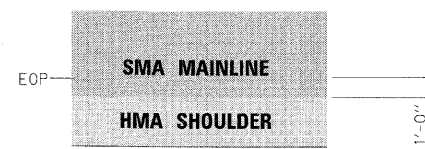
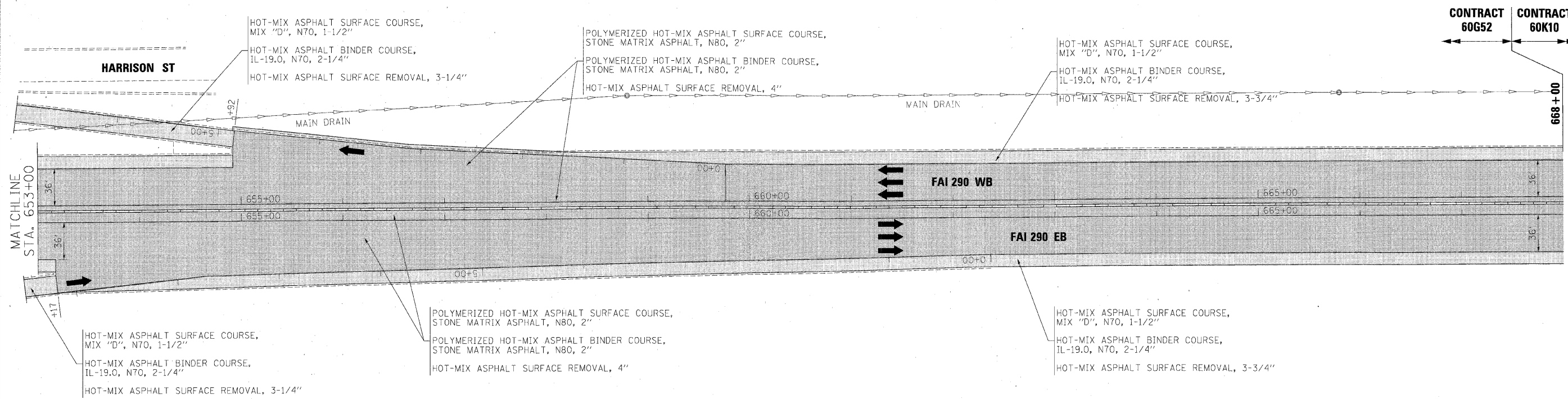
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN
I-290 MAINLINE STA 638+00 TO STA 653+00

SCALE: 1"=50' SHEET NO. 11 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	58
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	



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

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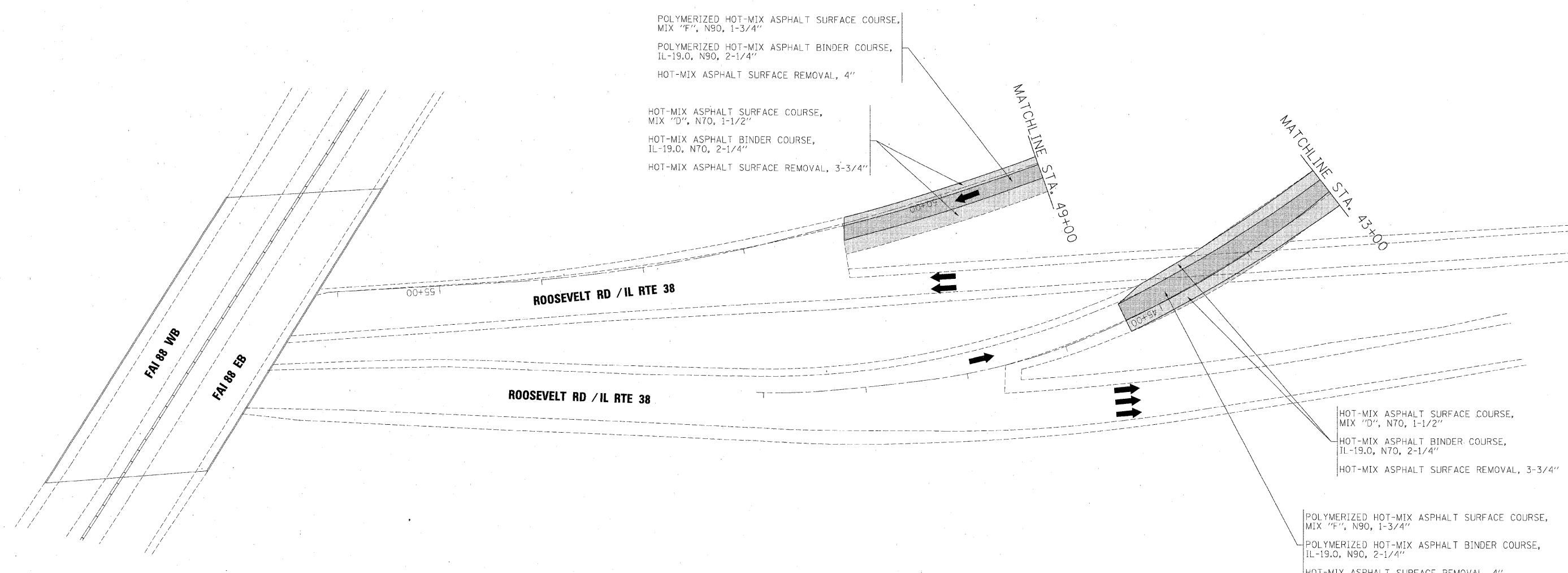
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

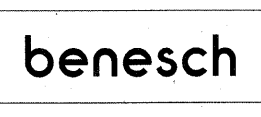
**ROADWAY PLAN
 I-290 MAINLINE STA 653+00 TO POE**

SCALE: 1"=50' SHEET NO. 12 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	59
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	



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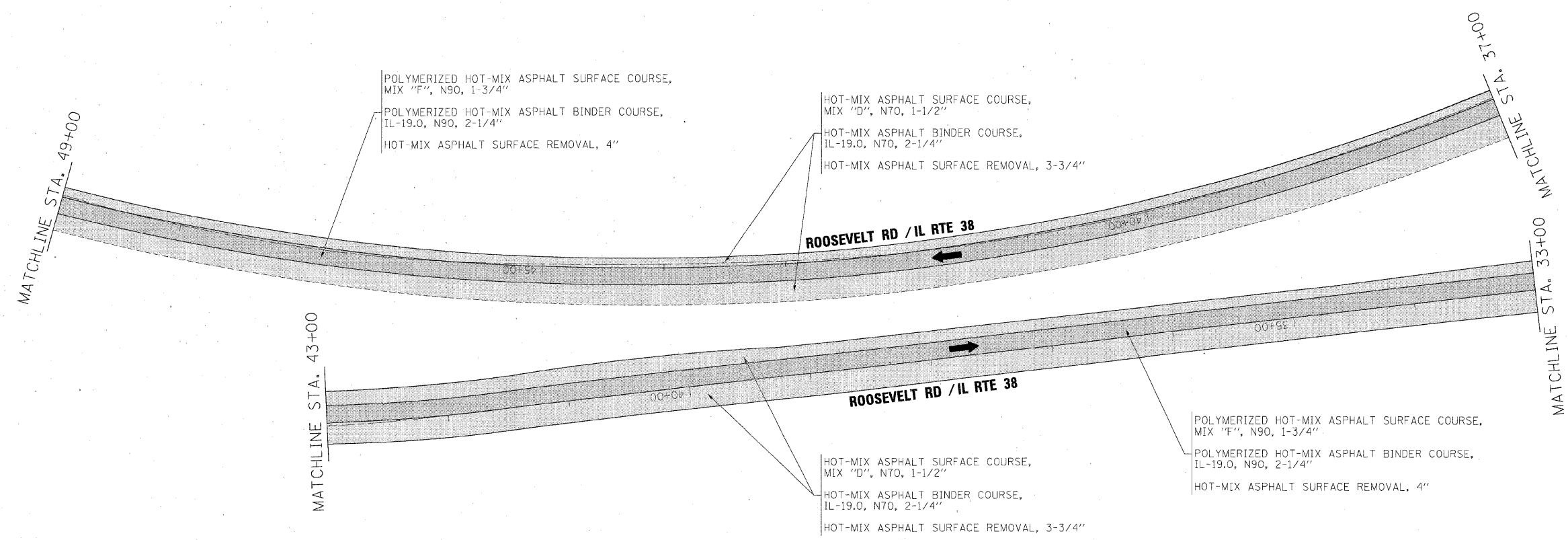
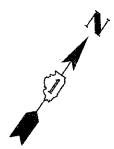
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
ROOSEVELT ROAD/IL RTE 38**

SCALE: 1"=50' SHEET NO. 13 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	60
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 60G52



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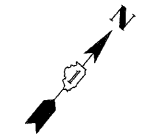
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
ROOSEVELT ROAD/IL RTE 38**

SCALE: 1"=50' SHEET NO. 14 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	61
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	

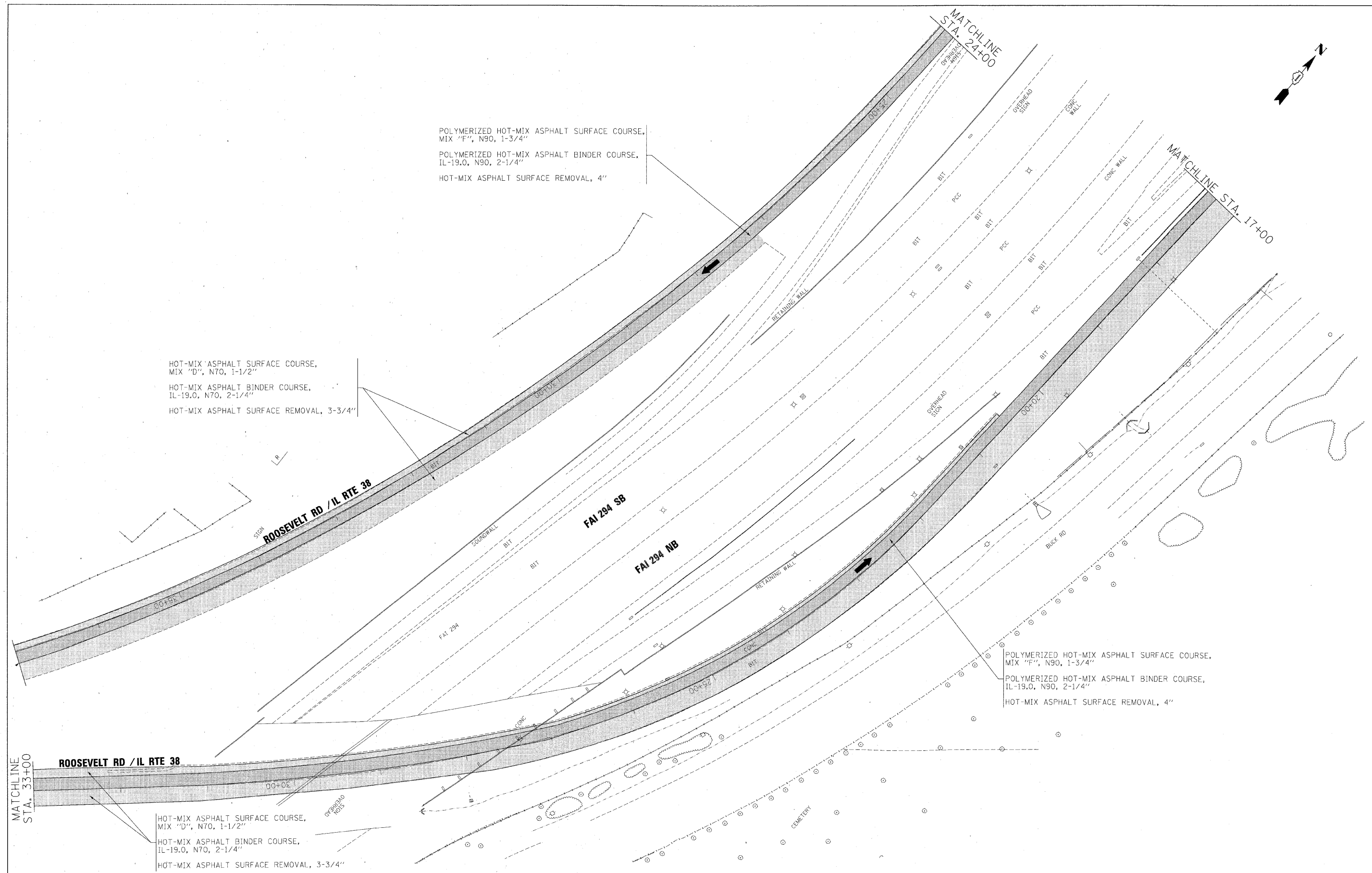


POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,
MIX "F", N90, 1-3/4"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
IL-19.0, N90, 2-1/4"
HOT-MIX ASPHALT SURFACE REMOVAL, 4"

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,
MIX "F", N90, 1-3/4"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,
IL-19.0, N90, 2-1/4"
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"



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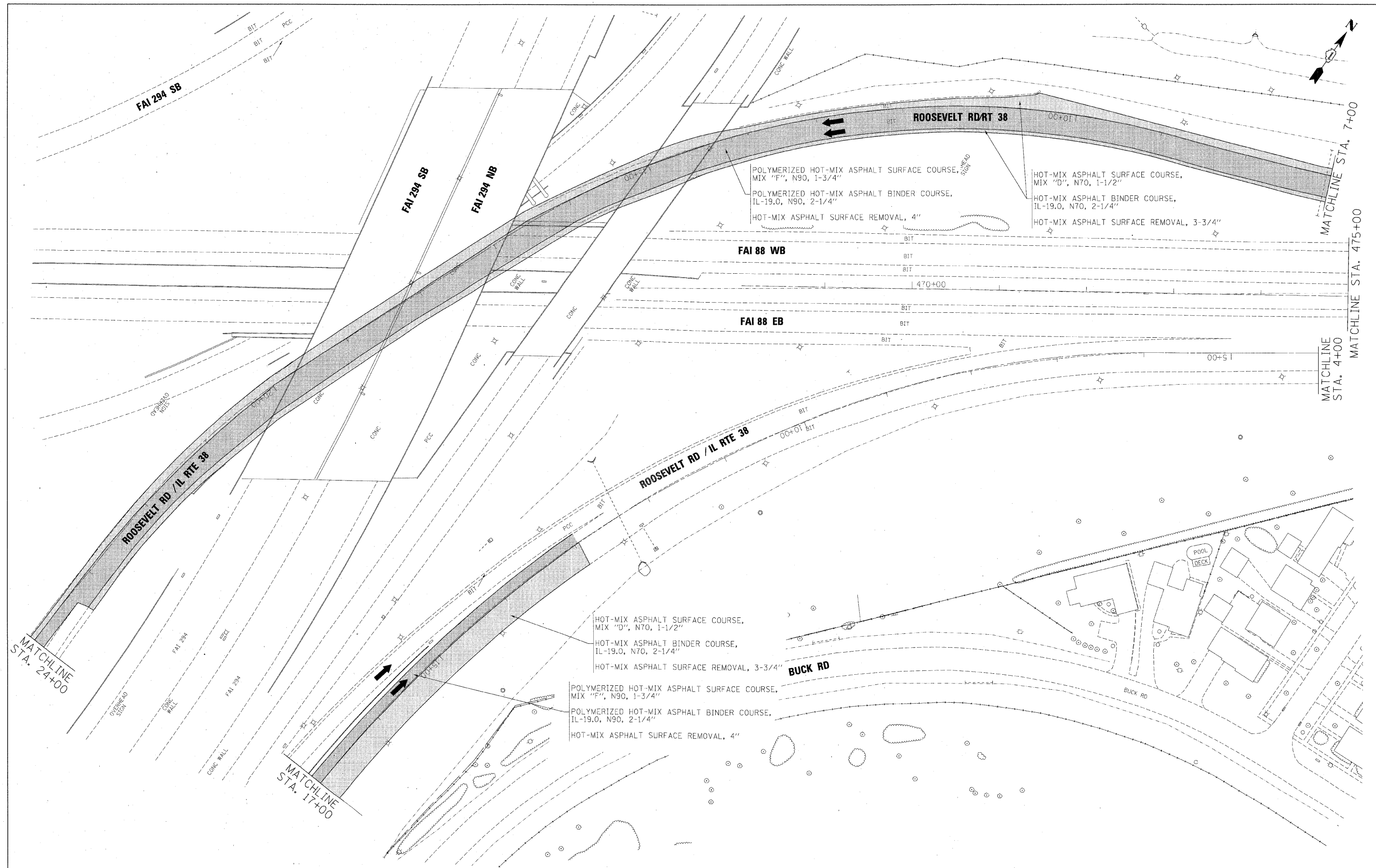
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
ROOSEVELT ROAD/IL RTE 38**

SCALE: 1"=50' SHEET NO. 15 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	62
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60C52	



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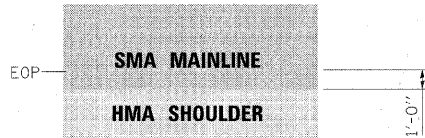


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
ROOSEVELT ROAD/IL RTE 38

SCALE: 1"=50' SHEET NO. 16 OF 17 SHEETS STA. TO STA.

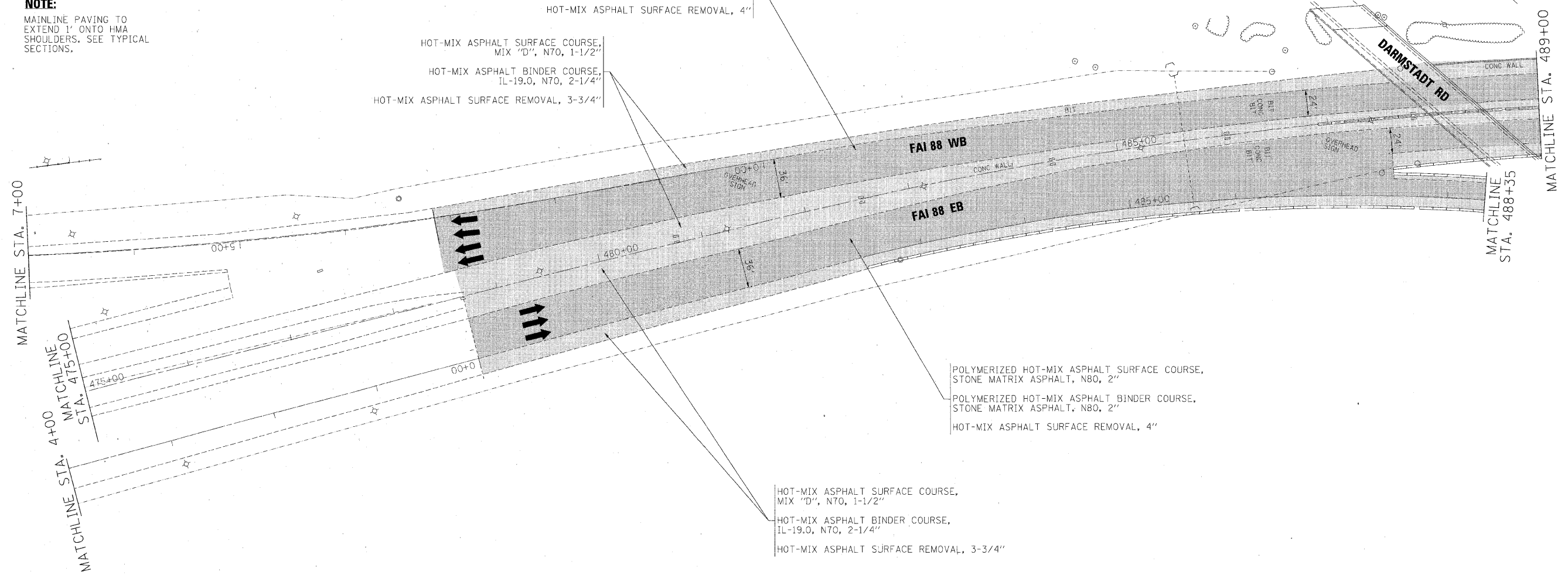
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	63
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G52	



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"



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"

FILE NAME =	DESIGNED - AJP	REVISED -
...prpin_abc_c2_138_plan_05.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 ROOSEVELT ROAD/IL RTE 38**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	64
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60052	

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-88

1. TWO LANES OF EASTBOUND I-88 TRAFFIC WILL BE ROUTED ONTO THE CD ROAD AS SHOWN ON THE PLANS. EASTBOUND I-88 TRAFFIC WILL NOT BE ALLOWED TO ENTER MAINLINE I-290 UNTIL THE CD ROAD ENTRANCE MERGES WITH I-290.

