

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)

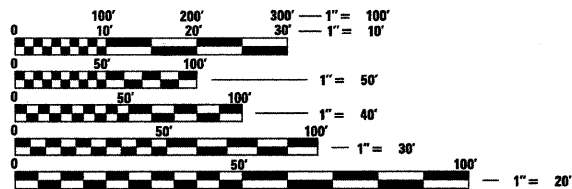
I-290 OVER IL 64 (NORTH AVE)  
SN 022-0007 (EB)  
SN 022-0008 (WB)

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

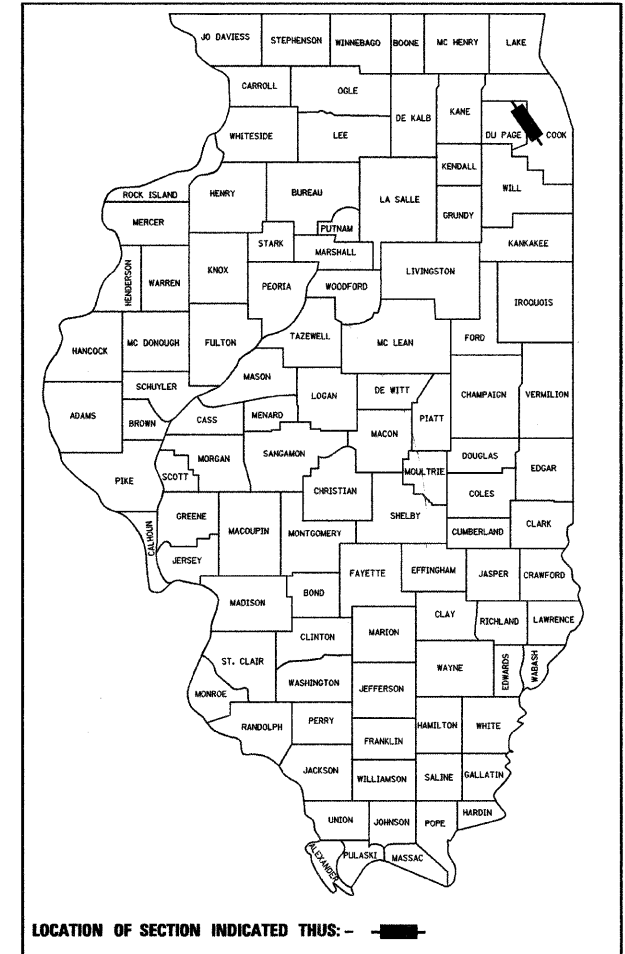
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**  
FAI-290 (EISENHOWER EXPRESSWAY)  
SECTION 2009-099BR  
PROJECT: ACIM-290-3(063)083  
EAST OF CHURCH RD. TO I-88  
ROADWAY AND STRUCTURE REPAIRS  
COOK AND DUPAGE COUNTIES  
C-91-080-10

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

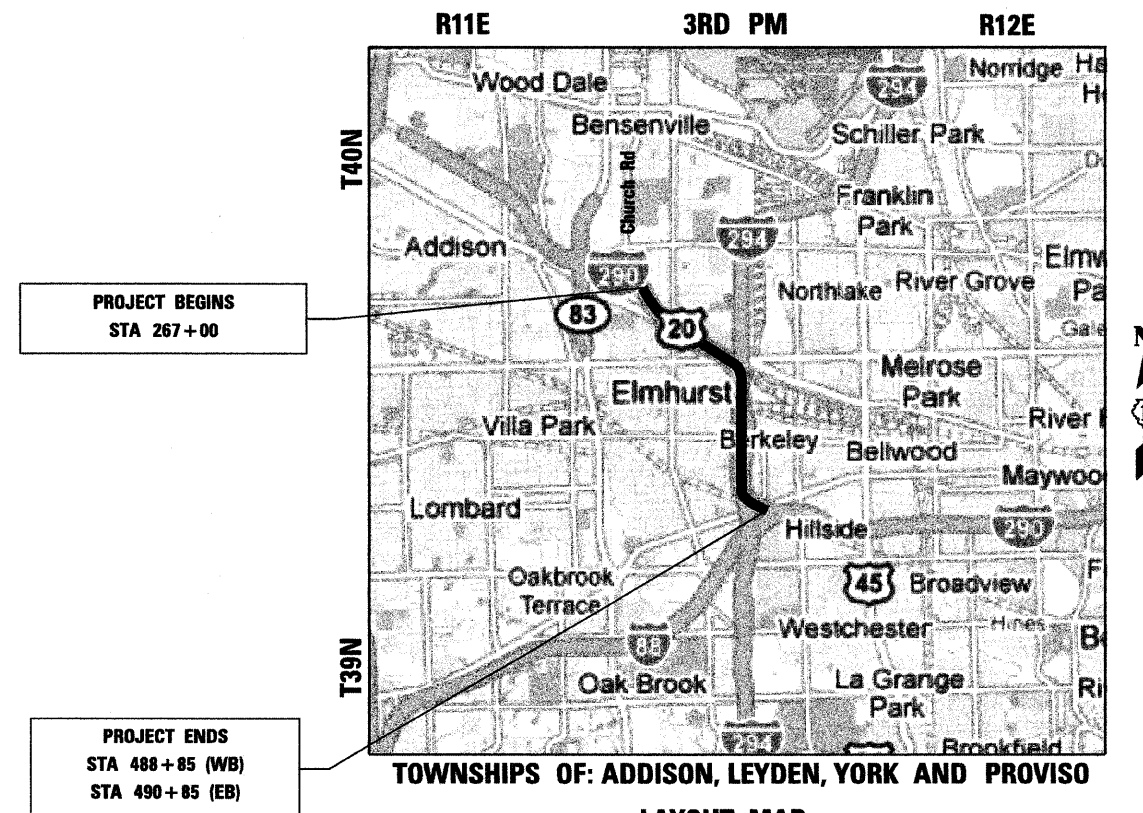
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	394	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	60157	

\*394 + 7-4d

D-91-341-09



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -



TOWNSHIPS OF: ADDISON, LEYDEN, YORK AND PROVISO

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  
Diane M. O'Keefe  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
December 4, 2009  
Charles G. 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

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

REV.

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS, GENERAL NOTES & HMA REQUIREMENTS
3-5	SUMMARY OF QUANTITIES
6-11	TYPICAL SECTIONS
12-14	SCHEDULES OF QUANTITIES
15-40	ALIGNMENTS
41-45	ROADWAY PLANS
46-114	MAINTENANCE OF TRAFFIC
115-130	PAVEMENT MARKING PLANS
131-269	STRUCTURAL PLANS
270-279	TRAFFIC SUEVILLANCE LOOP PLANS
280-293	TRAFFIC SYSTEM CENTER DETAILS
294-309	DISTRICT 1 DETAILS
310-313	SIGNING SCHEDULES OF QUANTITIES
314-328	SIGNING PLANS
329-386	SIGNING DETAILS
387-394	DISTRICT 1 SIGNING DETAILS

**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
701011-02	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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STANDARDS, GENERAL NOTES &amp; HMA REQUIREMENTS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	DRAWN - TMB	REVISED -				290	2009-0998R	COOK/DUPAGE	309	2
USER NAME = #USER#	CHECKED - JMM	REVISED -				CONTRACT NO. 60I57				
PLOT DATE = #DATE#	DATE - 10/16/09	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE:						SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		



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	DUPAGE	COOK	
						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						
	60109580	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	18,920	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	76,441	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 =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...prpIn_ABC_C4_sog_02.dgn	DRAWN - TMB	REVISED -						290	2009-0998R	COOK/DUPAGE	309	4
USER NAME = tblank	CHECKED - JMM	REVISED -			SCALE: N.T.S.	SHEET NO. 2 OF 3 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				

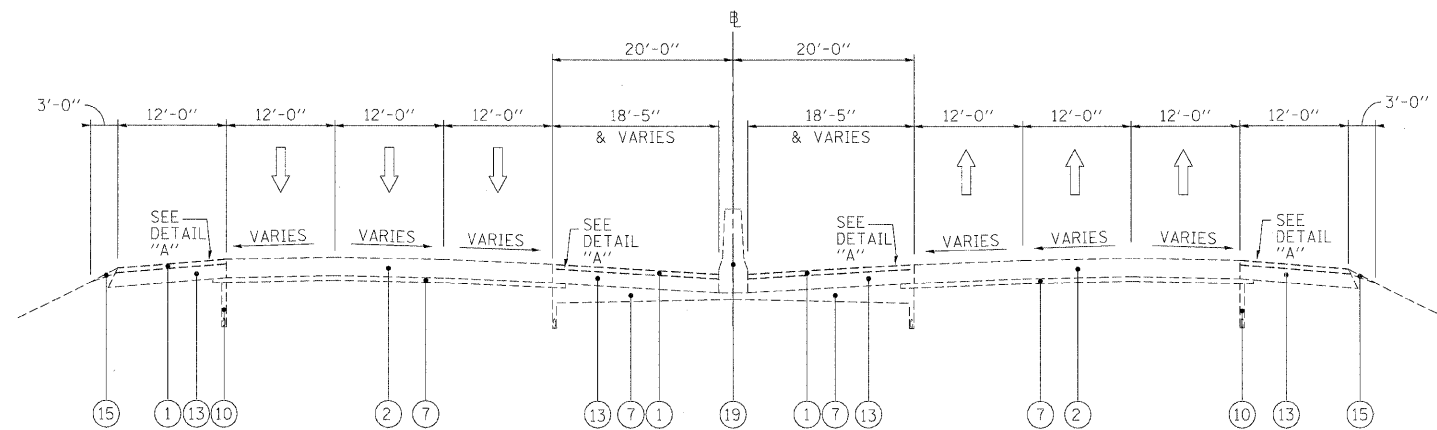


SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY		SURVEILLANCE		BRIDGE	BRIDGE	BRIDGE	BRIDGE
					90% FED 10% STATE		90% FED 10% STATE		SN 016-1130 SN 016-1131 SN 016-1132 SN 016-1133	SN 022-0005 SN 022-0006	SN 022-0007 SN 022-0008	SN 016-0083 SN 016-0084 SN 016-1134 SN 016-1135
					COOK	DUPAGE	COOK	DUPAGE	COOK	DUPAGE	DUPAGE	COOK
CONSTRUCTION TYPE CODE												
					1000-2A	1000-2A	Y032-1F	Y032-1F	X171-2A	X231-2A	X271-2A	X271-2A
	Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	219.4						209.4	10.0	
	Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	363.8						344.8	19.0	
Δ	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	20	12	8						
	Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	10	6	4						
	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	12	3	9						
	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						
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.6	0.4						
	Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	16				1	6		9	
**	X2010300	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	UNIT	600	600							
	Z0075310	TIE BARS 3/4"	EACH	546	328	218						
○	Z0076600	TRAINEES	HOUR	1,000	500	500						
	X0326818	CONCRETE BARRIER REMOVAL AND REPLACEMENT, SINGLE FACE	FOOT	37	17	20						
**	Z0064800	SELECTIVE CLEARING	UNIT	500	500							
*	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	600				33	41	366	60	
**	X0036120	MULCH PLACEMENT 4"	S&YD	2,000	2,000							
	X0326794	CLEAN AND 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

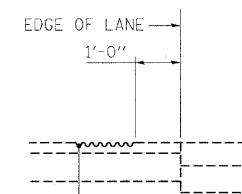
\*\* FOR LOCATIONS AND EXTENT OF WORK NOT SHOWN IN THE PLANS THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND CONTACT RICK WANNER, ROADSIDE DEVELOPMENT ARCHITECT, IDOT ROADSIDE DEVELOPMENT UNIT AT (847)705-4172 AT LEAST 72 HOURS PRIOR TO STARTING WORK.

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	Rev.
...prpIn.ABC.C4.ssq_03a.dgn	DRAWN - TMB	REVISED -				290	2009-099BR	COOK/DUPAGE	309	5a	
USER NAME = tblank	CHECKED - JMM	REVISED -				CONTRACT NO. 60157					
PLOT DATE = 11/16/2009	DATE - 10/16/09	REVISED -	SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				



**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 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 =	DESIGNED - AJP	REVISED -
...prpLn_ABC_04_355.m1_tsp_26.dgn	DRAWN - TMB	REVISED -
USER NAME = jnojewski	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

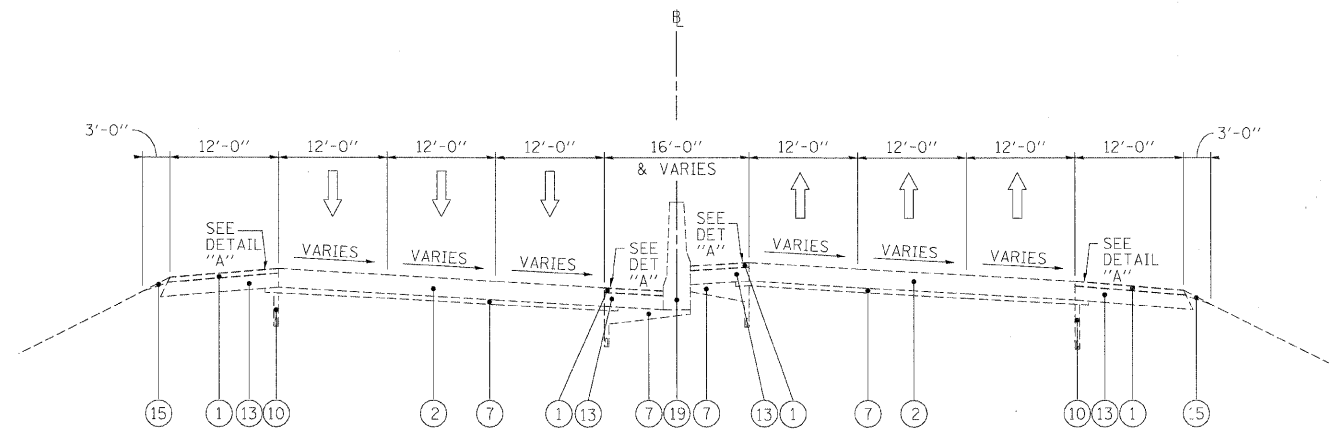
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
I-290 MAINLINE**

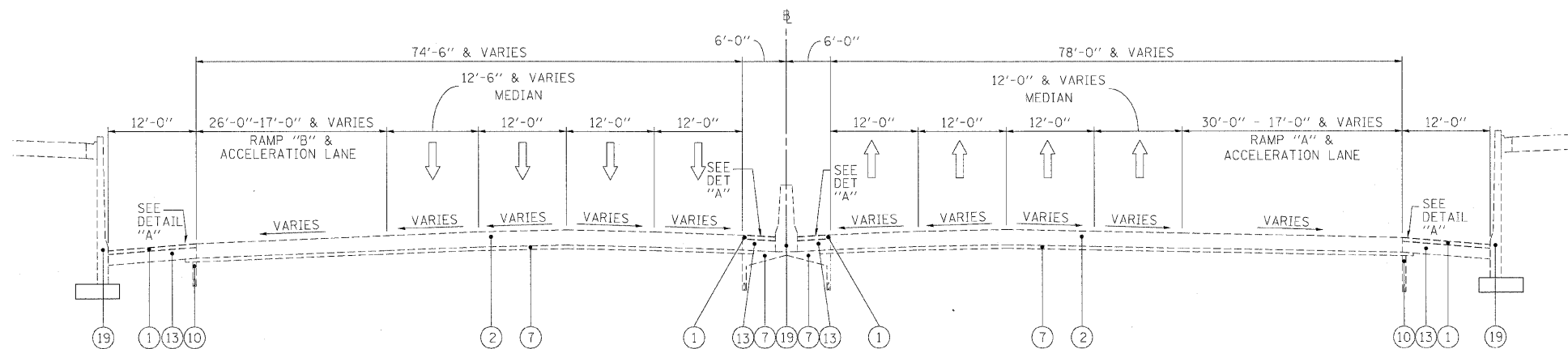
SCALE: N.T.S. SHEET NO. 1 OF 6 SHEETS STA. TO STA.

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

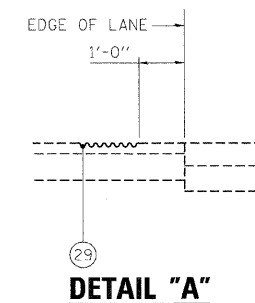


**EXISTING TYPICAL SECTION**

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"
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A
- ⑨ EXISTING PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- ⑩ EXISTING PIPE UNDERDRAIN
- ⑪ EXISTING P.C.C. SHOULDER
- ⑫ EXISTING STABILIZED MEDIAN SURFACE
- ⑬ EXISTING BITUMINOUS SHOULDER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑯ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-2.12
- ⑰ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.24
- ⑱ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑲ EXISTING P.C.C. BARRIER WALL
- ⑳ EXISTING STEEL PLATE BEAM GUARDRAIL
- ㉑ HOT-MIX ASPHALT SURFACE REMOVAL 4"
- ㉒ HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4"
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL 3 1/4"
- ㉔ 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)

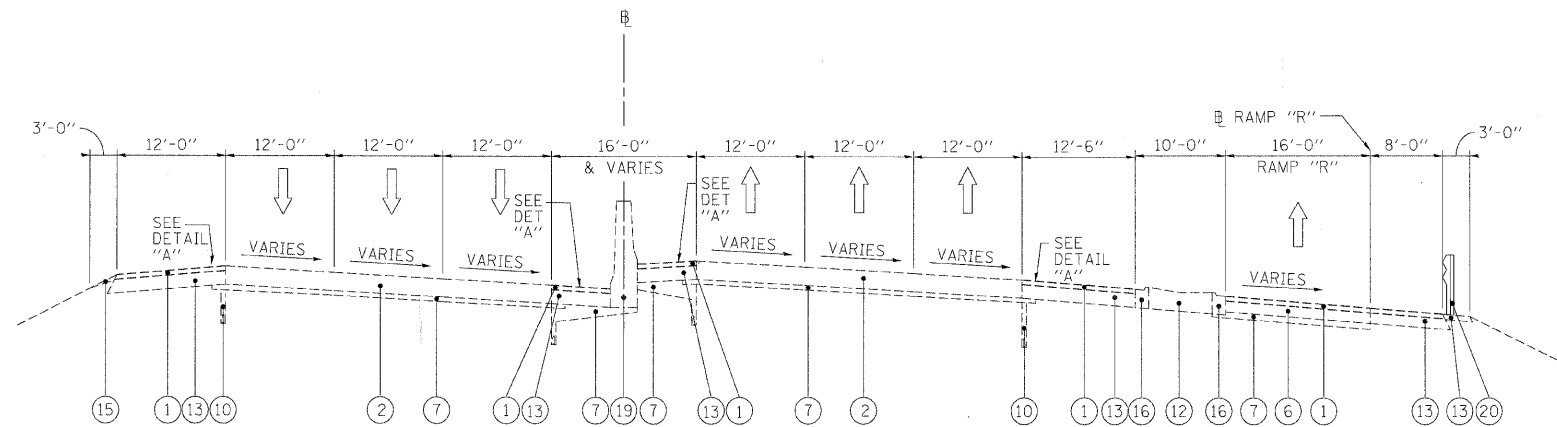


**NOTES:**

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.

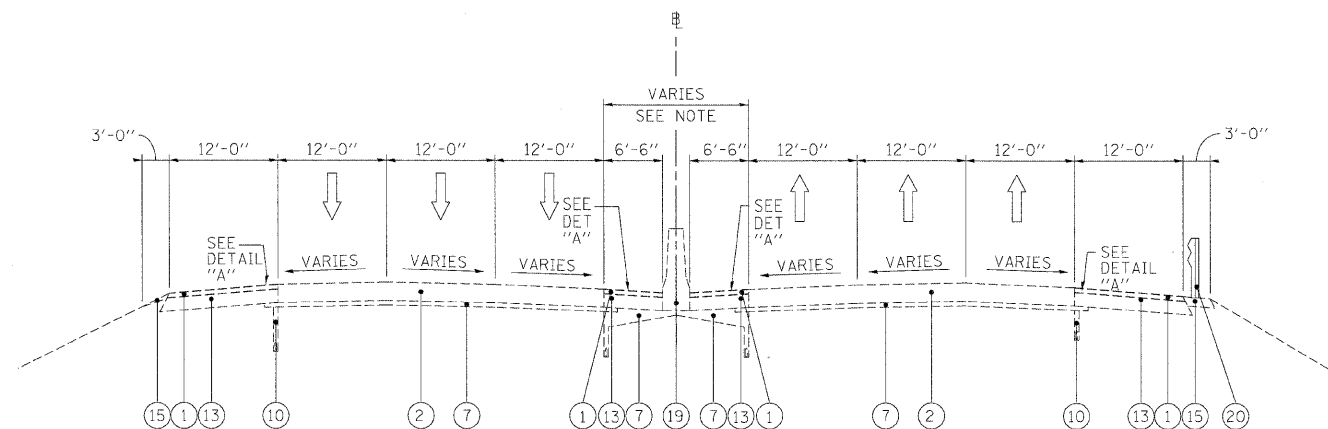
FILE NAME = ...ppr\prn_ABC_C4_385_mil_tyo_22.dgn	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS I-290 MAINLINE</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = jmojewski	DRAWN - TMB	REVISED -			290	2009-0998R	COOK/DUPAGE	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

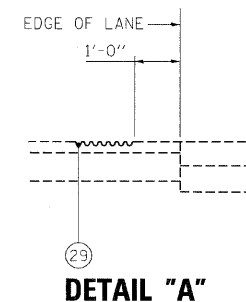


**EXISTING TYPICAL SECTION**

STA 372+00 TO STA 452+00

**LEGEND**

- ① EXISTING HMA OVERLAY, VARIES
- ② EXISTING C.R.C. PAVEMENT, 12"
- ③ EXISTING P.C.C. PAVEMENT, 10"
- ④ EXISTING C.R.C. PAVEMENT, 9"
- ⑤ EXISTING C.R.C. PAVEMENT
- ⑥ EXISTING P.C.C. BASE COURSE
- ⑦ EXISTING STABILIZED SUB-BASE, 4"
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A
- ⑨ EXISTING PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- ⑩ EXISTING PIPE UNDERDRAIN
- ⑪ EXISTING P.C.C. SHOULDER
- ⑫ EXISTING STABILIZED MEDIAN SURFACE
- ⑬ EXISTING BITUMINOUS SHOULDER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑯ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-2.12
- ⑰ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.24
- ⑱ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑲ EXISTING P.C.C. BARRIER WALL
- ⑳ EXISTING STEEL PLATE BEAM GUARDRAIL
- ㉑ HOT-MIX ASPHALT SURFACE REMOVAL 4"
- ㉒ HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4"
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL 3 1/4"
- ㉔ 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 -
...Xpp1n-ABC.C4.395_n1.typ.23.dgn	DRAWN - TMB	REVISED -
USER NAME = jmrjewski	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

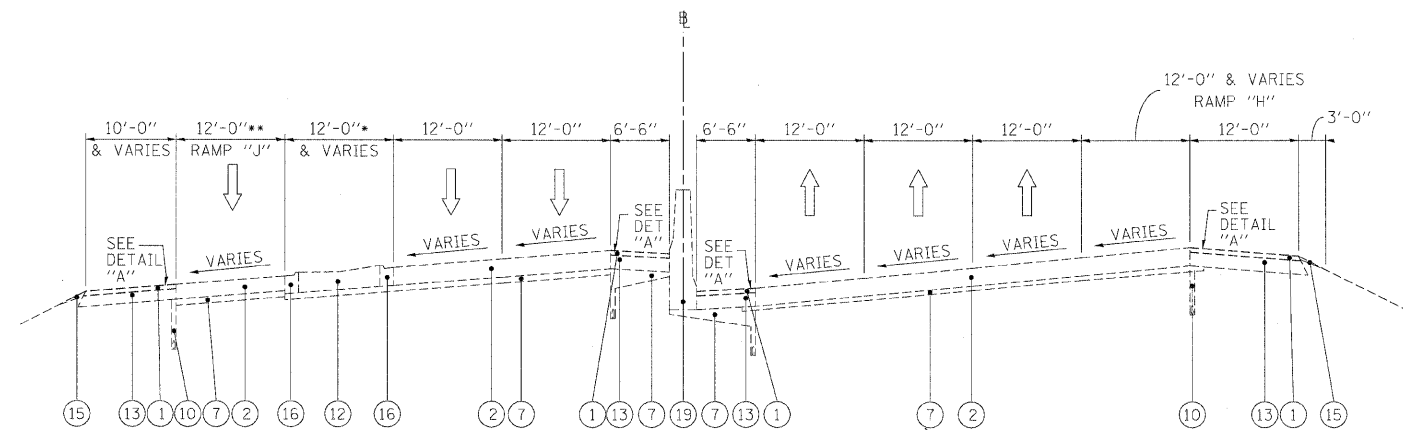
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
I-290 MAINLINE**

SCALE: N.T.S. SHEET NO. 3 OF 6 SHEETS STA. TO STA.

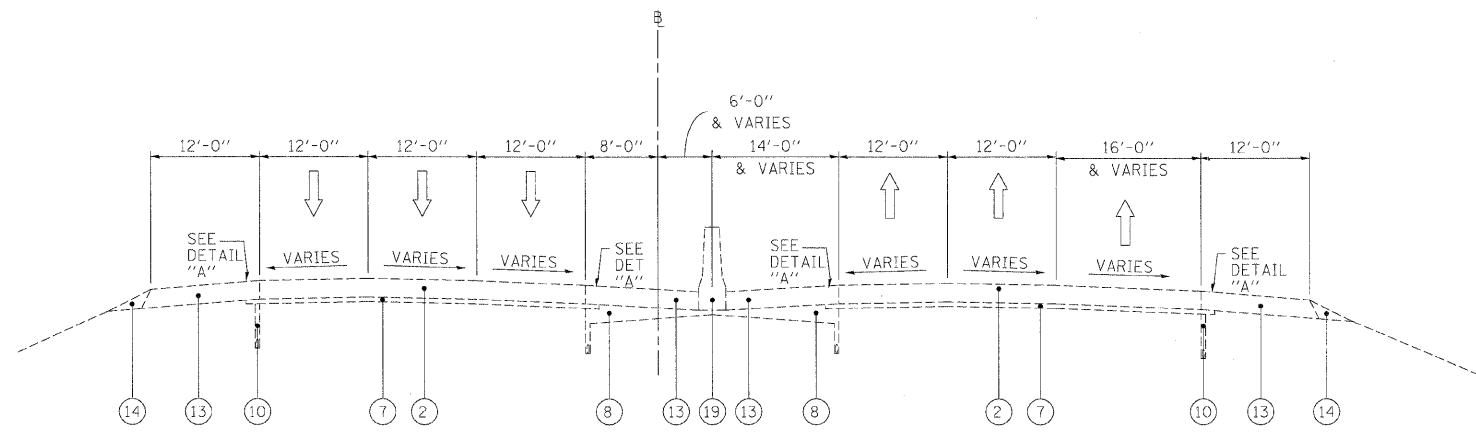
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	8
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60157	



\* 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**

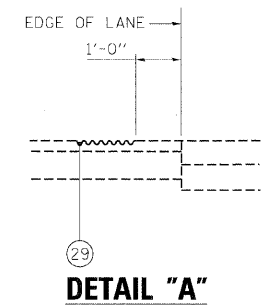
STA 475+00 TO STA 480+50

**LEGEND**

- ① EXISTING HMA OVERLAY, VARIES\*
- ② EXISTING C.R.C. PAVEMENT, 12"
- ③ EXISTING P.C.C. PAVEMENT, 10"
- ④ EXISTING C.R.C. PAVEMENT, 9"
- ⑤ EXISTING C.R.C. PAVEMENT
- ⑥ EXISTING P.C.C. BASE COURSE
- ⑦ EXISTING STABILIZED SUB-BASE, 4"
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A
- ⑨ EXISTING PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- ⑩ EXISTING PIPE UNDERDRAIN
- ⑪ EXISTING P.C.C. SHOULDER
- ⑫ EXISTING STABILIZED MEDIAN SURFACE
- ⑬ EXISTING BITUMINOUS SHOULDER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑯ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-2.12
- ⑰ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.24
- ⑱ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑲ EXISTING P.C.C. BARRIER WALL
- ⑳ EXISTING STEEL PLATE BEAM GUARDRAIL
- ㉑ HOT-MIX ASPHALT SURFACE REMOVAL 4"
- ㉒ HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4"
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL 3 1/4"
- ㉔ 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 -
...prip1n_abc_c4_355_m1_top_28.dgn	DRAWN - TMB	REVISED -
USER NAME = jmajewski	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

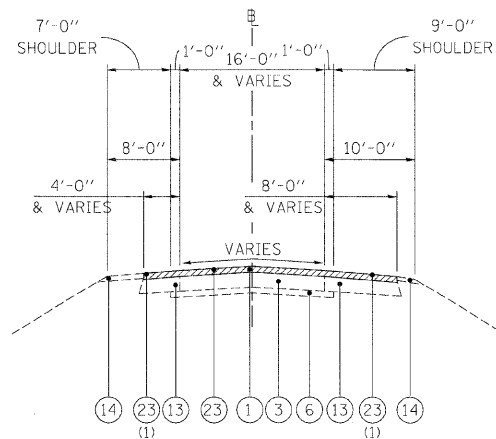
**benesch**

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
 I-290 MAINLINE**

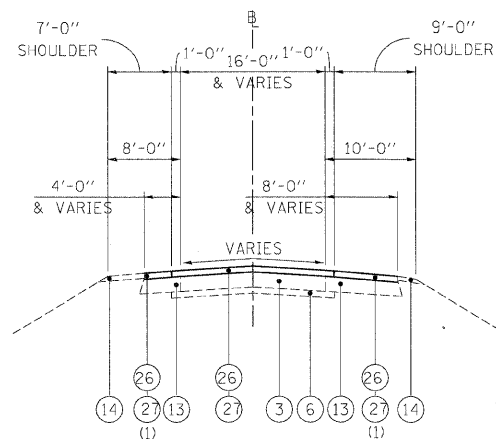
SCALE: N.T.S. SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60157	



**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

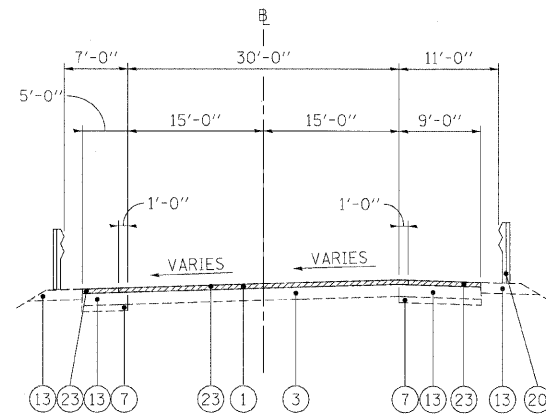
**LEGEND**

- ① EXISTING HMA OVERLAY, VARIES\*
- ② EXISTING C.R.C. PAVEMENT, 12"
- ③ EXISTING P.C.C. PAVEMENT, 10"
- ④ EXISTING C.R.C. PAVEMENT, 9"
- ⑤ EXISTING C.R.C. PAVEMENT
- ⑥ EXISTING P.C.C. BASE COURSE
- ⑦ EXISTING STABILIZED SUB-BASE, 4"
- ⑧ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A
- ⑨ EXISTING PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- ⑩ EXISTING PIPE UNDERDRAIN
- ⑪ EXISTING P.C.C. SHOULDER
- ⑫ EXISTING STABILIZED MEDIAN SURFACE
- ⑬ EXISTING BITUMINOUS SHOULDER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑯ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-2.12
- ⑰ EXISTING COMB. CONC. CURB & GUTTER, TYPE M-6.24
- ⑱ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑲ EXISTING P.C.C. BARRIER WALL
- ⑳ EXISTING STEEL PLATE BEAM GUARDRAIL
- ㉑ HOT-MIX ASPHALT SURFACE REMOVAL 4"
- ㉒ HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4"
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL 3 1/4"
- ㉔ 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:**

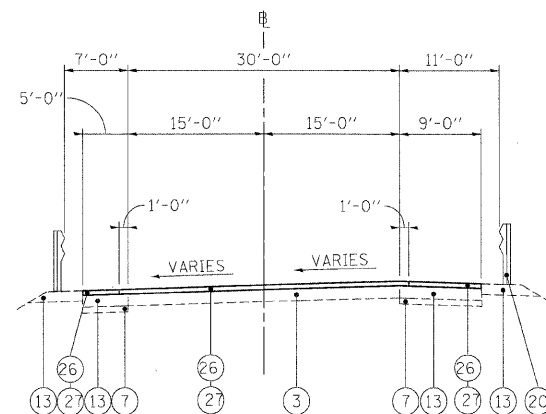
1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.
2. THE EXISTING HMA IN THE FLAG OF THE CURB AND GUTTER SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST. THESE COSTS SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS MILLING AND RESURFACING OPERATIONS MEASURED TO THE EDGE OF THE SHOULDER.
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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS I-290 RAMPS</b>		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 = jmojewski	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:**

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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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS I-290 RAMPS</b>			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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	DRAWN - TMB	REVISED -			290	2009-099BR	COOK/DUPAGE	309	12			
USER NAME = #USER#	CHECKED - JMM	REVISED -			SCALE: N.T.S. SHEET NO. 1 OF 3 SHEETS STA. TO STA.					CONTRACT NO. 60157		
PLOT DATE = #DATE#	DATE - 10/16/09	REVISED -			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 DIMENSIONS		COVER AREA
			WIDTH (FT)	HEIGHT (FT)	(SQ 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	SHOULDER SURFACE TYPE
START	END	(FOOT)	
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	

