

FOR INDEX OF SHEETS, SEE SHEET NO. 2.

TRAFFIC DATA

ADT = 149,000 VEHICLES
POSTED SPEED LIMIT = 55 MPH

PROJECT LOCATED IN THE
VILLAGE OF HILLSIDE,
VILLAGE OF BERKELEY,
CITY OF ELMHURST
AND CITY OF NORTHLAKE

STRUCTURE LOCATIONS

I-290 OVER YORK RD
SN 022-0005 (EB)
SN 022-0006 (WB)

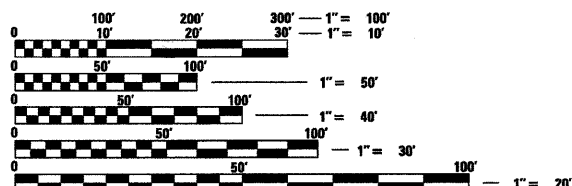
I-290 OVER IL 64 (NORTH AVE)
SN 022-0007 (EB)
SN 022-0008 (WB)

I-290 OVER UPRR (NORTH)
SN 016-1130 (EB)
SN 016-1131 (WB)

I-290 OVER UPRR (SOUTH)
SN 016-1133 (EB)
SN 016-1132 (WB)

I-290 OVER ELECTRIC AVE & PRAIRIE PATH
SN 016-1134 (EB)
SN 016-1135 (WB)

I-290 OVER IL 56 (BUTTERFIELD RD)
SN 016-0084 (EB)
SN 016-0083 (WB)



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. 60157

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**
FAI-290 (EISENHOWER EXPRESSWAY)
SECTION 2009-099BR
PROJECT: ACIM-290-3(063)083
EAST OF CHURCH RD. TO I-88
ROADWAY AND STRUCTURE REPAIRS
COOK AND DUPAGE COUNTIES
C-91-080-10

NOTE: WHEREVER IN THESE PLANS REFERENCE IS MADE TO "TOTAL SHEETS - 309" IT SHALL MEAN "394".

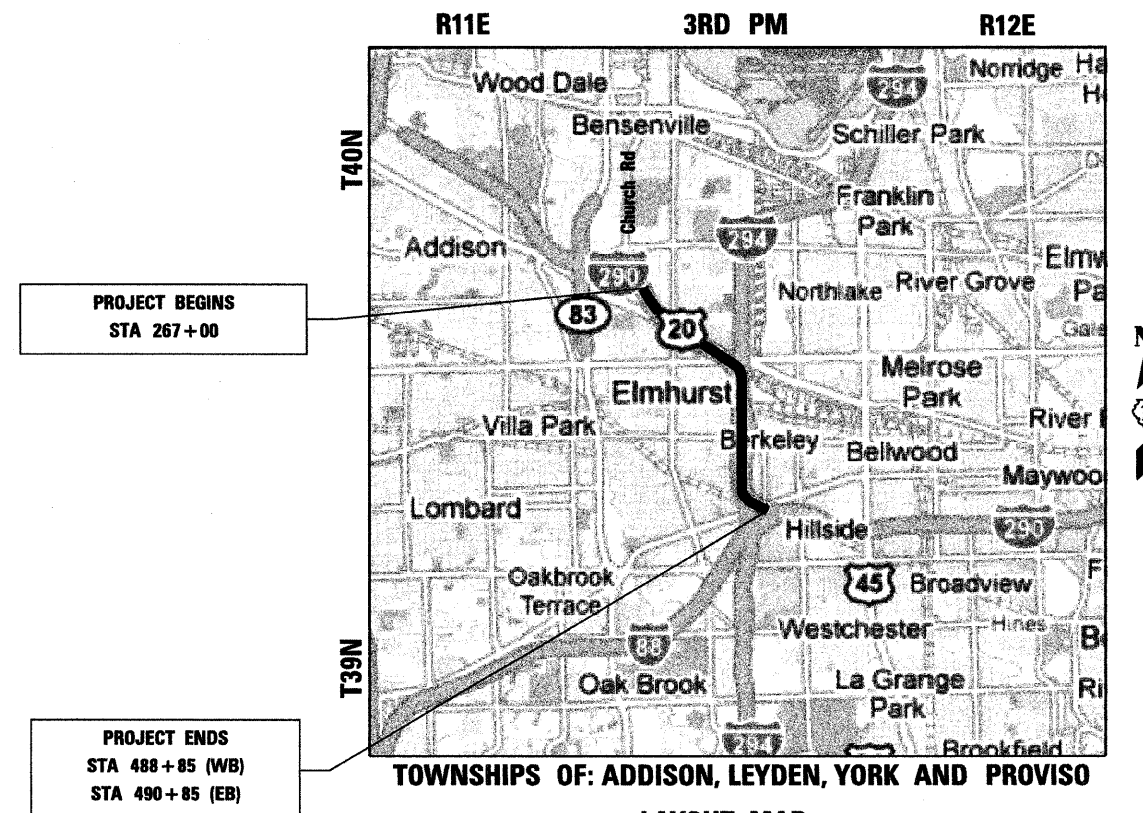
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	60157	

★ 394+9 = 403 total sheets

D-91-341-09



LOCATION OF SECTION INDICATED THUS: -



PROJECT BEGINS
STA 267+00

PROJECT ENDS
STA 488+85 (WB)
STA 490+85 (EB)

LAYOUT MAP
SCALE: 1 IN = 1.5 MI
GROSS LENGTH OF PROJECT = 22,385 LIN FT = 4.24 MILES
NET LENGTH OF PROJECT = 22,385 LIN FT = 4.24 MILES



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED OCTOBER 7, 2009
Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
December 4, 2009
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT
December 4, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

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

Rev. 1-B-10 REV.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS, GENERAL NOTES & HMA REQUIREMENTS
3-5A	SUMMARY OF QUANTITIES
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12-14	SCHEDULES OF QUANTITIES
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270-279	TRAFFIC SUEILLANCE LOOP PLANS
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* **Added 47A, 47B.**

SPECIAL WASTE

THE PROPOSED SCOPE OF WORK INCLUDES EXCAVATION AND DISPOSAL OF BACKFILL MATERIAL FROM BEHIND THE EXISTING BRIDGE ABUTMENTS OF:

- I-290 EB OVER YORK ROAD - SN 022-0005
- I-290 WB OVER YORK ROAD - SN 022-0006

EXCAVATED MATERIAL IS LOCATED WITHIN EXISTING ROADWAY LIMITS AND SHALL BE DISPOSED OF IN THE I-290/I-355 INTERCHANGE INFIELD LOCATED IN THE ADJACENT CONTRACT 60G51. THE CONTRACTOR SHALL COORDINATE HIS DISPOSAL ACTIVITIES WITH THE CONTRACT 60G51 CONTRACTOR. GRADING THE EXCAVATED MATERIAL WILL BE INCLUDED IN CONTRACT 60G51.

THIS PROJECT HAS BEEN SIGNED OFF IN-HOUSE FOR SPECIAL WASTE. IF THE PROPOSED SCOPE OF WORK CHANGES OR IF ADDITIONAL ROW/TEMPORARY EASEMENTS ARE REQUIRED, PLEASE CONTACT THE ENVIRONMENTAL STUDIES UNIT AT EXTENSION 4101 TO DISCUSS ANY POTENTIAL IMPACTS.

COST OF EXCAVATING AND DISPOSING OF EXCAVATED MATERIAL IS INCLUDED IN THE COST OF STRUCTURE EXCAVATION. SEE STRUCTURE PLANS.

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
542401-01	METAL END SECTION FOR PIPE CULVERTS
606001-04	COMBINATION CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
609001-05	BRIDGE APPROACH SHOULDER PAVEMENT AND DRAIN
630001-08	STEEL PLATE BEAM GUARDRAIL
631026-05	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-08	TRAFFIC BARRIER TERMINAL, TYPE 6
631032-05	TRAFFIC BARRIER TERMINAL, TYPE 6A
631033-03	TRAFFIC BARRIER TERMINAL, TYPE 6B
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
637001-04	CONCRETE BARRIER, DOUBLE FACE, 815mm (32 in) HEIGHT
637006-02	CONCRETE BARRIER, DOUBLE FACE, 1065mm (42 in) HEIGHT
642001-01	SHOULDER RUMBLE STRIPS
70101-02	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24' (600mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701400-04	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-05	LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-05	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-06	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701421-02	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY FOR SPEEDS ≥ 45 MPH
701422-02	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥ 45 MPH
701446-01	TWO LANE CLOSURE FREEWAY/EXPRESSWAY

GENERAL NOTES:

- BEFORE STARTING WORK THE CONTRACTOR SHALL CALL DIGGER AT (312) 774-7000 FOR WORK WITHIN THE CHICAGO CITY LIMITS OR JULIE AT 811 OR (800) 892-0123 FOR WORK OUTSIDE CHICAGO CITY LIMITS FOR FIELD LOCATIONS OF BURIED UTILITIES. 72 HOUR ADVANCE NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE WORK ACTIVITIES WITH ADJACENT CONTRACTS. IDOT CONTRACT *S ARE 60G51 AND 60G52.
- 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, CONCRETE BARRIER REMOVAL AND REPLACEMENT, AND COMBINATION CURB & GUTTER REMOVAL & REPLACEMENT LIMITS ARE NOT SHOWN ON THE PLANS. LIMITS OF THIS WORK WILL BE DETERMINED BY THE ENGINEER.
- BUTT JOINTS WILL BE INSTALLED AT THE END OF ALL RESURFACING SECTIONS TO MATCH EXISTING PAVEMENT. SEE DISTRICT DETAIL BD400-05 - BUTT JOINT AND HMA TAPER DETAILS FOR ALL PCC AND HMA BUTT JOINTS
- CONTACT EXPRESSWAY OPERATIONS AT (847) 705-4151 TWO WEEKS BEFORE INSTALLING FINAL PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL SWEEP AND CLEAN THE PAVEMENT SURFACE, PER ARTICLE 107.15 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- TEMPORARY EDGE LINES SHOWN IN THE SUGGESTED MAINTENANCE OF TRAFFIC SHALL BE INSTALLED WITHIN 24 HOURS OF MILLING OR BINDER PLACEMENT.

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

IDOT STANDARDS (CONTINUED)

STANDARD NO.	DESCRIPTION
701601-06	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
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 - INCLUDED AS PLAN SHEETS 294-309 & 387-394

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-330	LIGHT POLE FOUNDATION ON CONCRETE PARAPET WALL 15" (381 mm) BOLT CIRCLE
BE-600	ELECTRIC CONNECTION TO SIGN STRUCTURE SPAN TYPE
BE-601	ELECTRIC CONNECTION TO SIGN STRUCTURE CANTILEVER TYPE
BM-21	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL
TC-8	FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-9	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
TC-12	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
TC-17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES
TC-18	PARTIAL RAMP CLOSURES
TC-25	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
TC-25	TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE
TC-27	SHOULDER LANE MILE POST MARKERS- GORE SIGNS- MAJOR GUIDE SIGN LAYOUT- ARROWS

HOT-MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	THICKNESS	VOIDS
RAMPS AND SHOULDERS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	1 1/2"	4% @ 70 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N70	2-1/4"	4% @ 70 Gyr
PATCHING		
CLASS D PATCHES OF TYPE AND THICKNESS SPECIFIED (HMA BINDER IL-25mm)	10"	4% @ 105 Gyr
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-25mm)	3 1/4"	4% @ 105 Gyr

UNIT WEIGHT USED TO CALCULATE 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	2009-099BR	COOK/DUPAGE	309	2			
USER NAME = #USER#	CHECKED - JMM	REVISED -			SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.			CONTRACT NO. 60157				
PLOT DATE = #DATE#	DATE - 10/16/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY		SURVEILLANCE		BRIDGE	BRIDGE	BRIDGE	BRIDGE
					90% FED 10% STATE		90% FED 10% STATE		SN 016-1130 SN 016-1131 SN 016-1132 SN 016-1133	SN 022-0005 SN 022-0006	SN 022-0007 SN 022-0008	SN 016-0083 SN 016-0084 SN 016-1134 SN 016-1135
					COOK	DUPAGE	COOK	DUPAGE	COOK	DUPAGE	DUPAGE	COOK
CONSTRUCTION TYPE CODE												
					I000-2A	I000-2A	Y032-1F	Y032-1F	X171-2A	X231-2A	X271-2A	X271-2A
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	62								
**	21101605	TOPSOIL FURNISH AND PLACE, 2"	SA YD	3872	3872							
	28000510	INLET FILTERS	EACH	20	12	8						
**	25001800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.8	0.8							
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	27	16	11						
**	25100115	MULCH, METHOD 2	ACRE	0.8	0.8							
	40600300	AGGREGATE (PRIME COAT)	TON	133	80	53						
**	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	600	600							
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	50	30	20						
**	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	200	200							
	40600895	CONSTRUCTING TEST STRIP	EACH	2	1	1						
**	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	30	30							
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	600	360	240						
**	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	30	30							
	40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	1,500	900	600						
	40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	147	88	59						
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	4,177	892	3,285						
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2,785	595	2,190						
	42001300	PROTECTIVE COAT	SQ YD	2,399	1,439	960						
	42001500	P.C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT	SQ YD	108		108						
	44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	33,151	7,078	26,073						
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,022	1,022							
	44000700	APPROACH SLAB REMOVAL	SQ YD	1,162		1,162						
	44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	88	88							
	44001980	CONCRETE BARRIER REMOVAL	FOOT	112		112						
	44002213	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/4"	SQ YD	807	484	323						
	44200549	CLASS A PATCHES, TYPE I, 10 INCH	SQ YD	242	145	97						
	44200553	CLASS A PATCHES, TYPE II, 10 INCH	SQ YD	103	62	41						
	44200573	CLASS A PATCHES, TYPE I, 12 INCH	SQ YD	130	78	52						
	44200577	CLASS A PATCHES, TYPE II, 12 INCH	SQ YD	396	238	158						
	44200581	CLASS A PATCHES, TYPE III, 12 INCH	SQ YD	77	46	31						
	44200583	CLASS A PATCHES, TYPE IV, 12 INCH	SQ YD	1,925	1,155	770						
	44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	81	49	32						
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	242	145	97						
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	242	145	97						
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	242	145	97						
	44213000	PATCHING REINFORCEMENT	SQ YD	2,933	1,760	1,173						
	44213200	SAW CUTS	FOOT	1,941	1,165	776						
	50102400	CONCRETE REMOVAL	CU YD	368.8				96.0	101.3	91.3	80.2	
	50104650	SLOPE WALL REMOVAL	SQ YD	185				69		116		
	50157300	PROTECTIVE SHIELD	SQ YD	12,332				3,544	1,756	3,098	3,934	
	50200100	STRUCTURE EXCAVATION	CU YD	1,064					1,064			
	50300225	CONCRETE STRUCTURES	CU YD	67.3					67.3			
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	816.1				103.4	527.2	98.7	86.8	

** 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.

SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY		SURVEILLANCE		BRIDGE	BRIDGE	BRIDGE	BRIDGE
					90% FED 10% STATE		90% FED 10% STATE		SN 016-1130	SN 022-0005	SN 022-0007	SN 016-0083
					COOK	DUPAGE	COOK	DUPAGE	SN 016-1131	SN 022-0006	SN 022-0008	SN 016-0084
					CONSTRUCTION TYPE CODE							
					COOK	DUPAGE	COOK	DUPAGE	COOK	DUPAGE	DUPAGE	COOK
					I000-2A	I000-2A	Y032-1E	Y032-1E	X171-2A	X231-2A	X271-2A	X271-2A
	50300260	BRIDGE DECK GROOVING	SQ YD	25,026					8,366	4,164	4,182	8,314
	50300300	PROTECTIVE COAT	SQ YD	26,343					8,732	4,349	4,582	8,680
	50501005	JACK AND REPOSITION BEARINGS	EACH	26						26		
	50501130	STRUCTURAL STEEL REPAIR	POUND	777					777			
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	161,670					9,240	131,860	11,430	9,140
	50800515	BAR SPLICERS	EACH	1,039					88	689	152	110
	51100100	SLOPE WALL 4 INCH	SQ YD	185					69		116	
	51205200	TEMPORARY SHEET PILING	SQ FT	625						625		
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	2,059.5					559.0	365.5	575.0	560.0
	54213447	END SECTIONS 12"	EACH	4		4						
Δ	55039700	STORM SEWERS TO BE CLEANED	FOOT	480	288	192						
	58700300	CONCRETE SEALER	SQ FT	47,089					13,732	12,451	7,340	13,566
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	187						187		
	60100945	PIPE DRAINS 12"	FOOT	80		80						
	60109560	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	371						371		
	60300205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	5		5						
	60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	5		5						
	60500060	REMOVING INLETS	EACH	4		4						
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,022	1,022							
	60900330	TYPE D INLET BOX, STANDARD 609001	EACH	4		4						
	60900515	CONCRETE THRUST BLOCKS	EACH	4		4						
*	63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	75	75							
	63200305	STEEL PLATE BEAM GUARDRAIL REMOVAL	FOOT	75	75							
	63300230	REMOVAL AND REINSTALLATION OF EXISTING STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	105		105						
	64200105	SHOULDER RUMBLE STRIP	FOOT	21,310	13,050	8,260						
	67100100	MOBILIZATION	L SUM	1	0.6	0.4						
	70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1		1						
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	46	31	15						
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	25,508	16,258	9,250						
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	16,920	3,837	13,083						
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	14,727	3,340	11,387						
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	100		100						
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	78,441	41,201	35,240						
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1,876	360	1,516						
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,168	1,338	830						
*	78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	276	64	212						
*	78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	313		313						

Δ - Non-participating
* Specialty Items

FILE NAME = ...prpIn_ABC_C4_sq_02.dgn
USER NAME = tblank
PLOT DATE = 11/16/2009

DESIGNED - AJP
DRAWN - TMB
CHECKED - JMM
DATE - 10/16/09

REVISED -
REVISED -
REVISED -
REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.I. RTE. 290	SECTION 2009-099BR	COUNTY COOK/DUPAGE	TOTAL SHEETS 309	SHEET NO. 4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	

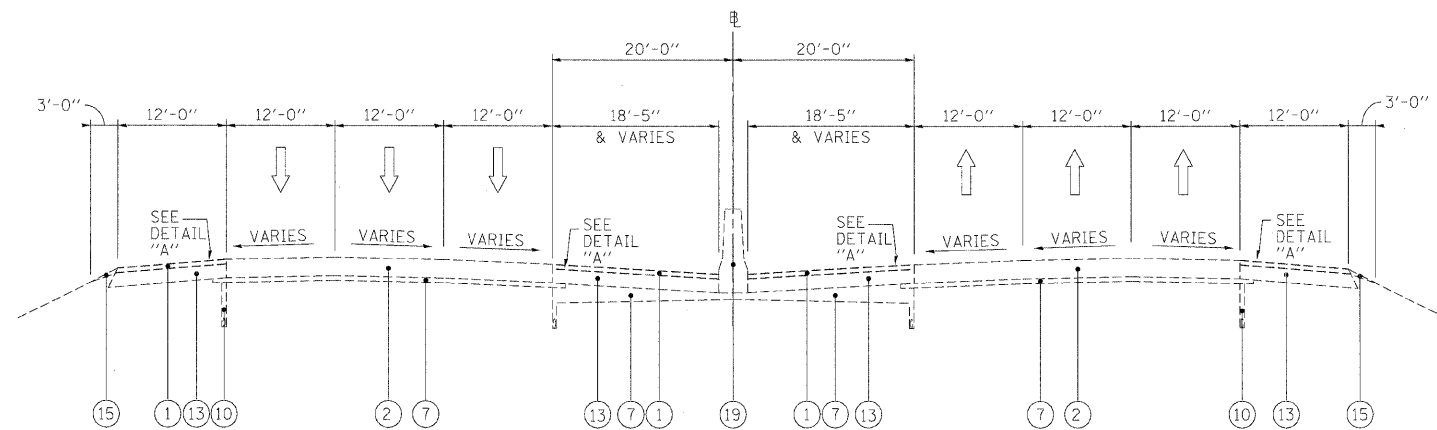
Rev.

SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY		SURVEILLANCE		BRIDGE	BRIDGE	BRIDGE	BRIDGE
					90% FED 10% STATE		90% FED 10% STATE		SN 016-1130 SN 016-1131 SN 016-1132 SN 016-1133	SN 022-0005 SN 022-0006	SN 022-0007 SN 022-0008	SN 016-0083 SN 016-0084 SN 016-1134 SN 016-1135
					COOK	DUPAGE	COOK	DUPAGE	COOK	DUPAGE	DUPAGE	COOK
	Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	219.4								
	X0326044	ROADSIDE DETECTOR	EACH	24								
	Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	363.8								
	X0326045	SERVICE PROVIDER	CAL MD	12								
Δ	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	20	12	8						
	X0326046	ATMS INTERFACE	L SUM	1								
	Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	10	6	4						
	X0326047	TEMPORARY DETECTION SYSTEM MONTHLY MAINTENANCE	CAL MD	12								
	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	12	3	9						
	X0326048	TEMPORARY DETECTION SYSTEM REMOVE AND SALVAGE	L SUM	1								
	Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2							
	Z0030270	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, WIDE), TEST LEVEL 3	EACH	2	2							
	Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE) TEST LEVEL 3	EACH	13	9	4						
	Z0048685	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.6	0.4						
	Z0073200	TEMPORARY SHORING / CRIBBING	EACH	16								
**	X2010300	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	UNIT	600	600							
⊙	Z0075310	TIE BARS 3/4"	EACH	546	328	218						
	Z0076600	TRAINEES	HOOR	1,000	500	500						
**	X0326818	CONCRETE BARRIER REMOVAL AND REPLACEMENT, SINGLE FACE	FOOT	37	17	20						
**	X0326819	CONCRETE BARRIER REMOVAL AND REPLACEMENT DOUBLE FACE	FOOT	650	540	110						
**	X0325222	WEED CONTROL, BASAL TREATMENT	GALLON	20	20							
*	X0326768	CONDUIT IN TRENCH, HIGH DENSITY POLYETHYLENE, COILABLE	FOOT	100			50	50				
**	X0325921	PLANT CARE	S&YD	1000	1000							
**	X0326791	NOISE ABATEMENT WALL REPAIRS	L SUM	1	0.8	0.2						
**	X0322856	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL	GALLON	1	1							
**	X0326765	CLEANING AND PAINTING EXPOSED REBAR (SPECIAL)	SQ FT	500					33	41	366	60
**	X0036120	MULCH PLACEMENT 4"	S&YD	2,000	2,000							
**	X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	1,054.5					288.0	256.5	222.0	288.0
**	X1003660	MOWING CYCLES	EACH	2	2							
**	X0326797	REATTACH GUARD RAIL TO STRUCTURE	EACH	1	1							
*	X0326701	WEED CONTROL, BROADLEAF IN TURF	POUND	0.5	0.5							
*	X0324534	REMOVE AND REINSTALL LIGHT POLES	L SUM	1	1							

⊙Y080
Δ-Non-participating
* Specialty Items

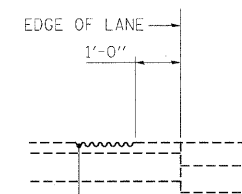
** FOR LOCATIONS AND EXTENT OF WORK NOT SHOWN IN THE PLANS THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND CONTACT RICK WANNER, ROADSIDE DEVELOPMENT ARCHITECT, IDOT ROADSIDE DEVELOPMENT UNIT AT (847)705-4172 AT LEAST 72 HOURS PRIOR TO STARTING WORK.

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.
...prpIn_ABC_C4_soq_03a.dgn	DRAWN - TMB	REVISED -							290	2009-0998R	COOK/DUPAGE	309	5a
USER NAME = tblank	CHECKED - JMM	REVISED -			SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 60157				
PLOT DATE = 11/16/2009	DATE - 10/16/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				Rev.				



EXISTING TYPICAL SECTION

STA 267+00 TO STA 272+10



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 3¾"
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL 3¼"
- ㉔ NOT USED
- ㉕ NOT USED
- ㉖ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1½"
- ㉗ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2¼"
- ㉘ NOT USED
- ㉙ PROPOSED SHOULDER RUMBLE STRIP (STD. 642001-01)

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.

FILE NAME =	DESIGNED - AJP	REVISED -
...prpLn_ABC_04_355.m1_typ_26.dgn	DRAWN - TMB	REVISED -
USER NAME = jmojowski	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

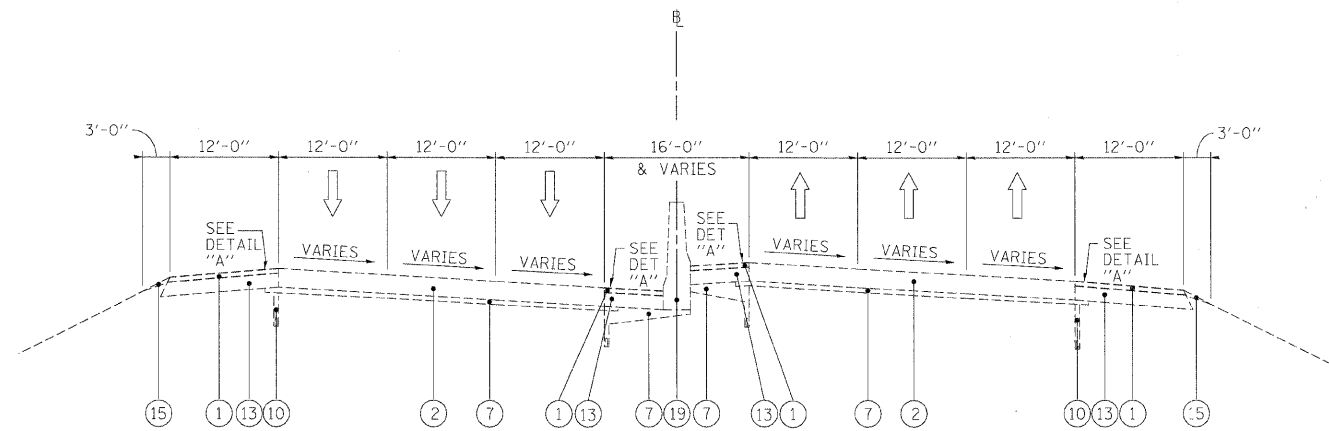
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
I-290 MAINLINE**

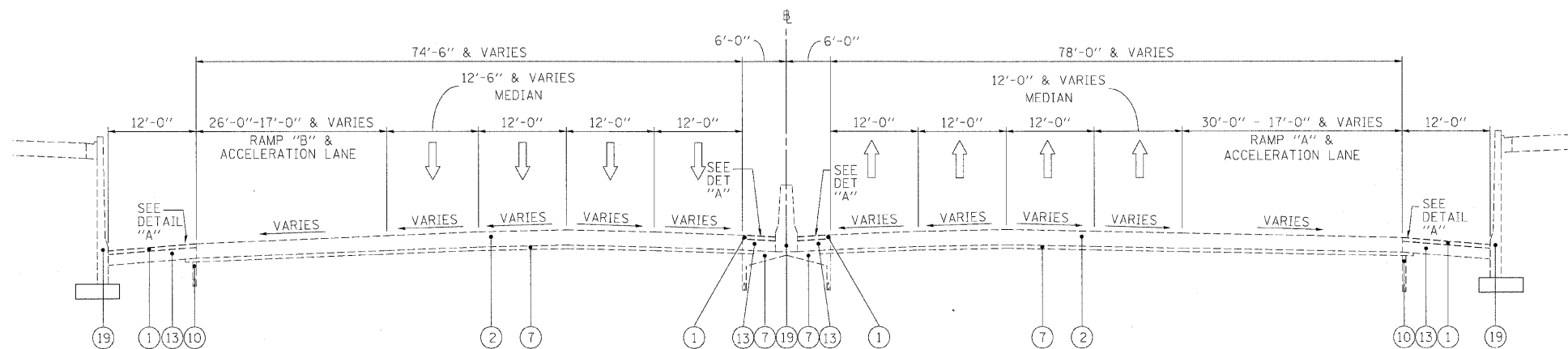
SCALE: N.T.S. SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



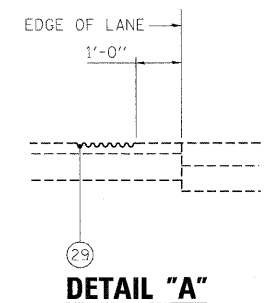
EXISTING TYPICAL SECTION

STA 272+10 TO STA 295+00
 STA 336+00 TO STA 347+60
 STA 350+00 TO STA 372+00



EXISTING TYPICAL SECTION

STA 295+00 TO STA 336+00



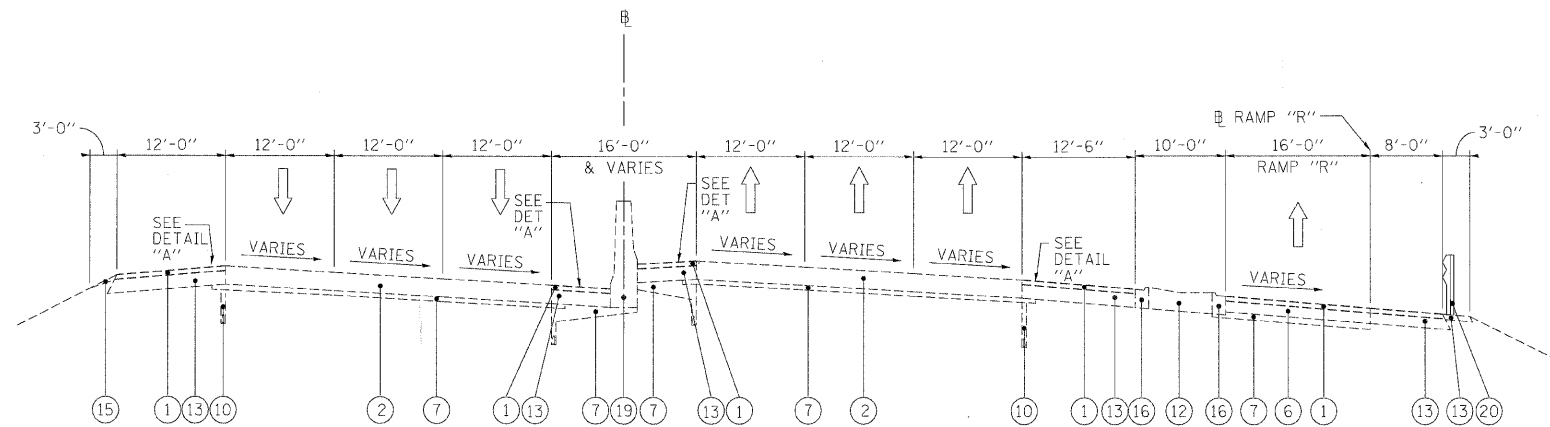
LEGEND

- 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"
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- ⑩ EXISTING PIPE UNDERDRAIN
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- 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 NOT USED
- ㉕ NOT USED
- 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)

NOTES:

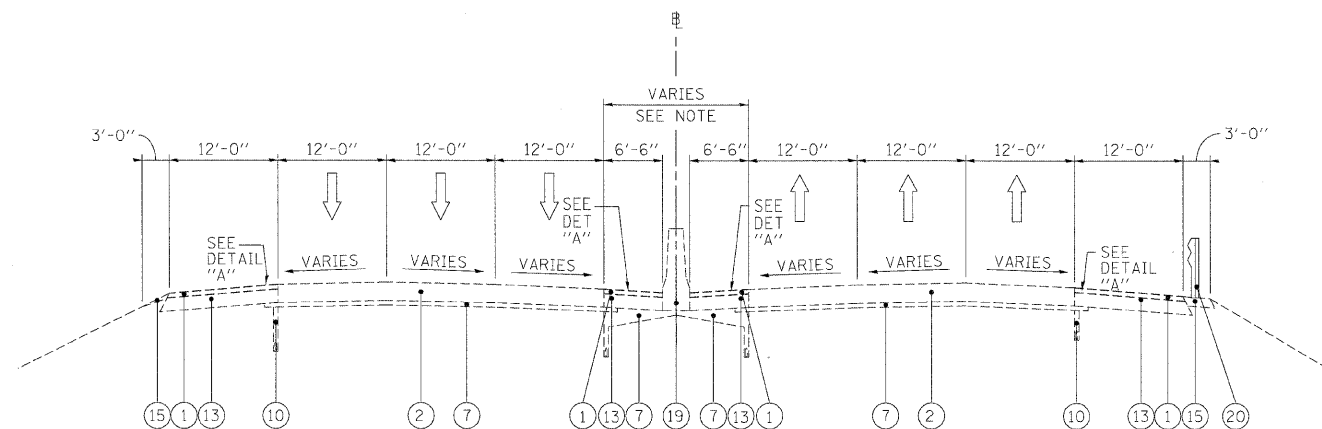
1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
2. THE EXISTING HMA IN THE FLAG OF THE CURB AND GUTTER SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST. THESE COSTS SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS MILLING AND RESURFACING OPERATIONS MEASURED TO THE EDGE OF THE SHOULDER.
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.

FILE NAME = ...ppr\in_abc_c4_385_ml_tyo_22.dgn	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.
USER NAME = jmojewski	DRAWN - TMB	REVISED -			290	2009-099BR	COOK/DUPAGE	309	7			
PLOT DATE = 11/13/2009	CHECKED - JMM	REVISED -			CONTRACT NO. 60157							
DATE = 10/16/09	REVISED -											
					SCALE: N.T.S.	SHEET NO. 2 OF 6 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			



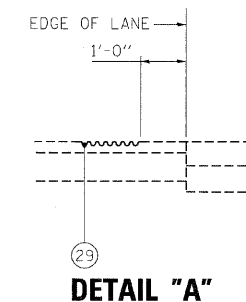
EXISTING TYPICAL SECTION

STA 347+60 TO STA 350+00



EXISTING TYPICAL SECTION

STA 372+00 TO STA 452+00



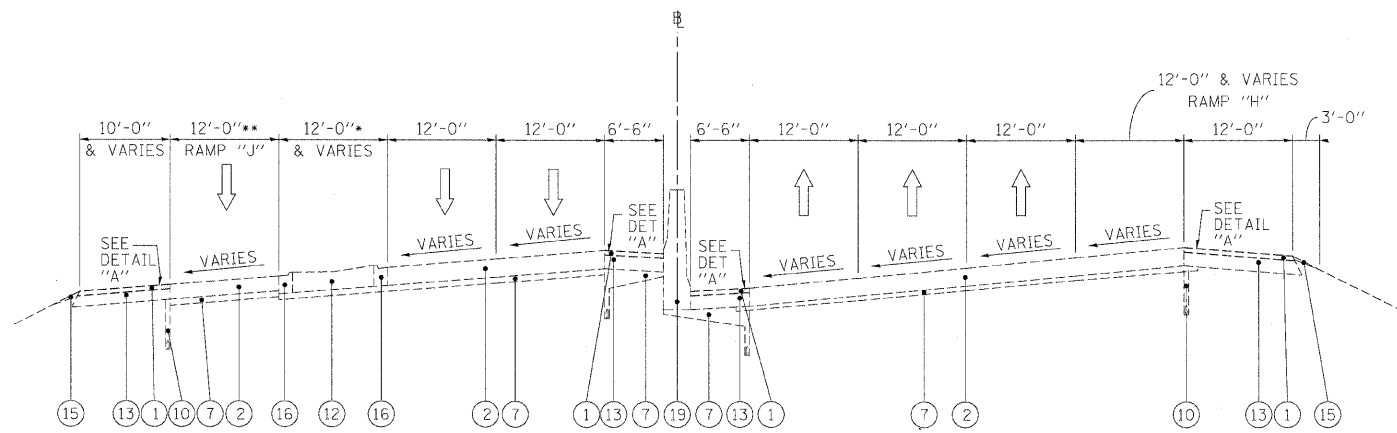
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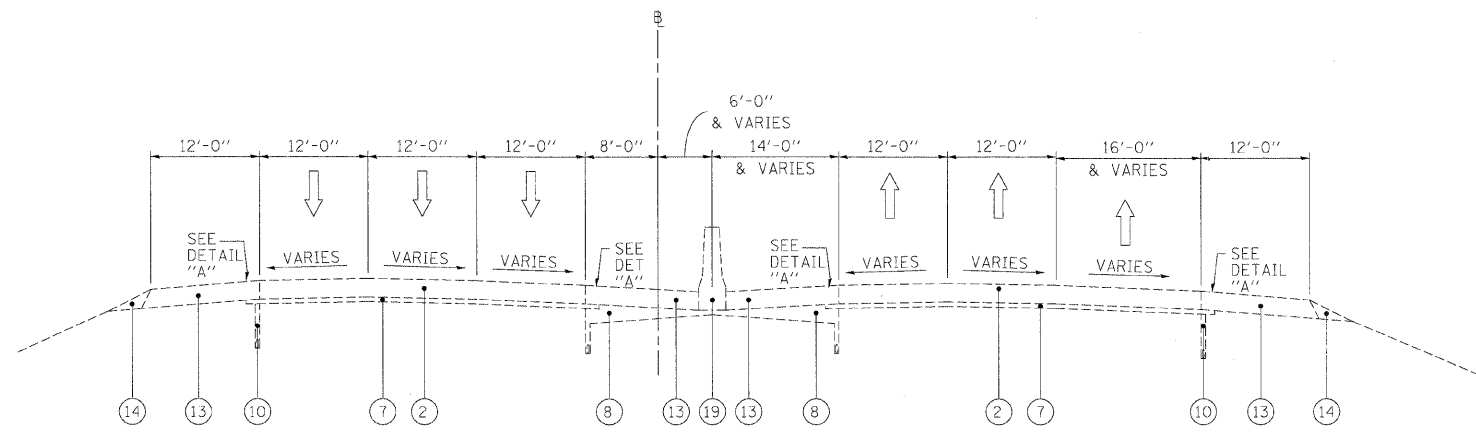
FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS I-290 MAINLINE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...Xprip1n-ABC.C4.395_n1.typ.23.dgn	DRAWN - TMB	REVISED -			290	2009-099BR	COOK/DUPAGE	309	8			
USER NAME = jmrjewski	CHECKED - JMM	REVISED -			SCALE: N.T.S. SHEET NO. 3 OF 6 SHEETS STA. TO STA.			CONTRACT NO. 60157				
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							



* 15 MEDIAN BEGINS AT STA 812+55
 ** 15 RAMP "J" MERGES AT STA 818+00

EXISTING TYPICAL SECTION

STA 452+00 TO STA 474+00



EXISTING TYPICAL SECTION

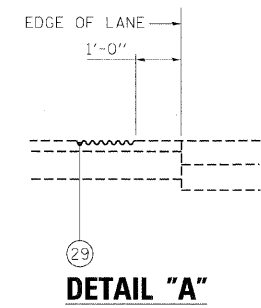
STA 475+00 TO STA 480+50

LEGEND

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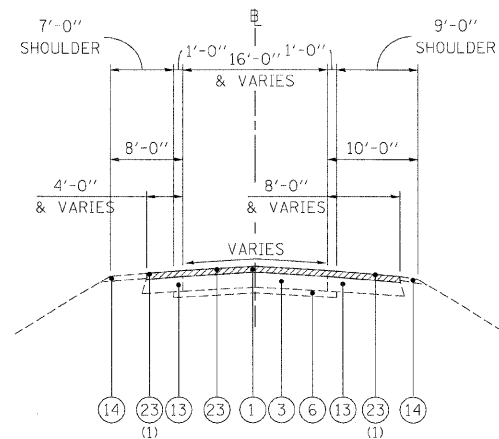
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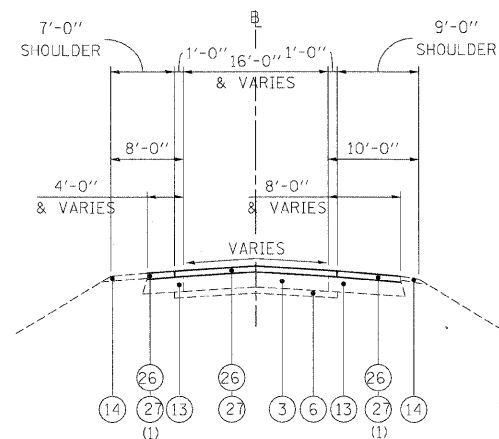
DETAIL "A"

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS I-290 MAINLINE	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \prip1n_abc_c4_355_m1_top_28.dgn	DRAWN - TMB	REVISED -				290	2009-0998R	COOK/DUPAGE	309	9
USER NAME = jmajewski	CHECKED - JMM	REVISED -				CONTRACT NO. 60157				
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
						SCALE: N.T.S.	SHEET NO. 4 OF 6 SHEETS	STA. TO STA.		



EXISTING TYPICAL SECTION

WB NORTH AVE TO WB FAI 290 STA 20+36.49 TO STA 24+00
 WB FAI 290 TO WB NORTH AVE STA 3+00 TO STA 9+74.73
 WB NORTH AVE TO EB FAI 290 STA 0+00 TO STA 7+45.09
 WB FAI 290 AVE TO EB LAKE ST STA 8+00 TO STA 24+10
 EB LAKE ST TO WB FAI 290 STA 0+00 TO STA 6+10.11



PROPOSED TYPICAL SECTION

WB NORTH AVE TO WB FAI 290 STA 20+36.49 TO STA 24+00
 WB FAI 290 TO WB NORTH AVE STA 3+00 TO STA 9+74.73
 WB NORTH AVE TO EB FAI 290 STA 0+00 TO STA 7+45.09
 WB FAI 290 AVE TO EB LAKE ST STA 8+00 TO STA 24+10
 EB LAKE ST TO WB FAI 290 STA 0+00 TO STA 6+10.11

(1) APPLIES ONNLY TO NB FAI 290 TO EB LAKE ST EXIT RAMP

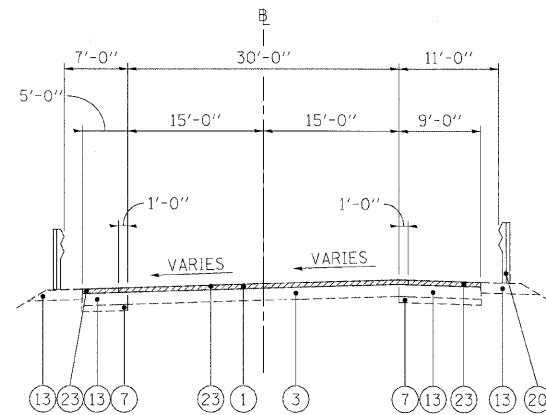
LEGEND

- ① EXISTING HMA OVERLAY, VARIES*
- ② EXISTING C.R.C. PAVEMENT, 12"
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NOTES:

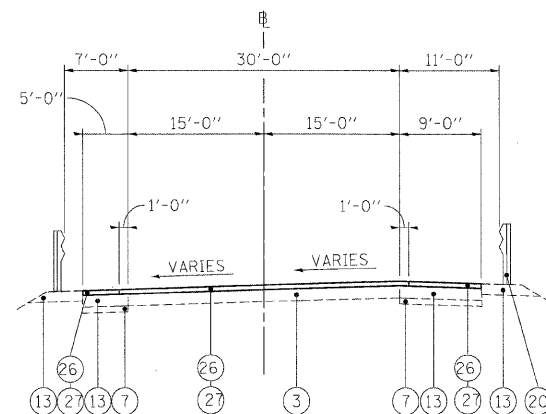
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2. THE EXISTING HMA IN THE FLAG OF THE CURB AND GUTTER SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST. THESE COSTS SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS MILLING AND RESURFACING OPERATIONS MEASURED TO THE EDGE OF THE SHOULDER.
3. THE COST OF HAND REMOVAL OF HMA SURFACE AROUND CASTINGS SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL OF THE THICKNESS SPECIFIED.

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS I-290 RAMPS		F.A.I. RTL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...:\prpln-ABC_C4_290_ramp.typ.03.dgn	DRAWN - TMB	REVISED -			290	2009-099BR	COOK/DUPAGE	309	10		
USER NAME = jmo.jewaki	CHECKED - JMM	REVISED -			CONTRACT NO. 60157						
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 5 OF 6 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION

EB FAI 290 TO EB NORTH AVE RAMP STA 11+00 TO STA 24+00
 SB FAI 290 TO EB NORTH AVE RAMP (INSIDE SHOULDER) STA 11+00 TO STA 15+65.62
 SB FAI 290 TO EB NORTH AVE (OUTSIDE SHOULDER) STA 11+00 TO STA 20+33.31



PROPOSED TYPICAL SECTION

EB FAI 290 TO EB NORTH AVE RAMP STA 11+00 TO STA 24+00
 SB FAI 290 TO EB NORTH AVE RAMP (INSIDE SHOULDER) STA 11+00 TO STA 15+65.62
 SB FAI 290 TO EB NORTH AVE (OUTSIDE SHOULDER) STA 11+00 TO STA 20+33.31

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 NOT USED
- ㉕ NOT USED
- 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)

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.

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS I-290 RAMPS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...:\prpln_abc_c4_290_ramp_typ_02.dgn	DRAWN - TMB	REVISED -			290	2009-099BR	COOK/DUPAGE	309	11			
USER NAME = jmojewski	CHECKED - JMM	REVISED -			CONTRACT NO. 60157							
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -	SCALE: N.T.S. SHEET NO. 6 OF 6 SHEETS STA. TO STA.			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT						

CONTRACT 60157 RESURFACING SCHEDULE							
LOCATION					HMA SURFACE COURSE, MIX D, N70	HMA BINDER COURSE, IL-19.0, N70	HMA SURFACE REMOVAL, 3 1/4"
ALIGNMENT	DIRECTION	DESCRIPTION	STATION	STATION	(TON)	(TON)	(SQ YD)
290	WB	RAMP OUTSIDE SHLDR	279+76	292+07	98	147	1,168
290	WB	RAMP INSIDE SHLDR	279+78	289+02	110	165	1,313
290	WB	RAMP PAVEMENT	279+78	294+03	640	960	7,620
290	WB	RAMP OUTSIDE SHLDR	283+02	288+99	47	71	562
290	WB	RAMP INSIDE SHLDR	283+45	294+03	79	119	944
290	WB	RAMP OUTSIDE SHLDR	292+30	294+07	88	133	1,053
290	EB	RAMP INSIDE SHLDR	302+42	308+03	65	97	770
290	EB	RAMP OUTSIDE SHLDR	302+43	308+12	67	101	801
290	EB	RAMP PAVEMENT	302+43	308+12	116	175	1,385
290	EB	RAMP OUTSIDE SHLDR	347+75	354+91	78	118	933
290	WB	RAMP PAVEMENT	347+75	355+71	290	435	3,452
290	EB	RAMP PAVEMENT	347+85	348+71	241	362	2,871
290	EB	RAMP INSIDE SHLDR	348+11	351+15	26	39	313
290	WB	RAMP OUTSIDE SHLDR	350+43	355+80	41	61	487
290	WB	RAMP INSIDE SHLDR	350+48	355+63	38	57	455
290	WB	RAMP PAVEMENT	350+48	355+63	79	119	942
290	EB	RAMP INSIDE SHLDR	350+49	353+54	19	29	232
290	EB	RAMP OUTSIDE SHLDR	350+51	353+62	20	31	243
290	WB	RAMP PAVEMENT	350+51	353+62	44	67	528
290	WB	RAMP INSIDE SHLDR	355+89	368+42	120	180	1,429
290	WB	RAMP PAVEMENT	356+00	368+42	213	320	2,537
290	WB	RAMP OUTSIDE SHLDR	356+10	368+44	120	180	1,427
290	WB	RAMP INSIDE SHLDR	356+90	359+54	30	44	353
290	WB	RAMP PAVEMENT	356+90	359+70	40	60	473
290	WB	RAMP INSIDE SHLDR	359+80	360+24	28	42	333
290	WB	RAMP PAVEMENT	359+80	360+24	30	46	363
290	WB	RAMP OUTSIDE SHLDR	359+92	360+37	14	20	162
TOTAL					2,785	4,177	33,151

FILE NAME =	DESIGNED - AJP	REVISED -
#FILE#	DRAWN - TMB	REVISED -
USER NAME = #USER#	CHECKED - JMM	REVISED -
PLOT DATE = #DATE#	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	12
CONTRACT NO. 60157			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

CONTRACT 60157
BARRIER, GUARD RAIL, & CURB SCHEDULE

LOCATION				STEEL PLATE BEAM GUARD RAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	CONCRETE BARRIER REMOVAL AND REPLACEMENT, SINGLE FACE	CONCRETE BARRIER REMOVAL AND REPLACEMENT, DOUBLE FACE	COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
ALIGNMENT	DIRECTION	SIDE	STATION	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
290		Center	267+50				5		
290		Center	267+70				5		
290		Center	271+10				15		
290		Center	273+80				5		
290		Center	275+20				5		
290		Center	276+10				5		
290		Center	277+00				5		
290		Center	279+00				5		
290		Center	280+20				5		
290		Center	281+00				5		
290		Center	281+50				5		
290		Center	288+30				5		
290		Center	295+60				10		
290	WB	L	303+50				10		
290	WB	L	317+50				15		
290	EB	R	331+95			5			
290	EB	R	333+90			10			
290	EB	R	334+75			5			
290		Center	349+90				5		
290		Center	354+15				5		
290		Center	355+90				10		
290		Center	356+05				5		
290		Center	356+90				10		
290		Center	358+10				20		
290		Center	359+10				5		
290		Center	360+00				5		
290		Center	360+50				5		
290		Center	360+95				25		
290		Center	361+90				5		
290		Center	362+05				5		
290		Center	366+30				20		
290		Center	368+00				5		
290		Center	370+00				5		
290		Center	371+80				10		
290		Center	376+10				5		
290		Center	376+80				5		
290		Center	378+15				5		
290		Center	378+15				10		
290	WB	L	378+90				10		
290	EB	R	379+60			5			
290		Center	381+80				5		
290		Center	389+20				5		
290		Center	389+20				5		
290		Center	399+40				5		
290		Center	410+05				5		
290	EB	R	413+60	12.5	12.5				
290		Center	417+20				10		
290		Center	417+70				10		
290		Center	422+00				5		
290	EB	R	427+80						10
290	WB	L	429+50						10
290		Center	429+95				5		
290	WB	L	430+20						5
290	EB	R	432+70						5
290	EB	R	433+10	25	25				
290	EB	R	434+80	25	25				
290		Center	437+80				5		
290	EB	R	438+80			2			
290	EB	R	439+80			5			
290	EB	R	441+60			5			
290		Center	442+00				15		
290		Center	443+50				5		
290		Center	443+90				10		
290	WB	L	451+00	12.5	12.5				
290		Center	451+10				30		
290	WB	L	452+50						5
290	WB	L	453+70					25	

LOCATION				STEEL PLATE BEAM GUARD RAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	CONCRETE BARRIER REMOVAL AND REPLACEMENT, SINGLE FACE	CONCRETE BARRIER REMOVAL AND REPLACEMENT, DOUBLE FACE	COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
ALIGNMENT	DIRECTION	SIDE	STATION	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
290		Center	454+70						10
290		Center	454+70						35
290	WB	L	455+00						10
290		Center	455+30						45
290		Center	457+90						5
290	EB	R	458+20						10
290	EB	R	458+50						15
290	EB	R	458+90						10
290		L	459+50						10
290		L	461+00						30
290		L	461+10						70
290		L	461+50						50
290		L	462+70						10
290		L	463+50						5
290		Center	466+20						10
290		Center	466+20						15
290		L	466+50						21
290		Center	466+50						10
290		L	467+00						21
290		Center	467+30						40
290		Center	468+20						5
290		Center	471+20						5
290		Center	471+60						5
290		Center	473+00						25
290		L							10
290	WB	L							200
290	WB	R							200
290		L							8
290		L							268
290		R							137
TOTAL				75	75	37	650	1,022	88

CONTRACT 60157
TEMPORARY INFORMATION SIGNING - STAGE 1

SIGN NO.	STATION	LEGEND/DESCRIPTION	PANEL		PANEL COVER AREA (SQ FT)
			COVER DIMENSIONS WIDTH (FT)	HEIGHT (FT)	
N/A	N/A	IL 64 EAST TRUCKS - 290 20 - CHICAGO	2.0	2.0	4.0
WB-TR-29	296+60	EXIT 12 - 20 WEST YORK ROAD - IL 64 DETOUR	11.0	7.0	80.0
WB-TR-29	296+60	EXIT 12 - 20 WEST YORK ROAD - RIGHT LANE	29.0	2.5	72.5
WB-TR-28	296+60	290 WEST - ROCKFORD	6.0	6.0	36.0
EB-TR-26	314+80	EXIT 15A - 290 EAST 294 SOUTH TOLLWAY - CHICAGO INDIANA	2.0	2.0	4.0
WB-TR-31	321+05	EXIT 12 - 20 WEST YORK ROAD - IL 64 DETOUR	11.0	7.0	80.0
WB-TR-31	321+05	EXIT 12 - 20 WEST YORK ROAD - RIGHT COVER	2.0	2.0	4.0
WB-TR-30	321+05	290 WEST - ROCKFORD	2.0	2.0	4.0
WB-BM-32	327+80	IL 64 WEST - TRUCK ROUTE - KEEP RIGHT	15.5	2.0	31.0
EB-TR-29	335+40	EXIT 15A - 290 EAST 294 SOUTH TOLLWAY - CHICAGO INDIANA	2.0	2.0	4.0
EB-TR-30	335+40	EXIT 13A - IL 64 20 EAST 294 NORTH TOLLWAY - NORTH AVE - LAKE ST - MILWAUKEE	4.0	4.0	16.0
WB-GM-33	343+20	IL 64 WEST - TRUCK ROUTE - EXIT 12	15.5	2.0	31.0
WB-TR-37	354+50	EXIT 13B - IL 64 WEST - NORTH AVE	13.0	2.5	32.5
WB-TR-40	373+00	EXIT 13B - IL 64 WEST - NORTH AVE - 1/4 MILE	13.0	2.5	32.5
WB-CL-42	383+90	IL 64 WEST - THRU TRUCKS - USE EXIT 12	15.5	2.0	31.0
WB-TR-43	391+50	EXIT 13B - IL 64 WEST - NORTH AVE - 3/4 MILE	13.0	2.5	32.5
EB-TR-44	445+40	EXIT 17 - 12 20 45 - MANNHEIM RD - 1 MILE - EXIT ONLY	17.5	2.0	35.0
EB-CL-47	468+60	EXIT 17 - 12 20 45 - MANNHEIM RD - EXIT ONLY	17.5	2.0	35.0
WB-TR-56	474+80	294 NORTH ONLY	10.0	2.5	25.0
WB-TR-58	484+20	294 NORTH EXIT ONLY - RIGHT LANE	17.5	2.0	35.0
WB-CL-59	489+90	294 NORTH EXIT ONLY	17.5	2.0	35.0
N/A	N/A	290 2010 - REPAIR & - RESURFACING - THORNDALE TO DOWNTOWN - EXPECT DELAYS	17.0	9.0	306.0
N/A	409+50	LEFT LANE - NEXT EXIT - 20 WEST - LAKE ST - YORK RD RIGHT LANE - ALL - EXITS	21.2	10.5	222.2
TOTAL					1184.2

CONTRACT 60157
RUMBLE STRIP SCHEDULE

I-290 EASTBOUND AND WESTBOUND - INSIDE AND OUTSIDE SHOULDERS			
STATION TO STATION		RUMBLE STRIP LENGTH (FOOT)	SHOULDER SURFACE TYPE
START	END		
267+40	272+10	470	HMA
272+10	295+00	2,290	HMA
295+00	336+00	4,100	HMA
336+00	347+60	1,160	HMA
347+60	350+00	240	HMA
350+00	372+00	2,200	HMA
372+00	452+00	8,000	HMA
452+00	474+00	2,200	HMA
474+00	480+50	650	HMA
TOTAL		21,310	