EB I-290

1. FROM THE WESTERN PROJECT LIMITS, TRAFFIC WILL BE REDUCED TO TWO LANES EASTBOUND AND SHIFTED TO THE INSIDE SHOULDER. THE LANE CONFIGURATION AND ADVANCE SIGNAGE REQUIRED WEST OF THE I-290 BRIDGE OVER I-88 WILL BE COORDINATED WITH CONTRACT 60157.
2. TRAFFIC WILL BE SHIFTED TO THE INSIDE SHOULDER FROM THE I-290 BRIDGE OVER I-88 TO EAST OF THE I-290 BRIDGE OVER HILLSIDE DRIVE.
3. EAST OF HILLSIDE DRIVE, TRAFFIC WILL BE SHIFTED FROM THE INSIDE SHOULDER TO THE EXISTING INSIDE AND MIDDLE LANES. THE OUTSIDE LANE WILL REMAIN CLOSED TO TRAFFIC.
4. TRAFFIC WILL BE SHIFTED TO THE INSIDE SHOULDER AS IT APPROACHES THE ADDISON CREEK BRIDGE. EAST OF THE ADDISON CREEK BRIDGE, TRAFFIC WILL BE SHIFTED BACK TO THE EXISTING MIDDLE AND INSIDE LANES. THE OUTSIDE LANE WILL BE CLOSED. THE LANE CONFIGURATION AT THE EAST END OF THE PROJECT SHALL BE COORDINATED WITH CONTRACT 60K10.
5. THE COLLECTOR-DISTRIBUTOR ROAD FROM I-88 THROUGH MANNHEIM ROAD WILL REMAIN OPEN WITH TRAFFIC IN THE EXISTING CONFIGURATION. WORK ON THE C-D ROAD BRIDGES SHALL BE PERFORMED WITH NIGHTTIME OR WEEKEND CLOSURES.

WB I-290

1. FROM THE EASTERN PROJECT LIMITS, TRAFFIC WILL BE REDUCED TO TWO WESTBOUND LANES. THE OUTSIDE LANE WILL BE CLOSED. ALL ENTRANCE AND EXIT RAMPS MUST REMAIN OPEN. THE LANE CONFIGURATION AND ADVANCE SIGNAGE REQUIRED EAST OF THE PROJECT LIMIT WILL BE COORDINATED WITH CONTRACT 60K10.
2. EAST OF THE ADDISON CREEK BRIDGE, TRAFFIC WILL BE SHIFTED TO THE INSIDE SHOULDER. WEST OF THE BRIDGE, BOTH LANES WILL BE SHIFTED TO THE EXISTING MIDDLE AND INSIDE LANES, WITH THE OUTSIDE LANE REMAINING CLOSED.
3. EAST OF THE HILLSIDE DRIVE BRIDGE, TWO LANES OF TRAFFIC SHIFT TO THE INSIDE SHOULDER THROUGH THE WOLF ROAD BRIDGE.

CONSTRUCTION

WORK ON CONTRACT PAY ITEMS WHERE POSSIBLE BY UTILIZING LANE CLOSURES IMPLEMENTED IN THE STAGE 1 MAINTENANCE OF TRAFFIC PLANS. WORK OUTSIDE OF THE PERMANENT LANE CLOSURES MUST BE ACCOMPLISHED DURING THE ALLOWABLE HOURS FOR TEMPORARY LANE CLOSURES PER THE SPECIAL PROVISIONS.

I-290 EB OVER I-88 (SN 016-0085)

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

I-290 OVER WOLF RD. (SN 016-0086)

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

I-290 OVER HILLSIDE DR. (SN 016-0986)

1. REPAIR BRIDGE DECKS.
2. REPAIR APPROACH SLABS.
3. REPAIR ABUTMENTS WITH FORMED CONCRETE REPAIR.
4. REPLACE PREFORMED JOINT SEALS WITH SILICONE JOINT SEALS.
5. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
6. APPLY CONCRETE SEALER TO BRIDGE DECK, APPROACH SLABS AND PARAPETS.

I-290 EB C-D RD. OVER WOLF RD. (SN 016-2758) AND I-290 EB C-D RD. OVER HILLSIDE DR. (SN 016-2759)

APPLY CONCRETE SEALER TO BRIDGE DECK, APPROACH SLABS AND PARAPETS.

I-290 OVER ADDISON CREEK (SN 016-0088)

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

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-88

1. TWO LANES OF EASTBOUND I-88 TRAFFIC WILL BE ROUTED ONTO THE CD ROAD AS SHOWN ON THE PLANS. EASTBOUND I-88 TRAFFIC WILL NOT BE ALLOWED TO ENTER MAINLINE I-290 UNTIL THE CD ROAD ENTRANCE MERGES WITH I-290.

EB I-290

1. FROM THE WESTERN PROJECT LIMITS, TRAFFIC WILL BE REDUCED TO TWO LANES EASTBOUND AND SHIFTED TO THE OUTSIDE SHOULDER AT THE WEST END OF THE PROJECT. THE LANE CONFIGURATION AND ADVANCE SIGNAGE REQUIRED WEST OF THE I-290 BRIDGE OVER I-88 WILL BE COORDINATED WITH CONTRACT 60157.
2. TRAFFIC WILL BE SHIFTED TO THE OUTSIDE SHOULDER FROM THE I-290 BRIDGE OVER I-88 TO JUST EAST OF THE I-290 BRIDGE OVER HILLSIDE DRIVE.
3. EAST OF HILLSIDE DRIVE, TRAFFIC WILL BE SHIFTED FROM THE OUTSIDE SHOULDER TO THE EXISTING OUTSIDE AND MIDDLE LANES. THE INSIDE LANE WILL REMAIN CLOSED TO TRAFFIC.
4. TRAFFIC WILL BE SHIFTED TO THE OUTSIDE SHOULDER AS IT APPROACHES THE ADDISON CREEK BRIDGE. EAST OF THE ADDISON CREEK BRIDGE, TRAFFIC WILL BE SHIFTED BACK TO THE EXISTING OUTSIDE AND MIDDLE LANES. THE INSIDE LANE WILL REMAIN CLOSED.
5. THE COLLECTOR-DISTRIBUTOR ROAD FROM I-88 THROUGH MANNHEIM ROAD WILL REMAIN OPEN WITH TRAFFIC IN THE EXISTING CONFIGURATION. WORK ON THE C-D ROAD BRIDGES SHALL BE PERFORMED WITH NIGHTTIME OR WEEKEND CLOSURES.

WB I-290

1. FROM THE EASTERN PROJECT LIMITS, TRAFFIC WILL BE REDUCED TO TWO WESTBOUND LANES. THE INSIDE LANE WILL BE CLOSED. ALL ENTRANCE AND EXIT RAMPS MUST REMAIN OPEN. THE LANE CONFIGURATION AND ADVANCE SIGNAGE REQUIRED EAST OF THE PROJECT LIMIT WILL BE COORDINATED WITH CONTRACT 60K10.
2. TWO LANES WILL BE MAINTAINED WESTBOUND FROM DES PLAINES AVENUE TO THE I-88 INTERCHANGE WITH THE TRAFFIC BEING SHIFTED TO THE OUTSIDE SHOULDERS AT THE BRIDGES. THE INSIDE LANE WILL REMAIN CLOSED.

CONSTRUCTION

WORK ON CONTRACT PAY ITEMS WHERE POSSIBLE BY UTILIZING LANE CLOSURES IMPLEMENTED IN THE STAGE 2 MAINTENANCE OF TRAFFIC PLANS. WORK OUTSIDE OF THE PERMANENT LANE CLOSURES MUST BE ACCOMPLISHED DURING THE ALLOWABLE HOURS FOR TEMPORARY LANE CLOSURES PER THE SPECIAL PROVISIONS.

I-290 EB OVER I-88 (SN 016-0085)

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

I-290 OVER WOLF RD. (SN 016-0086)

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

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGING			F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...prpln_ABC.C2_gennotes*no.tdgn	DRAWN - TMB	REVISED -						290	(3435, ETC., 3838)RS-5	COOK	264
USER NAME = tblank	CHECKED - RMT	REVISED -			SCALE: N.T.S. SHEET NO. 1 OF 62 SHEETS STA. TO STA.			CONTRACT NO. 60C52			
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT				

STAGE 2

I-290 OVER HILLSIDE DR. (SN 016-0986)

1. REPAIR BRIDGE DECKS.
2. REPAIR APPROACH SLABS.
3. REPAIR ABUTMENTS WITH FORMED CONCRETE REPAIR.
4. REPLACE PREFORMED JOINT SEALS WITH SILICONE JOINT SEALS.
5. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
6. APPLY CONCRETE SEALER TO BRIDGE DECK, PARAPETS, APPROACH SLABS, ABUTMENT SEATS AND BACKWALLS.

I-290 EB C-D RD. OVER WOLF RD. (SN 016-2758) AND I-290 EB C-D RD. OVER HILLSIDE DR. (SN 016-2759)

APPLY CONCRETE SEALER TO BRIDGE DECK, PARAPETS AND APPROACH SLABS.

I-290 OVER ADDISON CREEK (SN 016-0088)

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

STAGE 3

INSTALL TEMPORARY SIGNING, STRIPING AND OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE STAGE 3 TRAFFIC CONFIGURATION, INCLUDING THE NECESSARY MODIFICATIONS TO THE EXISTING GROUND MOUNTED AND OVERHEAD SIGNS.

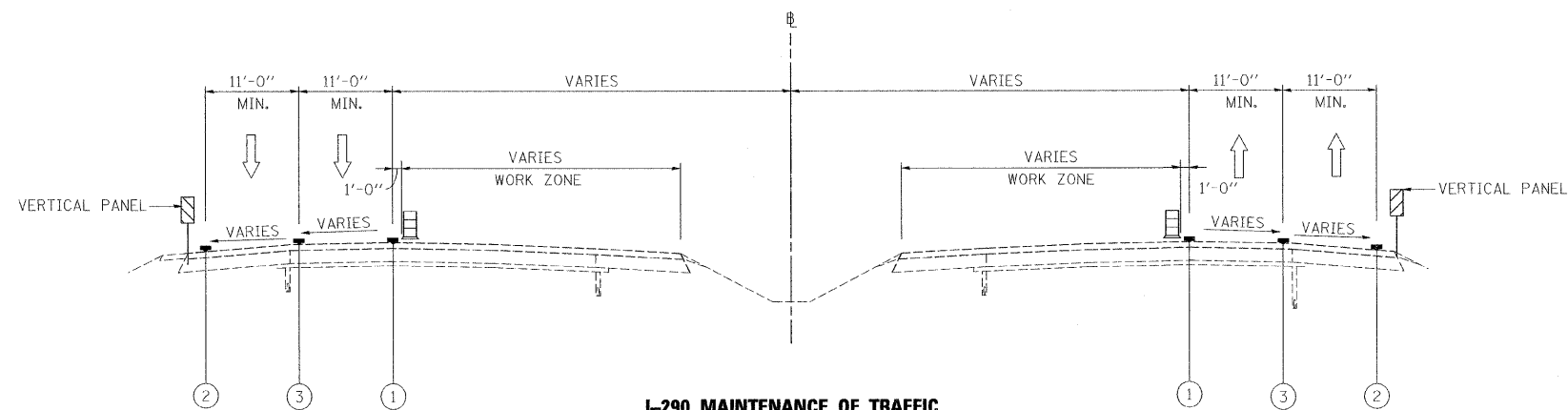
TRAFFIC

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

CONSTRUCTION

SEE MAINTENANCE OF TRAFFIC TYPICAL SECTIONS FOR PATCHING AND RESURFACING CONSTRUCTION ITEMS, INCLUDING THE ROOSEVELT ROAD FEEDER RAMPS. 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.
...\\prpln\ABC\C2_gennotes-mct.02.dgn	DRAWN - TMB	REVISED -			290	(3435, ETC., 3838)RS-5	COOK	264	66				
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PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -			SCALE: N.T.S.	SHEET NO. 2 OF 62 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				



- LEGEND**
- ① WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (YELLOW)
 - ② WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 4 INCH (WHITE)
 - ③ WET REFLECTIVE TEMPORARY TAPE, - TYPE III, 5 INCH (WHITE)
 - ▣ TYPE II BARRIER, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
SHOULDER STAGING OPTION
 (OUTSIDE SHOULDER STAGING SHOWN)
 (INSIDE SHOULDER STAGING SIMILAR - OPPOSITE HAND)

POSSIBLE 10' MINIMUM SHOULDER LOCATIONS (TO BE FIELD VERIFIED)

LOCATIONS:	EASTBOUND		WESTBOUND	
	INSIDE SHOULDER	OUTSIDE SHOULDER	INSIDE SHOULDER	OUTSIDE SHOULDER
488+85/490+85 to 507+00	X	X	X	X
507+00 to 510+00	X	X	X	
510+00 to 523+00	X	X	X	X
523+00 to 526+00	X	X	X	
526+00 to 577+00	X	X	X	X
577+00 to 582+00	X	X	X	
582+00 to 608+00	X	X	X	X
608+00 to 668+00	X	X		X

CONTRACTOR OPTION FOR STAGING ON SHOULDERS

AS AN ALTERNATIVE TO THE MAINTENANCE OF TRAFFIC SHOWN IN THE PLANS, THE CONTRACTOR HAS THE OPTION TO SHIFT TRAFFIC ONTO THE EXISTING SHOULDERS. ALL TRAFFIC LANES SHALL BE AT LEAST 11 FEET WIDE.

ALL PATCHING, DRAINAGE STRUCTURE FRAME AND GRATE REPAIRS AND/OR ADJUSTMENTS, OR TEMPORARY PAVEMENT REQUIRED IN PREPARATION TO SHIFT TRAFFIC WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS. ALL ADDITIONAL TRAFFIC CONTROL DEVICES, SIGNING (TEMPORARY AND EXISTING OVERHEAD) AND INCIDENTAL COSTS ASSOCIATED WITH IMPLEMENTING THE SHOULDER STAGING OPTION SHALL BE AT THE CONTRACTOR'S EXPENSE.

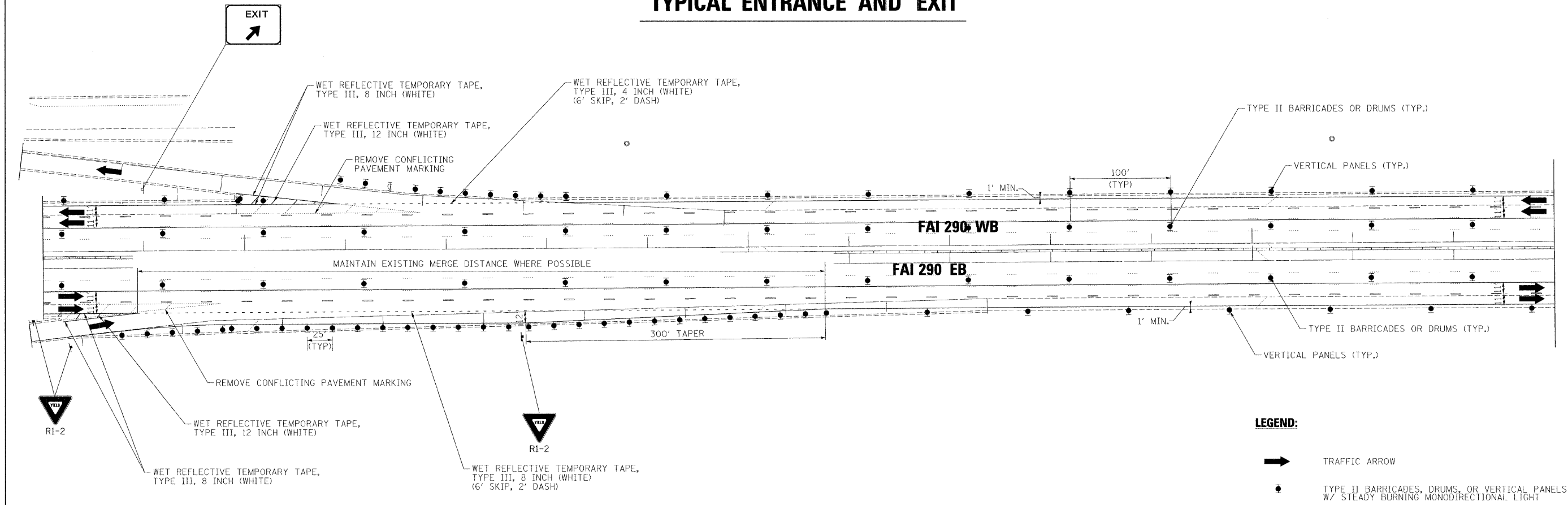
THE CONTRACTOR WILL BE REQUIRED TO SUBMIT PLANS OF THE SHOULDER STAGING OPTION TO THE ENGINEER FOR APPROVAL AT LEAST 2 WEEKS PRIOR TO SHIFTING TRAFFIC INTO THE STAGED CONFIGURATION. THE PLANS SHALL INCLUDE LANE CONFIGURATIONS, WORK ZONES, TRAFFIC CONTROL DEVICES, SIGNING (TEMPORARY AND EXISTING OVERHEAD) AND TEMPORARY PAVEMENT MARKINGS.