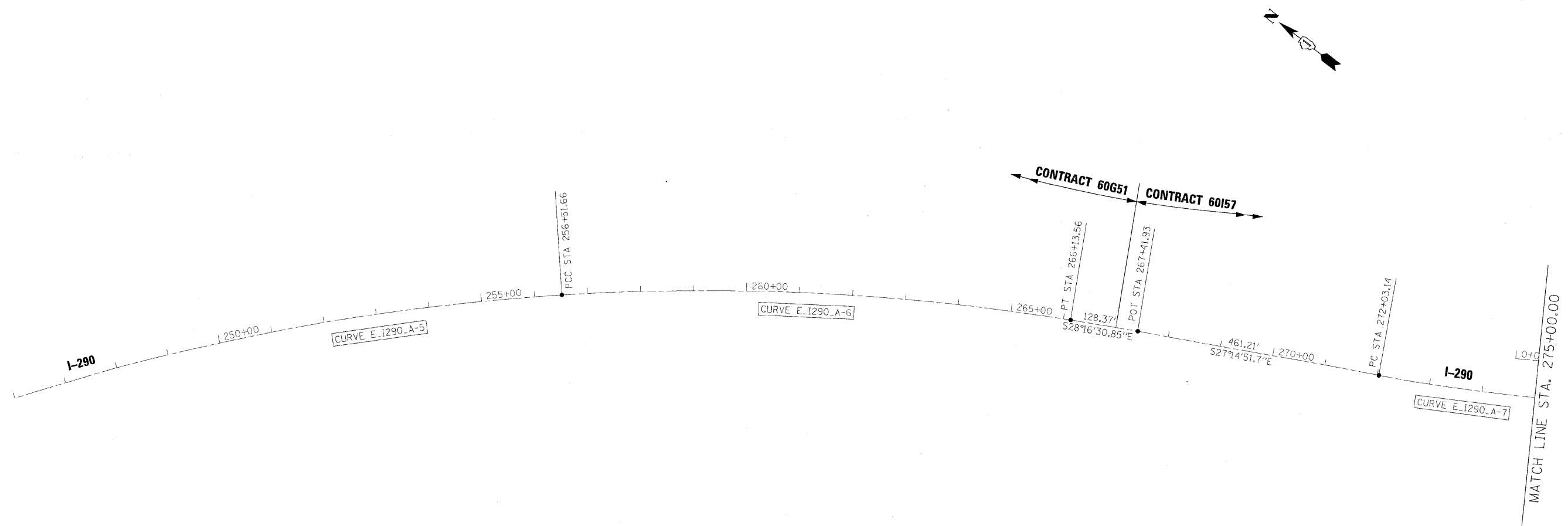
CONTRACT 60157  
TEMPORARY INFORMATION SIGNING - STAGE 2

SIGN NO.	STATION	LEGEND/DESCRIPTION	PANEL		PANEL
			COVER DIMENSIONS		COVER AREA
			WIDTH (FT)	HEIGHT (FT)	(SQ 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 DIMENSIONS		COVER AREA
			WIDTH (FT)	HEIGHT (FT)	(SQ 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	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5 INCH	TEMPORARY PAVEMENT MARKING - LINE 6"	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 8 INCH	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 12 INCH	PAVEMENT MARKING REMOVAL	EPOXY PAVEMENT MARKING - LINE 4 INCH	EPOXY PAVEMENT MARKING - LINE 5 INCH	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, WIDE), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3
	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)			(EACH)	(EACH)	(EACH)	(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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**benesch**

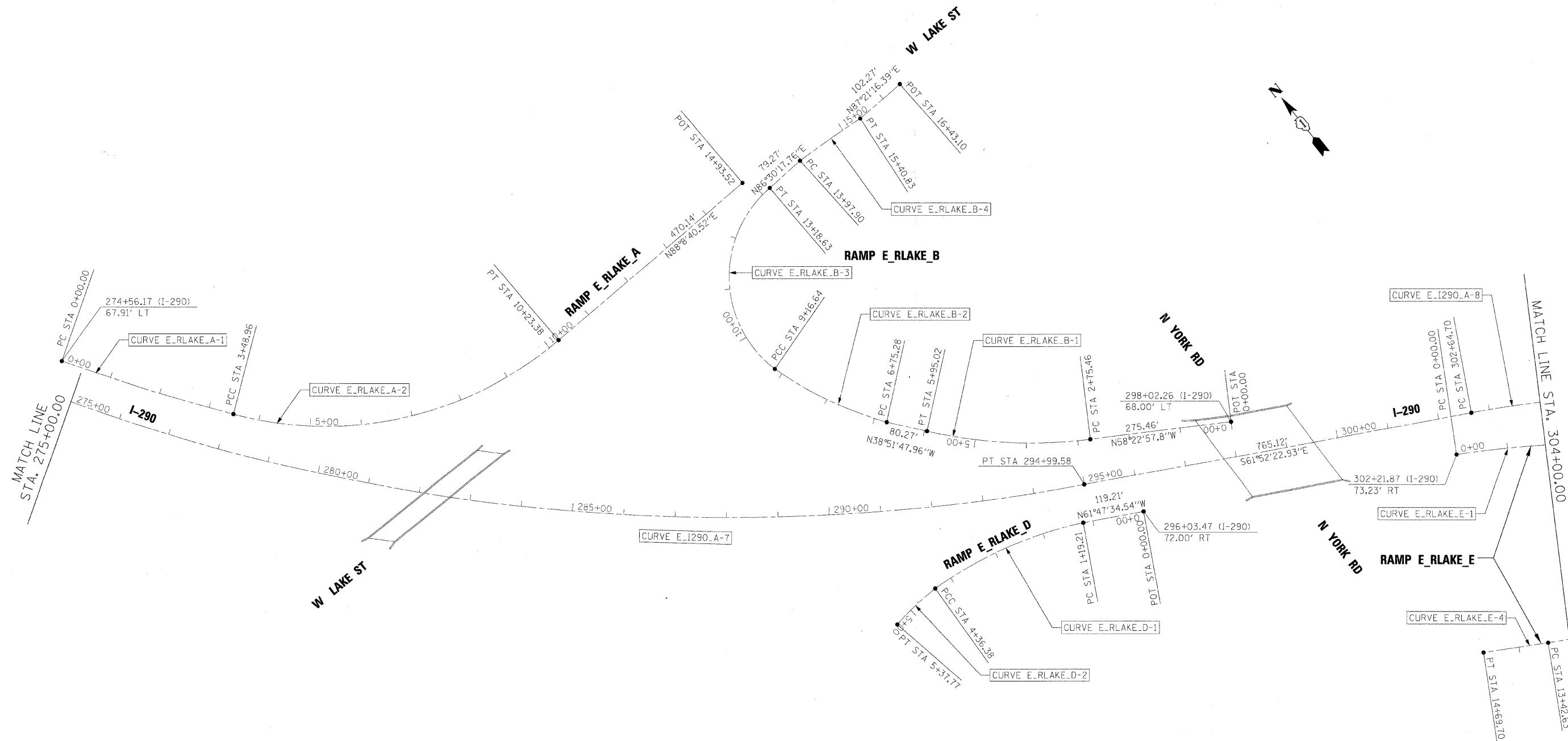
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**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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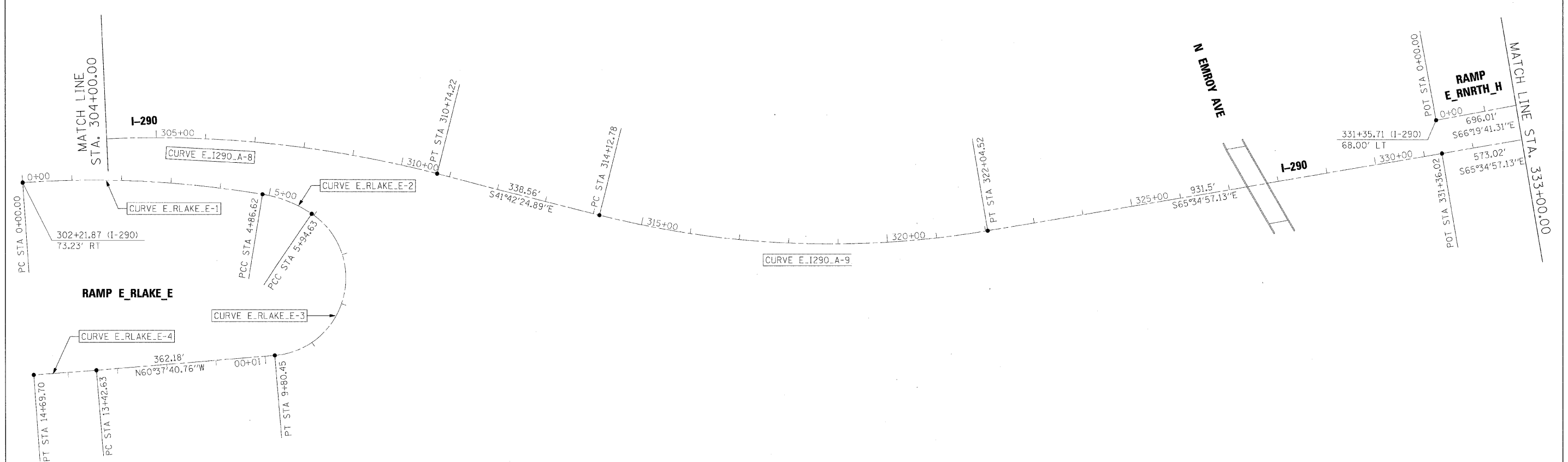
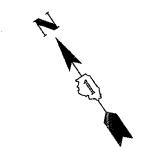
**benesch**

**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
CONTRACT NO. 60157				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



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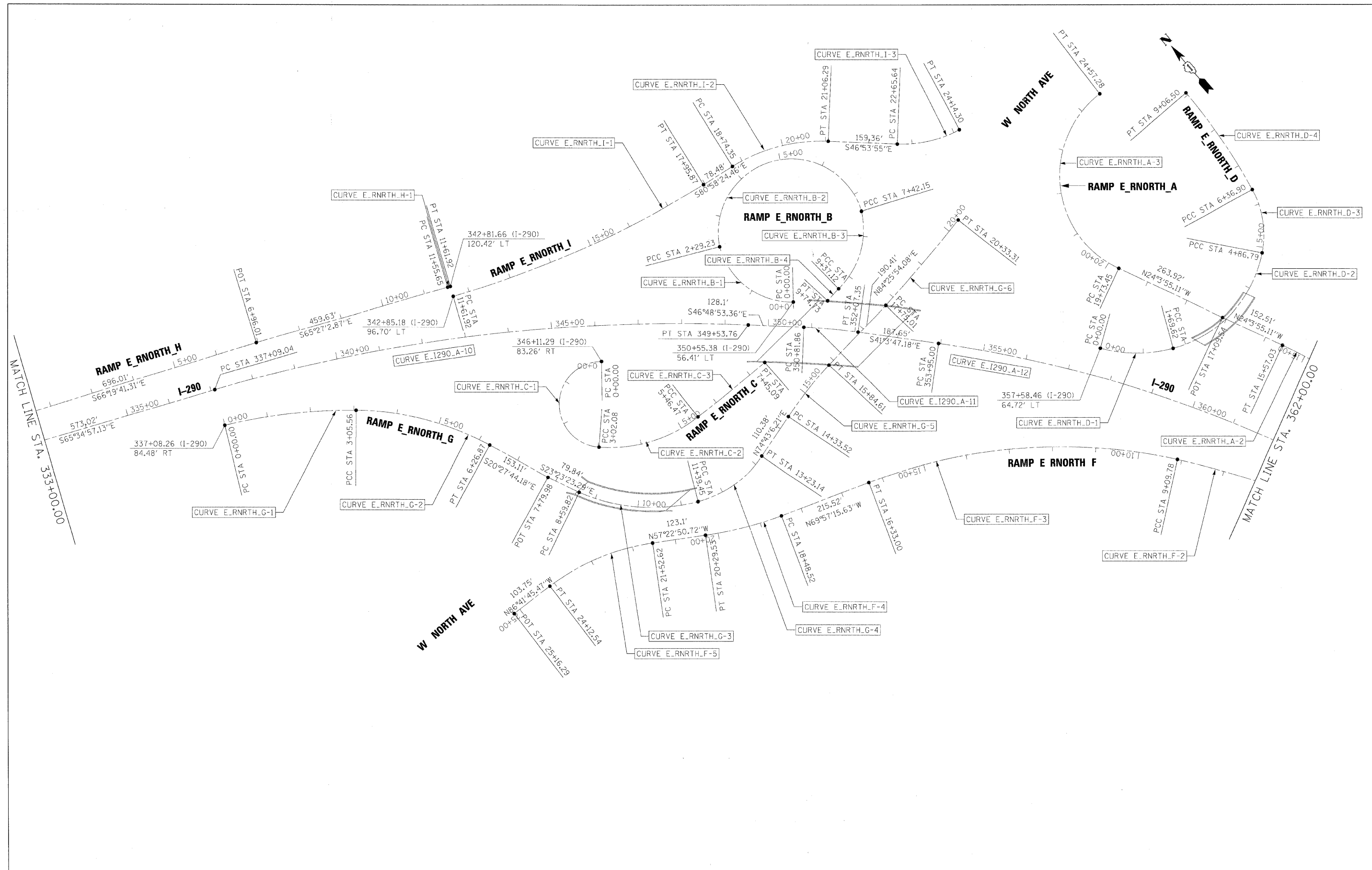
**benesch**

**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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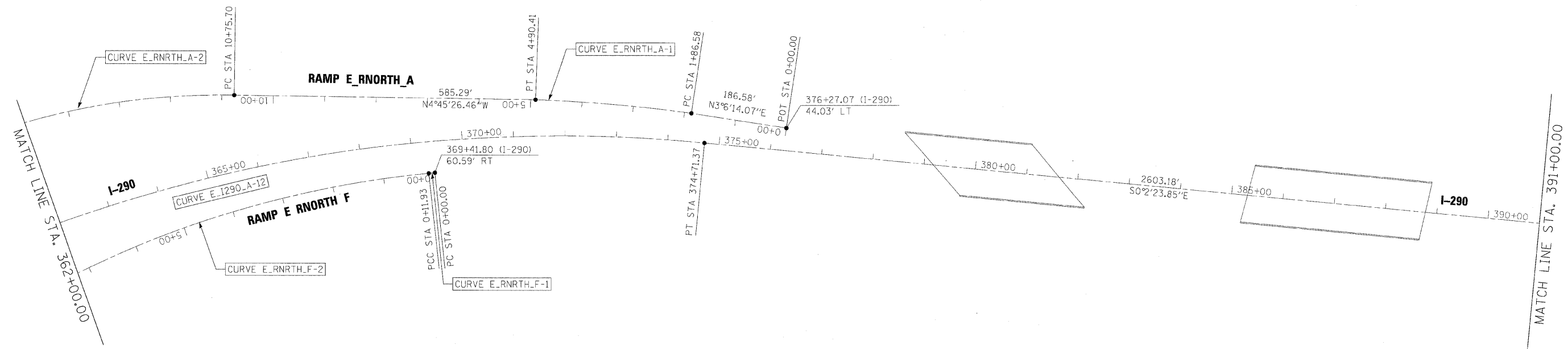
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN  
I-290 MAINLINE**

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

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



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**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN  
I-290 MAINLINE**

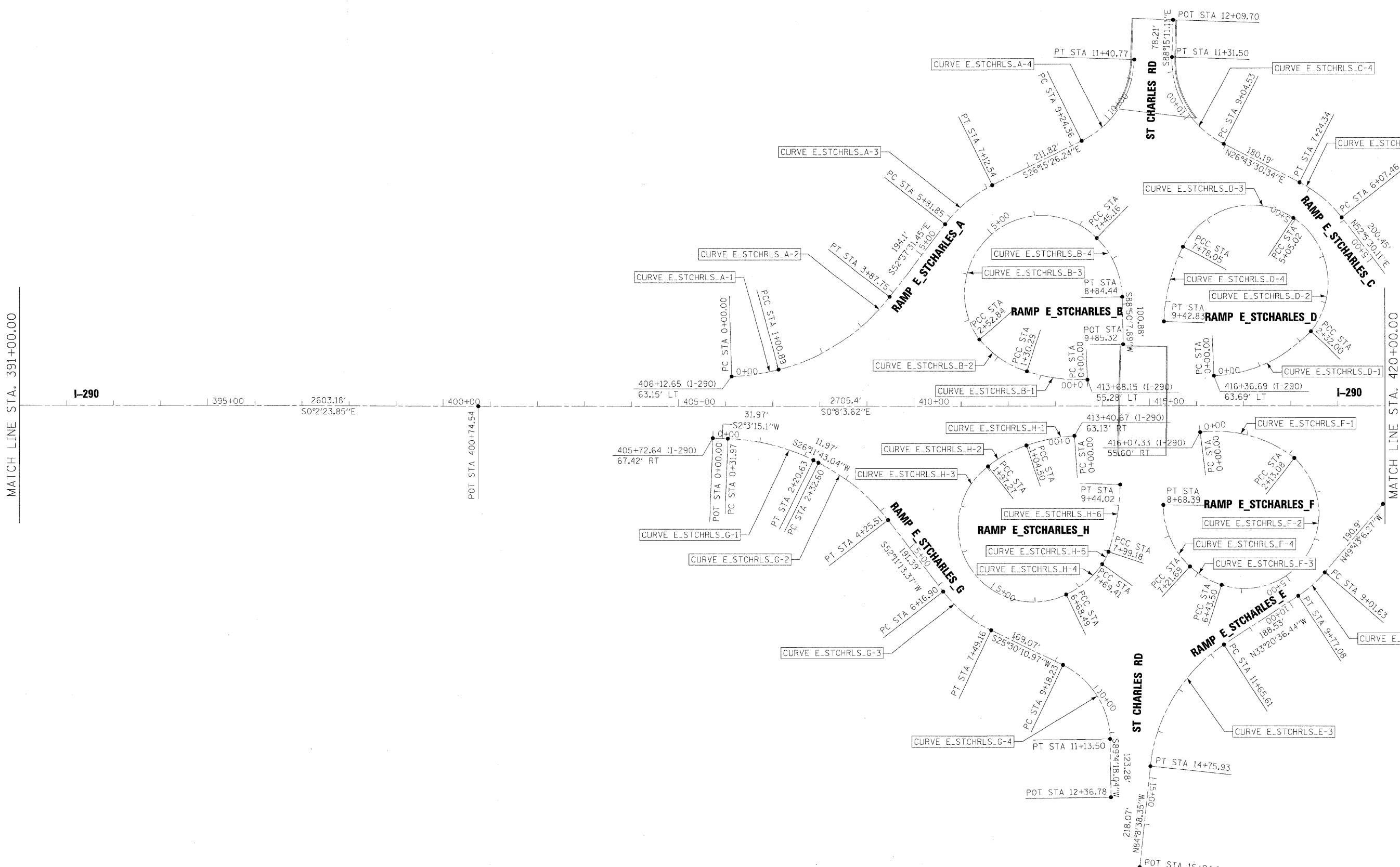
SCALE: 1"=100' SHEET NO. 5 OF 26 SHEETS STA. TO STA.

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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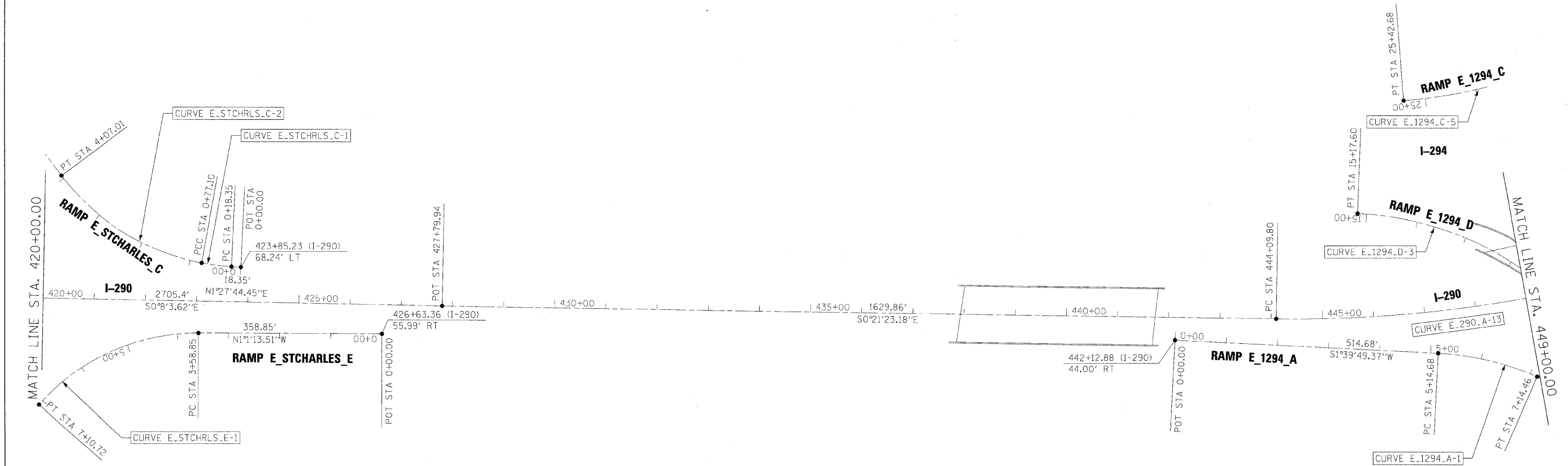
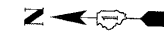
**benesch**

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

**benesch**

**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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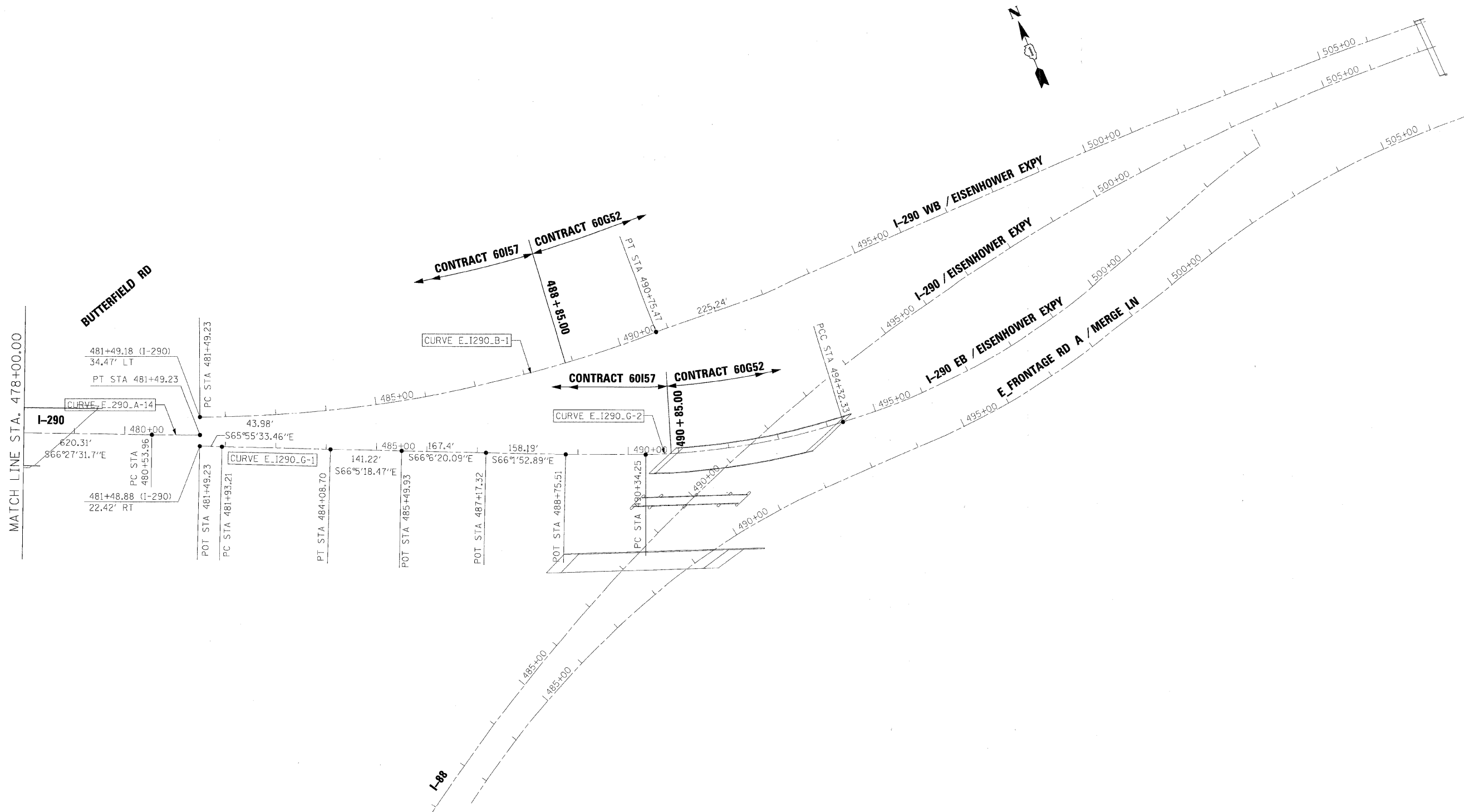
**benesch**

**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	



FILE NAME =	DESIGNED - AJP	REVISED -
...\\exp1n-ABC_C4_2%_ML_exe\align_2%_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 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. = 133+20.00 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. = 181+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. = 242+00.00 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+00.00 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 51 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+00.00 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+00.00 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+00.00 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 52 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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 CURVE DATA</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_abc\c4_290_ml_data\exalign_45.dgn	DRAWN - TMB	REVISED -			290	2009-0998R	COOK/DUPAGE	309	25				
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. 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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 CURVE DATA</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expIn_ABC_C4_290_ML_Data\align_46.dgn	DRAWN - TMJ	REVISED -						290	2009-0998R	COOK/DUPAGE	309	26
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. 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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 CURVE DATA</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln\ABC\C4-290_RLData\exalign_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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 CURVE DATA</b>		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						
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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 CURVE DATA</b>		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				
DATE = 10/16/09	REVISED -	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT									
					SCALE: N.T.S.	SHEET NO. 17 OF 26 SHEETS	STA.	TO STA.			



**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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 CURVE DATA</b>			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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 CURVE DATA</b>			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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 CURVE DATA</b>			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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 CURVE DATA</b>		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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 CURVE DATA</b>		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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 CURVE DATA</b>	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 -
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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**

**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

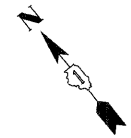
Course from PT E 1294 D-2 to PC E 1294 D-3 N 37° 54' 29.97" E Dist 176.7089

**Curve Data**

**Curve E 1294 D-3**

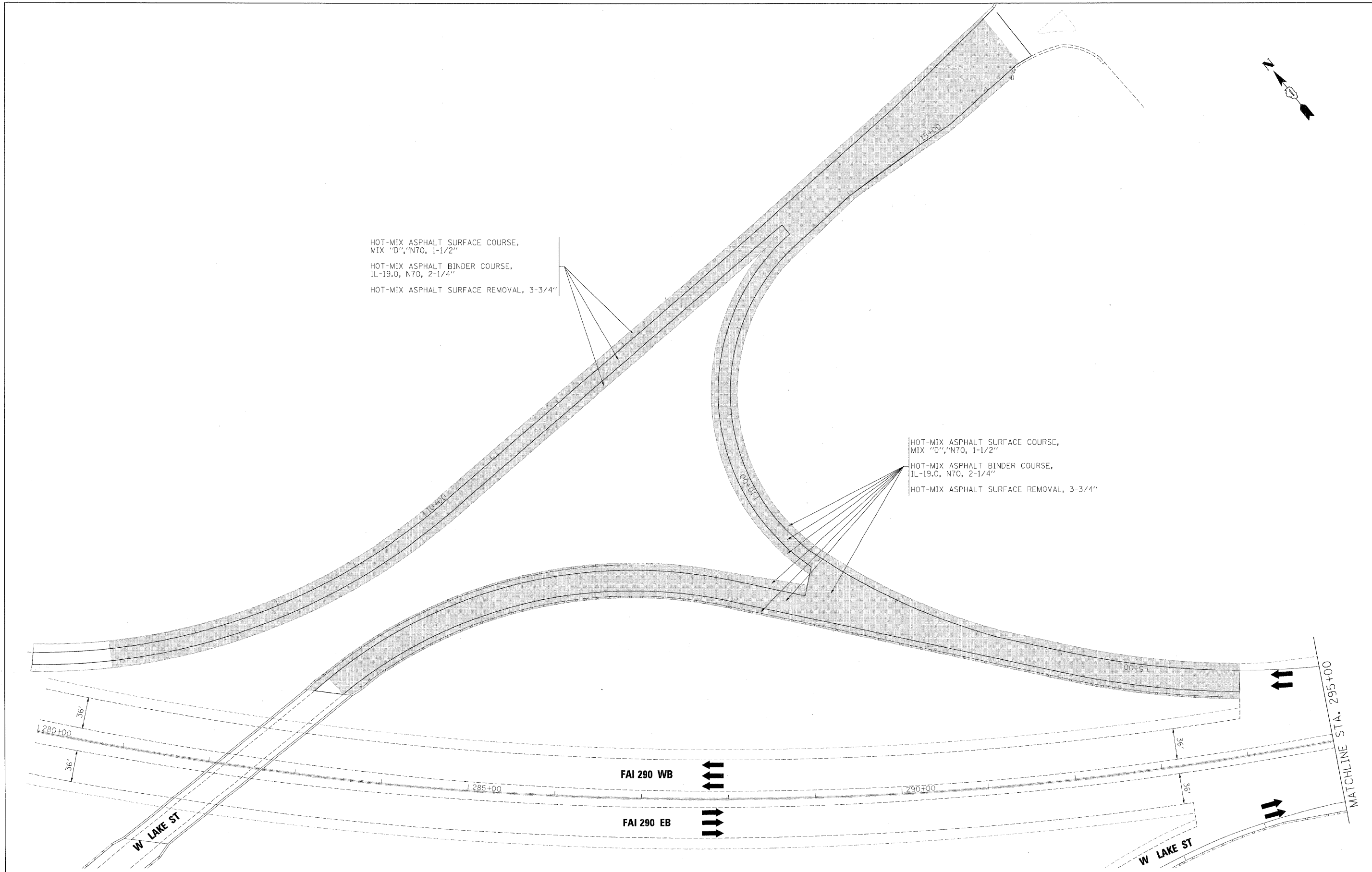
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 Delta = 36° 59' 14.10" (LT)  
 Degree = 9° 32' 57.47"  
 Tangent = 200.6830  
 Length = 387.3296  
 Radius = 600.0000  
 External = 32.6718  
 Long Chord = 380.6390  
 Mid. Ord. = 30.9846  
 P.C. Station = 11+30.27 N 1,899,244.0927 E 1,096,751.1537  
 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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT PLAN I-290 CURVE DATA</b>		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	



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

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



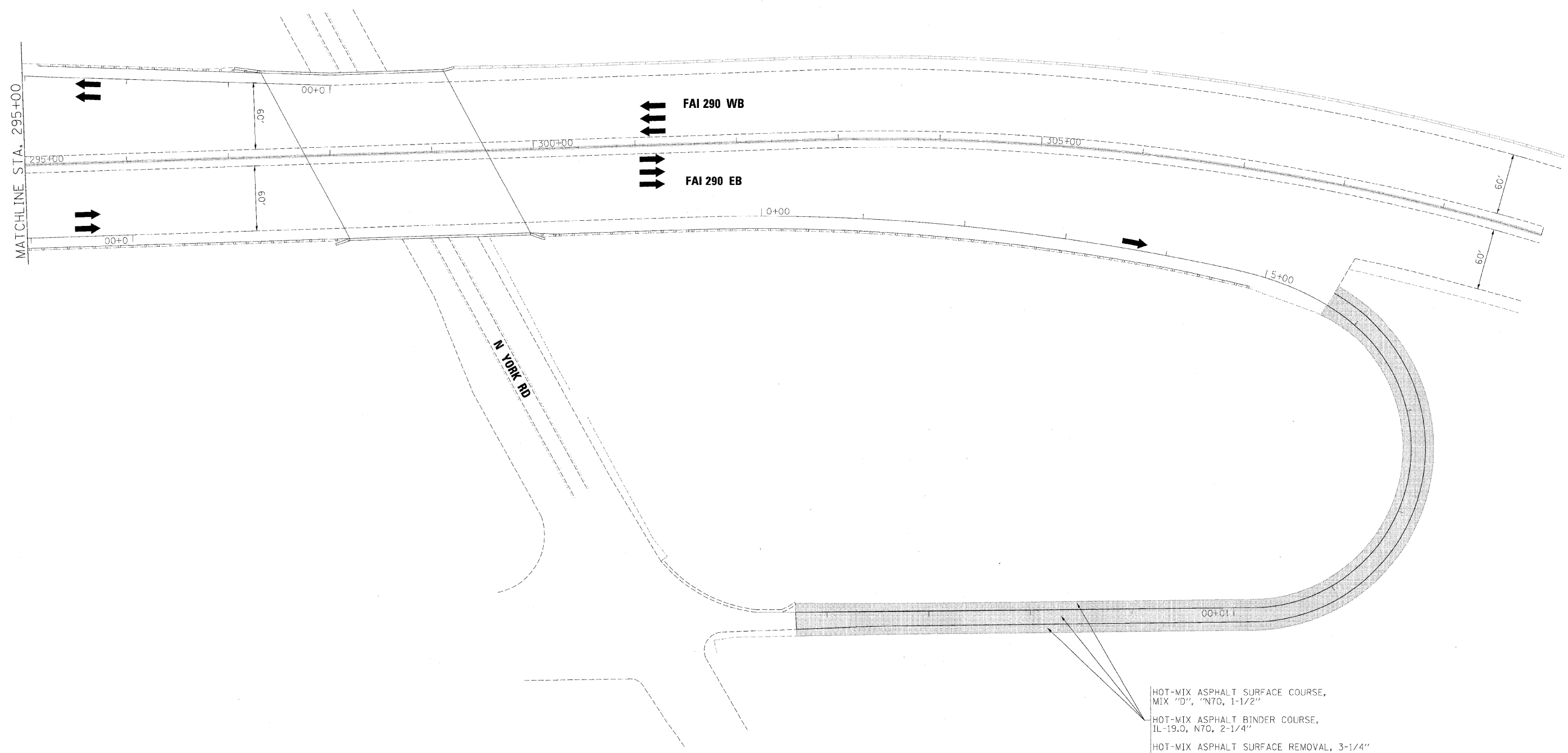
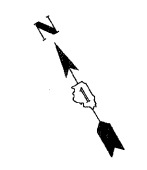
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USER NAME = jnojewski	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
I-290 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	



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

FILE NAME =	DESIGNED - AJP	REVISED -
...\\prpln_abc_c4_298_plan_49.dgn	DRAWN - TMB	REVISED -
USER NAME = jmojewski	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