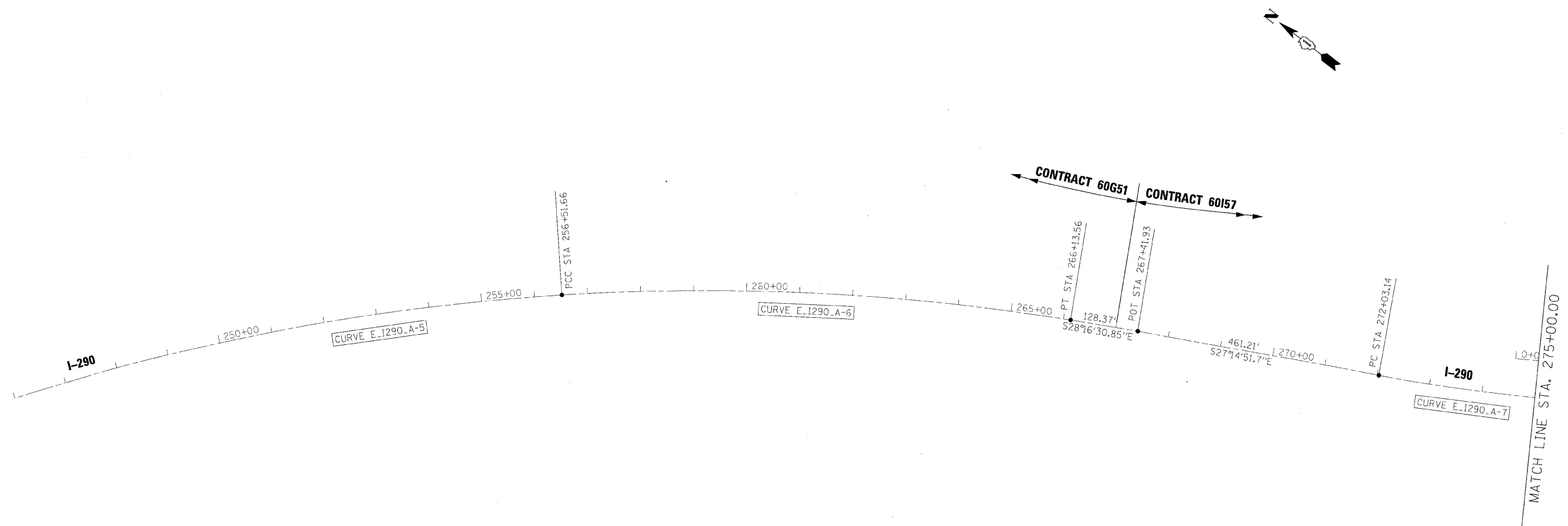
CONTRACT 60157
TEMPORARY INFORMATION SIGNING - STAGE 2

SIGN NO.	STATION	LEGEND/DESCRIPTION	PANEL		PANEL COVER AREA (SQ FT)
			COVER DIMENSIONS WIDTH (FT)	HEIGHT (FT)	
WB-TR-28	296+60	290 WEST - ROCKFORD	29.0	2.5	72.5
WB-TR-29	296+60	EXIT 12 - 20 WEST YORK ROAD - LAKE ST - EXIT ONLY	2.0	2.0	6.0
EB-TR-26	314+80	EXIT 15A - 290 EAST 294 SOUTH TOLLWAY - CHICAGO INDIANA	2.0	2.0	4.0
WB-TR-40	373+00	IL 64 WEST 1/4 MILE	17.5	2.0	35.0
WB-TR-57	484+20	290 WEST - ROCKFORD	2.0	2.0	4.0
TOTAL					121.5

SIGN NO.	STATION	LEGEND/DESCRIPTION	PANEL		PANEL COVER AREA (SQ FT)
			COVER DIMENSIONS WIDTH (FT)	HEIGHT (FT)	
EB-TR-26	314+80	EXIT 15A - 290 EAST 294 SOUTH TOLLWAY - CHICAGO INDIANA	2.0	2.0	4.0
EB-TR-29	335+40	EXIT 15A - 290 EAST 294 SOUTH TOLLWAY - CHICAGO INDIANA	2.0	2.0	4.0
WB-CL-59	489+90	EXIT 15B - 294 NORTH - TOLLWAY - MILWAUKEE - EXIT ONLY	14.0	2.5	35.0
TOTAL					43.0

CONTRACT 60157
TEMPORARY PAVEMENT MARKING AND TEMPORARY IMPACT ATTENUATOR SCHEDULE

STAGE	WET REFLECTIVE TEMPORARY TAPE, TYPE III, LETTERS AND SYMBOLS (SQ FT)	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH (FOOT)	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5 INCH (FOOT)	TEMPORARY PAVEMENT MARKING - LINE 6" (FOOT)	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 8 INCH (FOOT)	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 12 INCH (FOOT)	PAVEMENT MARKING REMOVAL (SQ FT)	EPOXY PAVEMENT MARKING - LINE 4 INCH	EPOXY PAVEMENT MARKING - LINE 5 INCH	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 (EACH)	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 (EACH)	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, WIDE), TEST LEVEL 3 (EACH)	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 (EACH)
1	545	57,681	80,949	8,664	39,253	6,836	34,133			12			
2	0	53,539	9,936	13,717	44,548	6,552	15,152			2	2		11
3	0	93,265	24,153	3,127	28,794	7,008	0	66,000	6,600				2
TOTAL	545	204,484	115,038	25,508	112,594	20,396	49,285	66,000	6,600	12	2	2	13



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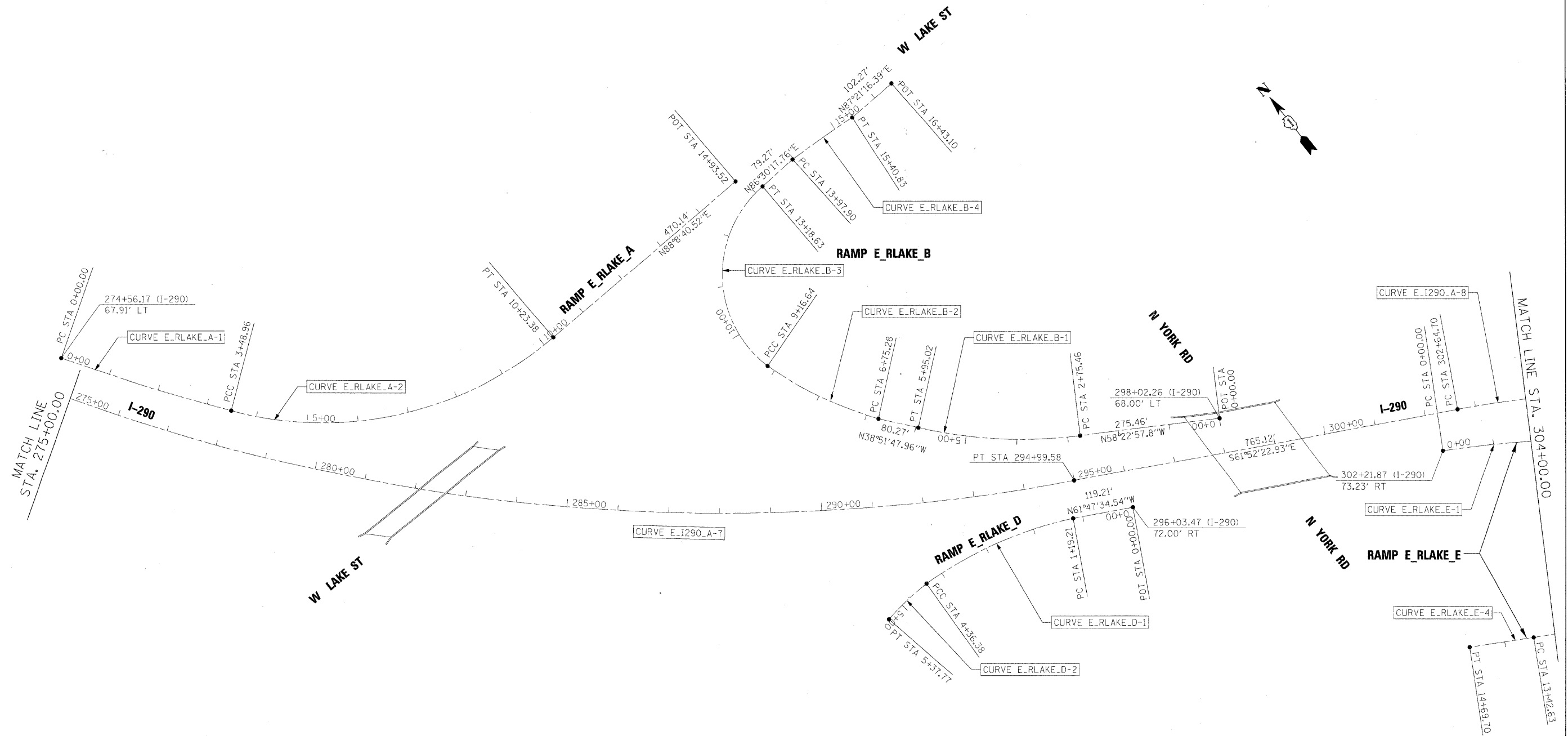
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 MAINLINE**

SCALE: 1"=100' SHEET NO. 1 OF 26 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	15
CONTRACT NO. 60I57				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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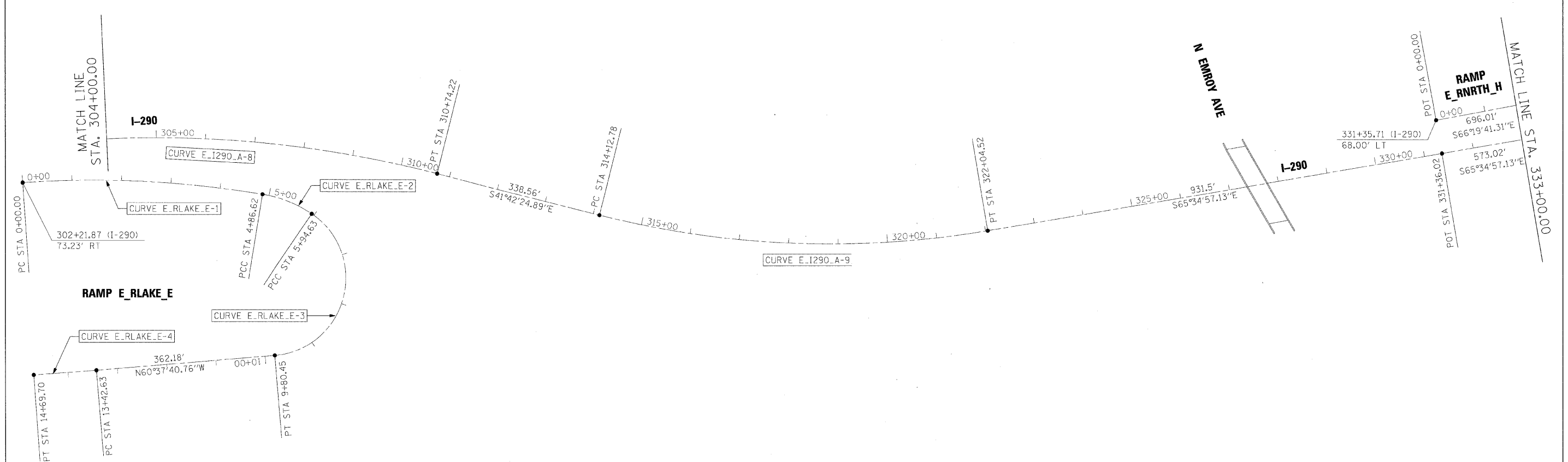
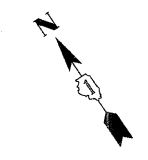
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 MAINLINE**

SCALE: 1"=100' SHEET NO. 2 OF 26 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	16
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60157	



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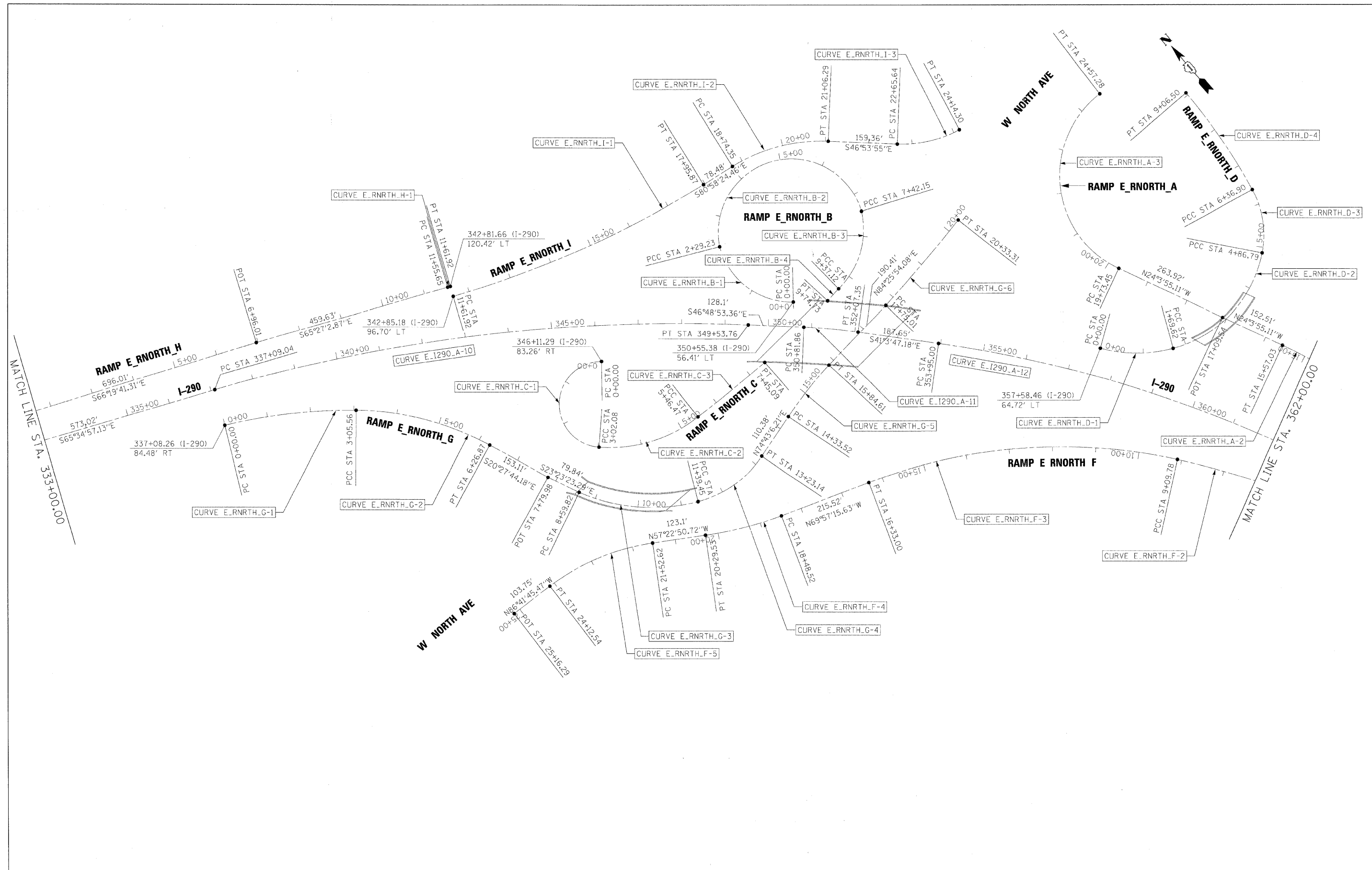
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 MAINLINE**

SCALE: 1"=100' SHEET NO. 3 OF 26 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



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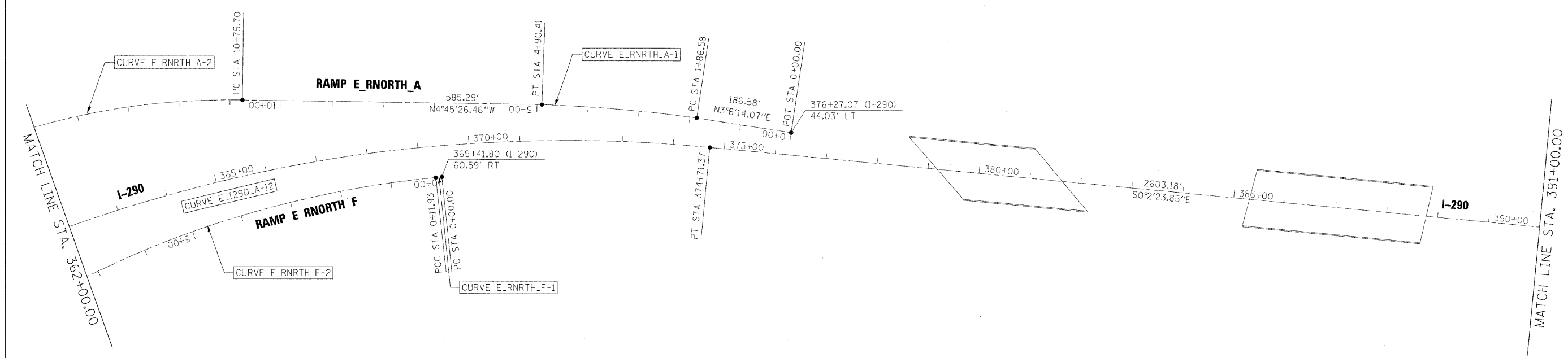
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 MAINLINE**

SCALE: 1"=100' SHEET NO. 4 OF 26 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	18
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



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benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 MAINLINE**

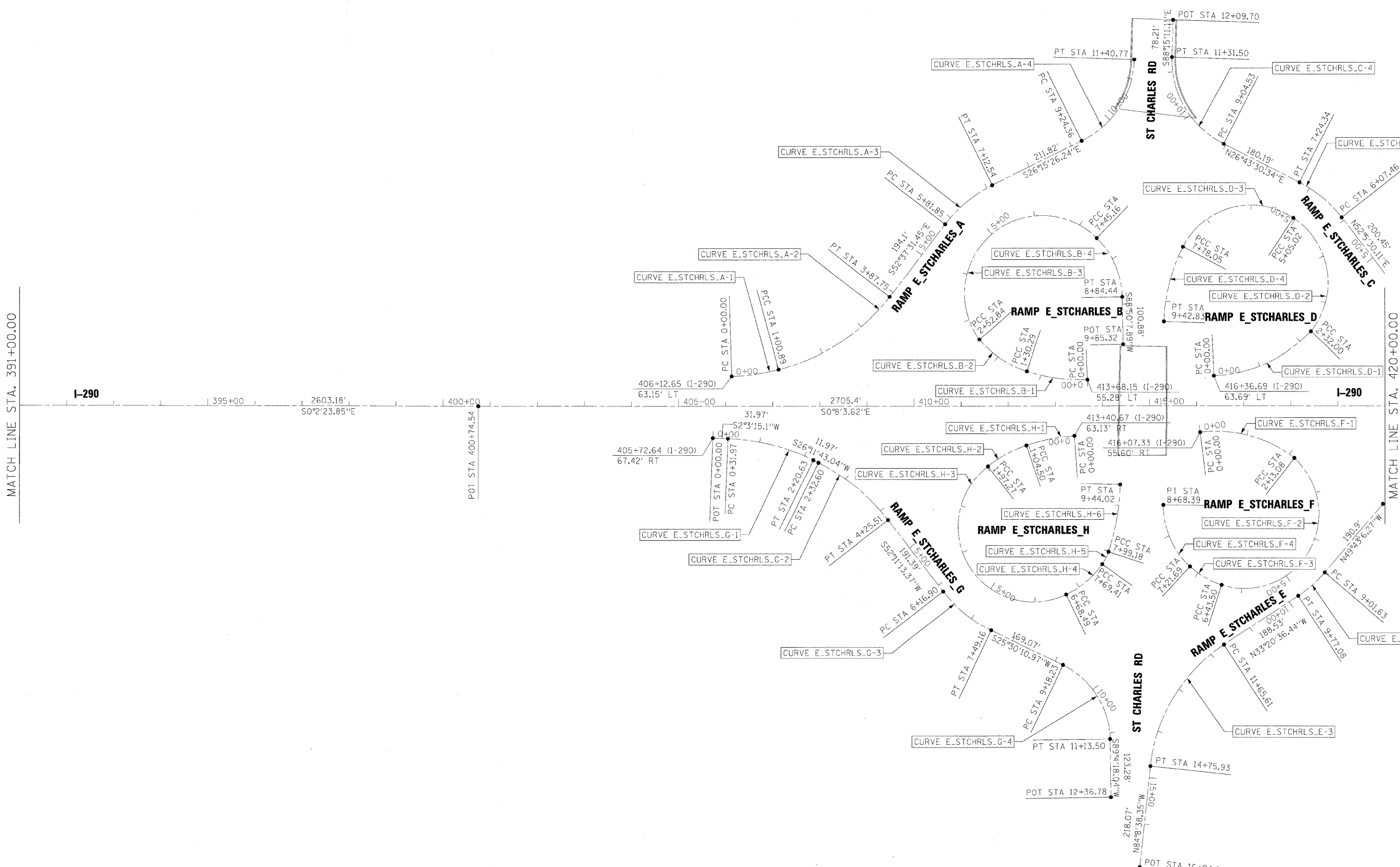
SCALE: 1"=100' SHEET NO. 5 OF 26 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	19
CONTRACT NO. 60157				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



MATCH LINE STA. 391+00.00

MATCH LINE STA. 420+00.00



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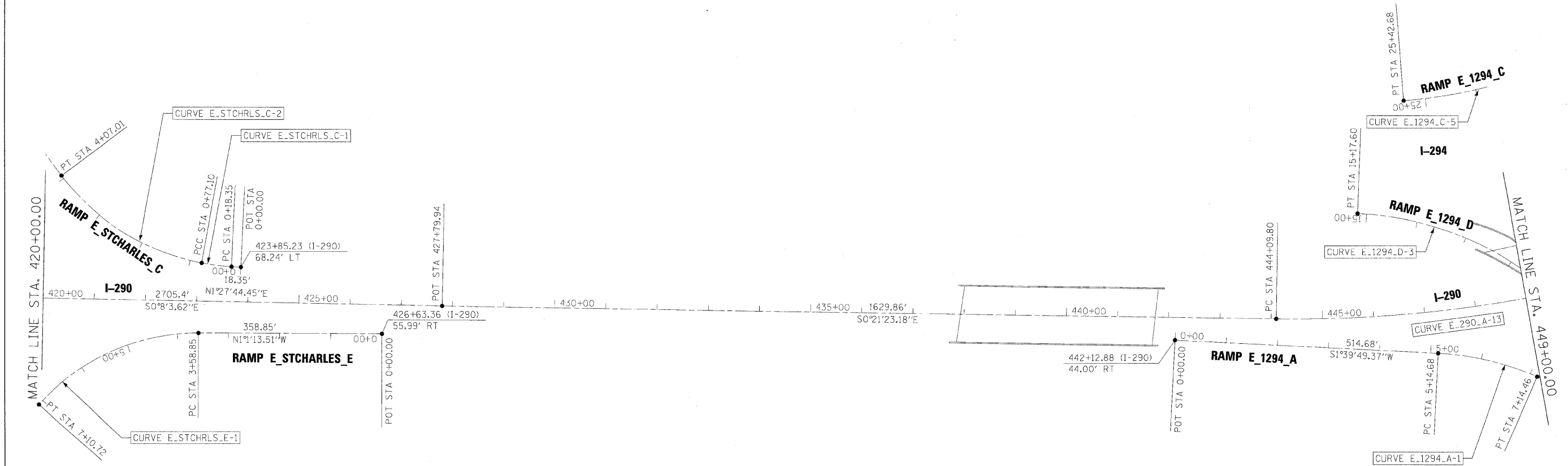
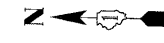
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 MAINLINE**

SCALE: 1"=100' SHEET NO. 6 OF 26 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	20
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



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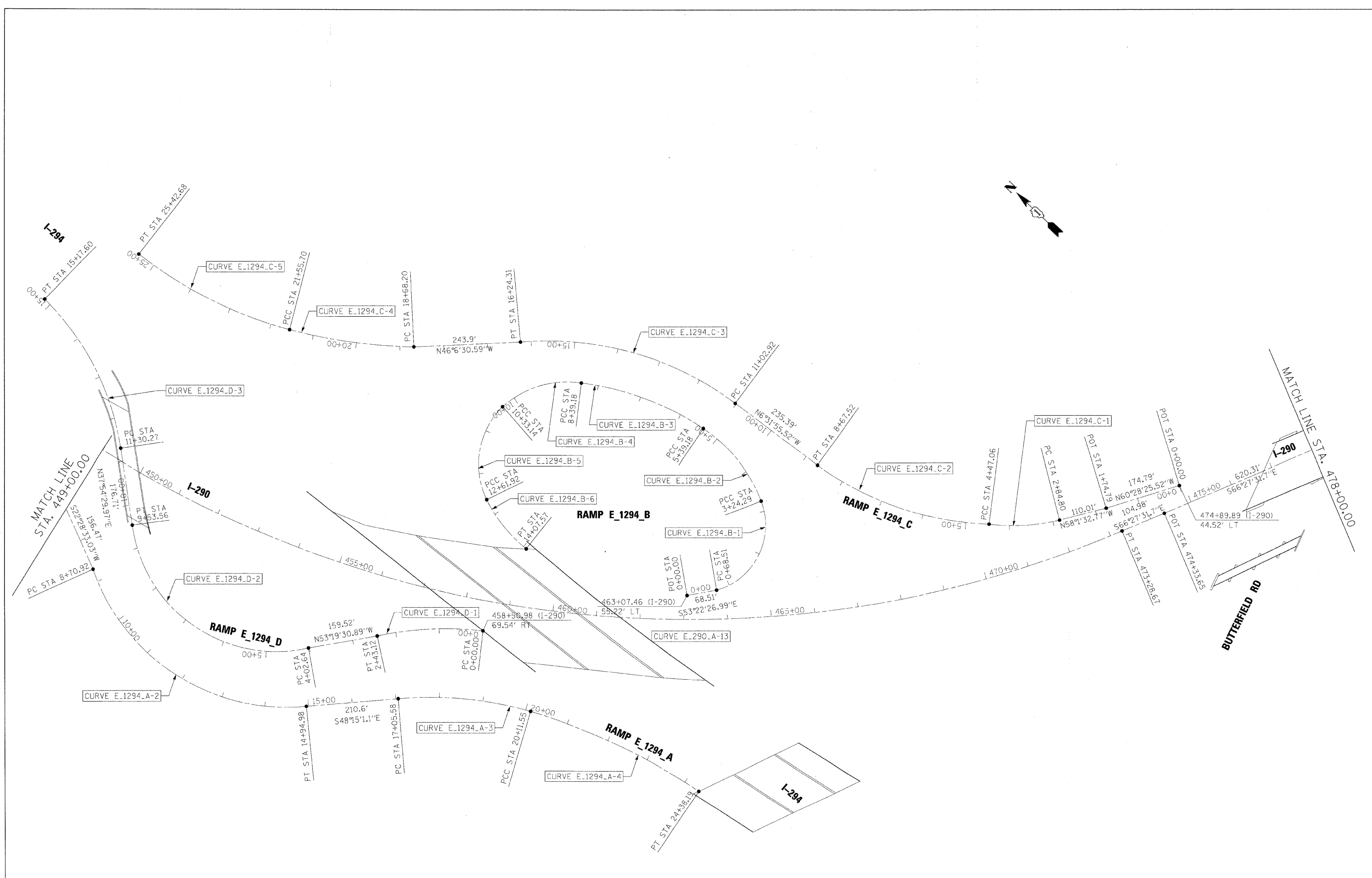
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


**ALIGNMENT PLAN
I-290 MAINLINE**

SCALE: 1"=100' SHEET NO. 7 OF 26 SHEETS STA. TO STA.

F.A.T. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	21
CONTRACT NO. 60157				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

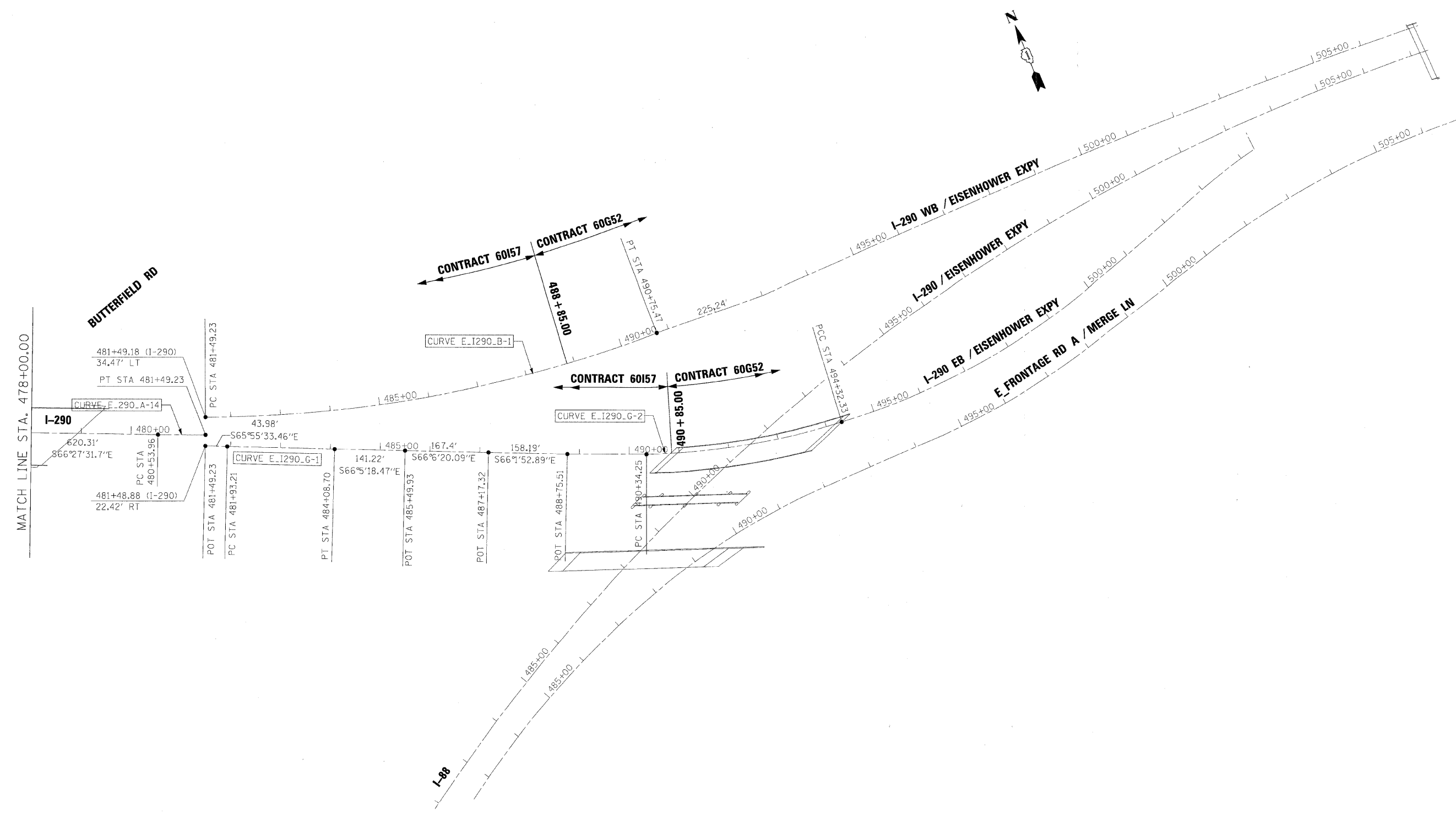


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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT PLAN	
I-290 MAINLINE	
SCALE: 1"=100'	SHEET NO. 8 OF 26 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	22
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60157	



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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 MAINLINE**

SCALE: 1"=100' SHEET NO. 9 OF 26 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	23
CONTRACT NO. 60157				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

I-290

Curve Data

Curve E I290 A-1
P.I. Station = 7+55.58 N
Delta = 39°46' 10.88" (LT)
Degree = 2° 44' 33.85"
Tangent = 755.5825
Length = 1,450.0000
Radius = 2,089.0000
External = 132.4468
Long Chord = 1,421.0666
Mid. Ord. = 124.5501
P.C. Station = 0+00.00 N
P.T. Station = 14+50.00 N
C.C. = 7+25.00 N
Back = S 20° 28' 37.87" E
Ahead = S 60° 14' 48.75" E
Chord Bear = S 40° 21' 43.31" E

Course from PT E I290 A-1 to PC E I290 A-2 S 60° 14' 48.75" E Dist 595.6299

Curve Data

Curve E I290 A-2
P.I. Station = 20+90.05 N
Delta = 0° 29' 34.80" (RT)
Degree = 0° 33' 17.72"
Tangent = 44.4208
Length = 88.8410
Radius = 10,325.0000
External = 0.0956
Long Chord = 88.8407
Mid. Ord. = 0.0956
P.C. Station = 20+45.63 N
P.T. Station = 21+34.47 N
C.C. = 20+50.00 N
Back = S 60° 14' 48.75" E
Ahead = S 59° 45' 13.96" E
Chord Bear = S 60° 00' 01.36" E

Course from PT E I290 A-2 to PC E I290 A-3 S 59° 45' 13.96" E Dist 9,542.3850

Curve Data

Curve E I290 A-3
P.I. Station = 133+55.93 N
Delta = 32° 43' 06.91" (RT)
Degree = 1° 00' 06.03"
Tangent = 1,679.0725
Length = 3,266.3891
Radius = 5,720.0000
External = 241.3492
Long Chord = 3,222.1883
Mid. Ord. = 231.5780
P.C. Station = 116+76.86 N
P.T. Station = 149+43.24 N
C.C. = 137+10.05 N
Back = S 59° 45' 13.96" E
Ahead = S 27° 02' 07.05" E
Chord Bear = S 43° 23' 40.50" E

Course from PT E I290 A-3 to PC E I290 A-4 S 27° 02' 07.05" E Dist 848.5422

I-290

Curve Data

Curve E I290 A-4
P.I. Station = 181+64.83 N
Delta = 54° 46' 48.94" (LT)
Degree = 1° 15' 03.60"
Tangent = 2,373.0457
Length = 4,378.9193
Radius = 4,580.0000
External = 578.2697
Long Chord = 4,214.0291
Mid. Ord. = 513.4425
P.C. Station = 157+91.79 N
P.T. Station = 201+70.71 N
C.C. = 179+31.25 N
Back = S 27° 02' 07.05" E
Ahead = S 81° 48' 55.99" E
Chord Bear = S 54° 25' 31.52" E

Course from PT E I290 A-4 to PC E I290 A-5 S 81° 48' 55.99" E Dist 2,452.7307

Curve Data

Curve E I290 A-5
P.I. Station = 242+04.37 N
Delta = 40° 38' 00.05" (RT)
Degree = 1° 20' 30.56"
Tangent = 1,580.9337
Length = 3,028.2229
Radius = 4,270.0000
External = 283.2682
Long Chord = 2,965.1611
Mid. Ord. = 265.6455
P.C. Station = 226+23.44 N
P.T. Station = 256+51.66 N
C.C. = 241+37.55 N
Back = S 81° 48' 55.99" E
Ahead = S 41° 10' 55.94" E
Chord Bear = S 61° 29' 55.96" E

Curve Data

Curve E I290 A-6
P.I. Station = 261+34.65 N
Delta = 12° 54' 25.09" (RT)
Degree = 1° 20' 30.56"
Tangent = 482.9938
Length = 961.8991
Radius = 4,269.9999
External = 27.2297
Long Chord = 959.8666
Mid. Ord. = 27.0571
P.C. Station = 256+51.66 N
P.T. Station = 266+13.56 N
C.C. = 261+34.65 N
Back = S 41° 10' 55.94" E
Ahead = S 28° 16' 30.85" E
Chord Bear = S 34° 43' 43.40" E

Course from PT E I290 A-6 to PC E I290 A-7 S 28° 16' 30.85" E Dist 128.3696

Point 51 N 1,913,828.9782 E 1,089,270.7776 Sta 267+41.93

Course from 51 to PC E I290 A-7 S 27° 14' 51.70" E Dist 461.2079

I-290

Curve Data

Curve E I290 A-7
P.I. Station = 283+87.63 N
Delta = 34°37' 31.23" (LT)
Degree = 1° 30' 28.02"
Tangent = 1,184.4901
Length = 2,296.4396
Radius = 3,800.0000
External = 180.3287
Long Chord = 2,261.6536
Mid. Ord. = 172.1589
P.C. Station = 272+03.14 N
P.T. Station = 294+99.58 N
C.C. = 283+51.36 N
Back = S 27° 14' 51.70" E
Ahead = S 61° 52' 22.93" E
Chord Bear = S 44° 33' 37.31" E

Course from PT E I290 A-7 to PC E I290 A-8 S 61° 52' 22.93" E Dist 765.1205

Curve Data

Curve E I290 A-8
P.I. Station = 306+73.69 N
Delta = 20° 09' 58.04" (RT)
Degree = 2° 29' 28.04"
Tangent = 408.9909
Length = 809.5200
Radius = 2,300.0000
External = 36.0808
Long Chord = 805.3480
Mid. Ord. = 35.5235
P.C. Station = 302+64.70 N
P.T. Station = 310+74.22 N
C.C. = 306+69.47 N
Back = S 61° 52' 22.93" E
Ahead = S 41° 42' 24.89" E
Chord Bear = S 51° 47' 23.91" E

Course from PT E I290 A-8 to PC E I290 A-9 S 41° 42' 24.89" E Dist 338.5585

Curve Data

Curve E I290 A-9
P.I. Station = 318+14.48 N
Delta = 23° 52' 32.24" (LT)
Degree = 3° 00' 56.04"
Tangent = 401.7025
Length = 791.7456
Radius = 1,900.0000
External = 42.0002
Long Chord = 786.0295
Mid. Ord. = 41.0919
P.C. Station = 314+12.78 N
P.T. Station = 322+04.52 N
C.C. = 318+13.63 N
Back = S 41° 42' 24.89" E
Ahead = S 65° 34' 57.13" E
Chord Bear = S 53° 38' 41.01" E

Course from PT E I290 A-9 to PC E I290 A-10 S 65° 34' 57.13" E Dist 931.4999

Point 52 N 1,909,844.8807 E 1,094,082.8821 Sta 331+36.02

Course from 52 to PC E I290 A-10 S 65° 34' 57.13" E Dist 573.0208

I-290

Curve Data

Curve E I290 A-10
 P.I. Station = 343+37.03 N 1,909,348.4062 E 1,095,176.4681
 Delta = 18° 46' 03.76" (RT)
 Degree = 1° 30' 28.02"
 Tangent = 627.9859
 Length = 1,244.7218
 Radius = 3,800.0000
 External = 51.5408
 Long Chord = 1,239.1646
 Mid. Ord. = 50.8511
 P.C. Station = 337+09.04 N 1,909,608.0042 E 1,094,604.6507
 P.T. Station = 349+53.76 N 1,908,918.6387 E 1,095,634.3613
 C.C. = N 1,906,147.8850 E 1,093,033.7990
 Back = S 65° 34' 57.13" E
 Ahead = S 46° 48' 53.36" E
 Chord Bear = S 56° 11' 55.24" E

Course from PT E I290 A-10 to PC E I290 A-11 S 46° 48' 53.36" E Dist 128.1003

Curve Data

Curve E I290 A-11
 P.I. Station = 351+44.66 N 1,908,787.9984 E 1,095,773.5512
 Delta = 5° 45' 06.19" (RT)
 Degree = 4° 35' 01.18"
 Tangent = 62.7943
 Length = 125.4830
 Radius = 1,250.0000
 External = 1.5763
 Long Chord = 125.4303
 Mid. Ord. = 1.5743
 P.C. Station = 350+81.86 N 1,908,830.9722 E 1,095,727.7651
 P.T. Station = 352+07.35 N 1,908,740.6523 E 1,095,814.8001
 C.C. = N 1,907,919.5400 E 1,094,872.3170
 Back = S 46° 48' 53.36" E
 Ahead = S 41° 03' 47.18" E
 Chord Bear = S 43° 56' 20.27" E

Course from PT E I290 A-11 to PC E I290 A-12 S 41° 03' 47.18" E Dist 187.6504

Curve Data

Curve E I290 A-12
 P.I. Station = 364+79.93 N 1,907,781.1413 E 1,096,650.7475
 Delta = 41° 01' 23.33" (RT)
 Degree = 1° 58' 32.58"
 Tangent = 1,084.9333
 Length = 2,076.3681
 Radius = 2,900.0000
 External = 196.3011
 Long Chord = 2,032.3002
 Mid. Ord. = 183.8559
 P.C. Station = 353+95.00 N 1,908,599.1664 E 1,095,938.0658
 P.T. Station = 374+71.37 N 1,906,696.2083 E 1,096,651.5041
 C.C. = N 1,906,694.1859 E 1,093,751.5048
 Back = S 41° 03' 47.18" E
 Ahead = S 0° 02' 23.85" E
 Chord Bear = S 20° 33' 05.51" E

Course from PT E I290 A-12 to 53 S 0° 02' 23.85" E Dist 2,603.1794

Point 53 N 1,904,093.0295 E 1,096,653.3195 Sta 400+74.54

Course from 53 to 54 S 0° 08' 03.62" E Dist 2,705.3980

Point 54 N 1,901,387.6389 E 1,096,659.6627 Sta 427+79.94

Course from 54 to PC E I290 A-13 S 0° 21' 23.18" E Dist 1,629.8596

I-290

Curve Data

Curve E I290 A-13
 P.I. Station = 460+56.02 N 1,898,111.6264 E 1,096,680.0431
 Delta = 66° 06' 08.52" (LT)
 Degree = 2° 15' 52.76"
 Tangent = 1,646.2164
 Length = 2,918.8710
 Radius = 2,530.0000
 External = 488.4314
 Long Chord = 2,759.6634
 Mid. Ord. = 409.3953
 P.C. Station = 444+09.80 N 1,899,757.8109 E 1,096,669.8020
 P.T. Station = 473+28.67 N 1,897,454.1139 E 1,098,189.2500
 C.C. = N 1,899,773.5499 E 1,099,199.7531
 Back = S 0° 21' 23.18" E
 Ahead = S 66° 27' 31.70" E
 Chord Bear = S 33° 24' 27.44" E

Course from PT E I290 A-13 to 55 S 66° 27' 31.70" E Dist 104.9809

Point 55 N 1,897,412.1837 E 1,098,285.4937 Sta 474+33.65

Course from 55 to PC E I290 A-14 S 66° 27' 31.70" E Dist 620.3060

Curve Data

Curve E I290 A-14
 P.I. Station = 481+01.60 N 1,897,145.4021 E 1,098,897.8449
 Delta = 0° 52' 50.08" (LT)
 Degree = 0° 55' 27.47"
 Tangent = 47.6359
 Length = 95.2700
 Radius = 6,198.8400
 External = 0.1830
 Long Chord = 95.2691
 Mid. Ord. = 0.1830
 P.C. Station = 480+53.96 N 1,897,164.4283 E 1,098,854.1736
 P.T. Station = 481+49.23 N 1,897,127.0493 E 1,098,941.8035
 C.C. = N 1,902,847.3583 E 1,101,330.0418
 Back = S 66° 27' 31.70" E
 Ahead = S 67° 20' 21.78" E
 Chord Bear = S 66° 53' 56.74" E

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 11 OF 26 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				

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. N 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

I-290 EB

Point 1530 N 1,897,106.4907 E 1,098,932.8419 Sta 481+49.23

Course from 1530 to PC E.I290_G-1 S 65° 55' 33.46" E Dist 43.9754

Curve Data

Curve E.I290_G-1
 P.I. Station 483+00.96 N 1,897,044.8049 E 1,099,071.4615
 Delta = 0° 20' 14.28" (RT)
 Degree = 0° 09' 23.47"
 Tangent = 107.7499
 Length = 215.4993
 Radius = 36,606.0476
 External = 0.1586
 Long Chord = 215.4990
 Mid. Ord. = 0.1586
 P.C. Station 481+93.21 N 1,897,088.5524 E 1,098,972.9922
 P.T. Station 484+08.70 N 1,897,000.4785 E 1,099,169.6716
 C.C. N 1,863,635.4281 E 1,084,110.5834
 Back = S 66° 02' 44.11" E
 Ahead = S 65° 42' 29.84" E
 Chord Bear = S 65° 52' 36.97" E

Course from PT E.I290_G-1 to 1531 S 66° 05' 18.47" E Dist 141.2215

Point 1531 N 1,896,943.2378 E 1,099,298.7724 Sta 485+49.93

Course from 1531 to 1532 S 66° 06' 20.09" E Dist 167.3980

Point 1532 N 1,896,875.4328 E 1,099,451.8232 Sta 487+17.32

Course from 1532 to 1533 S 66° 01' 52.89" E Dist 158.1878

Point 1533 N 1,896,811.1711 E 1,099,596.3702 Sta 488+75.51

Course from 1533 to PC E.I290_G-2 S 67° 13' 31.64" E Dist 158.7336

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. N 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

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 12 OF 26 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

RAMP E_RLAKE_A

Curve Data

Curve E RLAKE A-1
 P.I. Station = 1+74.57 N 1,913,085.1480 E 1,089,756.1001
 Delta = 4° 33' 56.03" (LT)
 Degree = 1° 18' 29.98"
 Tangent = 174.5741
 Length = 348.9634
 Radius = 4,379.3180
 External = 3.4782
 Long Chord = 348.8711
 Mid. Ord. = 3.4754
 P.C. Station = 0+00.00 N 1,912,233.0521 E 1,089,663.3614
 P.T. Station = 3+48.96 N 1,912,945.0951 E 1,089,860.3176
 C.C. = N 1,915,559.4693 E 1,093,373.6457
 Back = S 32° 05' 18.51" E
 Ahead = S 36° 39' 14.60" E
 Chord Bear = S 34° 22' 16.56" E

Curve Data

Curve E RLAKE A-2
 P.I. Station = 7+14.93 N 1,912,651.5007 E 1,090,078.7902
 Delta = 55° 12' 04.88" (LT)
 Degree = 8° 11' 06.40"
 Tangent = 365.9617
 Length = 674.4118
 Radius = 700.0000
 External = 89.8911
 Long Chord = 648.6291
 Mid. Ord. = 79.6613
 P.C. Station = 3+48.96 N 1,912,945.0951 E 1,089,860.3176
 P.T. Station = 10+23.38 N 1,912,663.3495 E 1,090,444.5600
 C.C. = N 1,913,362.9825 E 1,090,421.8959
 Back = S 36° 39' 14.60" E
 Ahead = N 88° 08' 40.52" E
 Chord Bear = S 64° 15' 17.04" E

Course from PT E RLAKE A-2 to 591 N 88° 08' 40.52" E Dist 470.1422

Point 591 N 1,912,678.5715 E 1,090,914.4558 Sta 14+93.52

RAMP E_RLAKE_B

Point 600 N 1,911,724.7699 E 1,091,367.8439 Sta 0+00.00

Course from 600 to PC E RLAKE B-1 N 58° 22' 57.80" W Dist 275.4597

Curve Data

Curve E RLAKE B-1
 P.I. Station = 4+36.80 N 1,911,953.7597 E 1,090,995.8777
 Delta = 19° 31' 09.83" (RT)
 Degree = 6° 06' 29.85"
 Tangent = 161.3414
 Length = 319.5557
 Radius = 938.0000
 External = 13.7747
 Long Chord = 318.0126
 Mid. Ord. = 13.5753
 P.C. Station = 2+75.46 N 1,911,869.1777 E 1,091,133.2709
 P.T. Station = 5+95.02 N 1,912,079.3873 E 1,090,894.6417
 C.C. = N 1,912,667.9493 E 1,091,625.0106
 Back = N 58° 22' 57.80" W
 Ahead = N 38° 51' 47.96" W
 Chord Bear = N 48° 37' 22.88" W

Course from PT E RLAKE B-1 to PC E RLAKE B-2 N 38° 51' 47.96" W Dist 80.2675

Curve Data

Curve E RLAKE B-2
 P.I. Station = 7+97.03 N 1,912,241.0180 E 1,090,773.5924
 Delta = 18° 37' 34.64" (RT)
 Degree = 7° 43' 02.85"
 Tangent = 121.7504
 Length = 241.3526
 Radius = 742.4176
 External = 9.9168
 Long Chord = 240.2912
 Mid. Ord. = 9.7861
 P.C. Station = 6+75.28 N 1,912,141.8872 E 1,090,844.2766
 P.T. Station = 9+16.64 N 1,912,357.5326 E 1,090,738.2722
 C.C. = N 1,912,572.9103 E 1,091,448.7624
 Back = N 35° 29' 25.52" W
 Ahead = N 16° 51' 50.88" W
 Chord Bear = N 26° 10' 38.20" W

Curve Data

Curve E RLAKE B-3
 P.I. Station = 11+95.29 N 1,912,628.0123 E 1,090,671.2711
 Delta = 101° 54' 47.31" (RT)
 Degree = 25° 21' 07.61"
 Tangent = 278.6546
 Length = 401.9907
 Radius = 226.0000
 External = 132.7818
 Long Chord = 351.0543
 Mid. Ord. = 83.6405
 P.C. Station = 9+16.64 N 1,912,357.5326 E 1,090,738.2722
 P.T. Station = 13+18.63 N 1,912,637.7355 E 1,090,949.7561
 C.C. = N 1,912,411.8731 E 1,090,957.6420
 Back = N 13° 54' 46.05" W
 Ahead = N 88° 00' 01.26" E
 Chord Bear = N 37° 02' 37.61" E

Course from PT E RLAKE B-3 to PC E RLAKE B-4 N 86° 30' 17.76" E Dist 79.2699

RAMP E_RLAKE_B

Curve Data

Curve E RLAKE B-4
 P.I. Station = 14+69.40 N 1,912,640.6051 E 1,091,100.3524
 Delta = 4° 09' 29.60" (RT)
 Degree = 2° 54' 32.73"
 Tangent = 71.5008
 Length = 142.9389
 Radius = 1,969.5424
 External = 1.2974
 Long Chord = 142.9075
 Mid. Ord. = 1.2966
 P.C. Station = 13+97.90 N 1,912,642.5680 E 1,091,028.8785
 P.T. Station = 15+40.83 N 1,912,633.4647 E 1,091,171.4958
 C.C. = N 1,910,673.7679 E 1,090,974.8096
 Back = S 88° 25' 36.80" E
 Ahead = S 84° 16' 07.20" E
 Chord Bear = S 86° 20' 52.00" E

Course from PT E RLAKE B-4 to 601 N 87° 21' 16.39" E Dist 102.2674

Point 601 N 1,912,638.1849 E 1,091,273.6542 Sta 16+43.10

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \expln\ABC_C4_290_R_Data_exo\align_55.dgn	DRAWN - TMB	REVISED -				290	2009-099BR	COOK/DUPAGE	309	27
USER NAME = tblank	CHECKED - JMM	REVISED -				CONTRACT NO. 60157				
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -				SCALE: N.T.S.	SHEET NO. 13 OF 26 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

RAMP E_RLAKE_D

Point 610 N 1,911,695.0159 E 1,091,126.5345 Sta 0+00.00

Course from 610 to PC E RLAKE D-1 N 61° 47' 34.54" W Dist 119.2103

Curve Data

Curve E RLAKE D-1
 P.I. Station 2+80.04 N 1,911,822.5981 E 1,090,877.2889
 Delta = 23° 25' 04.84" (LT)
 Degree = 7° 23' 00.52"
 Tangent = 160.8291
 Length = 317.1678
 Radius = 776.0000
 External = 16.4910
 Long Chord = 314.9648
 Mid. Ord. = 16.1478
 P.C. Station 1+19.21 N 1,911,751.3617 E 1,091,021.4810
 P.T. Station 4+36.38 N 1,911,830.6595 E 1,090,716.6620
 C.C. N 1,911,055.6349 E 1,090,677.7657
 Back = N 63° 42' 32.00" W
 Ahead = N 87° 07' 36.84" W
 Chord Bear = N 75° 25' 04.42" W

Curve Data

Curve E RLAKE D-2
 P.I. Station 4+87.24 N 1,911,831.6293 E 1,090,665.8054
 Delta = 11° 30' 26.39" (LT)
 Degree = 11° 20' 58.73"
 Tangent = 50.8658
 Length = 101.3893
 Radius = 504.8244
 External = 2.5561
 Long Chord = 101.2190
 Mid. Ord. = 2.5433
 P.C. Station 4+36.38 N 1,911,830.6595 E 1,090,716.6620
 P.T. Station 5+37.77 N 1,911,822.4340 E 1,090,615.7777
 C.C. N 1,911,325.9269 E 1,090,707.0376
 Back = N 88° 54' 27.37" W
 Ahead = S 79° 35' 06.24" W
 Chord Bear = S 85° 20' 19.44" W

RAMP E_RLAKE_E

Curve Data

Curve E RLAKE E-1
 P.I. Station 2+44.40 N 1,911,279.8642 E 1,091,882.7848
 Delta = 13° 16' 36.32" (RT)
 Degree = 2° 43' 42.13"
 Tangent = 244.4039
 Length = 486.6185
 Radius = 2,100.0000
 External = 14.1744
 Long Chord = 485.5305
 Mid. Ord. = 14.0793
 P.C. Station 0+00.00 N 1,911,402.4006 E 1,091,671.3183
 P.T. Station 4+86.62 N 1,911,112.0386 E 1,092,060.4582
 C.C. N 1,909,585.4094 E 1,090,618.4446
 Back = S 59° 54' 33.93" E
 Ahead = S 46° 37' 57.61" E
 Chord Bear = S 53° 16' 15.77" E

Curve Data

Curve E RLAKE E-2
 P.I. Station 5+41.48 N 1,911,074.3661 E 1,092,100.3412
 Delta = 24° 45' 16.76" (RT)
 Degree = 22° 55' 05.92"
 Tangent = 54.8624
 Length = 108.0126
 Radius = 250.0000
 External = 5.9490
 Long Chord = 107.1744
 Mid. Ord. = 5.8107
 P.C. Station 4+86.62 N 1,911,112.0386 E 1,092,060.4582
 P.T. Station 5+94.63 N 1,911,023.4550 E 1,092,120.7847
 C.C. N 1,910,930.2971 E 1,091,888.7899
 Back = S 46° 37' 57.61" E
 Ahead = S 21° 52' 40.84" E
 Chord Bear = S 34° 15' 19.23" E

Curve Data

Curve E RLAKE E-3
 P.I. Station 10+39.66 N 1,910,610.4802 E 1,092,286.6154
 Delta = 141° 15' 00.08" (RT)
 Degree = 36° 36' 38.60"
 Tangent = 445.0258
 Length = 385.8160
 Radius = 156.5000
 External = 315.2417
 Long Chord = 295.2740
 Mid. Ord. = 104.5812
 P.C. Station 5+94.63 N 1,911,023.4550 E 1,092,120.7847
 P.T. Station 9+80.45 N 1,910,828.7557 E 1,091,898.7961
 C.C. N 1,910,965.1381 E 1,091,975.5559
 Back = S 21° 52' 40.84" E
 Ahead = N 60° 37' 40.76" W
 Chord Bear = S 48° 44' 49.20" W

Course from PT E RLAKE E-3 to PC E RLAKE E-4 N 60° 37' 40.76" W Dist 362.1787

Curve Data

Curve E RLAKE E-4
 P.I. Station 14+06.16 N 1,911,037.8181 E 1,091,527.9516
 Delta = 0° 20' 10.16" (RT)
 Degree = 0° 15' 52.34"
 Tangent = 63.5364
 Length = 127.0724
 Radius = 21,658.8260
 External = 0.0932
 Long Chord = 127.0722
 Mid. Ord. = 0.0932
 P.C. Station 13+42.63 N 1,911,006.3963 E 1,091,583.1743
 P.T. Station 14+69.70 N 1,911,069.5632 E 1,091,472.9142
 C.C. N 1,929,831.1866 E 1,102,294.4774
 Back = N 60° 21' 36.47" W
 Ahead = N 60° 01' 26.31" W
 Chord Bear = N 60° 11' 31.39" W

FILE NAME =	DESIGNED - AJP	REVISED -
...NexpIn_A0C_C4_298_R_Data_exalign_56.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
 I-290 CURVE DATA**

SCALE: N.T.S. SHEET NO. 14 OF 26 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	28
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60157	

RAMP E_RNORTH_A

Point 630 N 1,906,540.5344 E 1,096,695.6449 Sta 0+00.00

Course from 630 to PC E_RNORTH A-1 N 3° 06' 14.07" E Dist 186.5817

Curve Data

Curve E_RNORTH A-1
 P.I. Station 3+38.60 N 1,906,878.7769 E 1,096,710.8101
 Delta = 5° 14' 56.60" (LT)
 Degree = 1° 43' 39.57"
 Tangent = 152.0188
 Length = 303.8250
 Radius = 3,316.3847
 External = 3.4823
 Long Chord = 303.7187
 Mid. Ord. = 3.4787
 P.C. Station 1+86.58 N 1,906,726.8424 E 1,096,705.7477
 P.T. Station 4+90.41 N 1,907,030.5374 E 1,096,701.9514
 C.C. N 1,906,837.2806 E 1,093,391.2023
 Back = N 1° 54' 30.05" E
 Ahead = N 3° 20' 26.55" W
 Chord Bear = N 0° 42' 58.25" W