THE CONTRACTOR SHALL PROVIDE AN ACCIDENT INVESTIGATION SITE (SEE DETAIL) OR SHIFT TRAFFIC OFF OF THE EXISTING SHOULDER TO PROVIDE VEHICLE REFUGE ON SHOULDERS FOR A MINIMUM LENGTH OF 600'. SHOULDERS MUST BE A MINIMUM OF 10' WIDE. A MINIMUM OF ONE ACCIDENT INVESTIGATION SITE OR SHOULDER REFUGE AREA SHALL BE IN PLACE AT ALL TIMES BOTH EASTBOUND AND WESTBOUND. PROPOSED LOCATIONS SHALL BE APPROVED BY THE ENGINEER AND MUST BE SUBMITTED 3 DAYS PRIOR TO RELOCATING THE ACCIDENT INVESTIGATION SITES. THE COST OF IMPLEMENTING AND RELOCATING ACCIDENT INVESTIGATION SITES SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

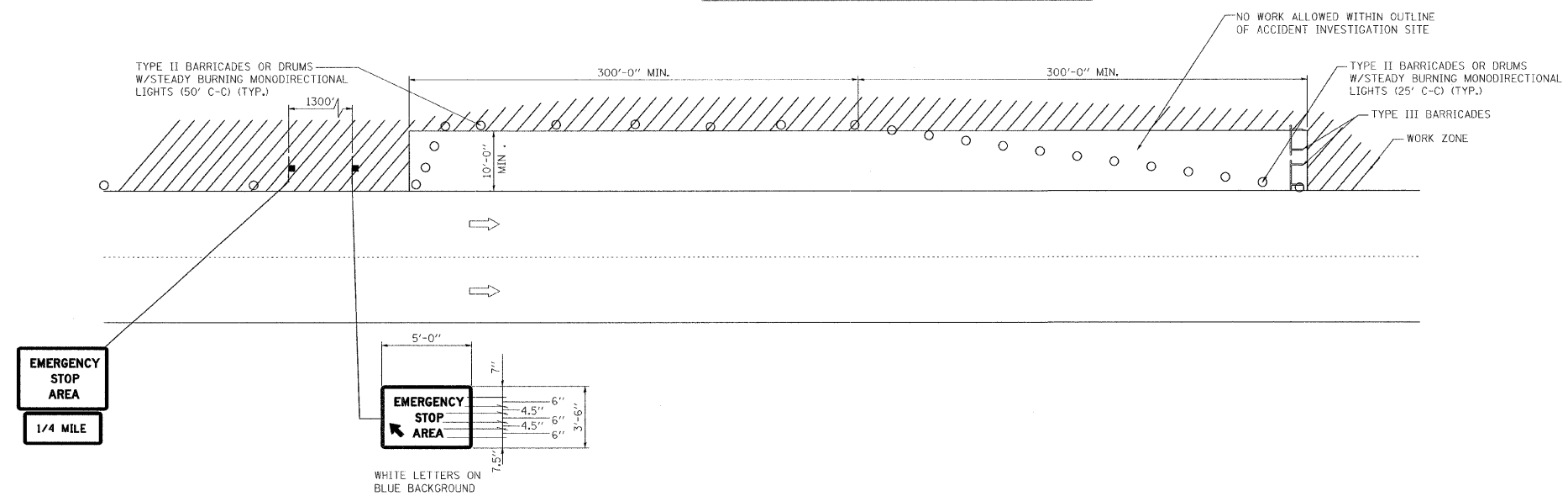
THE CONTRACTOR SHALL NOT EXPOSE OPEN CUT PAVEMENT SUCH AS FULL AND PARTIAL DEPTH PATCHING ACROSS THE ENTIRE WORK ZONE AT ONE TIME. IF PATCHING OPERATIONS ARE PERFORMED, THE CONTRACTOR SHALL PROVIDE A CONTINUOUS 10-FOOT TRAVEL LANE FOR PASSAGE OF EMERGENCY VEHICLES IF NECESSARY. ALL PATCHES GREATER THAN 12 INCHES DEEP AND WITHIN 3 FEET OF THE TRAVEL LANE SHALL BE PAVED WITHIN 48 HOURS OR PROTECTED BY TEMPORARY CONCRETE BARRIER. ALL OTHER PATCHES SHALL BE PROTECTED BY TYPE II DRUMS AT 100' SPACING.

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC SHOULDER STAGING OPTION	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -				SCALE: N.T.S.	SHEET NO. 3 OF 62 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

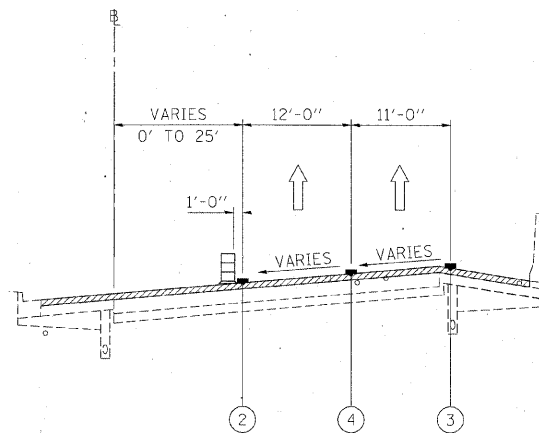
TYPICAL ENTRANCE AND EXIT



ACCIDENT INVESTIGATION SITE

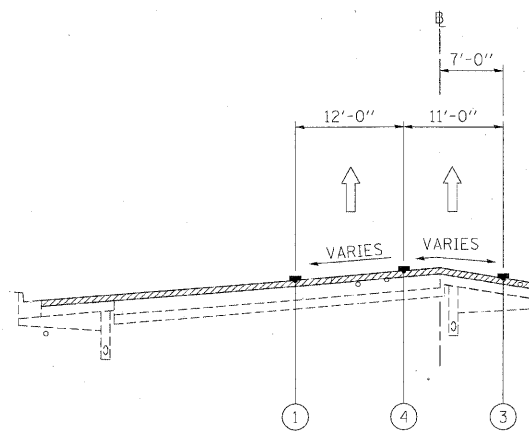


FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC SHOULDER STAGING OPTION			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	DRAWN - TMB	REVISED -			290	(3435, ETC., 3838)RS-5	COOK	264	68				
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PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -			FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT					



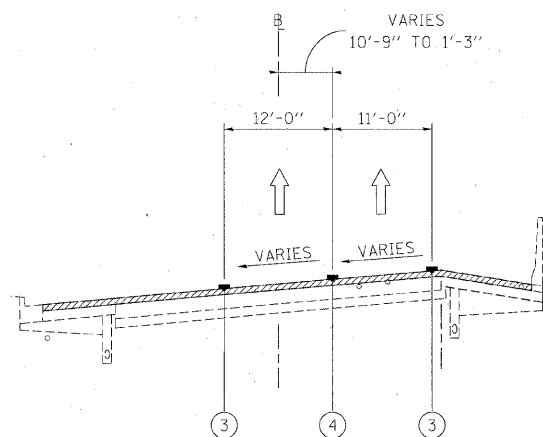
**I-88 MAINTENANCE OF TRAFFIC
TYPICAL SECTION**

STAGE 1 & 2
STA 472+17 TO STA 484+16 (EB I-88)



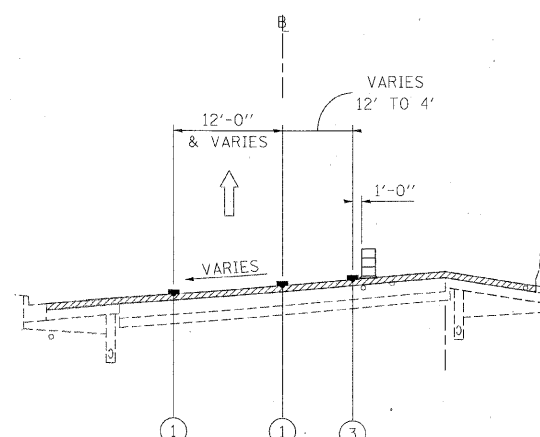
**C-D RAMP MAINTENANCE OF TRAFFIC
TYPICAL SECTION**

STAGE 1 & 2
STA 484+13 TO STA 506+82



**C-D RAMP MAINTENANCE OF TRAFFIC
TYPICAL SECTION**

STAGE 1 & 2
STA 506+82 TO STA 508+98 (EB C-D RAMP)
* TRAFFIC IS MAINTAINED ON EXISTING C-D RAMP CONFIGURATION
FROM STA 508+98 TO STA 571+29



**C-D RAMP MAINTENANCE OF TRAFFIC
TYPICAL SECTION**

STAGE 1 & 2
STA 571+29 TO STA 583+20 (EB C-D RAMP)

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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P-OT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

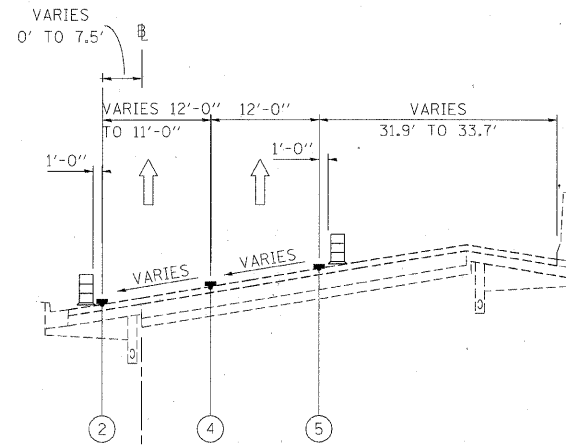
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

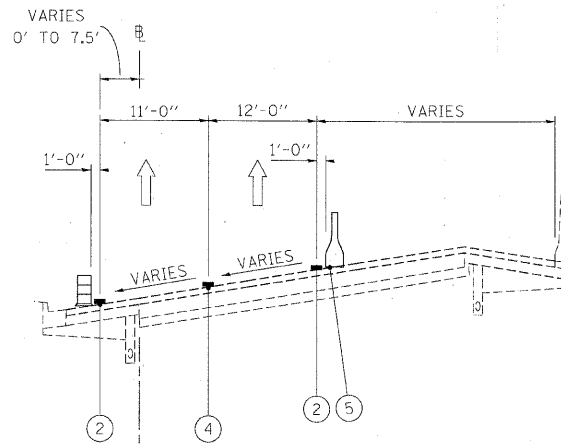
**MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 1 & 2**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	69
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	

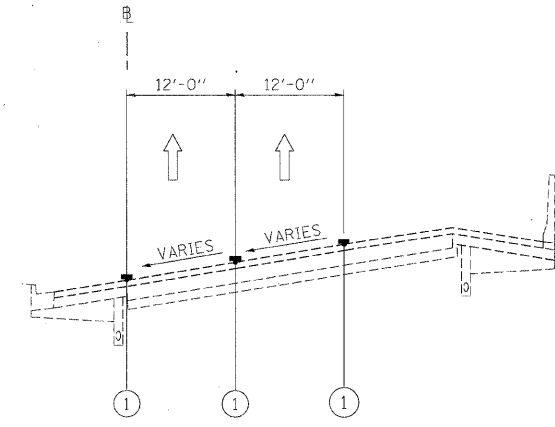


EASTBOUND
MAINTENANCE OF TRAFFIC
TYPICAL SECTION
 STAGE 1
 STA 484+51 TO STA 487+29

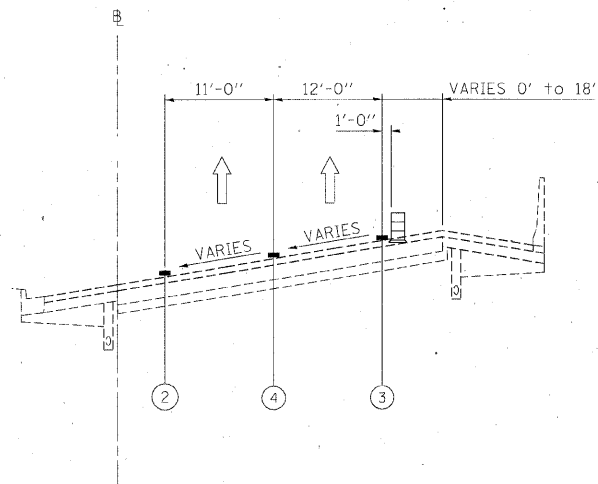


EASTBOUND
MAINTENANCE OF TRAFFIC
TYPICAL SECTION
 STAGE 1
 STA 487+29 TO STA 498+00

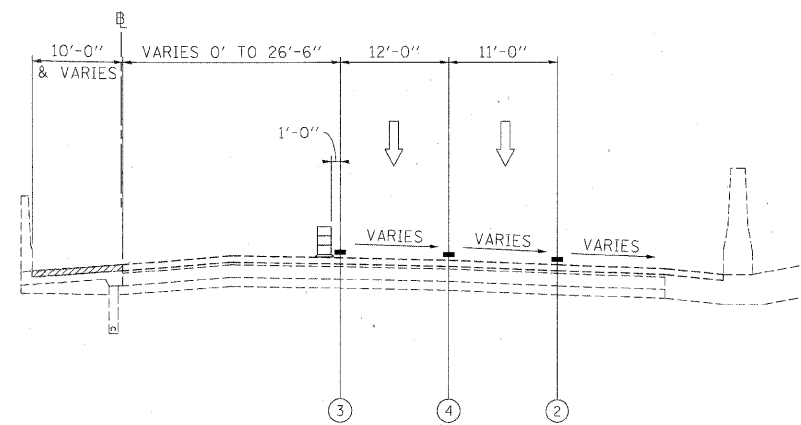
BRIDGE OMISSION STA 490+47 TO STA 494+41



EASTBOUND
MAINTENANCE OF TRAFFIC
TYPICAL SECTION
 STAGE 1
 STA 498+00 TO STA 501+88



EASTBOUND
MAINTENANCE OF TRAFFIC
TYPICAL SECTION
 STAGE 1
 STA 501+88 TO STA 507+22



WESTBOUND
MAINTENANCE OF TRAFFIC
TYPICAL SECTION
 STAGE 1
 STA 498+53 TO STA 506+83

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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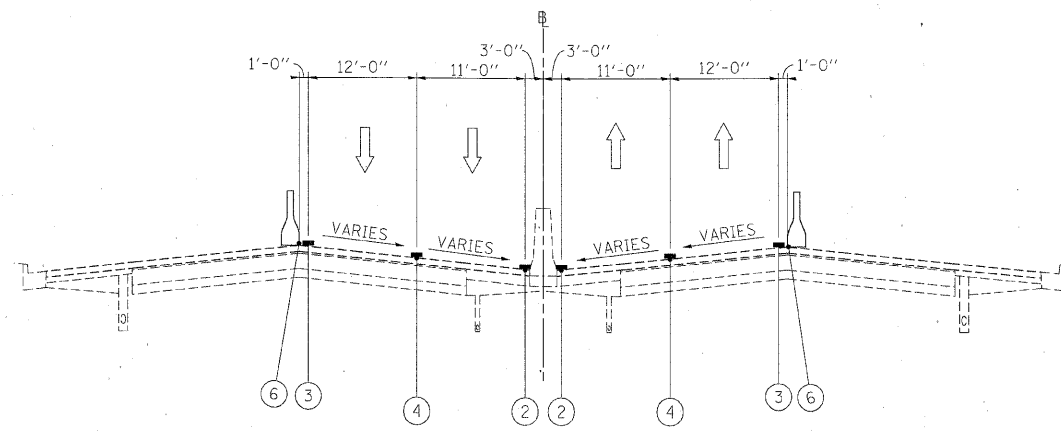
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 1

SCALE: SHEET NO. 6 OF 62 SHEETS STA. TO STA.

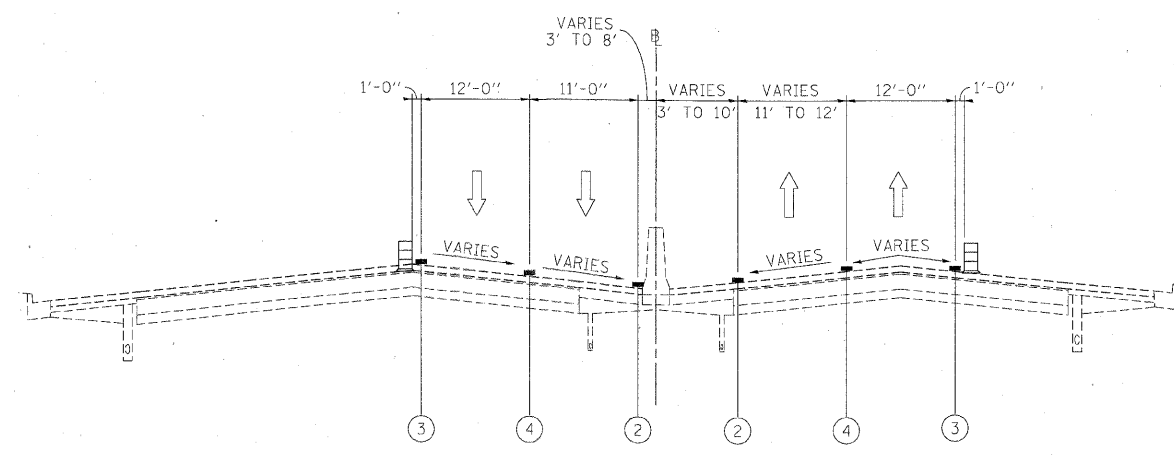
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	70
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60652	



WESTBOUND STA 506+83 TO STA 529+75
EASTBOUND STA 507+22 TO STA 529+40

**I-290 MAINTENANCE OF TRAFFIC
 TYPICAL SECTION
 STAGE 1**

BRIDGE OMISSION
 STA 506+97 TO STA 509+30
 STA 524+99 TO STA 525+90



WESTBOUND STA 529+75 TO STA 531+85
EASTBOUND STA 529+40 TO STA 533+00

**I-290 MAINTENANCE OF TRAFFIC
 TYPICAL SECTION
 STAGE 1**

- 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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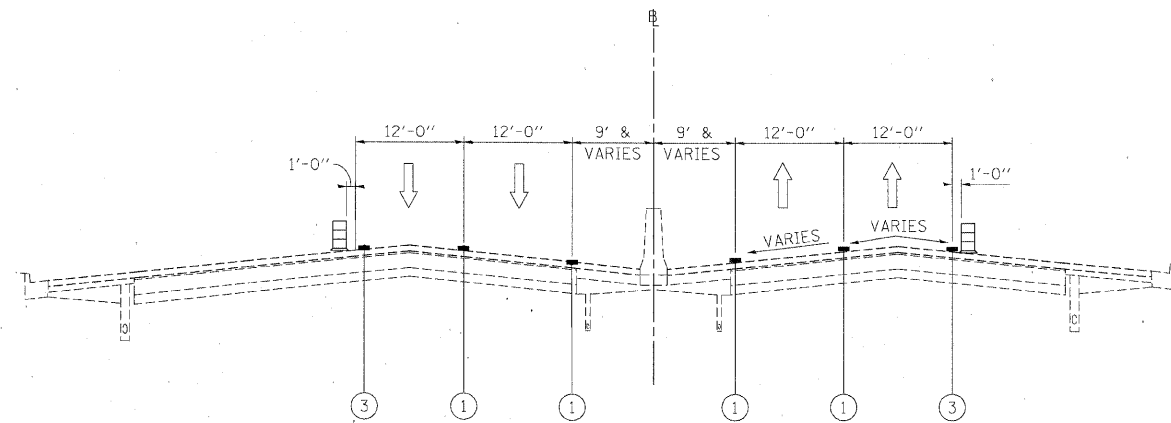
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 TYPICAL SECTION - STAGE 1**

SCALE: SHEET NO. 7 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	71
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	