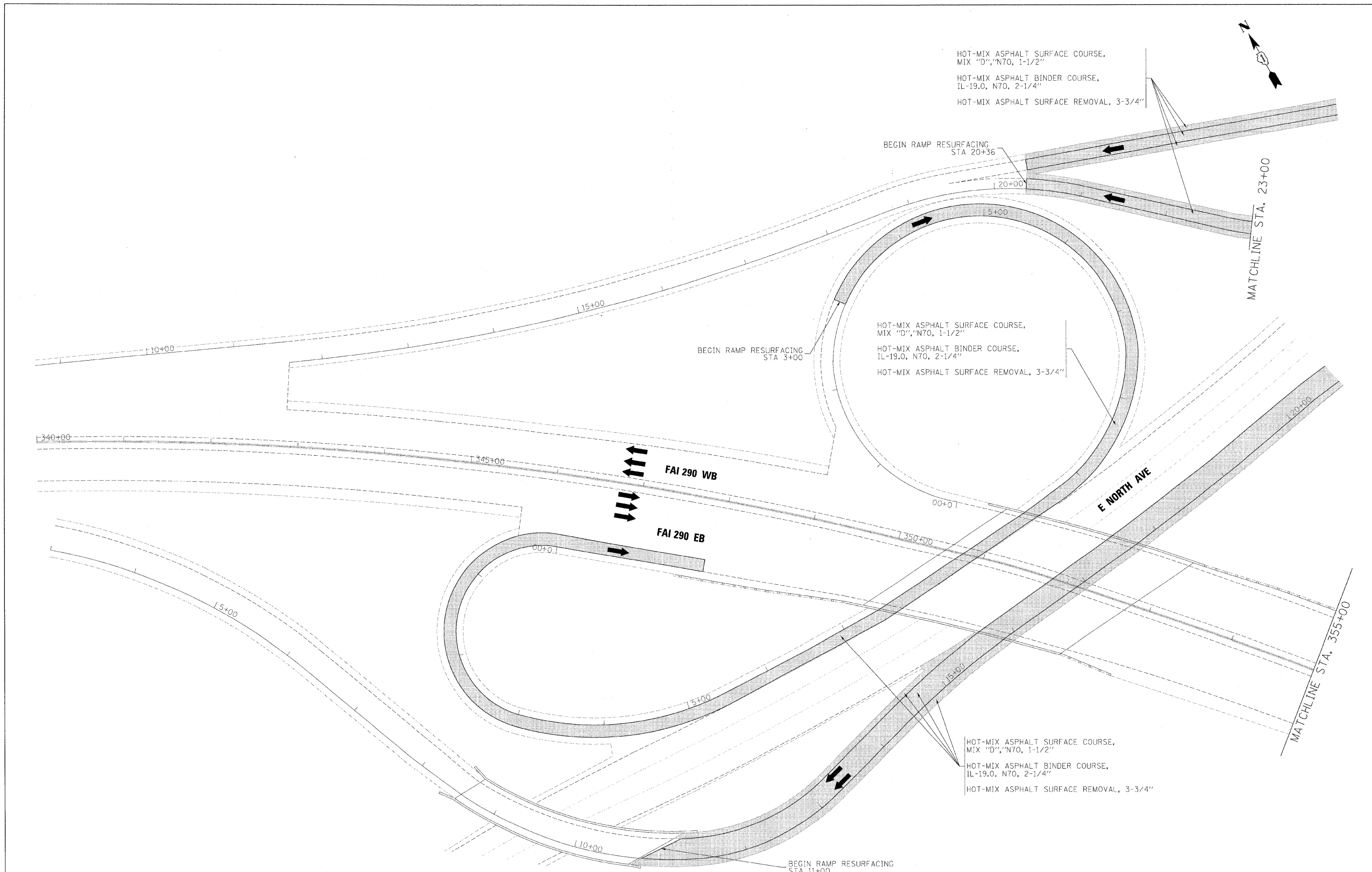
**benesch**

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



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USER NAME = jme_jmwsk	CHECKED - JMM	REVISED -
PLOT DATE = 1/13/2009	DATE - 10/16/09	REVISED -

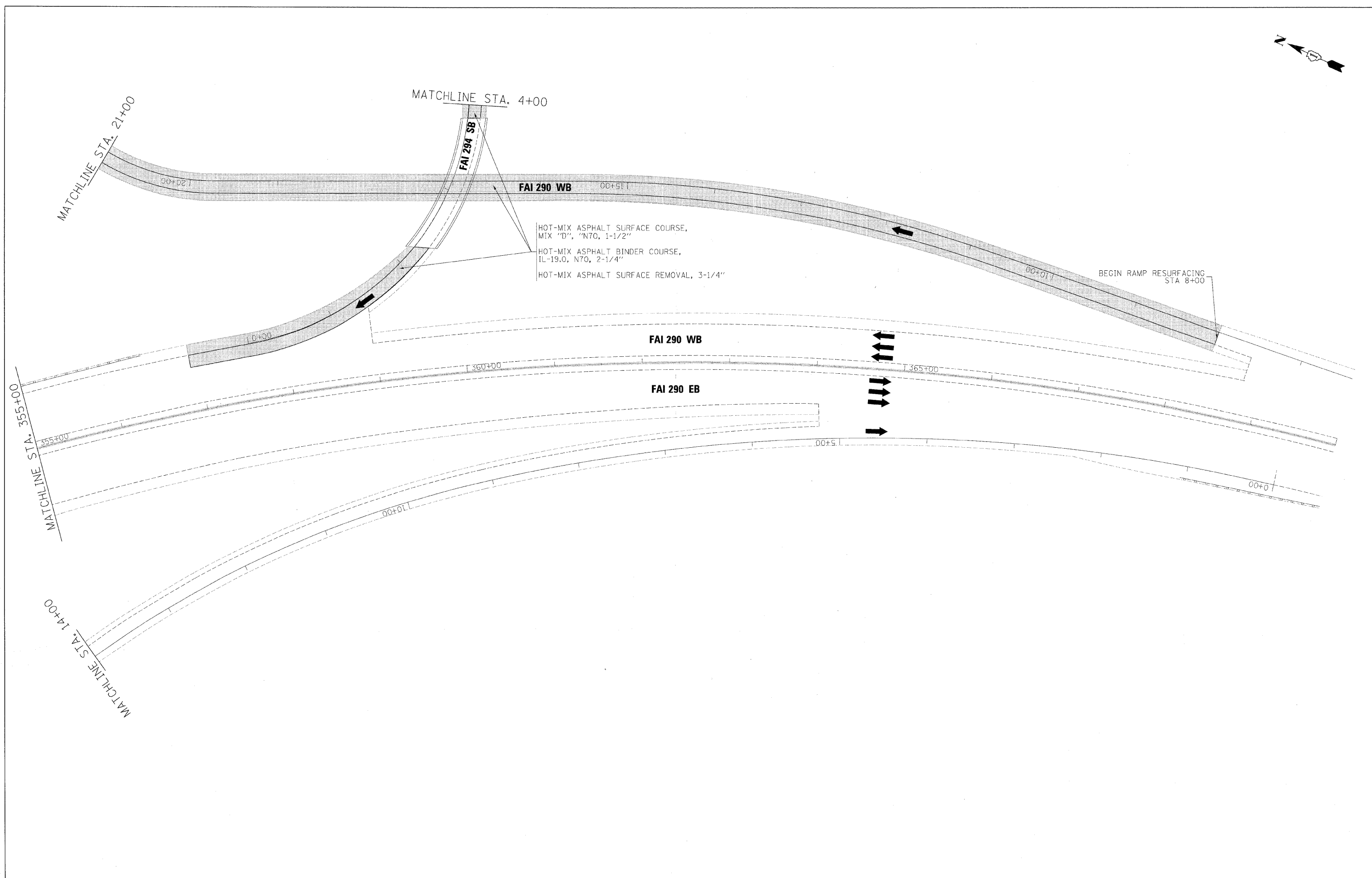
**benesch**

**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 -
...\\prp1n.abc.c4.298.plan_53.dgn	DRAWN - TMB	REVISED -
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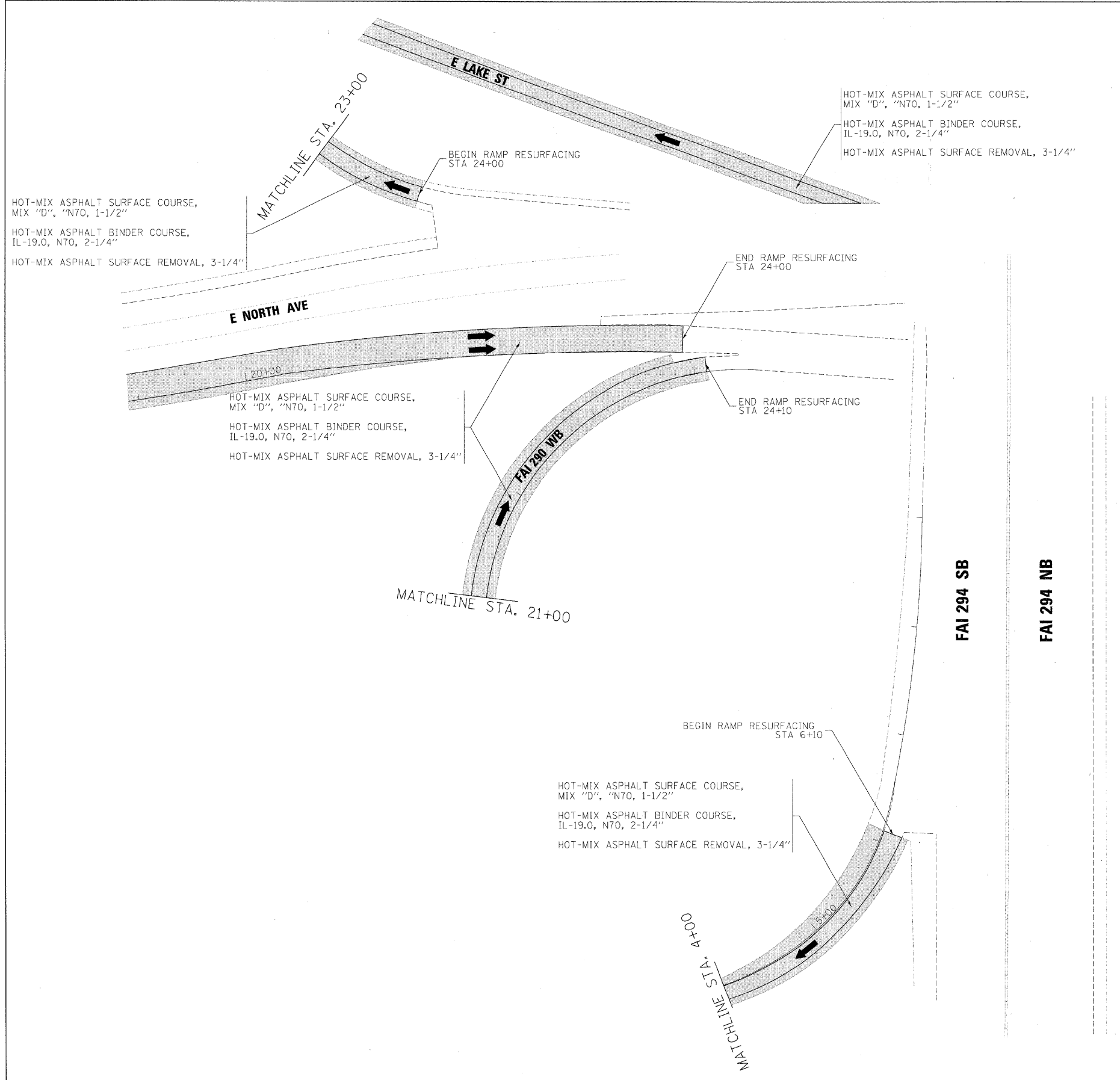
**benesch**

**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	



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**

**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**

1. 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.
2. 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.
3. 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.
4. 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**

1. 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.
2. 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.
3. 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.
4. 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.
5. 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**

BEGIN PAVEMENT PATCHING WHERE POSSIBLE UTILIZING LANE CLOSURES IMPLEMENTED IN THE STAGE 1 MAINTENANCE OF TRAFFIC PLANS.

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

1. REPAIR BRIDGE DECK.
2. REMOVE AND REPLACE CONCRETE OVERLAY.
3. RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
4. RECONSTRUCT ABUTMENT BACKWALLS.
5. STABILIZE ABUTMENTS.
6. REPLACE BRIDGE APPROACH SLABS.
7. REPAIR SUBSTRUCTURE.
8. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.

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

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

**I-290 WB OVER IL 64 - NORTH AVE. (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 SUBSTRUCTURE.
6. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
7. APPLY CONCRETE SEALER TO PARAPETS.

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

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 PARAPET WITH FORMED CONCRETE REPAIR.
6. REPLACE DIAPHRAGMS AT NORTH ABUTMENT.
7. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
8. APPLY CONCRETE SEALER TO PARAPETS.

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

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 PARAPET WITH FORMED CONCRETE REPAIR.
6. REPAIR SLOPE WALL.
7. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
8. APPLY CONCRETE SEALER TO PARAPETS.

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

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 PARAPET WITH FORMED CONCRETE REPAIR.
6. NOISE ABATEMENT WALL REPAIRS.
7. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
8. 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)**

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 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.

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

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. NOISE ABATEMENT WALL REPAIRS.
6. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
7. APPLY CONCRETE SEALER TO PARAPETS.

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

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. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
6. 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**

1. 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.
2. TWO WESTBOUND LANES WILL BE MAINTAINED FROM THE WESTERN CONTRACT LIMITS. THE INSIDE LANE WILL BE CLOSED.
3. 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.
4. 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.
5. EAST OF THE NORTH AVENUE BRIDGE, TRAFFIC SHIFTS TO THE OUTSIDE SHOULDER THROUGH THE UP RAILROAD BRIDGE STRUCTURE.
6. TRAFFIC SHIFTS BACK ONTO THE EXISTING MIDDLE AND OUTSIDE LANES. WITH THE INSIDE LANE CLOSED.
7. 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**

1. 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.
2. THE TWO WESTBOUND LANES WILL RETURN TO THE EXISTING MIDDLE AND OUTSIDE LANE WEST OF BUTTERFIELD. THE INSIDE LANE WILL BE CLOSED.
3. APPROACHING ELECTRIC AVENUE, TRAFFIC WILL SHIFT TO THE OUTSIDE SHOULDER AND RETURN TO THE MIDDLE AND OUTSIDE LANE WEST OF ELECTRIC AVENUE.
4. BOTH LANES WILL SHIFT BACK TO THE OUTSIDE FOR THE UP RAILROAD BRIDGES.
5. WEST OF THE UP RAILROAD BRIDGES, THE TWO LANES OF TRAFFIC WILL SPLIT AROUND THE MIDDLE WORK ZONE FOR THE NORTH AVENUE BRIDGE.
6. AFTER THE NORTH AVENUE BRIDGE, TRAFFIC CONVERGES BACK INTO THE MIDDLE AND OUTSIDE LANES, WITH THE INSIDE LANE REMAINING CLOSED.
7. 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**

BEGIN PAVEMENT PATCHING WHERE POSSIBLE UTILIZING LANE CLOSURES IMPLEMENTED IN THE STAGE 2 MAINTENANCE OF TRAFFIC PLANS.

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

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

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

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

**I-290 WB OVER IL 64 - NORTH AVE. (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 SUBSTRUCTURE.
6. 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)**

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 (SN 016-1130).
6. REPAIR PARAPET WITH FORMED CONCRETE REPAIR.
7. CLEAN AND RESEAL RELIEF JOINTS AT THE ENDS OF APPROACH PAVEMENT CONNECTORS.
8. APPLY CONCRETE SEALER TO PARAPETS, ABUTMENT SEATS AND BACKWALLS.

**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.

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

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.

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC</b>			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							

**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 60651.

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

BEGIN PAVEMENT PATCHING WHERE POSSIBLE UTILIZING LANE CLOSURES IMPLEMENTED IN THE STAGE 3 MAINTENANCE OF TRAFFIC PLANS.

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

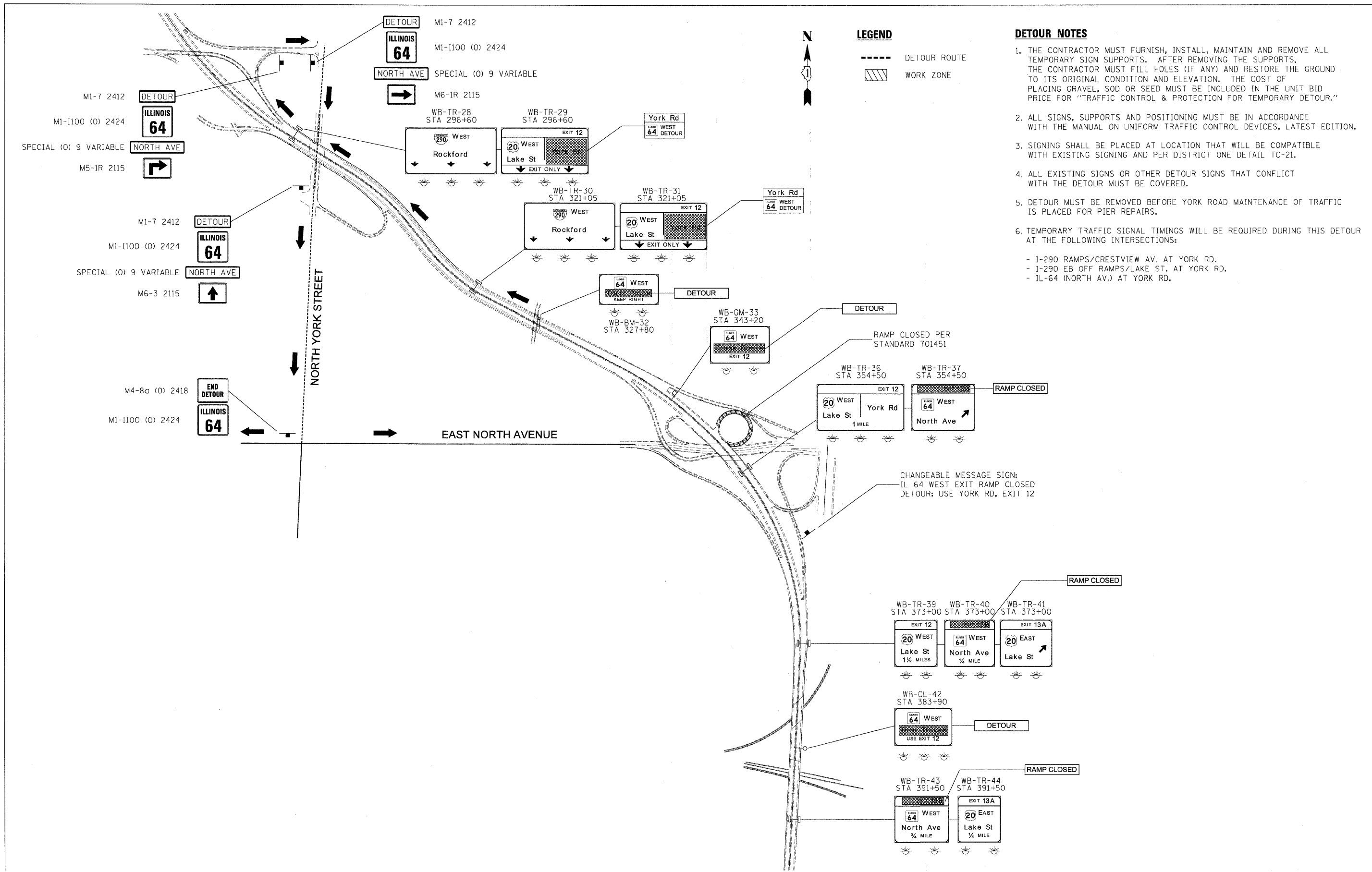
ALL STRIPING SHALL BE RETURNED TO THE EXISTING CONFIGURATION PRIOR TO RESURFACING OPERATIONS. SEE MAINTENANCE OF TRAFFIC TYPICAL SECTIONS FOR PATCHING AND RESURFACING TRAFFIC CONTROL.

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.

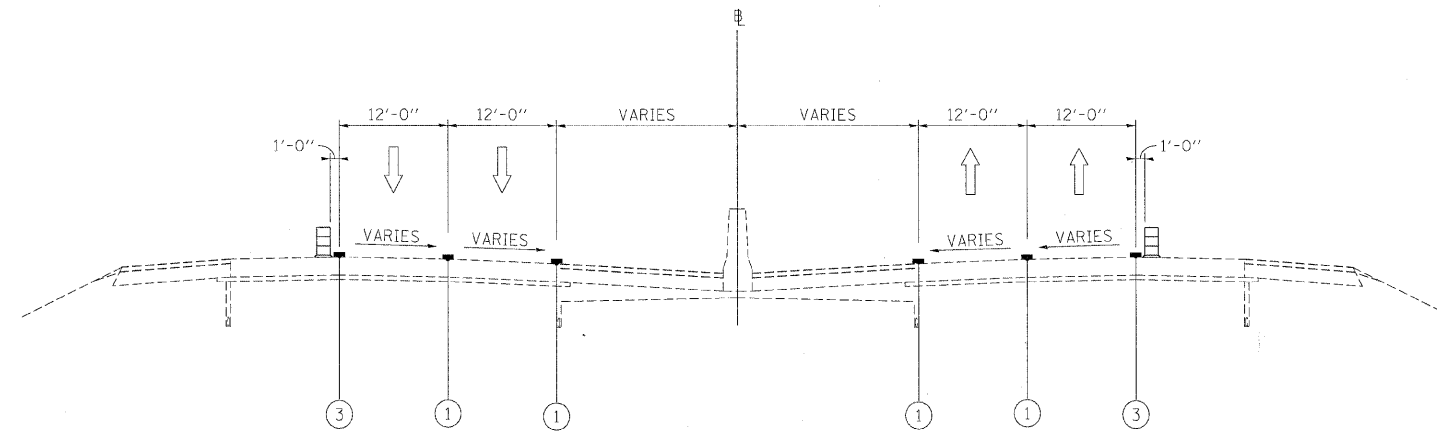
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USER NAME = tblank	CHECKED - JJT	REVISED -				CONTRACT NO. 60157				
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -				SCALE: N.T.S. SHEET NO. 2 OF 69 SHEETS STA. TO STA.				
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





- 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.

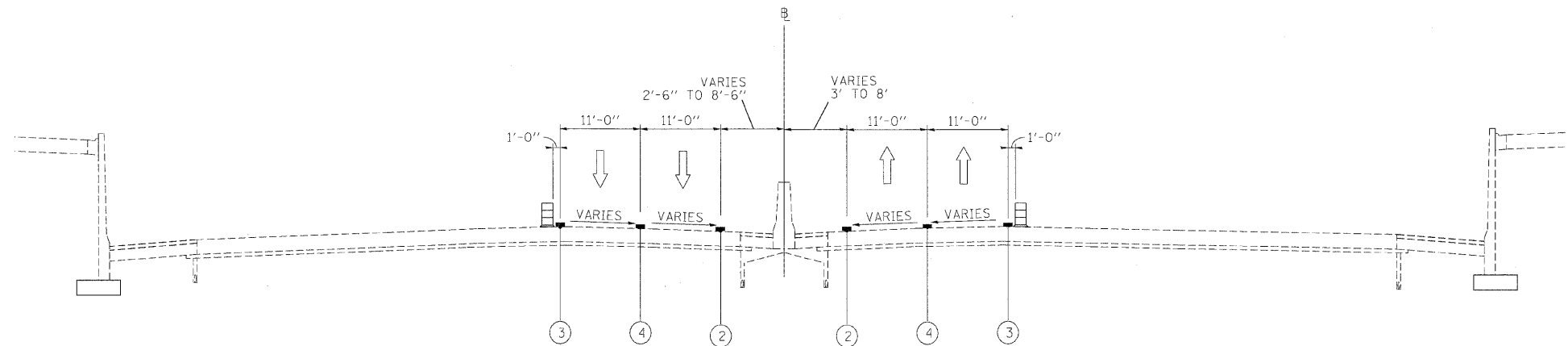
FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETOUR PLAN</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
...prp\in\ARC_C4_Detour_2.dgn	DRAWN - TMB	REVISED -			<b>I-290 WB TO IL 64 (NORTH AVE)</b>		290	2009-0998R	COOK/DUPAGE	309	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 -											
									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

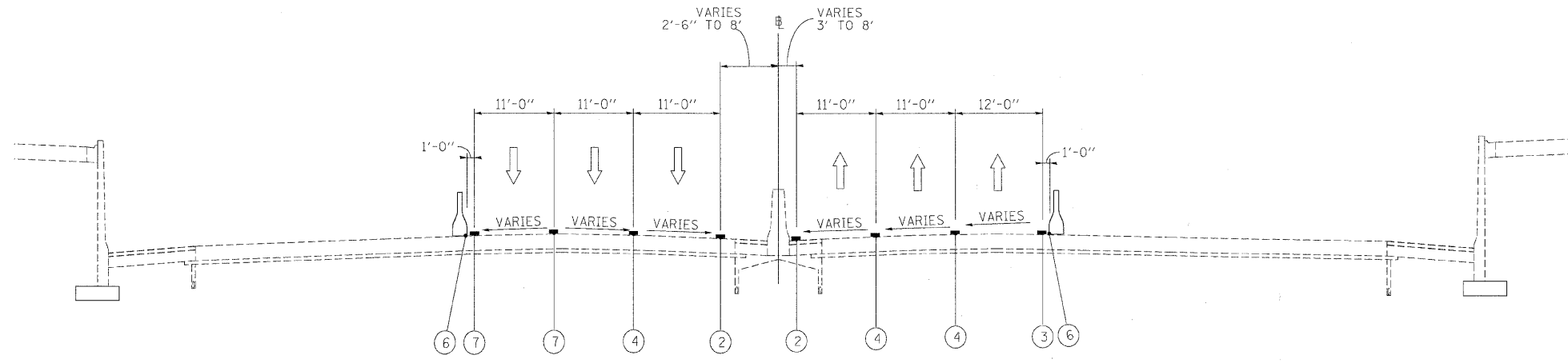
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

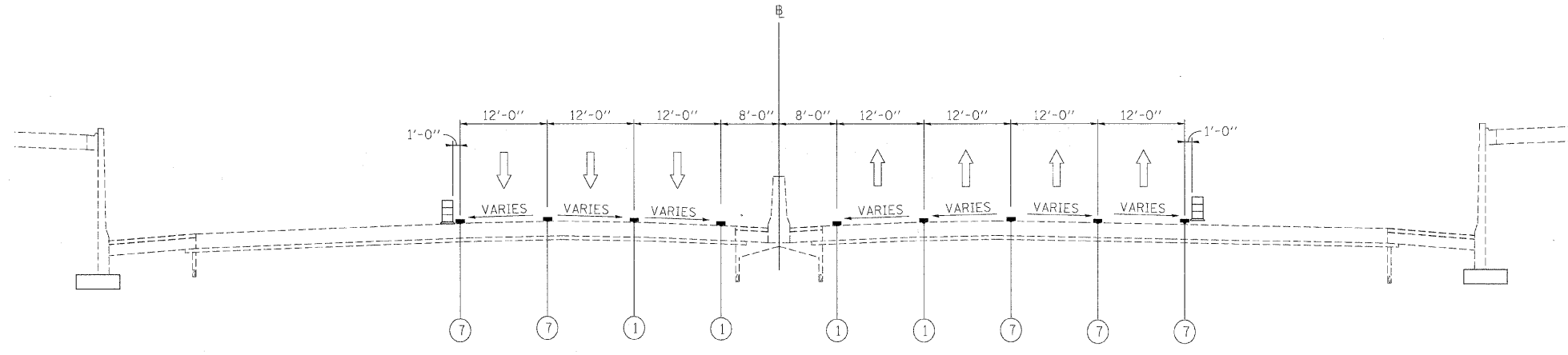
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS - STAGE 1	
SCALE: N.T.S.	SHEET NO. 4 OF 69 SHEETS
STA.	TO STA.

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

FILE NAME =	DESIGNED - AJP	REVISED -
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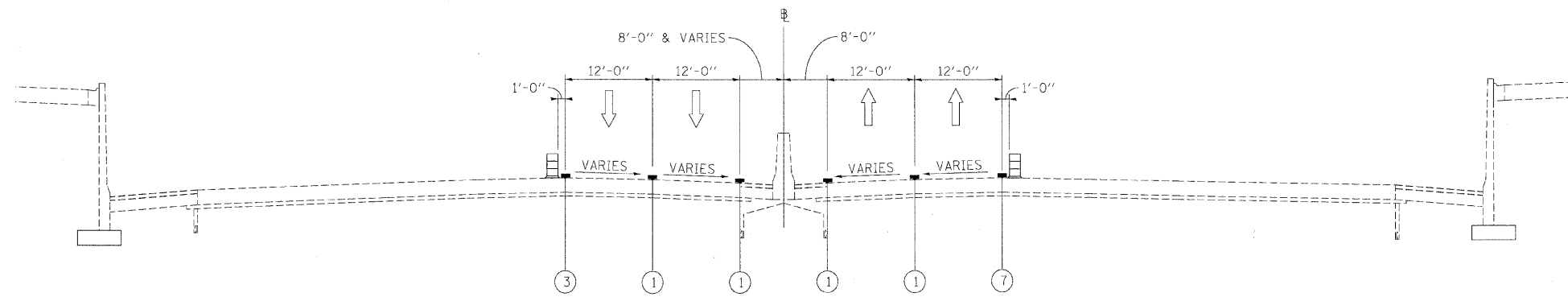
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

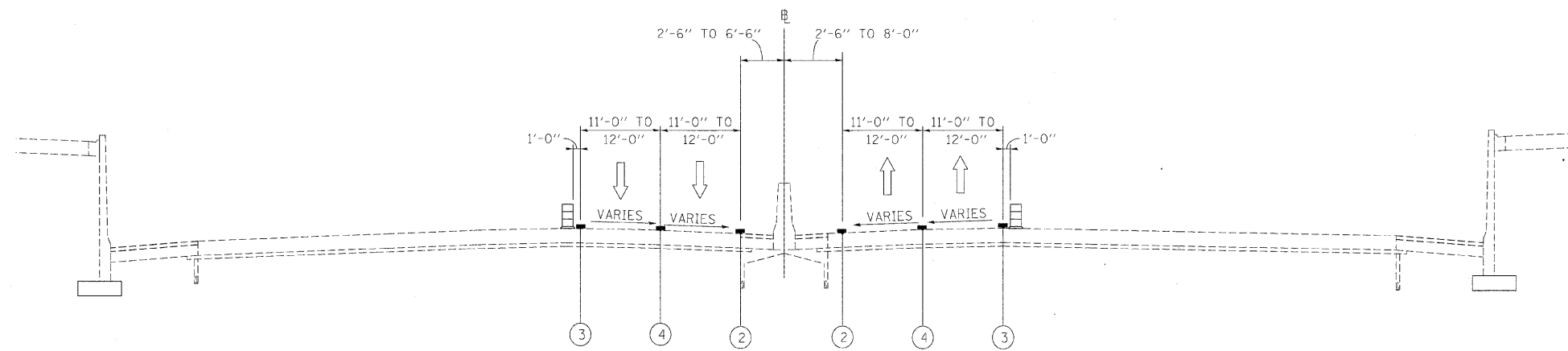
**MAINTENANCE OF TRAFFIC  
TYPICAL SECTIONS - STAGE 1**

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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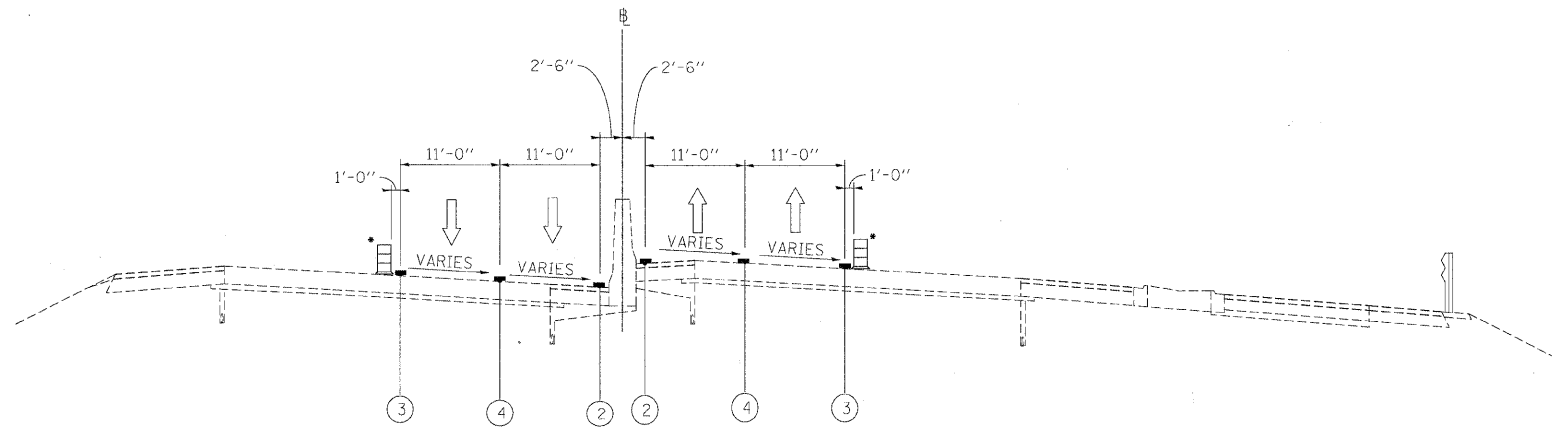
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**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				