Course from PT E_RNORTH A-1 to PC E_RNORTH A-2 N 4° 45' 26.46" W Dist 585.2900

Curve Data

Curve E_RNORTH A-2
 P.I. Station 13+18.71 N 1,907,856.0585 E 1,096,634.0826
 Delta = 19° 30' 13.48" (LT)
 Degree = 4° 03' 07.33"
 Tangent = 243.0172
 Length = 481.3321
 Radius = 1,414.0000
 External = 20.7311
 Long Chord = 479.0115
 Mid. Ord. = 20.4316
 P.C. Station 10+75.70 N 1,907,613.8111 E 1,096,653.4098
 P.T. Station 15+57.03 N 1,908,077.9530 E 1,096,534.9856
 C.C. N 1,907,501.3553 E 1,095,243.8887
 Back = N 4° 33' 41.63" W
 Ahead = N 24° 03' 55.11" W
 Chord Bear = N 14° 18' 48.37" W

Course from PT E_RNORTH A-2 to 631 N 24° 03' 55.11" W Dist 152.5095

Point 631 N 1,908,217.2065 E 1,096,472.7956 Sta 17+09.54

Course from 631 to PC E_RNORTH A-3 N 24° 03' 55.11" W Dist 263.9152

Curve Data

Curve E_RNORTH A-3
 P.I. Station 23+62.08 N 1,908,813.0273 E 1,096,206.7049
 Delta = 117° 27' 42.31" (RT)
 Degree = 24° 16' 40.34"
 Tangent = 388.6234
 Length = 483.8223
 Radius = 236.0000
 External = 218.6693
 Long Chord = 403.4367
 Mid. Ord. = 113.5022
 P.C. Station 19+73.45 N 1,908,458.1826 E 1,096,365.1769
 P.T. Station 24+57.28 N 1,908,790.0036 E 1,096,594.6457
 C.C. N 1,908,554.4181 E 1,096,580.6640
 Back = N 24° 03' 55.11" W
 Ahead = S 86° 36' 12.80" E
 Chord Bear = N 34° 39' 56.05" E

RAMP E_RNORTH_B

Curve Data

Curve E_RNORTH B-1
 P.I. Station 1+35.36 N 1,908,976.5494 E 1,095,642.7954
 Delta = 76° 31' 14.02" (RT)
 Degree = 33° 22' 51.14"
 Tangent = 135.3620
 Length = 229.2348
 Radius = 171.6426
 External = 46.9531
 Long Chord = 212.5741
 Mid. Ord. = 36.8678
 P.C. Station 0+00.00 N 1,908,890.2302 E 1,095,747.0637
 P.T. Station 2+29.23 N 1,909,098.0662 E 1,095,702.4323
 C.C. N 1,909,022.4451 E 1,095,856.5187
 Back = N 50° 22' 48.42" W
 Ahead = N 26° 08' 25.59" E
 Chord Bear = N 12° 07' 11.41" W

Curve Data

Curve E_RNORTH B-2
 P.I. Station 35+22.10 N 1,911,956.9159 E 1,097,336.4274
 Delta = 174° 07' 55.45" (RT)
 Degree = 33° 56' 59.05"
 Tangent = 3,292.8653
 Length = 512.9114
 Radius = 168.7665
 External = 3,128.4208
 Long Chord = 337.0905
 Mid. Ord. = 160.1282
 P.C. Station 2+29.23 N 1,909,098.0662 E 1,095,702.4323
 P.T. Station 7+42.15 N 1,908,945.9932 E 1,096,003.2708
 C.C. N 1,909,014.3204 E 1,095,848.9545
 Back = N 29° 45' 01.52" E
 Ahead = S 23° 52' 56.96" W
 Chord Bear = S 63° 11' 00.76" E

Curve Data

Curve E_RNORTH B-3
 P.I. Station 8+49.11 N 1,908,851.5710 E 1,095,953.0038
 Delta = 58° 34' 07.46" (RT)
 Degree = 30° 02' 20.34"
 Tangent = 106.9688
 Length = 194.9758
 Radius = 190.7381
 External = 27.9474
 Long Chord = 186.5970
 Mid. Ord. = 24.3758
 P.C. Station 7+42.15 N 1,908,945.9932 E 1,096,003.2708
 P.T. Station 9+37.12 N 1,908,845.2234 E 1,095,846.2235
 C.C. N 1,909,035.6253 E 1,095,834.9049
 Back = S 28° 01' 45.37" W
 Ahead = S 86° 35' 52.83" W
 Chord Bear = S 57° 18' 49.10" W

Curve Data

Curve E_RNORTH B-4
 P.I. Station 9+55.93 N 1,908,842.7805 E 1,095,827.5772
 Delta = 1° 03' 44.08" (RT)
 Degree = 2° 49' 27.68"
 Tangent = 18.8056
 Length = 37.6102
 Radius = 2,028.6313
 External = 0.0872
 Long Chord = 37.6096
 Mid. Ord. = 0.0872
 P.C. Station 9+37.12 N 1,908,845.2234 E 1,095,846.2235
 P.T. Station 9+74.73 N 1,908,840.6838 E 1,095,808.8888
 C.C. N 1,910,856.6663 E 1,095,582.7040
 Back = S 82° 32' 10.24" W
 Ahead = S 83° 35' 54.33" W
 Chord Bear = S 83° 04' 02.29" W

RAMP E_RNORTH_C

Curve Data

Curve E_RNORTH C-1
 P.I. Station 21+92.04 N 1,910,484.1416 E 1,093,643.3398
 Delta = 174° 49' 41.38" (LT)
 Degree = 57° 52' 28.29"
 Tangent = 2,192.0369
 Length = 302.0814
 Radius = 99.0000
 External = 2,095.2714
 Long Chord = 197.7984
 Mid. Ord. = 94.5334
 P.C. Station 0+00.00 N 1,909,075.8593 E 1,095,323.1514
 P.T. Station 3+02.08 N 1,908,930.1692 E 1,095,189.3657
 C.C. N 1,908,999.9931 E 1,095,259.5484
 Back = N 50° 01' 29.88" W
 Ahead = S 44° 51' 11.26" E
 Chord Bear = S 42° 33' 39.43" W

Curve Data

Curve E_RNORTH C-2
 P.I. Station 4+30.31 N 1,908,839.2693 E 1,095,279.8008
 Delta = 42° 50' 24.34" (LT)
 Degree = 17° 31' 46.57"
 Tangent = 128.2237
 Length = 244.3871
 Radius = 326.8515
 External = 24.2513
 Long Chord = 238.7340
 Mid. Ord. = 22.5763
 P.C. Station 3+02.08 N 1,908,930.1692 E 1,095,189.3657
 P.T. Station 5+46.47 N 1,908,834.1083 E 1,095,407.9205
 C.C. N 1,909,160.6950 E 1,095,421.0763
 Back = S 44° 51' 11.26" E
 Ahead = S 87° 41' 35.61" E
 Chord Bear = S 66° 16' 23.43" E

Curve Data

Curve E_RNORTH C-3
 P.I. Station 6+45.81 N 1,908,828.4269 E 1,095,507.0945
 Delta = 3° 10' 20.29" (LT)
 Degree = 1° 35' 49.75"
 Tangent = 99.3366
 Length = 198.6225
 Radius = 3,587.3723
 External = 1.3751
 Long Chord = 198.5971
 Mid. Ord. = 1.3746
 P.C. Station 5+46.47 N 1,908,834.1083 E 1,095,407.9205
 P.T. Station 7+45.09 N 1,908,828.2423 E 1,095,606.4310
 C.C. N 1,912,415.6084 E 1,095,613.0963
 Back = S 86° 43' 16.47" E
 Ahead = S 89° 53' 36.76" E
 Chord Bear = S 88° 18' 26.62" E

RAMP E_RNORTH_D

Curve Data

Curve E_RNRTH D-1
 P.I. Station = 0+86.85 N 1,908,274.8873 E 1,096,261.2227
 Delta = 30° 22' 14.75" (LT)
 Degree = 17° 54' 17.75"
 Tangent = 86.8544
 Length = 169.6223
 Radius = 320.0000
 External = 11.5776
 Long Chord = 167.6435
 Mid. Ord. = 11.1733
 P.C. Station = 0+00.00 N 1,908,346.9726 E 1,096,212.7728
 P.T. Station = 1+69.62 N 1,908,237.1901 E 1,096,339.4699
 C.C. = N 1,908,525.4781 E 1,096,478.3585
 Back = S 33° 54' 20.99" E
 Ahead = S 64° 16' 35.74" E
 Chord Bear = S 49° 05' 28.36" E

Curve Data

Curve E_RNRTH D-2
 P.I. Station = 3+46.89 N 1,908,160.2495 E 1,096,499.1738
 Delta = 63° 45' 49.23" (LT)
 Degree = 20° 06' 13.62"
 Tangent = 177.2716
 Length = 317.1725
 Radius = 285.0000
 External = 50.6340
 Long Chord = 301.0564
 Mid. Ord. = 42.9953
 P.C. Station = 1+69.62 N 1,908,237.1901 E 1,096,339.4699
 P.T. Station = 4+86.79 N 1,908,269.4869 E 1,096,638.7889
 C.C. = N 1,908,493.9466 E 1,096,463.1676
 Back = S 64° 16' 35.74" E
 Ahead = N 51° 57' 35.03" E
 Chord Bear = N 83° 50' 29.65" E

Curve Data

Curve E_RNRTH D-3
 P.I. Station = 5+65.02 N 1,908,317.6920 E 1,096,700.3993
 Delta = 39° 49' 02.07" (LT)
 Degree = 26° 31' 32.97"
 Tangent = 78.2277
 Length = 150.1075
 Radius = 216.0000
 External = 13.7293
 Long Chord = 147.1051
 Mid. Ord. = 12.9088
 P.C. Station = 4+86.79 N 1,908,269.4869 E 1,096,638.7889
 P.T. Station = 6+36.90 N 1,908,394.1695 E 1,096,716.8540
 C.C. = N 1,908,439.6037 E 1,096,505.6864
 Back = N 51° 57' 35.03" E
 Ahead = N 12° 08' 32.96" E
 Chord Bear = N 32° 03' 04.00" E

Curve Data

Curve E_RNRTH D-4
 P.I. Station = 7+72.17 N 1,908,526.4133 E 1,096,745.3072
 Delta = 11° 44' 28.13" (LT)
 Degree = 4° 21' 18.50"
 Tangent = 135.2701
 Length = 269.5929
 Radius = 1,315.5898
 External = 6.9360
 Long Chord = 269.1214
 Mid. Ord. = 6.8996
 P.C. Station = 6+36.90 N 1,908,394.1695 E 1,096,716.8540
 P.T. Station = 9+06.50 N 1,908,661.6801 E 1,096,746.2547
 C.C. = N 1,908,670.8954 E 1,095,430.6972
 Back = N 12° 08' 32.96" E
 Ahead = N 0° 24' 04.83" E
 Chord Bear = N 6° 16' 18.89" E

RAMP E_RNORTH_F

Curve Data

Curve E_RNRTH F-1
 P.I. Station = 0+05.97 N 1,907,217.6032 E 1,096,542.1533
 Delta = 0° 14' 43.34" (LT)
 Degree = 2° 03' 23.49"
 Tangent = 5.9657
 Length = 11.9314
 Radius = 2,786.0484
 External = 0.0064
 Long Chord = 11.9314
 Mid. Ord. = 0.0064
 P.C. Station = 0+00.00 N 1,907,211.7578 E 1,096,543.3453
 P.T. Station = 0+11.93 N 1,907,223.4434 E 1,096,540.9362
 C.C. = N 1,906,655.0496 E 1,093,813.4842
 Back = N 11° 31' 35.16" W
 Ahead = N 11° 46' 18.50" W
 Chord Bear = N 11° 38' 56.83" W

Curve Data

Curve E_RNRTH F-2
 P.I. Station = 4+68.54 N 1,907,671.5242 E 1,096,453.0859
 Delta = 25° 42' 41.49" (LT)
 Degree = 2° 51' 49.28"
 Tangent = 456.6115
 Length = 897.8462
 Radius = 2,000.7679
 External = 51.4422
 Long Chord = 890.3316
 Mid. Ord. = 50.1527
 P.C. Station = 0+11.93 N 1,907,223.4434 E 1,096,540.9362
 P.T. Station = 9+09.78 N 1,908,037.1274 E 1,096,179.5381
 C.C. = N 1,906,838.5034 E 1,094,577.5479
 Back = N 11° 05' 33.55" W
 Ahead = N 36° 48' 15.04" W
 Chord Bear = N 23° 56' 54.30" W

Curve Data

Curve E_RNRTH F-3
 P.I. Station = 12+81.83 N 1,908,335.0228 E 1,095,956.6501
 Delta = 33° 09' 00.59" (LT)
 Degree = 4° 35' 01.18"
 Tangent = 372.0493
 Length = 723.2244
 Radius = 1,250.0000
 External = 54.1935
 Long Chord = 713.1789
 Mid. Ord. = 51.9416
 P.C. Station = 9+09.78 N 1,908,037.1274 E 1,096,179.5381
 P.T. Station = 16+33.00 N 1,908,462.5497 E 1,095,607.1396
 C.C. = N 1,907,288.2750 E 1,095,178.6785
 Back = N 36° 48' 15.04" W
 Ahead = N 69° 57' 15.63" W
 Chord Bear = N 53° 22' 45.34" W

Course from PT E_RNRTH F-3 to PC E_RNRTH F-4 N 69° 57' 15.63" W Dist 215.5156

Curve Data

Curve E_RNRTH F-4
 P.I. Station = 19+39.39 N 1,908,567.5690 E 1,095,319.3152
 Delta = 12° 34' 24.91" (RT)
 Degree = 6° 56' 46.95"
 Tangent = 90.8696
 Length = 181.0093
 Radius = 824.8300
 External = 4.9904
 Long Chord = 180.6463
 Mid. Ord. = 4.9603
 P.C. Station = 18+48.52 N 1,908,536.4217 E 1,095,404.6800
 P.T. Station = 20+29.53 N 1,908,616.5526 E 1,095,242.7783
 C.C. = N 1,909,311.2833 E 1,095,687.4060
 Back = N 69° 57' 15.63" W
 Ahead = N 57° 22' 50.72" W
 Chord Bear = N 63° 40' 03.18" W

Course from PT E_RNRTH F-4 to PC E_RNRTH F-5 N 57° 22' 50.72" W Dist 123.0965

RAMP E_RNORTH_F

Curve Data

Curve E_RNRTH F-5
 P.I. Station = 22+85.49 N 1,908,754.5321 E 1,095,027.1854
 Delta = 29° 18' 54.75" (LT)
 Degree = 11° 16' 43.31"
 Tangent = 132.8696
 Length = 259.9166
 Radius = 508.0000
 External = 17.0889
 Long Chord = 257.0908
 Mid. Ord. = 16.5327
 P.C. Station = 21+52.62 N 1,908,682.9082 E 1,095,139.0977
 P.T. Station = 24+12.54 N 1,908,762.1899 E 1,094,894.5367
 C.C. = N 1,908,255.0343 E 1,094,865.2584
 Back = N 57° 22' 50.72" W
 Ahead = N 86° 41' 45.47" W
 Chord Bear = N 72° 02' 18.10" W

Course from PT E_RNRTH F-5 to 701 N 86° 41' 45.47" W Dist 103.7502

Point 701 N 1,908,768.1695 E 1,094,790.9589 Sta 25+16.29

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\in_ABC_C4_290_R_Data_exelign_58.dgn	DRAWN - TMB	REVISED -			290	2009-0998R	COOK/DUPAGE	309	30		
USER NAME = tblank	CHECKED - JMM	REVISED -			CONTRACT NO. 60157						
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 16 OF 26 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

RAMP E_RNORTH_G

Curve Data

Curve E RNRT G-1
 P.I. Station = 1+53.54 N 1,909,461.1966 E 1,094,705.5710
 Delta = 14° 00' 20.55" (RT)
 Degree = 4° 35' 01.18"
 Tangent = 153.5439
 Length = 305.5572
 Radius = 1,250.0000
 External = 9.3950
 Long Chord = 304.7970
 Mid. Ord. = 9.3249
 P.C. Station = 0+00.00 N 1,909,531.4032 E 1,094,569.0178
 P.T. Station = 3+05.56 N 1,909,360.0287 E 1,094,821.0733
 C.C. = N 1,908,419.7250 E 1,093,997.4659
 Back = S 62° 47' 26.70" E
 Ahead = S 48° 47' 06.15" E
 Chord Bear = S 55° 47' 16.43" E

Curve Data

Curve E RNRT G-2
 P.I. Station = 4+69.57 N 1,909,251.9653 E 1,094,944.4481
 Delta = 28° 19' 21.97" (RT)
 Degree = 8° 48' 53.05"
 Tangent = 164.0092
 Length = 321.3116
 Radius = 650.0000
 External = 20.3723
 Long Chord = 318.0501
 Mid. Ord. = 19.7532
 P.C. Station = 3+05.56 N 1,909,360.0287 E 1,094,821.0733
 P.T. Station = 6+26.87 N 1,909,098.3046 E 1,095,001.7842
 C.C. = N 1,908,871.0708 E 1,094,392.7975
 Back = S 48° 47' 06.15" E
 Ahead = S 20° 27' 44.18" E
 Chord Bear = S 34° 37' 25.16" E

Course from PT E RNRT G-2 to 711 S 20° 27' 44.18" E Dist 153.1072

Point 711 N 1,908,954.8581 E 1,095,055.3090 Sta 7+79.98

Course from 711 to PC E RNRT G-3 S 23° 23' 23.29" E Dist 79.8418

Curve Data

Curve E RNRT G-3
 P.I. Station = 10+04.81 N 1,908,751.4367 E 1,095,150.9179
 Delta = 37° 21' 35.93" (LT)
 Degree = 13° 21' 38.23"
 Tangent = 144.9877
 Length = 279.6276
 Radius = 428.8407
 External = 23.8466
 Long Chord = 274.7001
 Mid. Ord. = 22.5904
 P.C. Station = 8+59.82 N 1,908,881.5773 E 1,095,087.0050
 P.T. Station = 11+39.45 N 1,908,686.7797 E 1,095,280.6904
 C.C. = N 1,909,070.6174 E 1,095,471.9312
 Back = S 26° 09' 21.60" E
 Ahead = S 63° 30' 57.53" E
 Chord Bear = S 44° 50' 09.56" E

RAMP E_RNORTH_G

Curve Data

Curve E RNRT G-4
 P.I. Station = 12+35.59 N 1,908,643.9050 E 1,095,366.7439
 Delta = 41° 45' 56.26" (LT)
 Degree = 22° 44' 11.11"
 Tangent = 96.1428
 Length = 183.6948
 Radius = 252.0000
 External = 17.7173
 Long Chord = 179.6547
 Mid. Ord. = 16.5535
 P.C. Station = 11+39.45 N 1,908,686.7797 E 1,095,280.6904
 P.T. Station = 13+23.14 N 1,908,669.2448 E 1,095,459.4873
 C.C. = N 1,908,912.3346 E 1,095,393.0694
 Back = S 63° 30' 57.53" E
 Ahead = N 74° 43' 06.21" E
 Chord Bear = S 84° 23' 55.66" E

Course from PT E RNRT G-4 to PC E RNRT G-5 N 74° 43' 06.21" E Dist 110.3803

Curve Data

Curve E RNRT G-5
 P.I. Station = 15+09.21 N 1,908,718.2861 E 1,095,638.9788
 Delta = 8° 45' 42.10" (RT)
 Degree = 5° 47' 57.00"
 Tangent = 75.6902
 Length = 151.0854
 Radius = 988.0000
 External = 2.8951
 Long Chord = 150.9382
 Mid. Ord. = 2.8866
 P.C. Station = 14+33.52 N 1,908,698.3370 E 1,095,565.9648
 P.T. Station = 15+84.61 N 1,908,726.8807 E 1,095,714.1795
 C.C. = N 1,907,745.2706 E 1,095,826.3655
 Back = N 74° 43' 06.21" E
 Ahead = N 83° 28' 48.31" E
 Chord Bear = N 79° 05' 57.26" E

Course from PT E RNRT G-5 to PC E RNRT G-6 N 84° 25' 54.08" E Dist 190.4069

Curve Data

Curve E RNRT G-6
 P.I. Station = 19+04.22 N 1,908,760.6763 E 1,096,031.9793
 Delta = 4° 04' 51.07" (LT)
 Degree = 1° 34' 47.68"
 Tangent = 129.2029
 Length = 258.2966
 Radius = 3,626.5223
 External = 2.3008
 Long Chord = 258.2420
 Mid. Ord. = 2.2994
 P.C. Station = 17+75.01 N 1,908,745.3563 E 1,095,903.6879
 P.T. Station = 20+33.31 N 1,908,785.0873 E 1,096,158.8552
 C.C. = N 1,912,346.2946 E 1,095,473.6790
 Back = N 83° 11' 24.81" E
 Ahead = N 79° 06' 33.74" E
 Chord Bear = N 81° 08' 59.28" E

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = tblank	DRAWN - TMB	REVISED -						290	2009-099BR	COOK/DUPAGE	309	31
DATE = 11/13/2009	CHECKED - JMM	REVISED -			CONTRACT NO. 60157							
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 17 OF 26 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

RAMP E_RNORTH_H

Point 720 N 1,909,906.9259 E 1,094,110.7069 Sta 0+00.00
 Course from 720 to 721 S 66° 19' 41.31" E Dist 696.0136
 Point 721 N 1,909,627.4779 E 1,094,748.1578 Sta 6+96.01
 Course from 721 to PC E RNORTH H-1 S 65° 27' 02.87" E Dist 459.6336

Curve Data

Curve E RNORTH H-1
 P.I. Station 11+58.78 N 1,909,435.2086 E 1,095,169.0960
 Delta = 0° 09' 13.47" (LT)
 Degree = 2° 27' 02.28"
 Tangent = 3.1368
 Length = 6.2735
 Radius = 2,338.0000
 External = 0.0021
 Long Chord = 6.2735
 Mid. Ord. = 0.0021
 P.C. Station 11+55.65 N 1,909,436.5118 E 1,095,166.2428
 P.T. Station 11+61.92 N 1,909,433.9130 E 1,095,171.9527
 C.C. N 1,911,563.1679 E 1,096,137.6221
 Back = S 65° 27' 02.87" E
 Ahead = S 65° 36' 16.34" E
 Chord Bear = S 65° 31' 39.61" E

RAMP E_RNORTH_I

Course from PT E RNORTH I-1 to PC E RNORTH I-2 S 80° 58' 24.46" E Dist 78.4809

Curve Data

Curve E RNORTH I-1
 P.I. Station 14+80.81 N 1,909,280.3006 E 1,095,452.4383
 Delta = 15 33/64 22' 40.21" (LT)
 Degree = 2 33/64 25' 32.63"
 Tangent = 318.8898
 Length = 633.9464
 Radius = 2,362.0000
 External = 21.4292
 Long Chord = 632.0453
 Mid. Ord. = 21.2365
 P.C. Station 11+61.92 N 1,909,412.0575 E 1,095,162.0407
 P.T. Station 17+95.87 N 1,909,230.2693 E 1,095,767.3789
 C.C. N 1,911,563.0178 E 1,096,137.9576
 Back = S 65 33/64 35' 44.25" E
 Ahead = S 80 33/64 58' 24.46" E
 Chord Bear = S 73 33/64 17' 04.36" E

Curve Data

Curve E RNORTH I-2
 P.I. Station 19+93.86 N 1,909,199.2056 E 1,095,962.9213
 Delta = 34 ° 04' 29.46" (RT)
 Degree = 14° 41' 28.41"
 Tangent = 119.5136
 Length = 231.9401
 Radius = 390.0000
 External = 17.9013
 Long Chord = 228.5371
 Mid. Ord. = 17.1157
 P.C. Station 18+74.35 N 1,909,217.9563 E 1,095,844.8878
 P.T. Station 21+06.29 N 1,909,117.5430 E 1,096,050.1836
 C.C. N 1,908,832.7862 E 1,095,783.7000
 Back = S 80° 58' 24.46" E
 Ahead = S 46° 53' 55.00" E
 Chord Bear = S 63° 56' 09.73" E

Course from PT E RNORTH I-2 to PC E RNORTH I-3 S 46° 53' 55.00" E Dist 159.3570

Curve Data

Curve E RNORTH I-3
 P.I. Station 23+41.77 N 1,908,956.6423 E 1,096,222.1175
 Delta = 30° 25' 05.20" (LT)
 Degree = 20° 27' 46.00"
 Tangent = 76.1218
 Length = 148.6509
 Radius = 280.0000
 External = 10.1629
 Long Chord = 146.9113
 Mid. Ord. = 9.8070
 P.C. Station 22+65.64 N 1,909,008.6557 E 1,096,166.5374
 P.T. Station 24+14.30 N 1,908,939.9289 E 1,096,296.3818
 C.C. N 1,909,213.0965 E 1,096,357.8591
 Back = S 46° 53' 55.00" E
 Ahead = S 77° 19' 00.20" E
 Chord Bear = S 62° 06' 27.60" E

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_ABC_C4_290_R_Data_exalign_62.dgn	DRAWN - TMB	REVISED -					290	2009-099BR	COOK/DUPAGE	309	32
USER NAME = tblank	CHECKED - JMM	REVISED -			CONTRACT NO. 60157						
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 18 OF 26 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

RAMP E_STCHARLES_A

Curve Data

Curve E STCHRLS A-1
 P.I. Station = 0+50.68 N 1,903,504.4155 E 1,096,719.2568
 Delta = 13° 36' 09.36" (LT)
 Degree = 13° 28' 55.96"
 Tangent = 50.6848
 Length = 100.8930
 Radius = 424.9732
 External = 3.0118
 Long Chord = 100.6562
 Mid. Ord. = 2.9906
 P.C. Station = 0+00.00 N 1,903,555.0774 E 1,096,717.7337
 P.T. Station = 1+00.89 N 1,903,455.5329 E 1,096,732.6522
 C.C. = N 1,903,567.8479 E 1,097,142.5150
 Back = S 1° 43' 19.24" E
 Ahead = S 15° 19' 28.60" E
 Chord Bear = S 8° 31' 23.92" E

Curve Data

Curve E STCHRLS A-2
 P.I. Station = 2+50.01 N 1,903,310.6878 E 1,096,768.1039
 Delta = 38° 37' 59.22" (LT)
 Degree = 13° 28' 04.16"
 Tangent = 149.1205
 Length = 286.8550
 Radius = 425.4272
 External = 25.3779
 Long Chord = 281.4517
 Mid. Ord. = 23.9493
 P.C. Station = 1+00.89 N 1,903,455.5329 E 1,096,732.6522
 P.T. Station = 3+87.75 N 1,903,219.6742 E 1,096,886.2286
 C.C. = N 1,903,556.6734 E 1,097,145.8820
 Back = S 13° 45' 11.20" E
 Ahead = S 52° 23' 10.42" E
 Chord Bear = S 33° 04' 10.81" E

Course from PT E STCHRLS A-2 to PC E STCHRLS A-3 S 52° 37' 31.45" E Dist 194.0972

Curve Data

Curve E STCHRLS A-3
 P.I. Station = 6+48.37 N 1,903,061.4684 E 1,097,093.3435
 Delta = 26° 22' 05.22" (RT)
 Degree = 20° 10' 28.45"
 Tangent = 66.5282
 Length = 130.6998
 Radius = 284.0000
 External = 7.6882
 Long Chord = 129.5494
 Mid. Ord. = 7.4856
 P.C. Station = 5+81.85 N 1,903,101.8526 E 1,097,040.4746
 P.T. Station = 7+12.54 N 1,903,001.8048 E 1,097,122.7758
 C.C. = N 1,902,876.1624 E 1,096,868.0799
 Back = S 52° 37' 31.45" E
 Ahead = S 26° 15' 26.24" E
 Chord Bear = S 39° 26' 28.84" E

Course from PT E STCHRLS A-3 to PC E STCHRLS A-4 S 26° 15' 26.24" E Dist 211.8152

Curve Data

Curve E STCHRLS A-4
 P.I. Station = 10+44.52 N 1,902,704.0825 E 1,097,269.6432
 Delta = 61° 59' 44.17" (LT)
 Degree = 28° 38' 52.40"
 Tangent = 120.1617
 Length = 216.4055
 Radius = 200.0000
 External = 33.3213
 Long Chord = 206.0021
 Mid. Ord. = 28.5626
 P.C. Station = 9+24.36 N 1,902,811.8454 E 1,097,216.4834
 P.T. Station = 11+40.77 N 1,902,700.4190 E 1,097,389.7491
 C.C. = N 1,902,900.3260 E 1,097,395.8467
 Back = S 26° 15' 26.24" E
 Ahead = S 88° 15' 10.41" E
 Chord Bear = S 57° 15' 18.32" E

RAMP E_STCHARLES_B

Curve Data

Curve E STCHRLS B-1
 P.I. Station = 0+65.86 N 1,902,865.3633 E 1,096,708.8790
 Delta = 20° 40' 48.20" (RT)
 Degree = 15° 52' 21.89"
 Tangent = 65.8598
 Length = 130.2865
 Radius = 360.9695
 External = 5.9590
 Long Chord = 129.5805
 Mid. Ord. = 5.8622
 P.C. Station = 0+00.00 N 1,902,799.5610 E 1,096,711.6303
 P.T. Station = 1+30.29 N 1,902,927.8974 E 1,096,729.5430
 C.C. = N 1,902,814.6405 E 1,097,072.2847
 Back = N 2° 23' 39.22" W
 Ahead = N 18° 17' 08.98" E
 Chord Bear = N 7° 56' 44.88" E

Curve Data

Curve E STCHRLS B-2
 P.I. Station = 1+93.20 N 1,902,987.9259 E 1,096,748.3903
 Delta = 31° 58' 07.84" (RT)
 Degree = 26° 05' 08.02"
 Tangent = 62.9177
 Length = 122.5538
 Radius = 219.6456
 External = 8.8338
 Long Chord = 120.9702
 Mid. Ord. = 8.4922
 P.C. Station = 1+30.29 N 1,902,927.8974 E 1,096,729.5430
 P.T. Station = 2+52.84 N 1,903,028.8715 E 1,096,796.1617
 C.C. = N 1,902,862.1018 E 1,096,939.1024
 Back = N 17° 25' 50.87" E
 Ahead = N 49° 23' 58.71" E
 Chord Bear = N 33° 24' 54.79" E

Curve Data

Curve E STCHRLS B-3
 P.I. Station = 22+76.63 N 1,904,222.9660 E 1,098,430.1327
 Delta = 170° 39' 42.81" (RT)
 Degree = 34° 39' 53.15"
 Tangent = 2,023.7894
 Length = 492.3209
 Radius = 165.2854
 External = 1,865.2423
 Long Chord = 329.4737
 Mid. Ord. = 151.8311
 P.C. Station = 2+52.84 N 1,903,028.8715 E 1,096,796.1617
 P.T. Station = 7+45.16 N 1,902,779.5672 E 1,097,011.5690
 C.C. = N 1,902,895.4230 E 1,096,893.6848
 Back = N 53° 50' 27.34" E
 Ahead = S 44° 30' 10.15" W
 Chord Bear = S 40° 49' 41.25" E

Curve Data

Curve E STCHRLS B-4
 P.I. Station = 8+18.50 N 1,902,727.2643 E 1,096,960.1660
 Delta = 44° 19' 57.74" (RT)
 Degree = 31° 49' 50.66"
 Tangent = 73.3339
 Length = 139.2764
 Radius = 180.0014
 External = 14.3652
 Long Chord = 135.8280
 Mid. Ord. = 13.3035
 P.C. Station = 7+45.16 N 1,902,779.5672 E 1,097,011.5690
 P.T. Station = 8+84.44 N 1,902,725.7739 E 1,096,886.8472
 C.C. = N 1,902,905.7382 E 1,096,883.1891
 Back = S 44° 30' 10.15" W
 Ahead = S 88° 50' 07.89" W
 Chord Bear = S 66° 40' 09.02" W

Course from PT E STCHRLS B-4 to 761 S 88° 50' 07.89" W Dist 100.8826

Point 761 N 1,902,723.7237 E 1,096,785.9854 Sta 9+85.32

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...expIn_ABC_C4_290_R_Data_exaligr_6.dgn	DRAWN - TMB	REVISED -			290	2009-0998R	COOK/DUPAGE	309	33			
USER NAME = tblank	CHECKED - JMM	REVISED -			CONTRACT NO. 60157							
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 19 OF 26 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

RAMP E_STCHARLES_C

Point 770 N 1,901,782.5102 E 1,096,726.9750 Sta 0+00.00

Course from 770 to PC E STCHRLS C-1 N 1° 27' 44.45" E Dist 18.3533

Curve Data

Curve E STCHRLS C-1
 P.I. Station 0+47.76 N 1,901,830.2281 E 1,096,728.8425
 Delta = 6° 24' 16.47" (RT)
 Degree = 10° 54' 07.36"
 Tangent = 29.4039
 Length = 58.7466
 Radius = 525.5508
 External = 0.8219
 Long Chord = 58.7160
 Mid. Ord. = 0.8206
 P.C. Station 0+18.35 N 1,901,800.8575 E 1,096,727.4434
 P.T. Station 0+77.10 N 1,901,859.2593 E 1,096,733.5091
 C.C. N 1,901,775.8507 E 1,097,252.3989
 Back = N 2° 43' 38.22" E
 Ahead = N 9° 07' 54.69" E
 Chord Bear = N 5° 55' 46.46" E

Curve Data

Curve E STCHRLS C-2
 P.I. Station 2+50.24 N 1,902,030.2074 E 1,096,760.9880
 Delta = 42° 57' 35.42" (RT)
 Degree = 13° 01' 18.37"
 Tangent = 173.1425
 Length = 329.9079
 Radius = 440.0000
 External = 32.8407
 Long Chord = 322.2341
 Mid. Ord. = 30.5598
 P.C. Station 0+77.10 N 1,901,859.2593 E 1,096,733.5091
 P.T. Station 4+07.01 N 1,902,136.5860 E 1,096,897.5966
 C.C. N 1,901,789.4282 E 1,097,167.9324
 Back = N 9° 07' 54.69" E
 Ahead = N 52° 05' 30.11" E
 Chord Bear = N 30° 36' 42.40" E

Course from PT E STCHRLS C-2 to PC E STCHRLS C-3 N 52° 05' 30.11" E Dist 200.4486

Curve Data

Curve E STCHRLS C-3
 P.I. Station 6+66.87 N 1,902,296.2456 E 1,097,102.6270
 Delta = 25° 21' 59.77" (LT)
 Degree = 21° 42' 10.61"
 Tangent = 59.4141
 Length = 116.8809
 Radius = 264.0000
 External = 6.6031
 Long Chord = 115.9287
 Mid. Ord. = 6.4420
 P.C. Station 6+07.46 N 1,902,259.7416 E 1,097,055.7496
 P.T. Station 7+24.34 N 1,902,349.3128 E 1,097,129.3462
 C.C. N 1,902,468.0363 E 1,096,893.5481
 Back = N 52° 05' 30.11" E
 Ahead = N 26° 43' 30.34" E
 Chord Bear = N 39° 24' 30.23" E

Course from PT E STCHRLS C-3 to PC E STCHRLS C-4 N 26° 43' 30.34" E Dist 180.1907

RAMP E_STCHARLES_C

Curve Data

Curve E STCHRLS C-4
 P.I. Station 10+32.00 N 1,902,624.1053 E 1,097,267.7033
 Delta = 65° 01' 18.54" (RT)
 Degree = 28° 38' 52.40"
 Tangent = 127.4676
 Length = 226.9690
 Radius = 200.0000
 External = 37.1666
 Long Chord = 214.9841
 Mid. Ord. = 31.3422
 P.C. Station 9+04.53 N 1,902,510.2545 E 1,097,210.3798
 P.T. Station 11+31.50 N 1,902,620.2195 E 1,097,395.1116
 C.C. N 1,902,420.3125 E 1,097,389.0147
 Back = N 26° 43' 30.34" E
 Ahead = S 88° 15' 11.11" E
 Chord Bear = N 59° 14' 09.61" E

Course from PT E STCHRLS C-4 to 771 S 88° 15' 11.11" E Dist 78.2074

Point 771 N 1,902,617.8354 E 1,097,473.2826 Sta 12+09.70

RAMP E_STCHARLES_D

Curve Data

Curve E STCHRLS D-1
 P.I. Station 1+22.07 N 1,902,409.0970 E 1,096,726.2207
 Delta = 44° 01' 13.35" (LT)
 Degree = 18° 58' 26.57"
 Tangent = 122.0659
 Length = 232.0031
 Radius = 301.9692
 External = 23.7385
 Long Chord = 226.3389
 Mid. Ord. = 22.0083
 P.C. Station 0+00.00 N 1,902,531.0369 E 1,096,720.6755
 P.T. Station 2+32.00 N 1,902,325.2644 E 1,096,814.9460
 C.C. N 1,902,544.7548 E 1,097,022.3329
 Back = S 2° 36' 13.45" E
 Ahead = S 46° 37' 26.80" E
 Chord Bear = S 24° 36' 50.12" E

Curve Data

Curve E STCHRLS D-2
 P.I. Station 4+12.72 N 1,902,211.2513 E 1,096,955.1649
 Delta = 95° 48' 20.68" (LT)
 Degree = 35° 05' 27.30"
 Tangent = 180.7216
 Length = 273.0215
 Radius = 163.2781
 External = 80.2790
 Long Chord = 242.3078
 Mid. Ord. = 53.8182
 P.C. Station 2+32.00 N 1,902,325.2644 E 1,096,814.9460
 P.T. Station 5+05.02 N 1,902,362.2841 E 1,097,054.4091
 C.C. N 1,902,451.9491 E 1,096,917.9543
 Back = S 50° 53' 06.65" E
 Ahead = N 33° 18' 32.67" E
 Chord Bear = N 81° 12' 43.01" E

Curve Data

Curve E STCHRLS D-3
 P.I. Station 6+85.75 N 1,902,513.3169 E 1,097,153.6534
 Delta = 95° 48' 20.68" (LT)
 Degree = 35° 05' 27.30"
 Tangent = 180.7216
 Length = 273.0215
 Radius = 163.2781
 External = 80.2790
 Long Chord = 242.3078
 Mid. Ord. = 53.8182
 P.C. Station 5+05.02 N 1,902,362.2841 E 1,097,054.4091
 P.T. Station 7+78.05 N 1,902,596.7742 E 1,096,993.3562
 C.C. N 1,902,451.9491 E 1,096,917.9543
 Back = N 33° 18' 32.67" E
 Ahead = N 62° 29' 48.01" W
 Chord Bear = N 14° 35' 37.67" W

Curve Data

Curve E STCHRLS D-4
 P.I. Station 8+61.75 N 1,902,634.4953 E 1,096,918.6296
 Delta = 24° 51' 42.78" (LT)
 Degree = 15° 05' 16.58"
 Tangent = 83.7075
 Length = 164.7799
 Radius = 379.7456
 External = 9.1164
 Long Chord = 163.4901
 Mid. Ord. = 8.9027
 P.C. Station 7+78.05 N 1,902,596.7742 E 1,096,993.3562
 P.T. Station 9+42.83 N 1,902,637.3032 E 1,096,834.9692
 C.C. N 1,902,257.7713 E 1,096,822.2311
 Back = N 63° 12' 57.04" W
 Ahead = N 88° 04' 39.82" W
 Chord Bear = N 75° 38' 48.43" W

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \expln\ABC_C4_290_R_Data_exalign_62.dgn	DRAWN - TMB	REVISED -			290	2009-0998R	COOK/DUPAGE	309	34			
USER NAME = tblank	CHECKED - JMM	REVISED -			CONTRACT NO. 60157							
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 20 OF 26 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

RAMP E_STCHARLES_E

Point 790 N 1,901,504.0880 E 1,096,603.3986 Sta 0+00.00

Course from 790 to PC E STCHRLS E-1 N 1° 01' 13.51" W Dist 358.8491

Curve Data

Curve E STCHRLS E-1
 P.I. Station = 5+46.20 N 1,902,050.2050 E 1,096,593.6714
 Delta = 48° 41' 52.76" (LT)
 Degree = 13° 50' 22.42"
 Tangent = 187.3545
 Length = 351.8753
 Radius = 414.0000
 External = 40.4202
 Long Chord = 341.3791
 Mid. Ord. = 36.8249
 P.C. Station = 3+58.85 N 1,901,862.8802 E 1,096,597.0079
 P.T. Station = 7+10.72 N 1,902,171.3380 E 1,096,450.7431
 C.C. = N 1,901,855.5073 E 1,096,183.0736
 Back = N 1° 01' 13.51" W
 Ahead = N 49° 43' 06.27" W
 Chord Bear = N 25° 22' 09.89" W

Course from PT E STCHRLS E-1 to PC E STCHRLS E-2 N 49° 43' 06.27" W Dist 190.9013

Curve Data

Curve E STCHRLS E-2
 P.I. Station = 9+39.61 N 1,902,319.3227 E 1,096,276.1319
 Delta = 16° 22' 29.84" (RT)
 Degree = 21° 42' 10.61"
 Tangent = 37.9841
 Length = 75.4504
 Radius = 264.0000
 External = 2.7186
 Long Chord = 75.1939
 Mid. Ord. = 2.6909
 P.C. Station = 9+01.63 N 1,902,294.7643 E 1,096,305.1091
 P.T. Station = 9+77.08 N 1,902,351.0542 E 1,096,255.2537
 C.C. = N 1,902,496.1636 E 1,096,475.7969
 Back = N 49° 43' 06.27" W
 Ahead = N 33° 20' 36.44" W
 Chord Bear = N 41° 31' 51.35" W

Course from PT E STCHRLS E-2 to PC E STCHRLS E-3 N 33° 20' 36.44" W Dist 188.5319

Curve Data

Curve E STCHRLS E-3
 P.I. Station = 13+31.80 N 1,902,647.3891 E 1,096,060.2762
 Delta = 50° 48' 01.91" (LT)
 Degree = 16° 22' 12.80"
 Tangent = 166.1942
 Length = 310.3228
 Radius = 350.0000
 External = 37.4539
 Long Chord = 300.2575
 Mid. Ord. = 33.8333
 P.C. Station = 11+65.61 N 1,902,508.5520 E 1,096,151.6259
 P.T. Station = 14+75.93 N 1,902,664.3458 E 1,095,894.9492
 C.C. = N 1,902,316.1723 E 1,095,859.2391
 Back = N 33° 20' 36.44" W
 Ahead = N 84° 08' 38.35" W
 Chord Bear = N 58° 44' 37.39" W

Course from PT E STCHRLS E-3 to 791 N 84° 08' 38.35" W Dist 218.0726

Point 791 N 1,902,686.5955 E 1,095,678.0147 Sta 16+94.00

RAMP E_STCHARLES_F

Curve Data

Curve E STCHRLS F-1
 P.I. Station = 1+12.43 N 1,902,448.5953 E 1,096,615.6077
 Delta = 45° 12' 43.83" (RT)
 Degree = 21° 13' 06.93"
 Tangent = 112.4348
 Length = 213.0781
 Radius = 270.0263
 External = 22.4729
 Long Chord = 207.5927
 Mid. Ord. = 20.7463
 P.C. Station = 0+00.00 N 1,902,560.1173 E 1,096,601.3101
 P.T. Station = 2+13.08 N 1,902,359.8827 E 1,096,546.5306
 C.C. = N 1,902,525.7799 E 1,096,333.4759
 Back = S 7° 18' 20.51" E
 Ahead = S 37° 54' 23.32" W
 Chord Bear = S 15° 18' 01.40" W

Curve Data

Curve E STCHRLS F-2
 P.I. Station = 9+52.00 N 1,901,809.9411 E 1,096,053.0012
 Delta = 155° 49' 18.28" (RT)
 Degree = 36° 12' 09.00"
 Tangent = 738.9229
 Length = 430.4171
 Radius = 158.2647
 External = 597.4170
 Long Chord = 309.5097
 Mid. Ord. = 125.1188
 P.C. Station = 2+13.08 N 1,902,359.8827 E 1,096,546.5306
 P.T. Station = 6+43.50 N 1,902,513.7776 E 1,096,277.9927
 C.C. = N 1,902,465.5883 E 1,096,428.7425
 Back = S 41° 54' 19.76" W
 Ahead = N 17° 43' 38.03" E
 Chord Bear = N 60° 11' 01.11" W

Curve Data

Curve E STCHRLS F-3
 P.I. Station = 6+83.21 N 1,902,551.6075 E 1,096,290.0856
 Delta = 24° 45' 06.69" (RT)
 Degree = 31° 39' 18.46"
 Tangent = 39.7157
 Length = 78.1923
 Radius = 181.0000
 External = 4.3061
 Long Chord = 77.5856
 Mid. Ord. = 4.2060
 P.C. Station = 6+43.50 N 1,902,513.7776 E 1,096,277.9927
 P.T. Station = 7+21.69 N 1,902,580.8988 E 1,096,316.9064
 C.C. = N 1,902,458.6657 E 1,096,450.3983
 Back = N 17° 43' 38.03" E
 Ahead = N 42° 28' 44.72" E
 Chord Bear = N 30° 06' 11.38" E

Curve Data

Curve E STCHRLS F-4
 P.I. Station = 7+99.66 N 1,902,638.4067 E 1,096,369.5641
 Delta = 48° 01' 56.65" (RT)
 Degree = 32° 44' 25.60"
 Tangent = 77.9743
 Length = 146.7066
 Radius = 175.0000
 External = 16.5855
 Long Chord = 142.4482
 Mid. Ord. = 15.1497
 P.C. Station = 7+21.69 N 1,902,580.8988 E 1,096,316.9064
 P.T. Station = 8+68.39 N 1,902,637.7106 E 1,096,447.5354
 C.C. = N 1,902,462.7176 E 1,096,445.9731
 Back = N 42° 28' 44.72" E
 Ahead = S 89° 29' 18.63" E
 Chord Bear = N 66° 29' 43.05" E

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...exp\in_ABC_C4_290_R_Data_exelign_63.dgn	DRAWN - TMB	REVISED -			290	2009-0998R	COOK/DUPAGE	309	35		
USER NAME = tblank	CHECKED - JMM	REVISED -			CONTRACT NO. 60157						
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 21 OF 26 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

RAMP E_STCHARLES_G

Point 810 N 1,903,594.7734 E 1,096,587.0707 Sta 0+00.00

Course from 810 to PC E STCHRLS G-1 S 2° 03' 15.10" W Dist 31.9749

Curve Data

Curve E STCHRLS G-1

P.I. Station 1+27.72 N 1,903,467.1342 E 1,096,582.4926
 Delta = 24° 08' 27.94" (RT)
 Degree = 12° 47' 47.99"
 Tangent = 95.7464
 Length = 188.6515
 Radius = 447.7400
 External = 10.1230
 Long Chord = 187.2591
 Mid. Ord. = 9.8991
 P.C. Station 0+31.97 N 1,903,562.8191 E 1,096,585.9246
 P.T. Station 2+20.63 N 1,903,381.2214 E 1,096,540.2271
 C.C. N 1,903,578.8682 E 1,096,138.4723
 Back = S 2° 03' 15.10" W
 Ahead = S 26° 11' 43.04" W
 Chord Bear = S 14° 07' 29.07" W

Course from PT E STCHRLS G-1 to PC E STCHRLS G-2 S 26° 11' 43.04" W Dist 11.9701

Curve Data

Curve E STCHRLS G-2

P.I. Station 3+30.74 N 1,903,282.4162 E 1,096,491.6190
 Delta = 25° 59' 30.33" (RT)
 Degree = 13° 28' 24.36"
 Tangent = 98.1445
 Length = 192.9112
 Radius = 425.2500
 External = 11.1786
 Long Chord = 191.2613
 Mid. Ord. = 10.8923
 P.C. Station 2+32.60 N 1,903,370.4807 E 1,096,534.9431
 P.T. Station 4+25.51 N 1,903,222.2452 E 1,096,414.0832
 C.C. N 1,903,558.1997 E 1,096,153.3685
 Back = S 26° 11' 43.04" W
 Ahead = S 52° 11' 13.37" W
 Chord Bear = S 39° 11' 28.21" W

Course from PT E STCHRLS G-2 to PC E STCHRLS G-3 S 52° 11' 13.37" W Dist 191.3890

Curve Data

Curve E STCHRLS G-3

P.I. Station 6+84.25 N 1,903,063.6133 E 1,096,209.6715
 Delta = 26° 41' 02.40" (LT)
 Degree = 20° 10' 28.45"
 Tangent = 67.3546
 Length = 132.2655
 Radius = 284.0000
 External = 7.8778
 Long Chord = 131.0734
 Mid. Ord. = 7.6652
 P.C. Station 6+16.90 N 1,903,104.9074 E 1,096,262.8828
 P.T. Station 7+49.16 N 1,903,002.8215 E 1,096,180.6714
 C.C. N 1,902,880.5427 E 1,096,436.9991
 Back = S 52° 11' 13.37" W
 Ahead = S 25° 30' 10.97" W
 Chord Bear = S 38° 50' 42.17" W

Course from PT E STCHRLS G-3 to PC E STCHRLS G-4 S 25° 30' 10.97" W Dist 169.0662

RAMP E_STCHARLES_G

Curve Data

Curve E STCHRLS G-4

P.I. Station 10+27.29 N 1,902,751.7972 E 1,096,060.9225
 Delta = 63° 34' 07.07" (RT)
 Degree = 32° 33' 15.91"
 Tangent = 109.0579
 Length = 195.2688
 Radius = 176.0000
 External = 31.0498
 Long Chord = 185.4065
 Mid. Ord. = 26.3935
 P.C. Station 9+18.23 N 1,902,850.2288 E 1,096,107.8784
 P.T. Station 11+13.50 N 1,902,750.0303 E 1,095,951.8789
 C.C. N 1,902,926.0072 E 1,095,949.0274
 Back = S 25° 30' 10.97" W
 Ahead = S 89° 04' 18.04" W
 Chord Bear = S 57° 17' 14.50" W

Course from PT E STCHRLS G-4 to 811 S 89° 04' 18.04" W Dist 123.2782

Point 811 N 1,902,748.0330 E 1,095,828.6169 Sta 12+36.78

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_ABC_C4_290_R_Data_exalign_84.dgn	DRAWN - TMB	REVISED -					290	2009-0998R	COOK/DUPAGE	309	36
USER NAME = colank	CHECKED - JMM	REVISED -					CONTRACT NO. 60157				
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -					SCALE: N.T.S.	SHEET NO. 22 OF 26 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

RAMP E_STCHARLES_H

Curve Data

Curve E STCHRLS H-1
 P.I. Station = 0+52.55 N 1,902,879.1683 E 1,096,589.3741
 Delta = 14° 56' 29.91" (LT)
 Degree = 14° 17' 55.41"
 Tangent = 52.5463
 Length = 104.4963
 Radius = 400.7055
 External = 3.4306
 Long Chord = 104.2005
 Mid. Ord. = 3.4015
 P.C. Station = 0+00.00 N 1,902,826.7587 E 1,096,593.1627
 P.T. Station = 1+04.50 N 1,902,928.8290 E 1,096,572.2006
 C.C. = N 1,902,797.8677 E 1,096,193.5001
 Back = N 4° 08' 04.70" W
 Ahead = N 19° 04' 34.61" W
 Chord Bear = N 11° 36' 19.65" W

Curve Data

Curve E STCHRLS H-2
 P.I. Station = 1+51.32 N 1,902,973.1349 E 1,096,557.0675
 Delta = 19° 02' 20.28" (LT)
 Degree = 20° 31' 18.04"
 Tangent = 46.8191
 Length = 92.7749
 Radius = 279.1964
 External = 3.8984
 Long Chord = 92.3487
 Mid. Ord. = 3.8447
 P.C. Station = 1+04.50 N 1,902,928.8290 E 1,096,572.2006
 P.T. Station = 1+97.27 N 1,903,010.0805 E 1,096,528.3091
 C.C. = N 1,902,838.5856 E 1,096,307.9909
 Back = N 18° 51' 29.11" W
 Ahead = N 37° 53' 49.39" W
 Chord Bear = N 28° 22' 39.25" W

Curve Data

Curve E STCHRLS H-3
 P.I. Station = 18+16.61 N 1,904,300.6121 E 1,095,550.1488
 Delta = 168° 42' 44.72" (LT)
 Degree = 35° 48' 13.37"
 Tangent = 1,619.3423
 Length = 471.2149
 Radius = 160.0275
 External = 1,467.2027
 Long Chord = 318.5035
 Mid. Ord. = 144.2898
 P.C. Station = 1+97.27 N 1,903,010.0805 E 1,096,528.3091
 P.T. Station = 6+68.49 N 1,902,843.5843 E 1,096,256.7884
 C.C. = N 1,902,913.4162 E 1,096,400.7755
 Back = N 37° 09' 37.30" W
 Ahead = S 25° 52' 22.02" E
 Chord Bear = S 58° 29' 00.34" W

RAMP E_STCHARLES_H

Curve Data

Curve E STCHRLS H-4
 P.I. Station = 7+20.03 N 1,902,797.2042 E 1,096,279.2821
 Delta = 28° 46' 02.36" (LT)
 Degree = 28° 30' 19.31"
 Tangent = 51.5469
 Length = 100.9190
 Radius = 201.0000
 External = 6.5044
 Long Chord = 99.8623
 Mid. Ord. = 6.3005
 P.C. Station = 6+68.49 N 1,902,843.5843 E 1,096,256.7884
 P.T. Station = 7+69.41 N 1,902,767.3735 E 1,096,321.3204
 C.C. = N 1,902,931.2956 E 1,096,437.6412
 Back = S 25° 52' 22.02" E
 Ahead = S 54° 38' 24.38" E
 Chord Bear = S 40° 15' 23.20" E

Curve Data

Curve E STCHRLS H-5
 P.I. Station = 7+84.41 N 1,902,758.6925 E 1,096,333.5538
 Delta = 17° 03' 43.55" (LT)
 Degree = 57° 17' 44.81"
 Tangent = 15.0005
 Length = 29.7790
 Radius = 100.0000
 External = 1.1188
 Long Chord = 29.6691
 Mid. Ord. = 1.1064
 P.C. Station = 7+69.41 N 1,902,767.3735 E 1,096,321.3204
 P.T. Station = 7+99.18 N 1,902,753.9830 E 1,096,347.7958
 C.C. = N 1,902,848.9268 E 1,096,379.1914
 Back = S 54° 38' 24.38" E
 Ahead = S 71° 42' 07.93" E
 Chord Bear = S 63° 10' 16.16" E

Curve Data

Curve E STCHRLS H-6
 P.I. Station = 8+72.14 N 1,902,731.0792 E 1,096,417.0595
 Delta = 16° 57' 20.25" (LT)
 Degree = 11° 42' 23.73"
 Tangent = 72.9523
 Length = 144.8383
 Radius = 489.4318
 External = 5.4071
 Long Chord = 144.3103
 Mid. Ord. = 5.3480
 P.C. Station = 7+99.18 N 1,902,753.9830 E 1,096,347.7958
 P.T. Station = 9+44.02 N 1,902,729.3704 E 1,096,489.9918
 C.C. = N 1,903,218.6679 E 1,096,501.4558
 Back = S 71° 42' 07.93" E
 Ahead = S 88° 39' 28.18" E
 Chord Bear = S 80° 10' 48.05" E

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\exp\in_ABC_C4_290_R_Data\exalign_65.dgn	DRAWN - TMB	REVISED -				290	2009-0998R	COOK/DUPAGE	309	37
USER NAME = colank	CHECKED - JMM	REVISED -				CONTRACT NO. 60157				
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -				SCALE: N.T.S.	SHEET NO. 23 OF 26 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

RAMP E_1294_A

Point 830 N 1,899,954.4604 E 1,096,624.5778 Sta 0+00.00

Course from 830 to PC E 1294 A-1 S 1° 39' 49.37" W Dist 514.6750

Curve Data

Curve E 1294 A-1
 P.I. Station 6+15.68 N 1,899,339.0409 E 1,096,606.7027
 Delta = 20° 48' 43.66" (RT)
 Degree = 10° 25' 02.69"
 Tangent = 101.0041
 Length = 199.7821
 Radius = 550.0000
 External = 9.1975
 Long Chord = 198.6856
 Mid. Ord. = 9.0462
 P.C. Station 5+14.68 N 1,899,440.0023 E 1,096,609.6351
 P.T. Station 7+14.46 N 1,899,245.7090 E 1,096,568.0894
 C.C. N 1,899,455.9706 E 1,096,059.8670
 Back = S 1° 39' 49.37" W
 Ahead = S 22° 28' 33.03" W
 Chord Bear = S 12° 04' 11.20" W