WESTBOUND
STA 531+85 TO STA 589+95

EASTBOUND
STA 533+00 TO STA 576+72

I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 1

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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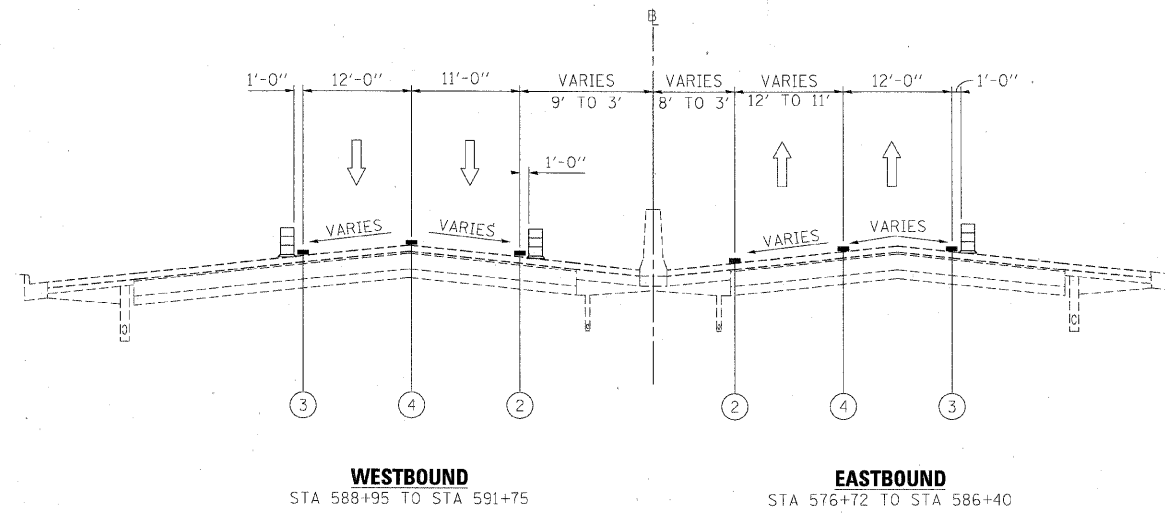
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DEPARTMENT OF TRANSPORTATION

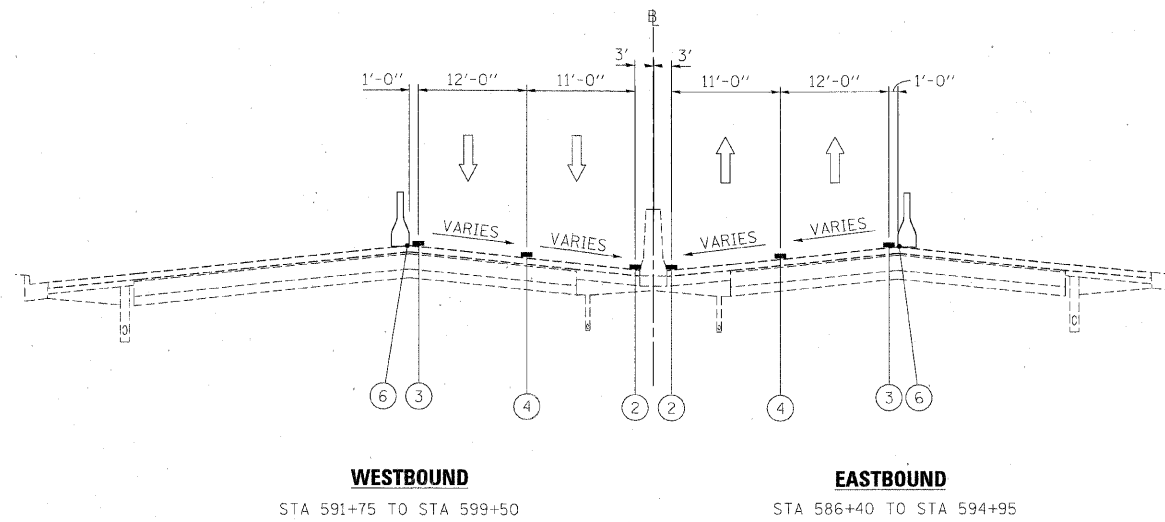
MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 1

SCALE: SHEET NO. 8 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	72
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60052	



**I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 1**



**I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 1**

BRIDGE OMISSION STA 593+27 TO STA 594+92

- 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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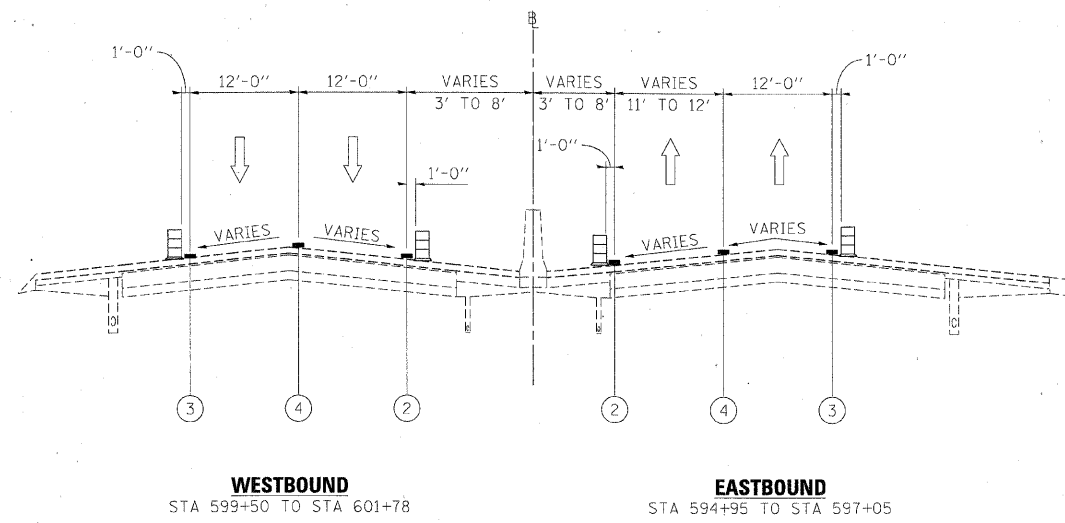
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DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 1**




SCALE: SHEET NO. 9 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	73
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60052	



**I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 1**

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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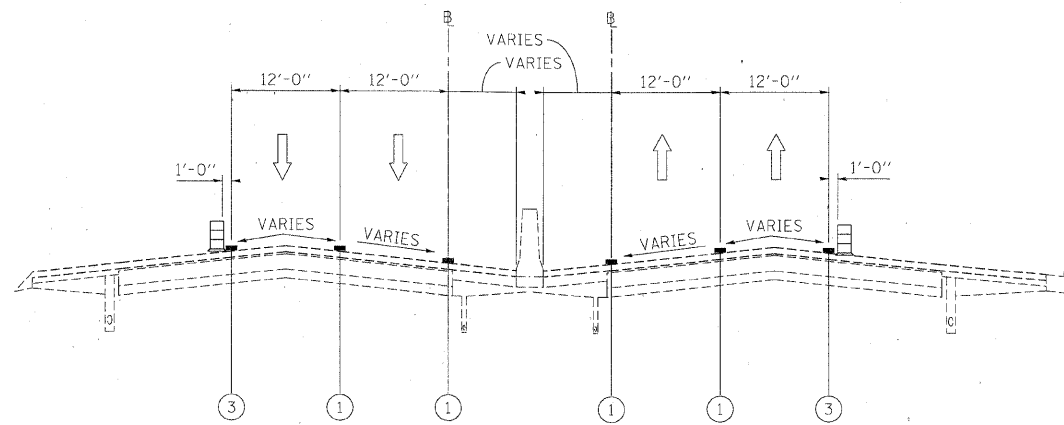
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DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 1**

SCALE: SHEET NO. 10 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	74
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G52	



WESTBOUND

EASTBOUND

STA 601+78 TO STA 668+00 (END OF CONTRACT) STA 597+05 TO STA 668+00 (END OF CONTRACT)

**I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 1**

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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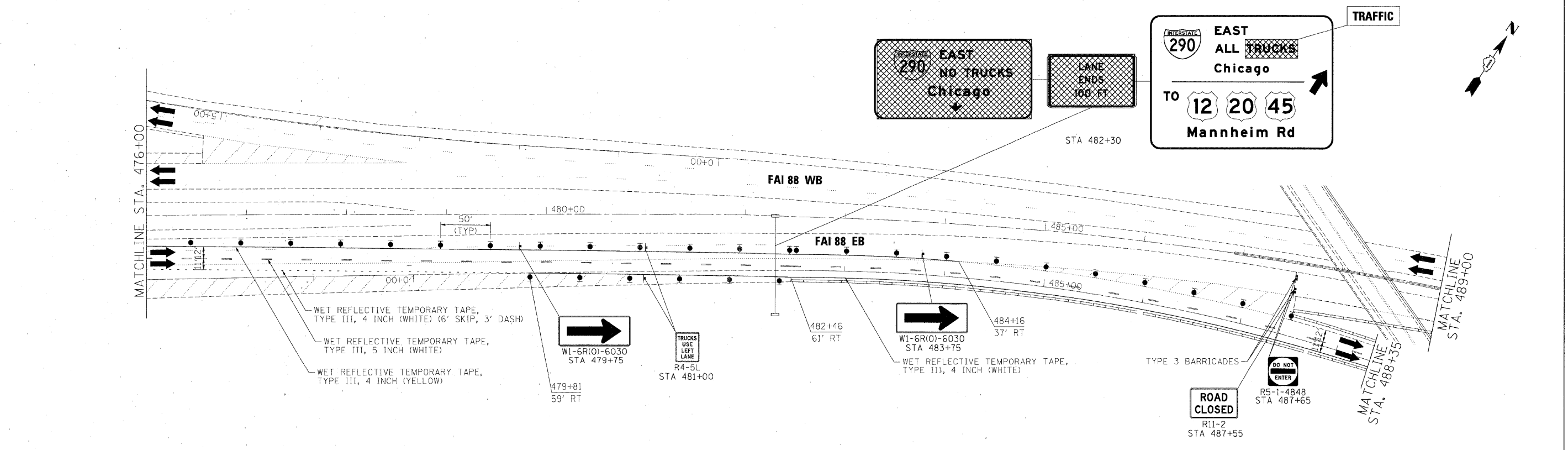
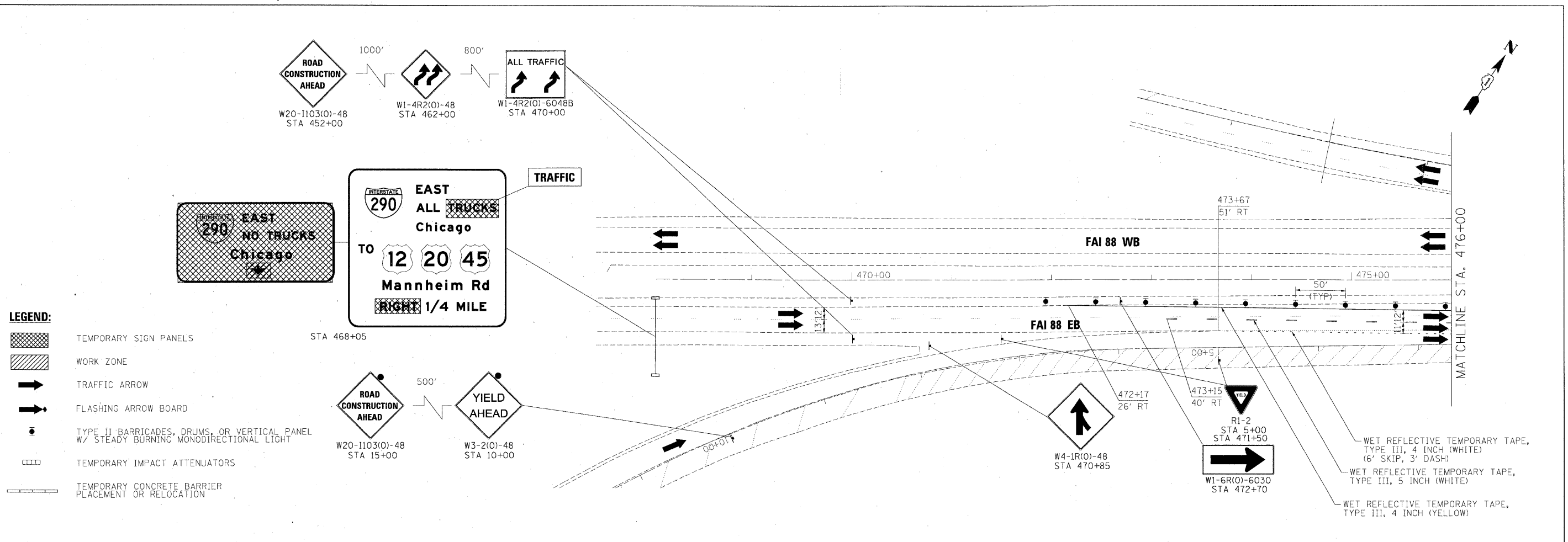
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 1**

SCALE: SHEET NO. 11 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	75
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60C52	



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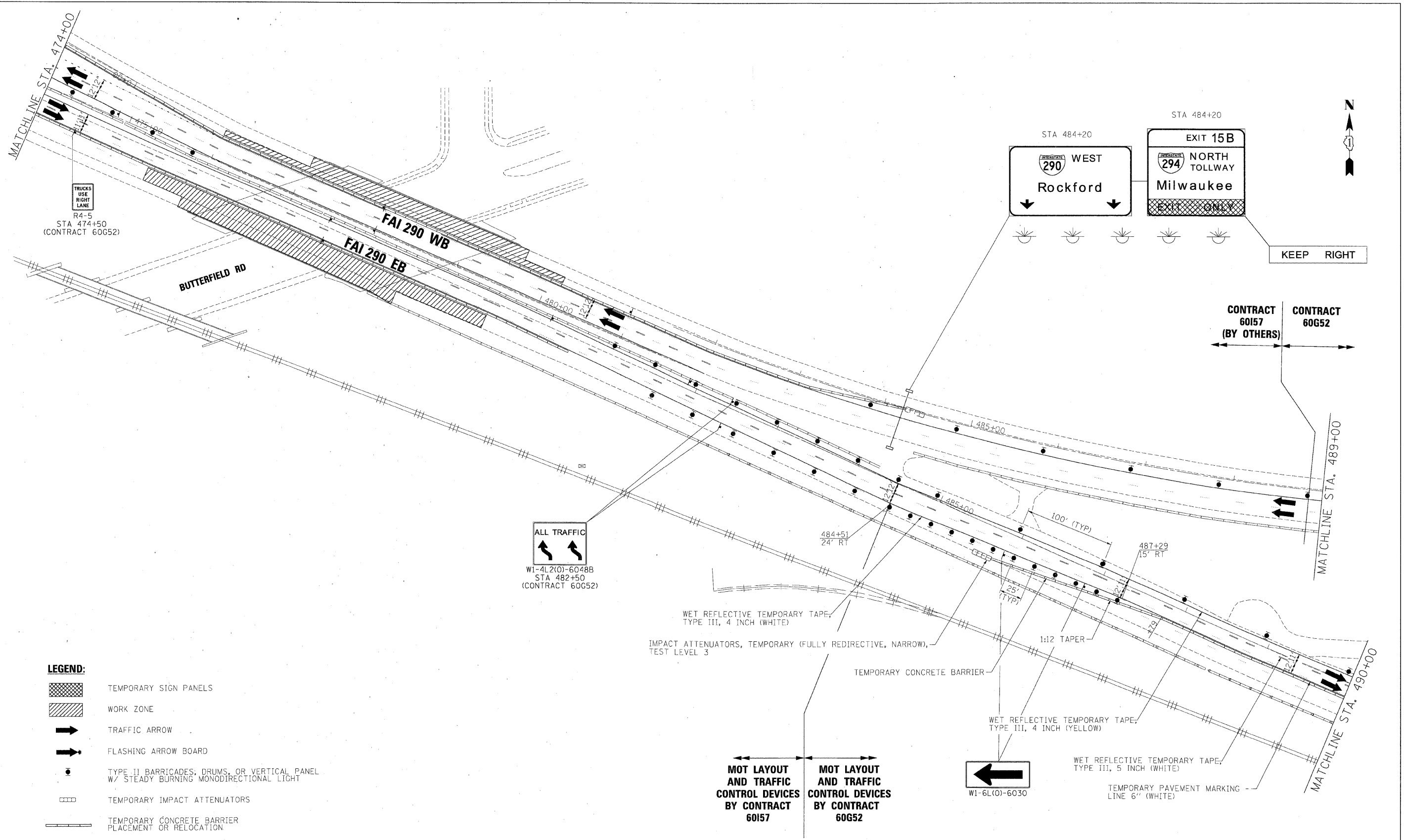
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1 & STAGE 2**

SCALE: 1"=50' SHEET NO. 12 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	76
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G52	



- 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

ALL TRAFFIC

 W1-4L2(O)-6048B
 STA 482+50
 (CONTRACT 60G52)