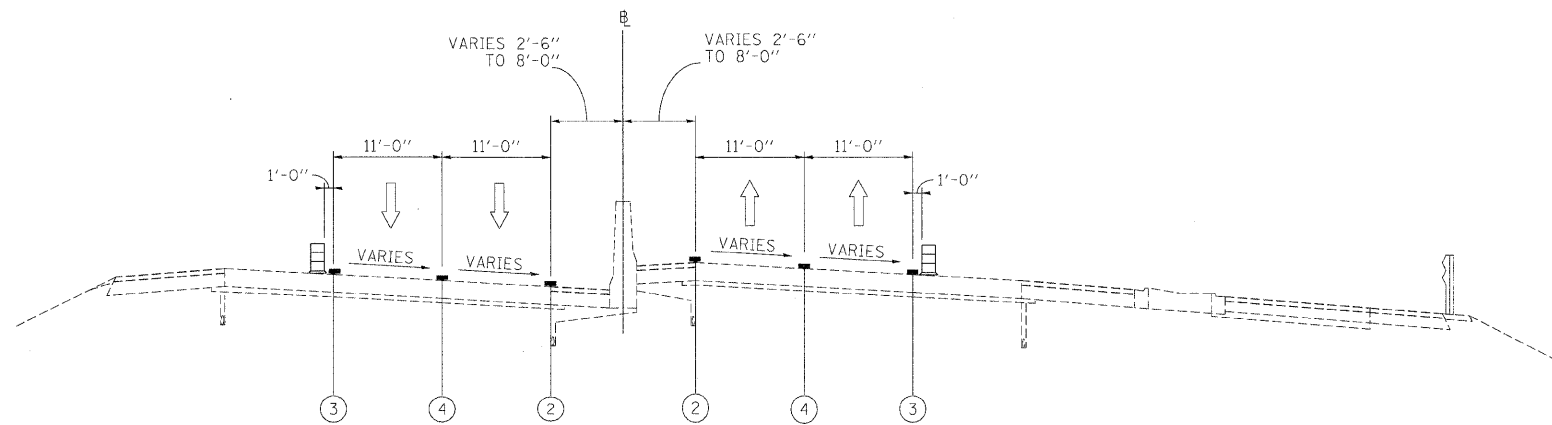


**STAGE 1**  
**MAINTENANCE OF TRAFFIC**  
**TYPICAL SECTION**

• TEMPORARY CONCRETE BARRIER IN PLACE OF BARRELS AT VARIOUS LOCATIONS

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






**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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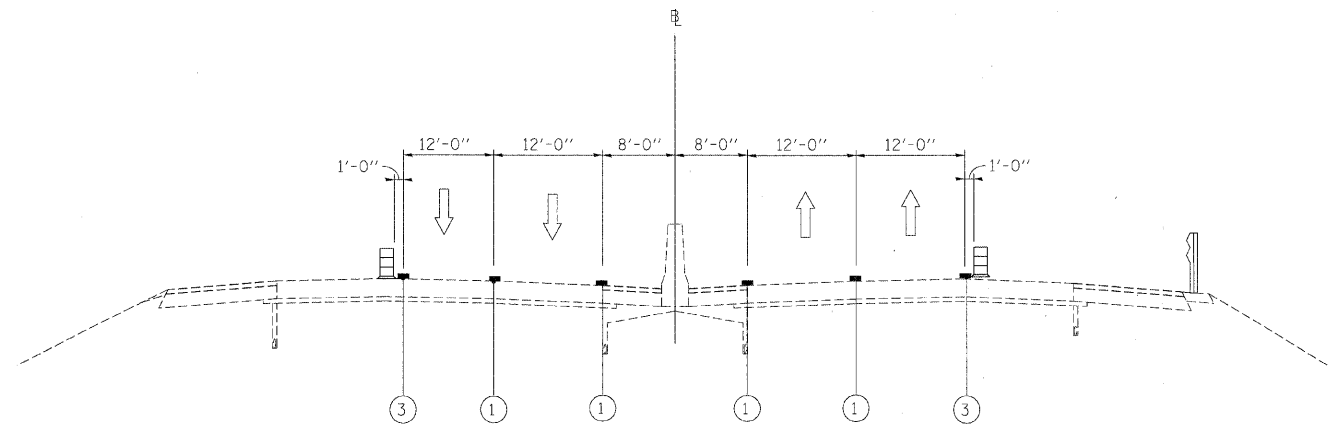
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

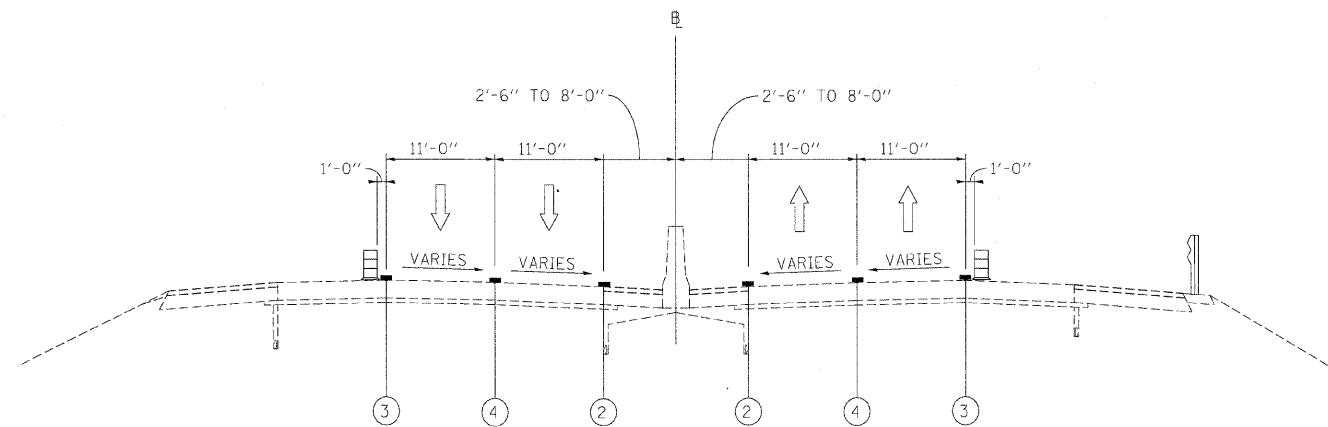
**MAINTENANCE OF TRAFFIC**  
**TYPICAL SECTIONS - STAGE 1**

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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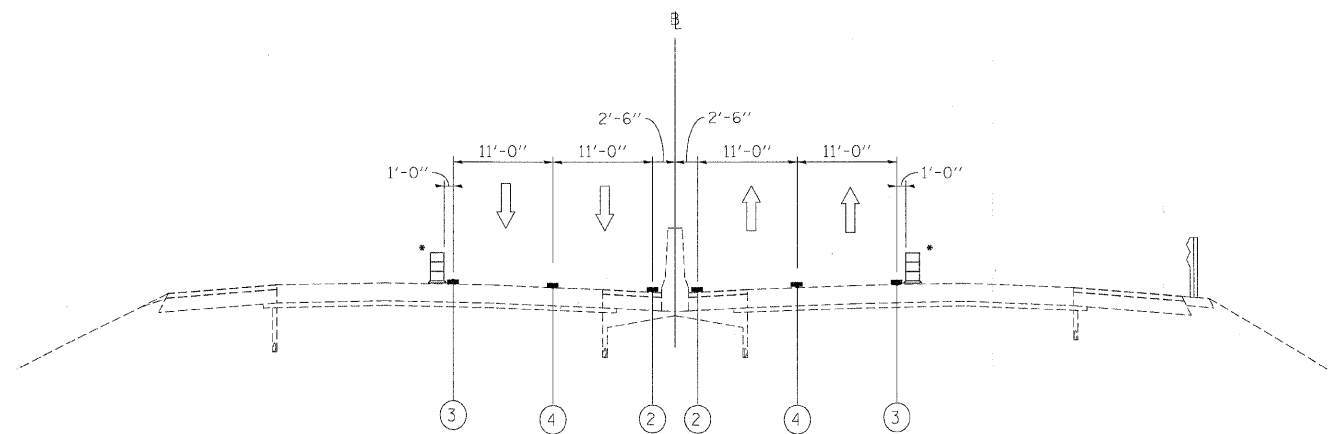
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

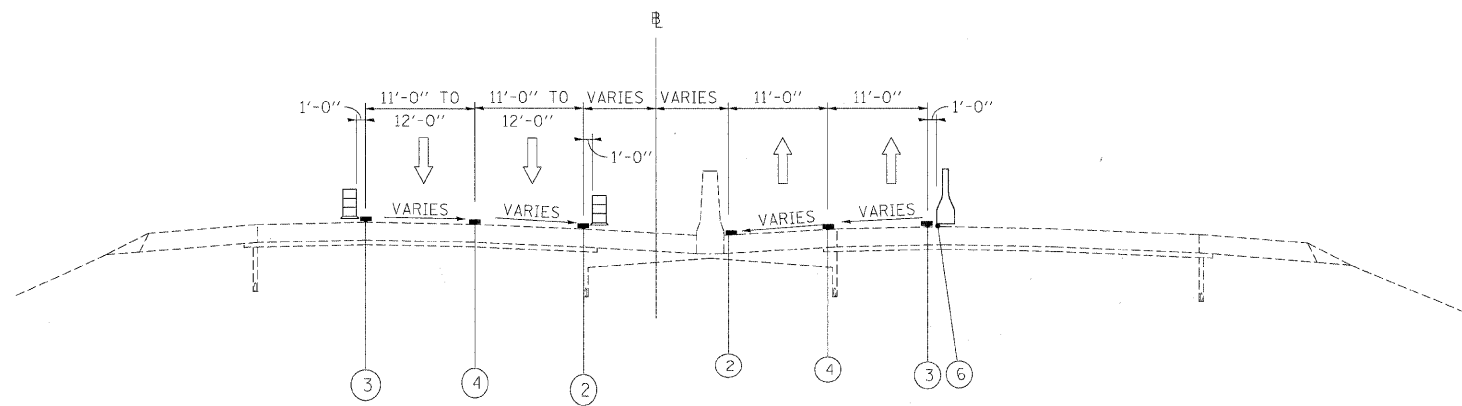
SCALE: N.T.S. SHEET NO. 8 OF 69 SHEETS STA. TO STA.

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




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



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

BRIDGE OMISSION STA 476+03 TO STA 480+16      BRIDGE OMISSION 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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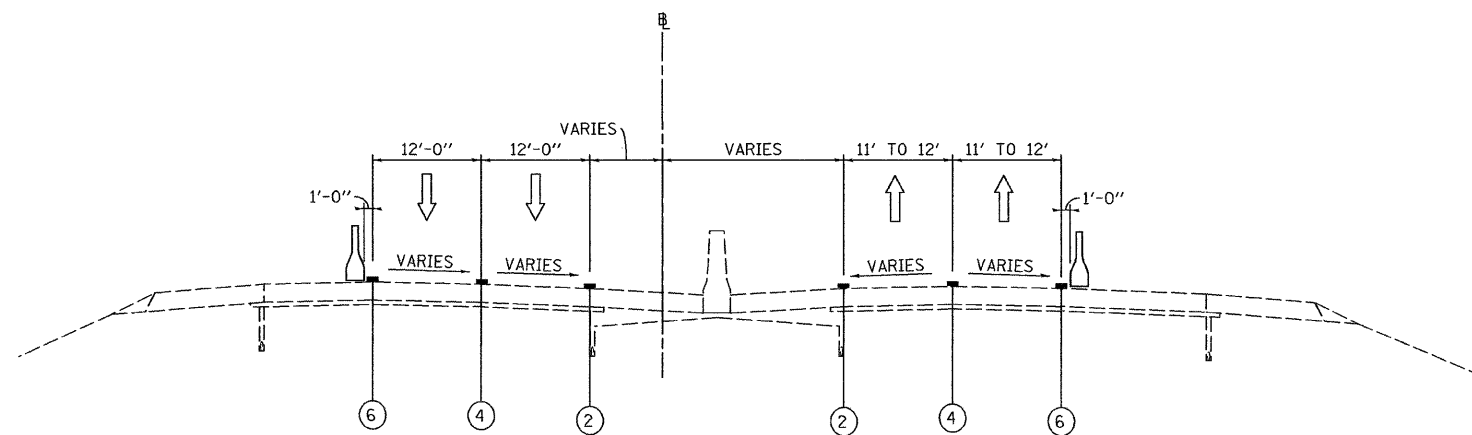
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

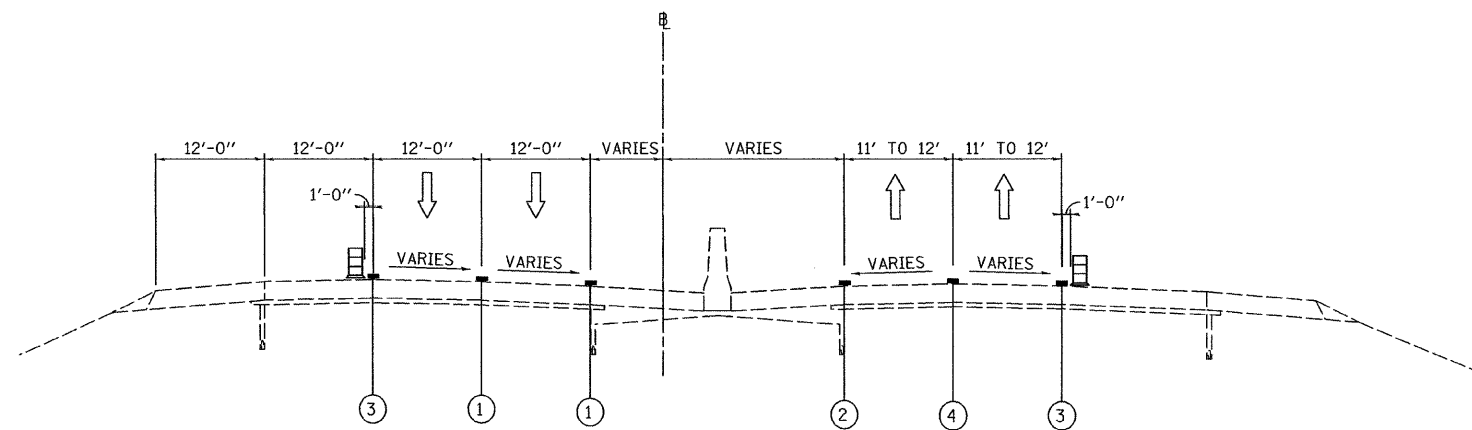
**MAINTENANCE OF TRAFFIC**  
**TYPICAL SECTIONS - STAGE 1**

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



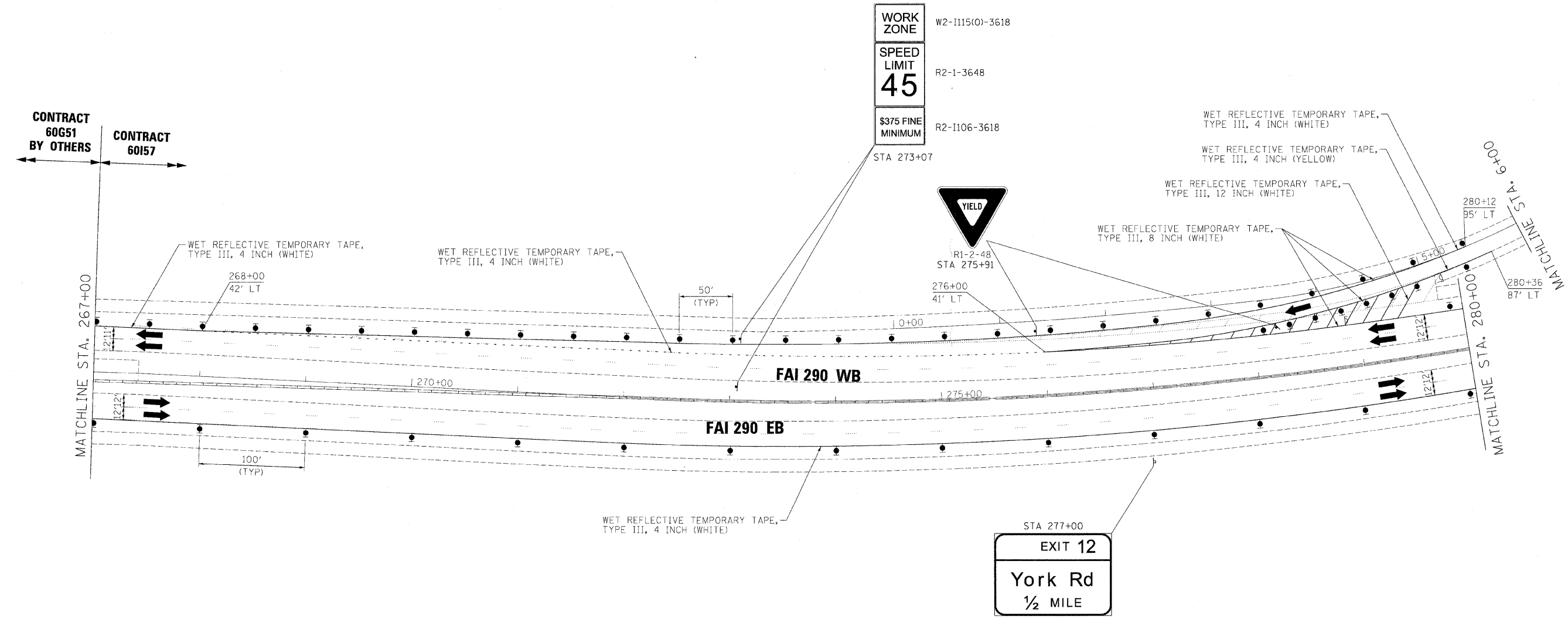
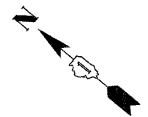
STA 482+50 TO STA 492+70 (WB) **EXISTING TYPICAL SECTION** STA 481+52 TO STA 484+49 (EB)  
SEE STAGE CONSTRUCTION DETAILS FOR TYPICAL SECTION THROUGH BRIDGE

**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

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC TYPICAL SECTIONS - STAGE 1</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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- 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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**benesch**








**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

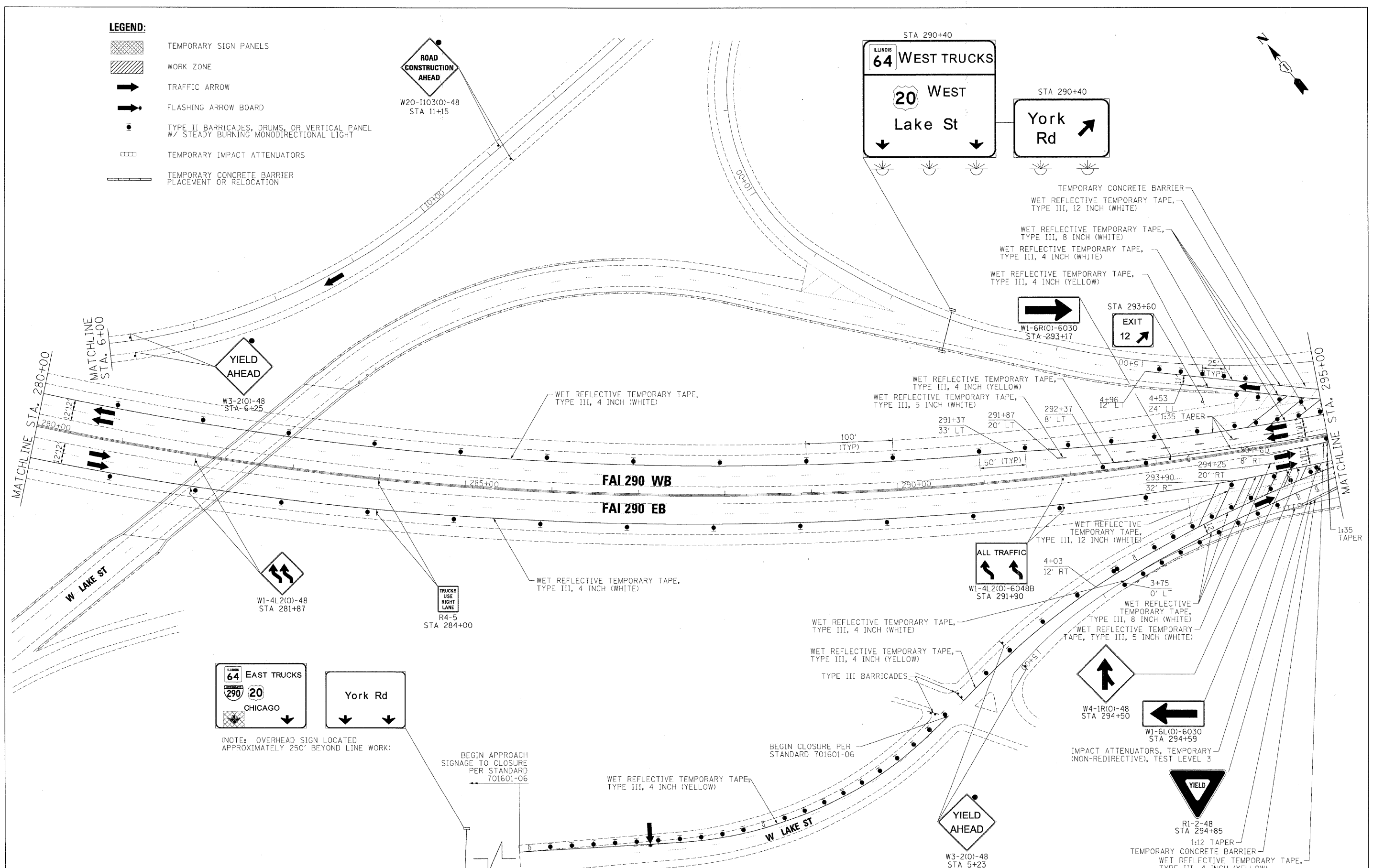
**MAINTENANCE OF TRAFFIC  
 PLAN - STAGE 1**

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



ILLINOIS 64 EAST TRUCKS  
 290 20 CHICAGO  
 York Rd

(NOTE: OVERHEAD SIGN LOCATED APPROXIMATELY 250' BEYOND LINE WORK)

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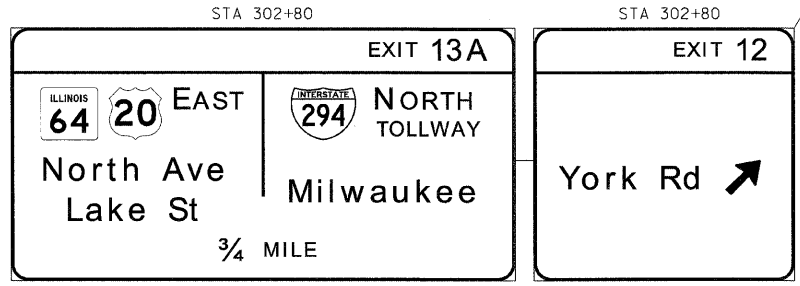
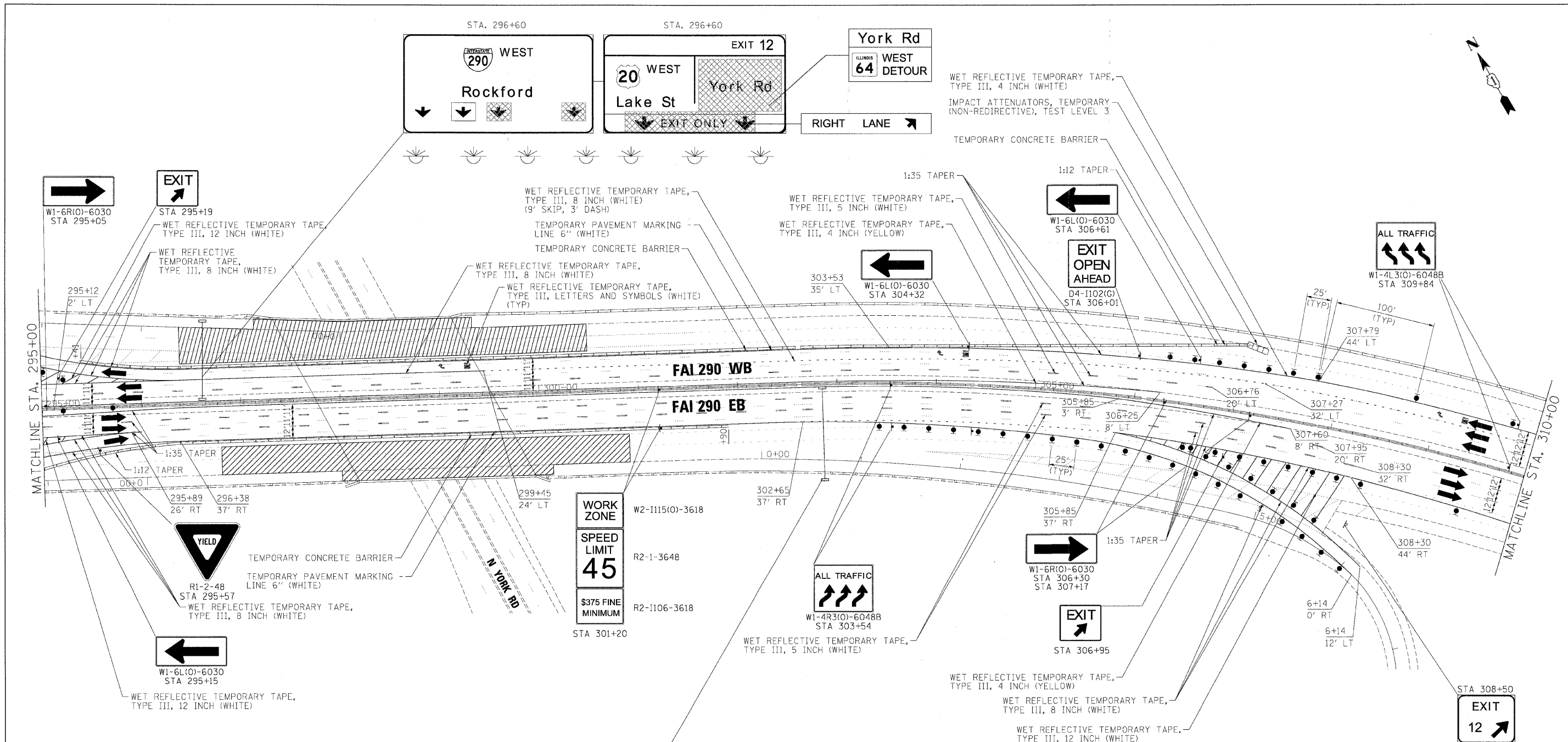
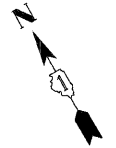
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
 PLAN - STAGE 1

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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	



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

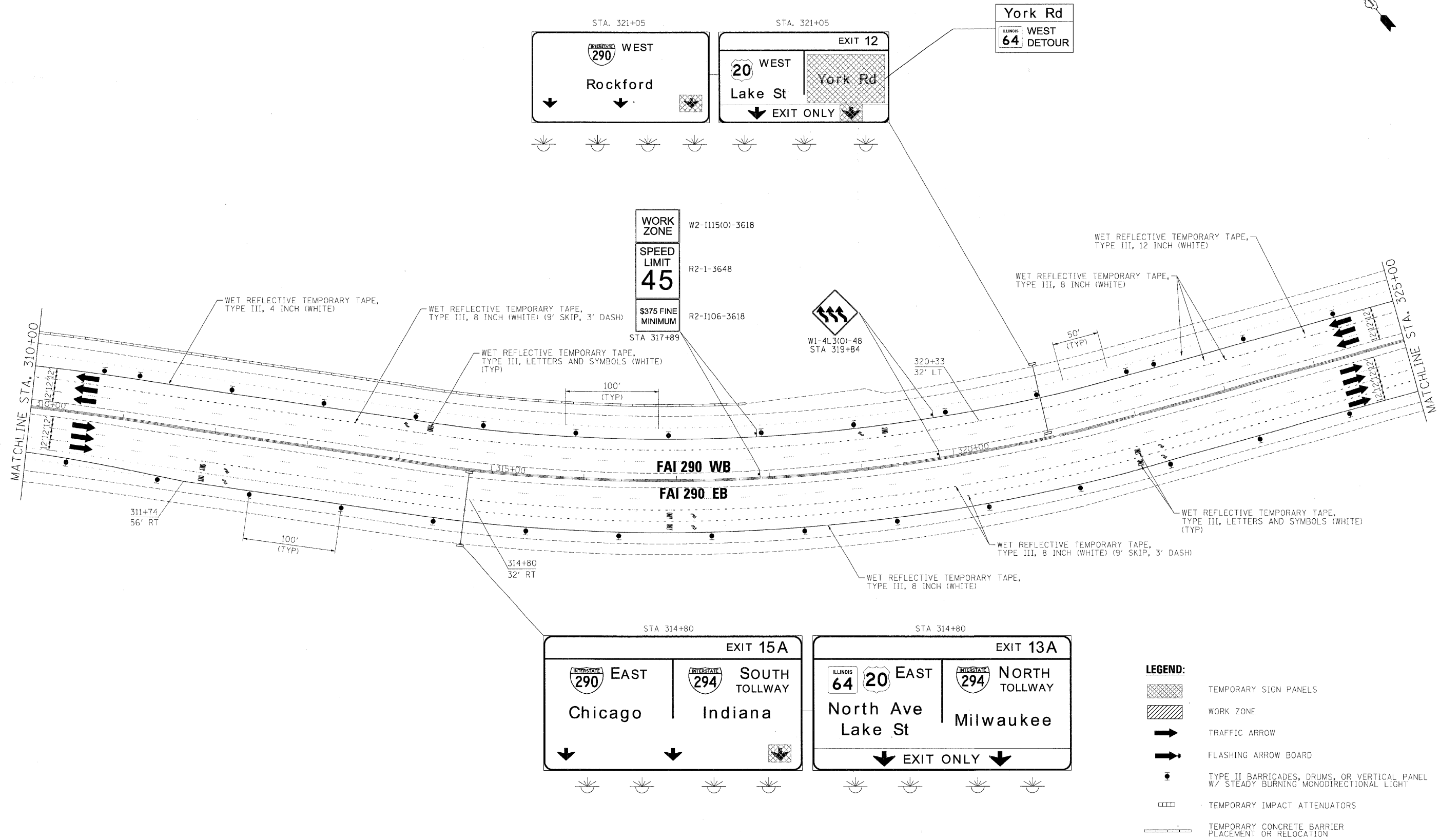
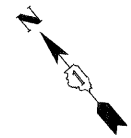
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAINTENANCE OF TRAFFIC PLAN - STAGE 1</b>	
SCALE: 1"=50'	SHEET NO. 13 OF 69 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	58
CONTRACT NO. 60157			ILLINOIS FED. AID PROJECT	



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

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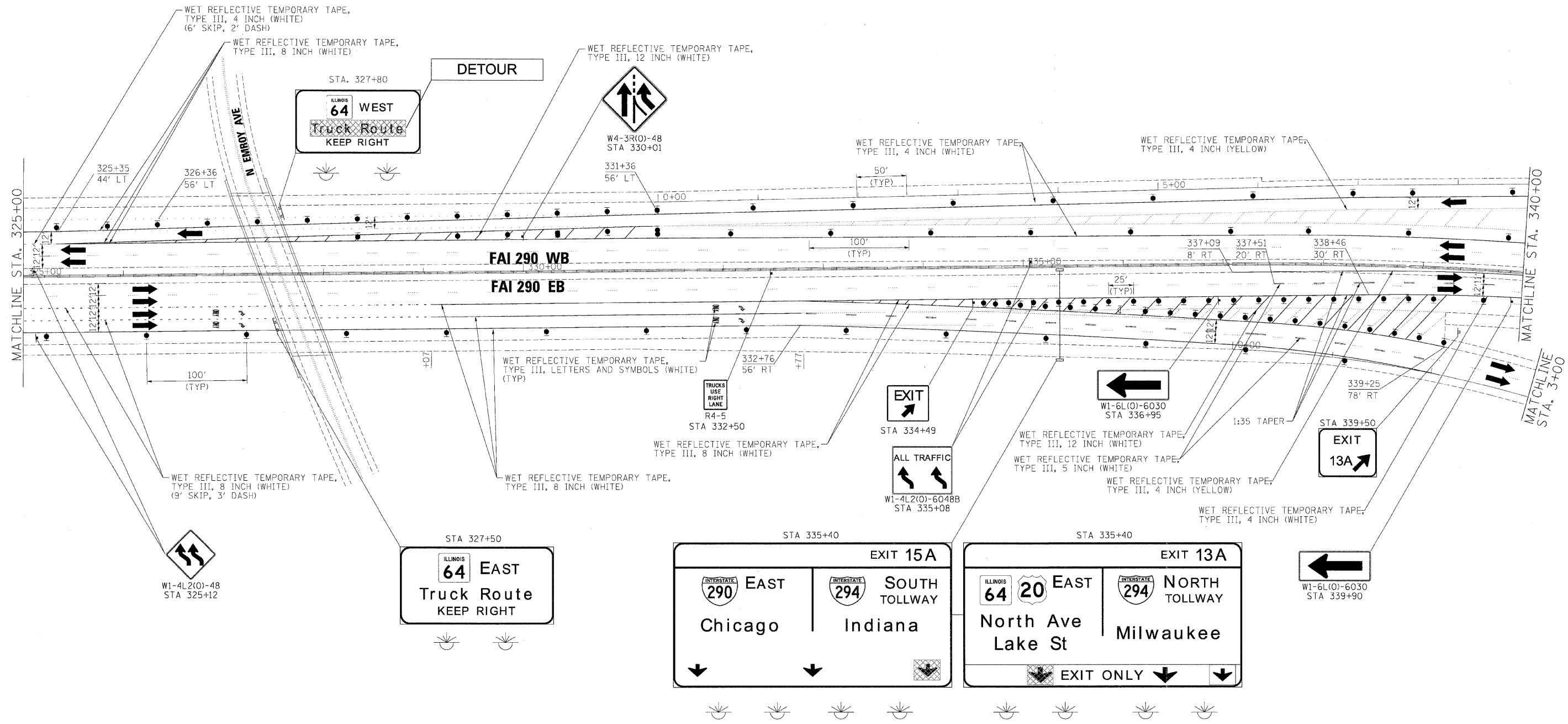
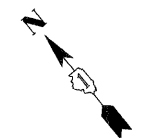
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
PLAN - STAGE 1**

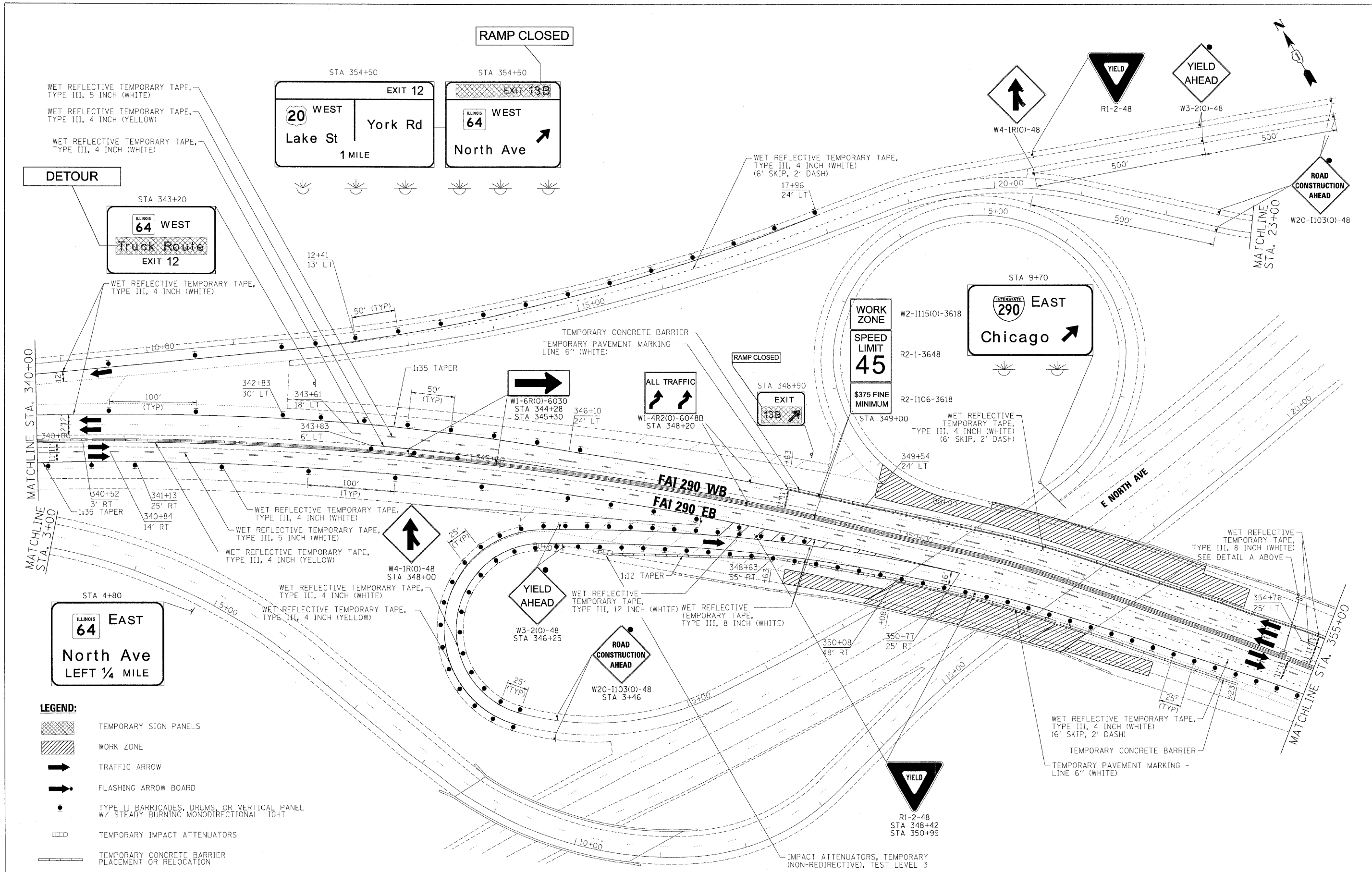
SCALE: 1"=50' SHEET NO. 14 OF 69 SHEETS STA. TO STA.