Course from PT E 1294 A-1 to PC E 1294 A-2 S 22° 28' 33.03" W Dist 156.4672

Curve Data

Curve E 1294 A-2
 P.I. Station 12+39.64 N 1,898,774.1879 E 1,096,337.8040
 Delta = 76° 38' 17.72" (LT)
 Degree = 12° 16' 50.61"
 Tangent = 368.7124
 Length = 624.0532
 Radius = 466.5505
 External = 128.1075
 Long Chord = 578.5609
 Mid. Ord. = 100.5092
 P.C. Station 8+70.92 N 1,899,101.1270 E 1,096,508.2730
 P.T. Station 14+94.98 N 1,898,532.7784 E 1,096,616.4978
 C.C. N 1,898,885.4239 E 1,096,921.9656
 Back = S 27° 32' 16.60" W
 Ahead = S 49° 06' 01.11" E
 Chord Bear = S 10° 46' 52.26" E

Course from PT E 1294 A-2 to PC E 1294 A-3 S 48° 15' 01.10" E Dist 210.5982

Curve Data

Curve E 1294 A-3
 P.I. Station 18+60.45 N 1,898,290.6871 E 1,096,890.2796
 Delta = 21° 52' 12.44" (RT)
 Degree = 7° 08' 51.72"
 Tangent = 154.8721
 Length = 305.9742
 Radius = 801.5974
 External = 14.8239
 Long Chord = 304.1201
 Mid. Ord. = 14.5547
 P.C. Station 17+05.58 N 1,898,392.5458 E 1,096,773.6169
 P.T. Station 20+11.55 N 1,898,152.7019 E 1,096,960.6034
 C.C. N 1,897,788.7152 E 1,096,246.4101
 Back = S 48° 52' 32.39" E
 Ahead = S 27° 00' 19.96" E
 Chord Bear = S 37° 56' 26.17" E

Curve Data

Curve E 1294 A-4
 P.I. Station 22+26.50 N 1,897,961.0146 E 1,097,057.8663
 Delta = 17° 17' 19.93" (RT)
 Degree = 4° 03' 08.54"
 Tangent = 214.9513
 Length = 426.6357
 Radius = 1,413.8824
 External = 16.2461
 Long Chord = 425.0190
 Mid. Ord. = 16.0615
 P.C. Station 20+11.55 N 1,898,152.7019 E 1,096,960.6034
 P.T. Station 24+38.19 N 1,897,749.0825 E 1,097,093.7672
 C.C. N 1,897,512.9375 E 1,095,699.7446
 Back = S 26° 54' 12.25" E
 Ahead = S 9° 36' 52.32" E
 Chord Bear = S 18° 15' 32.29" E

RAMP E_1294_B

Point 840 N 1,898,075.2967 E 1,097,399.6230 Sta 0+00.00

Course from 840 to PC E 1294 B-1 S 53° 22' 26.99" E Dist 68.5069

Curve Data

Curve E 1294 B-1
 P.I. Station 2+37.53 N 1,897,947.4162 E 1,097,599.5087
 Delta = 95° 33' 59.21" (LT)
 Degree = 37° 21' 45.91"
 Tangent = 169.0220
 Length = 255.7800
 Radius = 153.3500
 External = 74.8706
 Long Chord = 227.1444
 Mid. Ord. = 50.3084
 P.C. Station 0+68.51 N 1,898,034.4264 E 1,097,454.6030
 P.T. Station 3+24.29 N 1,898,100.0785 E 1,097,672.0528
 C.C. N 1,898,165.8962 E 1,097,533.5455
 Back = S 59° 01' 00.53" E
 Ahead = N 25° 25' 00.27" E
 Chord Bear = N 73° 11' 59.87" E

Curve Data

Curve E 1294 B-2
 P.I. Station 4+35.23 N 1,898,200.2844 E 1,097,719.6699
 Delta = 35° 07' 42.22" (LT)
 Degree = 16° 20' 48.73"
 Tangent = 110.9441
 Length = 214.8937
 Radius = 350.5000
 External = 17.1396
 Long Chord = 211.5437
 Mid. Ord. = 16.3405
 P.C. Station 3+24.29 N 1,898,100.0785 E 1,097,672.0528
 P.T. Station 5+39.18 N 1,898,309.6386 E 1,097,700.9548
 C.C. N 1,898,250.5128 E 1,097,355.4777
 Back = N 25° 25' 00.27" E
 Ahead = N 9° 42' 41.96" W
 Chord Bear = N 7° 51' 09.16" E

Curve Data

Curve E 1294 B-3
 P.I. Station 6+91.99 N 1,898,460.2570 E 1,097,675.1775
 Delta = 26° 51' 26.63" (LT)
 Degree = 8° 57' 08.88"
 Tangent = 152.8083
 Length = 300.0000
 Radius = 640.0000
 External = 17.9896
 Long Chord = 297.2610
 Mid. Ord. = 17.4978
 P.C. Station 5+39.18 N 1,898,309.6386 E 1,097,700.9548
 P.T. Station 8+39.18 N 1,898,582.9834 E 1,097,584.1357
 C.C. N 1,898,201.6771 E 1,097,070.1265
 Back = N 9° 42' 41.96" W
 Ahead = N 36° 34' 08.59" W
 Chord Bear = N 23° 08' 25.27" W

RAMP E_1294_B

Curve Data

Curve E 1294 B-4
 P.I. Station 9+42.75 N 1,898,667.5463 E 1,097,524.3412
 Delta = 49° 44' 00.18" (LT)
 Degree = 25° 38' 26.04"
 Tangent = 103.5677
 Length = 193.9637
 Radius = 223.4575
 External = 22.8340
 Long Chord = 187.9316
 Mid. Ord. = 20.7171
 P.C. Station 8+39.18 N 1,898,582.9834 E 1,097,584.1357
 P.T. Station 10+33.14 N 1,898,676.5773 E 1,097,421.1681
 C.C. N 1,898,453.9709 E 1,097,401.6828
 Back = N 35° 15' 50.90" W
 Ahead = N 84° 59' 51.08" W
 Chord Bear = N 60° 07' 50.99" W

Curve Data

Curve E 1294 B-5
 P.I. Station 11+65.06 N 1,898,681.0558 E 1,097,289.3319
 Delta = 71° 23' 24.08" (LT)
 Degree = 31° 12' 19.19"
 Tangent = 131.9122
 Length = 228.7751
 Radius = 183.6089
 External = 42.4730
 Long Chord = 214.2608
 Mid. Ord. = 34.4938
 P.C. Station 10+33.14 N 1,898,676.5773 E 1,097,421.1681
 P.T. Station 12+61.92 N 1,898,557.5421 E 1,097,243.0156
 C.C. N 1,898,493.0742 E 1,097,414.9345
 Back = N 88° 03' 15.94" W
 Ahead = S 20° 33' 19.98" W
 Chord Bear = S 56° 15' 02.02" W

Curve Data

Curve E 1294 B-6
 P.I. Station 13+35.99 N 1,898,488.2592 E 1,097,216.8305
 Delta = 25° 38' 39.42" (LT)
 Degree = 17° 36' 24.00"
 Tangent = 74.0661
 Length = 145.6510
 Radius = 325.4209
 External = 8.3223
 Long Chord = 144.4383
 Mid. Ord. = 8.1148
 P.C. Station 12+61.92 N 1,898,557.5421 E 1,097,243.0156
 P.T. Station 14+07.57 N 1,898,414.4683 E 1,097,223.2092
 C.C. N 1,898,442.4940 E 1,097,547.4210
 Back = S 20° 42' 13.59" W
 Ahead = S 4° 56' 25.84" E
 Chord Bear = S 7° 52' 53.88" W

FILE NAME =	DESIGNED - AJP	REVISED -
...expln.ABC.C4.298.R.Data.expln.66.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 CURVE DATA**

SCALE: N.T.S. SHEET NO. 24 OF 26 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	38
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60157	

RAMP E_1294_C

Point 850 N 1,897,430.5399 E 1,098,354.8341 Sta 0+00.00

Course from 850 to 851 N 60° 28' 25.52" W Dist 174.7857

Point 851 N 1,897,516.6782 E 1,098,202.7478 Sta 1+74.79

Course from 851 to PC E 1294 C-1 N 58° 01' 32.77" W Dist 110.0100

Curve Data

Curve E 1294 C-1

P.I. Station = 3+66.87 N 1,897,619.1420 E 1,098,040.2809
 Delta = 21° 12' 17.94" (RT)
 Degree = 13° 04' 05.13"
 Tangent = 82.0716
 Length = 162.2653
 Radius = 438.4403
 External = 7.6154
 Long Chord = 161.3409
 Mid. Ord. = 7.4853
 P.C. Station = 2+84.80 N 1,897,574.9327 E 1,098,109.4278
 P.T. Station = 4+47.06 N 1,897,685.3688 E 1,097,991.8066
 C.C. = N 1,897,944.3267 E 1,098,345.6014
 Back = N 57° 24' 25.27" W
 Ahead = N 36° 12' 07.33" W
 Chord Bear = N 46° 48' 16.30" W

Curve Data

Curve E 1294 C-2

P.I. Station = 6+63.43 N 1,897,848.1160 E 1,097,849.2201
 Delta = 33° 20' 42.61" (RT)
 Degree = 7° 55' 50.07"
 Tangent = 216.3737
 Length = 420.4634
 Radius = 722.4668
 External = 31.7055
 Long Chord = 414.5546
 Mid. Ord. = 30.3726
 P.C. Station = 4+47.06 N 1,897,685.3688 E 1,097,991.8066
 P.T. Station = 8+67.52 N 1,898,062.4480 E 1,097,819.5662
 C.C. = N 1,898,161.4619 E 1,098,535.2159
 Back = N 41° 13' 20.39" W
 Ahead = N 7° 52' 37.77" W
 Chord Bear = N 24° 32' 59.08" W

Curve Data

Curve E 1294 C-3

P.I. Station = 13+75.77 N 1,898,567.2548 E 1,097,760.5595
 Delta = 41° 42' 38.53" (LT)
 Degree = 7° 59' 59.72"
 Tangent = 272.8525
 Length = 521.3889
 Radius = 716.2042
 External = 50.2141
 Long Chord = 509.9516
 Mid. Ord. = 46.9241
 P.C. Station = 11+02.92 N 1,898,296.3124 E 1,097,792.7880
 P.T. Station = 16+24.31 N 1,898,748.0732 E 1,097,556.2236
 C.C. = N 1,898,211.7165 E 1,097,081.5974
 Back = N 6° 47' 00.39" W
 Ahead = N 48° 29' 38.91" W
 Chord Bear = N 27° 38' 19.65" W

Course from PT E 1294 C-3 to PC E 1294 C-4 N 46° 06' 30.59" W Dist 243.8950

RAMP E_1294_C

Curve Data

Curve E 1294 C-4

P.I. Station = 20+12.66 N 1,899,023.5089 E 1,097,282.6904
 Delta = 13° 53' 15.39" (RT)
 Degree = 4° 49' 49.76"
 Tangent = 144.4575
 Length = 287.4991
 Radius = 1,186.1282
 External = 8.7643
 Long Chord = 286.7959
 Mid. Ord. = 8.7000
 P.C. Station = 18+68.20 N 1,898,917.1644 E 1,097,380.4596
 P.T. Station = 21+55.70 N 1,899,150.2112 E 1,097,213.3038
 C.C. = N 1,899,719.9389 E 1,098,253.6454
 Back = N 42° 35' 39.40" W
 Ahead = N 28° 42' 24.01" W
 Chord Bear = N 35° 39' 01.70" W

Curve Data

Curve E 1294 C-5

P.I. Station = 23+51.85 N 1,899,322.2486 E 1,097,119.0901
 Delta = 23° 04' 23.32" (RT)
 Degree = 5° 57' 44.76"
 Tangent = 196.1456
 Length = 386.9753
 Radius = 960.9464
 External = 19.8141
 Long Chord = 384.3658
 Mid. Ord. = 19.4138
 P.C. Station = 21+55.70 N 1,899,150.2112 E 1,097,213.3038
 P.T. Station = 25+42.68 N 1,899,517.4468 E 1,097,099.8354
 C.C. = N 1,899,611.7783 E 1,098,056.1405
 Back = N 28° 42' 24.01" W
 Ahead = N 5° 38' 00.69" W
 Chord Bear = N 17° 10' 12.35" W

RAMP E_1294_D

Curve Data

Curve E 1294 D-1

P.I. Station = 1+22.65 N 1,898,456.0485 E 1,096,945.8156
 Delta = 18° 43' 41.78" (LT)
 Degree = 7° 42' 11.78"
 Tangent = 122.6545
 Length = 243.1210
 Radius = 743.7849
 External = 10.0454
 Long Chord = 242.0401
 Mid. Ord. = 9.9115
 P.C. Station = 0+00.00 N 1,898,357.9559 E 1,097,019.4497
 P.T. Station = 2+43.12 N 1,898,525.3047 E 1,096,844.5846
 C.C. = N 1,897,911.4336 E 1,096,424.6105
 Back = N 36° 53' 38.78" W
 Ahead = N 55° 37' 20.57" W
 Chord Bear = N 46° 15' 29.67" W

Course from PT E 1294 D-1 to PC E 1294 D-2 N 53° 19' 30.89" W Dist 159.5177

Curve Data

Curve E 1294 D-2

P.I. Station = 7+65.71 N 1,898,822.0848 E 1,096,414.6295
 Delta = 95° 10' 51.63" (RT)
 Degree = 17° 16' 36.12"
 Tangent = 363.0670
 Length = 550.9212
 Radius = 331.6361
 External = 160.0957
 Long Chord = 489.7228
 Mid. Ord. = 107.9725
 P.C. Station = 4+02.64 N 1,898,620.5801 E 1,096,716.6453
 P.T. Station = 9+53.56 N 1,899,104.6703 E 1,096,642.5837
 C.C. = N 1,898,896.4501 E 1,096,900.7056
 Back = N 56° 17' 19.70" W
 Ahead = N 38° 53' 31.93" E
 Chord Bear = N 8° 41' 53.89" W

Course from PT E 1294 D-2 to PC E 1294 D-3 N 37° 54' 29.97" E Dist 176.7089

Curve Data

Curve E 1294 D-3

P.I. Station = 13+30.95 N 1,899,402.4305 E 1,096,874.4533
 Delta = 36° 59' 14.10" (LT)
 Degree = 9° 32' 57.47"
 Tangent = 200.6830
 Length = 387.3296
 Radius = 600.0000
 External = 32.6718
 Long Chord = 380.6390
 Mid. Ord. = 30.9846
 P.C. Station = 11+30.27 N 1,899,244.0927 E 1,096,751.1537
 P.T. Station = 15+17.60 N 1,899,603.0875 E 1,096,877.6793
 C.C. = N 1,899,612.7326 E 1,096,277.7568
 Back = N 37° 54' 29.97" E
 Ahead = N 0° 55' 15.87" E
 Chord Bear = N 19° 24' 52.92" E

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USER NAME = colenk	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-290 CURVE DATA**

SCALE: N.T.S. SHEET NO. 25 OF 26 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	39
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	

RAMP E_1294_C

Point 850 N 1,897,430.5399 E 1,098,354.8341 Sta 0+00.00

Course from 850 to 851 N 60° 28' 25.52" W Dist 174.7857

Point 851 N 1,897,516.6782 E 1,098,202.7478 Sta 1+74.79

Course from 851 to PC E 1294 C-1 N 58° 01' 32.77" W Dist 110.0100

Curve Data

Curve E 1294 C-1
 P.I. Station 3+66.87 N 1,897,619.1420 E 1,098,040.2809
 Delta = 21° 12' 17.94" (RT)
 Degree = 13° 04' 05.13"
 Tangent = 82.0716
 Length = 162.2653
 Radius = 438.4403
 External = 7.6154
 Long Chord = 161.3409
 Mid. Ord. = 7.4853
 P.C. Station 2+84.80 N 1,897,574.9327 E 1,098,109.4278
 P.T. Station 4+47.06 N 1,897,685.3688 E 1,097,991.8066
 C.C. N 1,897,944.3267 E 1,098,345.6014
 Back = N 57° 24' 25.27" W
 Ahead = N 36° 12' 07.33" W
 Chord Bear = N 46° 48' 16.30" W

Curve Data

Curve E 1294 C-2
 P.I. Station 6+63.43 N 1,897,848.1160 E 1,097,849.2201
 Delta = 33° 20' 42.61" (RT)
 Degree = 7° 55' 50.07"
 Tangent = 216.3737
 Length = 420.4634
 Radius = 722.4668
 External = 31.7055
 Long Chord = 414.5546
 Mid. Ord. = 30.3726
 P.C. Station 4+47.06 N 1,897,685.3688 E 1,097,991.8066
 P.T. Station 8+67.52 N 1,898,062.4480 E 1,097,819.5662
 C.C. N 1,898,161.4619 E 1,098,535.2159
 Back = N 41° 13' 20.39" W
 Ahead = N 7° 52' 37.77" W
 Chord Bear = N 24° 32' 59.08" W

Curve Data

Curve E 1294 C-3
 P.I. Station 13+75.77 N 1,898,567.2548 E 1,097,760.5595
 Delta = 41° 42' 38.53" (LT)
 Degree = 7° 59' 59.72"
 Tangent = 272.8525
 Length = 521.3889
 Radius = 716.2042
 External = 50.2141
 Long Chord = 509.9516
 Mid. Ord. = 46.9241
 P.C. Station 11+02.92 N 1,898,296.3124 E 1,097,792.7880
 P.T. Station 16+24.31 N 1,898,748.0732 E 1,097,556.2236
 C.C. N 1,898,211.7165 E 1,097,081.5974
 Back = N 6° 47' 00.39" W
 Ahead = N 48° 29' 38.91" W
 Chord Bear = N 27° 38' 19.65" W

Course from PT E 1294 C-3 to PC E 1294 C-4 N 46° 06' 30.59" W Dist 243.8950

RAMP E_1294_C

Curve Data

Curve E 1294 C-4
 P.I. Station 20+12.66 N 1,899,023.5089 E 1,097,282.6904
 Delta = 13° 53' 15.39" (RT)
 Degree = 4° 49' 49.76"
 Tangent = 144.4575
 Length = 287.4991
 Radius = 1,186.1282
 External = 8.7643
 Long Chord = 286.7959
 Mid. Ord. = 8.7000
 P.C. Station 18+68.20 N 1,898,917.1644 E 1,097,380.4596
 P.T. Station 21+55.70 N 1,899,150.2112 E 1,097,213.3038
 C.C. N 1,899,719.9389 E 1,098,253.6454
 Back = N 42° 35' 39.40" W
 Ahead = N 28° 42' 24.01" W
 Chord Bear = N 35° 39' 01.70" W

Curve Data

Curve E 1294 C-5
 P.I. Station 23+51.85 N 1,899,322.2486 E 1,097,119.0901
 Delta = 23° 04' 23.32" (RT)
 Degree = 5° 57' 44.76"
 Tangent = 196.1456
 Length = 386.9753
 Radius = 960.9464
 External = 19.8141
 Long Chord = 384.3658
 Mid. Ord. = 19.4138
 P.C. Station 21+55.70 N 1,899,150.2112 E 1,097,213.3038
 P.T. Station 25+42.68 N 1,899,517.4468 E 1,097,099.8354
 C.C. N 1,899,611.7783 E 1,098,056.1405
 Back = N 28° 42' 24.01" W
 Ahead = N 5° 38' 00.69" W
 Chord Bear = N 17° 10' 12.35" W

RAMP E_1294_D

Curve Data

Curve E 1294 D-1
 P.I. Station 1+22.65 N 1,898,456.0485 E 1,096,945.8156
 Delta = 18° 43' 41.78" (LT)
 Degree = 7° 42' 11.78"
 Tangent = 122.6545
 Length = 243.1210
 Radius = 743.7849
 External = 10.0454
 Long Chord = 242.0401
 Mid. Ord. = 9.9115
 P.C. Station 0+00.00 N 1,898,357.9559 E 1,097,019.4497
 P.T. Station 2+43.12 N 1,898,525.3047 E 1,096,844.5846
 C.C. N 1,897,911.4336 E 1,096,424.6105
 Back = N 36° 53' 38.78" W
 Ahead = N 55° 37' 20.57" W
 Chord Bear = N 46° 15' 29.67" W

Course from PT E 1294 D-1 to PC E 1294 D-2 N 53° 19' 30.89" W Dist 159.5177

Curve Data

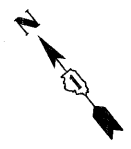
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 Delta = 95° 10' 51.63" (RT)
 Degree = 17° 16' 36.12"
 Tangent = 363.0670
 Length = 550.9212
 Radius = 331.6361
 External = 160.0957
 Long Chord = 489.7228
 Mid. Ord. = 107.9725
 P.C. Station 4+02.64 N 1,898,620.5801 E 1,096,716.6453
 P.T. Station 9+53.56 N 1,899,104.6703 E 1,096,642.5837
 C.C. N 1,898,896.4501 E 1,096,900.7056
 Back = N 56° 17' 19.70" W
 Ahead = N 38° 53' 31.93" E
 Chord Bear = N 8° 41' 53.89" W

Course from PT E 1294 D-2 to PC E 1294 D-3 N 37° 54' 29.97" E Dist 176.7089

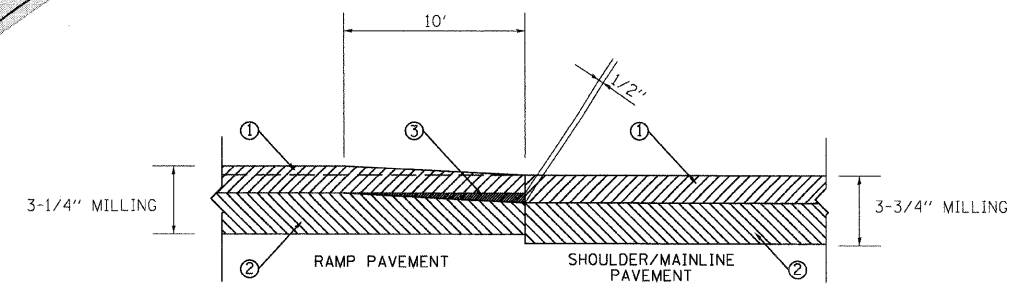
Curve Data

Curve E 1294 D-3
 P.I. Station 13+30.95 N 1,899,402.4305 E 1,096,874.4533
 Delta = 36° 59' 14.10" (LT)
 Degree = 9° 32' 57.47"
 Tangent = 200.6830
 Length = 387.3296
 Radius = 600.0000
 External = 32.6718
 Long Chord = 380.6390
 Mid. Ord. = 30.9846
 P.C. Station 11+30.27 N 1,899,244.0927 E 1,096,751.1537
 P.T. Station 15+17.60 N 1,899,603.0875 E 1,096,877.6793
 C.C. N 1,899,612.7326 E 1,096,277.7568
 Back = N 37° 54' 29.97" E
 Ahead = N 0° 55' 15.87" E
 Chord Bear = N 19° 24' 52.92" E

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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USER NAME = tb:ank	CHECKED - JMM	REVISED -			CONTRACT NO. 60157						
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 26 OF 26 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



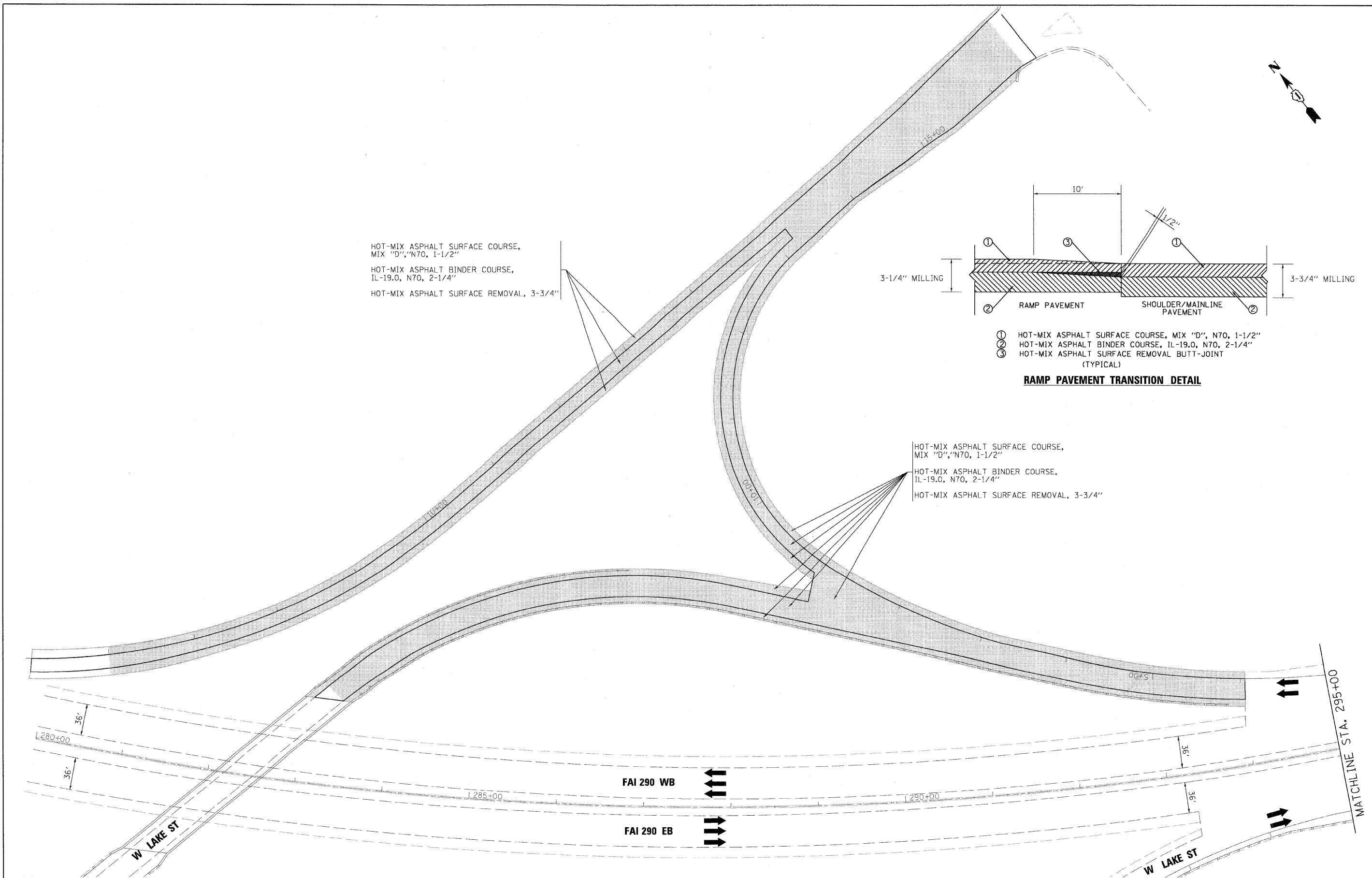
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MIX "D", N70, 1-1/2"
HOT-MIX ASPHALT BINDER COURSE,
IL-19.0, N70, 2-1/4"
HOT-MIX ASPHALT SURFACE REMOVAL, 3-3/4"



- 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

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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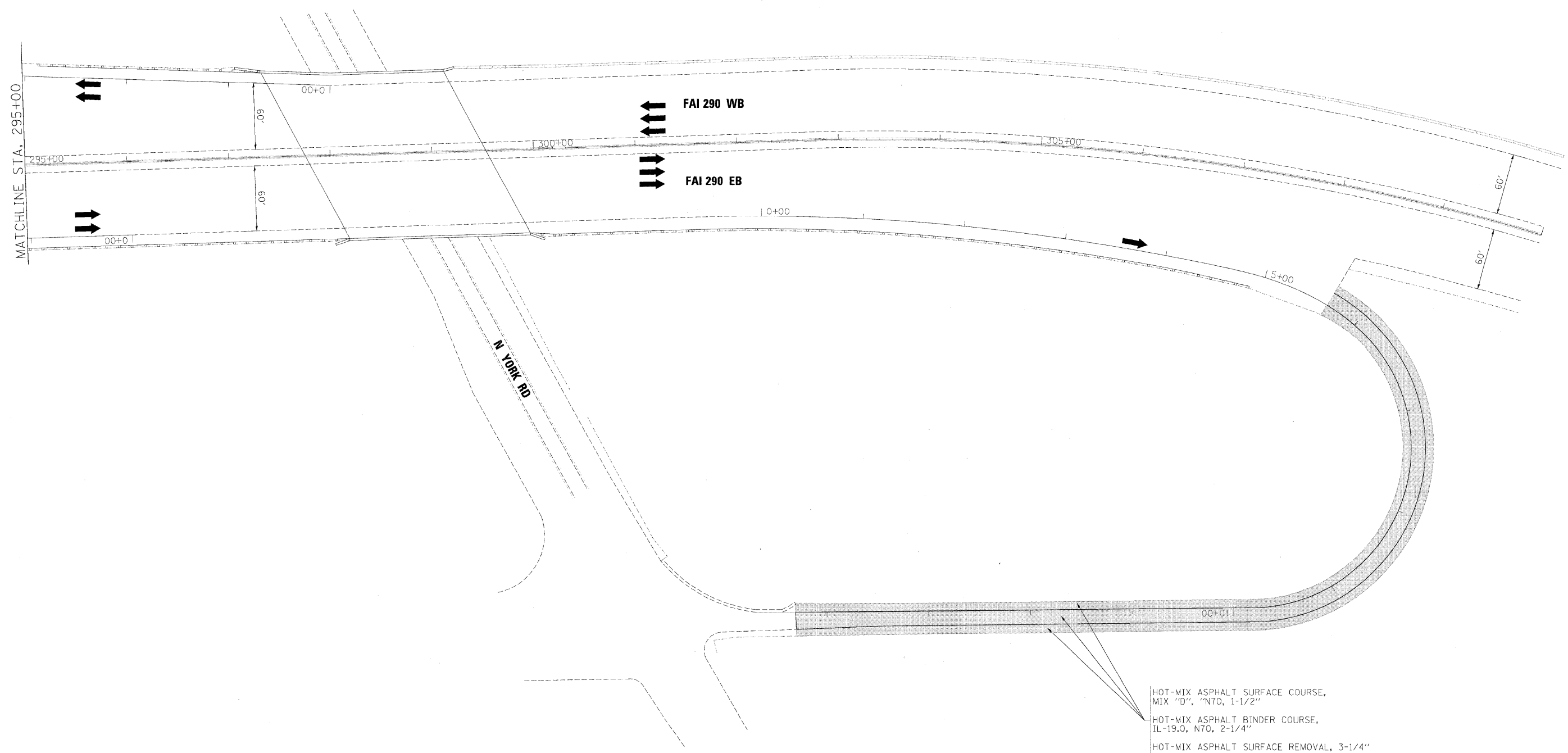
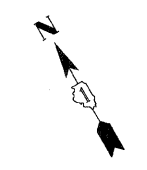
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
I-290 LAKE ST RAMPS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



FILE NAME =	DESIGNED - AJP	REVISED -
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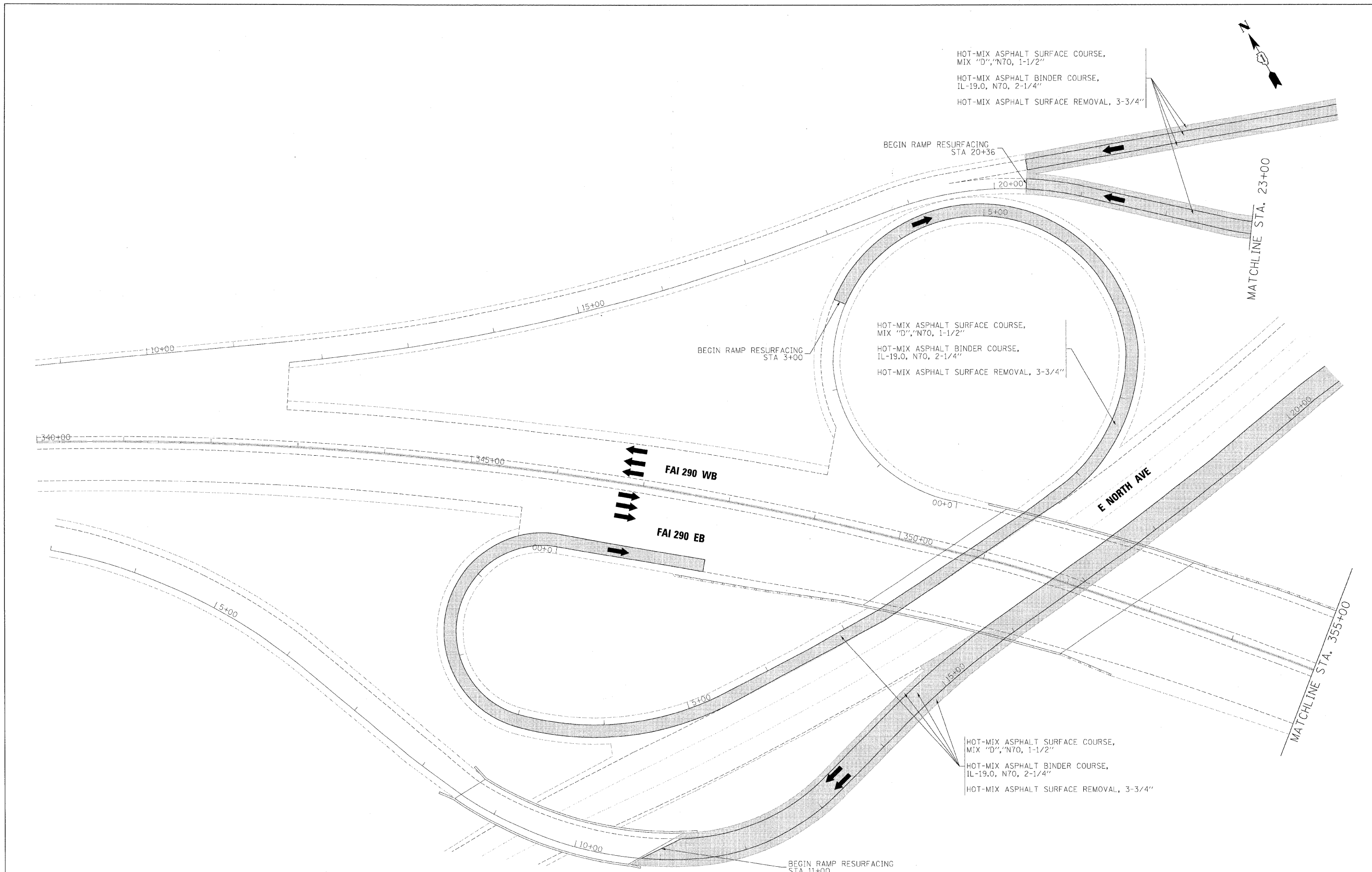
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
I-290 YORK RD RAMPS**

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	42
CONTRACT NO. 60157			ILLINOIS FED. AID PROJECT	



FILE NAME =	DESIGNED - AJP	REVISED -
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PLOT DATE = 1/13/2009	DATE - 10/16/09	REVISED -

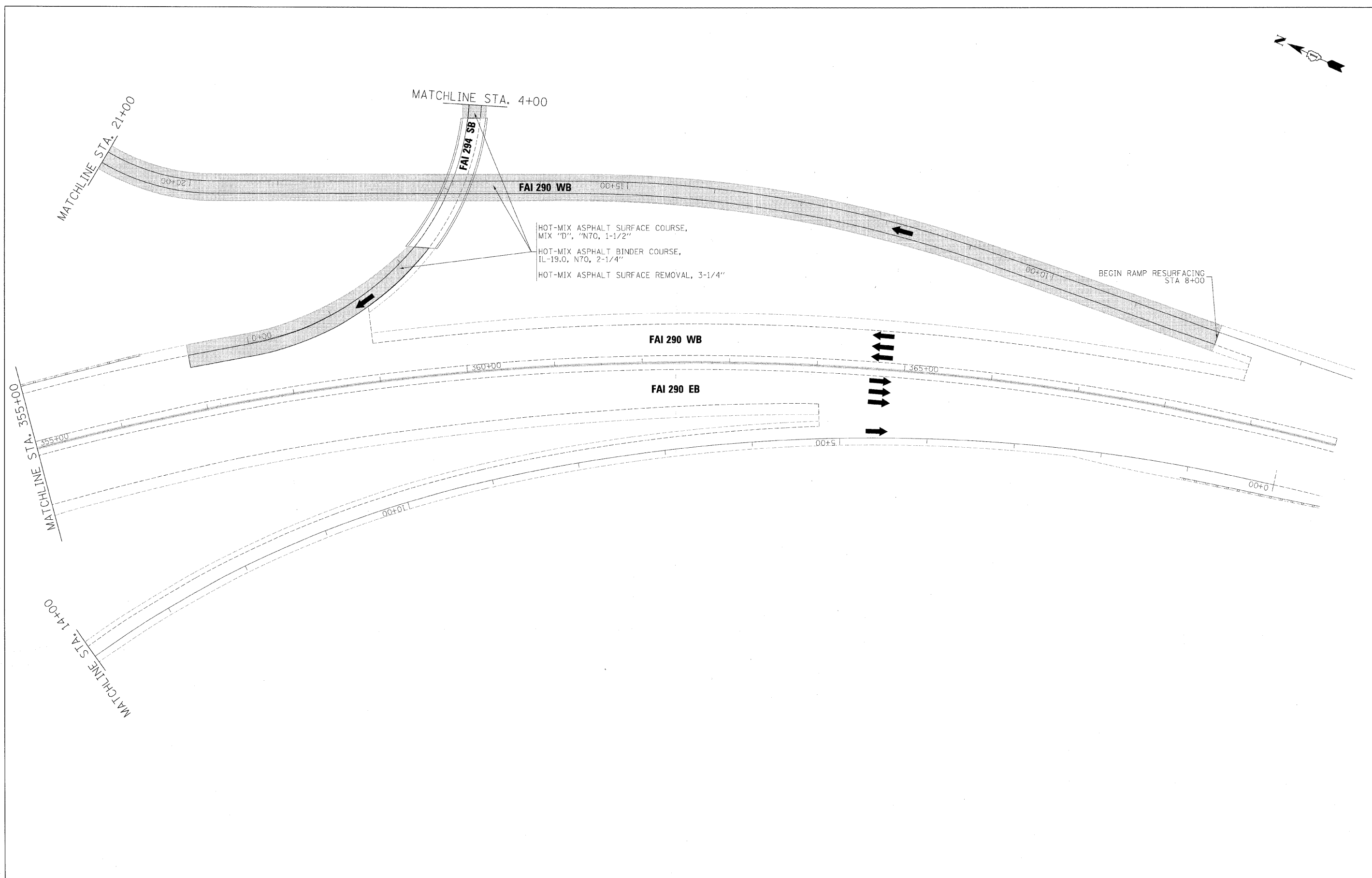
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
I-290 NORTH AVE RAMPS**

SCALE: 1"=50' SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	43
CONTRACT NO. 60157				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	DESIGNED - AJP	REVISED -
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USER NAME = jnojewski	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED

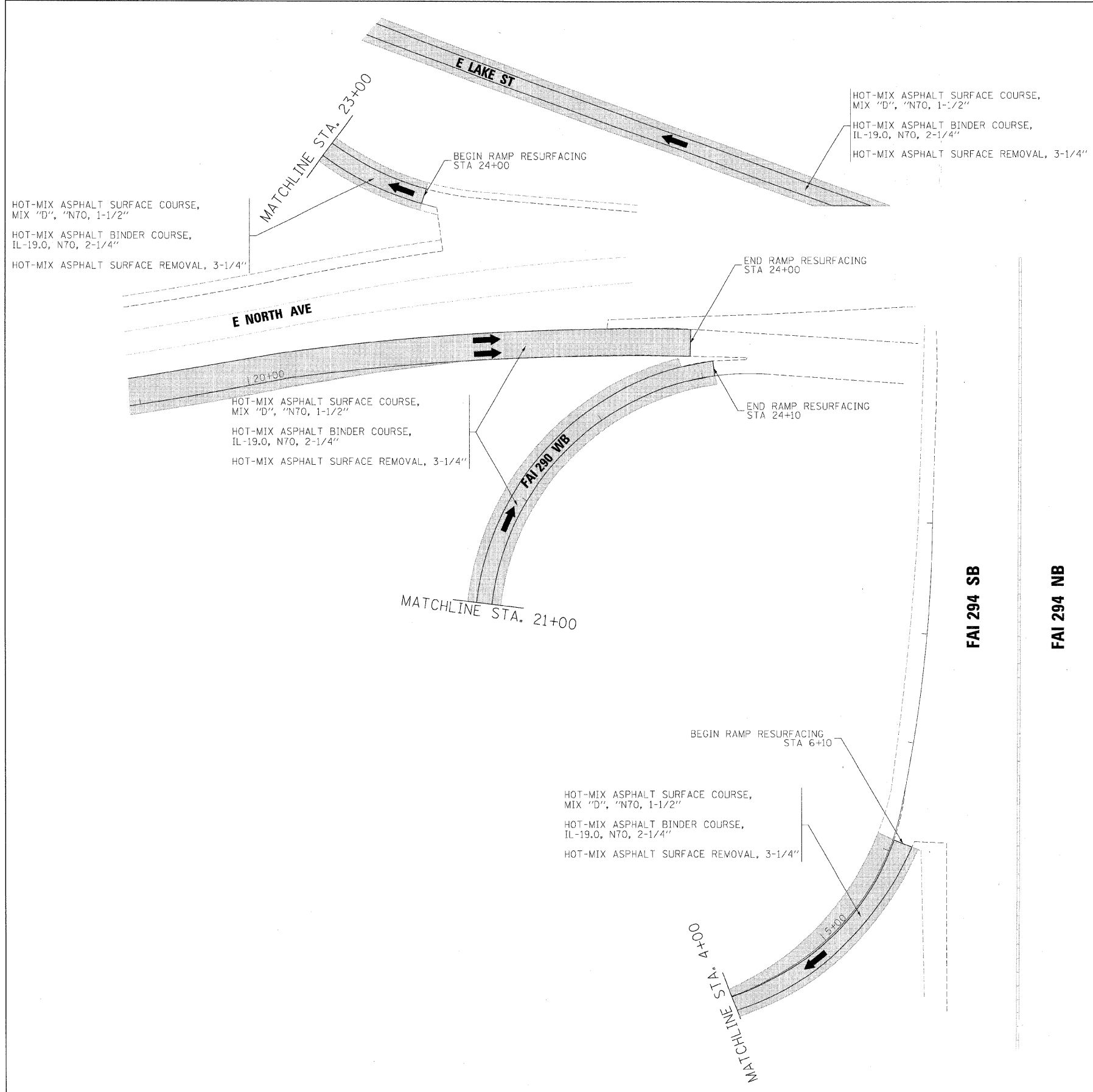
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
I-290 NORTH AVE RAMP**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	44
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60157	



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...\\orpin_abc.c4.298.plan.54.dgn	DRAWN - TWB	REVISED -
USER NAME = jma_jewaki	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
I-290 NORTH AVE RAMPS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	45
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	

STAGE 1

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

TRAFFIC

EB I-290

- FROM THE WESTERN PROJECT LIMITS, TRAFFIC WILL BE REDUCED TO TWO LANES EASTBOUND. THE LANE CONFIGURATION AND ADVANCED SIGNAGE REQUIRED WEST OF THE PROJECT LIMITS WILL BE COORDINATED WITH CONTRACT 60G51.
- TWO WESTBOUND LANES WILL BE MAINTAINED TO WEST OF THE YORK ROAD BRIDGE AND SHIFTED TO THE INSIDE SHOULDER. A THIRD LANE WILL BE ADDED WITH THE ENTRANCE RAMP AT THE YORK ROAD BRIDGE.
- TRAFFIC WILL SHIFT BACK TO THE EXISTING LANES EAST OF THE YORK ROAD BRIDGE. A 4TH LANE WILL BE ADDED TO THE OUTSIDE AFTER YORK ROAD. THE TWO OUTSIDE LANES WILL EXIT AT IL-64/NORTH AVENUE, WITH THE TWO INSIDE LANES SHIFTING TO THE INSIDE SHOULDER.
- TWO LANES OF TRAFFIC WILL REMAIN SHIFTED TO THE INSIDE SHOULDER EAST TO THE PROJECT LIMIT. THE LANE CONFIGURATION AND SIGNAGE REQUIRED AT THE EAST END OF THE PROJECT LIMITS WILL BE COORDINATED WITH CONTRACT 60G52.

WB I-290

- FROM THE EASTERN PROJECT LIMITS, THE OUTSIDE 3RD LANE WILL BE CLOSED. THE LANE CONFIGURATION AND ADVANCED SIGNAGE REQUIRED EAST OF THE PROJECT LIMITS WILL BE COORDINATED WITH CONTRACT 60G52.
- TWO WESTBOUND LANES WILL BE MAINTAINED SHIFTED ONTO THE INSIDE SHOULDER FROM THE EAST CONTRACT LIMIT TO WEST OF THE IL-64/NORTH AVENUE BRIDGE.
- THE LOOP RAMP FROM WESTBOUND I-290 TO WESTBOUND NORTH AVENUE WILL BE CLOSED TO TRAFFIC. TRAFFIC FOR WESTBOUND NORTH AVENUE WILL BE DETOURED TO THE YORK ROAD EXIT.
- WEST OF NORTH AVENUE, TRAFFIC WILL SHIFT ONTO THE EXISTING INSIDE AND MIDDLE LANES. AN AUXILIARY LANE WILL BE ADDED FROM THE NORTH AVENUE ENTRANCE RAMP TO THE YORK ROAD EXIT RAMP.
- TWO LANES OF TRAFFIC WILL BE MAINTAINED ON THE INSIDE AND MIDDLE LANES TO THE CONTRACT WEST LIMIT. THE LANE CONFIGURATION AND SIGNAGE REQUIRED AT THE WEST END OF THE PROJECT LIMITS WILL BE COORDINATED WITH CONTRACT 60G51.

CONSTRUCTION

WORK ON CONTRACT ITEMS WHERE POSSIBLE 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 & I-290 WB OVER YORK RD. (SN 022-0005 & SN 022-0006)

- REPAIR BRIDGE DECK.
- REMOVE AND REPLACE CONCRETE OVERLAY.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
- RECONSTRUCT ABUTMENT BACKWALLS.
- STABILIZE ABUTMENTS.
- REPLACE BRIDGE APPROACH SLABS.
- REPAIR SUBSTRUCTURE.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.

I-290 EB OVER IL 64 - NORTH AVE. (SN 022-0007)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
- REMOVE AND REPLACE CONCRETE OVERLAY ON RAMP R.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT AND PIER 2 WITH PREFORMED JOINT STRIP SEAL.
- REPAIR PARAPET WITH FORMED CONCRETE REPAIR.
- REPAIR SUBSTRUCTURE.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
- APPLY CONCRETE SEALER TO PARAPETS.

I-290 WB OVER IL 64 - NORTH AVE. (SN 022-0008)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT AND PIER 2 WITH PREFORMED JOINT STRIP SEAL.
- REPAIR SUBSTRUCTURE.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
- APPLY CONCRETE SEALER TO PARAPETS.

I-290 WB OVER UPRR (NORTH) (SN 016-1131)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
- REPAIR PARAPET WITH FORMED CONCRETE REPAIR.
- REPLACE DIAPHRAGMS AT NORTH ABUTMENT.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
- APPLY CONCRETE SEALER TO PARAPETS.

I-290 WB OVER UPRR (SOUTH) (SN 016-1132)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
- REPAIR PARAPET WITH FORMED CONCRETE REPAIR.
- REPAIR SLOPE WALL.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
- APPLY CONCRETE SEALER TO PARAPETS.

I-290 EB OVER UPRR (SOUTH) (SN 016-1133)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
- REPAIR PARAPET WITH FORMED CONCRETE REPAIR.
- NOISE ABATEMENT WALL REPAIRS.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
- APPLY CONCRETE SEALER TO PARAPETS.

I-290 WB & I-290 EB OVER IL 56 (BUTTERFIELD RD.) (SN 016-0083 & SN 016-0084), I-290 EB OVER UPRR (NORTH) (SN 016-1130)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
- REPAIR PARAPET WITH FORMED CONCRETE REPAIR.
- REPAIR SUBSTRUCTURE.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
- APPLY CONCRETE SEALER TO PARAPETS.

I-290 EB OVER ELECTRIC AVE. & PRAIRIE PATH (SN 016-1134)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
- NOISE ABATEMENT WALL REPAIRS.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
- APPLY CONCRETE SEALER TO PARAPETS.

I-290 WB OVER ELECTRIC AVE. & PRAIRIE PATH (SN 016-1135)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
- APPLY CONCRETE SEALER TO 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-290

- FROM THE WESTERN PROJECT LIMITS, TRAFFIC WILL BE REDUCED TO TWO LANES EASTBOUND. THE LANE CONFIGURATION AND ADVANCED SIGNAGE REQUIRED WEST OF THE PROJECT LIMITS WILL BE COORDINATED WITH CONTRACT 60G51.
- TWO WESTBOUND LANES WILL BE MAINTAINED FROM THE WESTERN CONTRACT LIMITS. THE INSIDE LANE WILL BE CLOSED.
- TRAFFIC SHIFTS ONTO THE OUTSIDE SHOULDER APPROACHING YORK ROAD. A THIRD LANE OF TRAFFIC IS ADDED AT THE YORK ROAD BRIDGE FROM THE LAKE STREET ENTRANCE RAMP.
- EAST OF THE YORK ROAD BRIDGE, A FOURTH LANE IS OPENED ON THE OUTSIDE. THE TWO OUTSIDE LANES EXIT AT NORTH AVENUE. THE TWO INSIDE LANES SHIFT ONTO THE INSIDE SHOULDER OVER THE NORTH AVENUE BRIDGE.
- EAST OF THE NORTH AVENUE BRIDGE, TRAFFIC SHIFTS TO THE OUTSIDE SHOULDER THROUGH THE UP RAILROAD BRIDGE STRUCTURE.
- TRAFFIC SHIFTS BACK ONTO THE EXISTING MIDDLE AND OUTSIDE LANES, WITH THE INSIDE LANE CLOSED.
- APPROACHING BUTTERFIELD ROAD, THE TWO LANES OF TRAFFIC ARE SHIFTED TO THE OUTSIDE AND ONTO THE SHOULDER THROUGH THE EASTERN CONTRACT LIMIT. THE LANE CONFIGURATION AND SIGNAGE REQUIRED AT THE EAST END OF THE PROJECT LIMITS WILL BE COORDINATED WITH CONTRACT 60G52.

WB I-290

- FROM THE EASTERN PROJECT LIMIT TWO LANES OF TRAFFIC WILL BE SPLIT AROUND THE WORK ZONE IN THE MIDDLE. THE LANE CONFIGURATION AND ADVANCED SIGNAGE REQUIRED WEST OF THE PROJECT LIMITS WILL BE COORDINATED WITH CONTRACT 60G52.
- THE TWO WESTBOUND LANES WILL RETURN TO THE EXISTING MIDDLE AND OUTSIDE LANE WEST OF BUTTERFIELD. THE INSIDE LANE WILL BE CLOSED.
- APPROACHING ELECTRIC AVENUE, TRAFFIC WILL SHIFT TO THE OUTSIDE SHOULDER AND RETURN TO THE MIDDLE AND OUTSIDE LANE WEST OF ELECTRIC AVENUE.
- BOTH LANES WILL SHIFT BACK TO THE OUTSIDE FOR THE UP RAILROAD BRIDGES.
- WEST OF THE UP RAILROAD BRIDGES, THE TWO LANES OF TRAFFIC WILL SPLIT AROUND THE MIDDLE WORK ZONE FOR THE NORTH AVENUE BRIDGE.
- AFTER THE NORTH AVENUE BRIDGE, TRAFFIC CONVERGES BACK INTO THE MIDDLE AND OUTSIDE LANES, WITH THE INSIDE LANE REMAINING CLOSED.
- AT YORK ROAD, TRAFFIC SHIFTS TO THE OUTSIDE SHOULDER BEFORE RETURNING TO THE MIDDLE AND OUTSIDE LANES UNTIL THE WESTERN CONTRACT LIMITS. THE LANE CONFIGURATION AND SIGNAGE REQUIRED AT THE WEST END OF THE PROJECT LIMITS WILL BE COORDINATED WITH CONTRACT 60G51.

CONSTRUCTION

WORK ON CONTRACT ITEMS WHERE POSSIBLE 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 & I-290 WB OVER YORK RD. (SN 022-0005 & SN 022-0006)

- REPAIR BRIDGE DECK.
- REMOVE AND REPLACE CONCRETE OVERLAY.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
- RECONSTRUCT ABUTMENT BACKWALLS.
- STABILIZE ABUTMENTS.
- REPLACE BRIDGE APPROACH SLABS.
- REPAIR SUBSTRUCTURE.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
- APPLY CONCRETE SEALER TO PARAPETS, ABUTMENT SEATS AND ABUTMENT BACKWALLS.

I-290 EB OVER IL 64 - NORTH AVE. (SN 022-0007)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY OVER DECK AND APPROACH SLABS.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT AND PIER 2 WITH PREFORMED JOINT STRIP SEAL.
- REPAIR SUBSTRUCTURE.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.

I-290 WB OVER IL 64 - NORTH AVE. (SN 022-0008)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT AND PIER 2 WITH PREFORMED JOINT STRIP SEAL.
- REPAIR SUBSTRUCTURE.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.

I-290 EB & I-290 WB OVER UPRR (NORTH) (SN 016-1130 & 016-1131), I-290 WB & I-290 EB OVER UPRR (SOUTH) (SN 016-1132 & SN 016-1133), I-290 EB & I-290 WB OVER ELECTRIC AVE. & PRAIRIE PATH (SN 016-1134 & SN 016-1135)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
- REPAIR SUBSTRUCTURE (SN 016-1130).
- REPAIR PARAPET WITH FORMED CONCRETE REPAIR.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
- APPLY CONCRETE SEALER TO PARAPETS, ABUTMENT SEATS AND BACKWALLS.

I-290 WB OVER IL 56 - BUTTERFIELD RD. (SN 016-0083)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
- REPAIR SUBSTRUCTURE.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.

I-290 EB OVER IL 56 - BUTTERFIELD RD. (SN 016-0084)

- REPAIR BRIDGE DECK.
- REPAIR APPROACH SLABS.
- POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
- RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
- REPAIR SUBSTRUCTURE.
- CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
- APPLY CONCRETE SEALER TO PARAPETS, ABUTMENT SEATS AND BACKWALLS.

FILE NAME -	DESIGNED - AJP	REVISED -
#FILEL#	DRAWN - TMB	REVISED -
USER NAME - #USER#	CHECKED - JJT	REVISED -
PLOT DATE - #DATE#	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC

SCALE: N.T.S. SHEET NO. 1 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	46
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60157	

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

EB I-290

FROM THE WESTERN PROJECT LIMITS, TRAFFIC WILL BE RETURNED TO THE EXISTING CONFIGURATION. THE LANE CONFIGURATION AND ADVANCED SIGNAGE REQUIRED WEST OF THE PROJECT LIMITS WILL BE COORDINATED WITH CONTRACT 60G51.

WB I-290

1. FROM THE EASTERN PROJECT LIMITS, APPLY IDOT DISTRICT ONE STANDARD TC-25 CENTER LANE CLOSURE FOR THE CONSTRUCTION OF THE BUTTERFIELD ROAD BRIDGE REPAIRS.
2. THE LEFT LANE WILL BE CLOSED AND TWO LANES OF TRAFFIC WILL BE SHIFTED TO THE OUTSIDE SHOULDER FOR THE NORTH AVENUE BRIDGE WORK.
3. EAST OF THE NORTH AVENUE BRIDGE, TRAFFIC RETURNS TO THE EXISTING CONFIGURATION UNTIL THE CONTRACT LIMIT.

CONSTRUCTION

WORK ON CONTRACT PAY ITEMS WHERE POSSIBLE UTILIZING LANE CLOSURES IMPLEMENTED IN THE STAGE 3 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 & I-290 WB OVER IL 64 - NORTH AVE. (SN 022-0007 & SN 022-0008)

1. REPAIR BRIDGE DECK.
2. REPAIR APPROACH SLABS.
3. POUR NEW CONCRETE OVERLAY ON DECK AND APPROACH SLABS.
4. RECONSTRUCT DECK JOINTS AT EACH ABUTMENT AND PIER 2 WITH PREFORMED JOINT STRIP SEAL.
5. REPAIR PARAPET WITH FORMED CONCRETE REPAIR.
6. REPAIR SUBSTRUCTURE.
7. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
8. APPLY CONCRETE SEALER TO PARAPETS, ABUTMENT SEATS, BACKWALLS AND PIER 2 SEAT.