MOT LAYOUT AND TRAFFIC CONTROL DEVICES BY CONTRACT 60157

MOT LAYOUT AND TRAFFIC CONTROL DEVICES BY CONTRACT 60G52

W1-6L(O)-6030

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

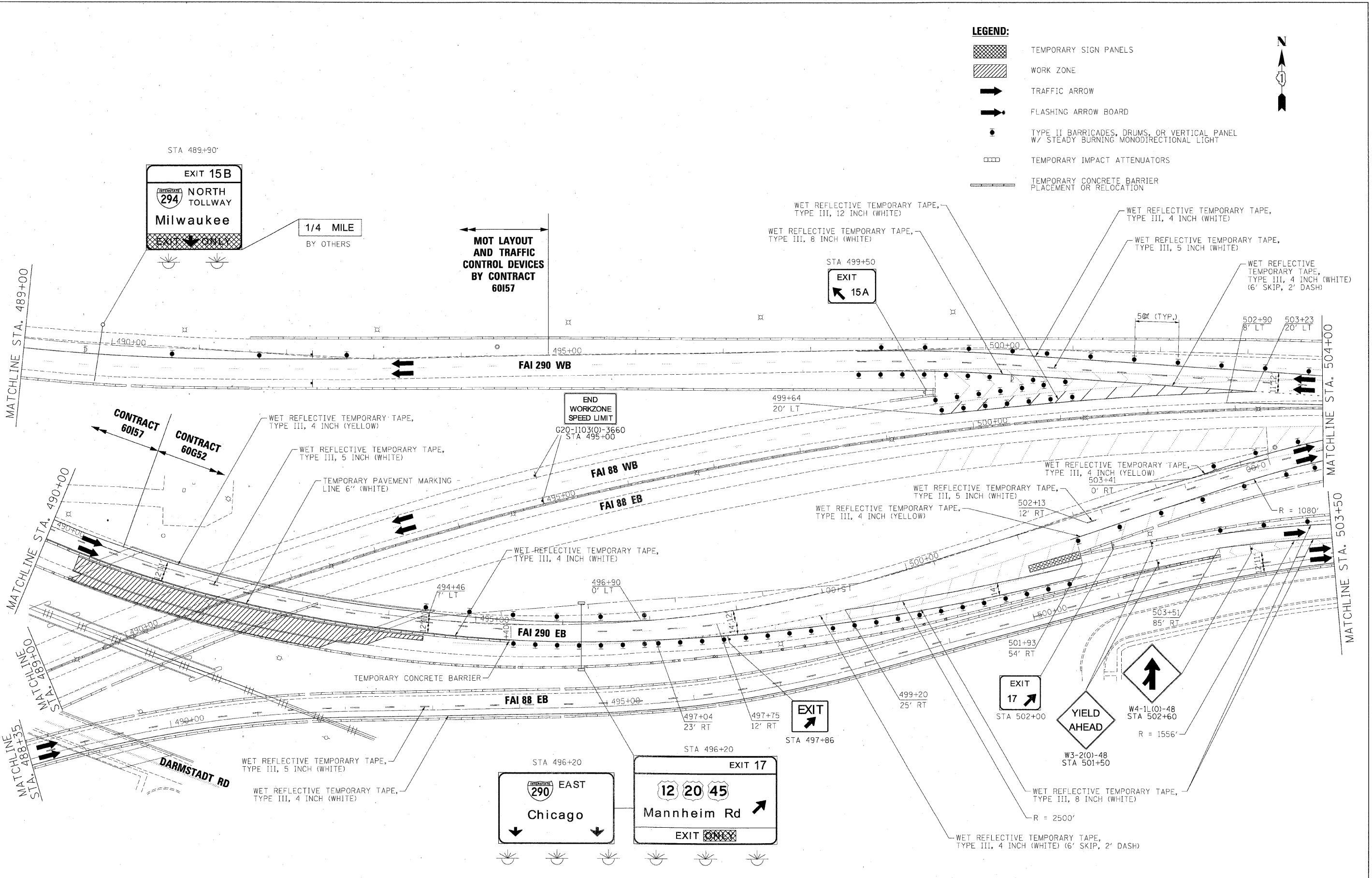
SCALE: 1"=50' SHEET NO. 13 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	77
CONTRACT NO. 60G52				
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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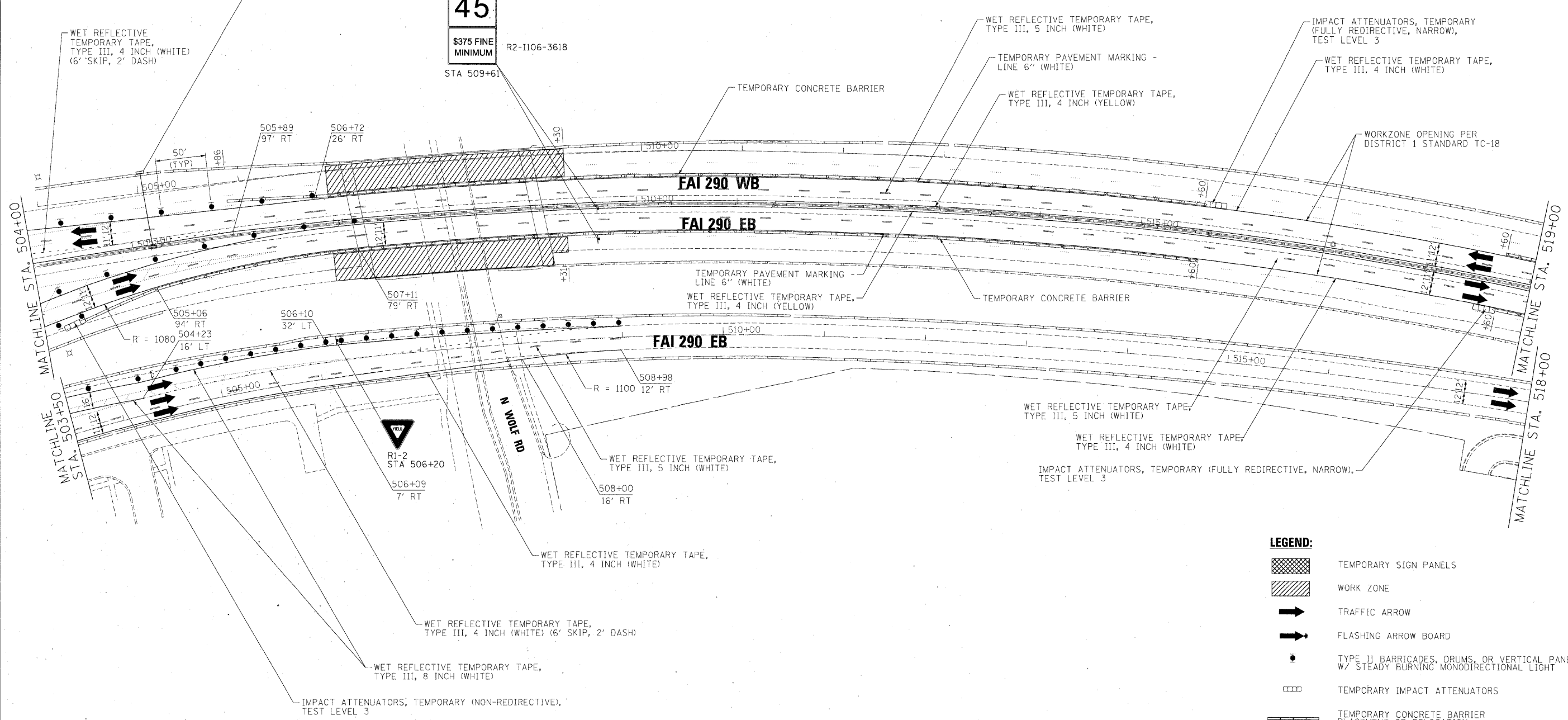
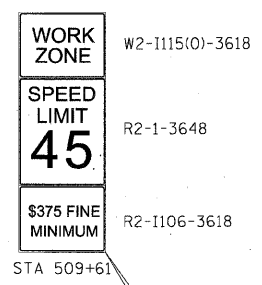
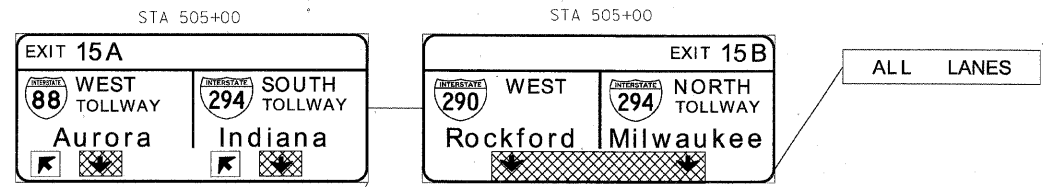
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 14 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	78
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	



- 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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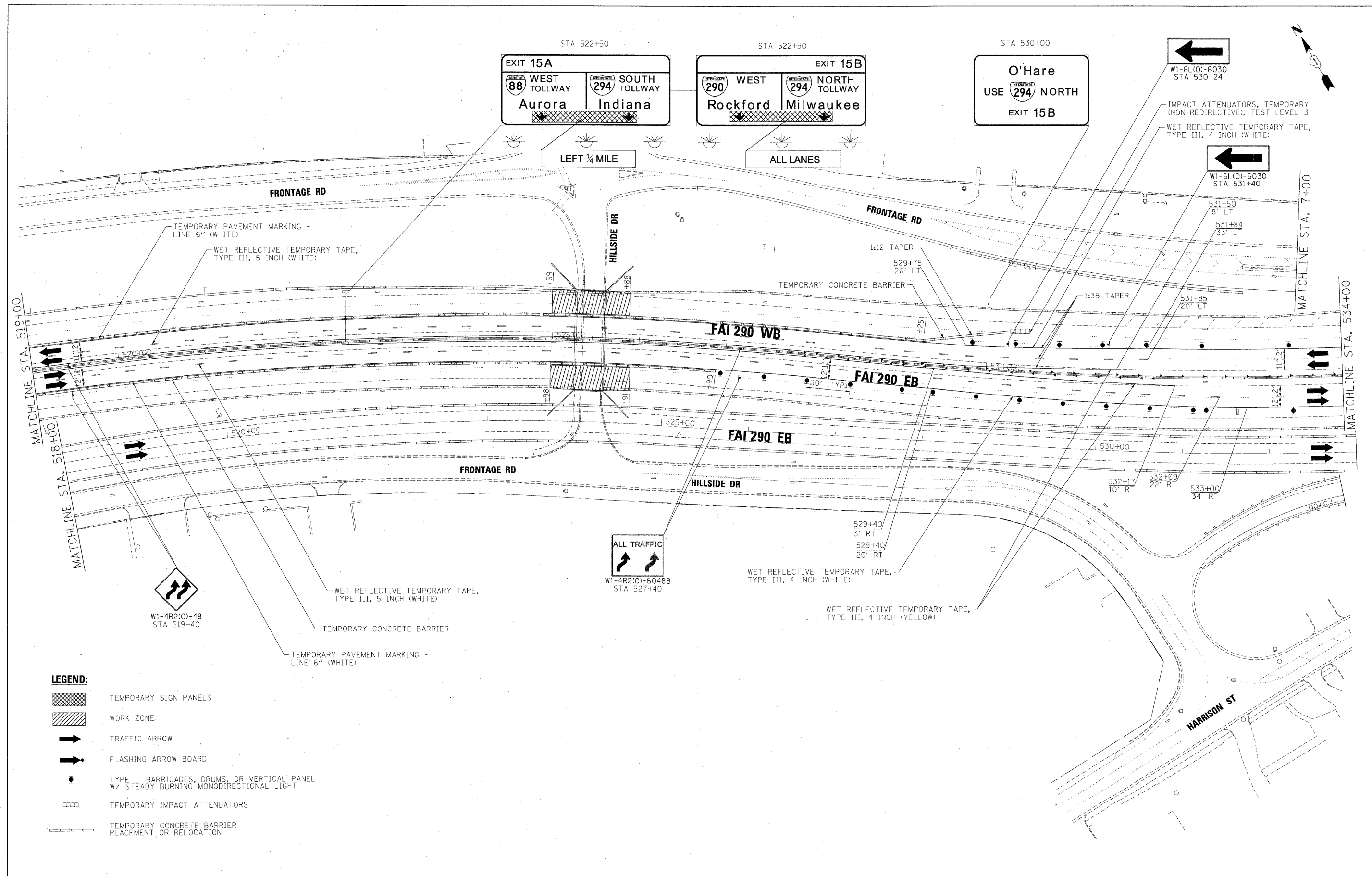
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 15 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838RS-5)	COOK	264	79
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G52	



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

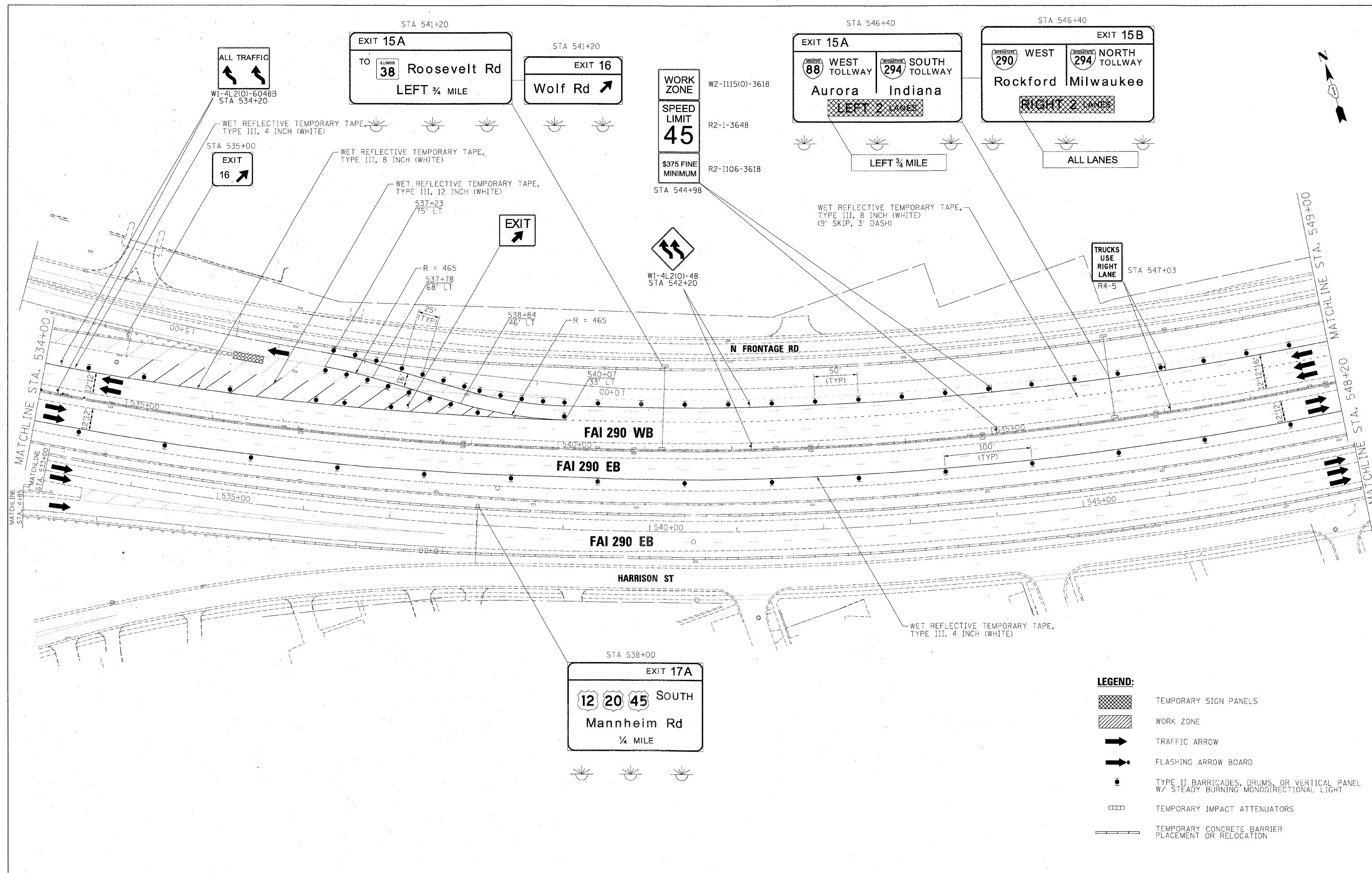
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN - STAGE 1	
SCALE: 1"=50'	SHEET NO. 16 OF 62 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	80
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60052	



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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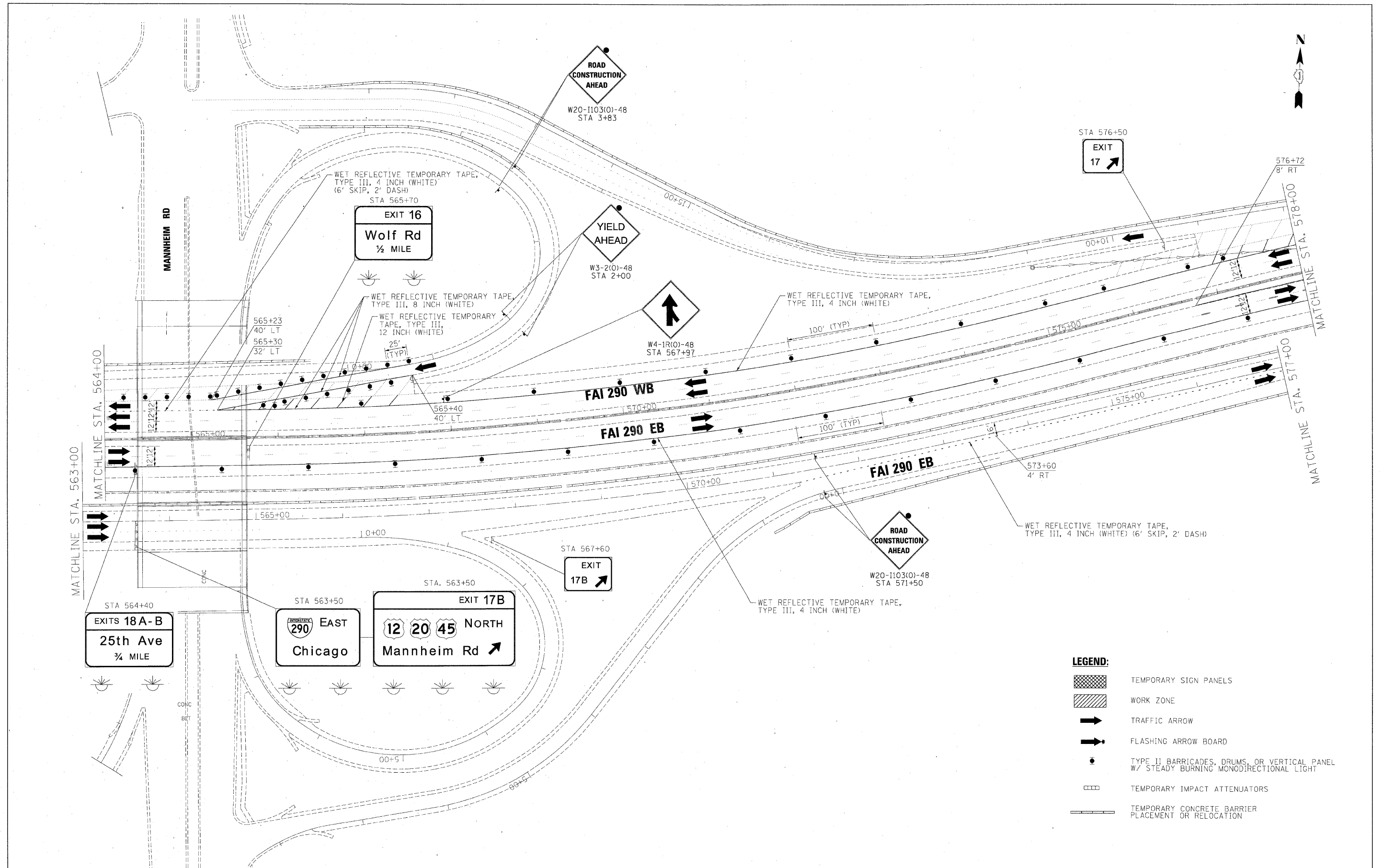
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 17 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3839)RS-5	COOK	264	81
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G52	



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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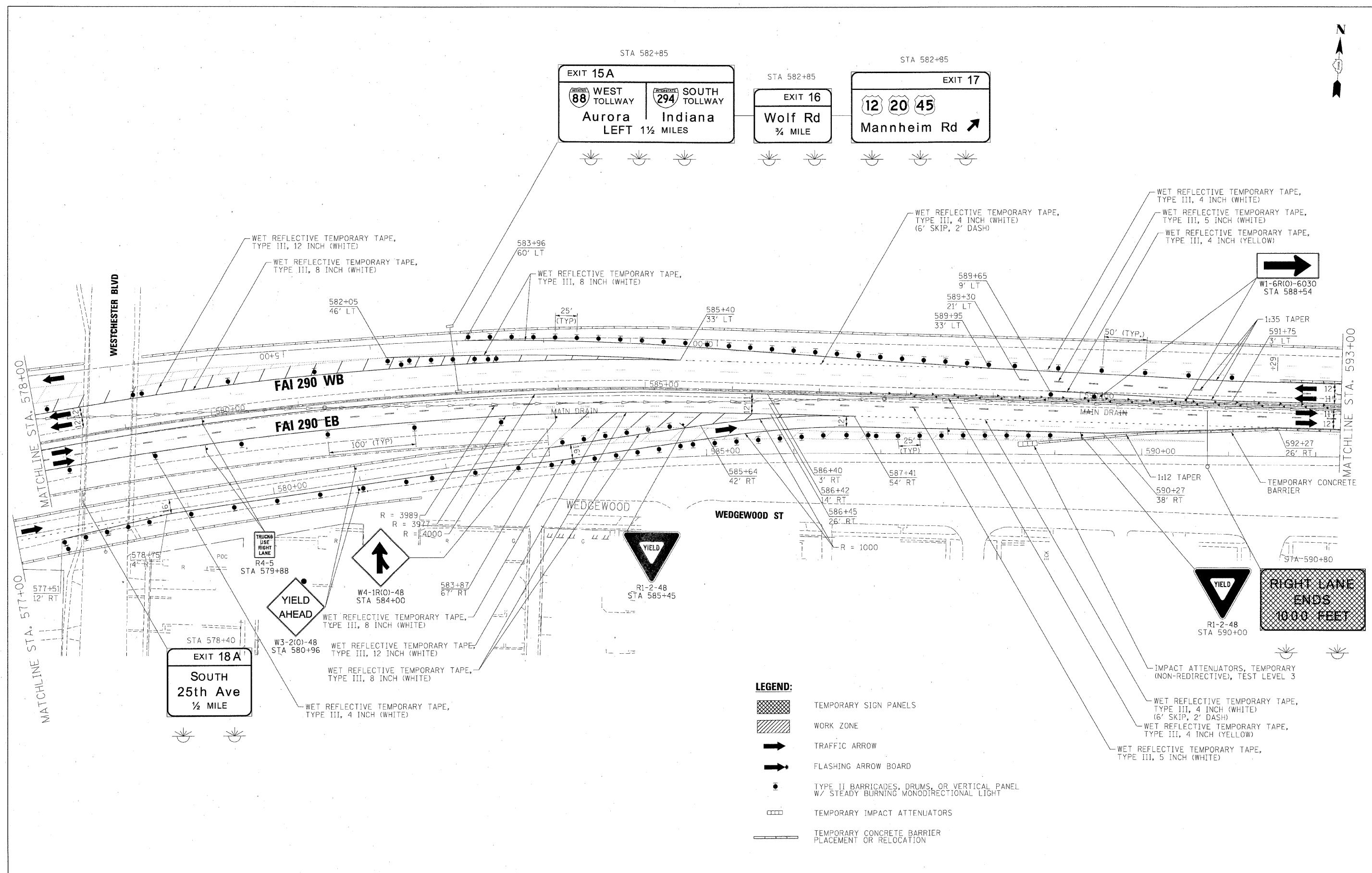


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 19 OF 62 SHEETS STA. TO STA.