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



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 64 WEST  
 Truck Route  
 EXIT 12

STA 354+50

EXIT 12

WEST York Rd  
 Lake St 1 MILE

EXIT 13B

WEST 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 64 EAST  
 North Ave  
 LEFT 1/4 MILE

WORK ZONE

SPEED LIMIT 45

\$375 FINE MINIMUM

W2-1115(0)-3618

R2-1-3648

R2-1106-3618

STA 349+00

STA 9+70

INTERSTATE 290 EAST  
 Chicago

- 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 -
...prpln_ABC_C4_298_mot_ST_1.52.dgn	DRAWN - TMB	REVISED -
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PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

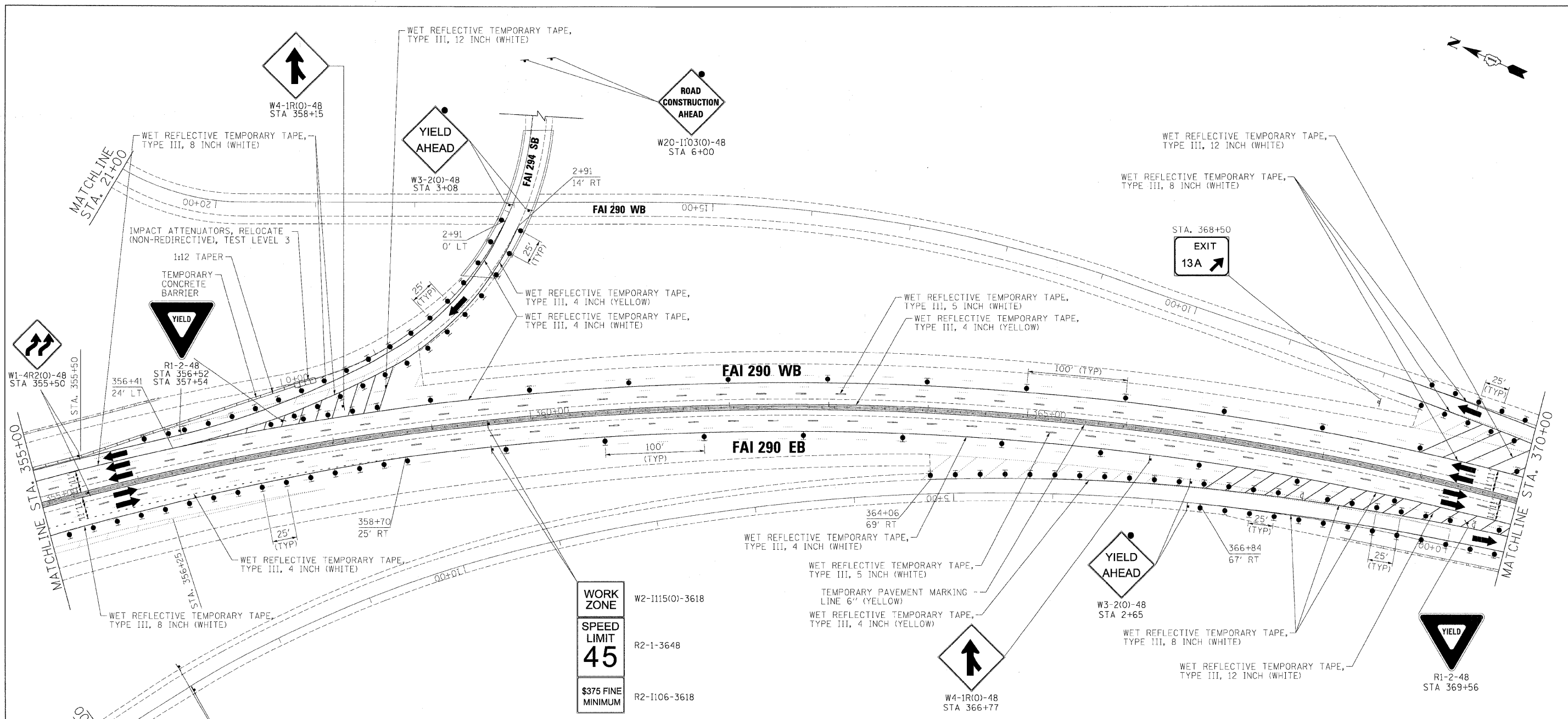
**benesch**

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
 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
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60157		



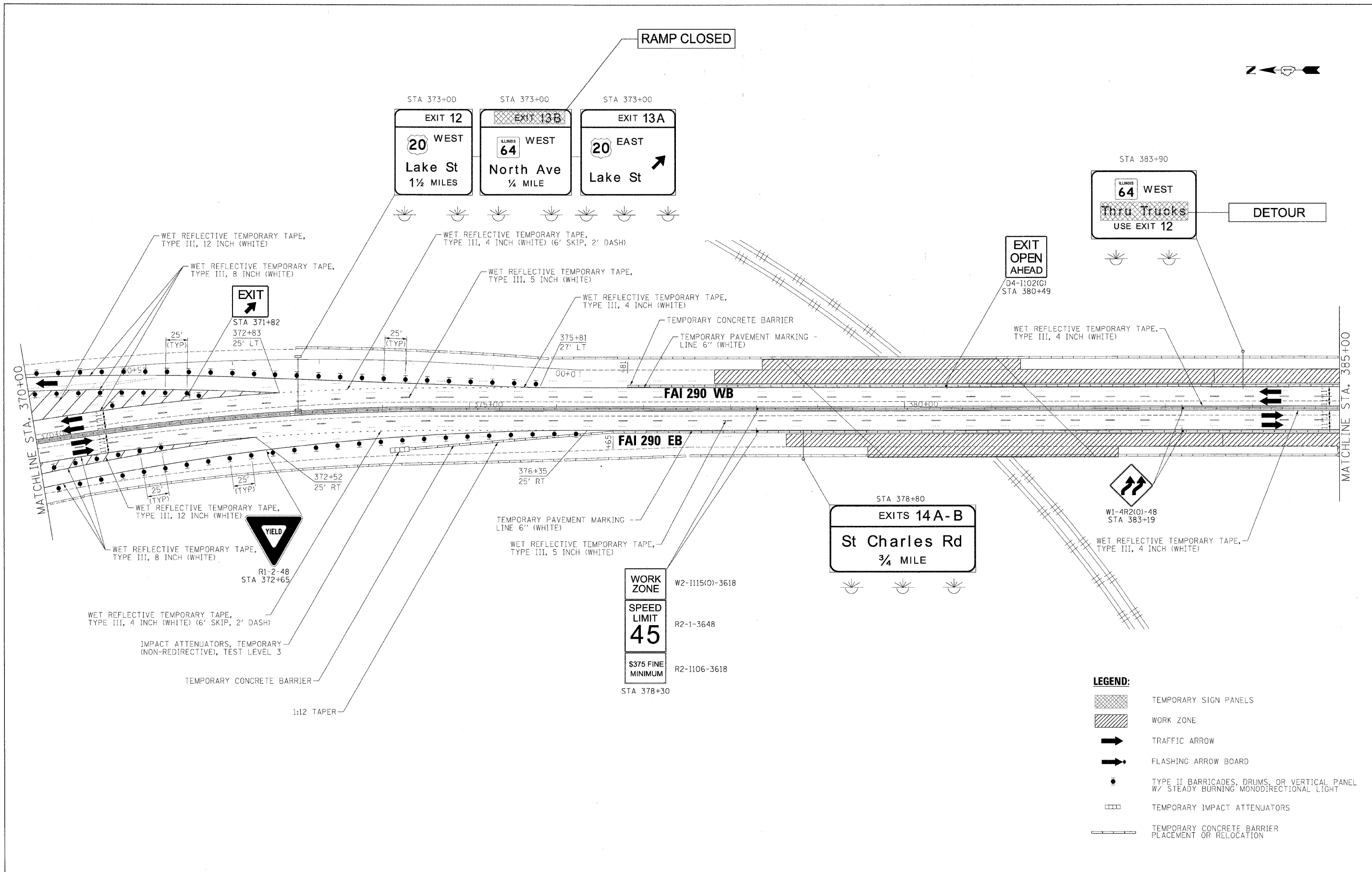
**LEGEND:**

- 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

**WORK ZONE**  
**SPEED LIMIT 45**  
**\$375 FINE MINIMUM**

W2-1115(0)-3618  
R2-1-3648  
R2-1106-3618  
STA 359+57

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC PLAN - STAGE 1</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...prpIn_ABC.C4.298_mot.ST.1.53.dgn	DRAWN - TMB	REVISED -			290	2009-0998R	COOK/DUPAGE	309	62			
USER NAME = tbank	CHECKED - JJT	REVISED -			CONTRACT NO. 60157							
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			SCALE: 1"=50'	SHEET NO. 17 OF 69 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



FILE NAME =	DESIGNED - AJP	REVISED -
...:\orpln\ABC_C4_298_mot.ST.1.55.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  
PLAN - STAGE 1**

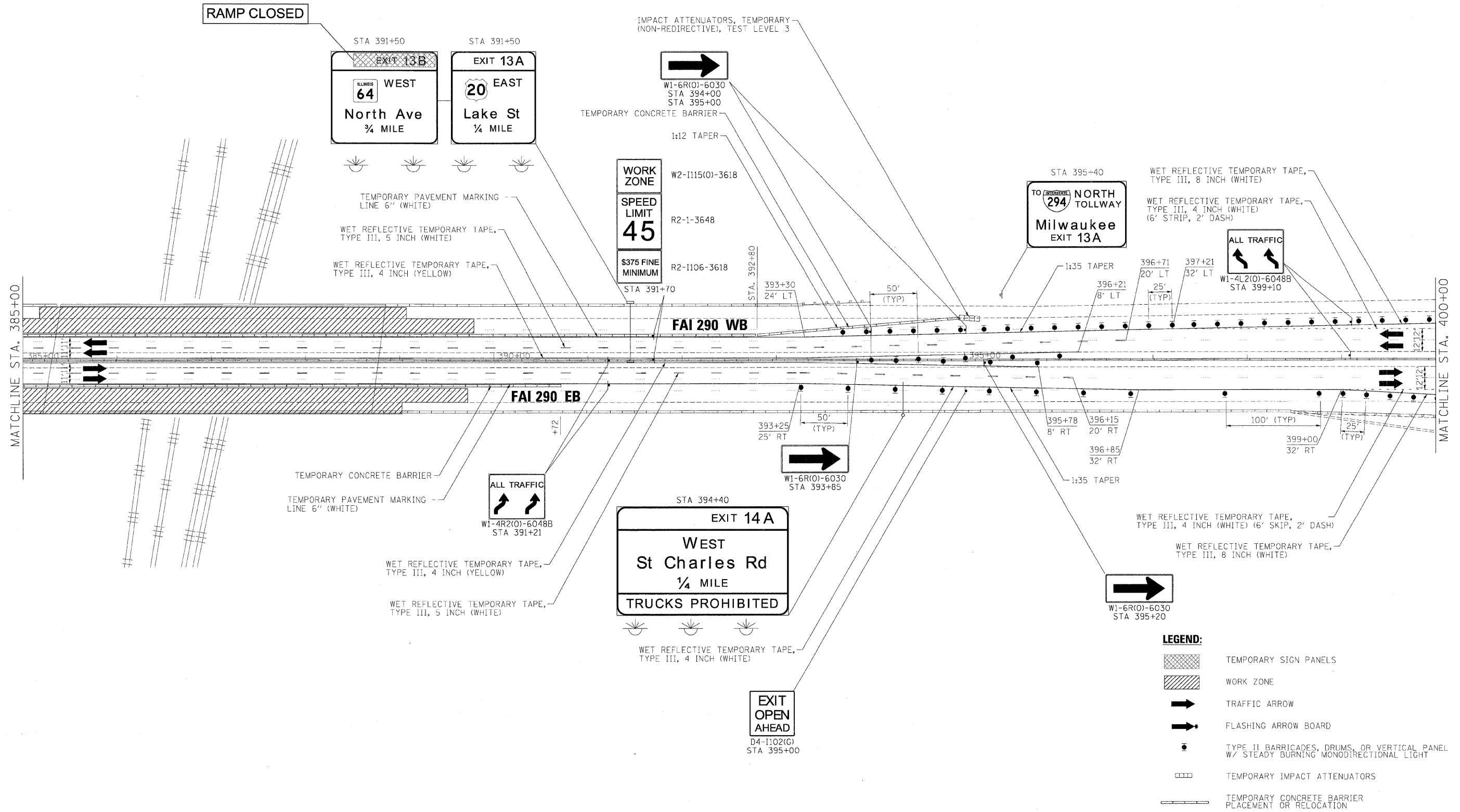
SCALE: 1"=50' SHEET NO. 18 OF 69 SHEETS STA. TO STA.

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





**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**

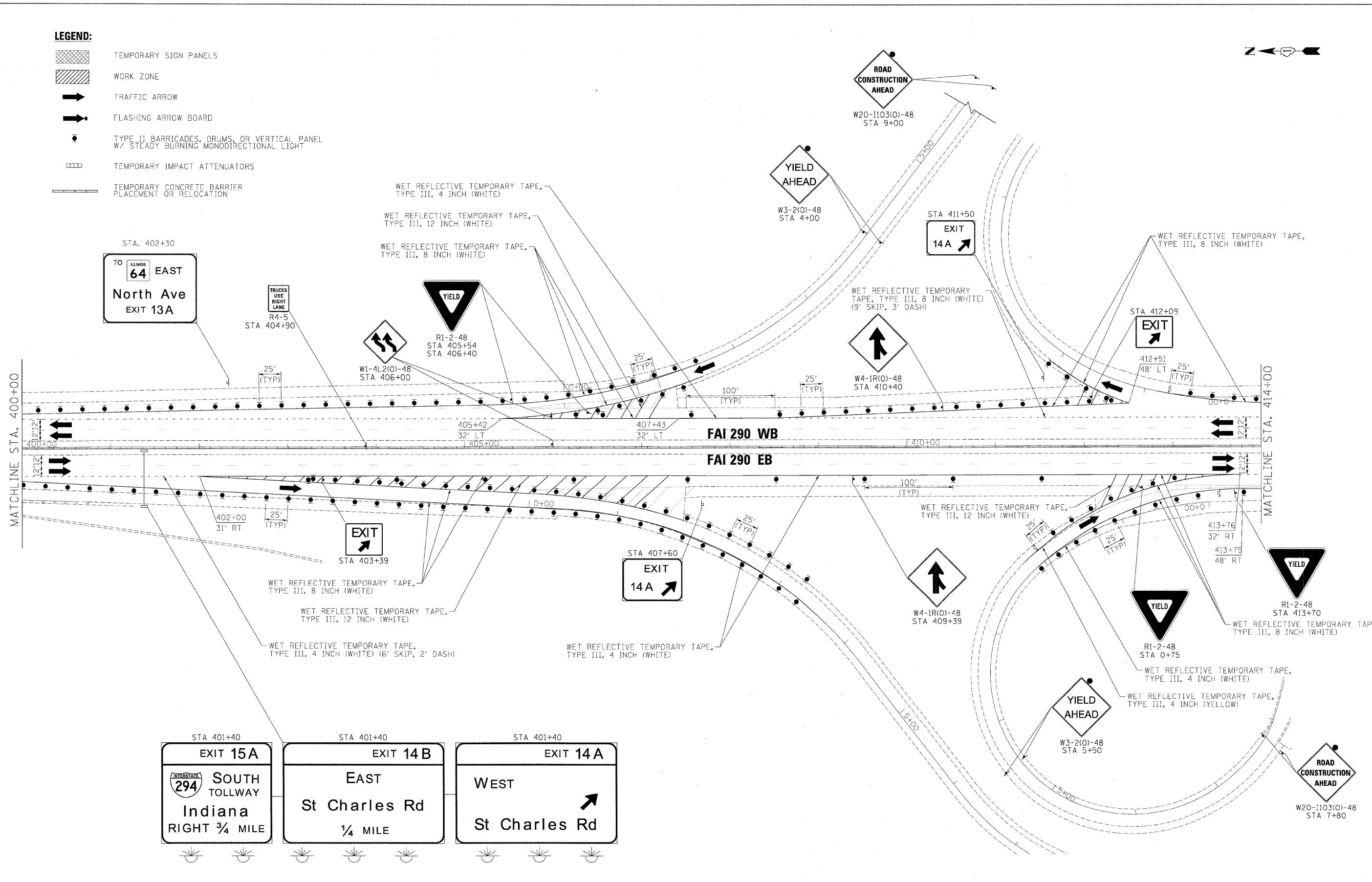
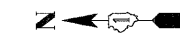
**MAINTENANCE OF TRAFFIC  
PLAN - STAGE 1**


SCALE: 1"=50' SHEET NO. 19 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	64
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	

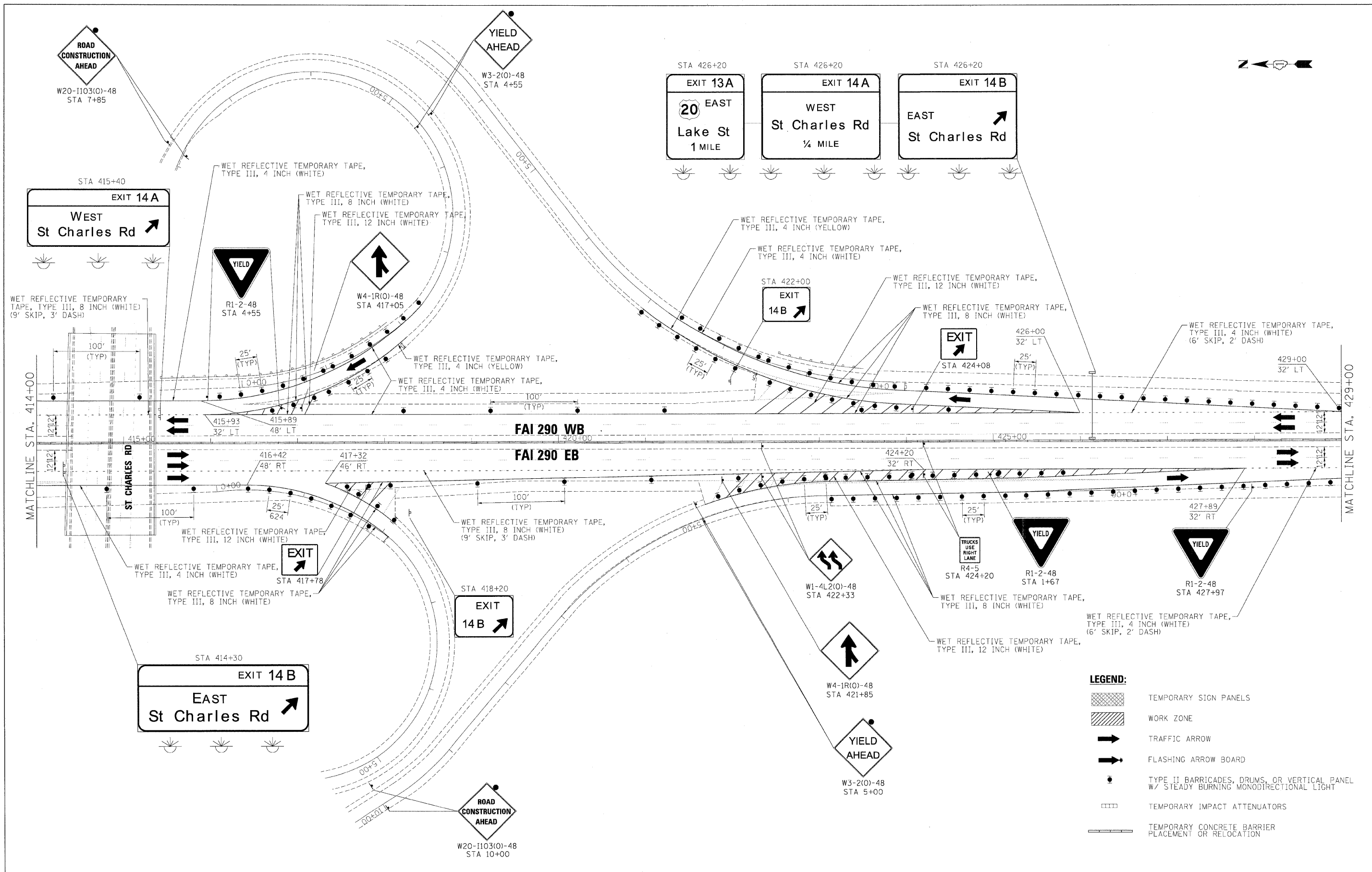
**LEGEND:**

-  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



STA 401+40 <b>EXIT 15A</b>  SOUTH TOLLWAY Indiana RIGHT 3/4 MILE	STA 401+40 <b>EXIT 14B</b> EAST St Charles Rd 1/4 MILE	STA 401+40 <b>EXIT 14A</b> WEST St Charles Rd
--	--	--

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC PLAN - STAGE 1</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...ppp\in_abc_c4_290.mat.ST.1.57.dgn	DRAWN - TMB	REVISED -			290	2009-0999R	COOK/DUPAGE	309	65			
USER NAME = tblank	CHECKED - JJT	REVISED -			CONTRACT NO. 60157							
PLOT DATE = 11/13/2009	DATE = 10/16/09	REVISED -			SCALE: 1"=50'			SHEET NO. 20 OF 69 SHEETS		STA. TO STA.		
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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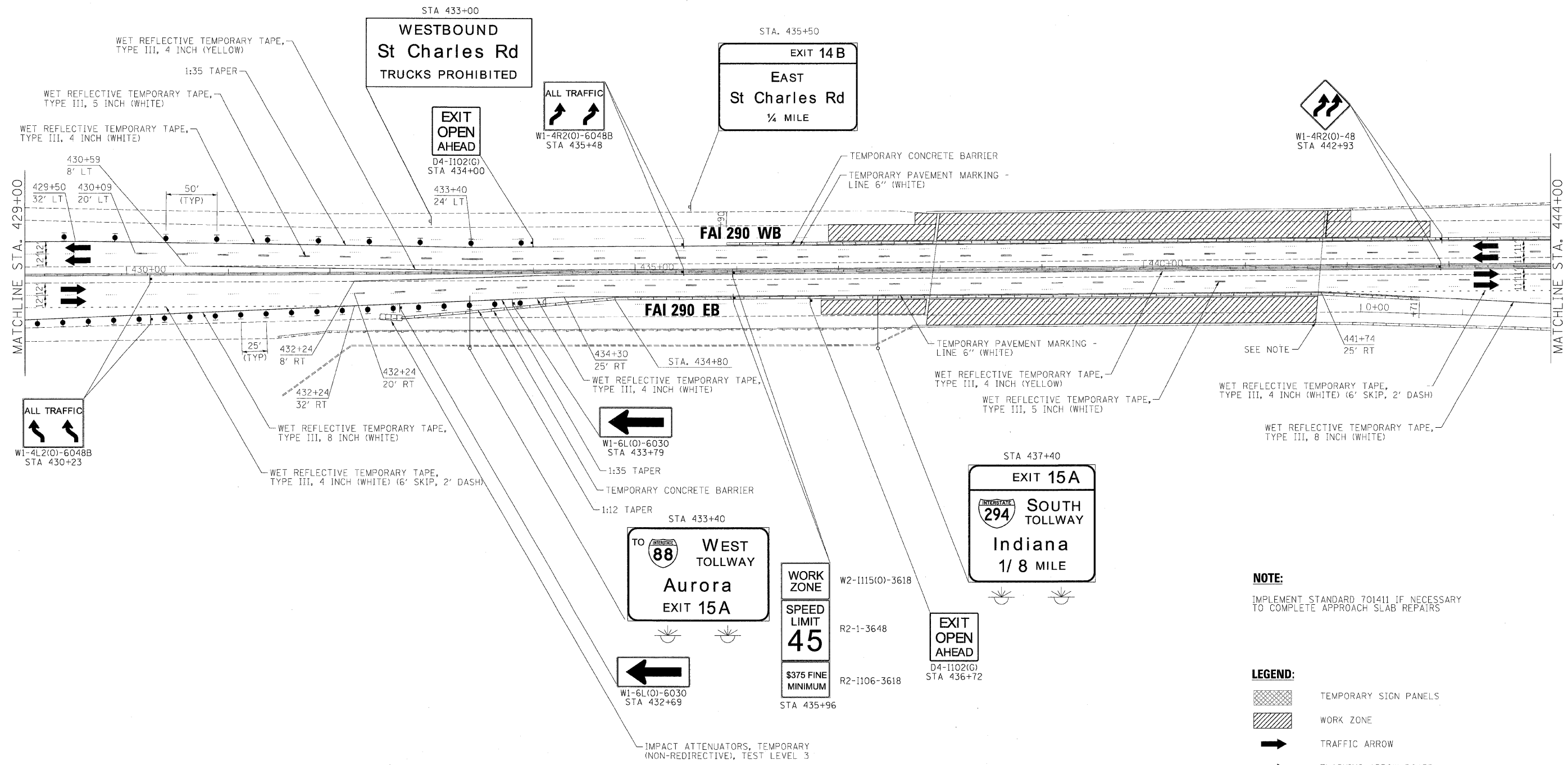
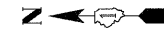
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
PLAN - STAGE 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

FILE NAME =	DESIGNED - AJP	REVISED -
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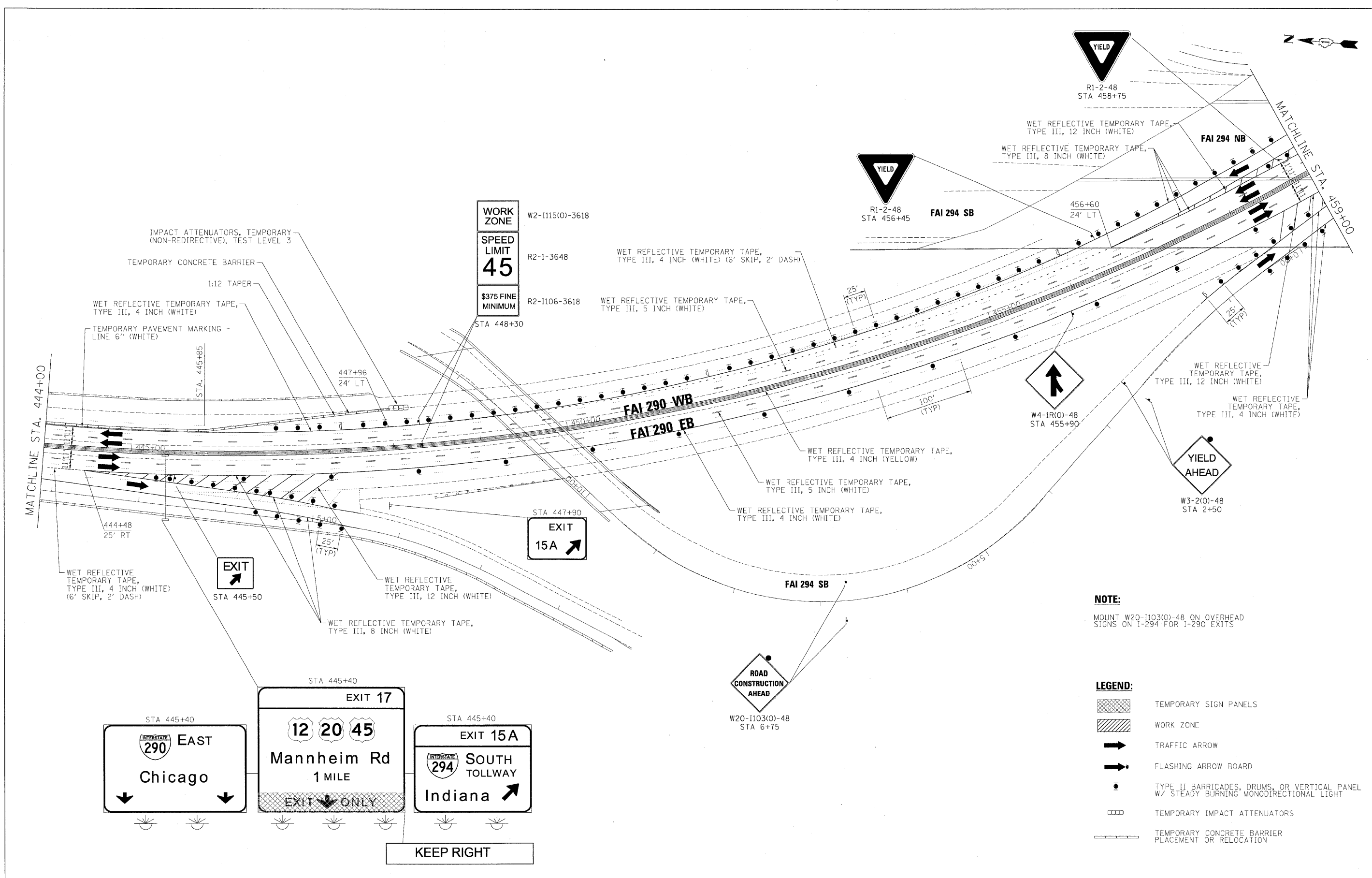
**benesch**

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
 PLAN - STAGE 1**

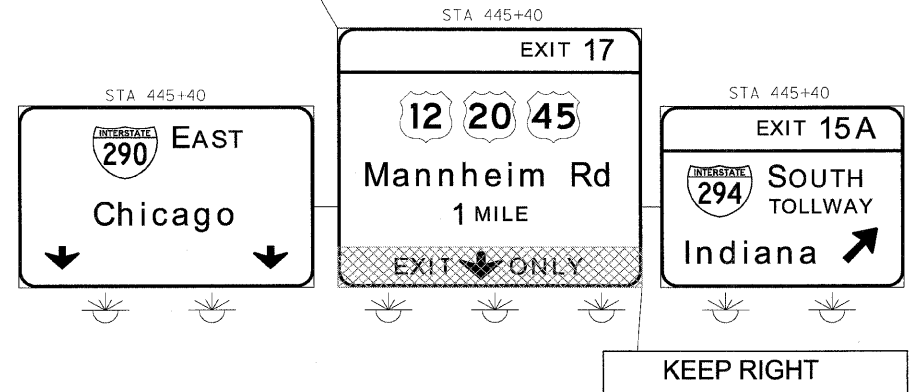
SCALE: 1"=50' SHEET NO. 22 OF 69 SHEETS STA. TO STA.