I-290 WB OVER IL 56 - BUTTERFIELD RD. (SN 016-0083)

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

STAGE 4

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.

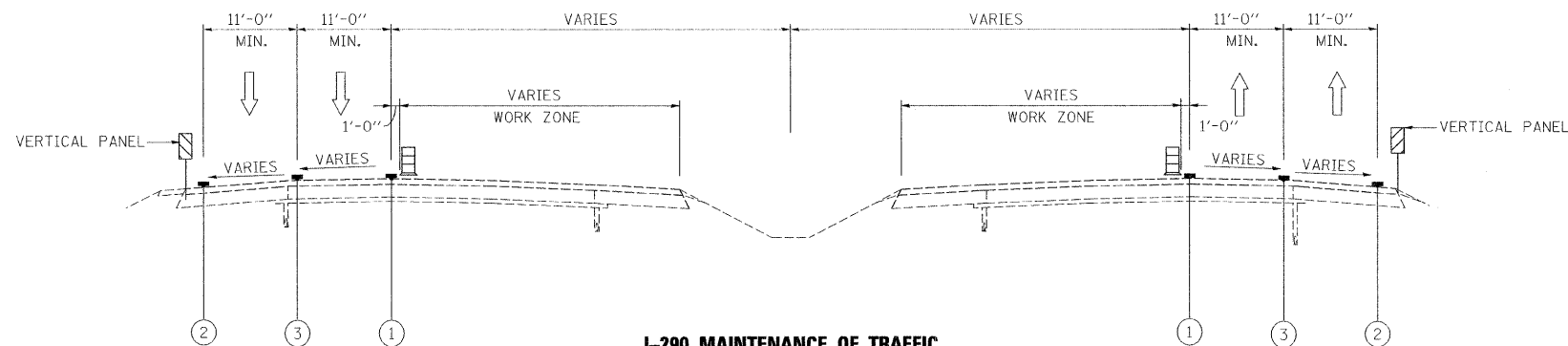
TRAFFIC

ALL STRIPING SHALL BE RETURNED TO THE EXISTING CONFIGURATION PRIOR TO RESURFACING OPERATIONS. SEE MAINTENANCE OF TRAFFIC TYPICAL SECTIONS FOR PATCHING AND RESURFACING TRAFFIC CONTROL.

CONSTRUCTION

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

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL*	DRAWN - TMB	REVISED -				290	2009-099BR	COOK/DUPAGE	309	47
USER NAME = #USER*	CHECKED - JJT	REVISED -				CONTRACT NO. 60157				
PLLOT DATE = #DATE*	DATE - 10/16/09	REVISED -				SCALE: N.T.S.	SHEET NO. 2 OF 69 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



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

- 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

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

LOCATIONS:	EASTBOUND		WESTBOUND	
	INSIDE SHOULDER	OUTSIDE SHOULDER	INSIDE SHOULDER	OUTSIDE SHOULDER
267+00 to 295+00	x	x	x	x
295+00 to 336+00		x		x
336+00 to 339+00		x		x
339+00 to 350+00		x		x
350+00 to 440+01	x	x	x	x
440+01 to 456+00		x		x
456+00 to 468+00	x	x		x
468+00 to 475+00	x	x	x	x
475+00 to 480+00	x	x		x
480+00 to 488+85/490+85	x	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.

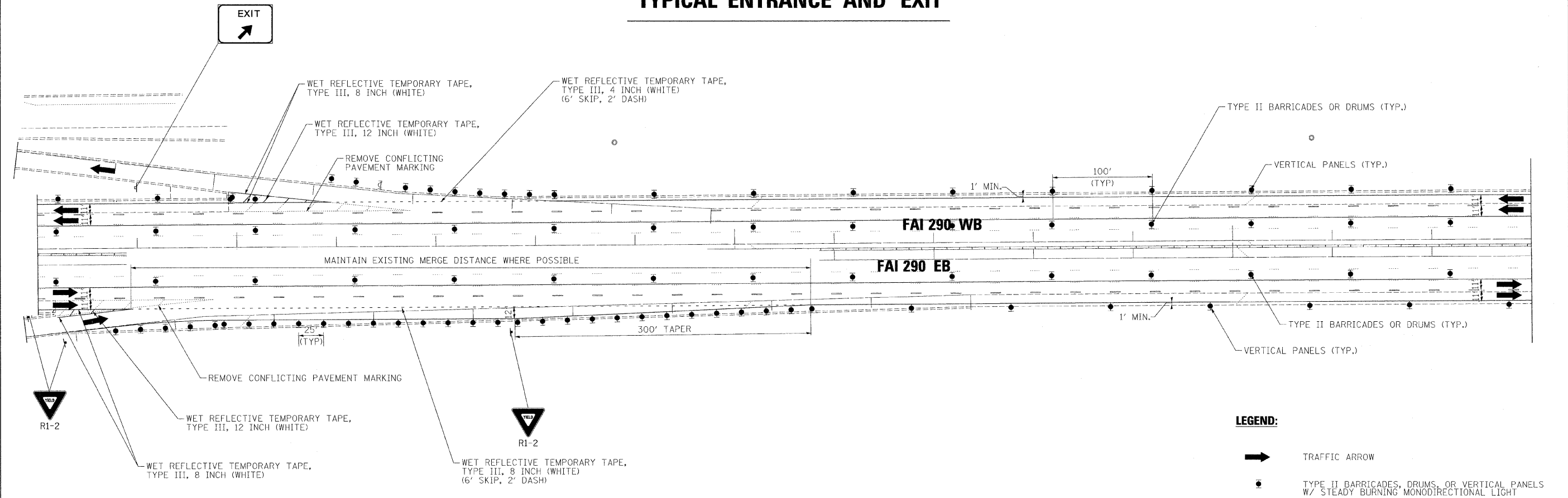
THE CONTRACTOR WILL BE REQUIRED TO SUBMIT PLANS OF THE SHOULDER STAGING OPTION TO THE ENGINEER FOR APPROVAL AT LEAST 2 WEEKS PRIOR TO SHIFTING TRAFFIC INTO THE STAGED CONFIGURATION. THE PLANS SHALL INCLUDE LANE CONFIGURATIONS, WORK ZONES, TRAFFIC CONTROL DEVICES, SIGNING (TEMPORARY AND EXISTING OVERHEAD)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

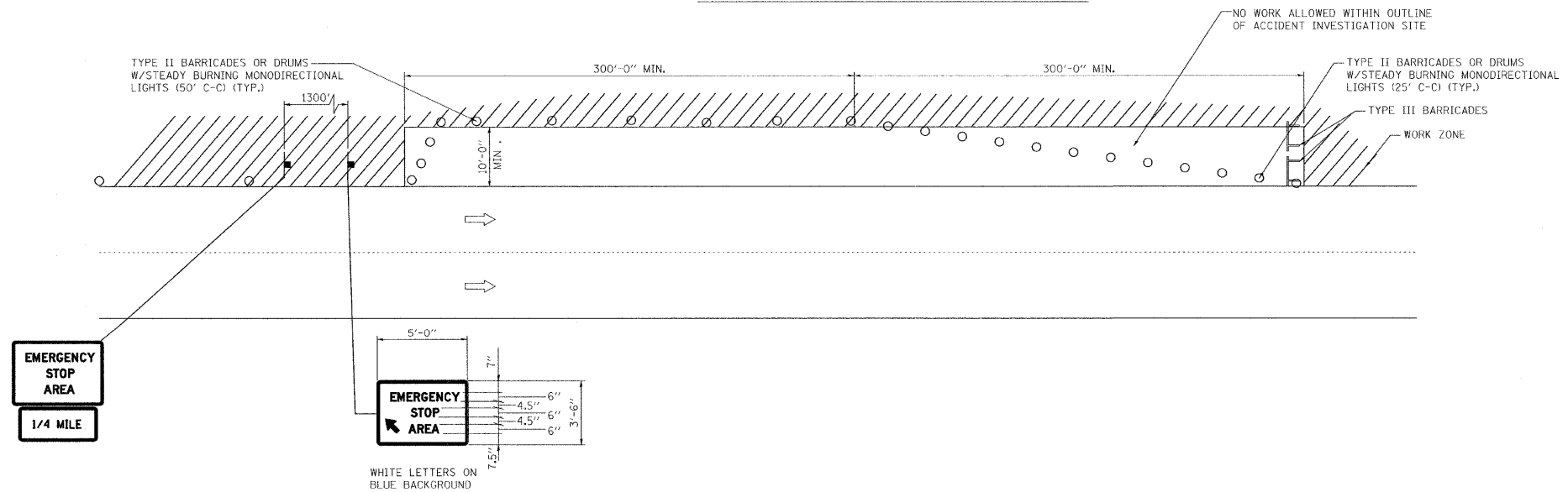
THE CONTRACTOR SHALL NOT EXPOSE OPEN CUT PAVEMENT SUCH AS FULL AND PARTIAL DEPTH PATCHING ACROSS THE ENTIRE WORK ZONE AT ONE TIME. IF PATCHING OPERATIONS ARE PERFORMED, THE CONTRACTOR SHALL PROVIDE A CONTINUOUS 10-FOOT TRAVEL LANE FOR PASSAGE OF EMERGENCY VEHICLES IF NECESSARY. ALL PATCHES GREATER THAN 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.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	DRAWN - TMB	REVISED -					290	2009-099BR	COOK/DUPAGE	309	47A
USER NAME = #USER#	CHECKED - JJT	REVISED -					CONTRACT NO. 60157				
PLOT DATE = #DATE#	DATE - 10/16/09	REVISED -					SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	[ILLINOIS] FED. AID PROJECT

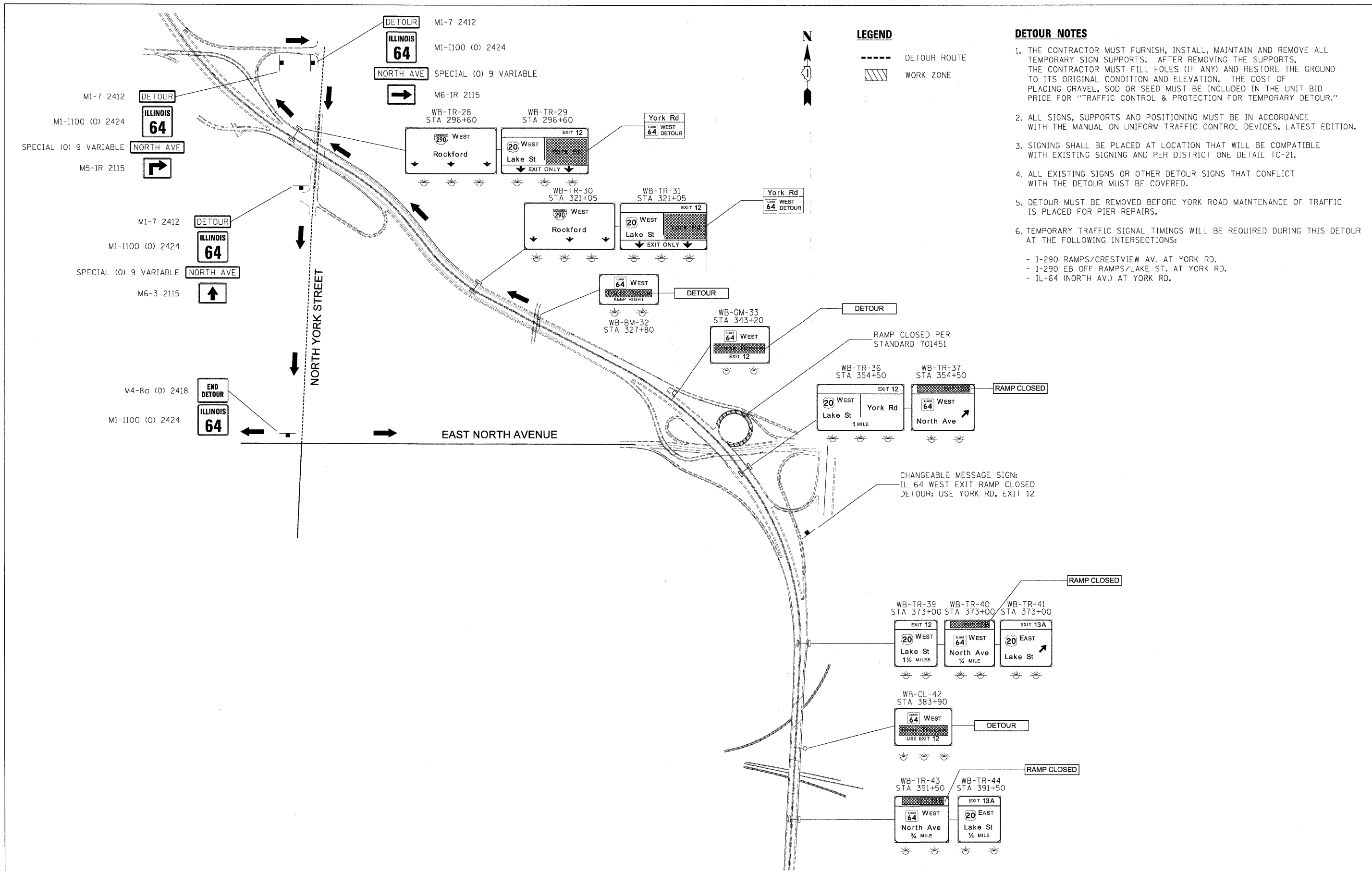
TYPICAL ENTRANCE AND EXIT



ACCIDENT INVESTIGATION SITE

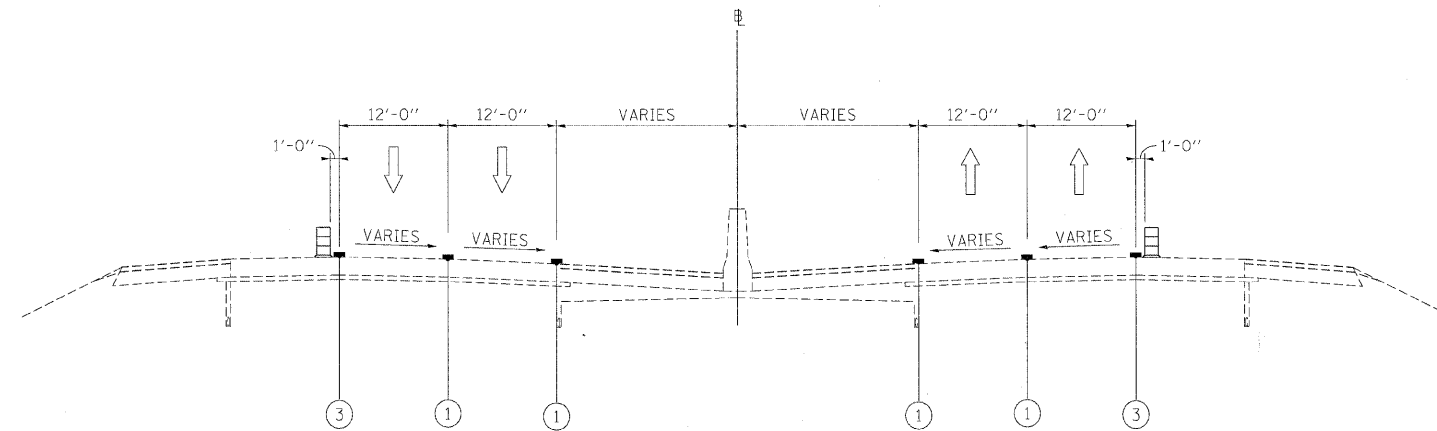


FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC SHOULDER STAGING OPTION	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	DRAWN - TMB	REVISED -				290	2009-099BR	COOK/DUPAGE	309	47B	
USER NAME = #USER#	CHECKED - JJT	REVISED -				CONTRACT NO. 60157					
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -									
						SCALE: 1"=50'	SHEET NO. 4 OF 69 SHEETS	STA.	TO STA.		
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

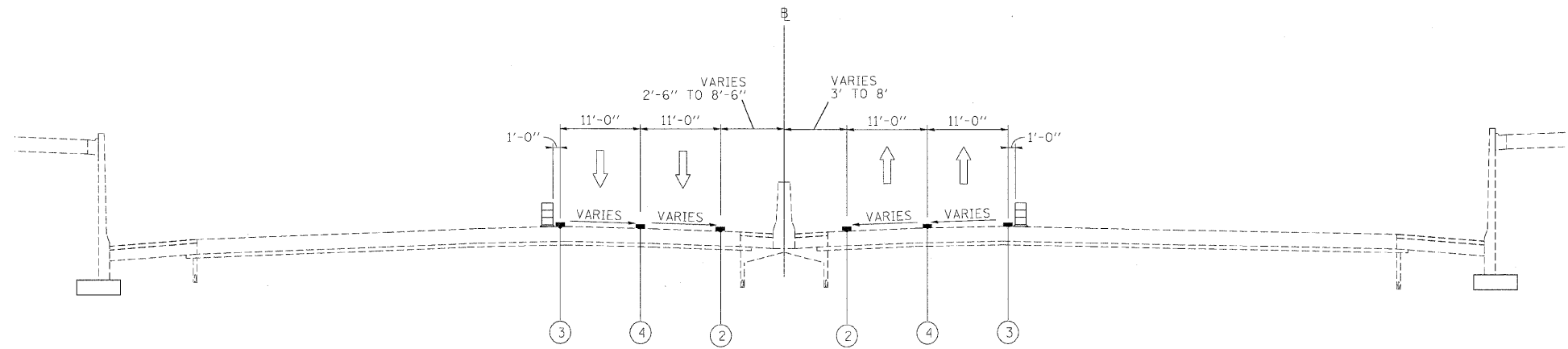


- DETOUR NOTES**
1. THE CONTRACTOR MUST FURNISH, INSTALL, MAINTAIN AND REMOVE ALL TEMPORARY SIGN SUPPORTS. AFTER REMOVING THE SUPPORTS, THE CONTRACTOR MUST FILL HOLES (IF ANY) AND RESTORE THE GROUND TO ITS ORIGINAL CONDITION AND ELEVATION. THE COST OF PLACING GRAVEL, SOD OR SEED MUST BE INCLUDED IN THE UNIT BID PRICE FOR "TRAFFIC CONTROL & PROTECTION FOR TEMPORARY DETOUR."
 2. ALL SIGNS, SUPPORTS AND POSITIONING MUST BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 3. SIGNING SHALL BE PLACED AT LOCATION THAT WILL BE COMPATIBLE WITH EXISTING SIGNING AND PER DISTRICT ONE DETAIL TC-21.
 4. ALL EXISTING SIGNS OR OTHER DETOUR SIGNS THAT CONFLICT WITH THE DETOUR MUST BE COVERED.
 5. DETOUR MUST BE REMOVED BEFORE YORK ROAD MAINTENANCE OF TRAFFIC IS PLACED FOR PIER REPAIRS.
 6. TEMPORARY TRAFFIC SIGNAL TIMINGS WILL BE REQUIRED DURING THIS DETOUR AT THE FOLLOWING INTERSECTIONS:
 - I-290 RAMP/CRESTVIEW AV. AT YORK RD.
 - I-290 EB OFF RAMP/LAKE ST. AT YORK RD.
 - IL-64 (NORTH AV.) AT YORK RD.

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR PLAN			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...prp\in\ARC_04_Detour_2.dgn	DRAWN - TMB	REVISED -			I-290 WB TO IL 64 (NORTH AVE)			290	2009-099BR	COOK/DUPAGE	309	48	
USER NAME = tblank	CHECKED - JJT	REVISED -			SCALE: N.T.S. SHEET NO. 3 OF 69 SHEETS STA. TO STA.			CONTRACT NO. 60157					
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					






STA 267+100 TO STA 291+20 (WB) **STAGE 1 MAINTENANCE OF TRAFFIC TYPICAL SECTION** STA 267+100 TO STA 293+90 (EB)



STA 291+20 TO STA 296+40 (WB) **STAGE 1 MAINTENANCE OF TRAFFIC TYPICAL SECTION** STA 293+90 TO STA 296+80 (EB)

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

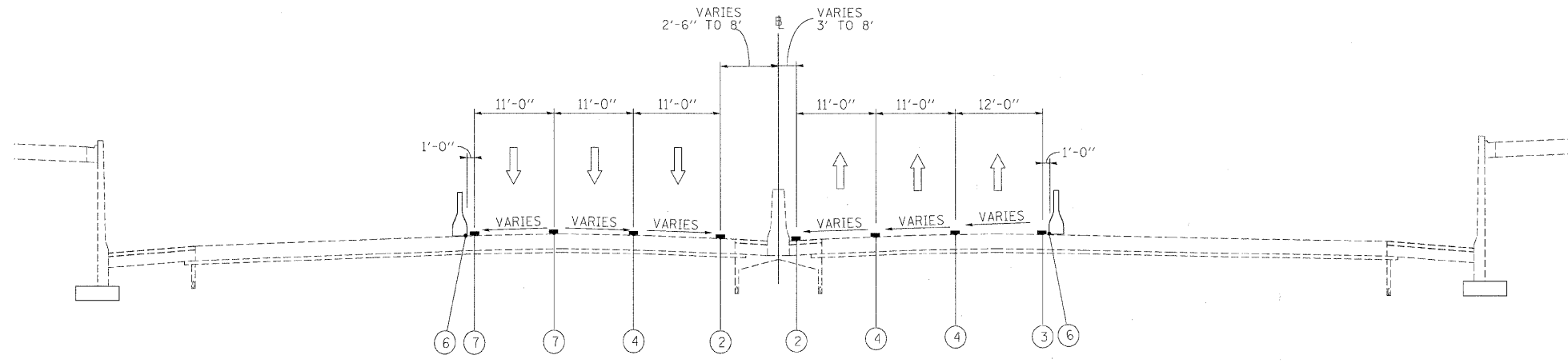
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

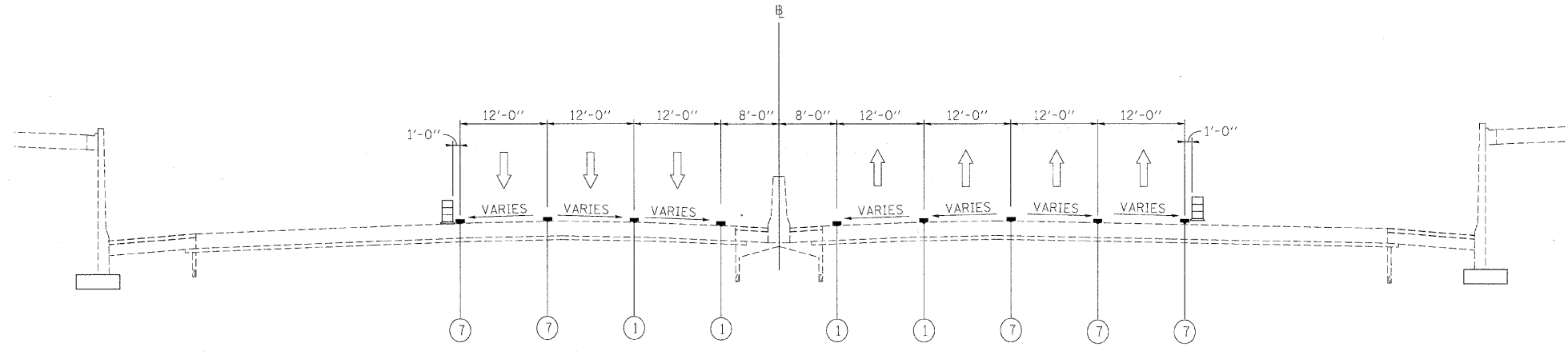
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS - STAGE 1	
SCALE: N.T.S.	SHEET NO. 4 OF 69 SHEETS
STA. _____	TO STA. _____

F.A.I. RTE. 290	SECTION 2009-0998R	COUNTY COOK/DUPAGE	TOTAL SHEETS 309	SHEET NO. 49
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



**STAGE 1
MAINTENANCE OF TRAFFIC
TYPICAL SECTION**

STA 296+40 TO STA 307+80 (WB) STA 296+80 TO STA 308+30 (EB)
 BRIDGE OMISSION BRIDGE OMISSION
 STA 296+40 TO STA 300+56 STA 296+80 TO STA 300+90



**STAGE 1
MAINTENANCE OF TRAFFIC
TYPICAL SECTION**

STA 307+80 TO STA 325+35 (WB) STA 308+30 TO STA 326+00 (EB)

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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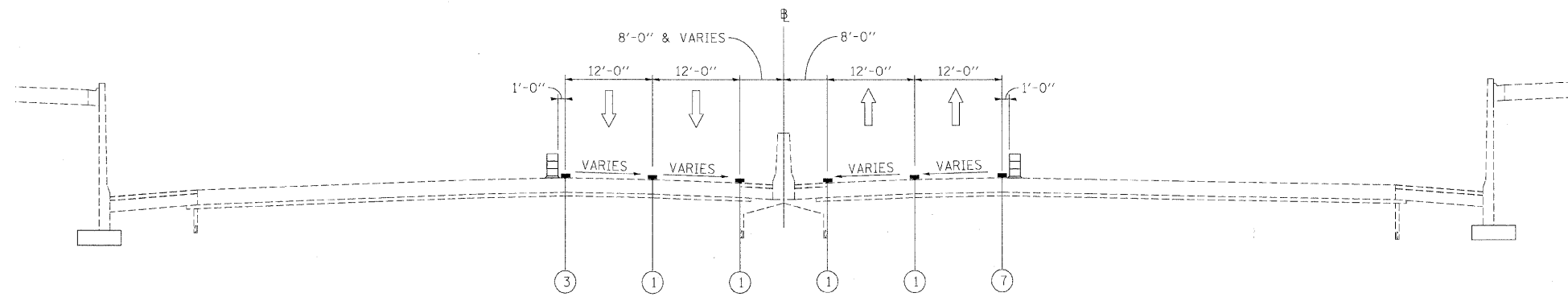
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

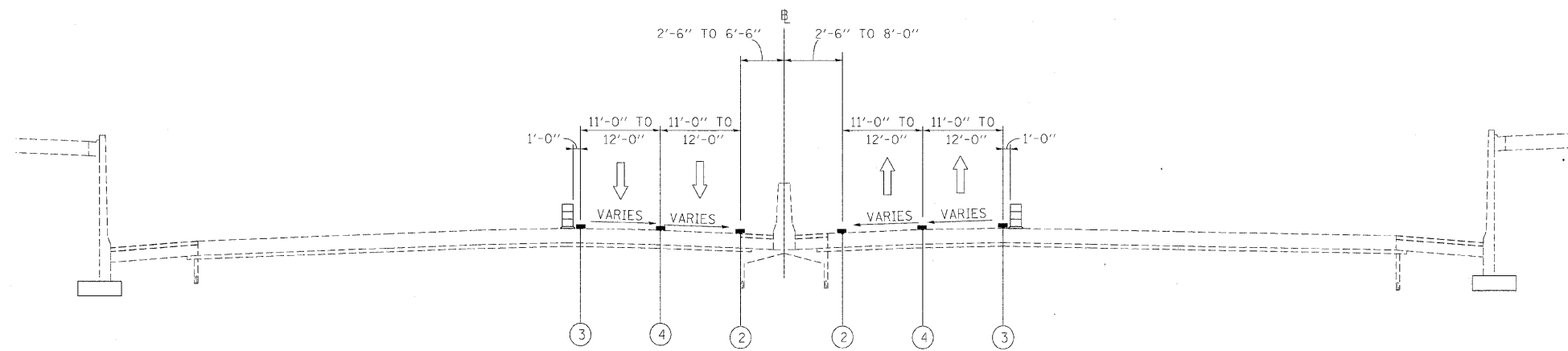
**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS - STAGE 1**

SCALE: N.T.S. SHEET NO. 5 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	50
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60157	



STA 325+35 TO STA 342+83 (WB) **STAGE 1 MAINTENANCE OF TRAFFIC TYPICAL SECTION** STA 326+00 TO STA 332+77 (EB)



STA 342+83 TO STA 346+10 (WB) **STAGE 1 MAINTENANCE OF TRAFFIC TYPICAL SECTION** STA 337+09 TO STA 340+53 (EB)

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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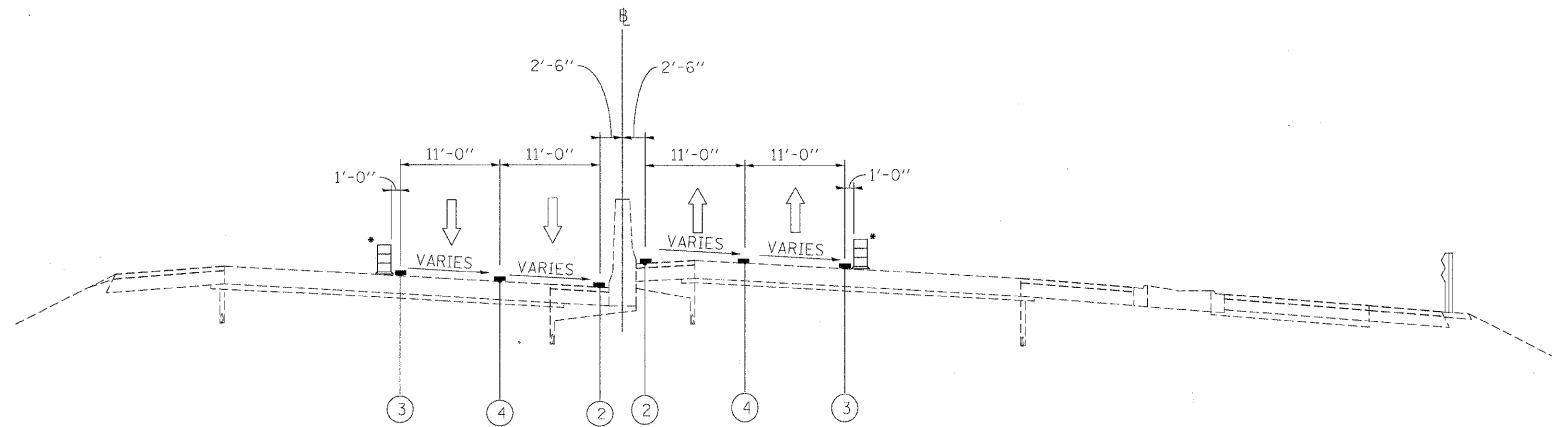
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: N.T.S. SHEET NO. 6 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60157			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

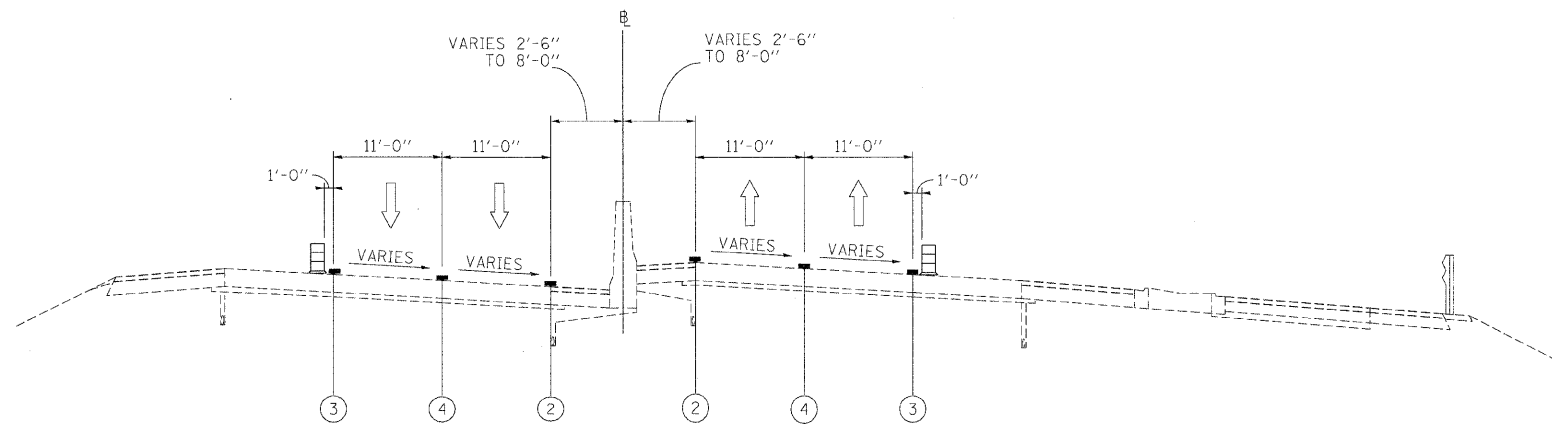


**STAGE 1
MAINTENANCE OF TRAFFIC
TYPICAL SECTION**

STA 346+10 TO STA 393+30 (WB) STA 340+53 TO STA 393+25 (EB)

• TEMPORARY CONCRETE BARRIER IN PLACE OF BARRELS AT VARIOUS LOCATIONS




BRIDGE OMISSION BRIDGE OMISSION
 STA 349+84 TO STA 354+01 STA 348+80 TO STA 353+23
 STA 377+81 TO STA 389+79 STA 378+64 TO STA 389+72



**STAGE 1
MAINTENANCE OF TRAFFIC
TYPICAL SECTION**

STA 393+30 TO STA 397+80 (WB) STA 393+25 TO STA 396+85 (EB)

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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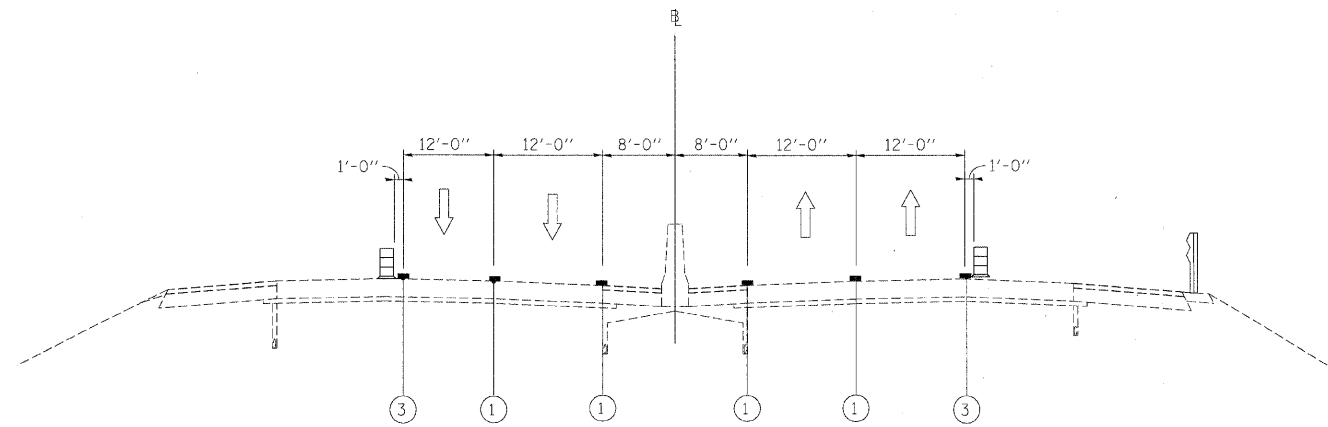
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

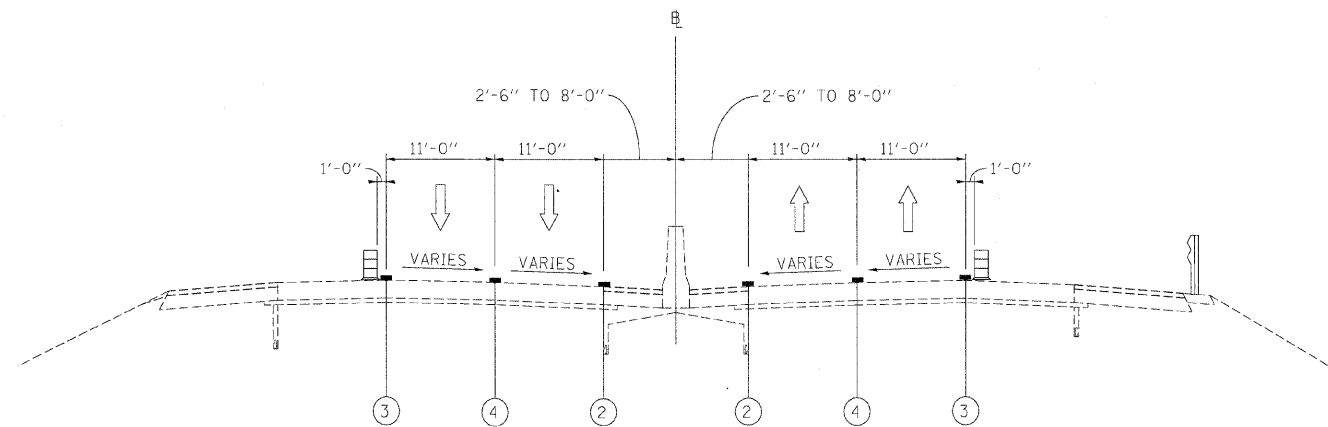
**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS - STAGE 1**

SCALE: N.T.S. SHEET NO. 7 OF 69 SHEETS STA. TO STA.

F.A.I. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	52
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	






STA 397+20 TO STA 429+60 (WB) **STAGE 1 MAINTENANCE OF TRAFFIC TYPICAL SECTION** STA 396+85 TO STA 432+24 (EB)



STA 429+60 TO STA 433+40 (WB) **STAGE 1 MAINTENANCE OF TRAFFIC TYPICAL SECTION** STA 432+24 TO STA 434+30 (EB)

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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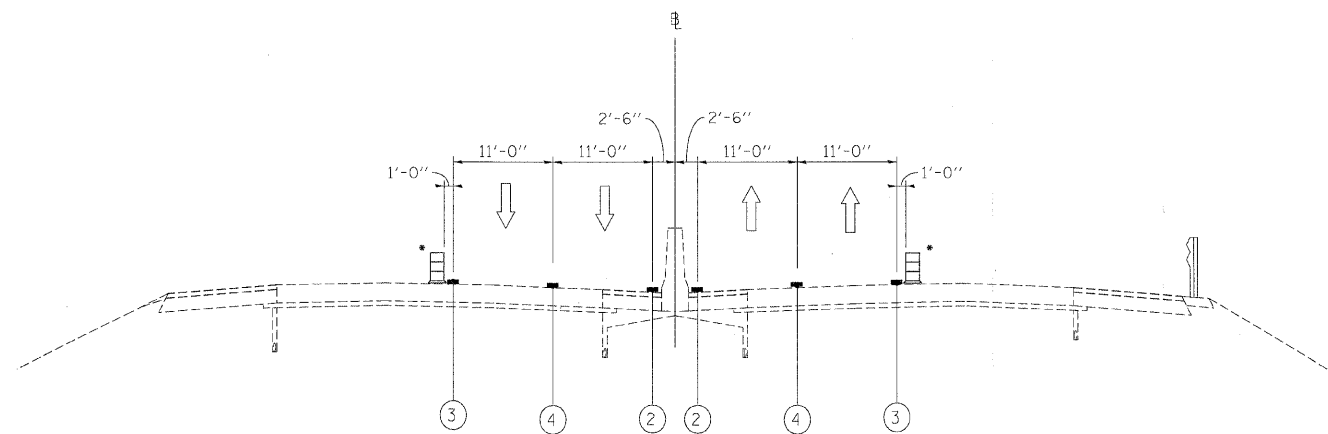
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: N.T.S. SHEET NO. 8 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	53
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	

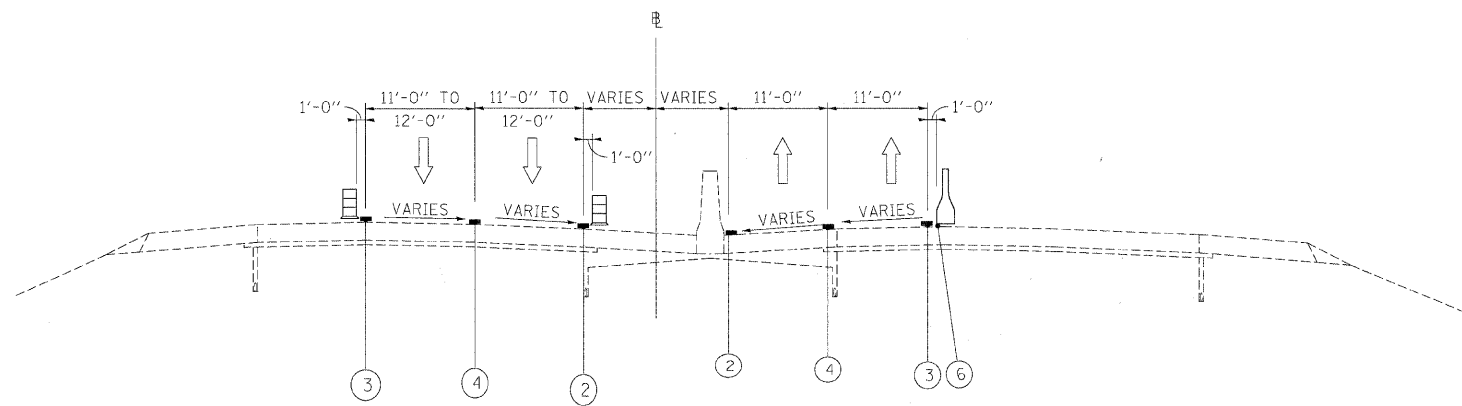


**STAGE 1
MAINTENANCE OF TRAFFIC
TYPICAL SECTION**

STA 433+40 TO STA 467+24 (WB) STA 434+30 TO STA 471+90 (EB)

BRIDGE OMISSION BRIDGE OMISSION
STA 436+90 TO STA 442+82 STA 436+83 TO STA 442+74

* TEMPORARY CONCRETE BARRIER IN PLACE OF
BARRELS APPROX. STA 434+00 TO STA 445+00



**STAGE 1
MAINTENANCE OF TRAFFIC
TYPICAL SECTION**

STA 467+24 TO STA 480+16 (WB) STA 471+90 TO STA 481+50 (EB)

BRIDGE OMISSION BRIDGE OMISSION
STA 476+03 TO STA 480+16 STA 475+39 TO STA 479+52

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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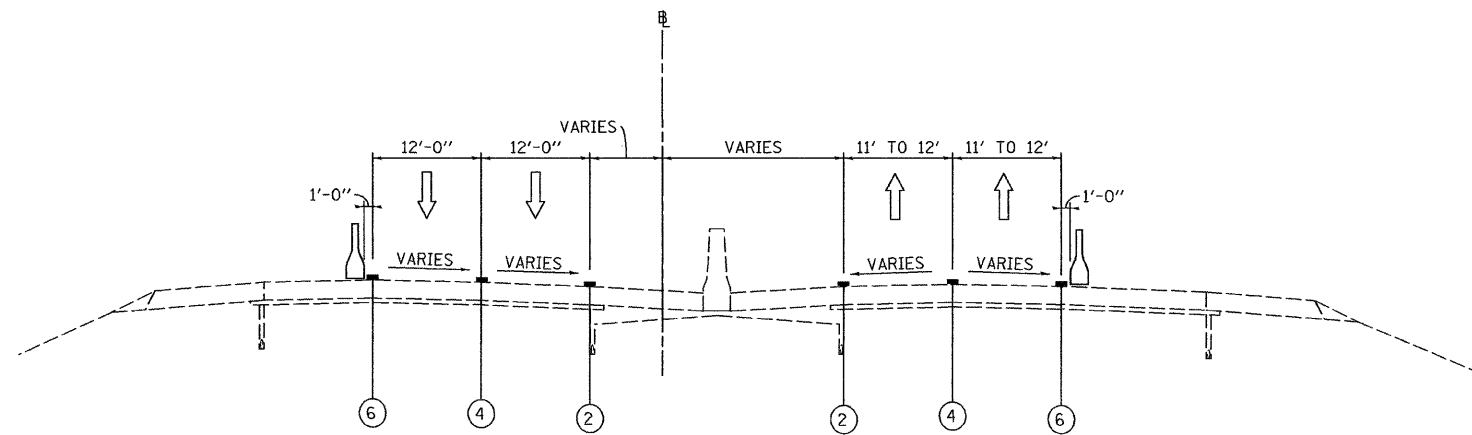
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: N.T.S. SHEET NO. 9 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	54
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60157	

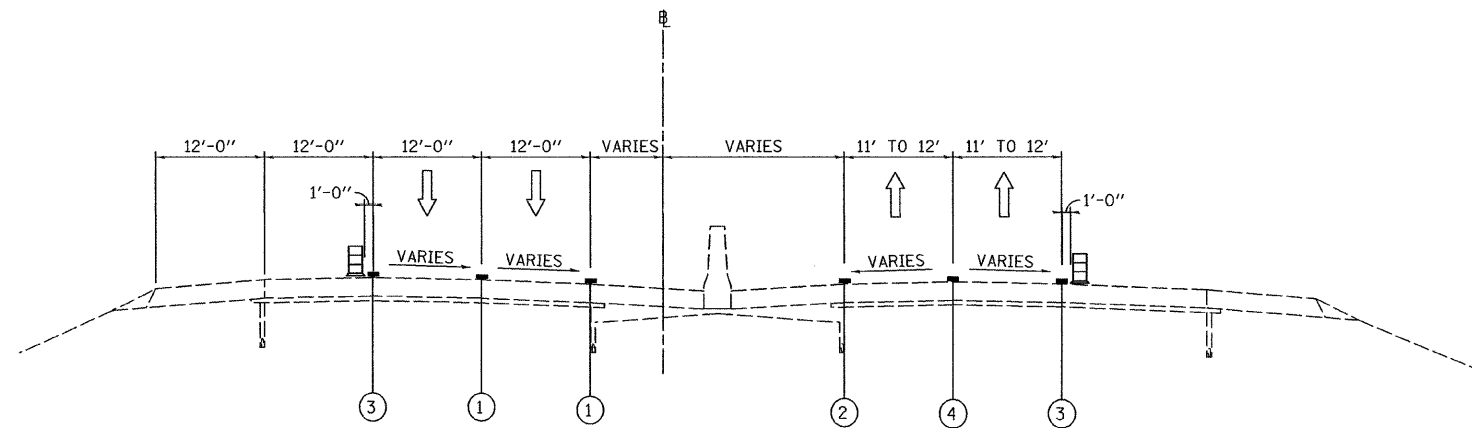


STA 470+36 TO STA 482+50 (WB)

EXISTING TYPICAL SECTION

STA 481+50 TO STA 481+52 (EB)

SEE STAGE CONSTRUCTION DETAILS FOR TYPICAL SECTION THROUGH BRIDGE




STA 482+50 TO STA 492+70 (WB)

EXISTING TYPICAL SECTION

STA 481+52 TO STA 484+49 (EB)

SEE STAGE CONSTRUCTION DETAILS FOR TYPICAL SECTION THROUGH BRIDGE

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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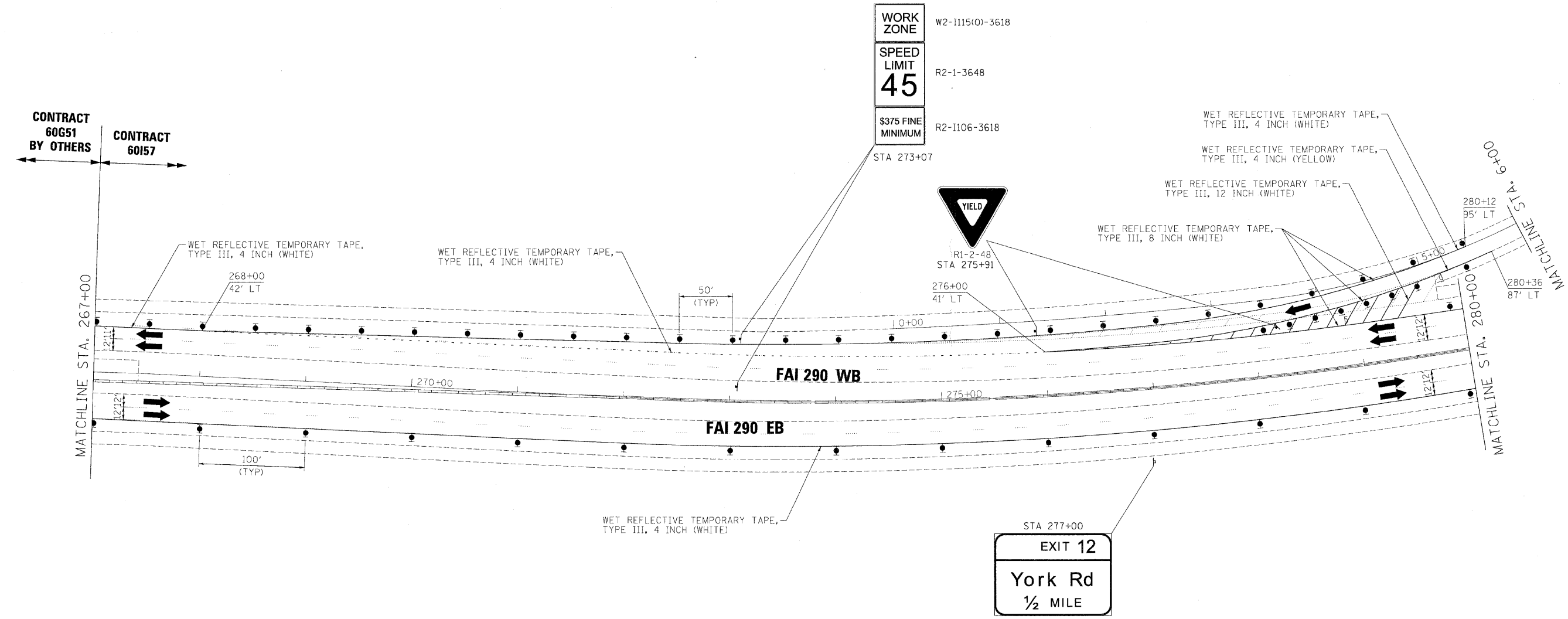
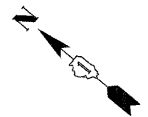
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: N.T.S. SHEET NO. 10 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	55
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60157	



- 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:
 CONTRACTOR MUST COORDINATE TEMPORARY SIGNING, PAVEMENT MARKING AND MOVEABLE CONCRETE BARRIER WITH THE CONTRACTOR PERFORMING WORK ON CONTRACT 60G51

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

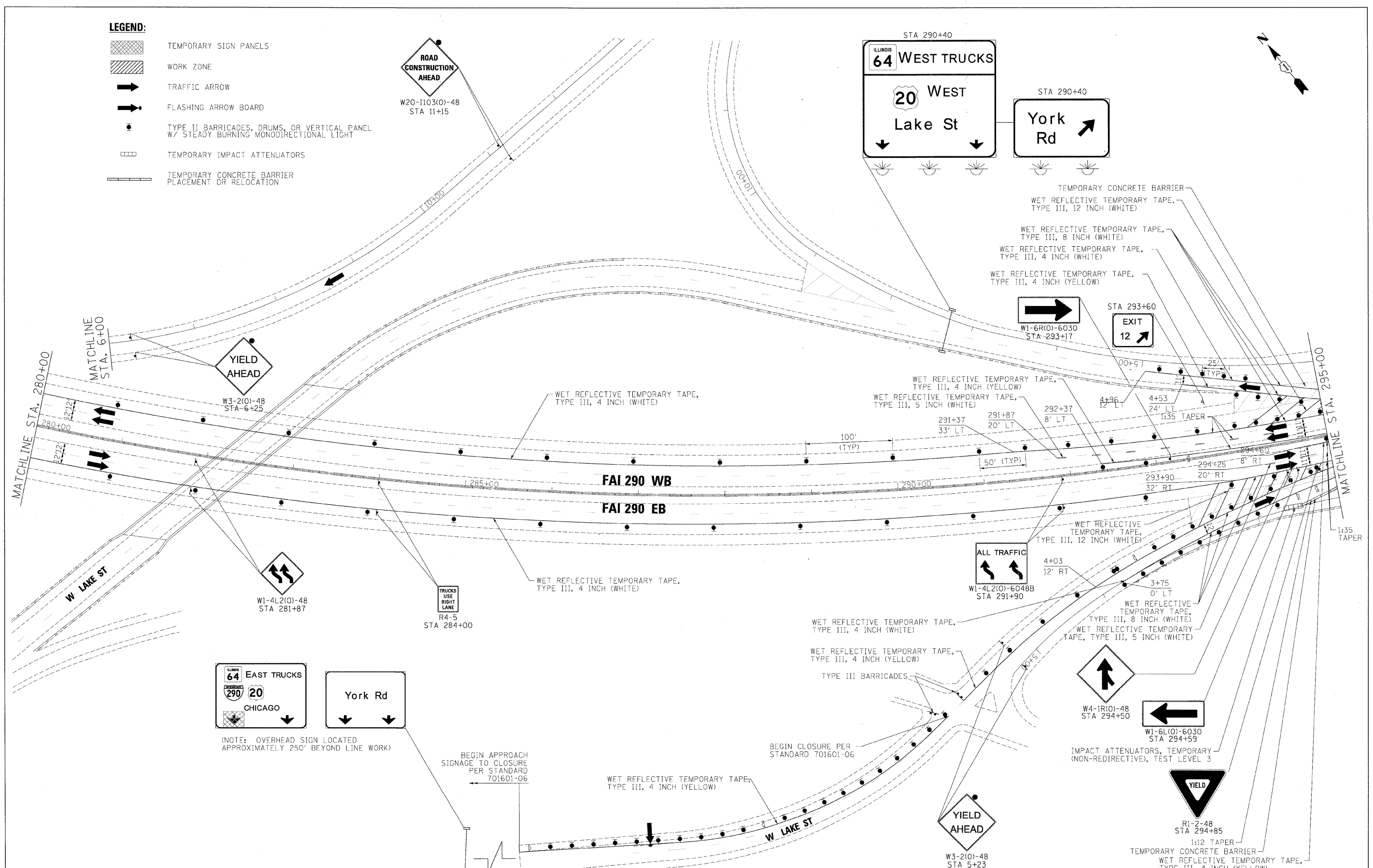
**MAINTENANCE OF TRAFFIC
 PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 11 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	56
CONTRACT NO. 60157			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

LEGEND:

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



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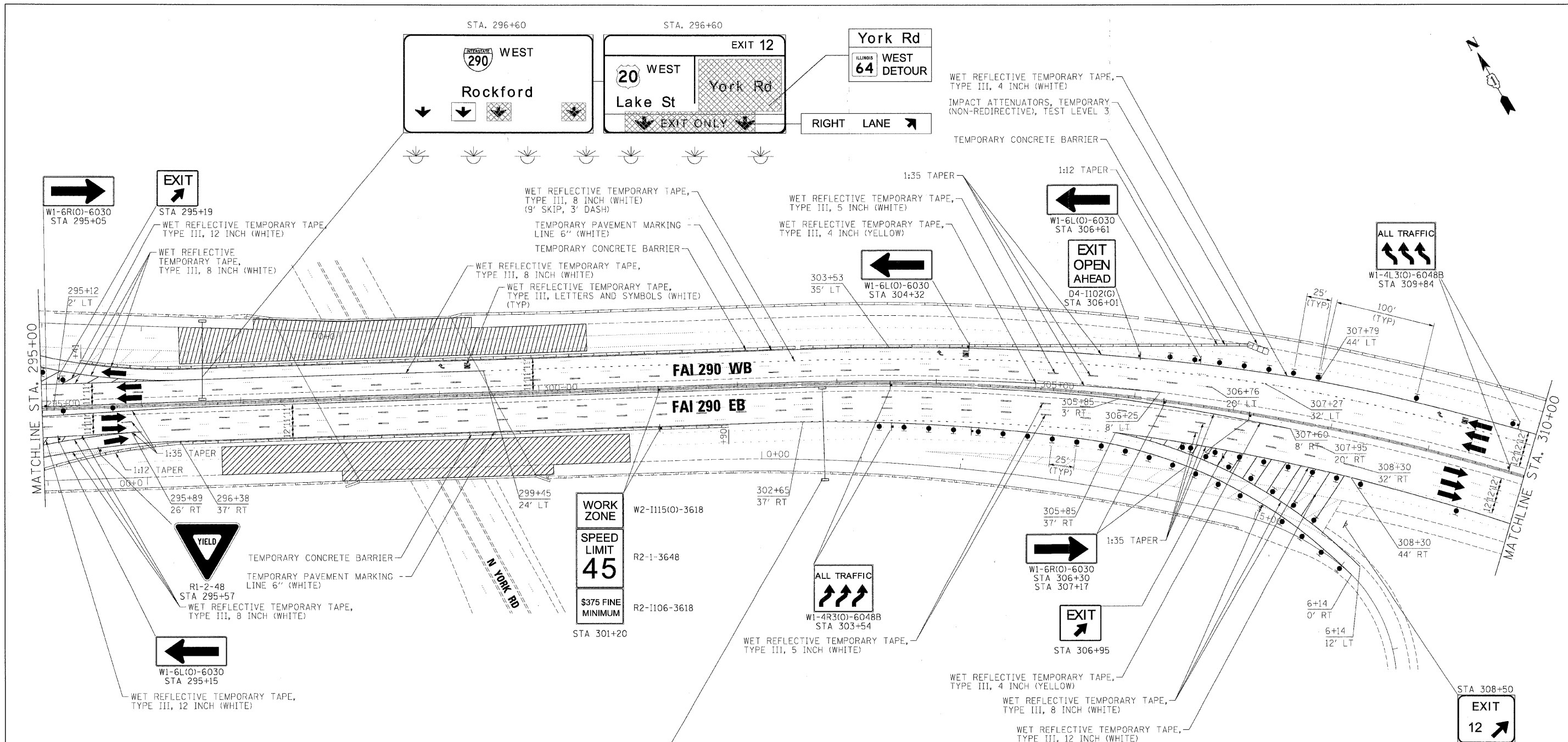
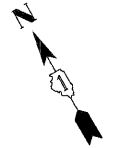
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 12 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	57
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	

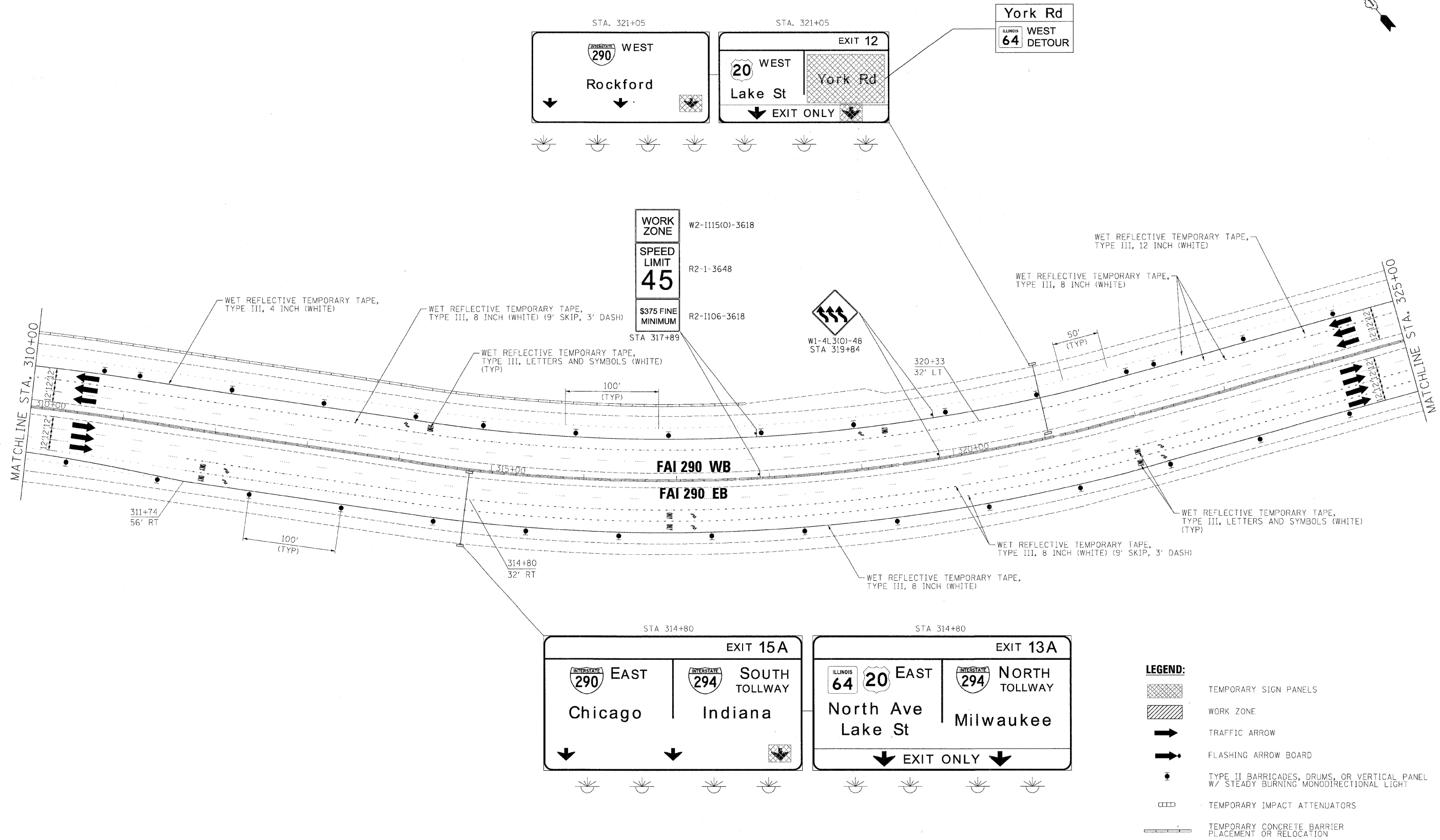
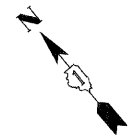


WORK ZONE
 W2-1115(O)-3618
SPEED LIMIT 45
 R2-1-3648
 R2-1106-3618
\$375 FINE MINIMUM
 STA 301+20

NOTE
 FOR YORK RD MAINTENANCE OF TRAFFIC,
 SEE MAINTENANCE OF TRAFFIC PLAN STAGE 1 - YORK RD.