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	83
CONTRACT NO. 60G52			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
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
 - WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH (WHITE) (6' SKIP, 2' DASH)
 - WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH (YELLOW)
 - WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5 INCH (WHITE)
 - WET REFLECTIVE TEMPORARY TAPE, TYPE III, 8 INCH (WHITE)
 - WET REFLECTIVE TEMPORARY TAPE, TYPE III, 12 INCH (WHITE)

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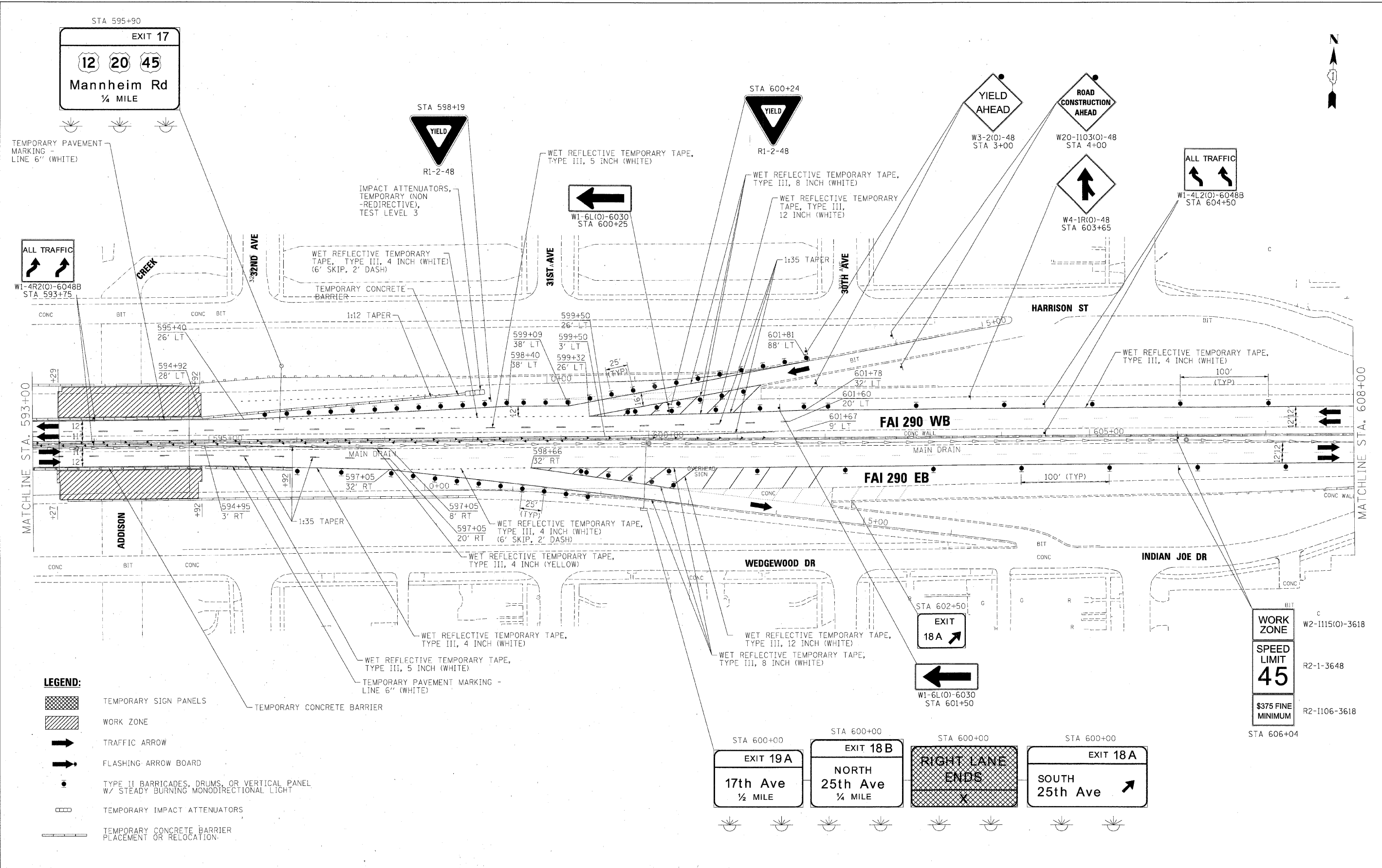
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 20 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	84
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60G52		



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

WORK ZONE
W2-1115(O)-3618

SPEED LIMIT
45

\$375 FINE MINIMUM
R2-1-3648
R2-1106-3618
STA 606+04

STA 600+00

EXIT 19A
17th Ave
1/2 MILE

EXIT 18B
NORTH
25th Ave
1/2 MILE

RIGHT LANE ENDS

EXIT 18A
SOUTH
25th Ave

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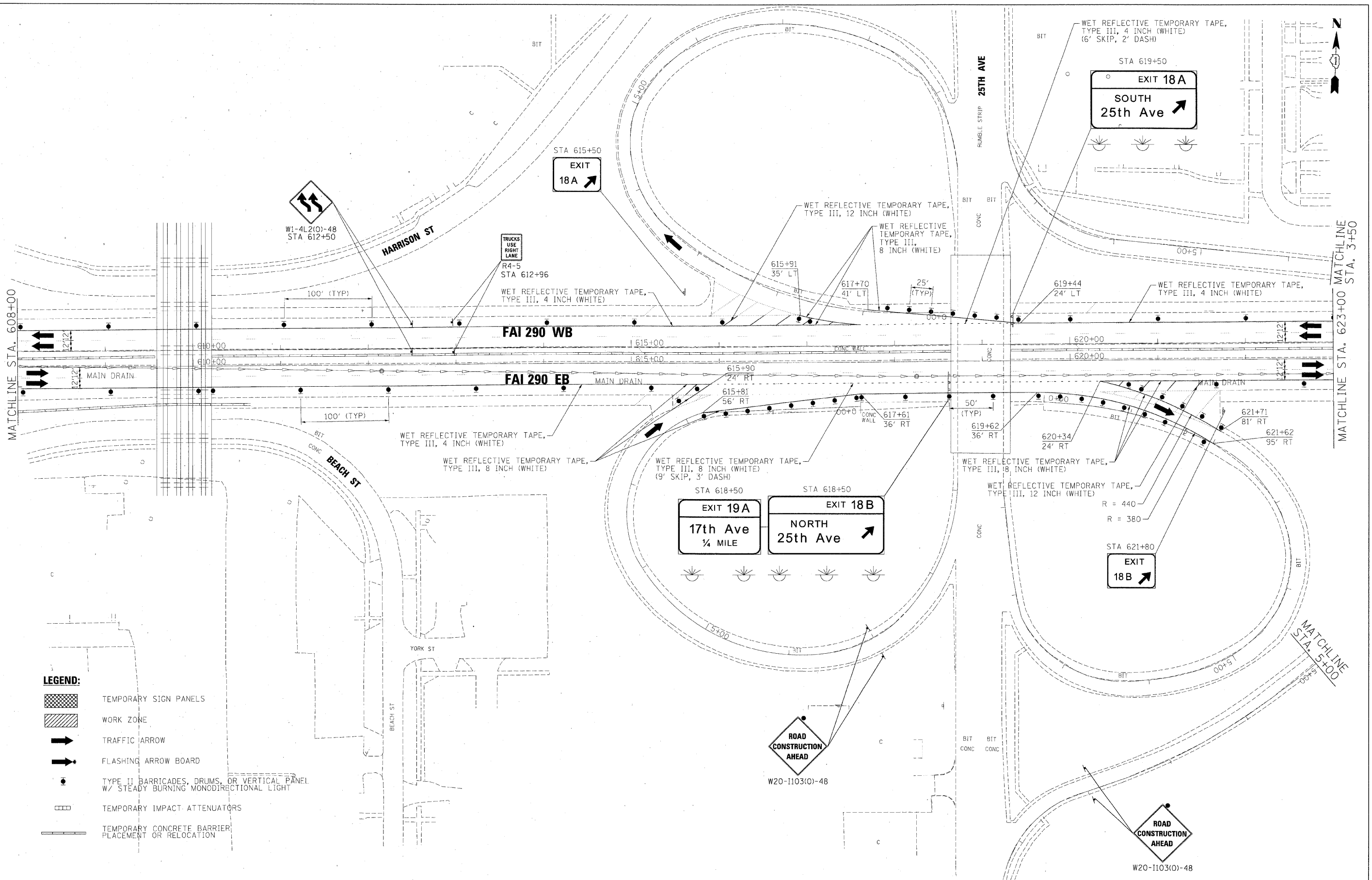


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PLAN - STAGE 1

SCALE: 1"=50' SHEET NO. 21 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	85
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60052	



- 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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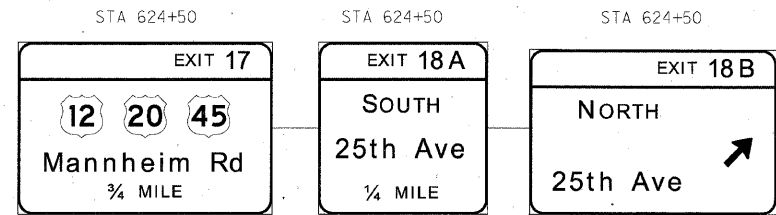
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

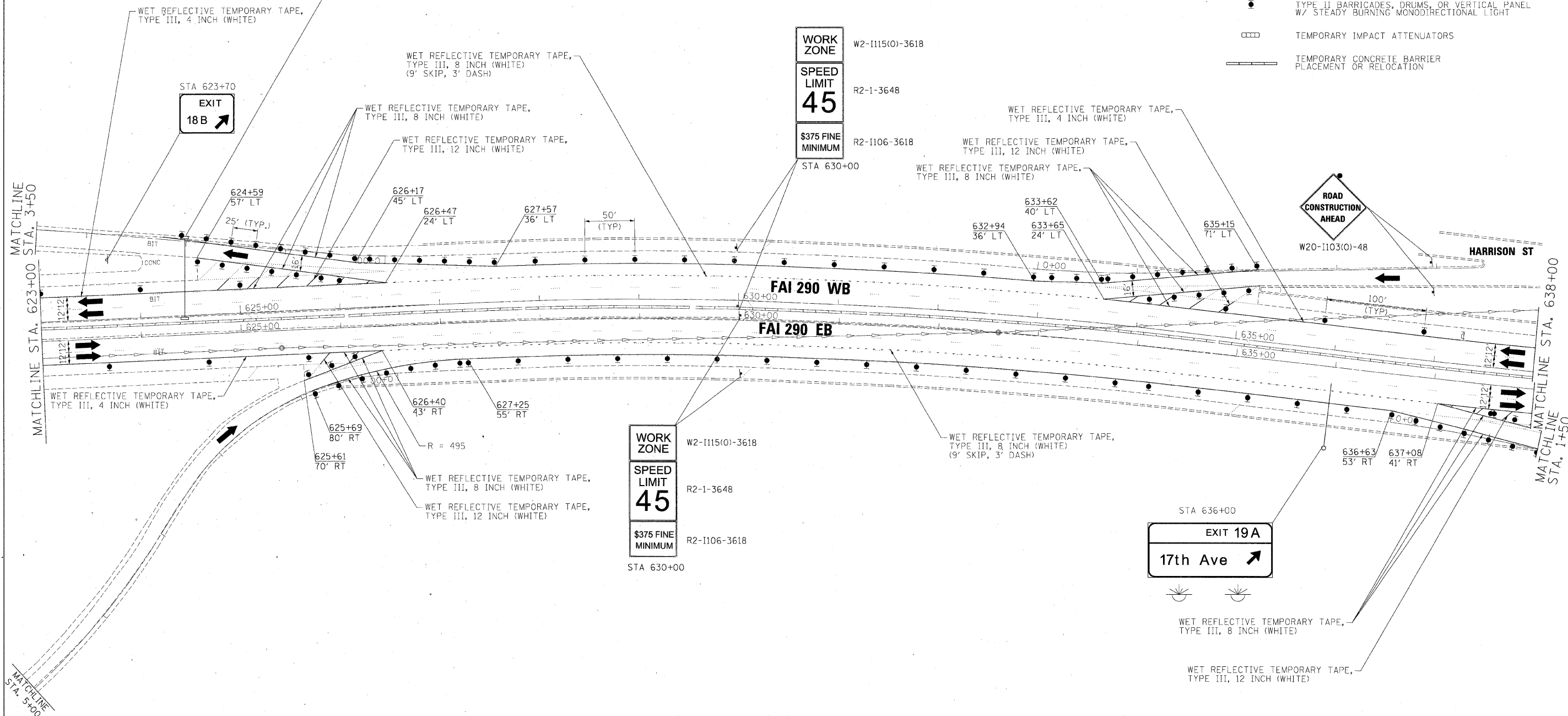
**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 22 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	86
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G52	



- 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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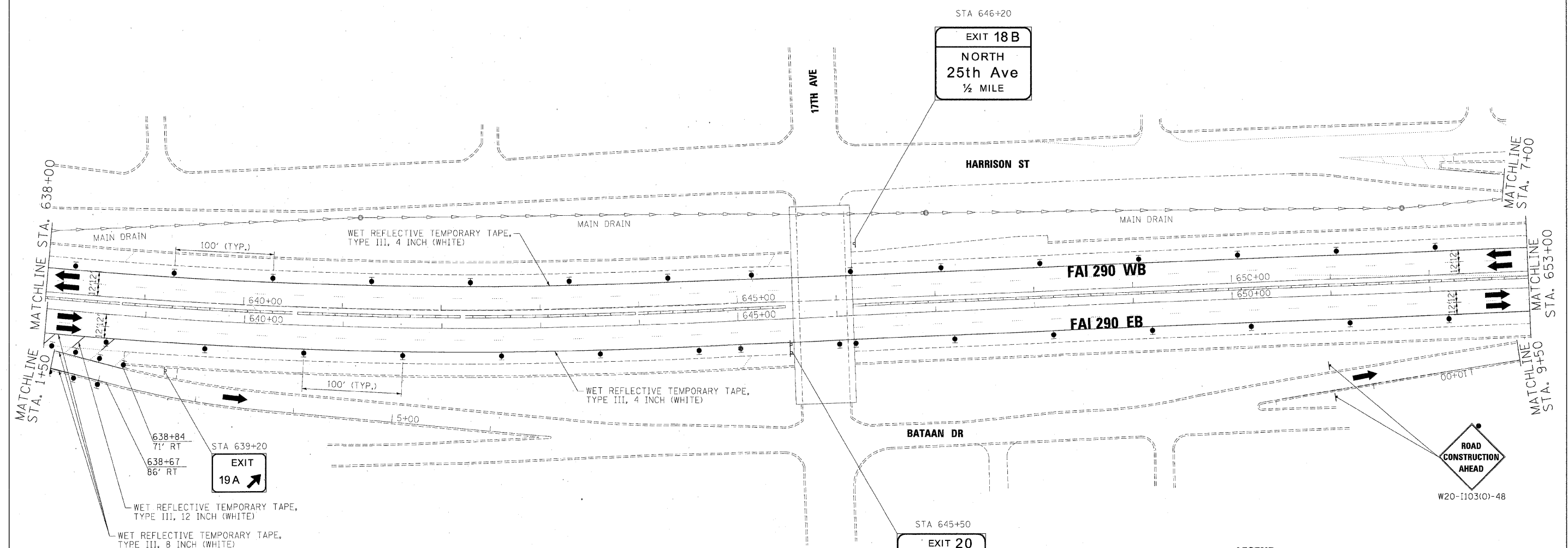
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 23 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	87
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60G52		