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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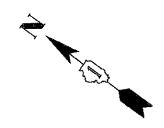
**benesch**

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

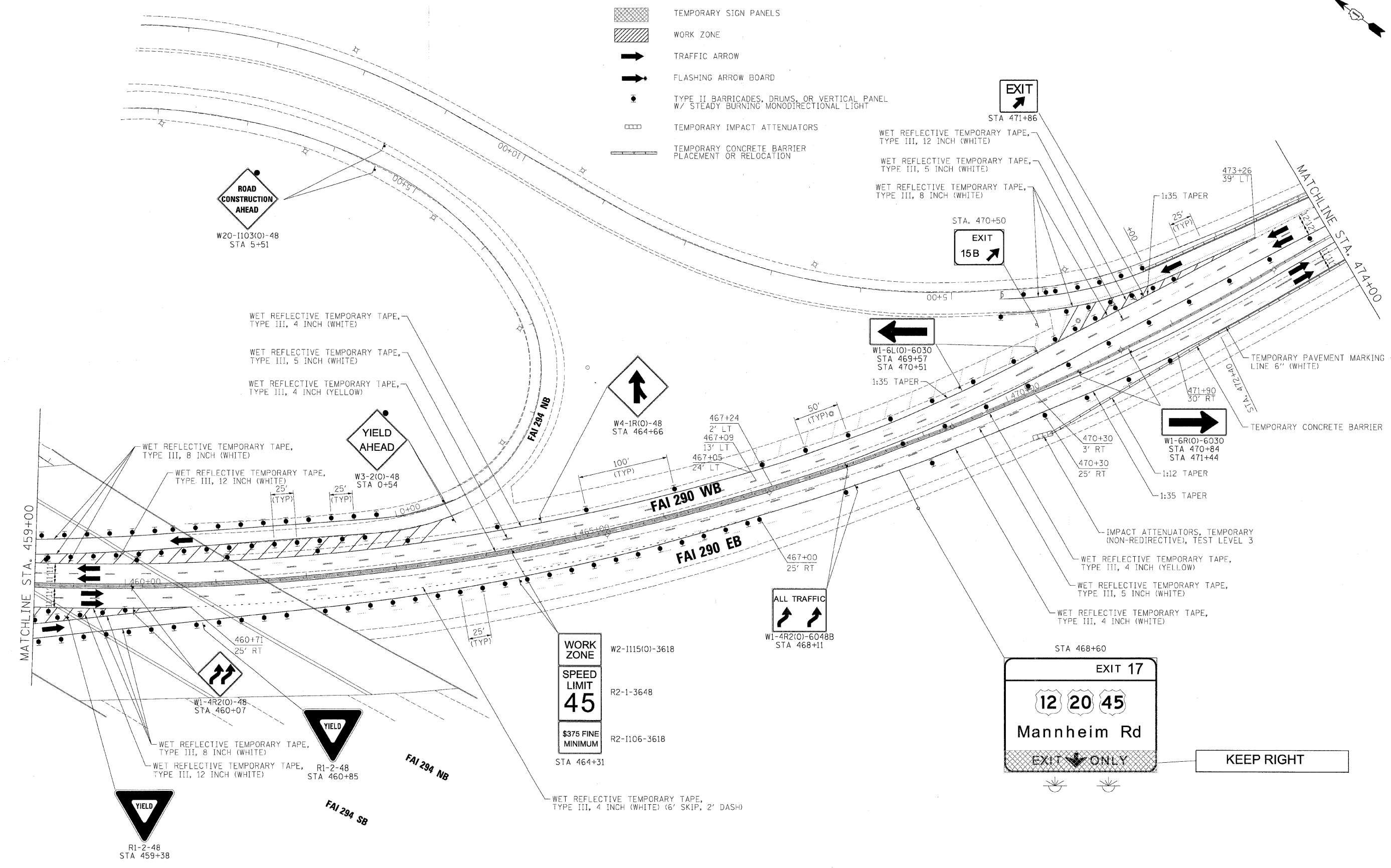
**MAINTENANCE OF TRAFFIC  
 PLAN - STAGE 1**

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

**benesch**

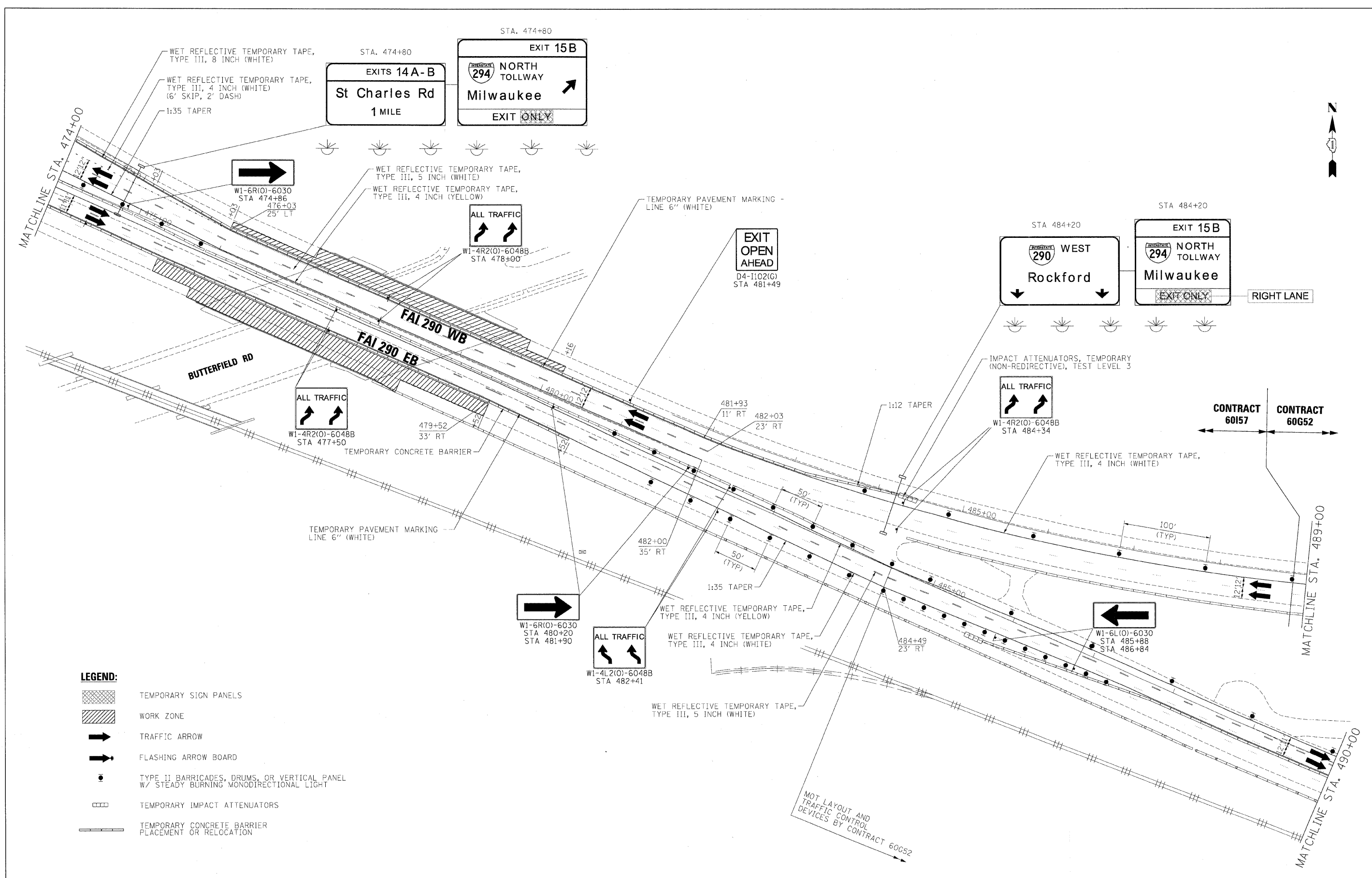
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
PLAN - STAGE 1**

SCALE: 1"=50' SHEET NO. 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**

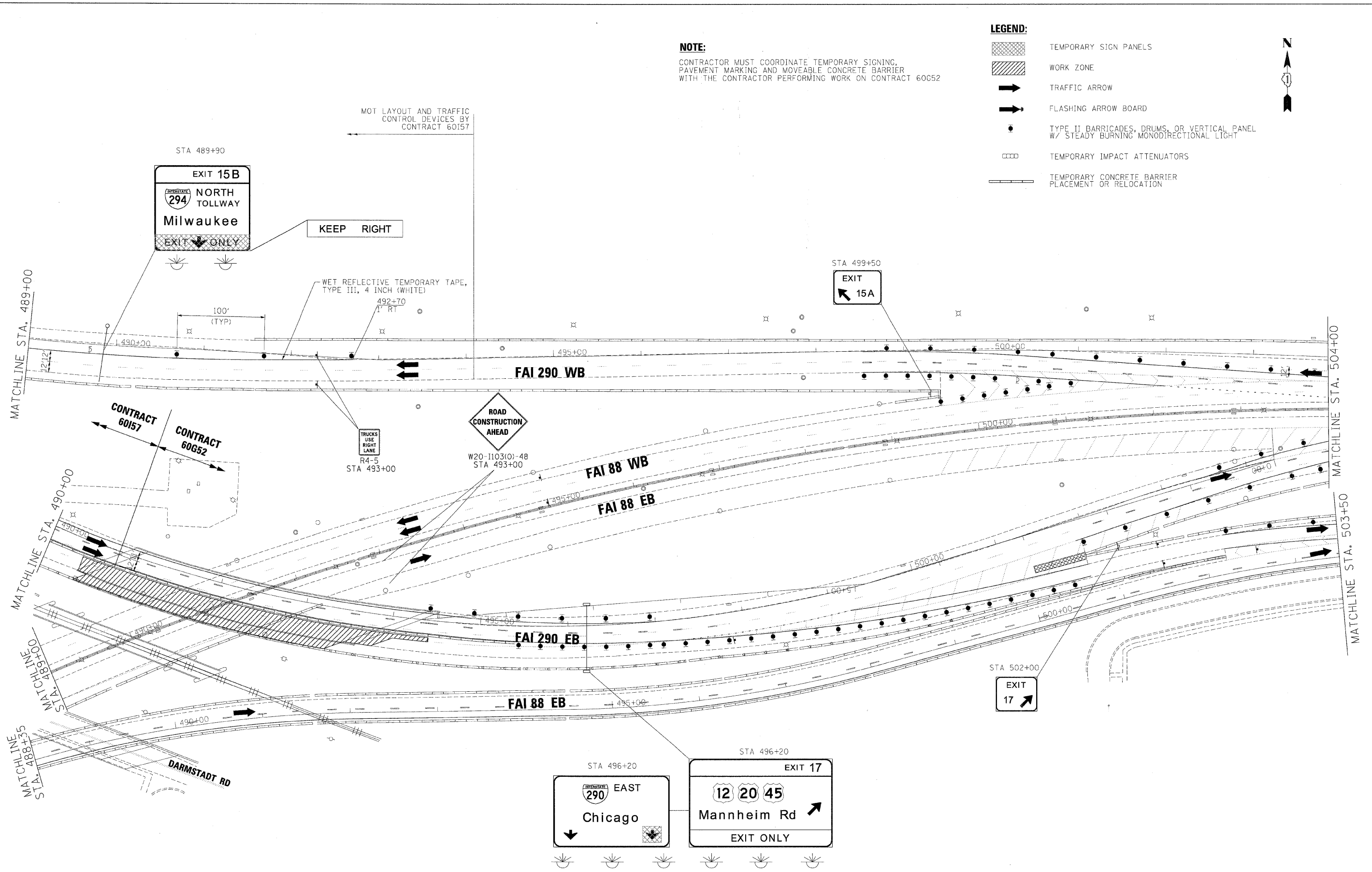
**MAINTENANCE OF TRAFFIC  
PLAN - STAGE 1**

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
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 60G52	

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

**benesch**

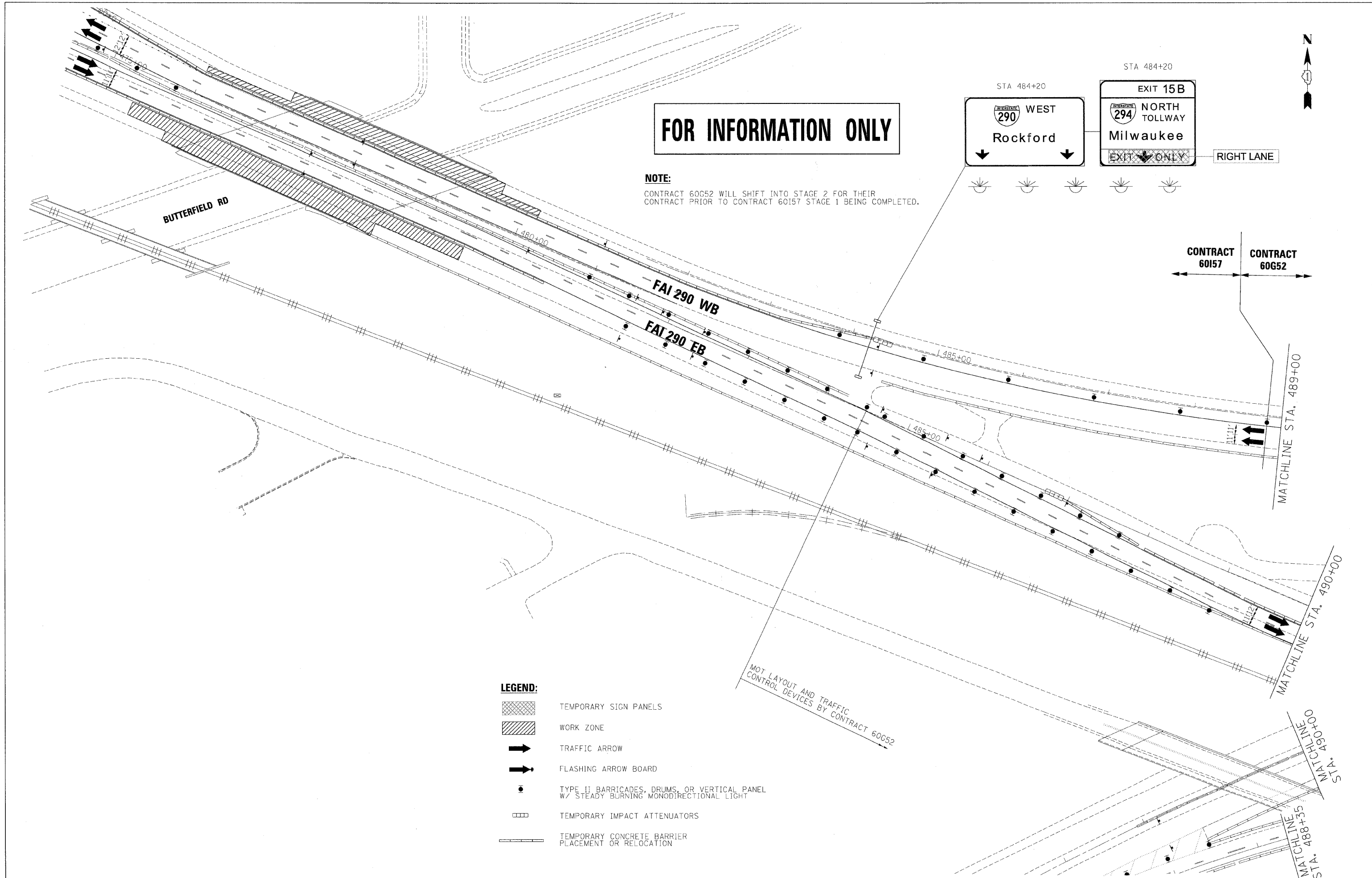
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
 PLAN - STAGE 1**

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

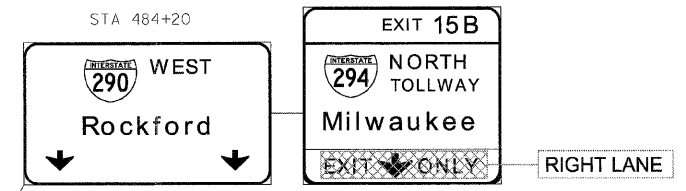
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	71
CONTRACT NO. 60I57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





**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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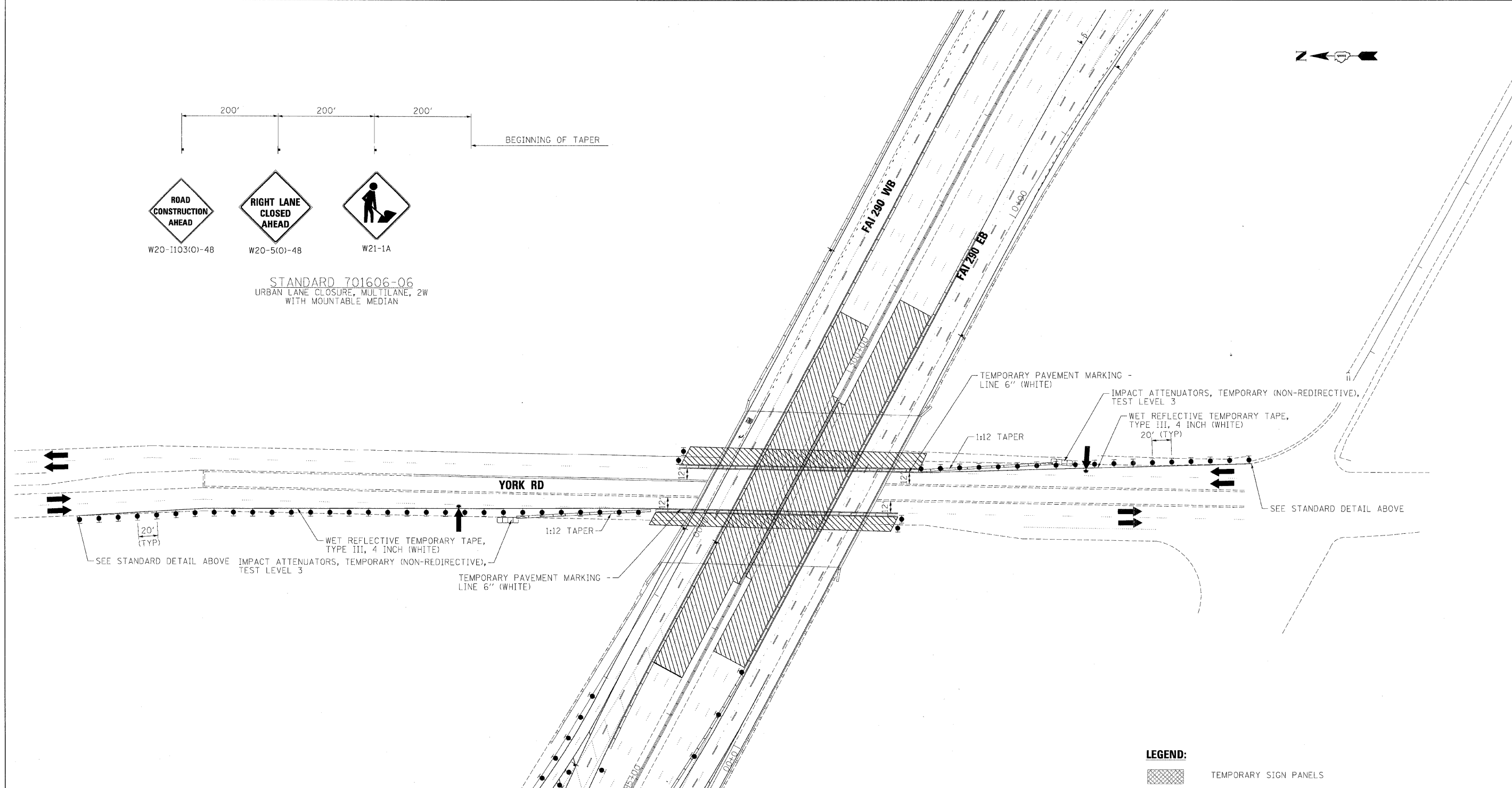
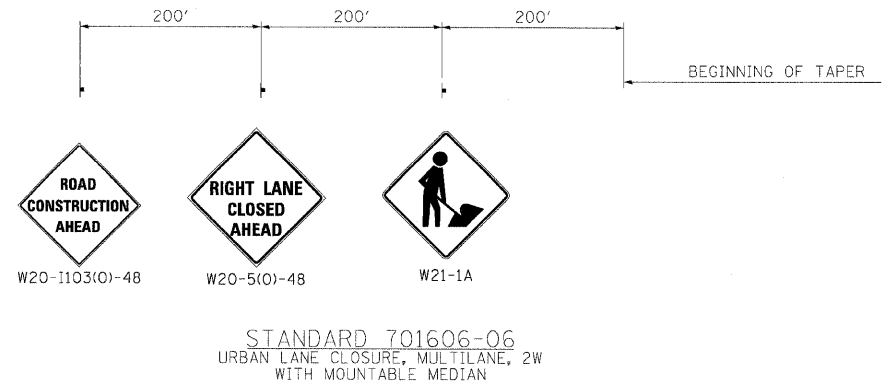
**benesch**

**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 -
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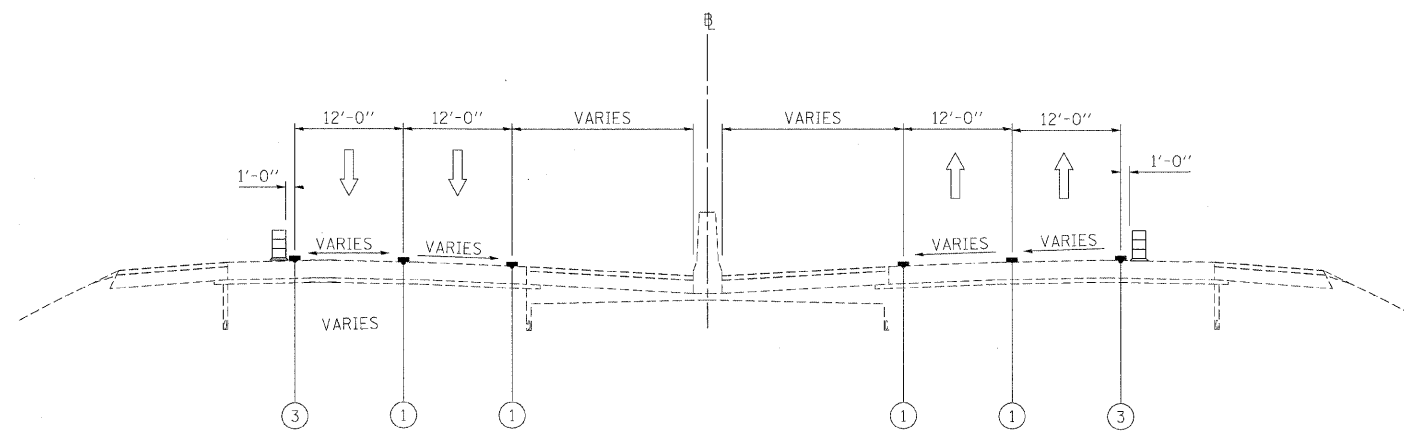
**benesch**

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

FILE NAME =	DESIGNED - AJP	REVISED -
...\\prpln-ABC\C4\ml\mot.typ.st.2.01.dgn	DRAWN - TMB	REVISED -
USER NAME - tblank	CHECKED - JJT	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

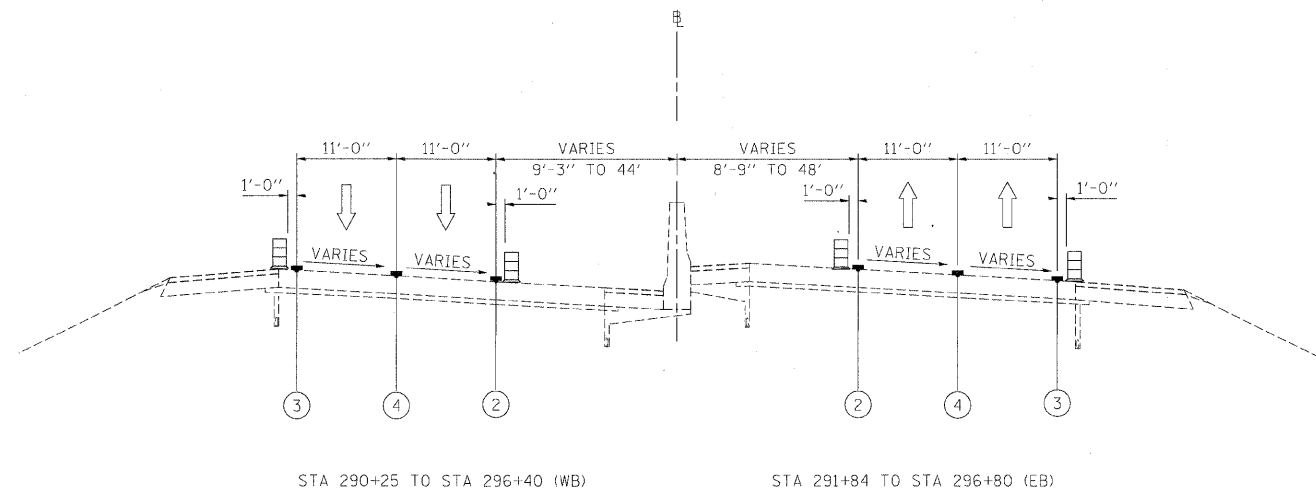
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
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
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60157	



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

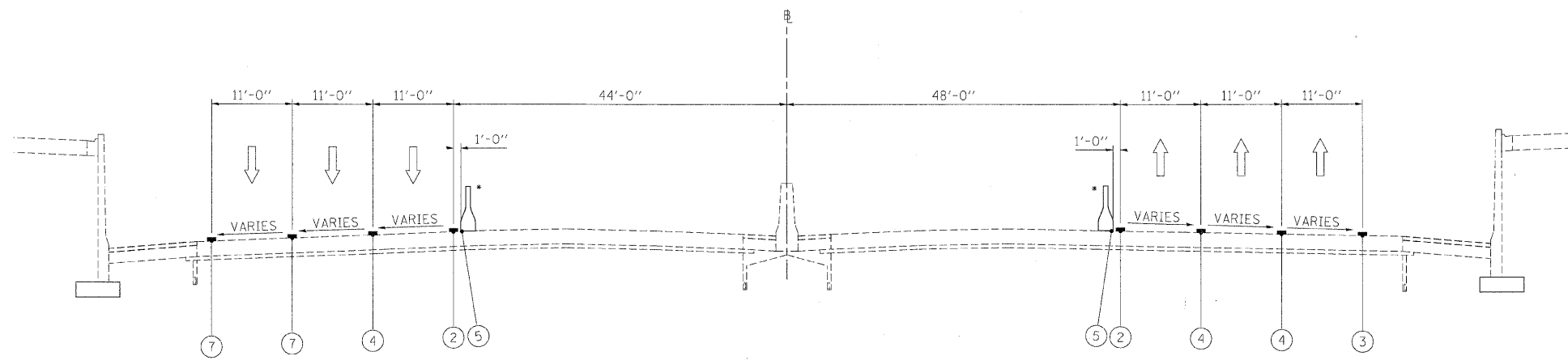
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
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	

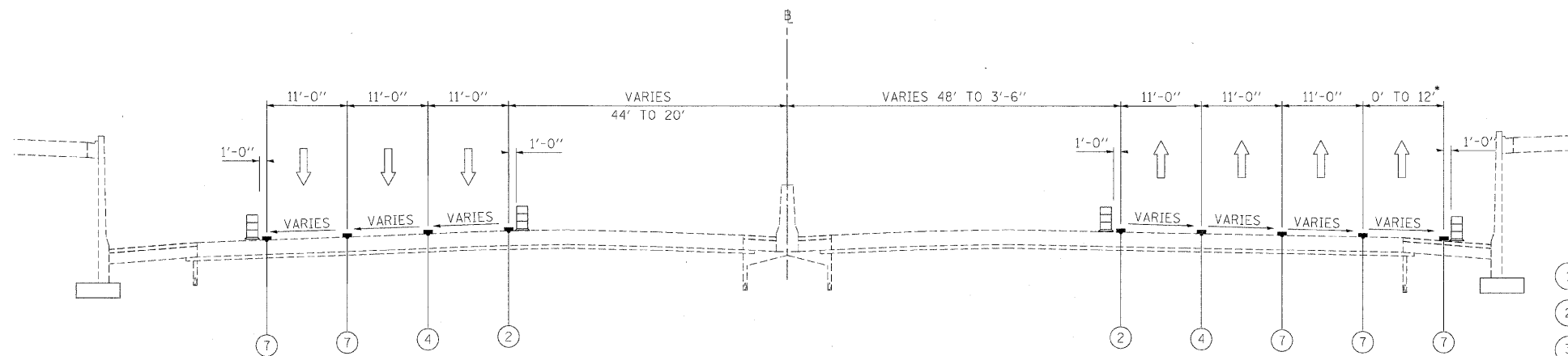


**I-290 MAINTENANCE OF TRAFFIC  
TYPICAL SECTION  
STAGE 2**

STA 296+40 TO STA 304+00 (WB) BRIDGE OMISSION  
STA 296+40 TO STA 300+56

STA 296+80 TO STA 306+10 (EB) BRIDGE OMISSION  
STA 296+80 TO STA 300+90

\* TEMPORARY CONCRETE BARRIER STA 294+88 TO STA 303+90



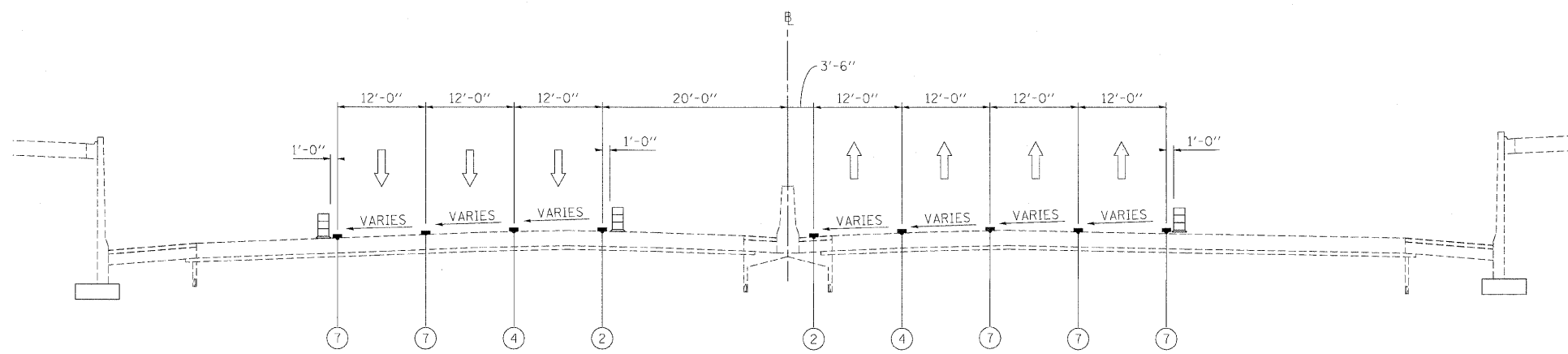
**I-290 MAINTENANCE OF TRAFFIC  
TYPICAL SECTION  
STAGE 2**

STA 304+00 TO STA 312+40 (WB)

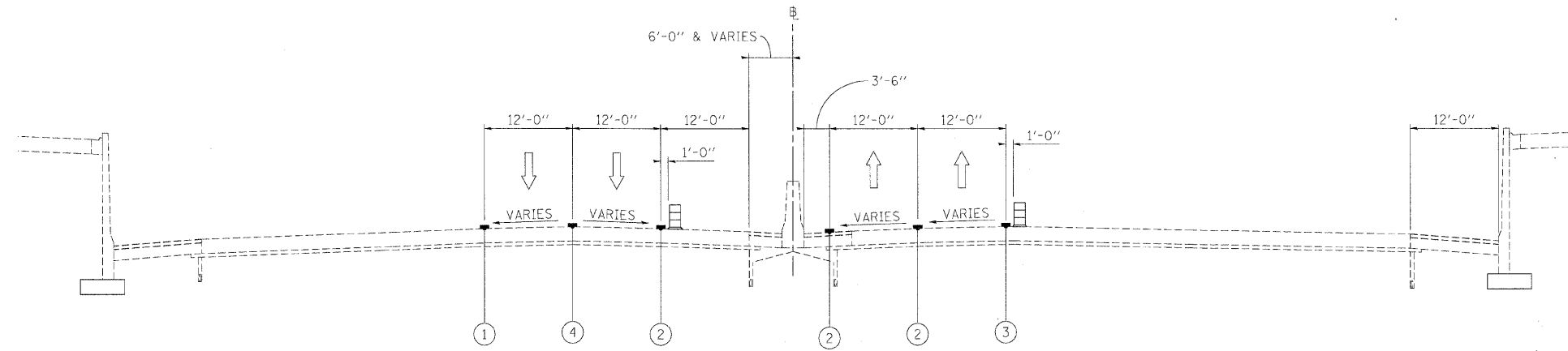
STA 306+10 TO STA 321+70 (EB)  
\*LANE ADDITION BEGINS AT STA. 310+74

- 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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC TYPICAL SECTIONS - STAGE 2</b>			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

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

**benesch**

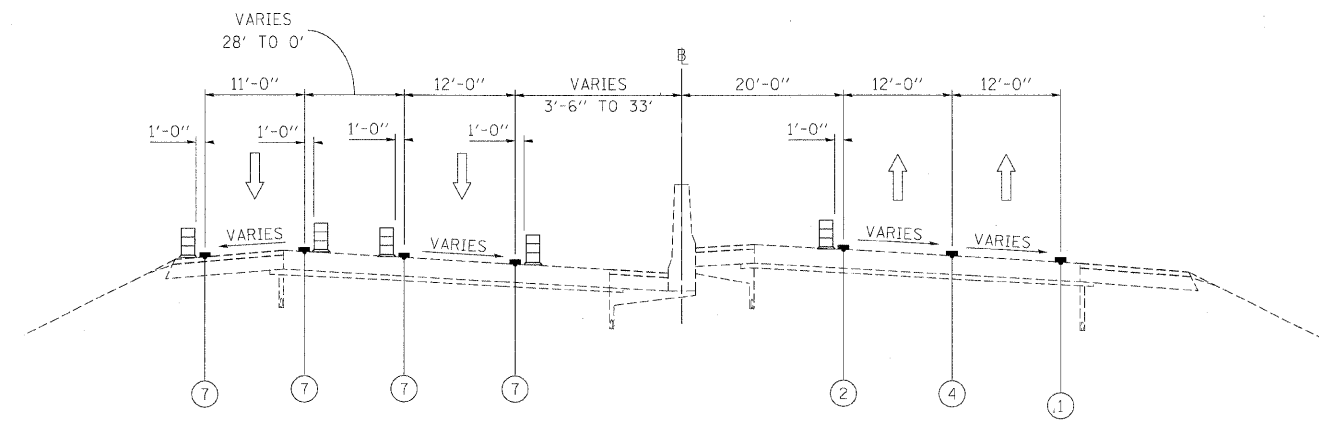
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