- 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 -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN - STAGE 1			F.A.I. SECTION COUNTY TOTAL SHEETS SHEET NO.
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PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
								SCALE: 1"=50' SHEET NO. 13 OF 69 SHEETS STA. TO STA.



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

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








benesch

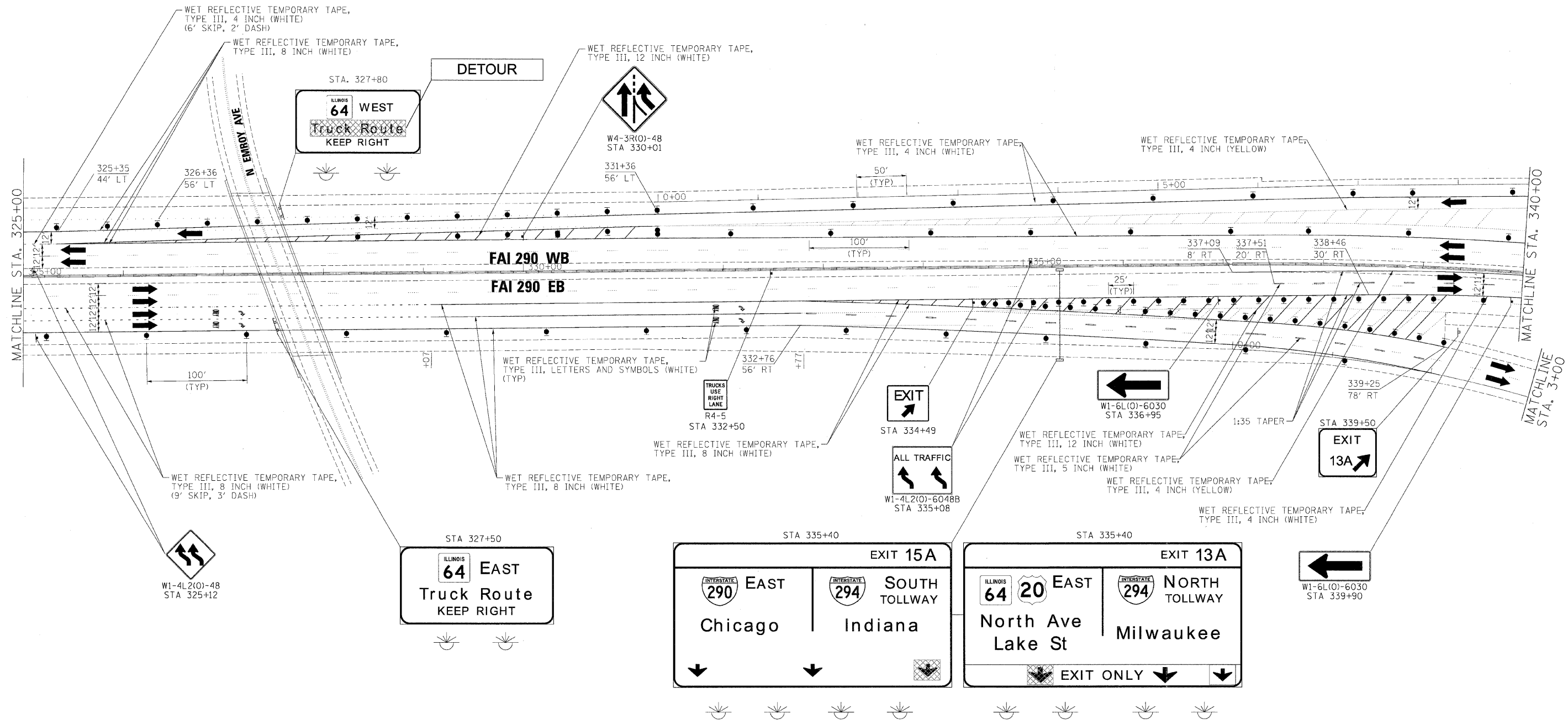
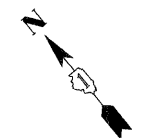
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

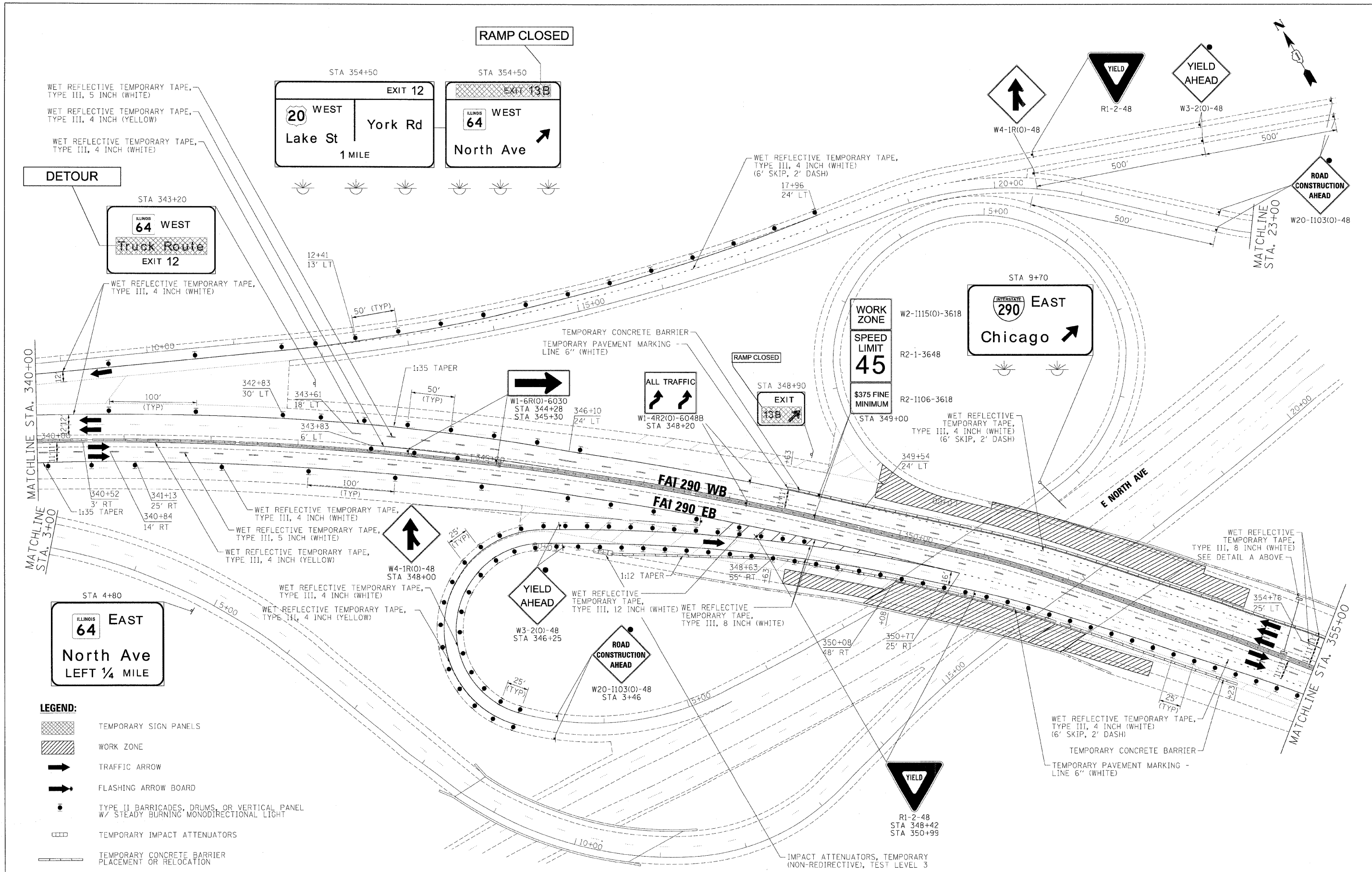
SCALE: 1"=50' SHEET NO. 14 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	59
FED. ROAD DIST. NO.			CONTRACT NO. 60157	
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 = ...:\prp\in_ABC_C4_290_mot_ST_1.1.dgn	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN - STAGE 1			F.A.I. RTE. 290	SECTION 2009-099BR	COUNTY COOK/DUPAGE	TOTAL SHEETS 309	SHEET NO. 60	
USER NAME = tblank	DRAWN - TMG	REVISED -			SCALE: 1"=50'			SHEET NO. 15 OF 69 SHEETS	STA.	TO STA.	CONTRACT NO. 60157		
PLOT DATE = 11/13/2009	CHECKED - JJT	REVISED -			FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT				
	DATE - 10/16/09	REVISED -											



WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5 INCH (WHITE)
 WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH (YELLOW)
 WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH (WHITE)

DETOUR

STA 343+20

ILLINOIS WEST
 64
 Truck Route
 EXIT 12

STA 354+50

EXIT 12

WEST
 20
 Lake St
 York Rd
 1 MILE

EXIT 13B

WEST
 64
 North Ave

W4-1R(0)-48

R1-2-48

YIELD

YIELD AHEAD

W3-2(0)-48

ROAD CONSTRUCTION AHEAD

W20-1103(0)-48

MATCHLINE STA. 340+00

MATCHLINE STA. 3+00

STA 4+80

ILLINOIS EAST
 64
 North Ave
 LEFT 1/4 MILE

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

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

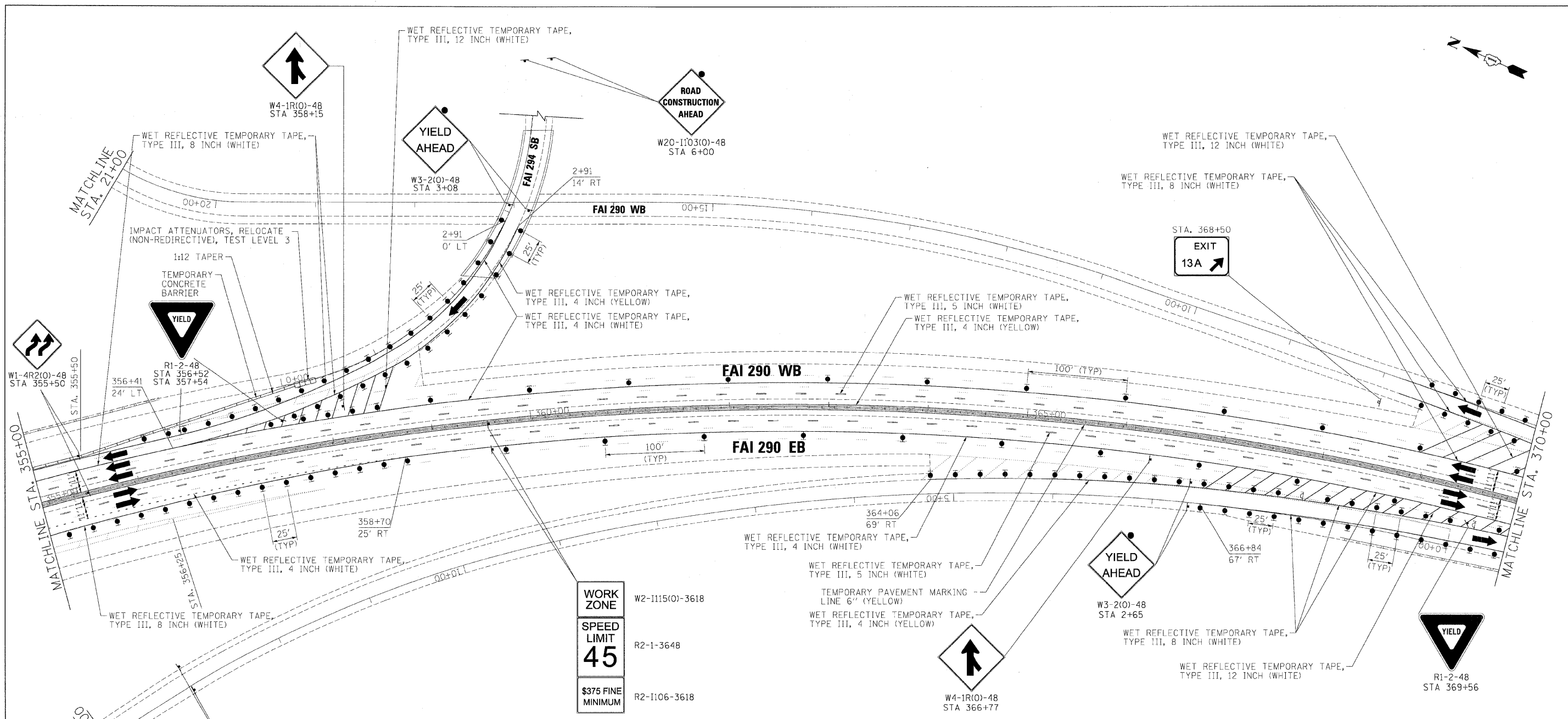
benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 16 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	61
CONTRACT NO. 60157				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



WORK ZONE
 W2-1115(0)-3618
SPEED LIMIT 45
 R2-1-3648
 \$375 FINE MINIMUM
 R2-1106-3618
 STA 359+57

- 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

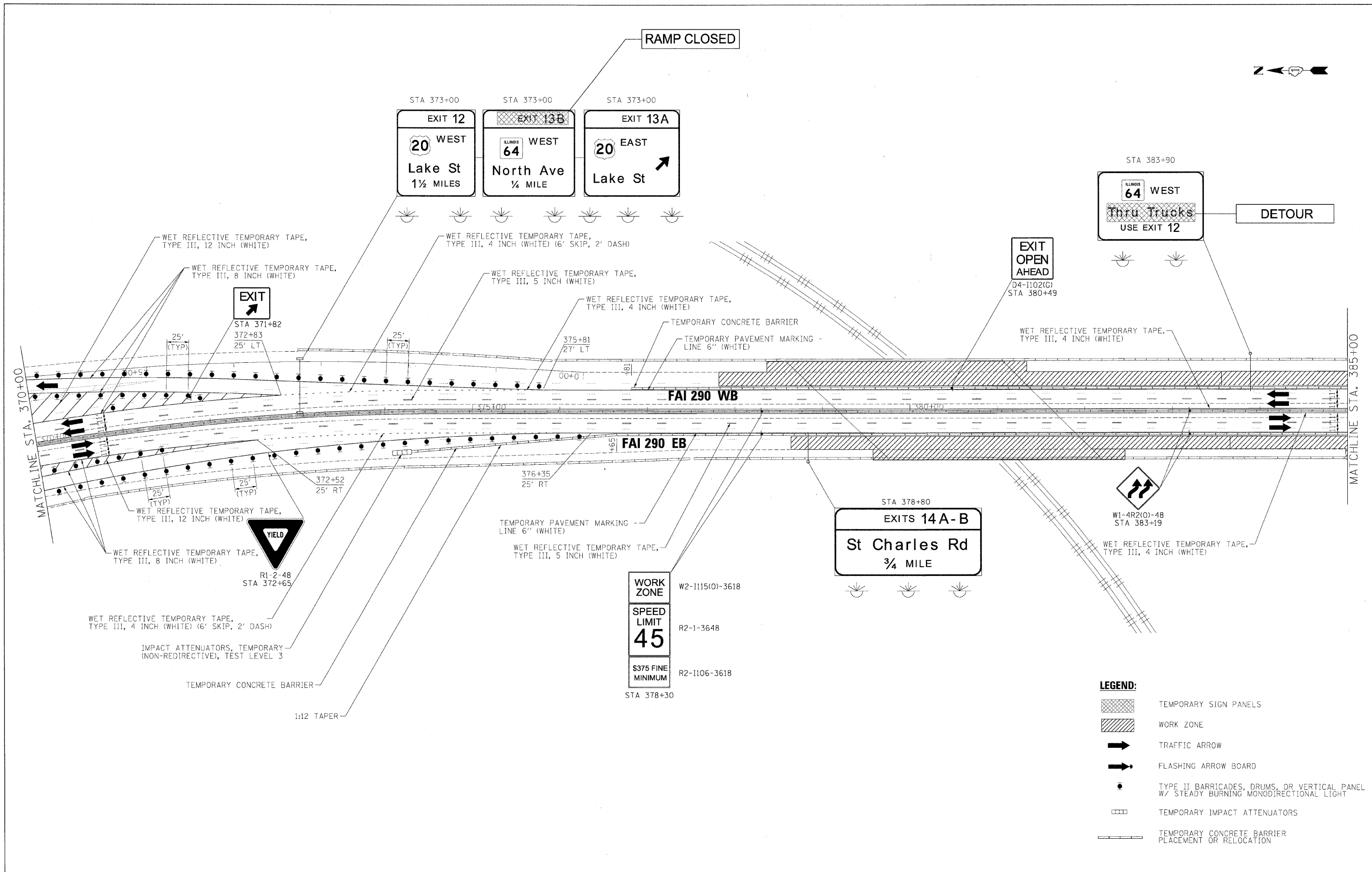
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USER NAME = tb:ank	CHECKED - JJT	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 PLAN - STAGE 1**
 SCALE: 1"=50' SHEET NO. 17 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	62
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60157	



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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

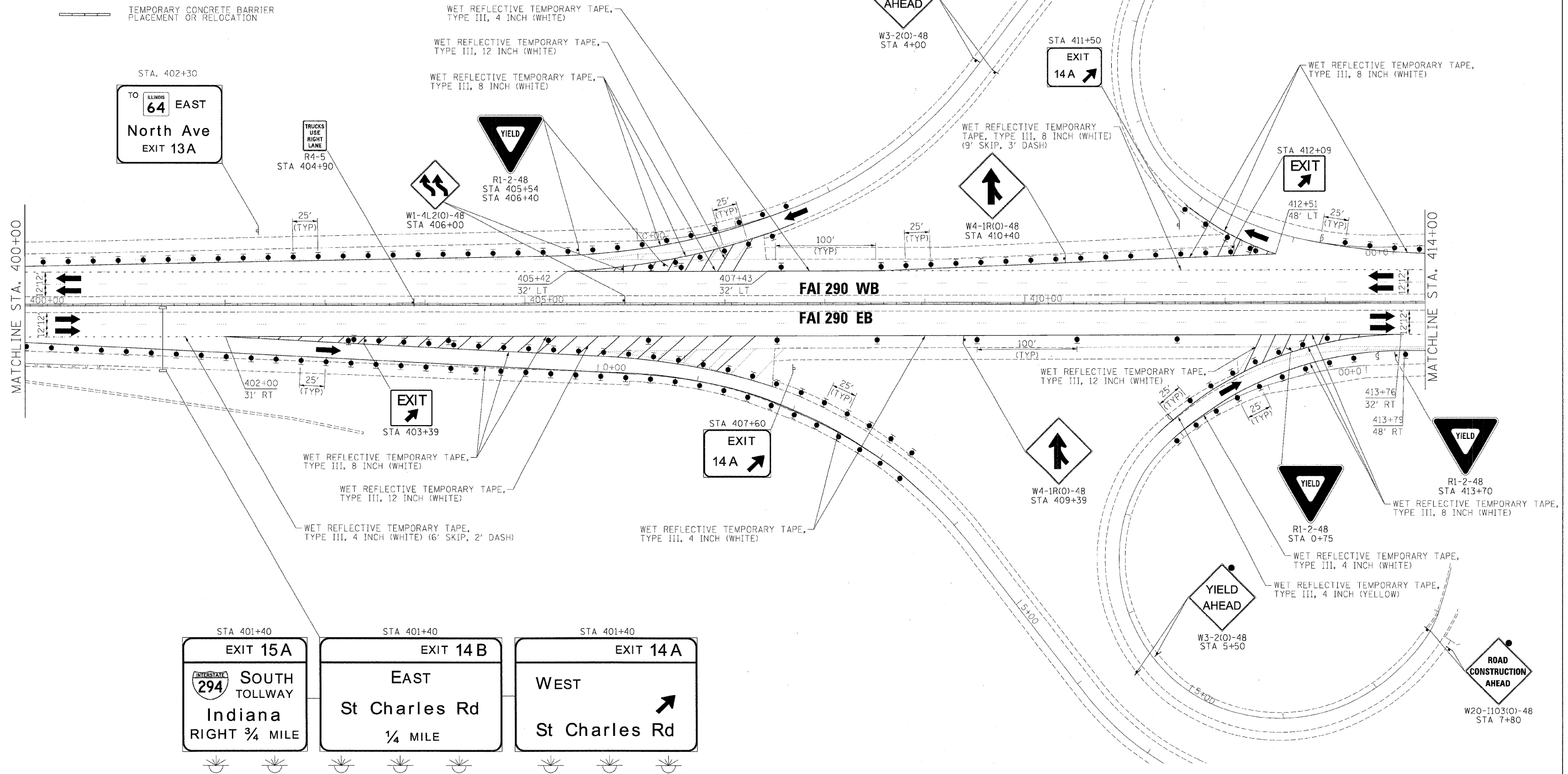
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	63
CONTRACT NO. 60157				

SCALE: 1"=50' SHEET NO. 18 OF 69 SHEETS STA. TO STA.

- 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

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



TO ILLINOIS
64 EAST
North Ave
EXIT 13A

TRUCKS
USE
RIGHT
LANE
R4-5
STA 404+90

YIELD
R1-2-48
STA 405+54
STA 406+40
W1-4L2(0)-48
STA 406+00

YIELD
AHEAD
W3-2(0)-48
STA 4+00

WET REFLECTIVE TEMPORARY
TAPE, TYPE III, 8 INCH (WHITE)
(9' SKIP, 3' DASH)
W4-1R(0)-48
STA 410+40

EXIT
STA 412+09

EXIT
14A
STA 407+60

W4-1R(0)-48
STA 409+39

YIELD
R1-2-48
STA 0+75

WET REFLECTIVE TEMPORARY TAPE,
TYPE III, 8 INCH (WHITE)
R1-2-48
STA 413+70

YIELD
AHEAD
W3-2(0)-48
STA 5+50

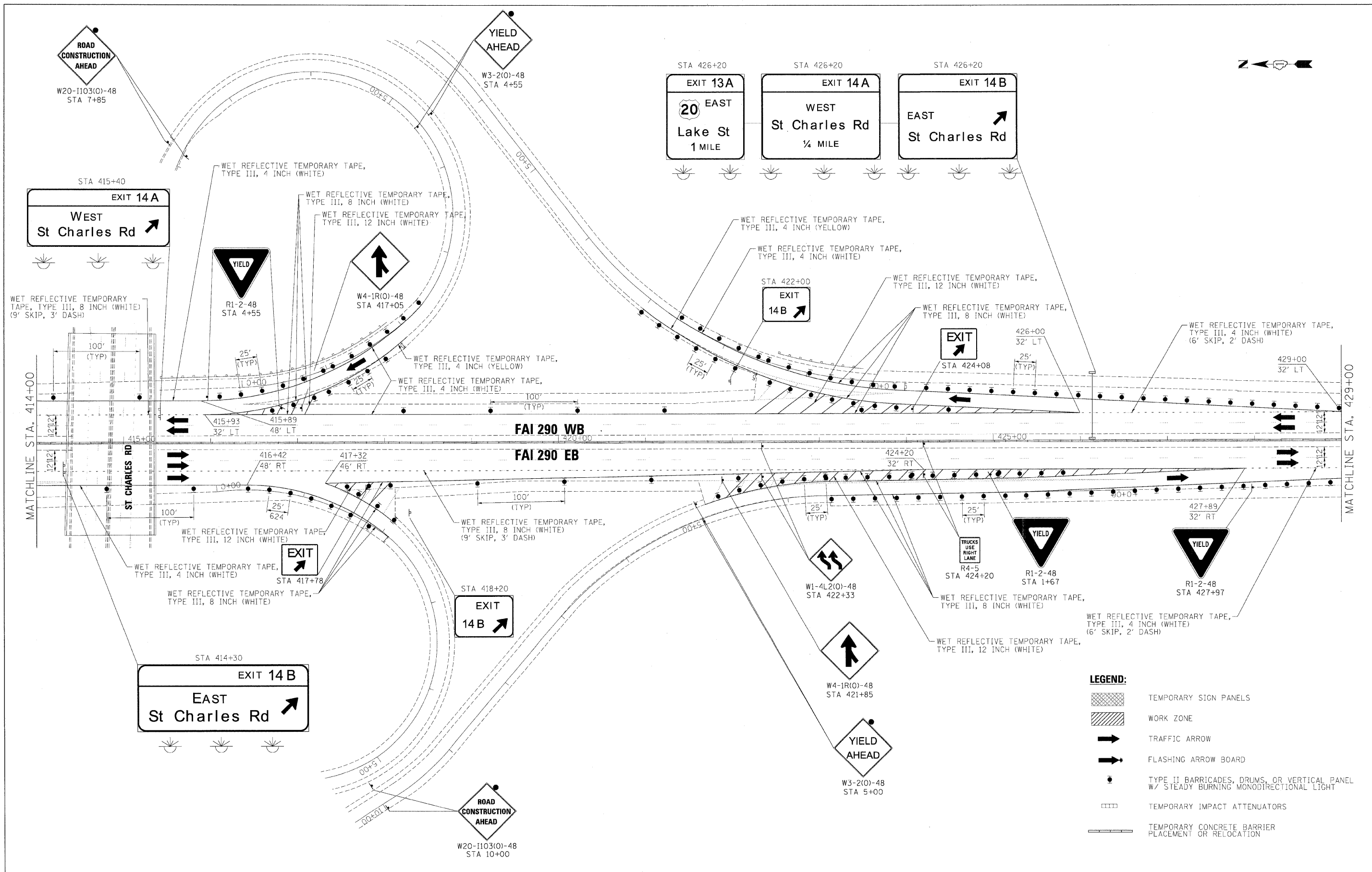
ROAD
CONSTRUCTION
AHEAD
W20-1103(0)-48
STA 7+80

EXIT 15A
SOUTH TOLLWAY
Indiana
RIGHT 3/4 MILE

EXIT 14B
EAST
St Charles Rd
1/4 MILE

EXIT 14A
WEST
St Charles Rd

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN - STAGE 1			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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DATE = 10/16/09	CHECKED - JJT	REVISED -			CONTRACT NO. 60157							
SCALE: 1"=50'	DATE	REVISED			SHEET NO. 20 OF 69 SHEETS			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
					STA. TO STA.							



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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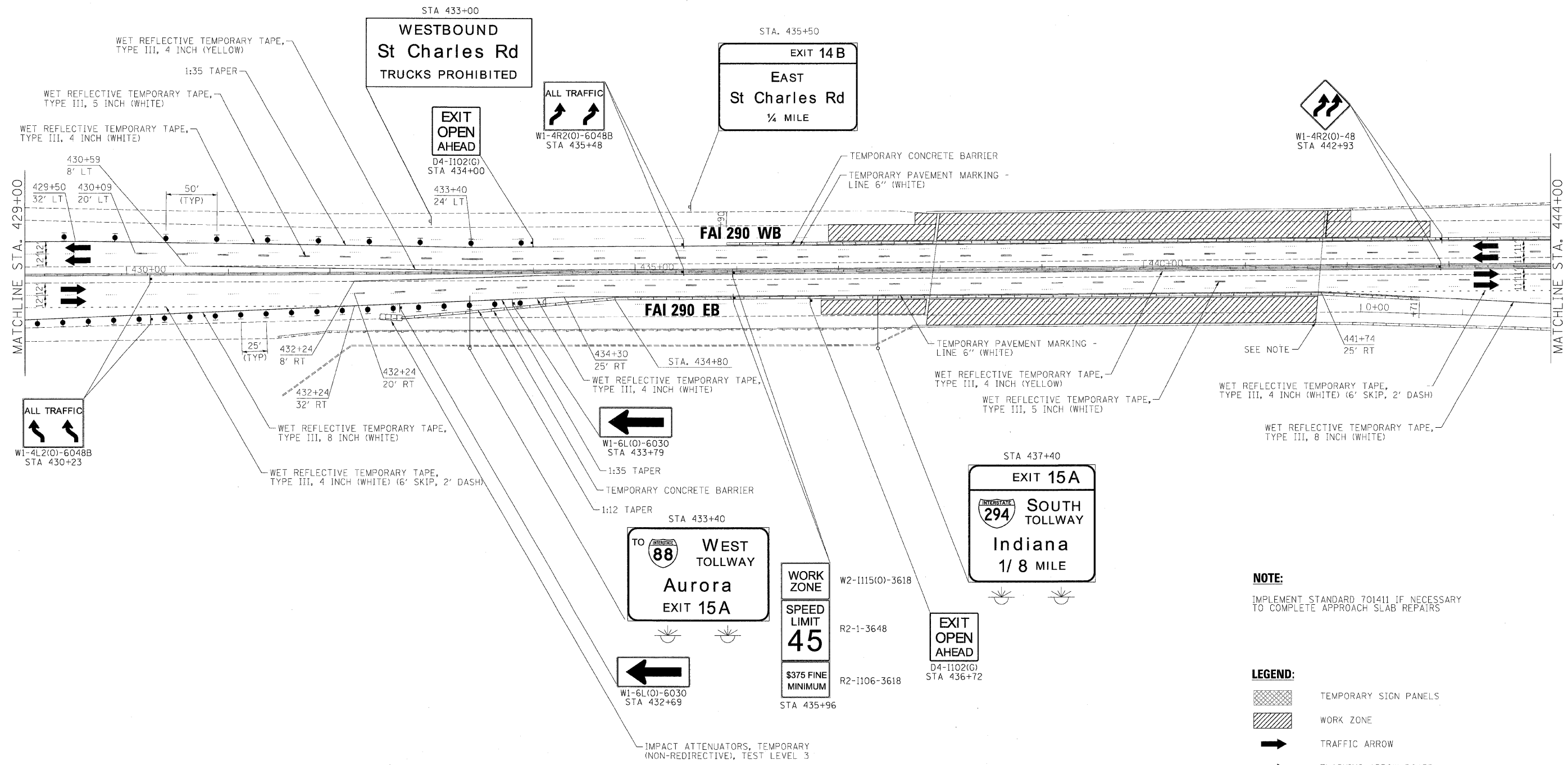
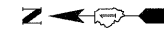
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 21 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	66
CONTRACT NO. 60157				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTE:
IMPLEMENT STANDARD 701411 IF NECESSARY TO COMPLETE APPROACH SLAB REPAIRS

- 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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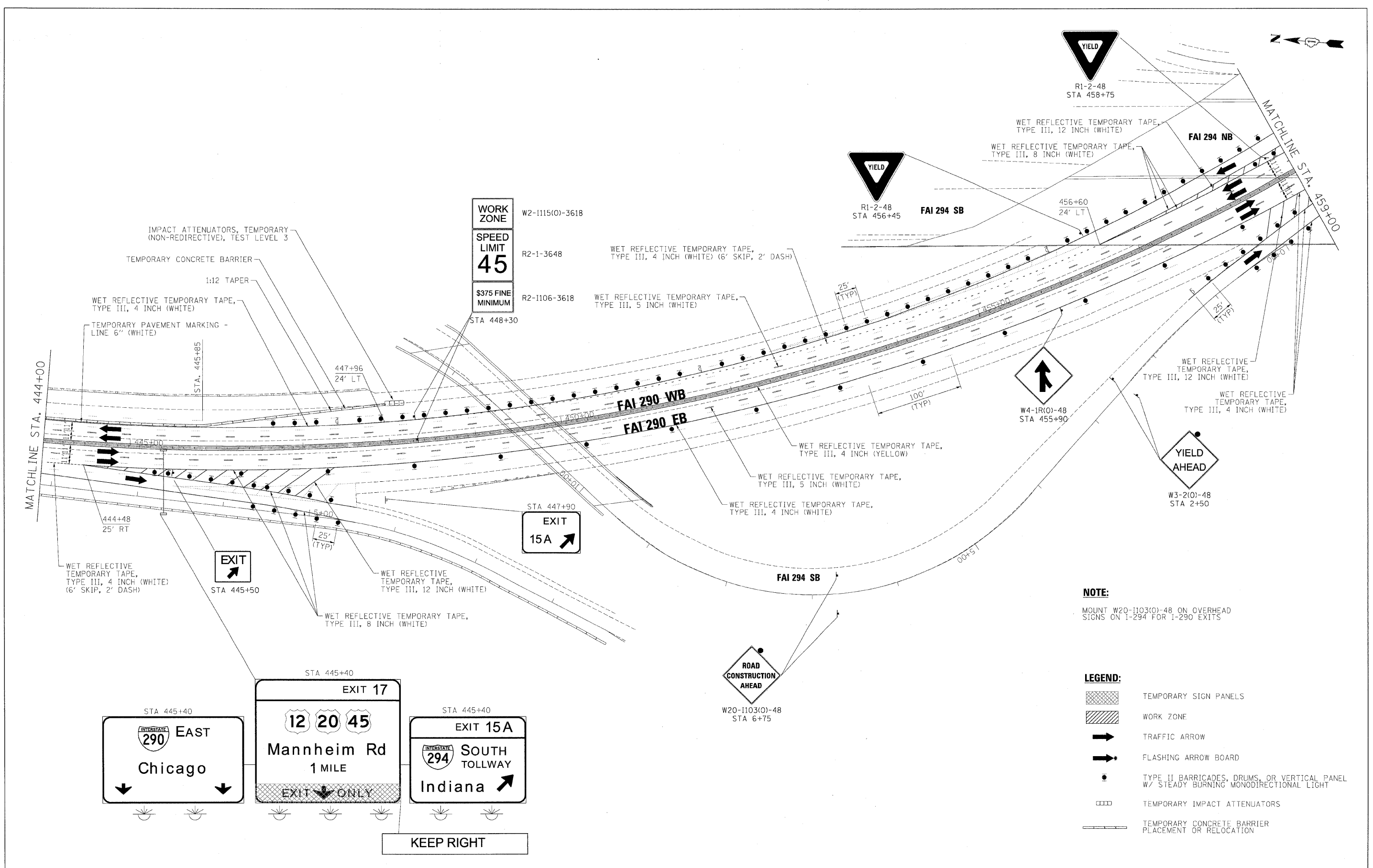
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

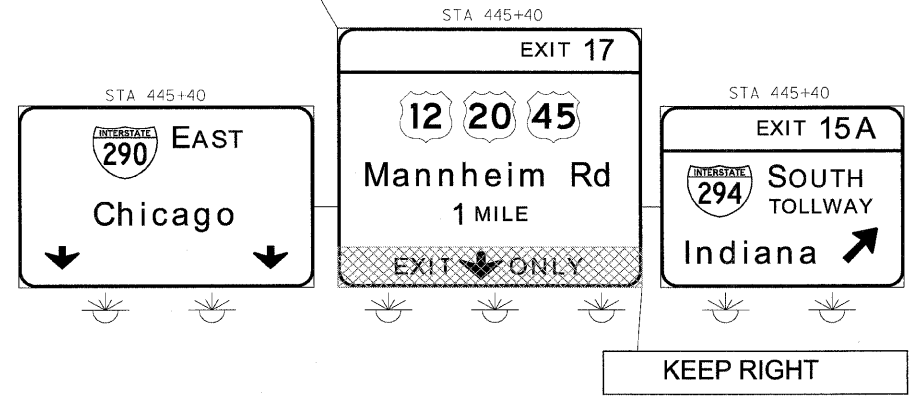
SCALE: 1"=50' SHEET NO. 22 OF 69 SHEETS STA. TO STA.

F.A.T. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	67
CONTRACT NO. 60157				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTE:
 MOUNT W20-1103(O)-48 ON OVERHEAD SIGNS ON I-294 FOR I-290 EXITS

- 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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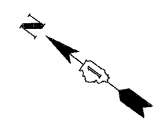
benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

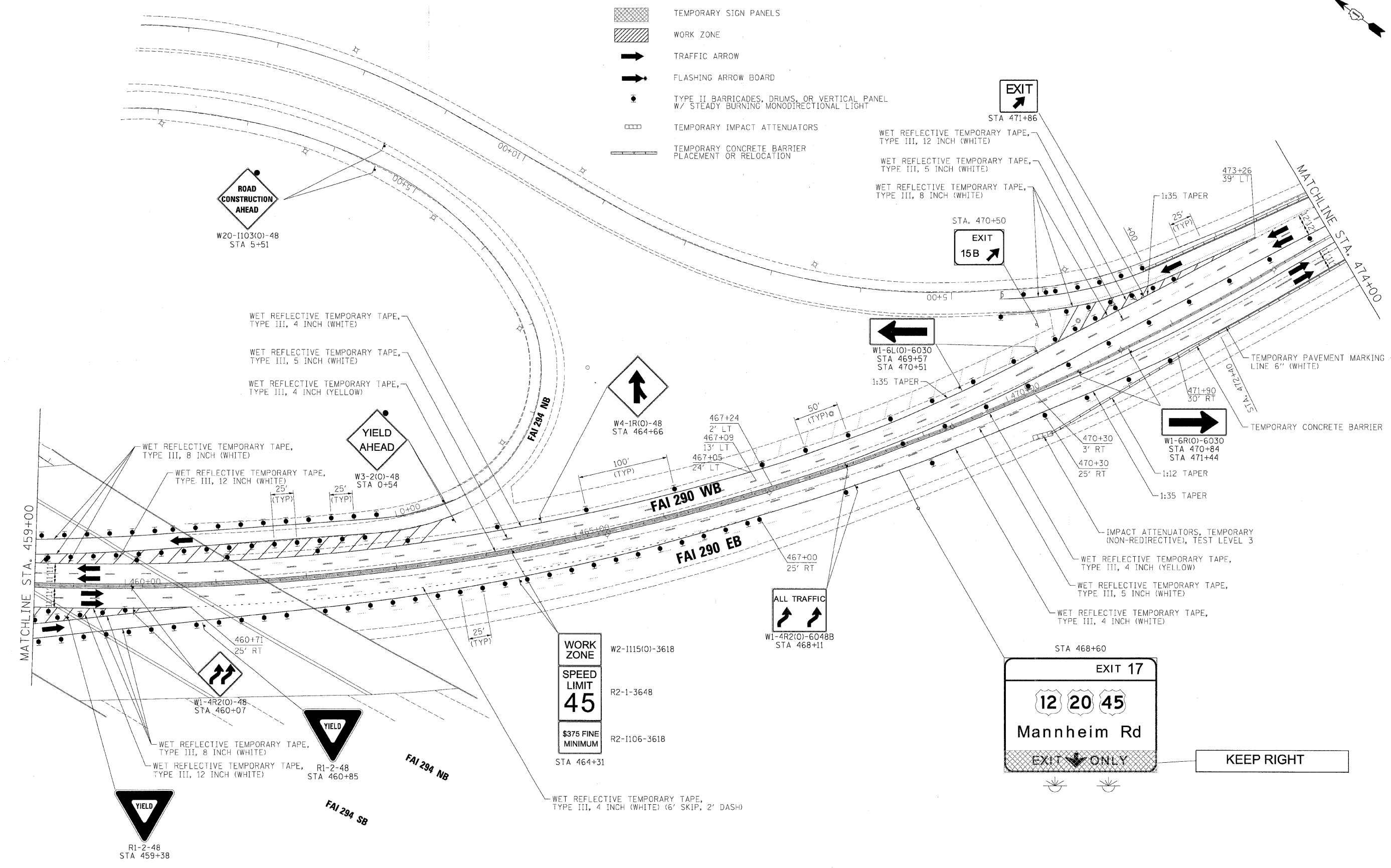
**MAINTENANCE OF TRAFFIC
 PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 23 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	68
FED. ROAD DIST. NO.			CONTRACT NO. 60157	
ILLINOIS FED. AID PROJECT				



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



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benesch

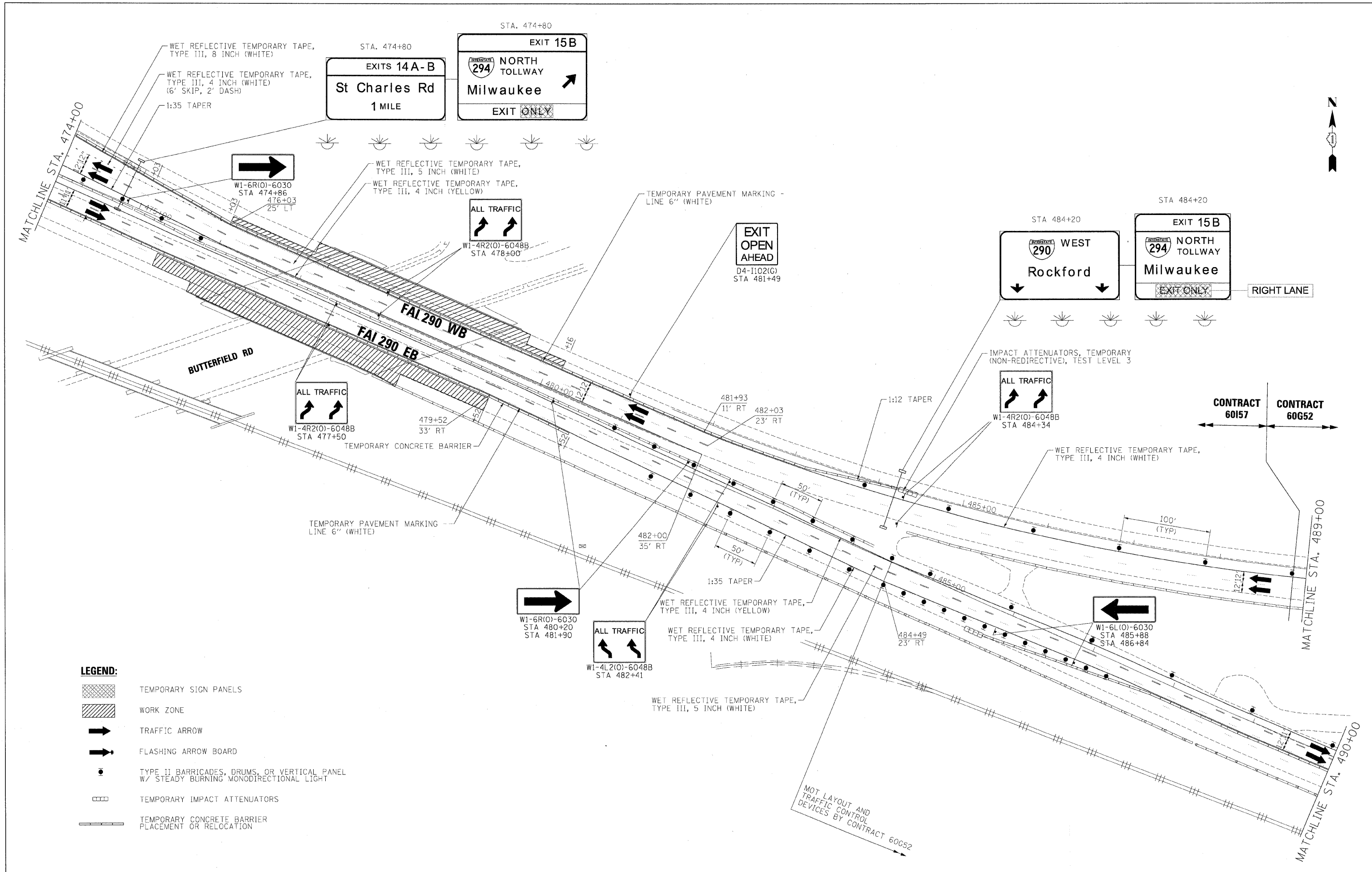
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 24 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	69
CONTRACT NO. 60157				

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



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

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benesch








**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

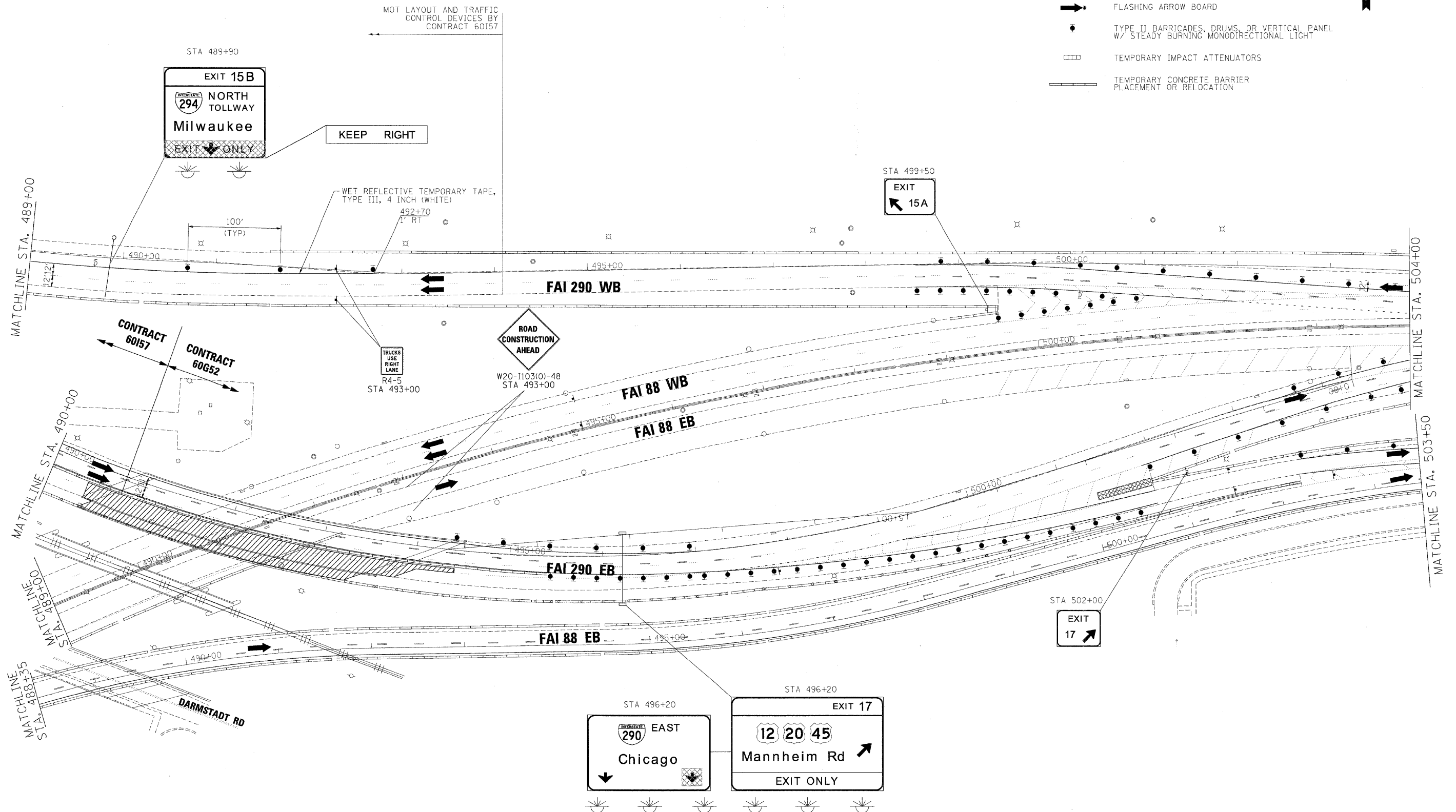
**MAINTENANCE OF TRAFFIC
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 25 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(3031.1, ETC., 3838)RS-5	COOK	298	70
CONTRACT NO. 60G52				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE:
 CONTRACTOR MUST COORDINATE TEMPORARY SIGNING,
 PAVEMENT MARKING AND MOVEABLE CONCRETE BARRIER
 WITH THE CONTRACTOR PERFORMING WORK ON CONTRACT 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



FILE NAME =	DESIGNED - AJP	REVISED -
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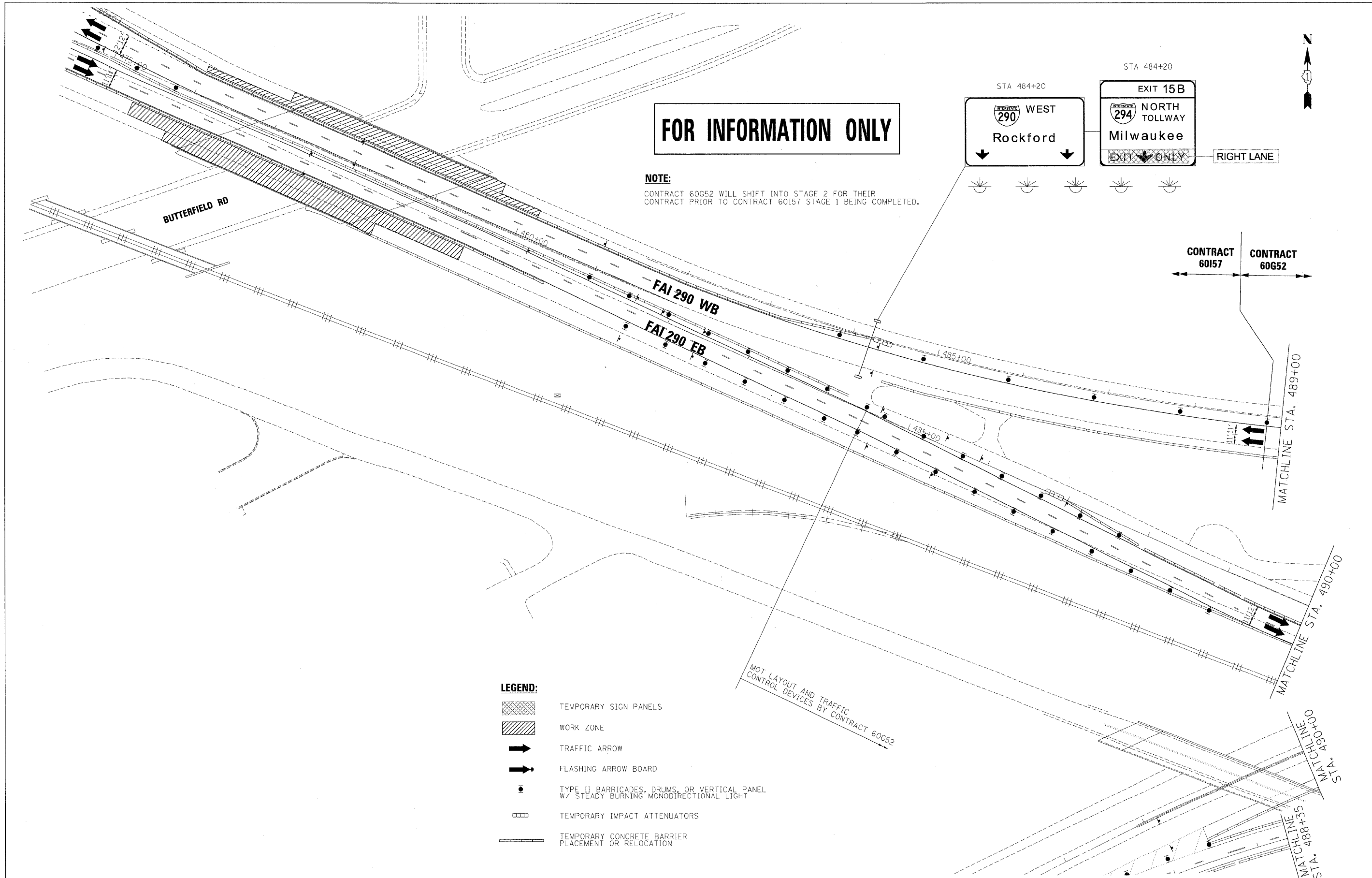
benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 PLAN - STAGE 1**

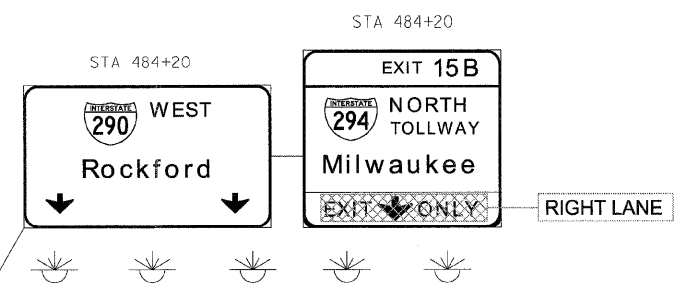
SCALE: 1"=50' SHEET NO. 26 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	71
CONTRACT NO. 60I57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

NOTE:
 CONTRACT 60G52 WILL SHIFT INTO STAGE 2 FOR THEIR CONTRACT PRIOR TO CONTRACT 60157 STAGE 1 BEING COMPLETED.