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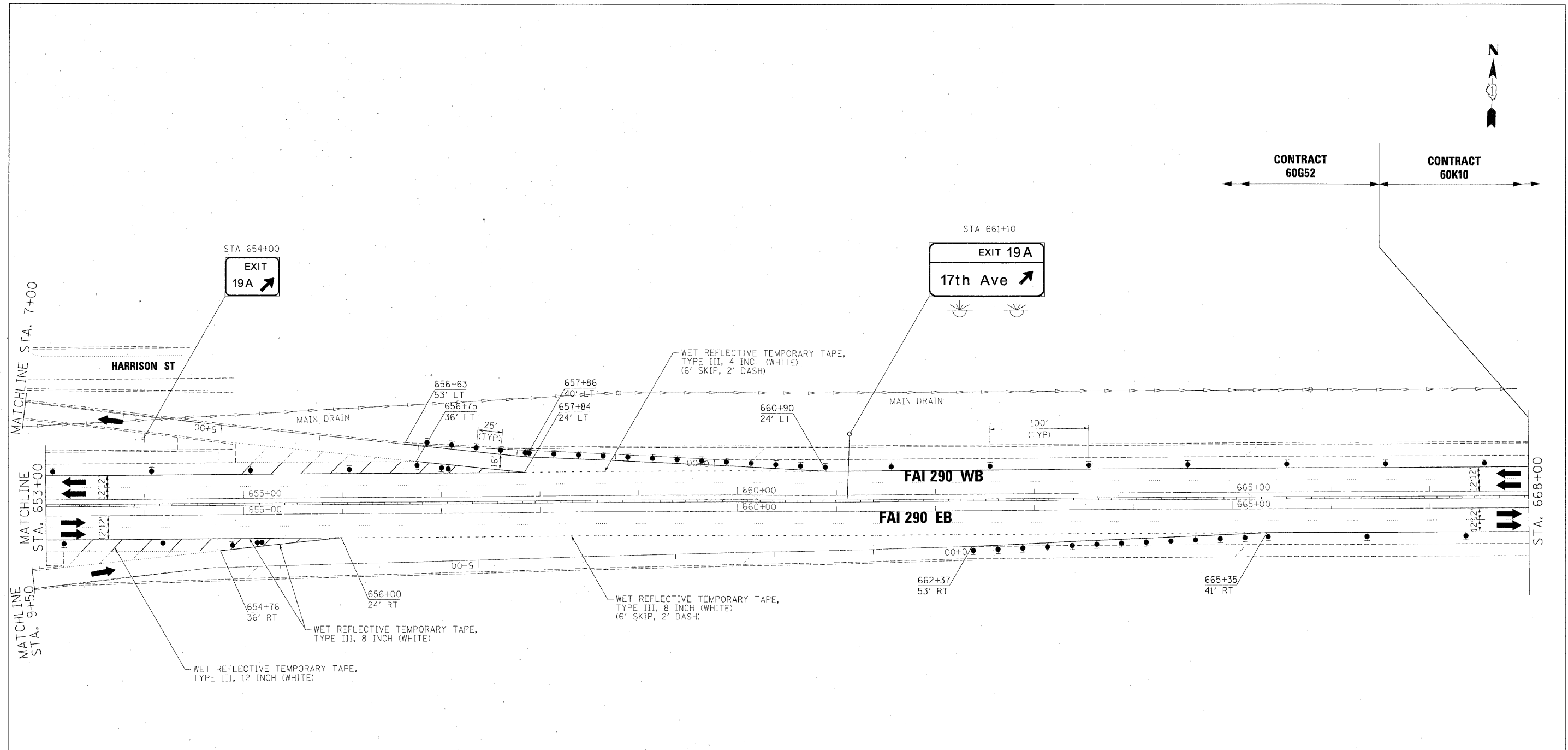
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 24 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	88
CONTRACT NO. 60G52				
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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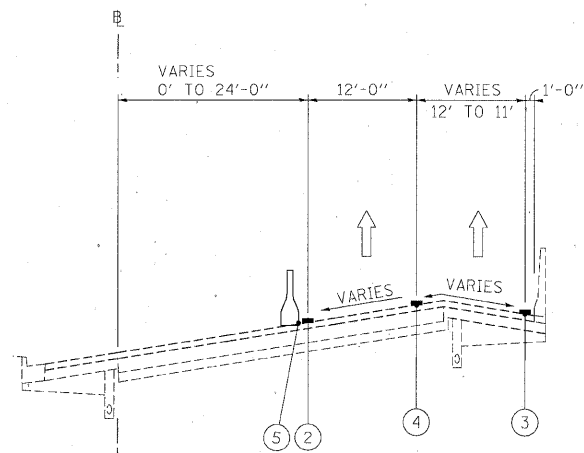
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

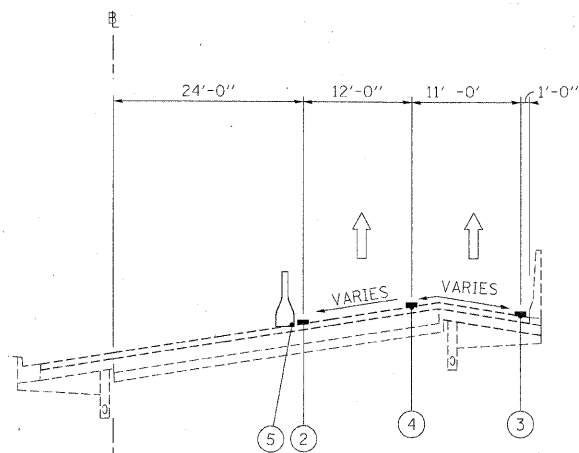
SCALE: 1"=50' SHEET NO. 25 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	89
CONTRACT NO. 60G52			ILLINOIS FED. AID PROJECT	



EASTBOUND
STA 484+49 TO STA 490+41

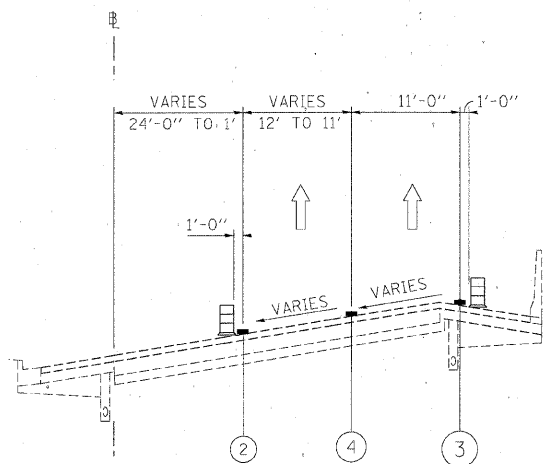
I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 2



EASTBOUND
STA 490+41 TO STA 494+42

I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 2

BRIDGE OMISSION: STA 490+41 to STA 494+42



EASTBOUND
STA 494+42 TO STA 505+97

I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 2

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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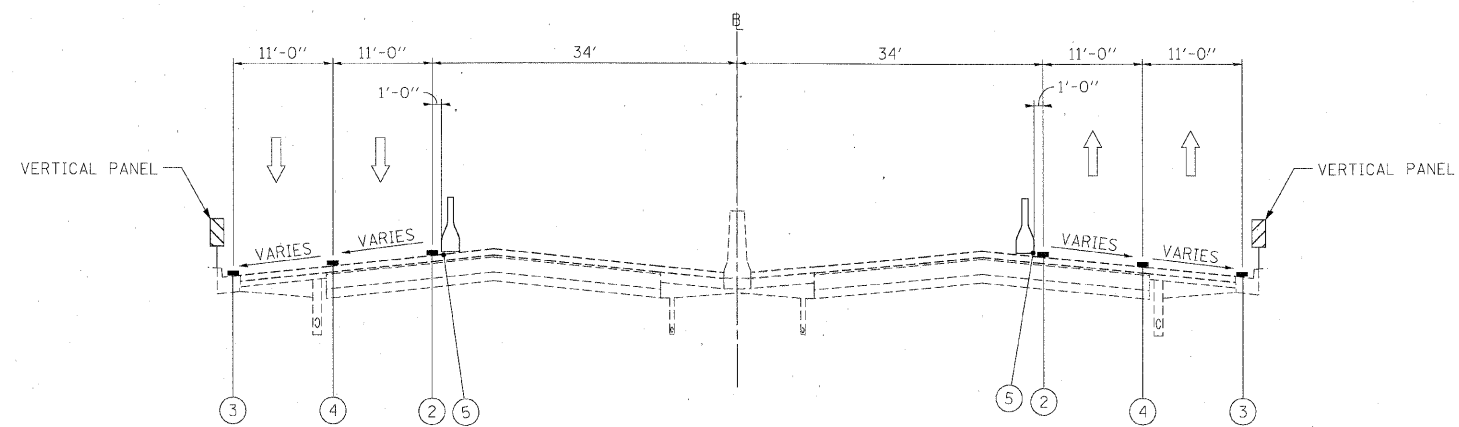
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 2




SCALE: SHEET NO. 26 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838RS-5	COOK	264	90
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G52	



WESTBOUND MAINTENANCE OF TRAFFIC EASTBOUND
 STA 503+43 TO 530+10 **TYPICAL SECTION** STA 505+97 TO 526+15
 STAGE 2
 BRIDGE OMISSION
 STA 506+97 TO STA 509+30
 STA 524+98 TO STA 525+90

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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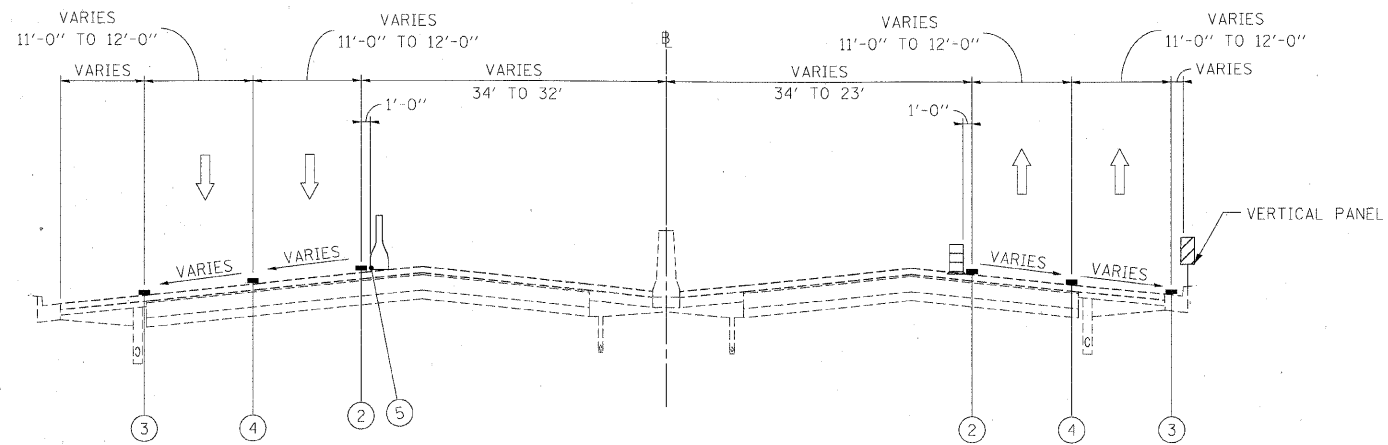
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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




SCALE: SHEET NO. 27 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838RS-5	COOK	264	91
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	



WESTBOUND I-290 MAINTENANCE OF TRAFFIC EASTBOUND
TYPICAL SECTION
 STA 530+10 TO STA 530+81 STAGE 2 STA 526+15 TO STA 530+45

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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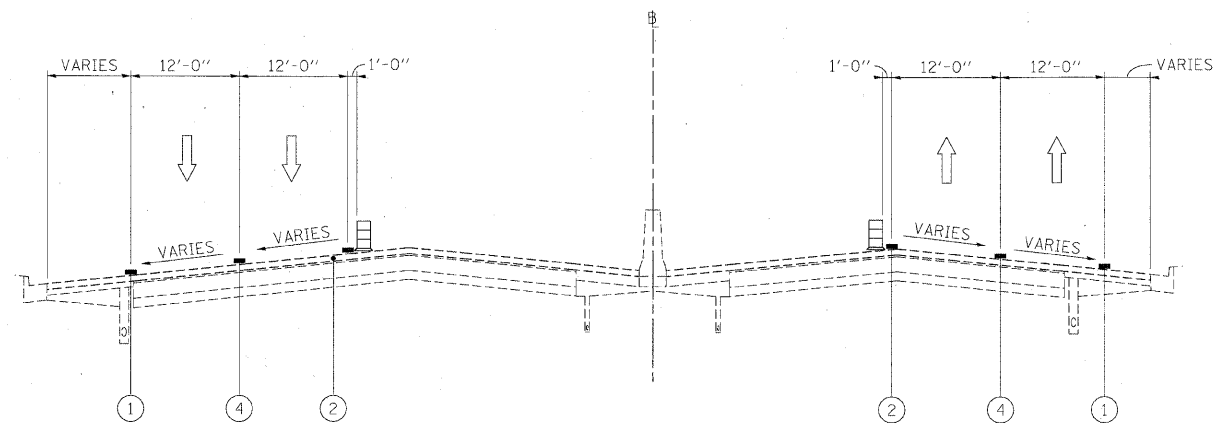
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

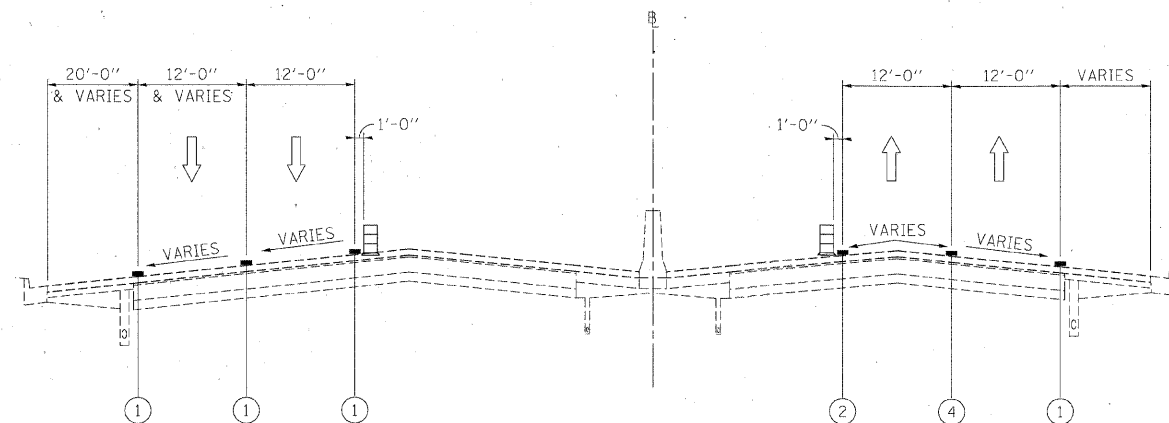
**MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 2**

SCALE: SHEET NO. 28 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	92
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G52	






WESTBOUND I-290 MAINTENANCE OF TRAFFIC EASTBOUND
TYPICAL SECTION
 STA 530+81 TO STA 540+42 STAGE 2 STA 530+45 TO STA 540+42



WESTBOUND I-290 MAINTENANCE OF TRAFFIC EASTBOUND
TYPICAL SECTION
 STA 540+42 TO STA 585+45 STAGE 2 STA 540+42 TO STA 583+54

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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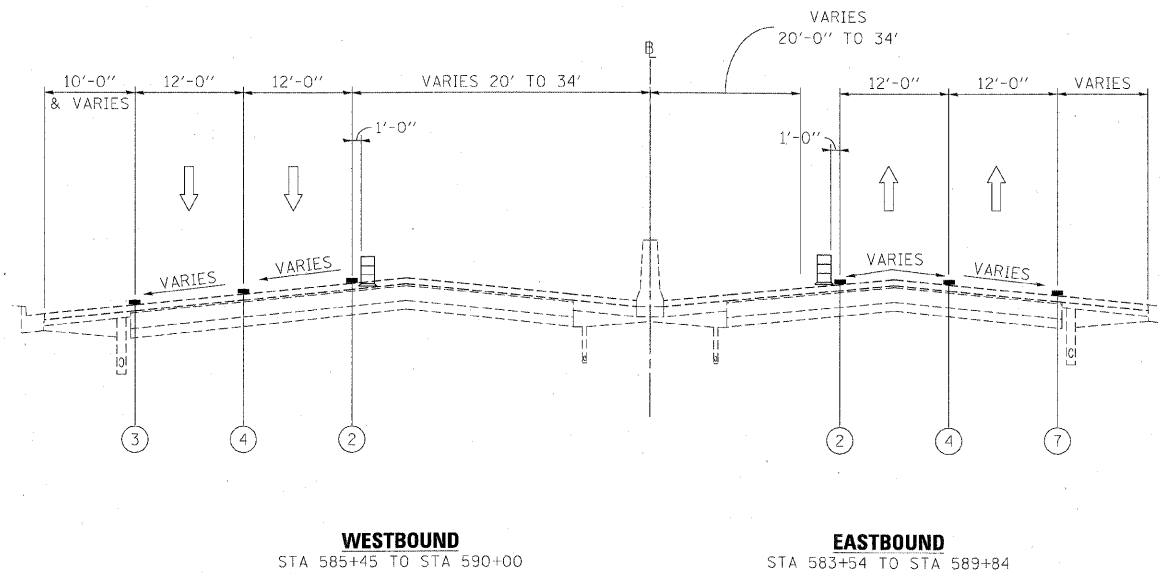
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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




SCALE: SHEET NO. 29 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	93
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G52	



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

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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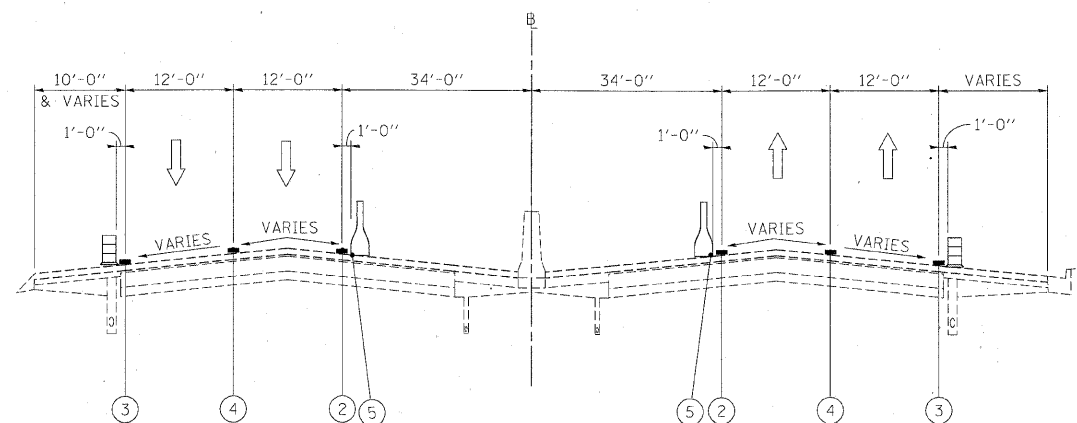
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET NO. 30 OF 62 SHEETS STA. TO STA.