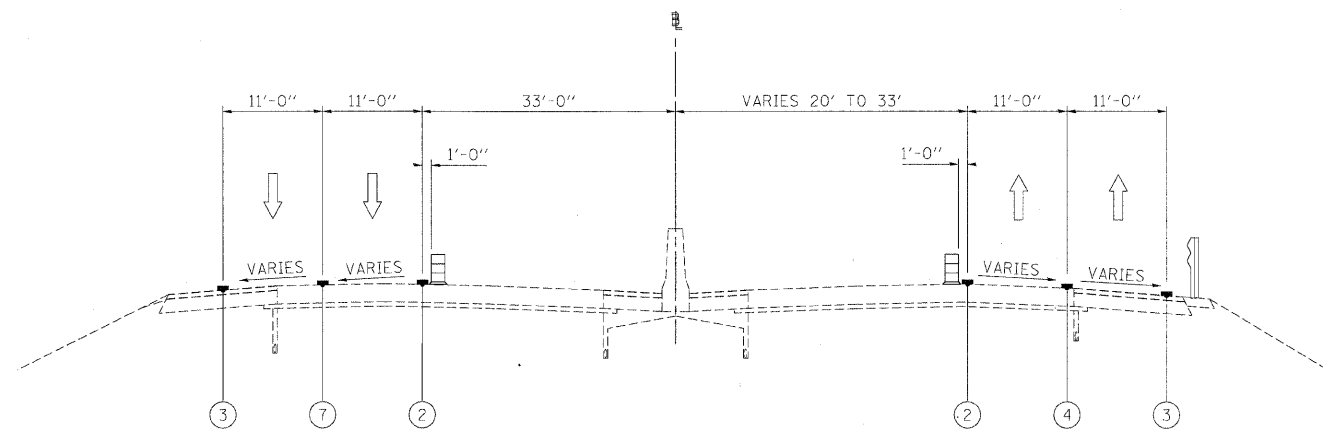
F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099BR	COOK/DUPAGE	309	77
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60157	





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**

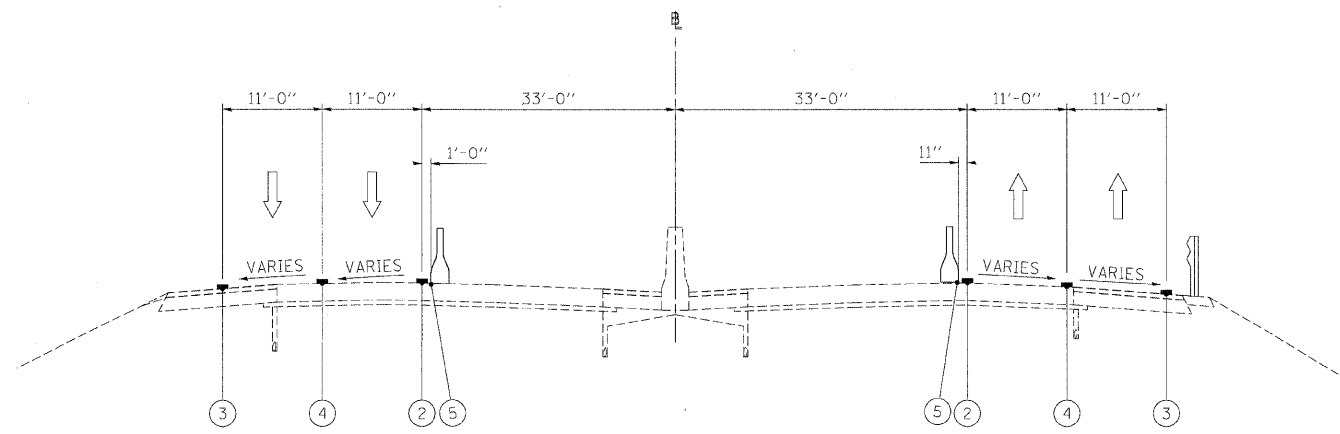
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**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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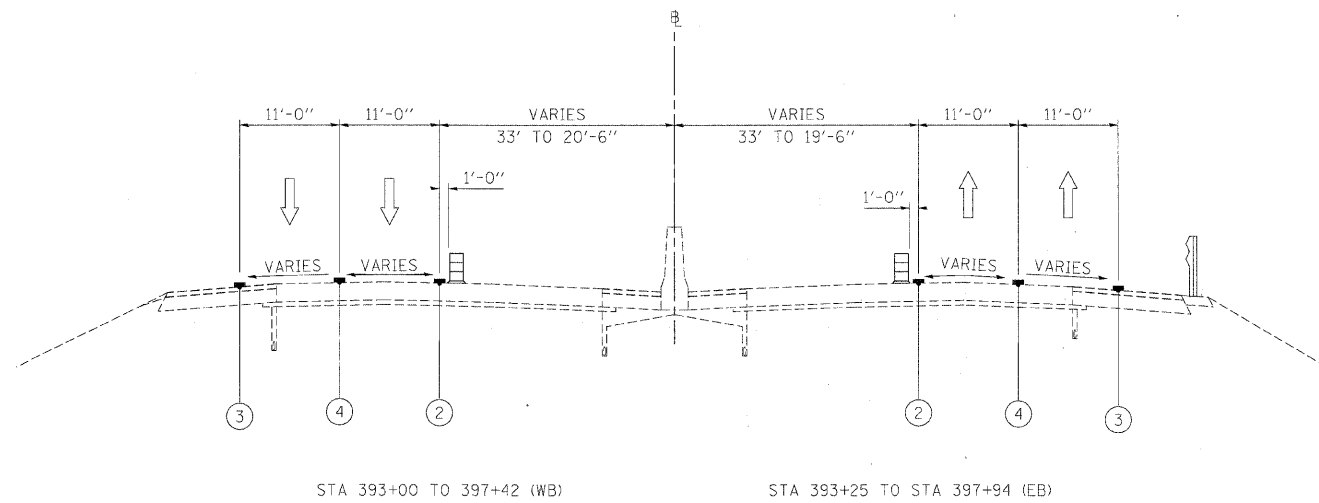
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

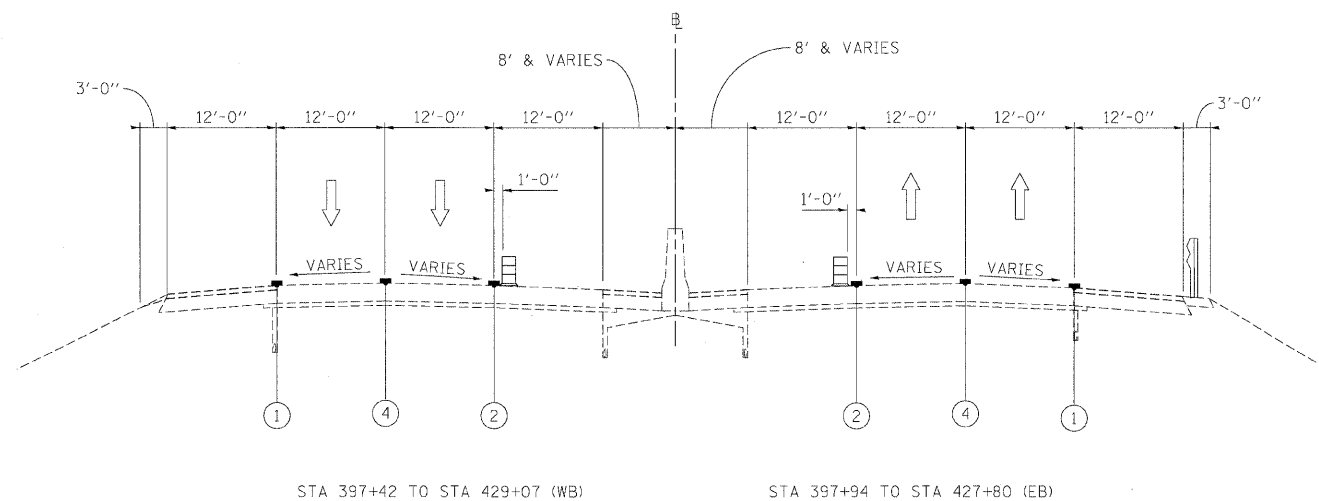
**MAINTENANCE OF TRAFFIC  
TYPICAL SECTIONS - STAGE 2**

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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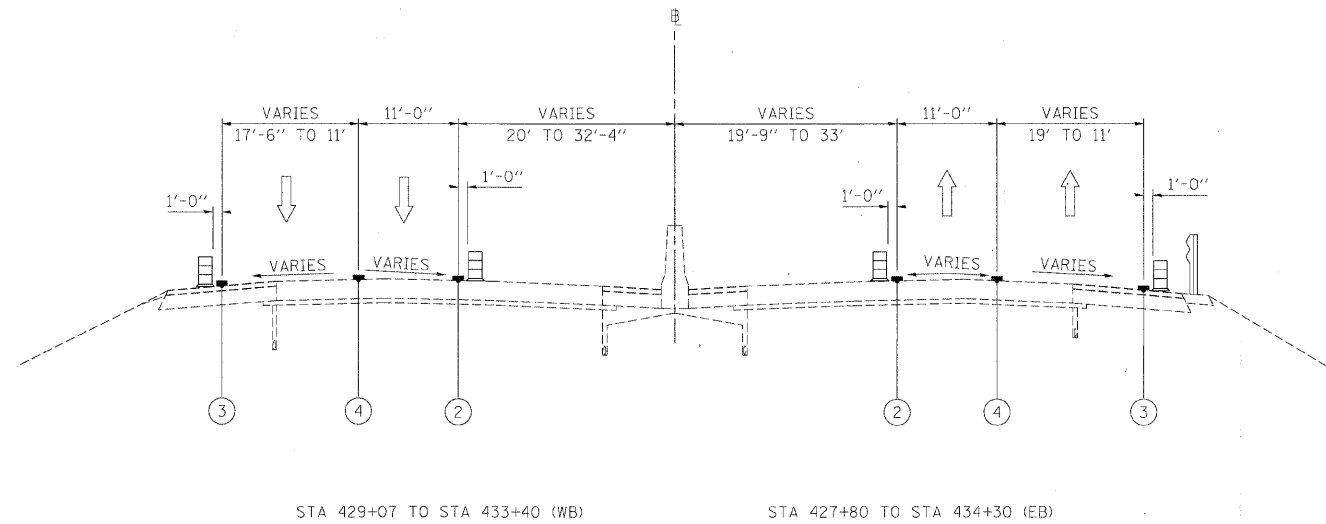
benesch

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

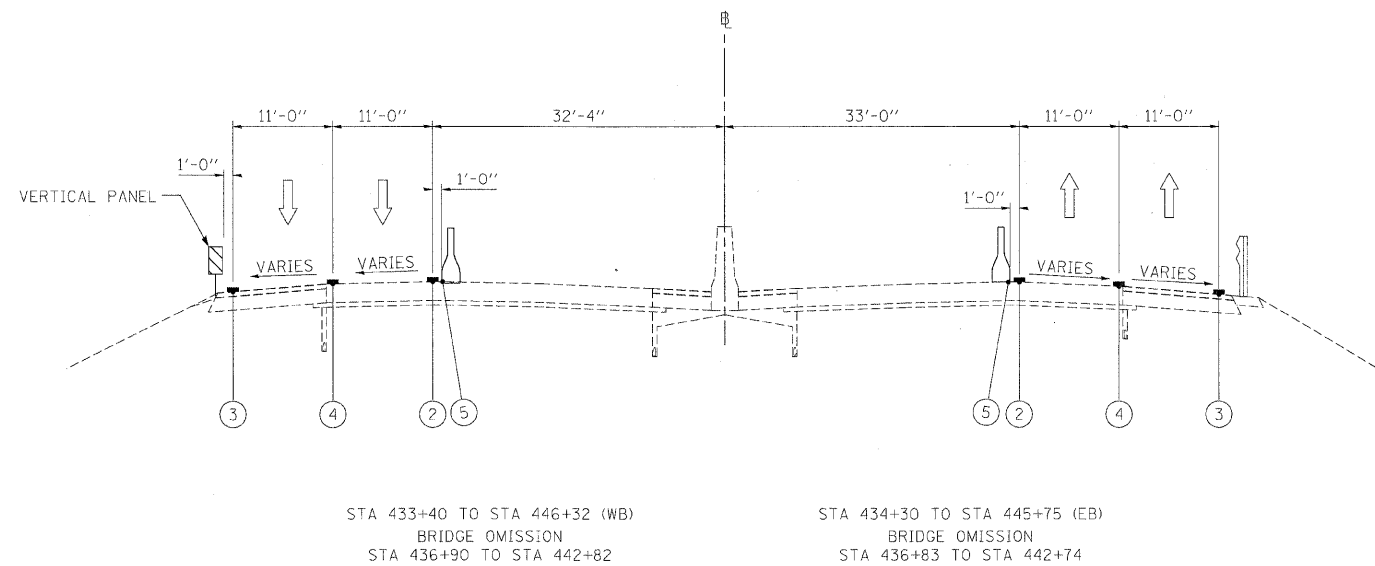
MAINTENANCE OF TRAFFIC  
TYPICAL SECTIONS - STAGE 2

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

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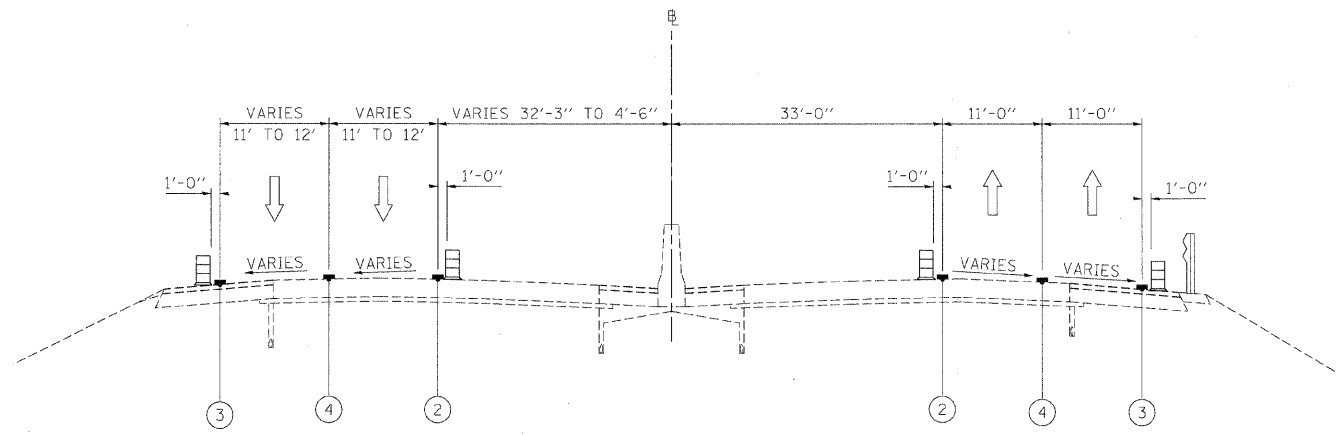
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

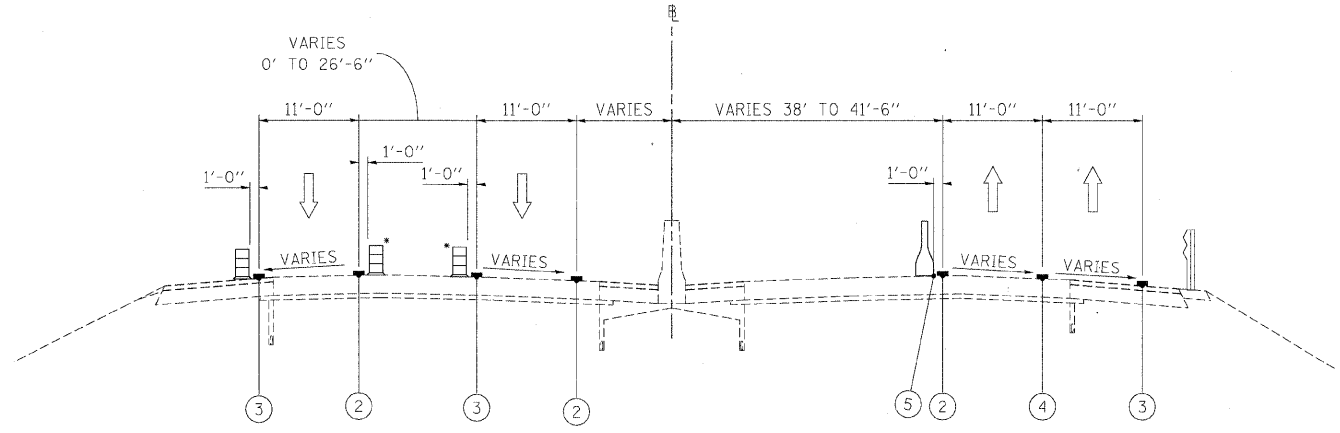
SCALE: N.T.S. SHEET NO. 37 OF 69 SHEETS STA. TO STA.

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 446+32 TO STA 468+71 (WB)      STA 445+75 TO STA 470+15 (EB)



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

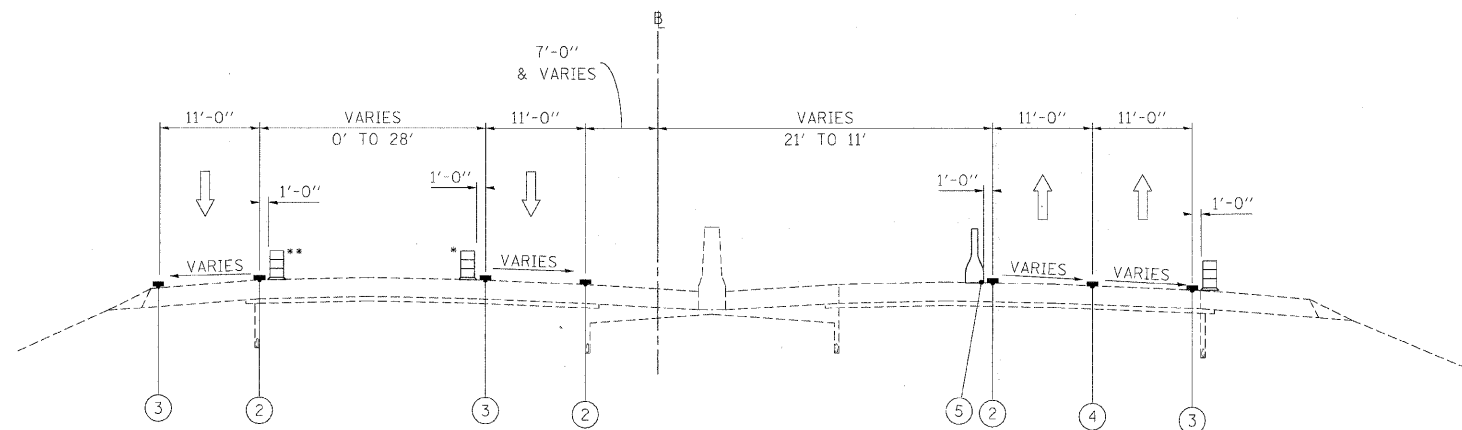
STA 468+71 TO STA 476+03 (WB)      STA 470+15 TO STA 475+39 (EB)

\*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

- 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 -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC TYPICAL SECTIONS - STAGE 2</b>			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							

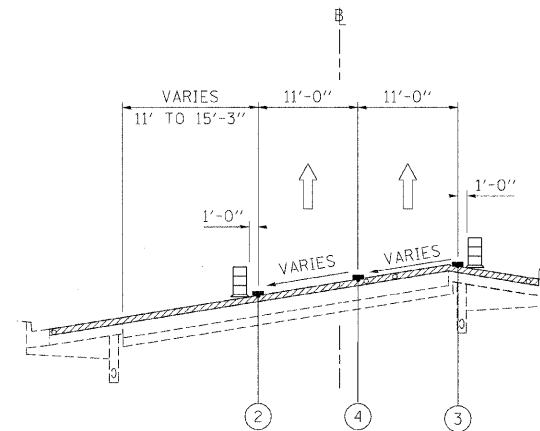


STA 480+16 TO STA 495+05(WB)

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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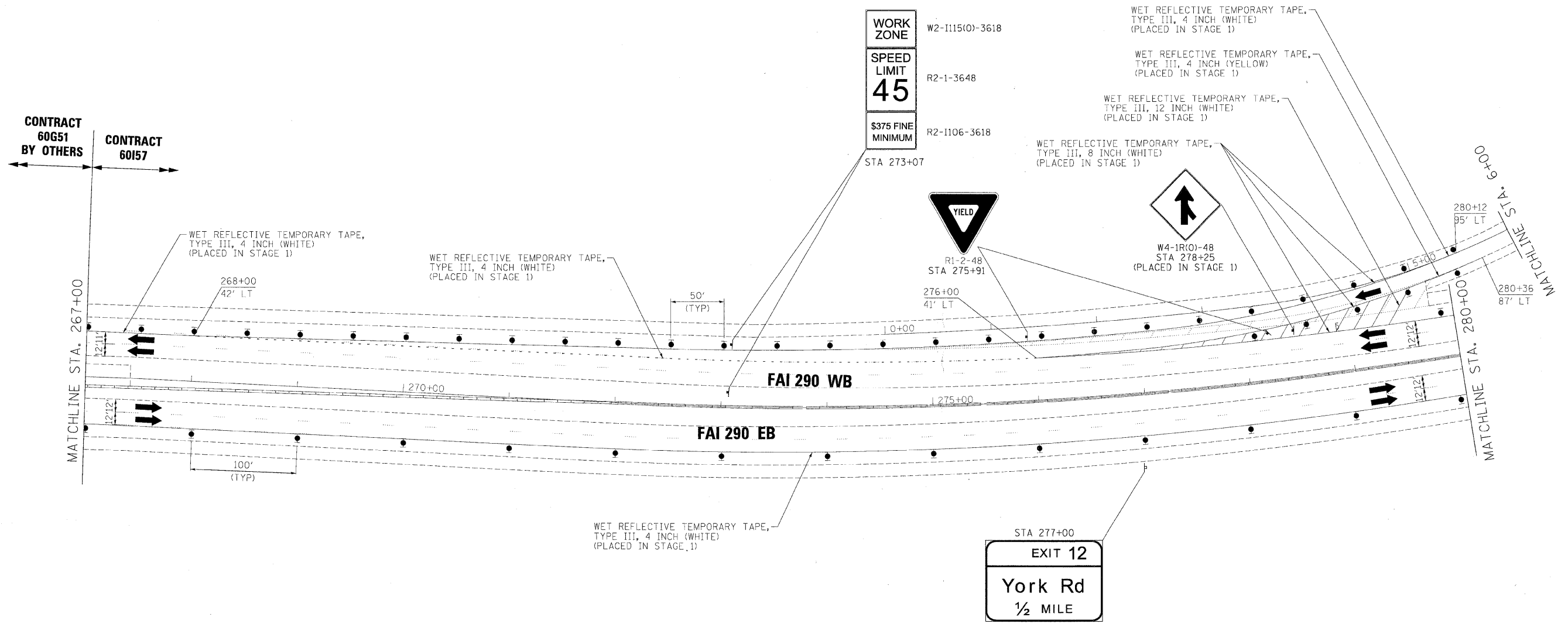
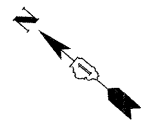
**benesch**

**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
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

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








**benesch**

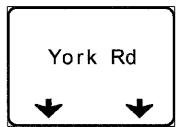
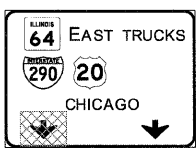
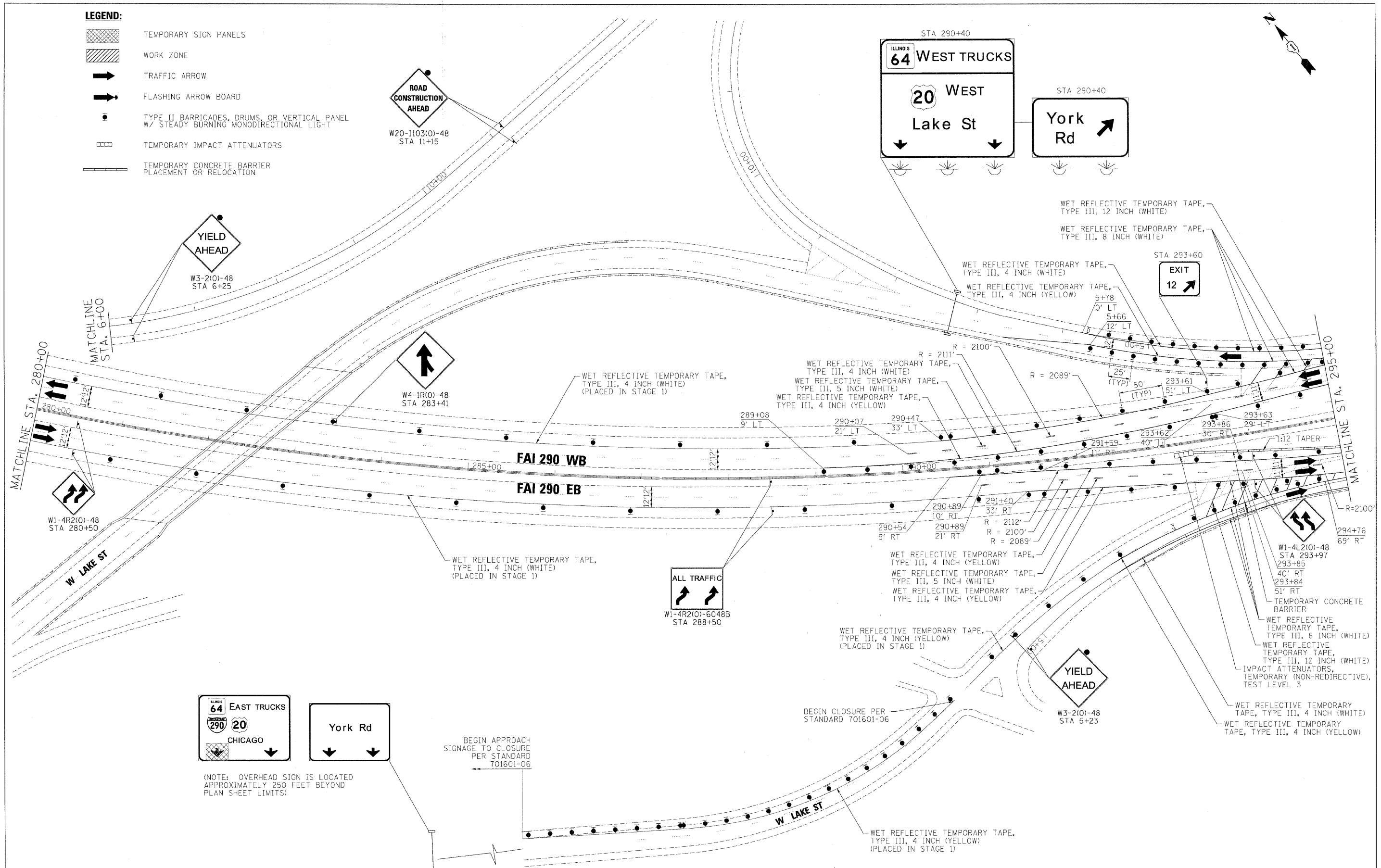
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**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

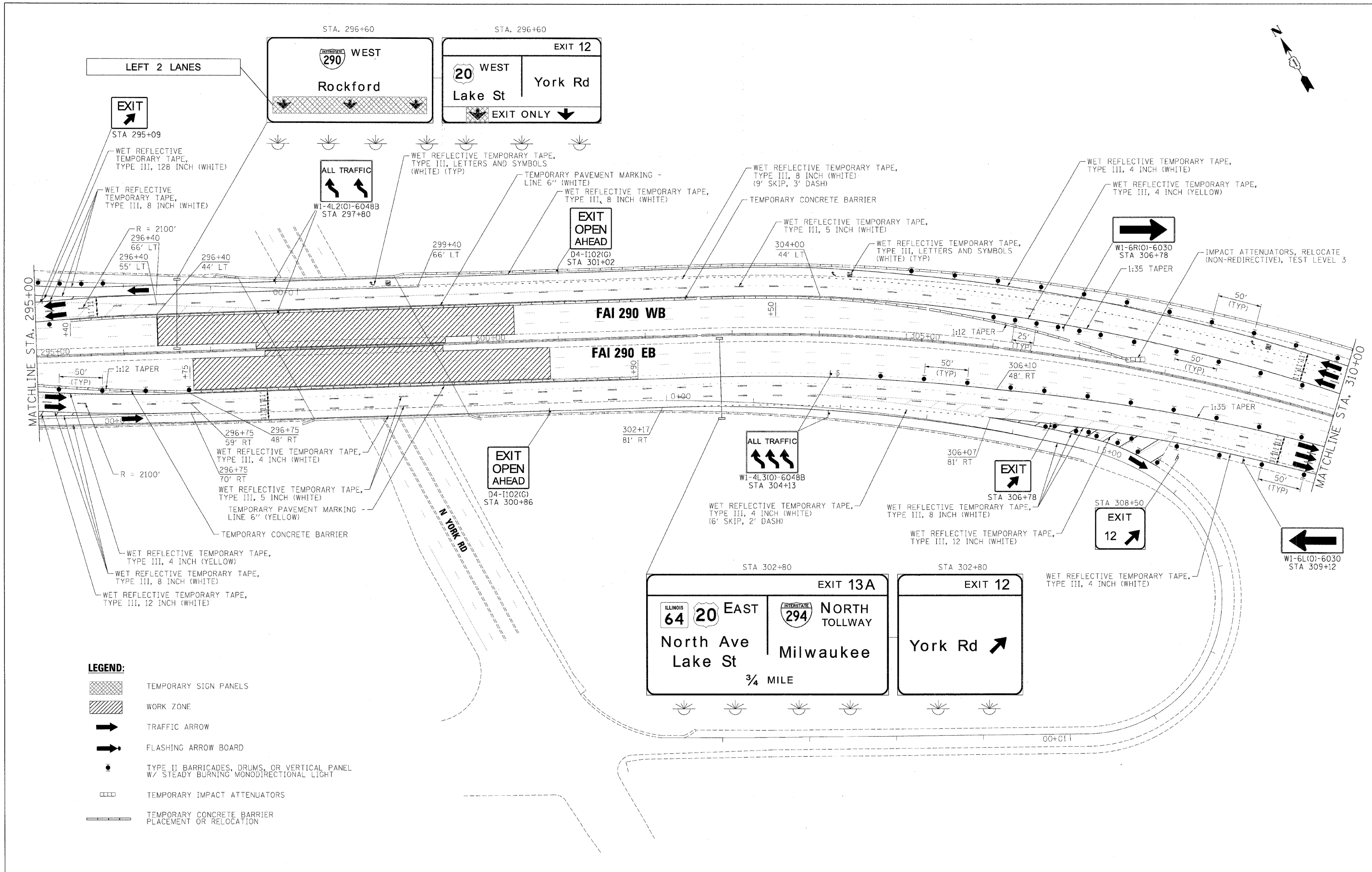
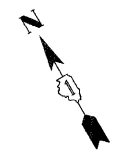


(NOTE: OVERHEAD SIGN IS LOCATED APPROXIMATELY 250 FEET BEYOND PLAN SHEET LIMITS)

BEGIN APPROACH SIGNAGE TO CLOSURE PER STANDARD 701601-06

BEGIN CLOSURE PER STANDARD 701601-06

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC PLAN - STAGE 2</b>			F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...:\prr\in_ABC.C4_298_mtl.ST_2.47.dgn	DRAWN - TMB	REVISED -			290	2009-0998R	COOK/DUPAGE	309	86				
USER NAME = blank	CHECKED - JJT	REVISED -			SCALE: 1"=50'		SHEET NO. 41 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								