- 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

MOT LAYOUT AND TRAFFIC CONTROL DEVICES BY CONTRACT 60G52

FILE NAME =	DESIGNED - AJP	REVISED -
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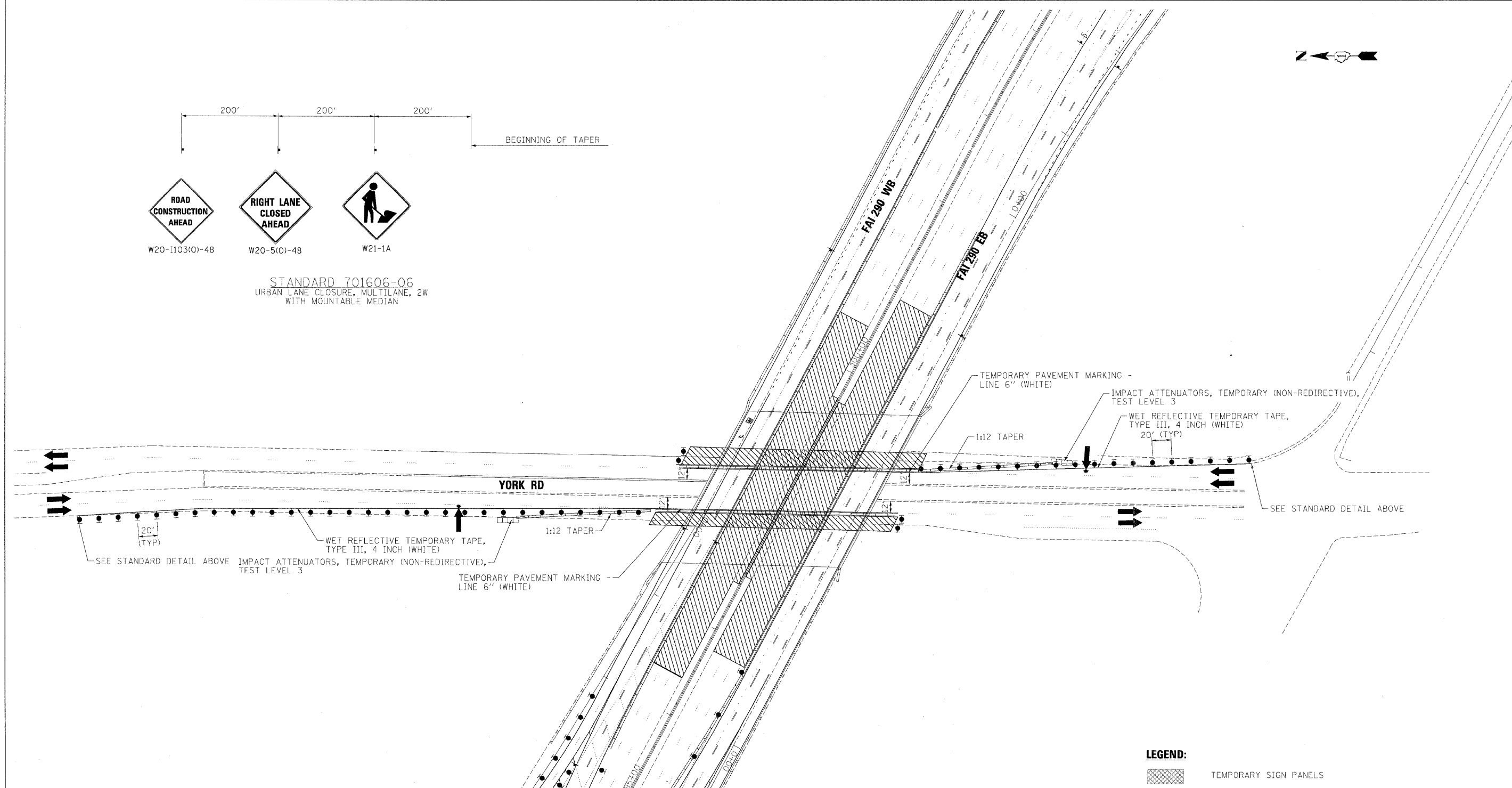
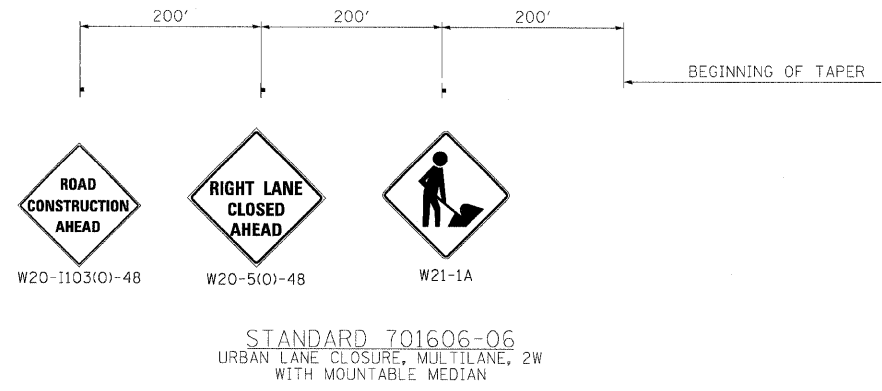
benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 27 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 290,355	220, 1-1, 2&3RS-7	DUPAGE	546	72
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60G51		



- 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:
LANE CLOSURES ARE NOT ALLOWED ON YORK ROAD WHILE NORTH AVENUE DETOUR ROUTE IS IN USE.

FILE NAME =	DESIGNED - AJP	REVISED -
...vprpln_ABC_C4_YORK_mot_ST_1_01.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JJT	REVISED -
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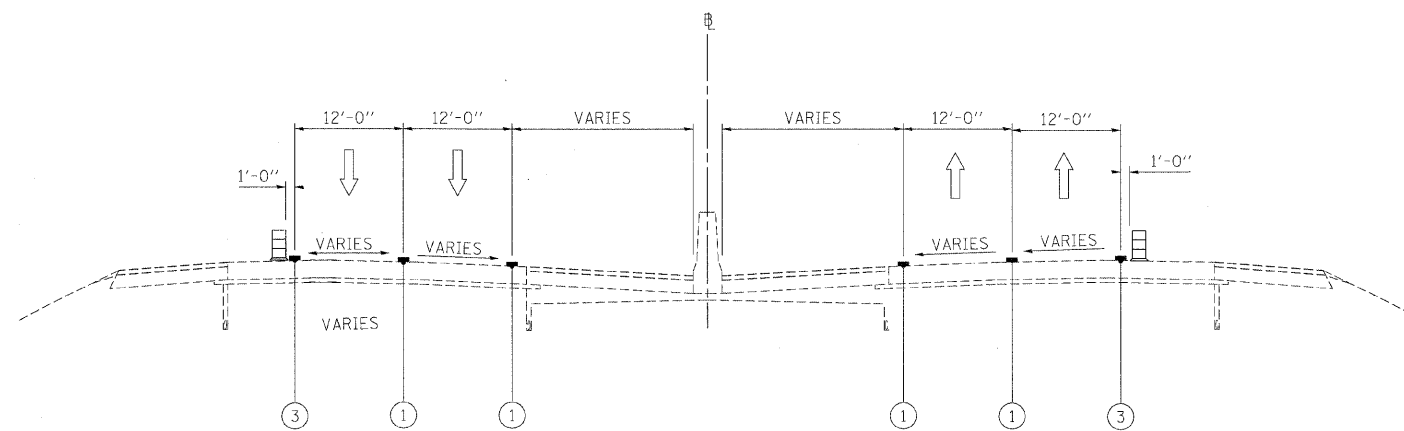
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2 - YORK ROAD**

SCALE: 1"=50' SHEET NO. 28 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	73
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60157	



STA 267+00 TO STA 289+08 (WB)

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

STA 267+00 TO STA 290+54 (EB)

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)
- ⑧ TEMPORARY CONCRETE BARRIER
- ⑨ TYPE II BARRIER, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⑩ WORK ZONE

FILE NAME =	DESIGNED - AJP	REVISED -
...\\prpln_abc\c4_ml_mot_typ_st_2.dgn	DRAWN - TMB	REVISED -
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

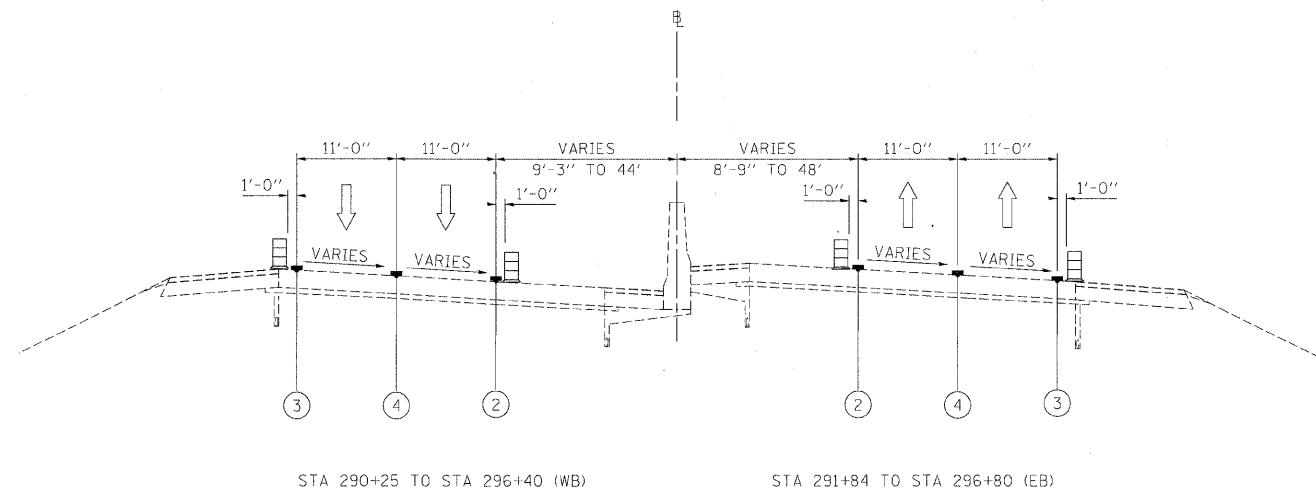
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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




SCALE: N.T.S. SHEET NO. 29 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	74
CONTRACT NO. 60157				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



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

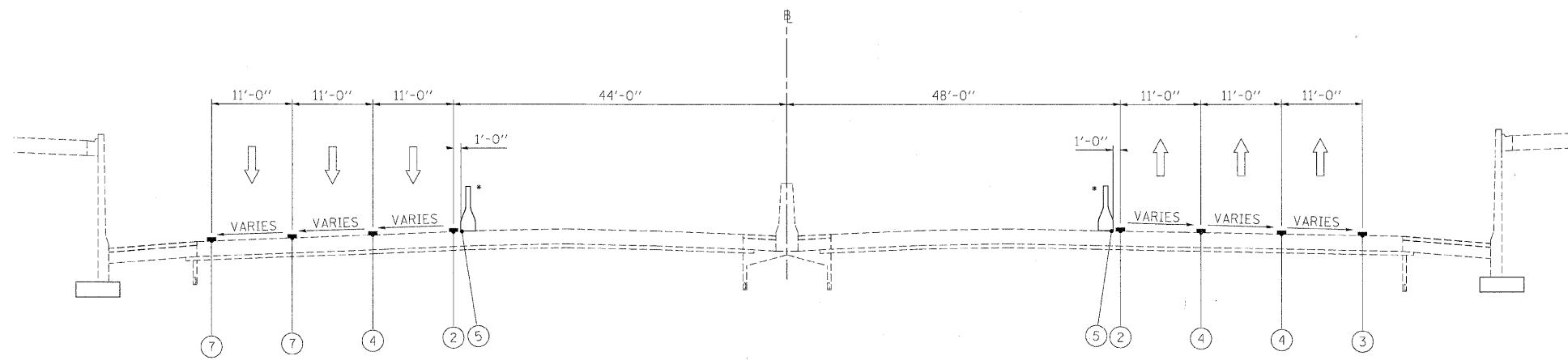
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

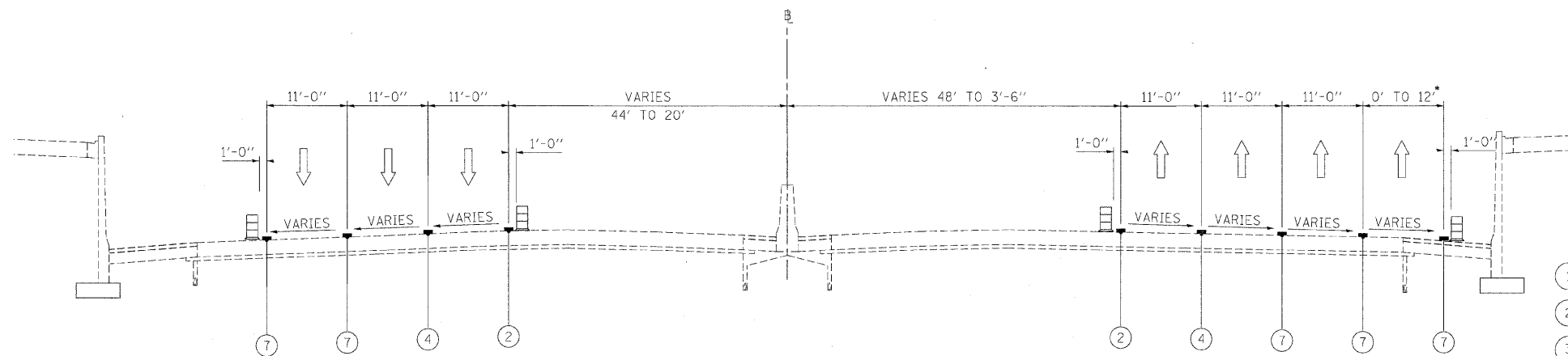
SCALE: N.T.S. SHEET NO. 30 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	75
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



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

STA 296+40 TO STA 304+00 (WB) STA 296+80 TO STA 306+10 (EB)
 BRIDGE OMISSION BRIDGE OMISSION
 STA 296+40 TO STA 300+56 STA 296+80 TO STA 300+90
 * TEMPORARY CONCRETE BARRIER STA 294+88 TO STA 303+90

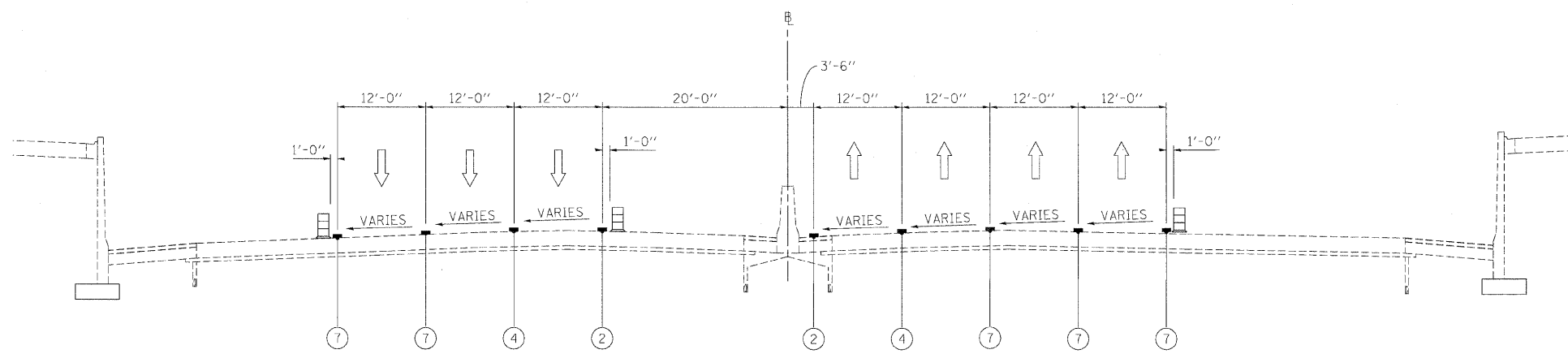


**I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
STAGE 2**

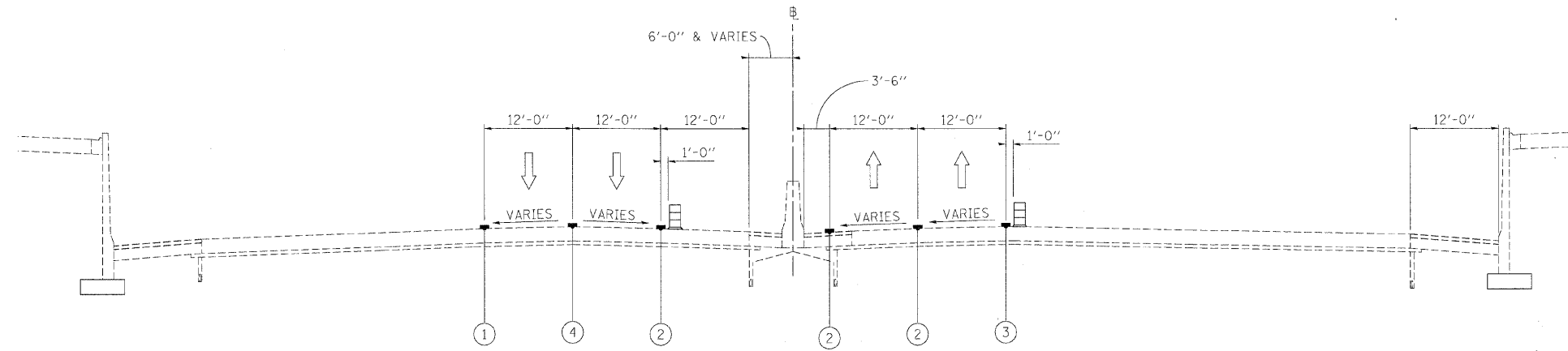
STA 304+00 TO STA 312+40 (WB) STA 306+10 TO STA 321+70 (EB)
 *LANE ADDITION BEGINS AT STA. 310+74

- 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 SECTIONS - STAGE 2			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...:\prpln-ABC-C4-m1-mot.typ.st.2.03.dgn	DRAWN - TMB	REVISED -			290	2009-099BR	COOK/DUPAGE	309	76			
USER NAME = tb.ank	CHECKED - JJT	REVISED -			CONTRACT NO. 60157							
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 31 OF 69 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



STA 312+40 TO STA 331+36 (WB) **I-290 MAINTENANCE OF TRAFFIC TYPICAL SECTION STAGE 2** STA 321+70 TO STA 331+15 (EB)



STA 331+36 TO STA 338+26 (WB) **I-290 MAINTENANCE OF TRAFFIC TYPICAL SECTION STAGE 2** STA 331+15 TO STA 346+10 (EB)

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

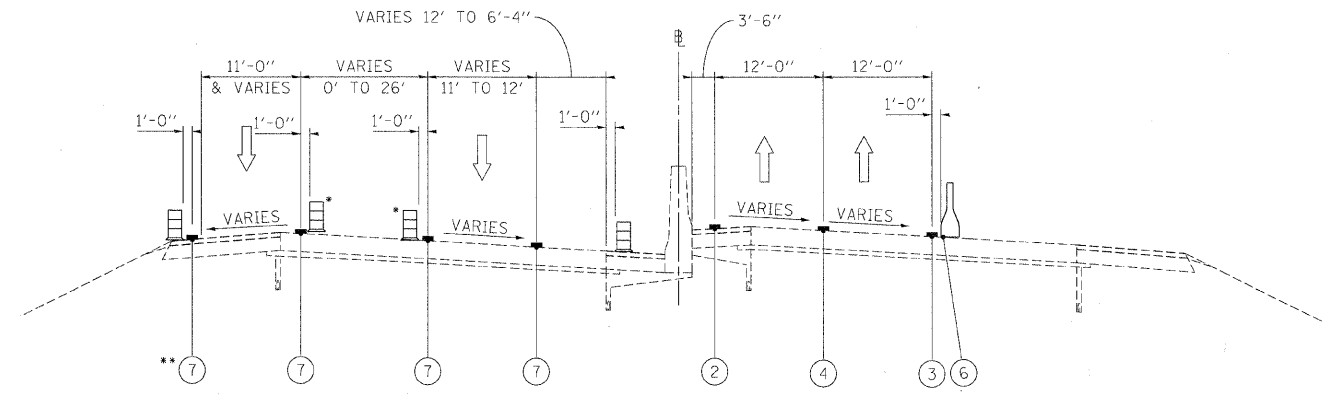
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: N.T.S. SHEET NO. 32 OF 69 SHEETS STA. TO STA.

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	77
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60157	



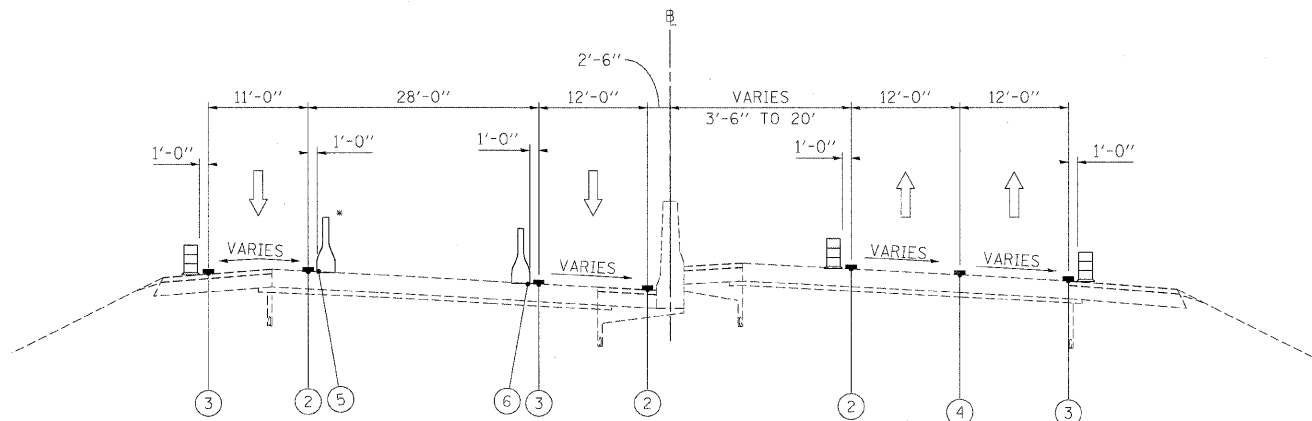
I-290 MAINTENANCE OF TRAFFIC TYPICAL SECTION STAGE 2

STA 338+26 TO STA 349+84 (WB) STA 346+10 TO STA 349+13 (EB)
 STA 353+73 TO STA 356+60 (EB)

••USE EXISTING PAVEMENT PARKING FROM STA 338+26 TO STA 342+94
 •TEMPORARY CONCRETE BARRIER STA 346+60 TO STA 349+84

BRIDGE OMISSION
 STA 349+84 TO STA 354+01
 STA 377+81 TO STA 389+79

BRIDGE OMISSION
 STA 348+80 TO STA 353+23
 STA 378+64 TO STA 389+72



I-290 MAINTENANCE OF TRAFFIC TYPICAL SECTION STAGE 2

STA 354+01 TO STA 358+50 (WB) STA 356+60 TO STA 362+40 (EB)
 *OMIT TEMPORARY CONCRETE BARRIER STA 357+00 TO STA 360+00

LEGEND

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

FILE NAME =	DESIGNED - AJP	REVISED -
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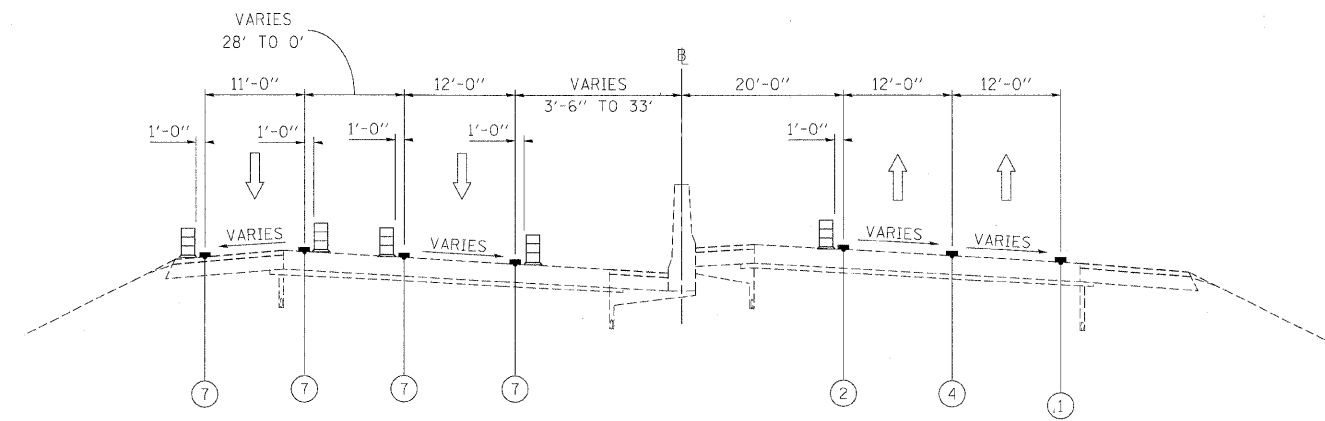
benesch

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS - STAGE 2

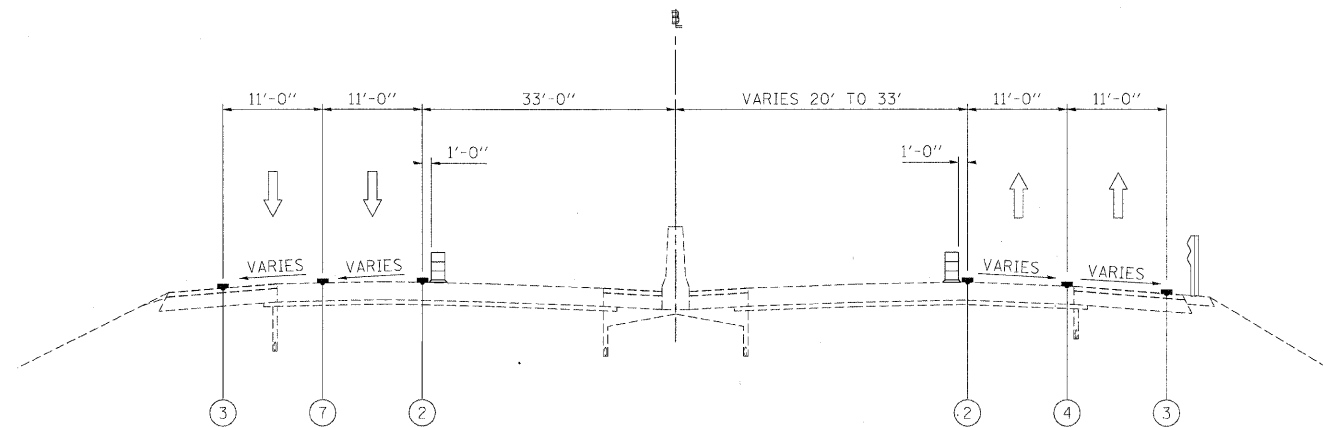
SCALE: N.T.S. SHEET NO. 33 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	78
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



STA 358+50 TO STA 368+48 (WB) STA 362+40 TO STA 370+55 (EB)

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



STA 368+48 TO STA 376+82 (WB) STA 370+55 TO STA 375+10 (EB)

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

OMIT STA 377+82 TO STA 389+79 FOR BRIDGE

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

FILE NAME =	DESIGNED - AJP	REVISED -
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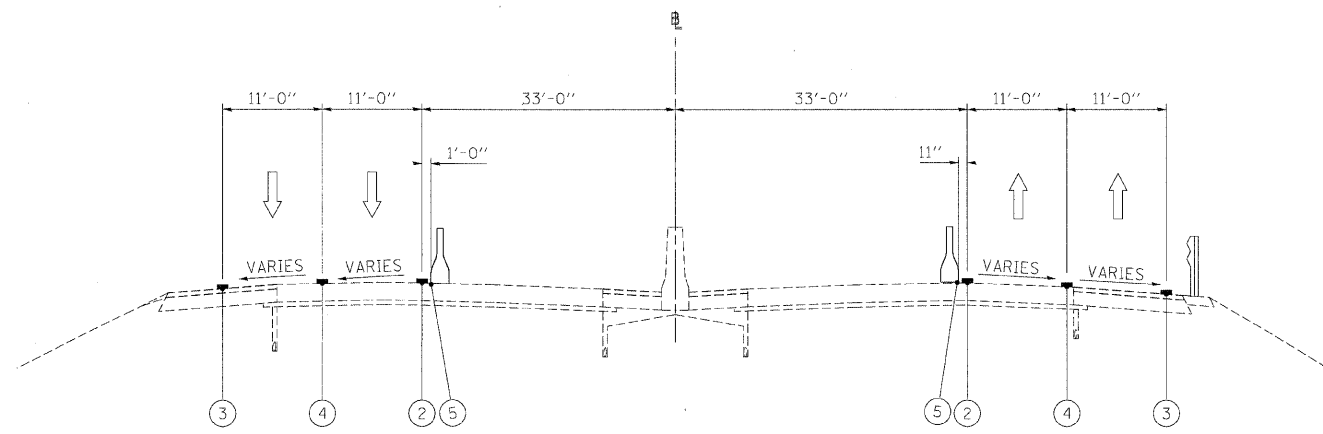
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: N.T.S. SHEET NO. 34 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	79
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60157	






STA 376+82 TO STA 393+00 (WB) STA 375+10 TO STA 393+25 (EB)

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

SEE STAGE CONSTRUCTION DETAILS FROM TYPICAL SECTION THROUGH BRIDGE

LEGEND

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

FILE NAME =	DESIGNED - AJP	REVISED -
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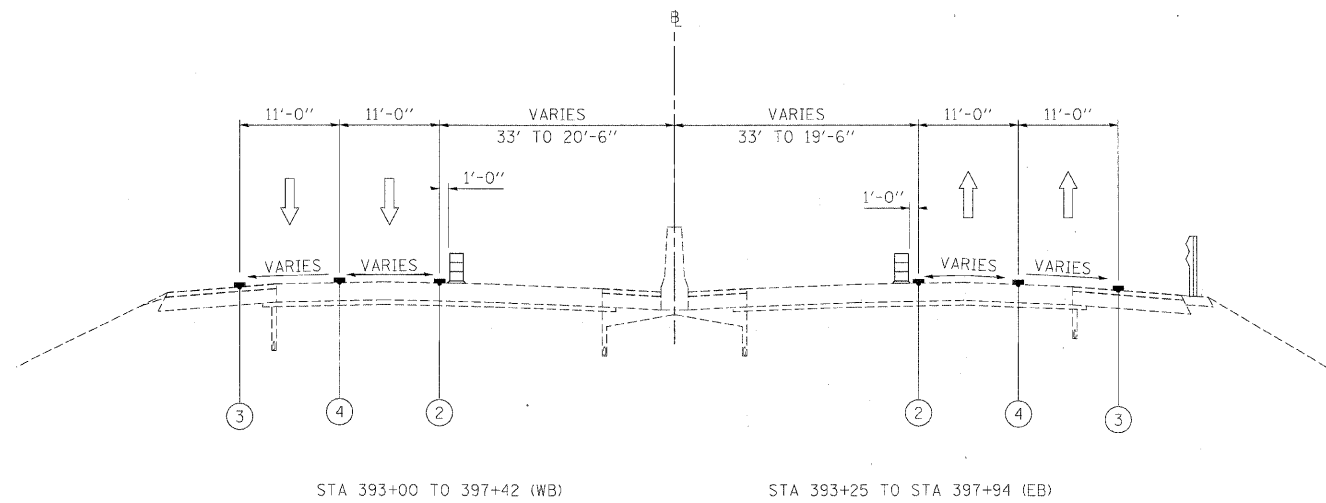
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

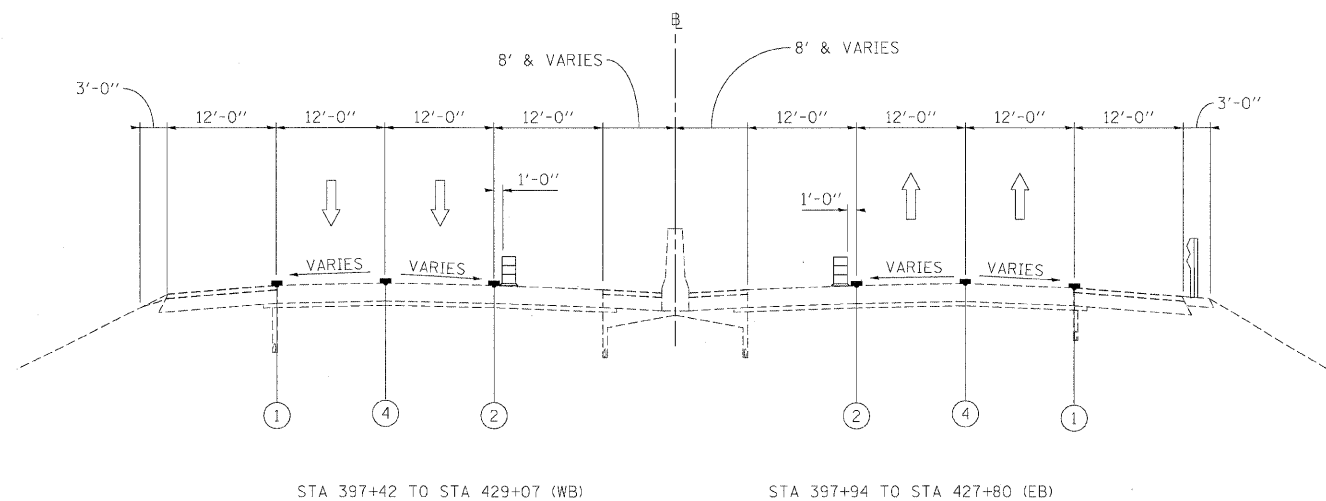
**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS - STAGE 2**

SCALE: N.T.S. SHEET NO. 35 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	80
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60157	



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



**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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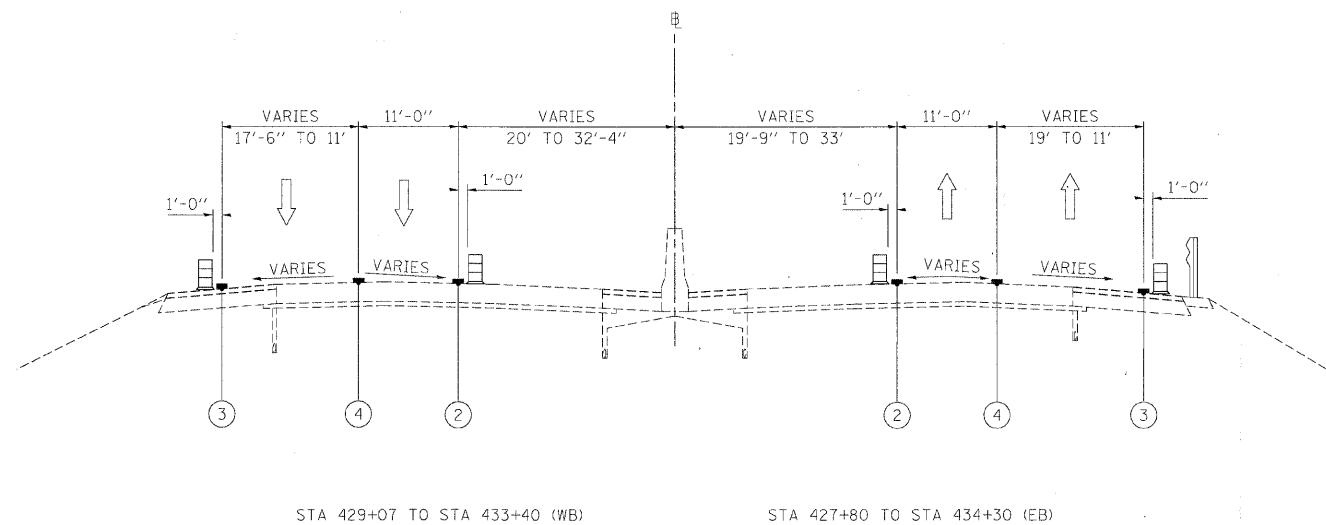
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

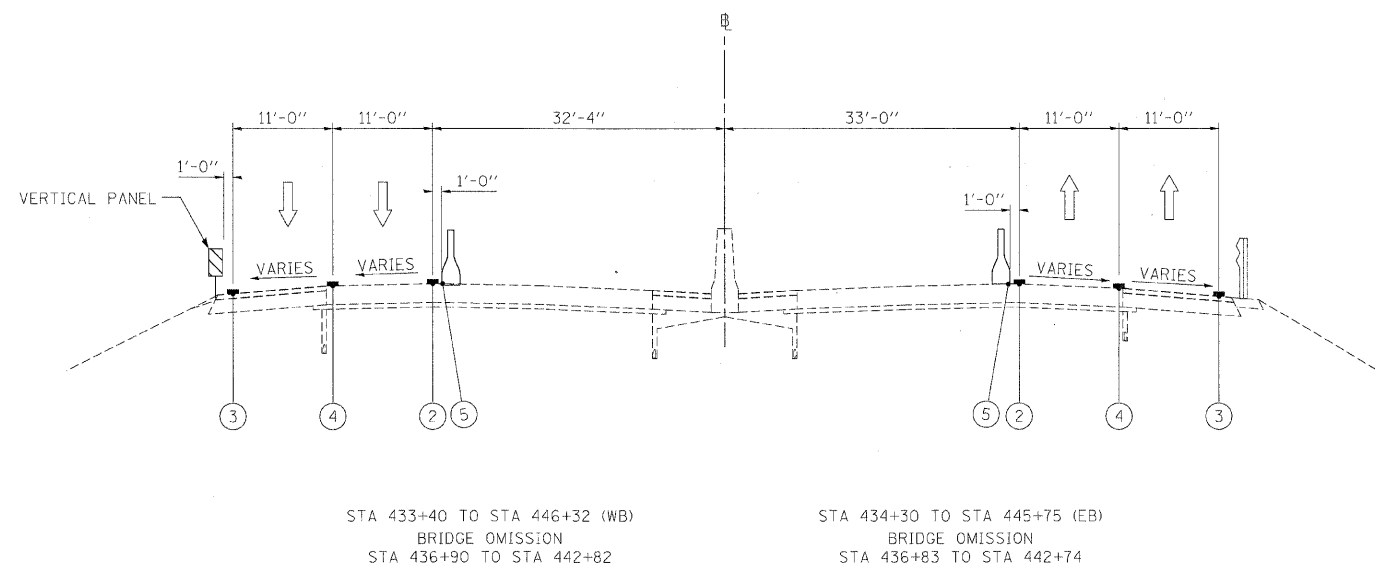
**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS - STAGE 2**

SCALE: N.T.S. SHEET NO. 36 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	81
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60157	



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



**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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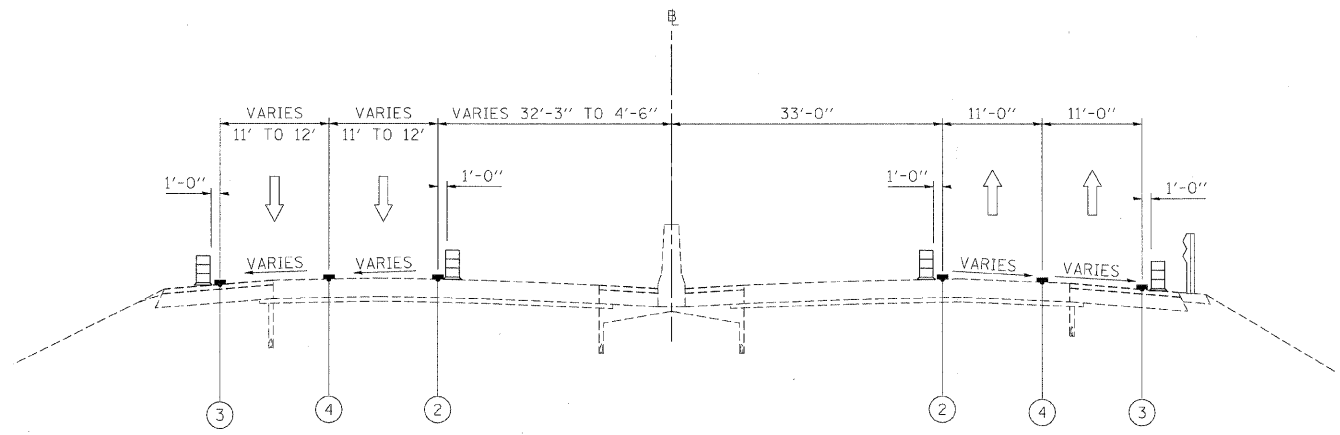
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

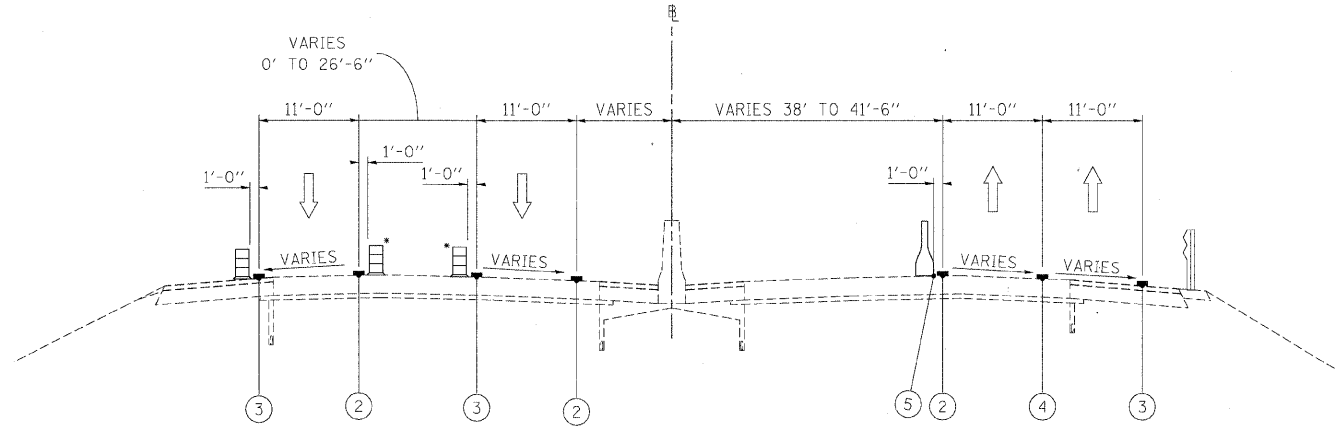
**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS - STAGE 2**

SCALE: N.T.S. SHEET NO. 37 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	82
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



I-290 MAINTENANCE OF TRAFFIC
TYPICAL SECTION
 STAGE 2



STA 468+71 TO STA 476+03 (WB) STA 470+15 TO STA 475+39 (EB)

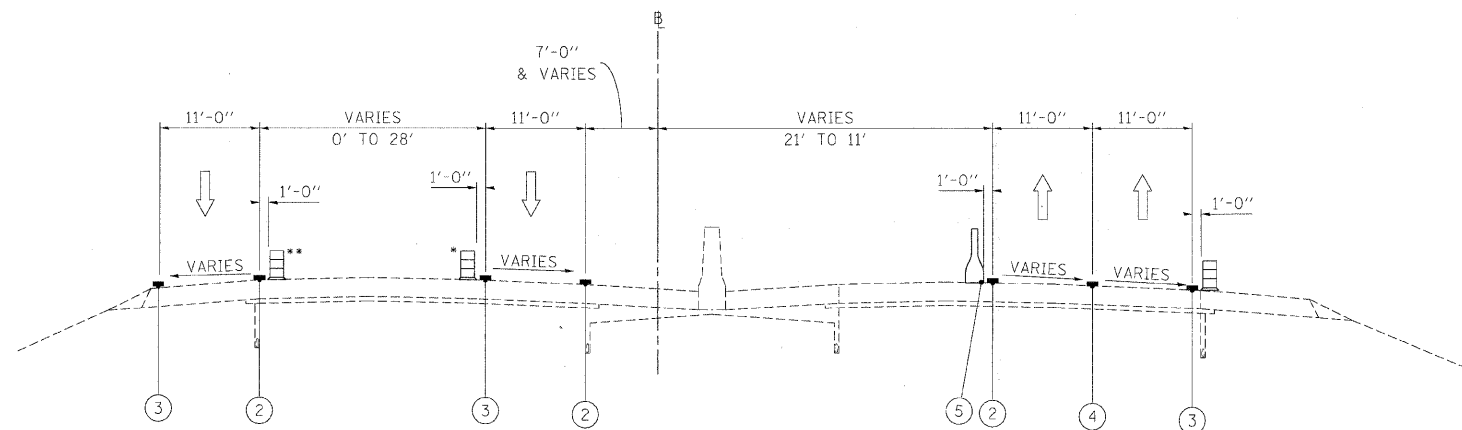
• TEMPORARY CONCRETE BARRIER STA 473+00 TO STA 476+03
 BRIDGE OMISSION
 STA 476+03 TO STA 480+16

BRIDGE OMISSION
 STA 475+39 TO STA 479+52

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 SECTIONS - STAGE 2			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -											
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT													

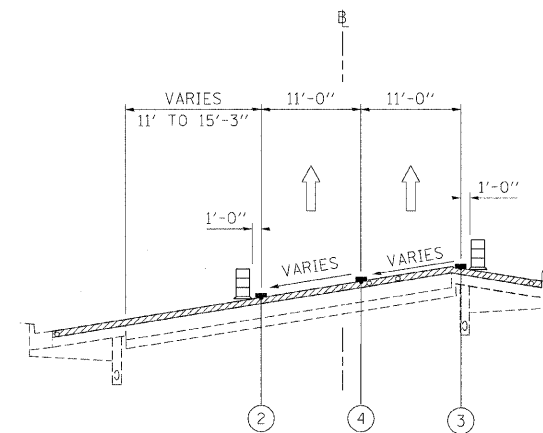


STA 480+16 TO STA 495+05(WB)

STA 479+52 TO STA 482+22 (EB)

- * TEMPORARY CONCRETE BARRIER STA 480+16 TO STA 486+15
- ** TEMPORARY CONCRETE BARRIER STA 480+10 TO STA 482+15; STA 485+15 TO STA 486+15

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



STA 482+22 TO STA 487+75 (EB)

**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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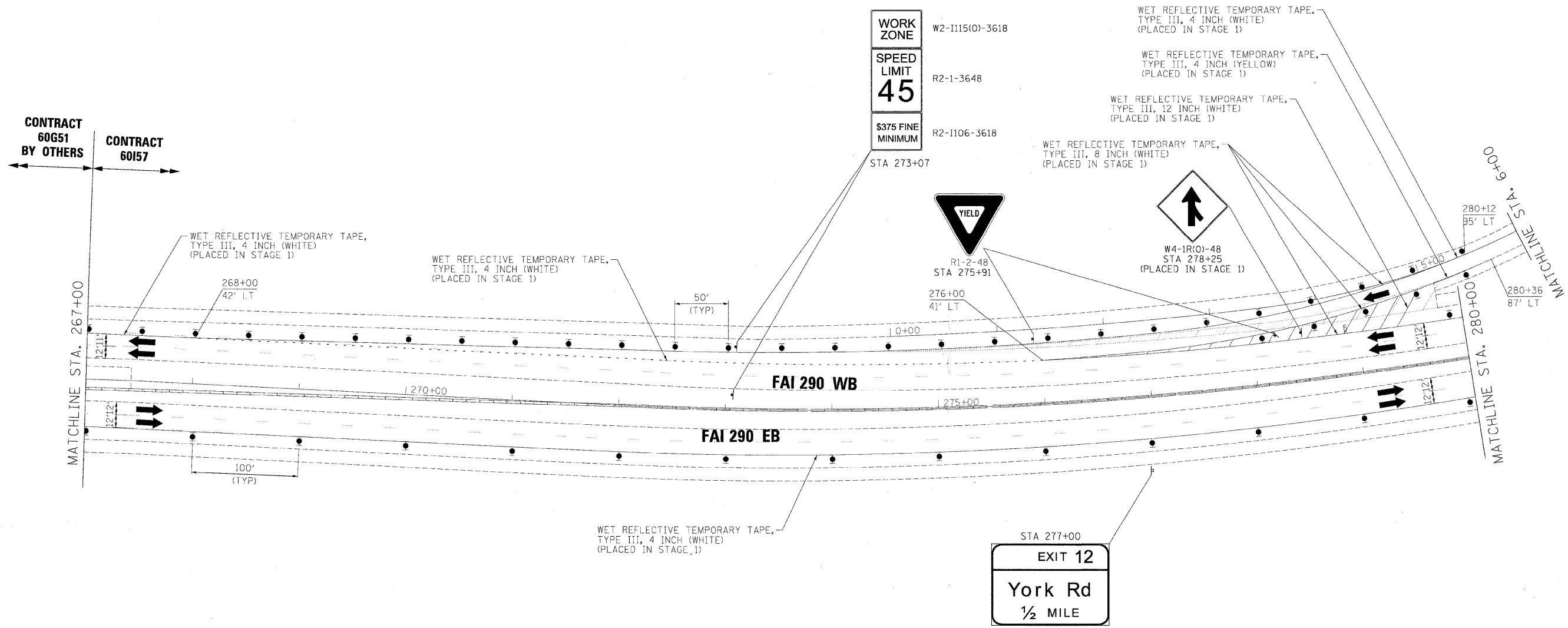
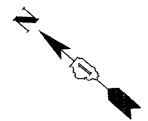
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: N.T.S. SHEET NO. 39 OF 69 SHEETS STA. TO STA. *

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	84
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60157	



- 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:
 CONTRACTOR MUST COORDINATE TEMPORARY SIGNING, PAVEMENT MARKING AND MOVEABLE CONCRETE BARRIER WITH THE CONTRACTOR PERFORMING WORK ON CONTRACT 60651

FILE NAME =	DESIGNED - AJP	REVISED -
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USER NAME = tblank	CHECKED - JJT	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch








**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

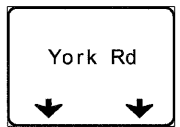
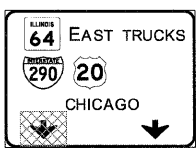
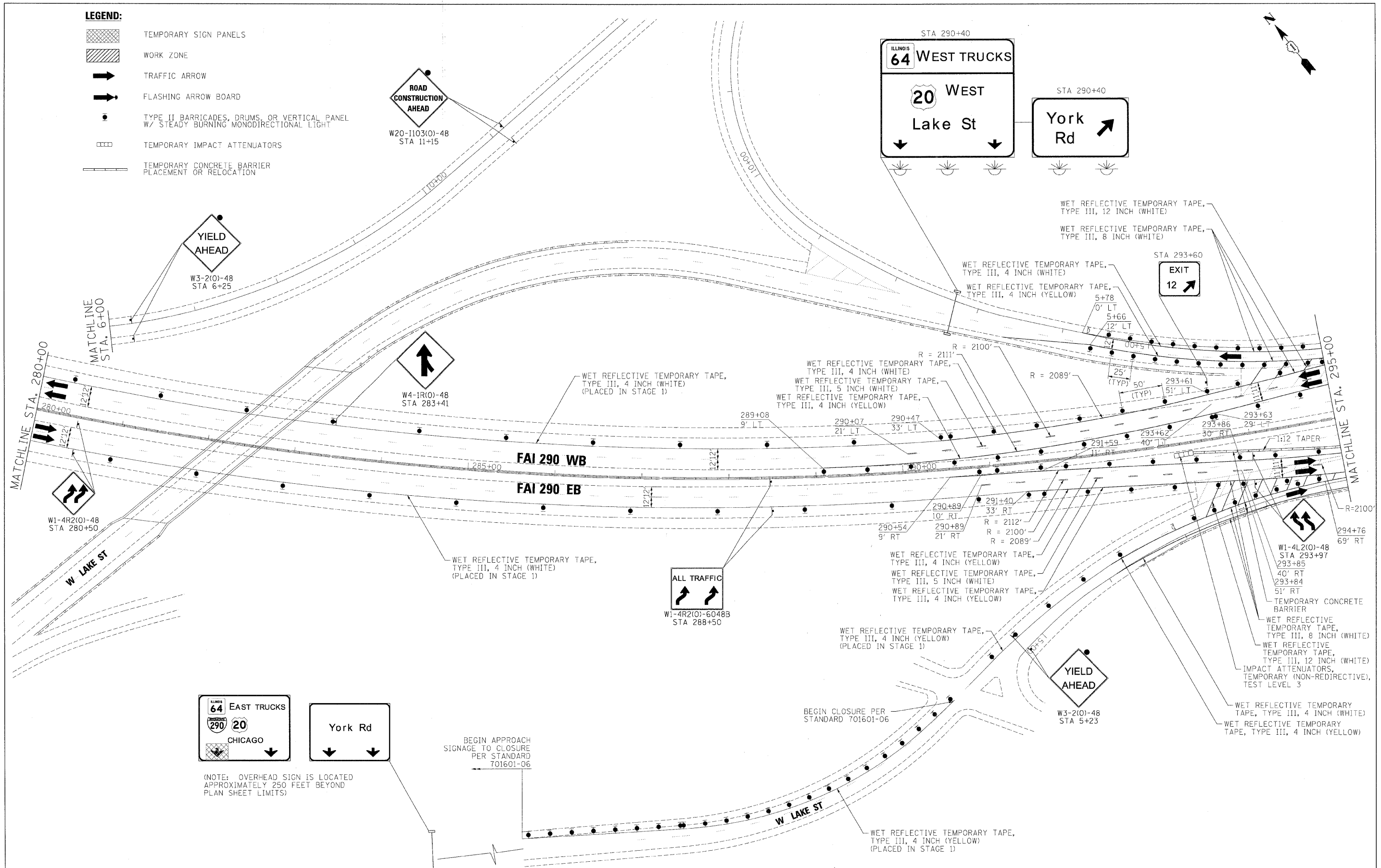
**MAINTENANCE OF TRAFFIC
 PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 11 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	85
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60157	