F.A.I. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	94
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60C52	

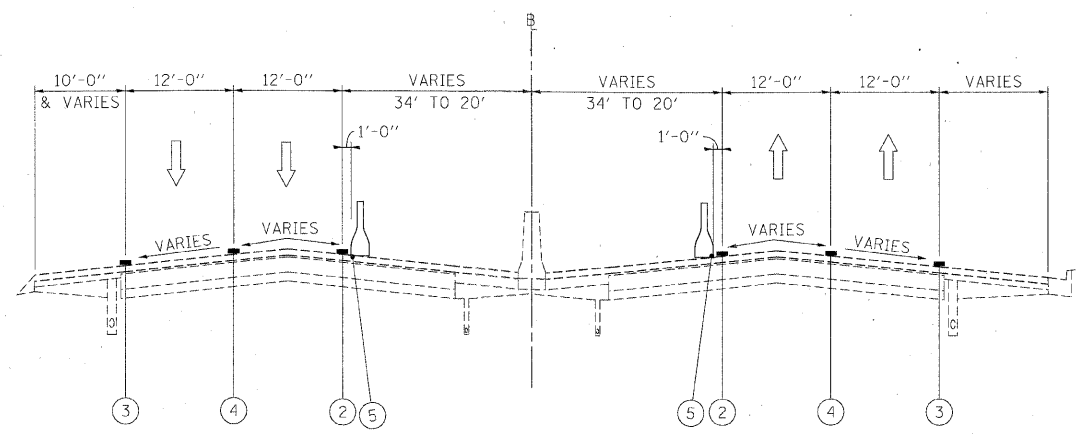


WESTBOUND
STA 590+00 TO STA 598+31

EASTBOUND
STA 589+84 TO STA 598+00

I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 2

BRIDGE OMISSION: STA 593+29 TO 594+91



WESTBOUND
STA 598+31 TO STA 603+18

EASTBOUND
STA 598+00 TO STA 602+90

I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 2

- 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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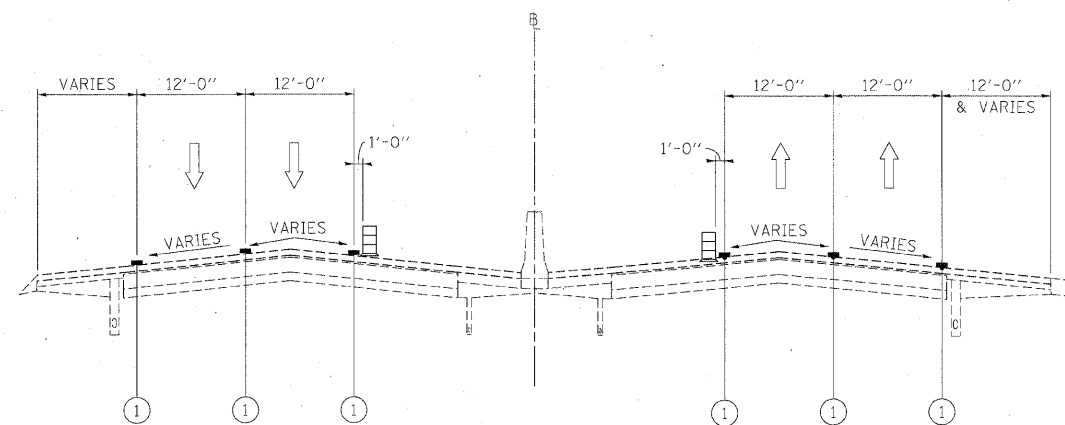
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTION - STAGE 2

SCALE: SHEET NO. 31 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	95
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60C52				



WESTBOUND
STA 603+18 TO STA 668+00 (END OF CONTRACT)

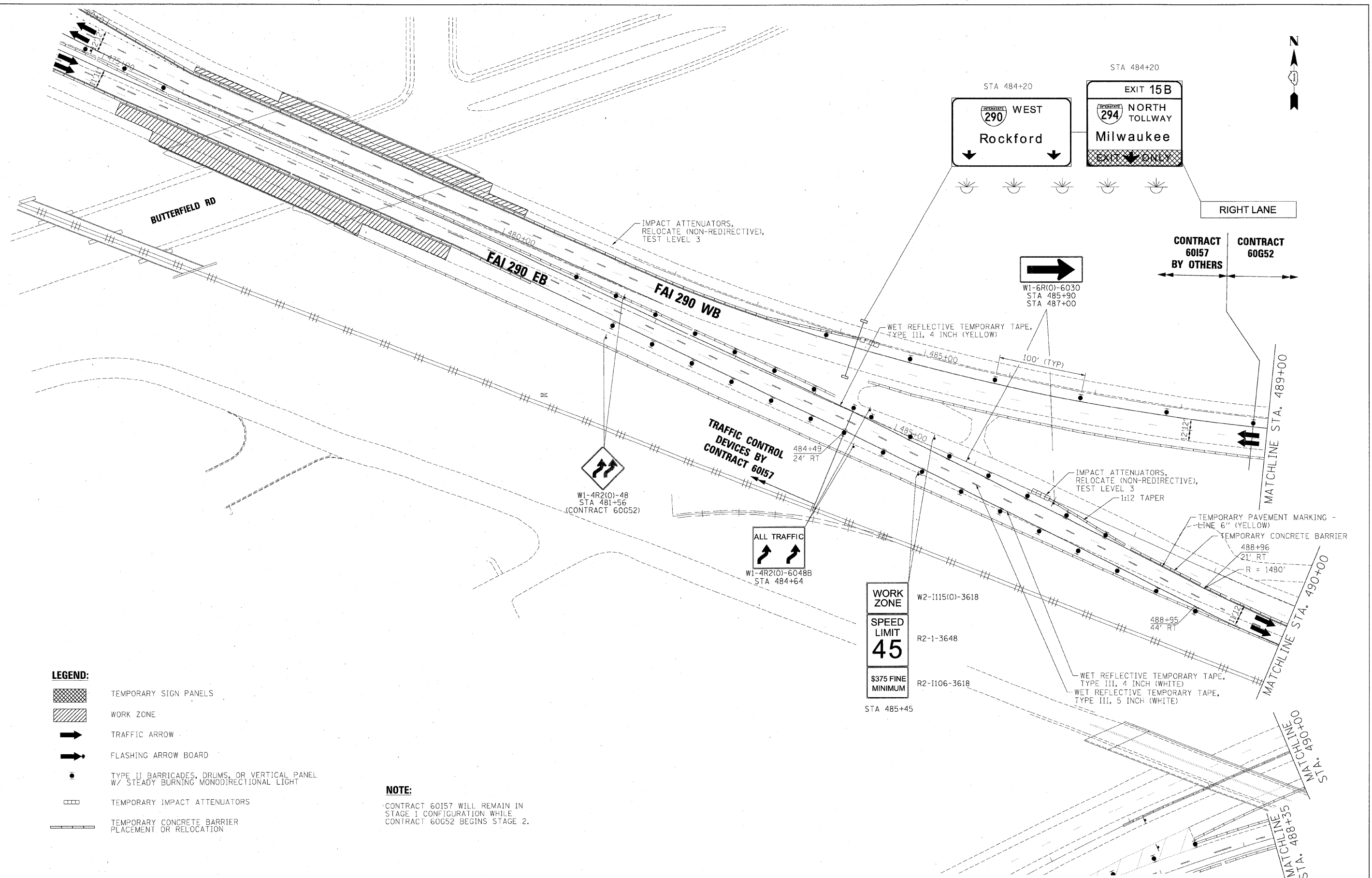
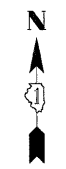
EASTBOUND
STA 602+90 TO STA 668+00 (END OF CONTRACT)

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

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 -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 2	F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\prpl\abc\c2\ml\mot_tgs\st.2.07.dgn	DRAWN - TMB	REVISED -				290 (3435, ETC., 3838)RS-5	COOK	264	96
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PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -				SCALE:	SHEET NO. 32 OF 62 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.



- 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

NOTE:
 CONTRACT 60157 WILL REMAIN IN STAGE 1 CONFIGURATION WHILE CONTRACT 60652 BEGINS STAGE 2.

FILE NAME =	DESIGNED - AJP	REVISED -
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benesch

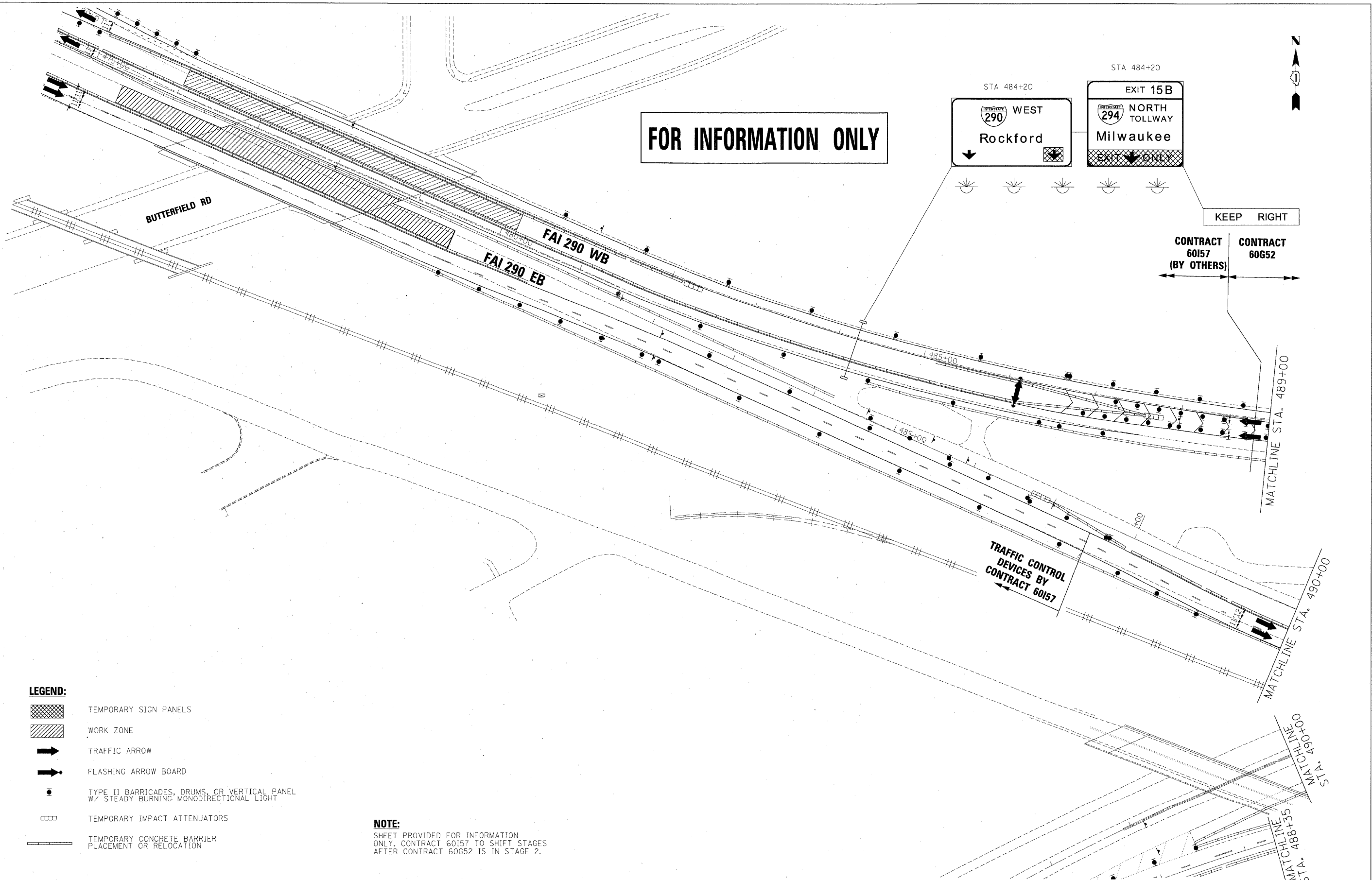
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
 PLAN - STAGE 2








SCALE: 1"=50' SHEET NO. 33 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	97
CONTRACT NO. 60652				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

NOTE:
SHEET PROVIDED FOR INFORMATION ONLY. CONTRACT 60157 TO SHIFT STAGES AFTER CONTRACT 60652 IS IN STAGE 2.

FILE NAME =	DESIGNED - AJP	REVISED -
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benesch








**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

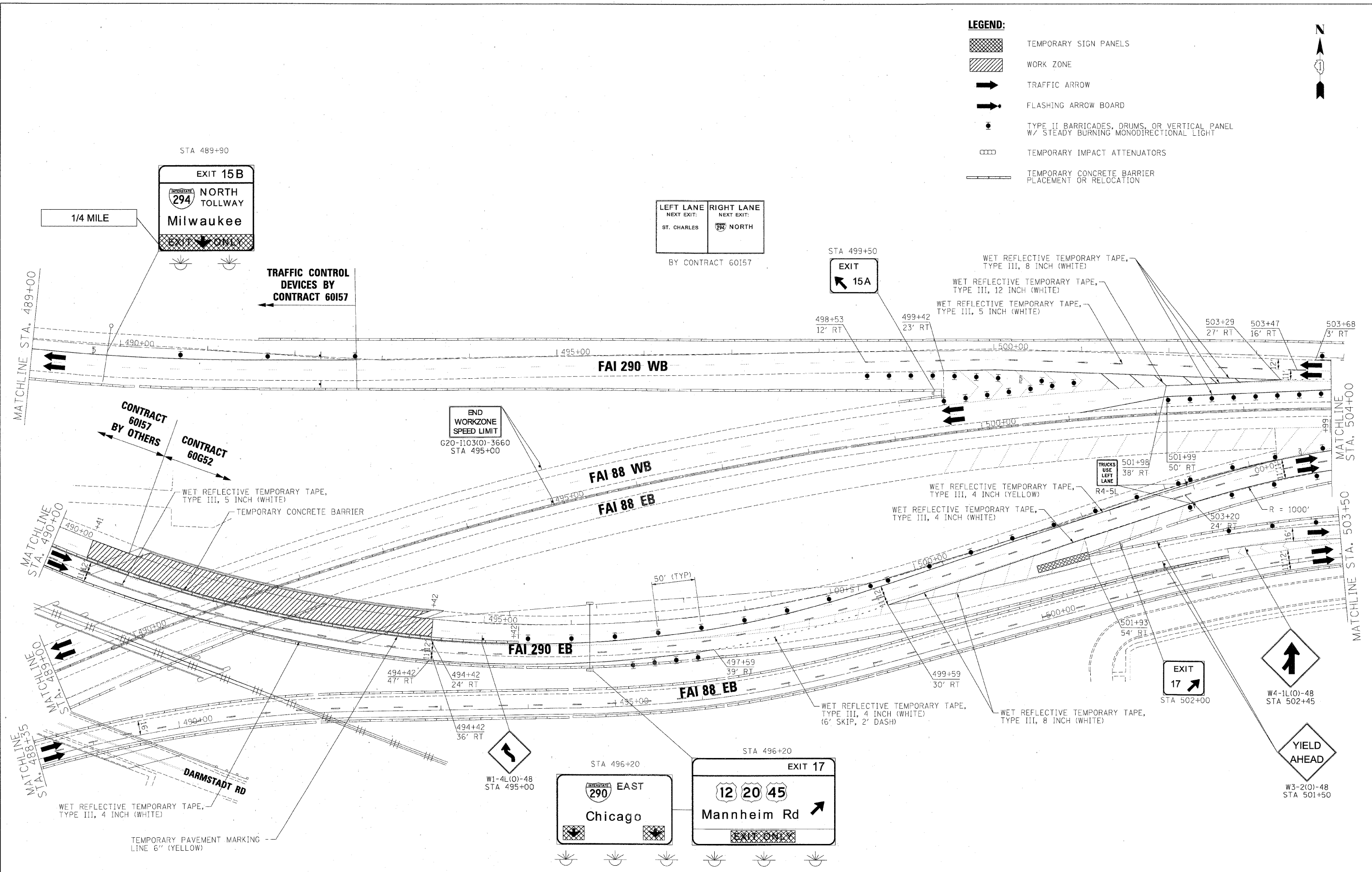
**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 34 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	98
CONTRACT NO. 60652				
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



FILE NAME =	DESIGNED - AJP	REVISED -
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PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

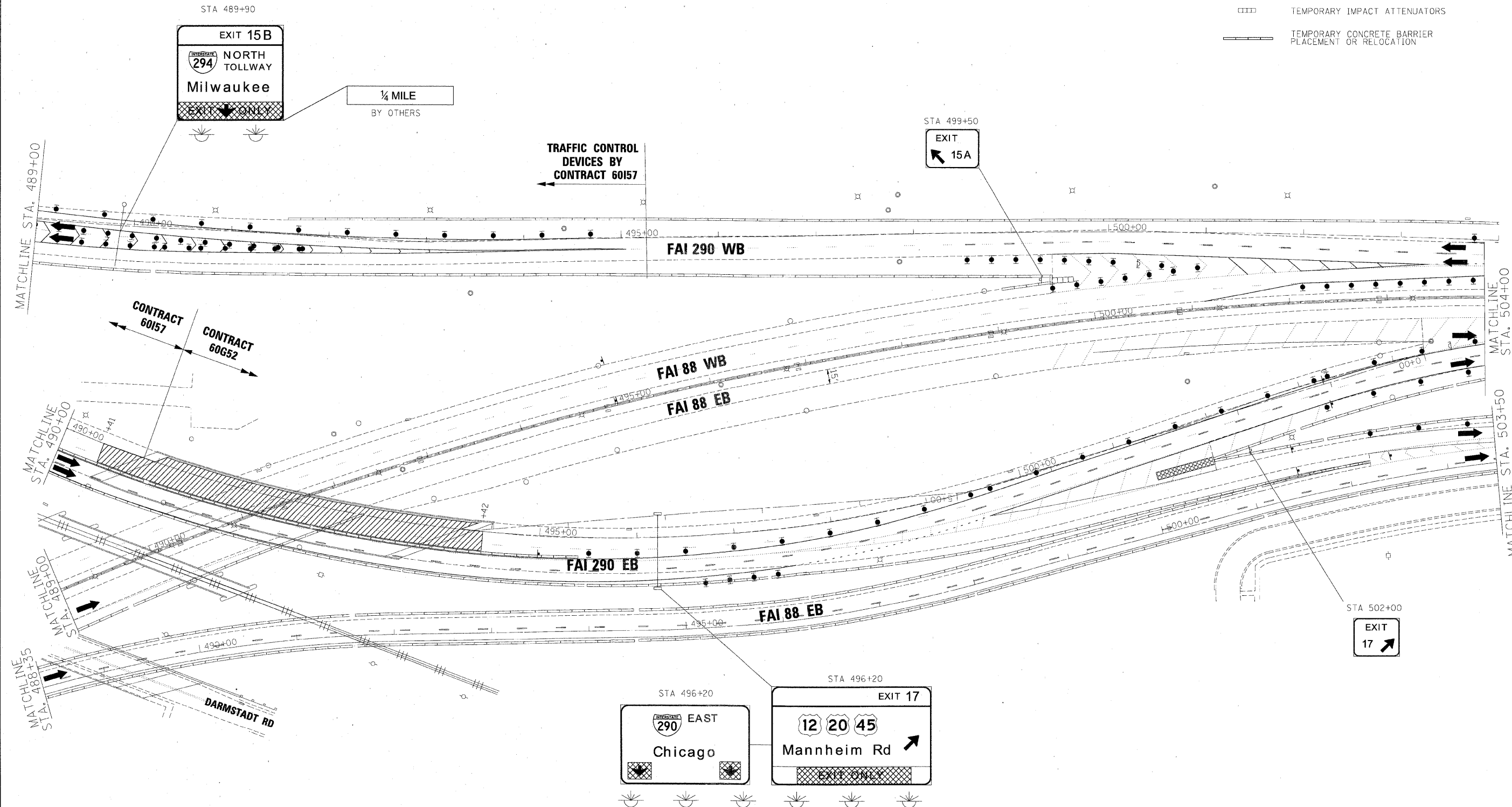
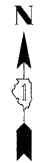
SCALE: 1"=50' SHEET NO. 35 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3435, ETC., 3838)RS-5	COOK	264	99
CONTRACT NO. 60652				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE:
SHEET PROVIDED FOR INFORMATION ONLY. CONTRACT 60157 TO SHIFT STAGES AFTER CONTRACT 60652 IS IN STAGE 2.

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



FILE NAME =	DESIGNED - AJP	REVISED -
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USER NAME = tblank	CHECKED - JMM	REVISED -
PLD DATE = 1/25/2010	DATE - 1/25/10	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 36 OF 62 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
290	(3435, ETC., 3838)RS-5	COOK	264 100
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT
			CONTRACT NO. 60652