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

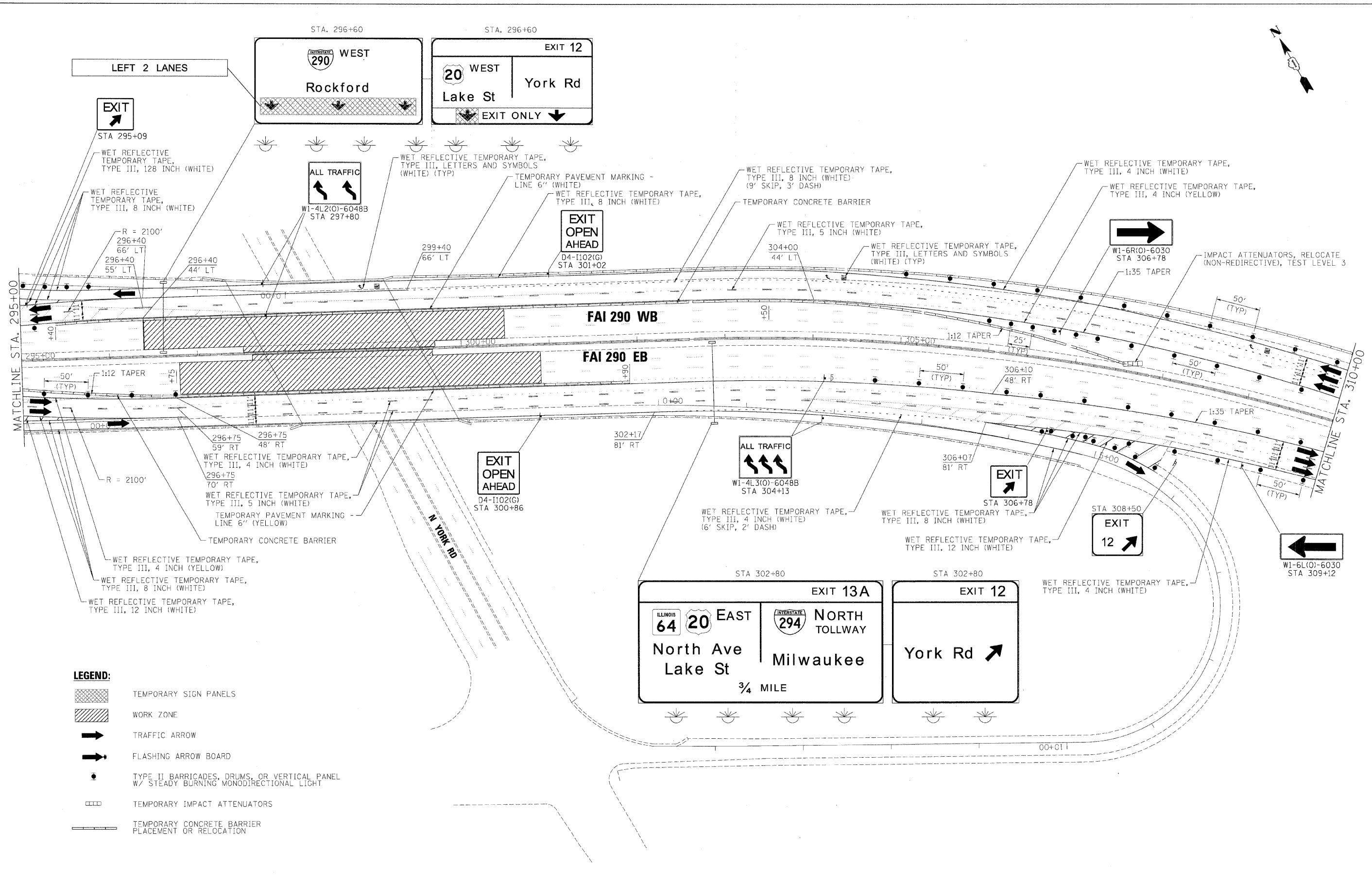
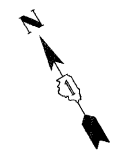


(NOTE: OVERHEAD SIGN IS LOCATED APPROXIMATELY 250 FEET BEYOND PLAN SHEET LIMITS)

BEGIN APPROACH SIGNAGE TO CLOSURE PER STANDARD 701601-06

BEGIN CLOSURE PER STANDARD 701601-06

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN - STAGE 2	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
...:\ppln\ABC.C4.298_mtl.ST_2.47.dgn	DRAWN - TMB	REVISED -				290	2009-0998R	COOK/DUPAGE	309	86				
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -				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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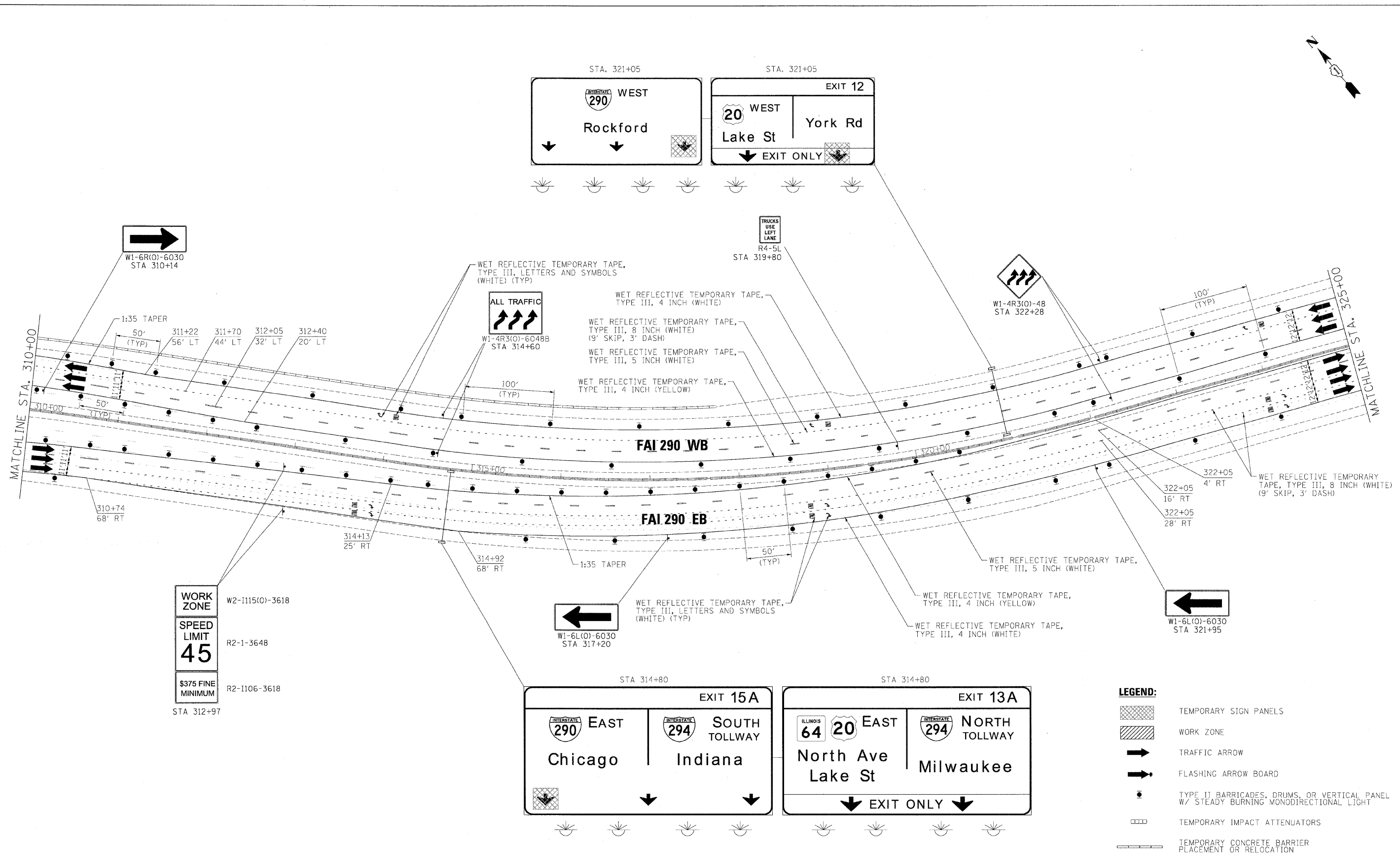
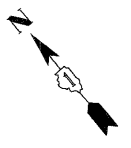
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 42 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	87
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60157	



WORK ZONE
W2-1115(O)-3618

SPEED LIMIT 45
R2-1-3648

\$375 FINE MINIMUM
R2-1106-3618

STA 312+97

FILE NAME =	DESIGNED - AJP	REVISED -
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PLOT DATE = 1/13/2009	DATE - 10/16/09	REVISED -

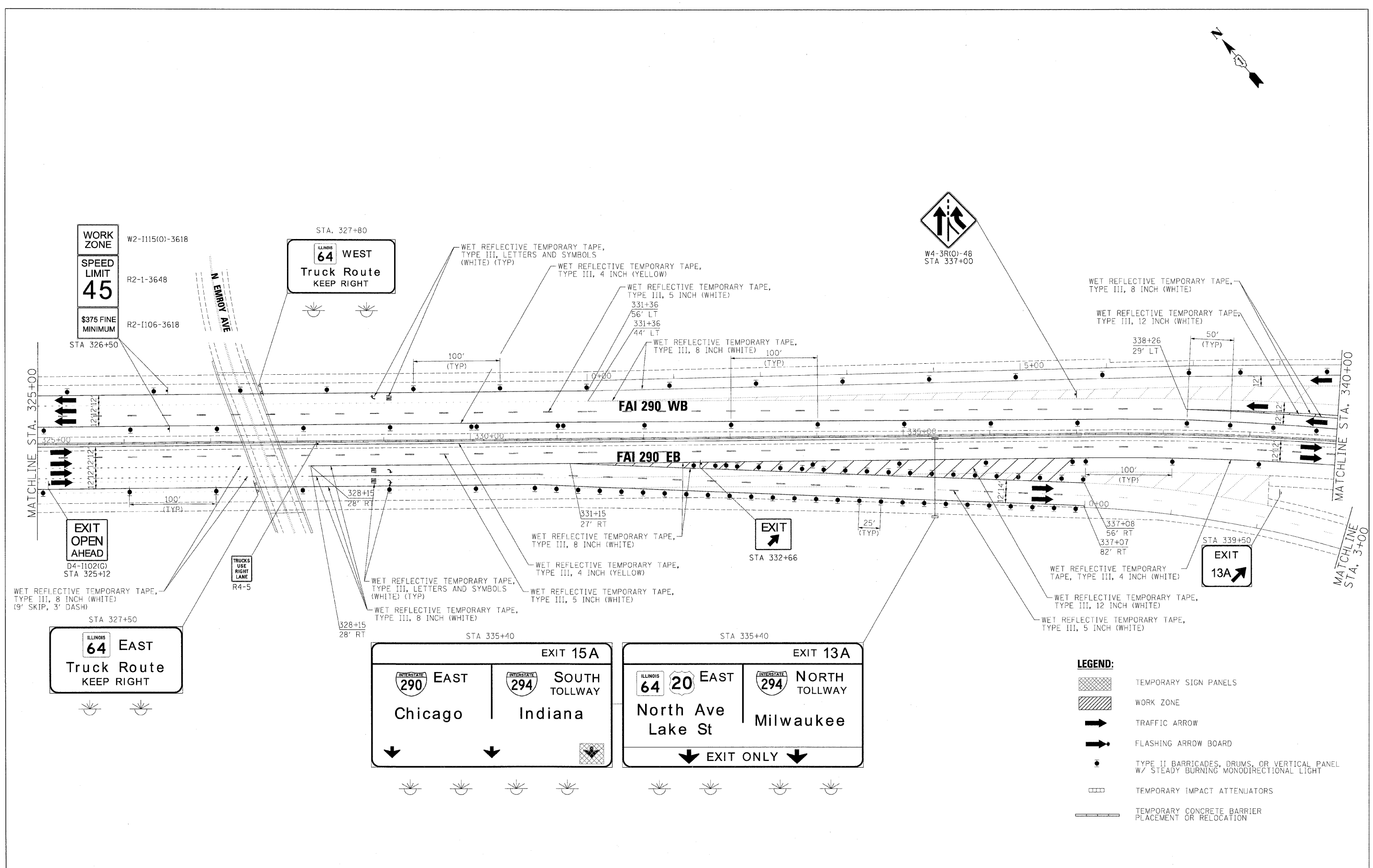
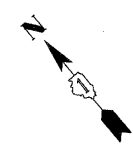
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 43 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	88
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	










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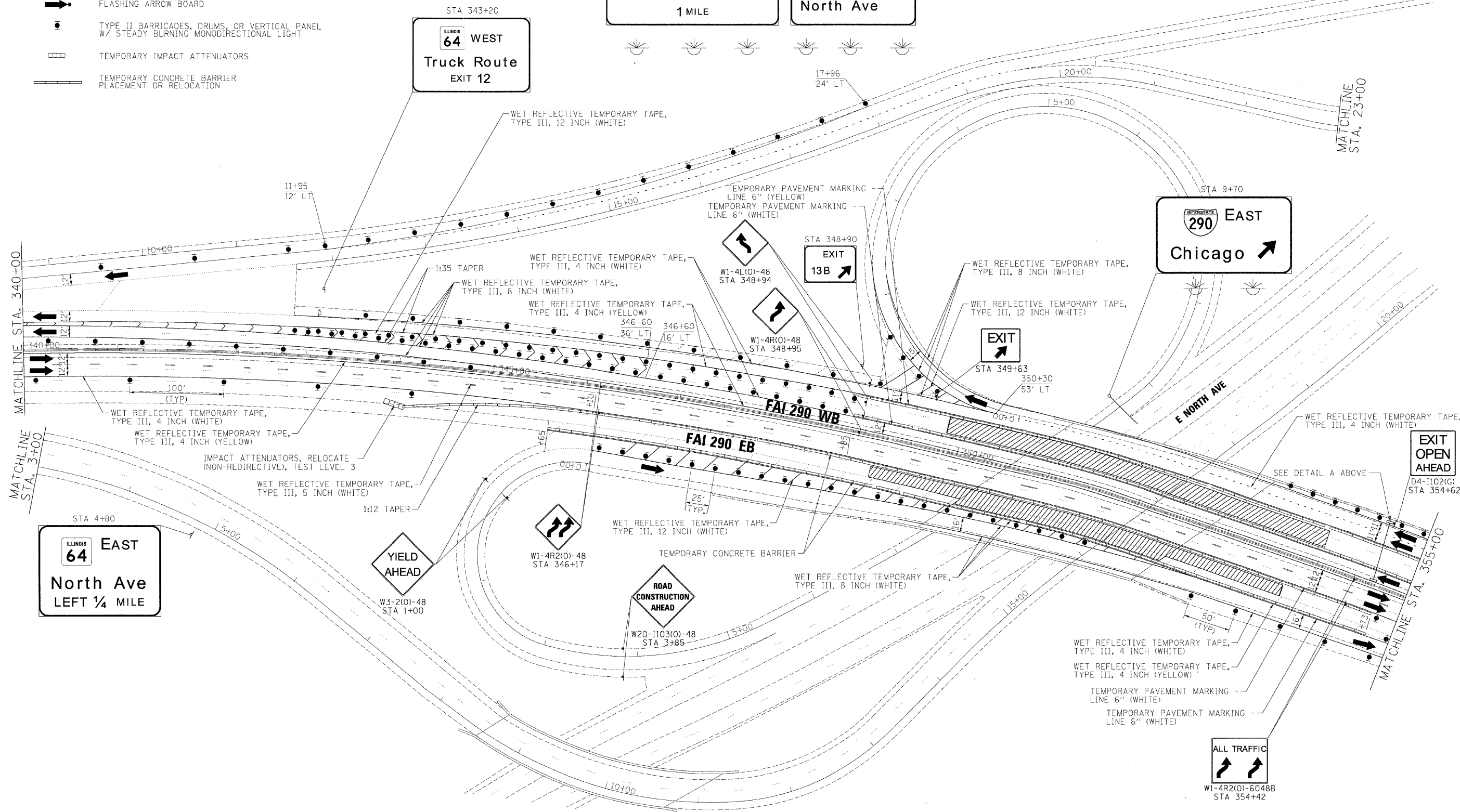
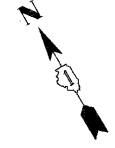
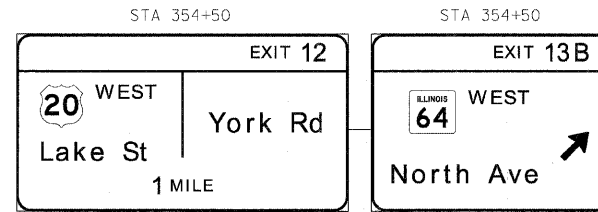
	TEMPORARY SIGN PANELS
	WORK ZONE
	TRAFFIC ARROW
	FLASHING ARROW BOARD
	TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATORS
	TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN - STAGE 2			F.A.I. RTE. = 290	SECTION = 2009-0998R	COUNTY = COOK/DUPAGE	TOTAL SHEETS = 309	SHEET NO. = 89	
USER NAME = tblank	DRAWN - TMB	REVISED -			SCALE: 1"=50'	SHEET NO. 44 OF 69 SHEETS	STA. TO STA.	CONTRACT NO. 60157					
PLOT DATE = 11/13/2009	CHECKED - JJT	REVISED -											
	DATE = 10/16/09	REVISED -											
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

DETAIL A:



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

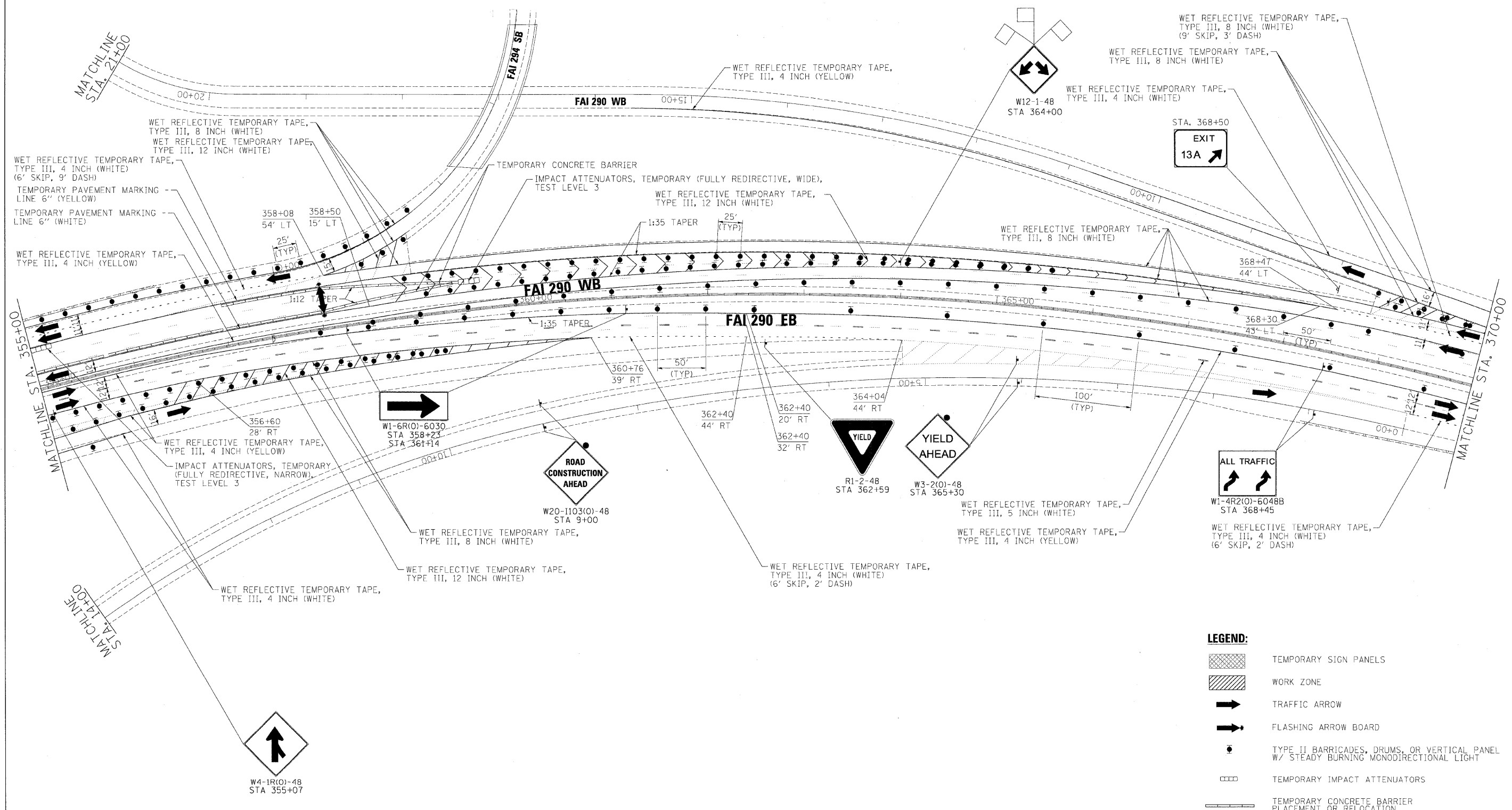
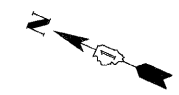
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 45 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	90
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60157		



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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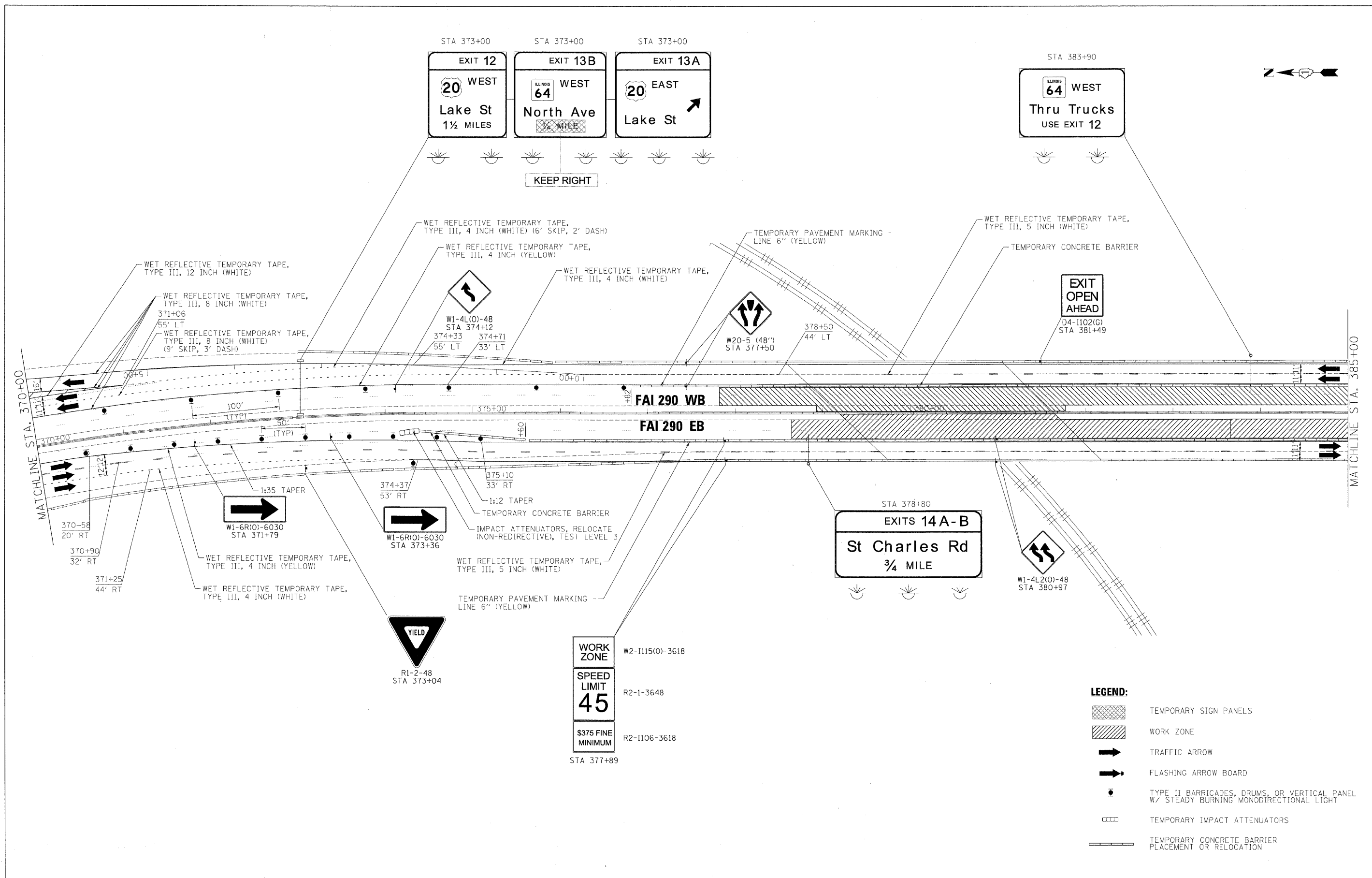
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 46 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	91
CONTRACT NO. 60157				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND:

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

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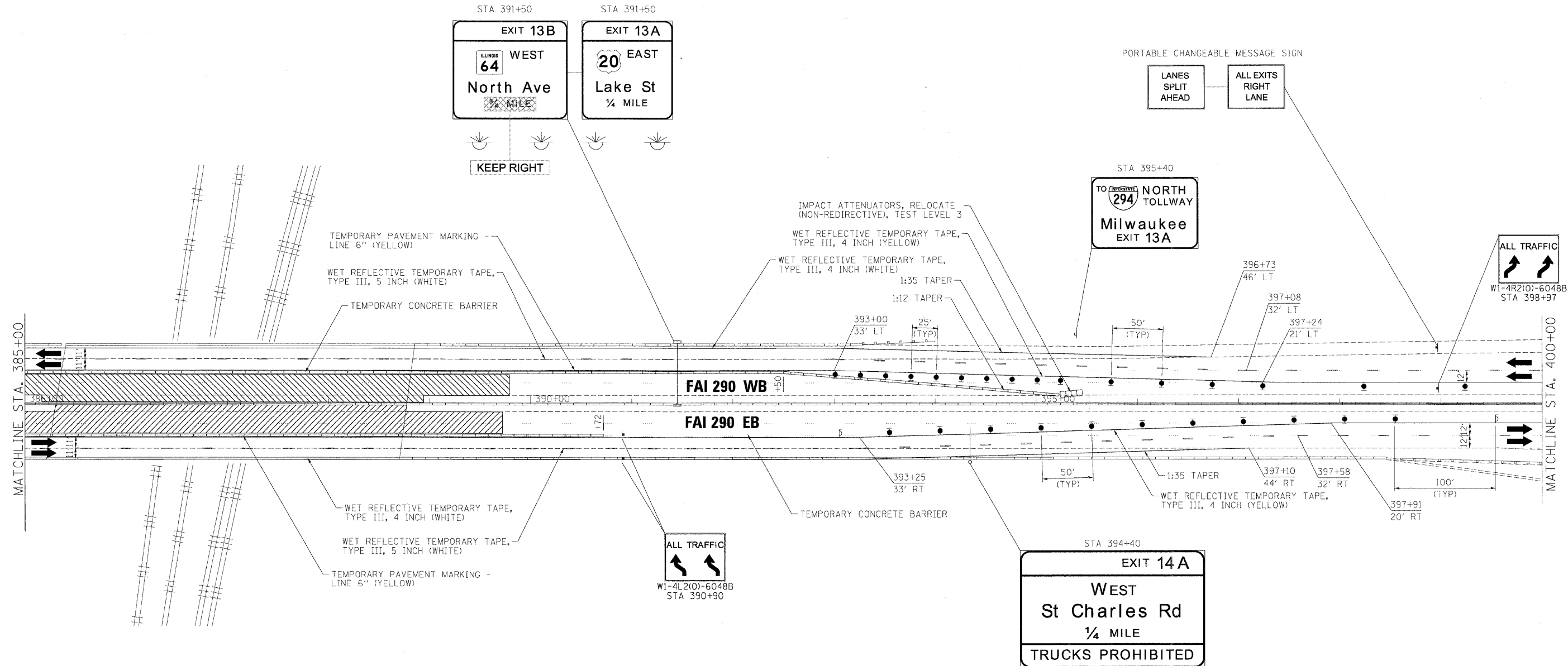
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 47 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	92
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



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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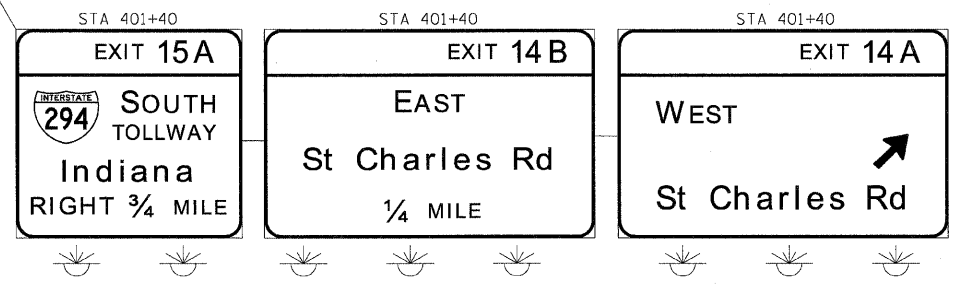
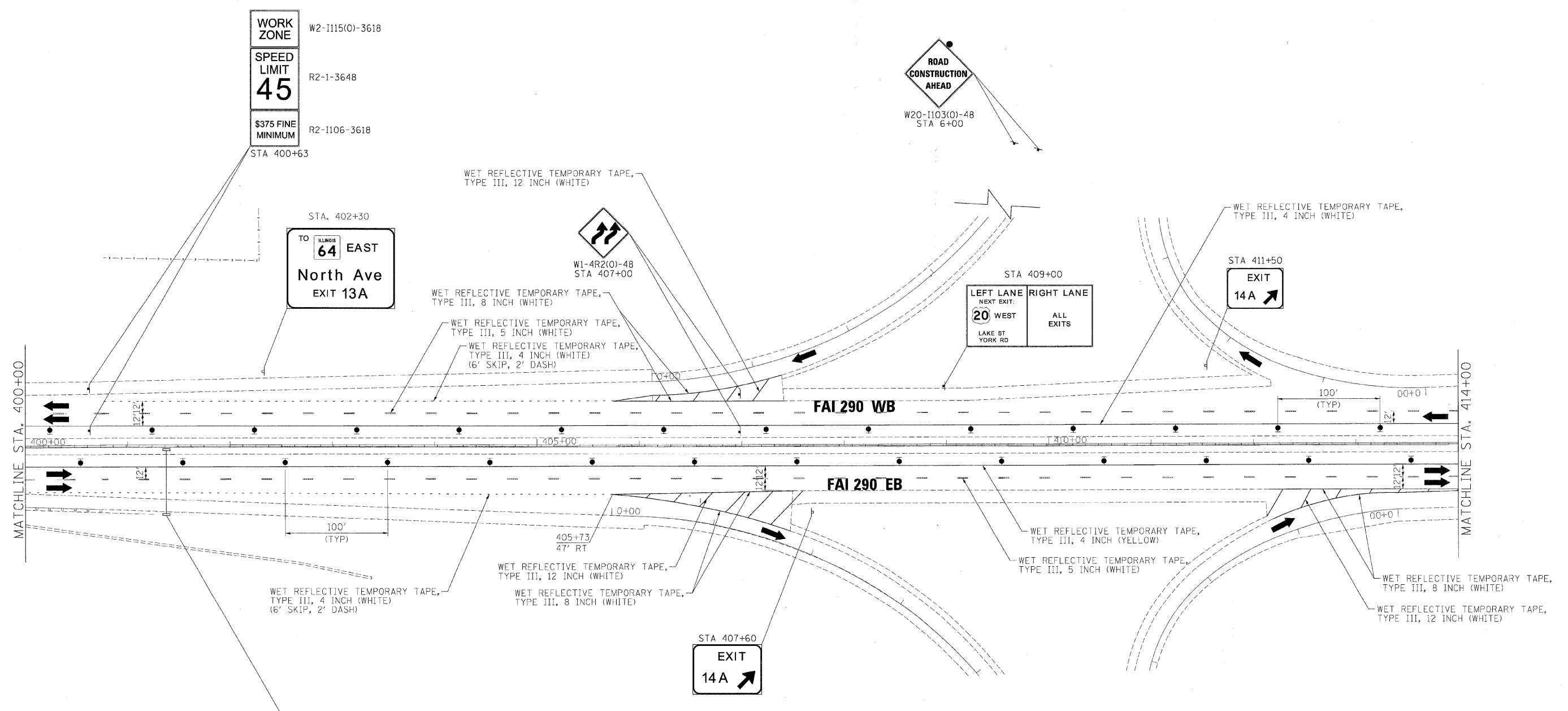
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 48 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	93
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



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

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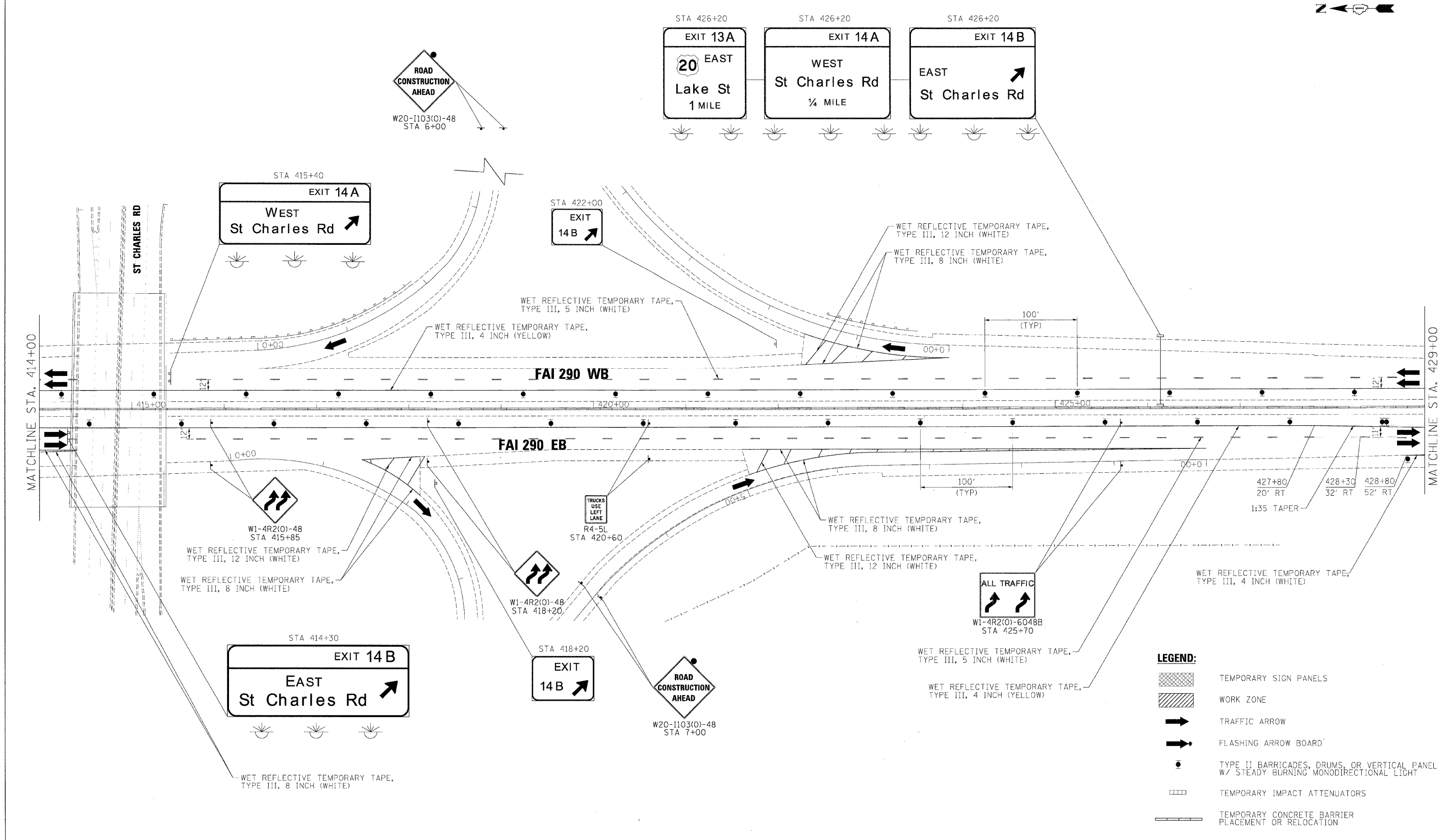
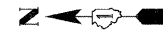
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 49 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	94
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



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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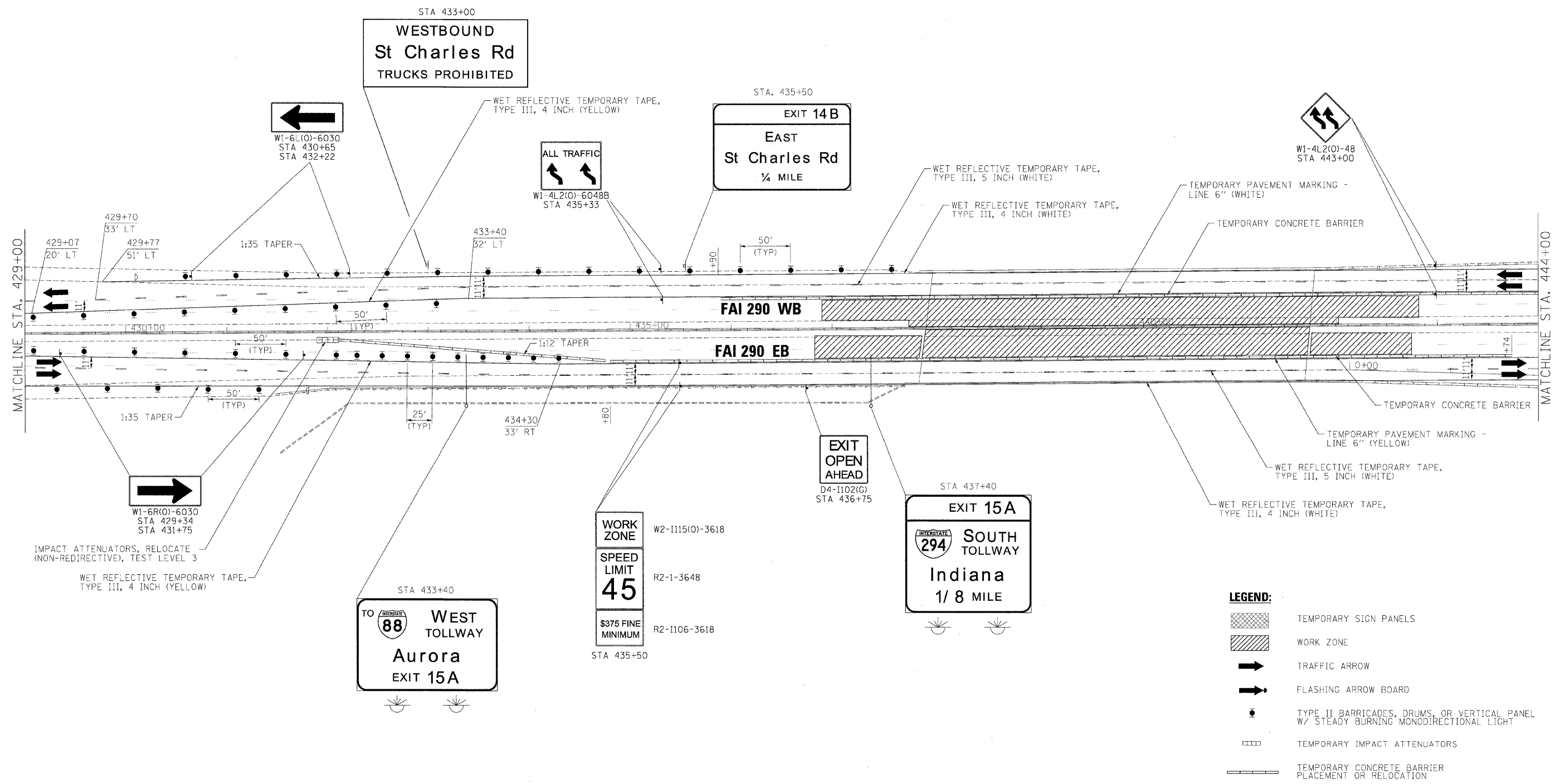
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 50 OF 69 SHEETS STA. TO STA.

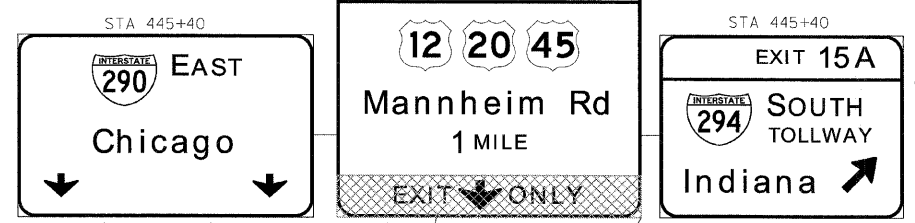
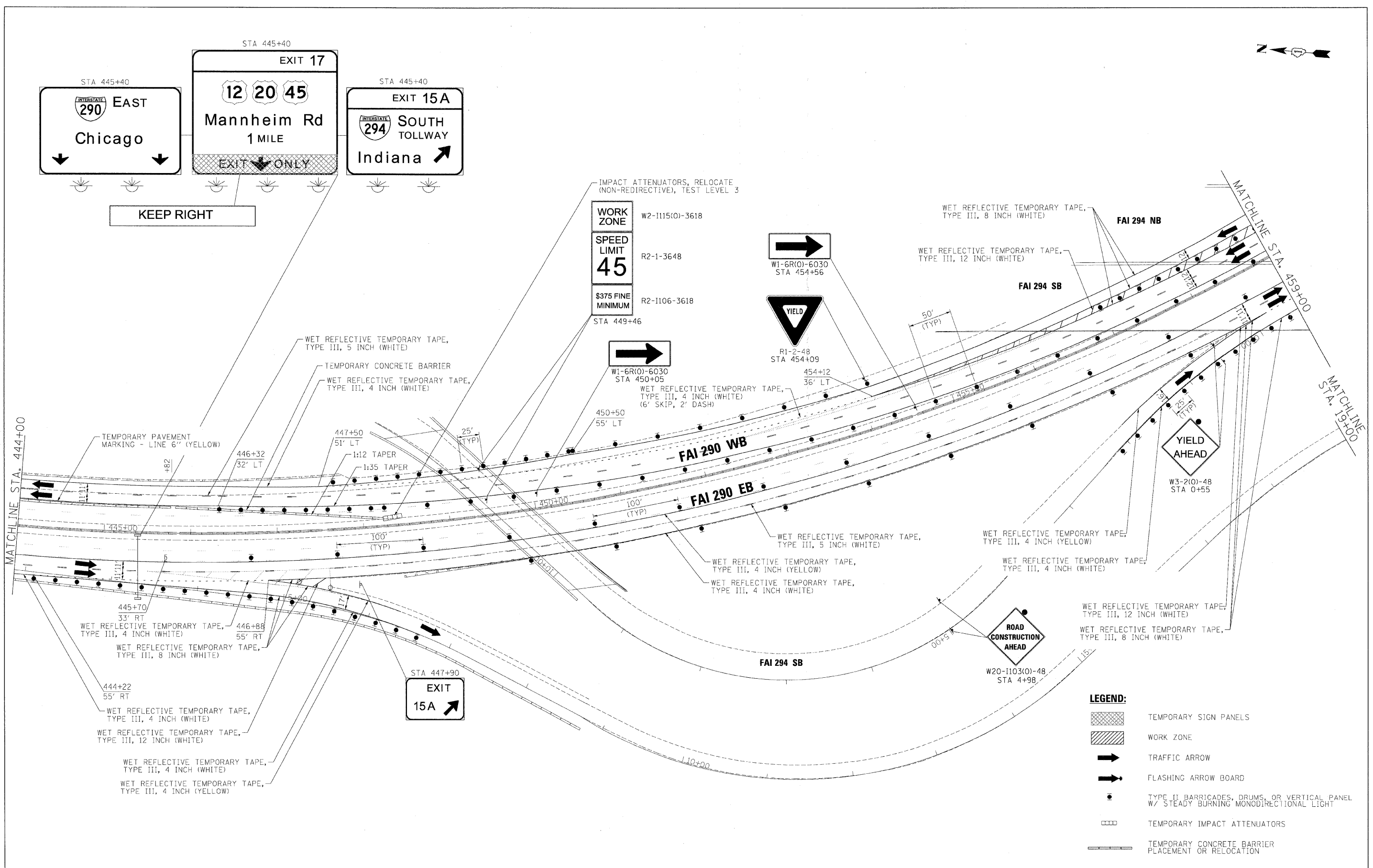
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	95
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60157	



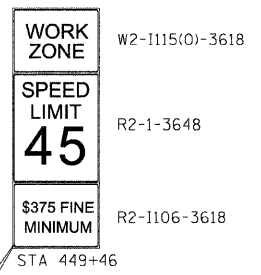
LEGEND:

	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 -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN - STAGE 2			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -										
					SCALE: 1"=50'	SHEET NO. 51 OF 69 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



KEEP RIGHT



LEGEND:

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

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

benesch








**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

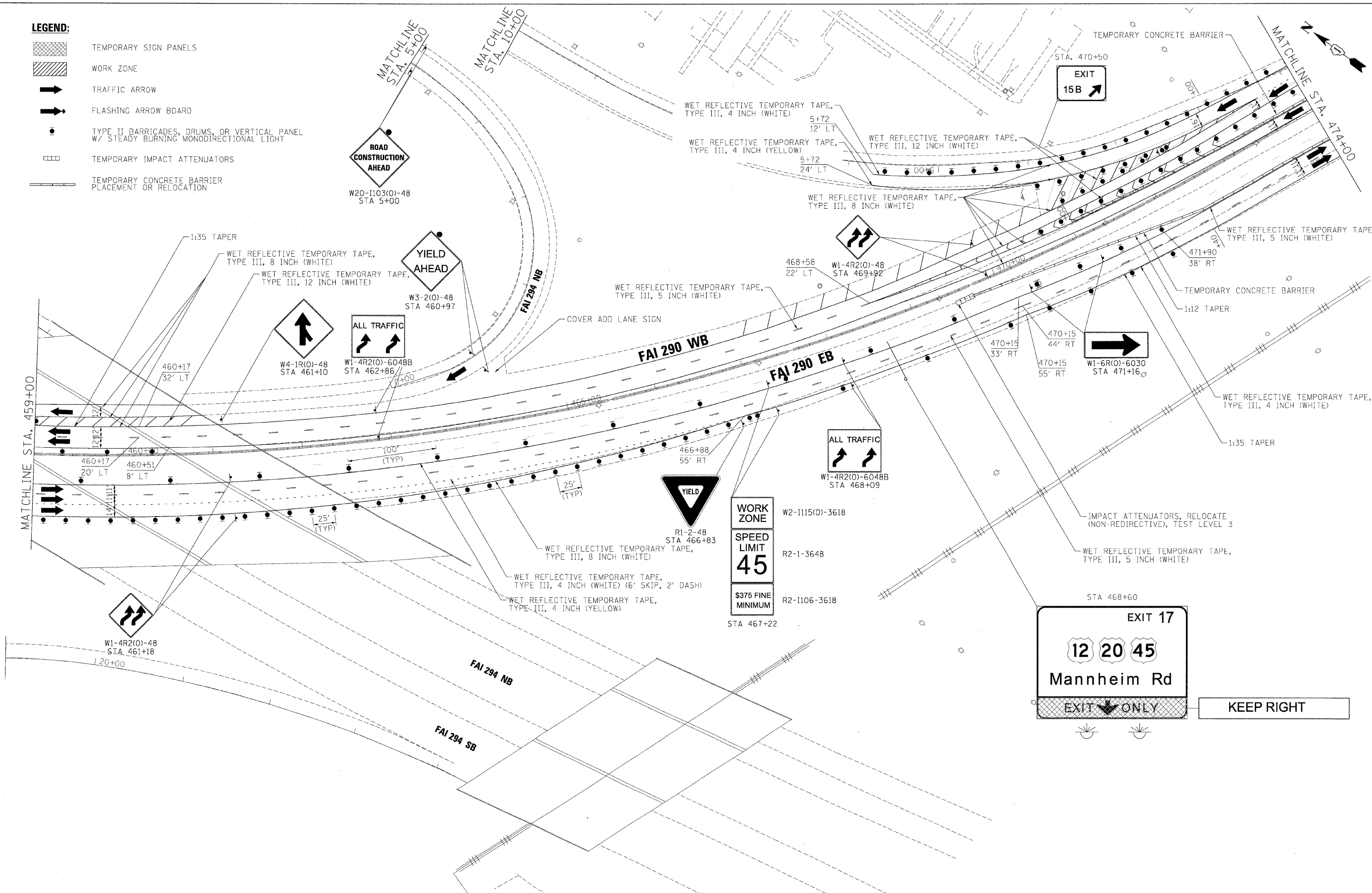
**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 52 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	97
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	

LEGEND:

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



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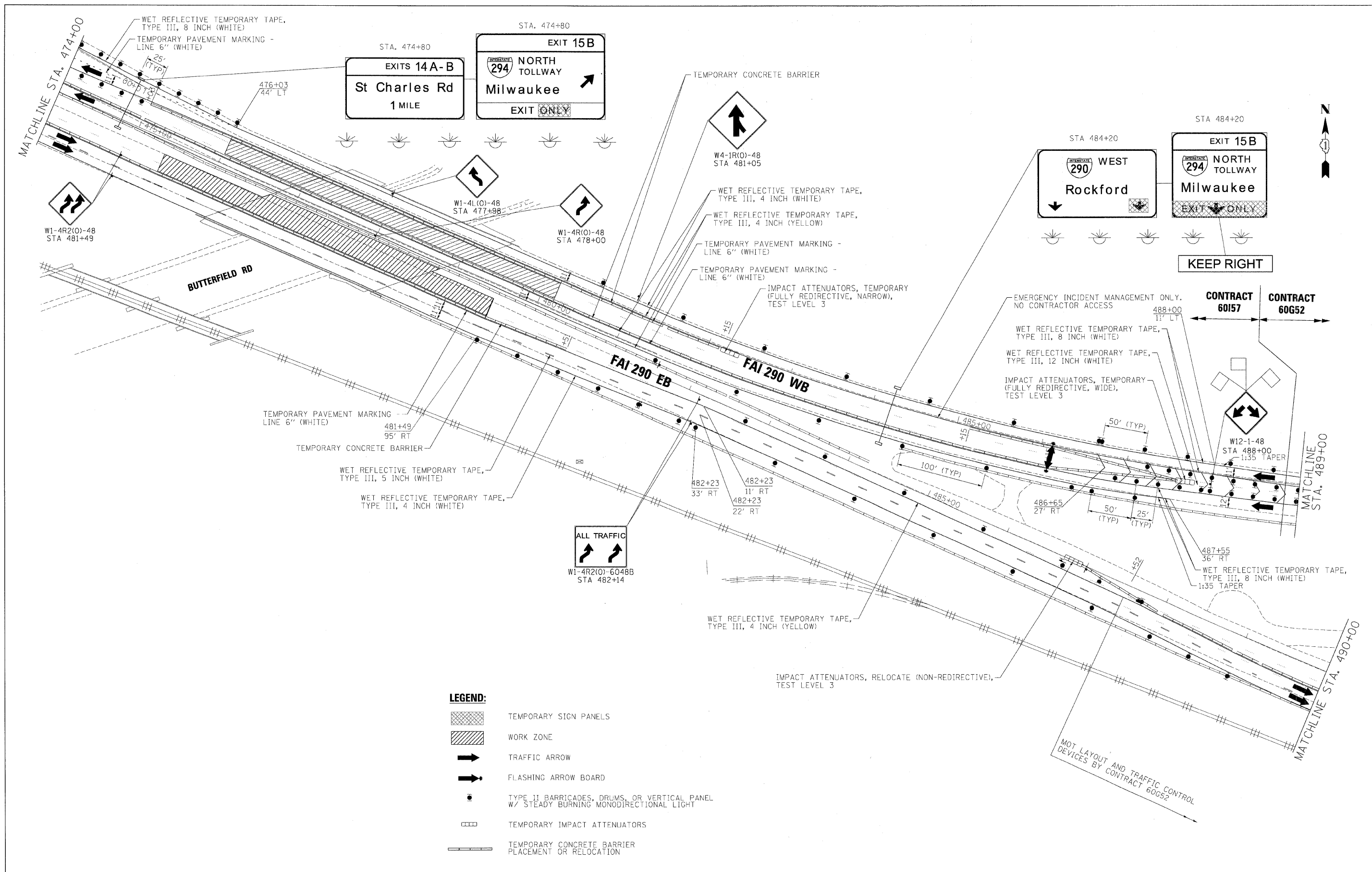
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 53 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0999R	COOK/DUPAGE	309	98
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	



- 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 = 11/3/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

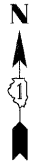
SCALE: 1"=50' SHEET NO. 54 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0999R	COOK/DUPAGE	309	99
CONTRACT NO. 60157				

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

LEGEND:

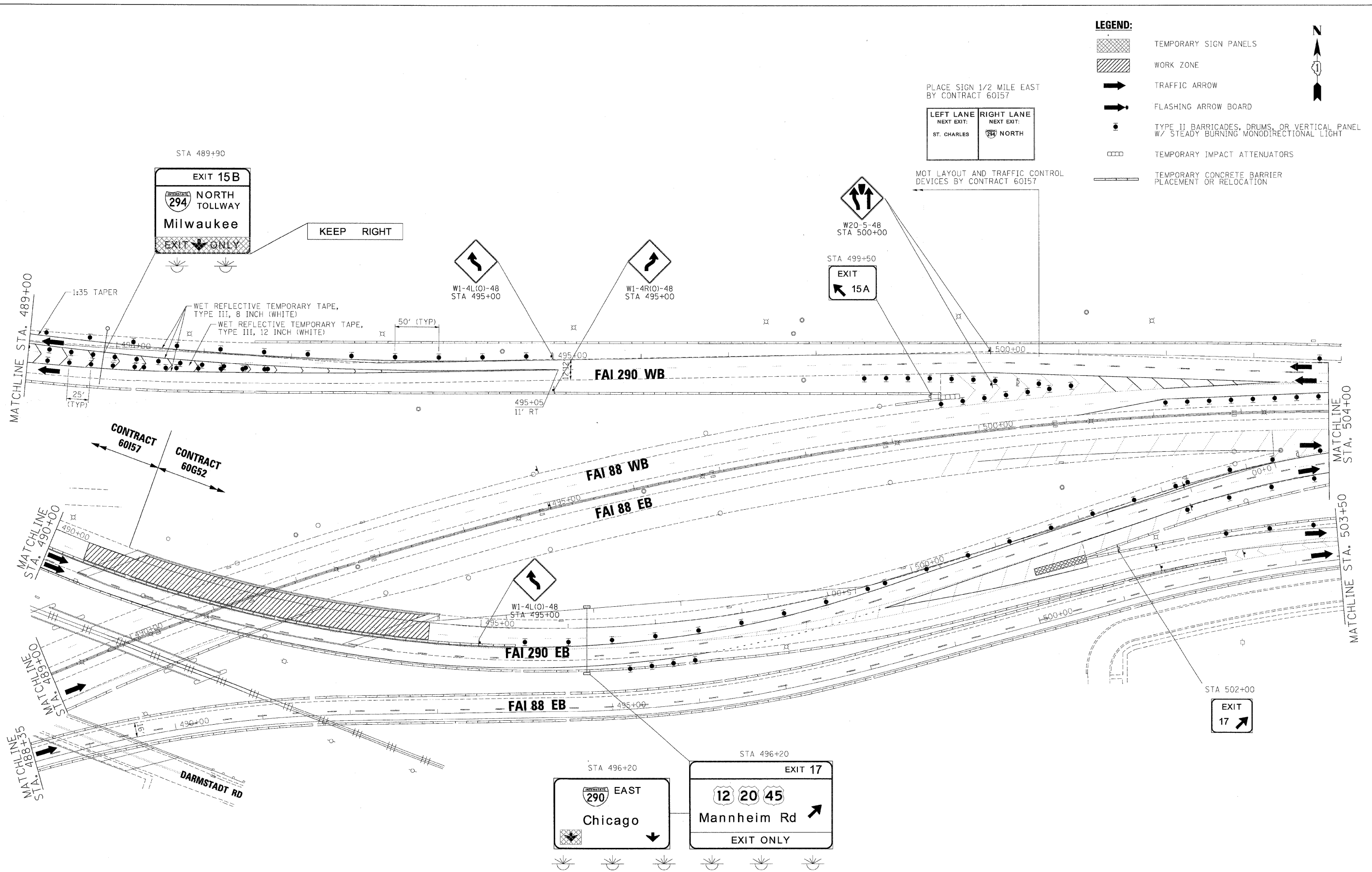
-  TEMPORARY SIGN PANELS
-  WORK ZONE
-  TRAFFIC ARROW
-  FLASHING ARROW BOARD
-  TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
-  TEMPORARY IMPACT ATTENUATORS
-  TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION



PLACE SIGN 1/2 MILE EAST BY CONTRACT 60157

LEFT LANE NEXT EXIT: ST. CHARLES	RIGHT LANE NEXT EXIT: 290 NORTH
----------------------------------------	---------------------------------------

MOT LAYOUT AND TRAFFIC CONTROL DEVICES BY CONTRACT 60157



FILE NAME =	DESIGNED - AJP	REVISED -
...YppIn.ARC.C4.298_mot_ST_2.C2.07.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JJT	REVISED -
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 55 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	100
CONTRACT NO. 60157				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				