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

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

**benesch**

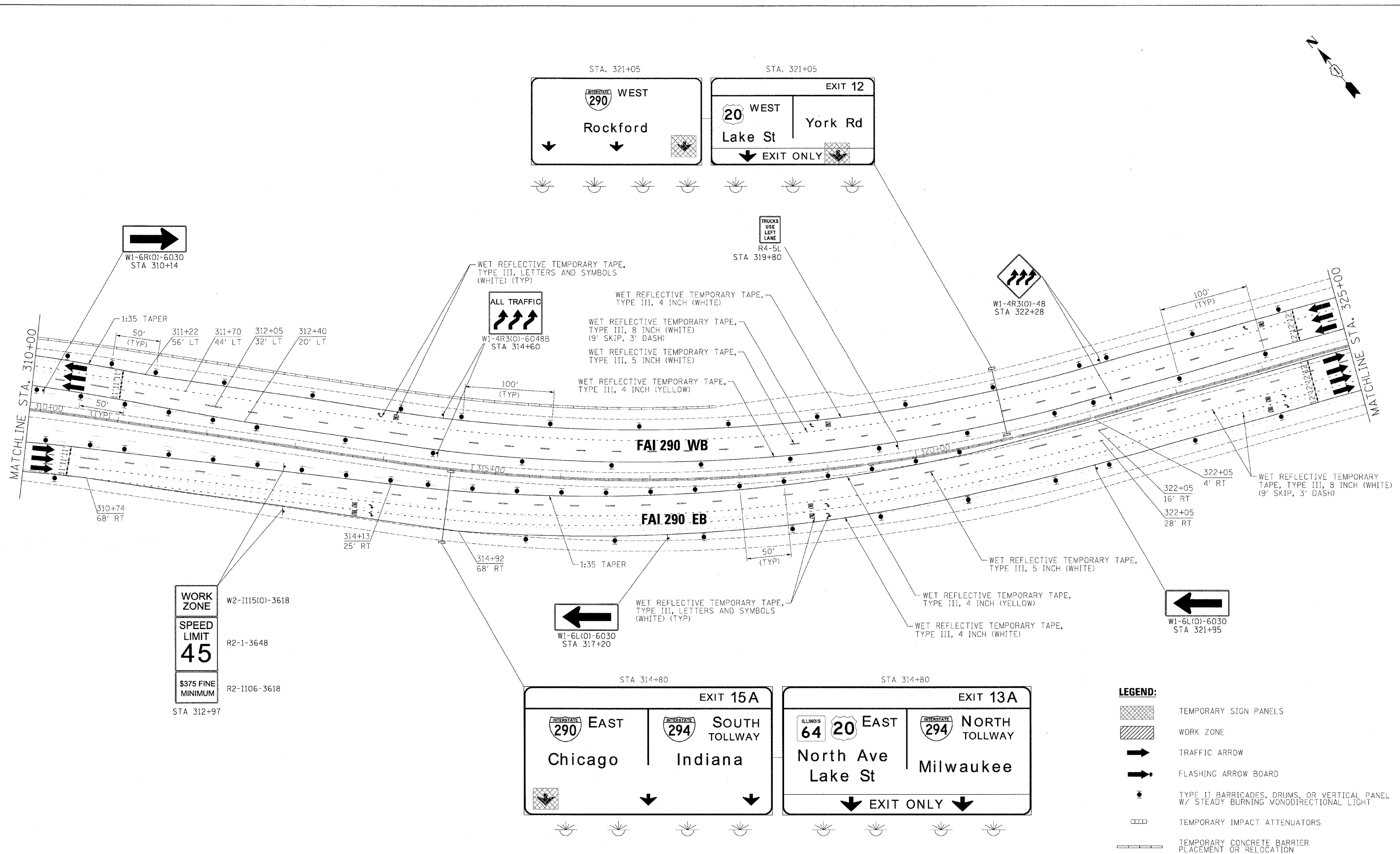
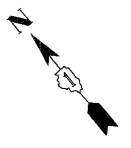
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 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(0)-3618

**SPEED LIMIT**  
45  
R2-1-3648

**\$375 FINE MINIMUM**  
R2-1106-3618  
STA 312+97

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

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

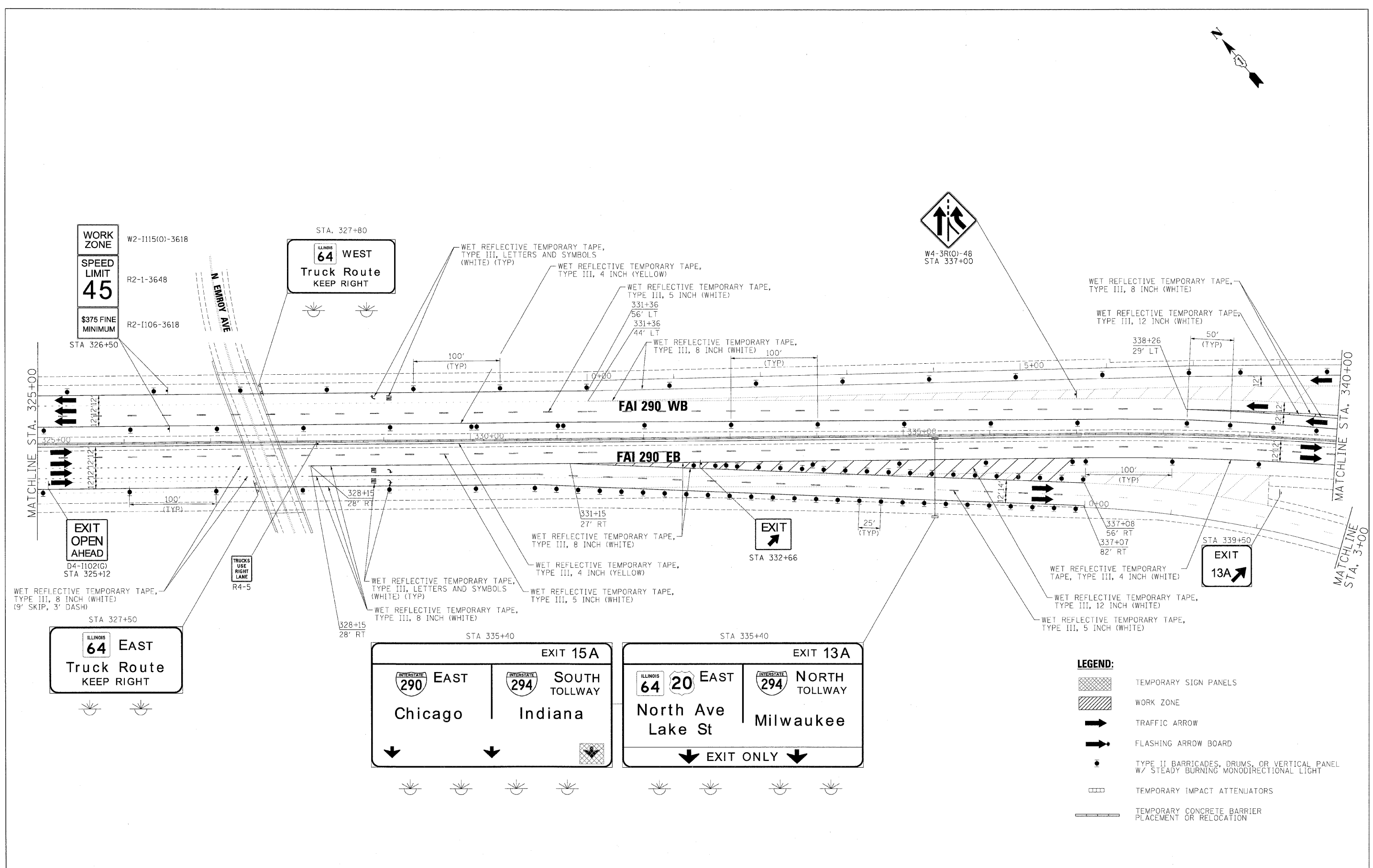
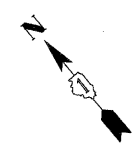
**benesch**

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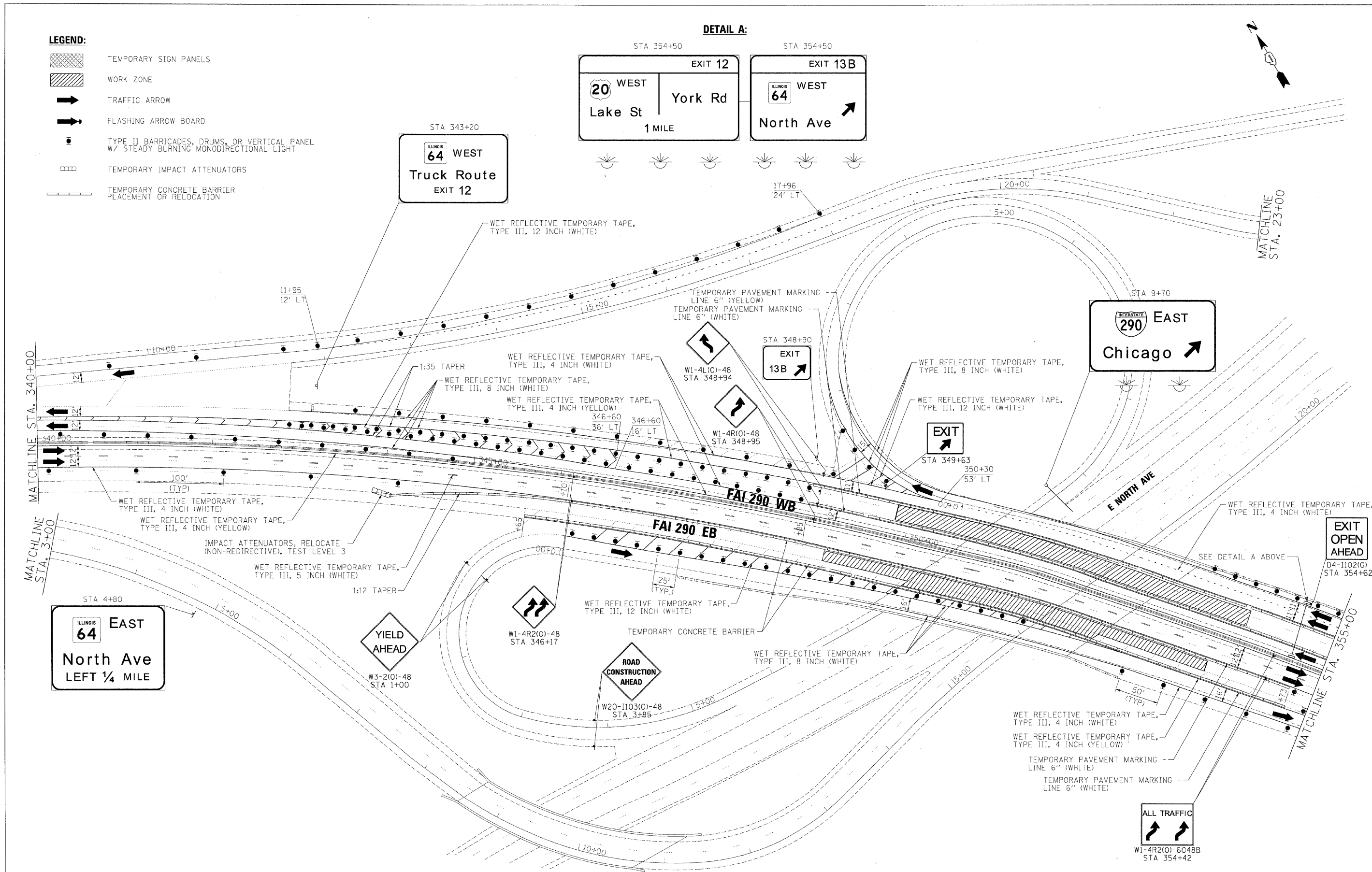
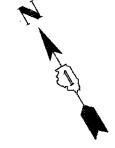
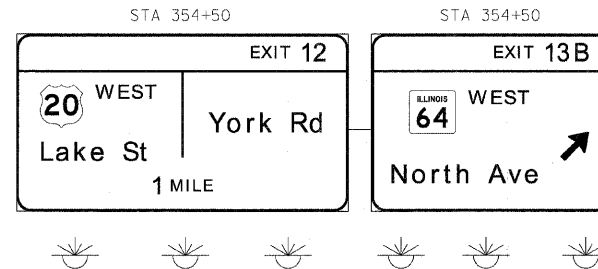
	TEMPORARY SIGN PANELS
	WORK ZONE
	TRAFFIC ARROW
	FLASHING ARROW BOARD
	TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
	TEMPORARY IMPACT ATTENUATORS
	TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC PLAN - STAGE 2</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...prpln.ABC.C4.298_mot.ST.2.51.dgn	DRAWN - TMB	REVISED -			290	2009-0998R	COOK/DUPAGE	309	89			
USER NAME = tblank	CHECKED - JJT	REVISED -			CONTRACT NO. 60157							
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
					SCALE: 1"=50'	SHEET NO. 44 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

**DETAIL A:**



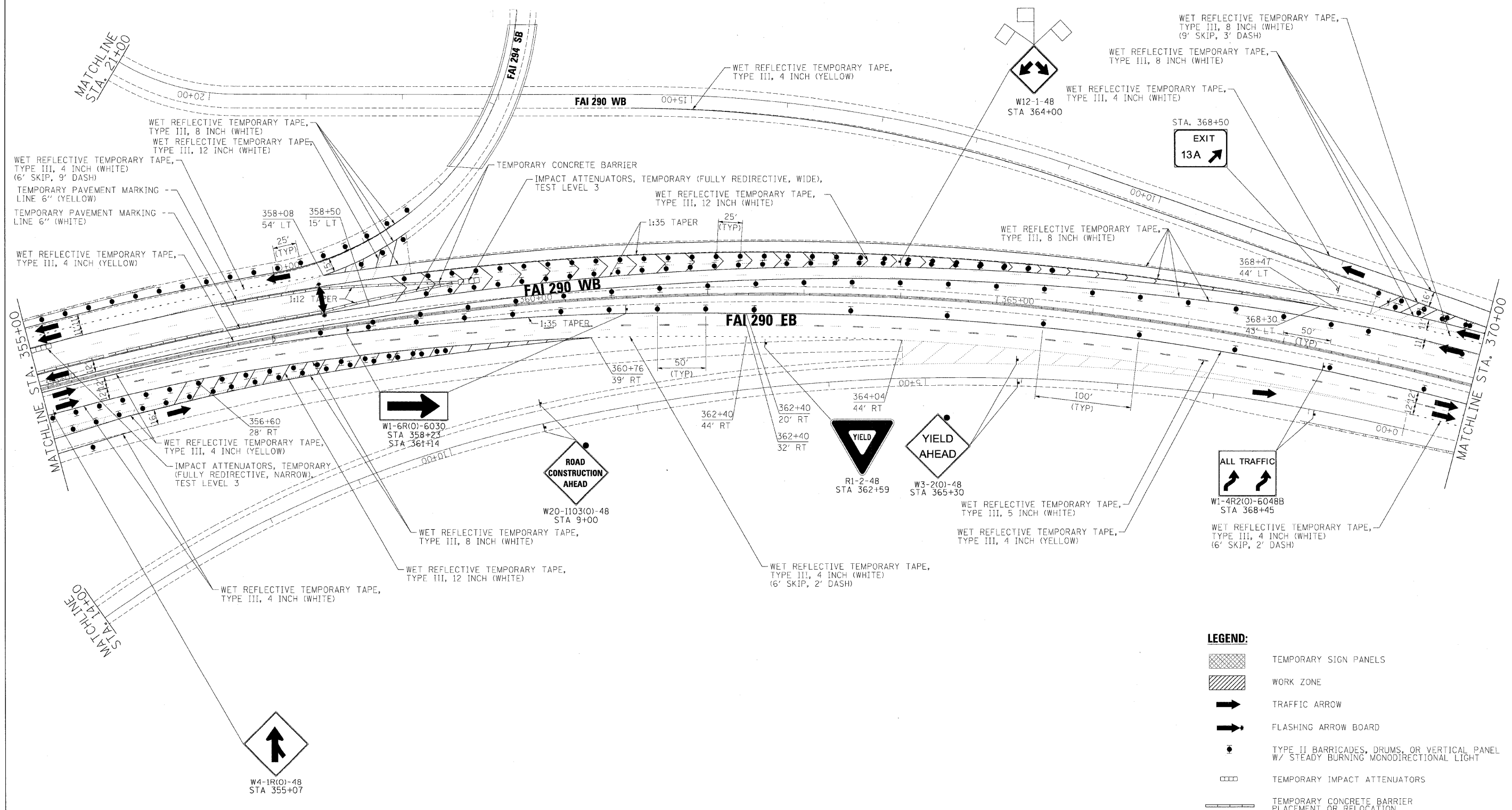
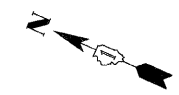
**benesch**

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

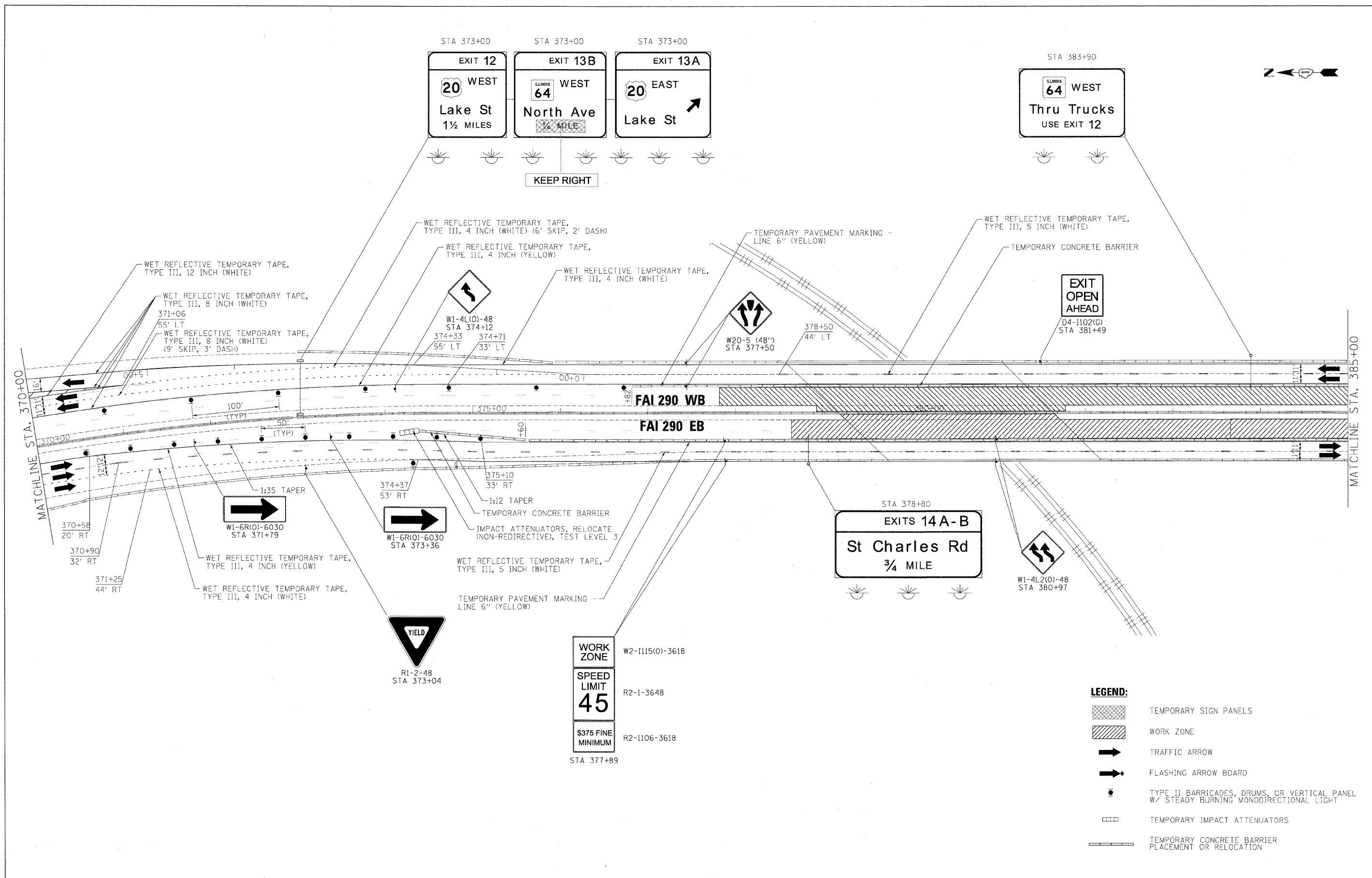
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
PLAN - STAGE 2**

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

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



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

**benesch**

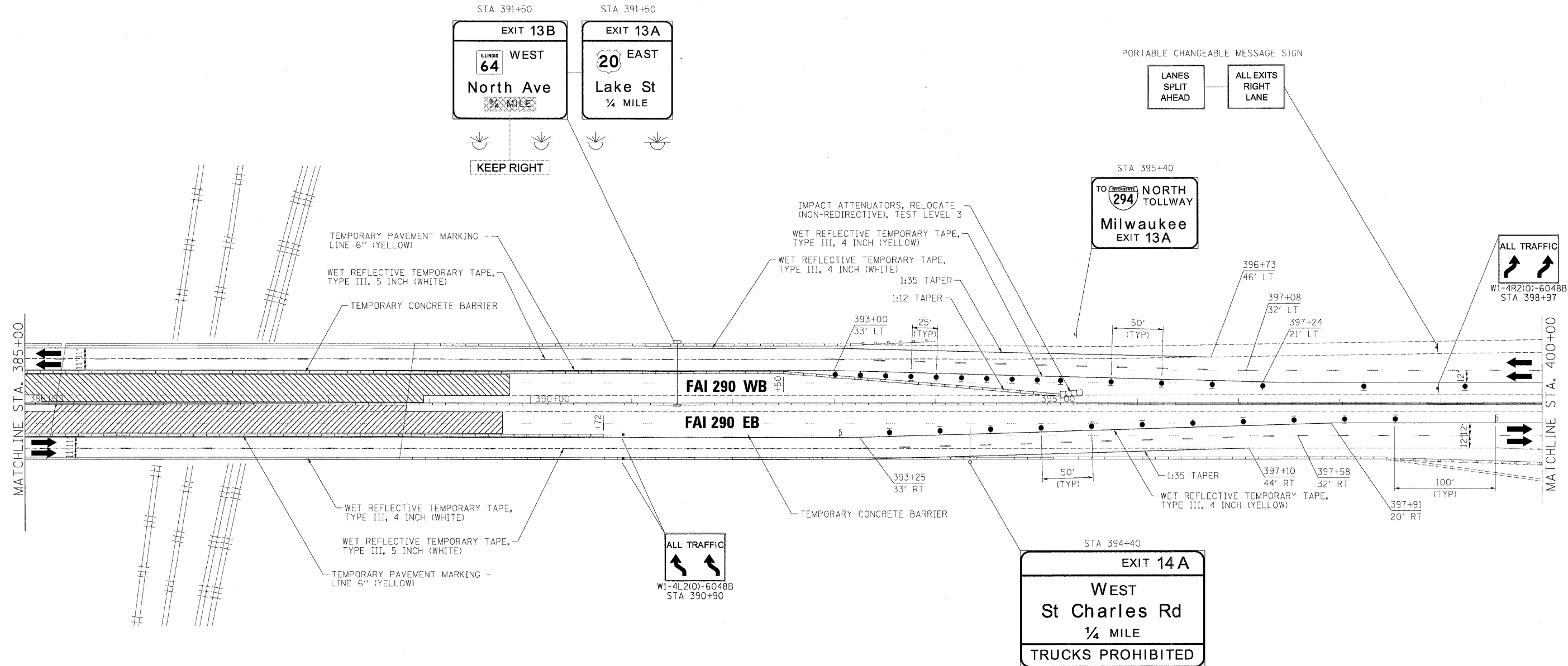
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 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



**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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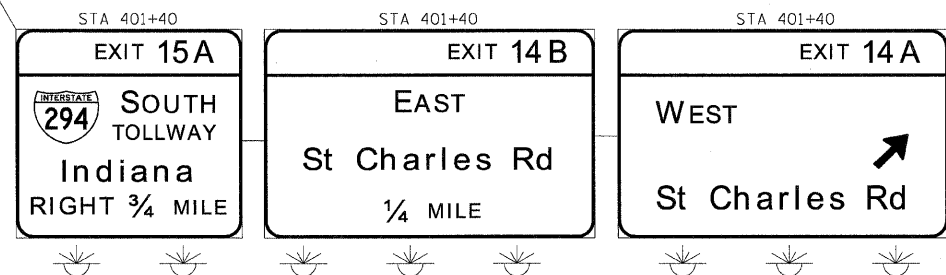
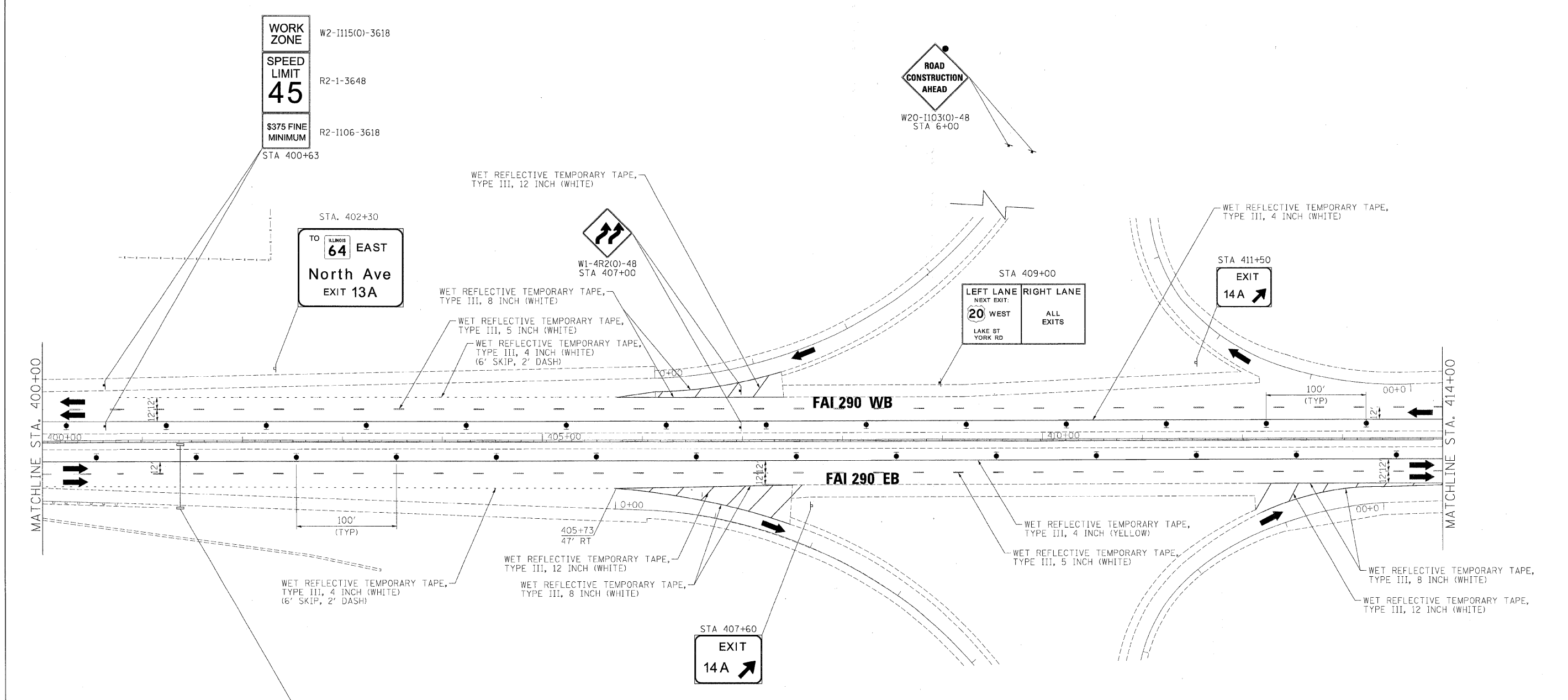
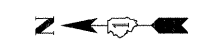
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
PLAN - STAGE 2**

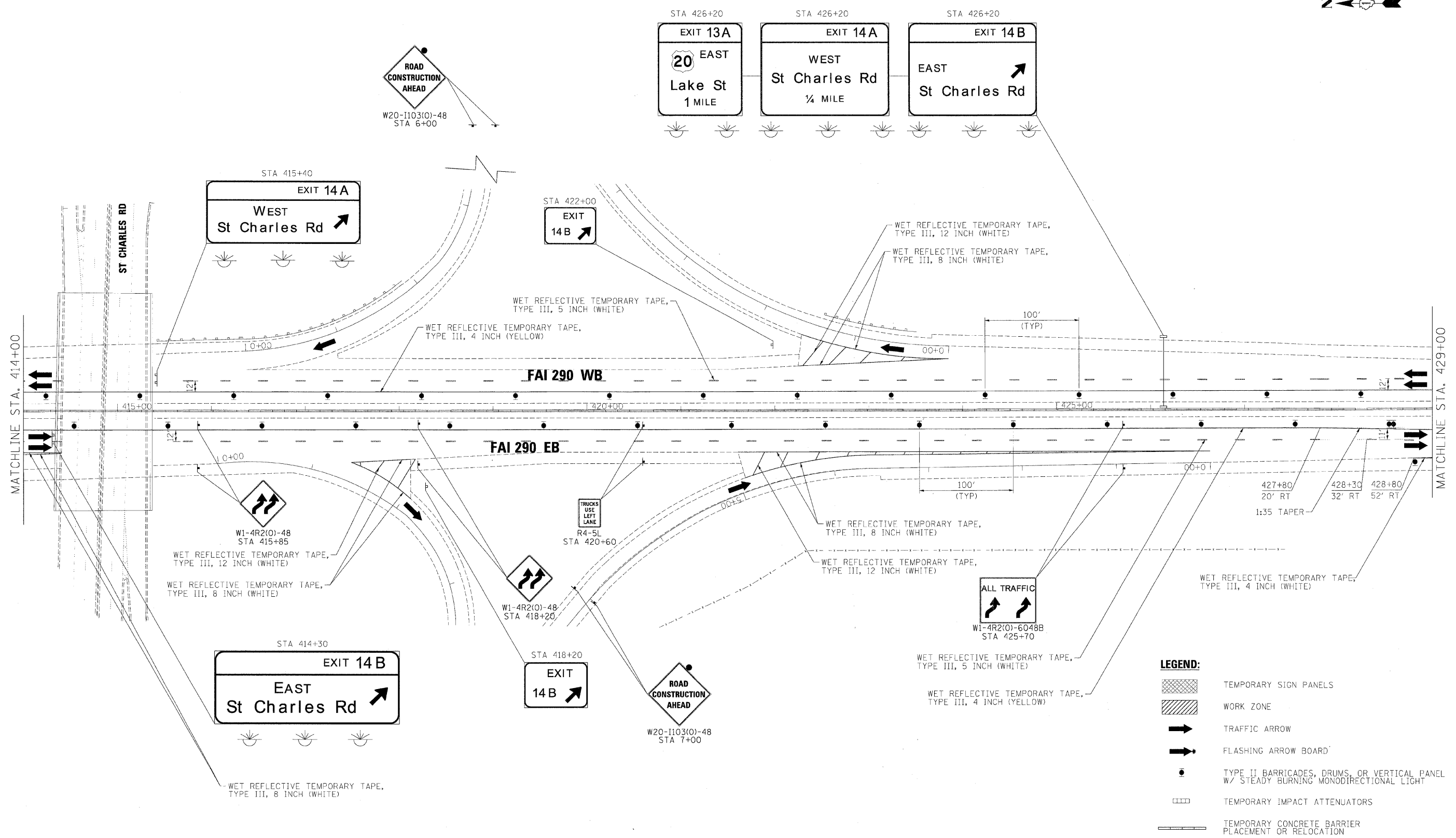
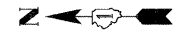
SCALE: 1"=50' SHEET NO. 48 OF 69 SHEETS STA. TO STA.

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

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC PLAN - STAGE 2</b>			F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 11/3/2009	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

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**benesch**

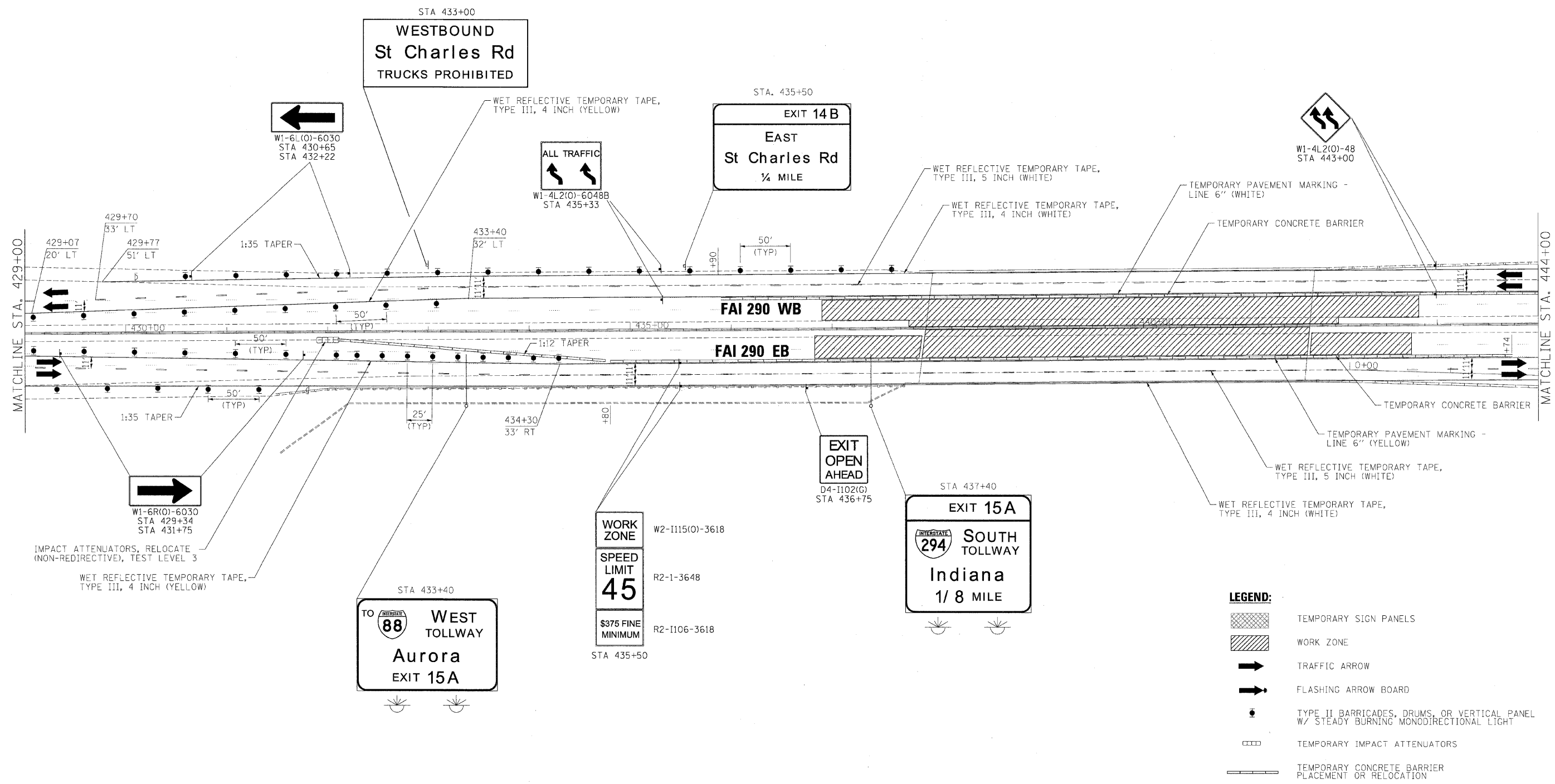
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**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	





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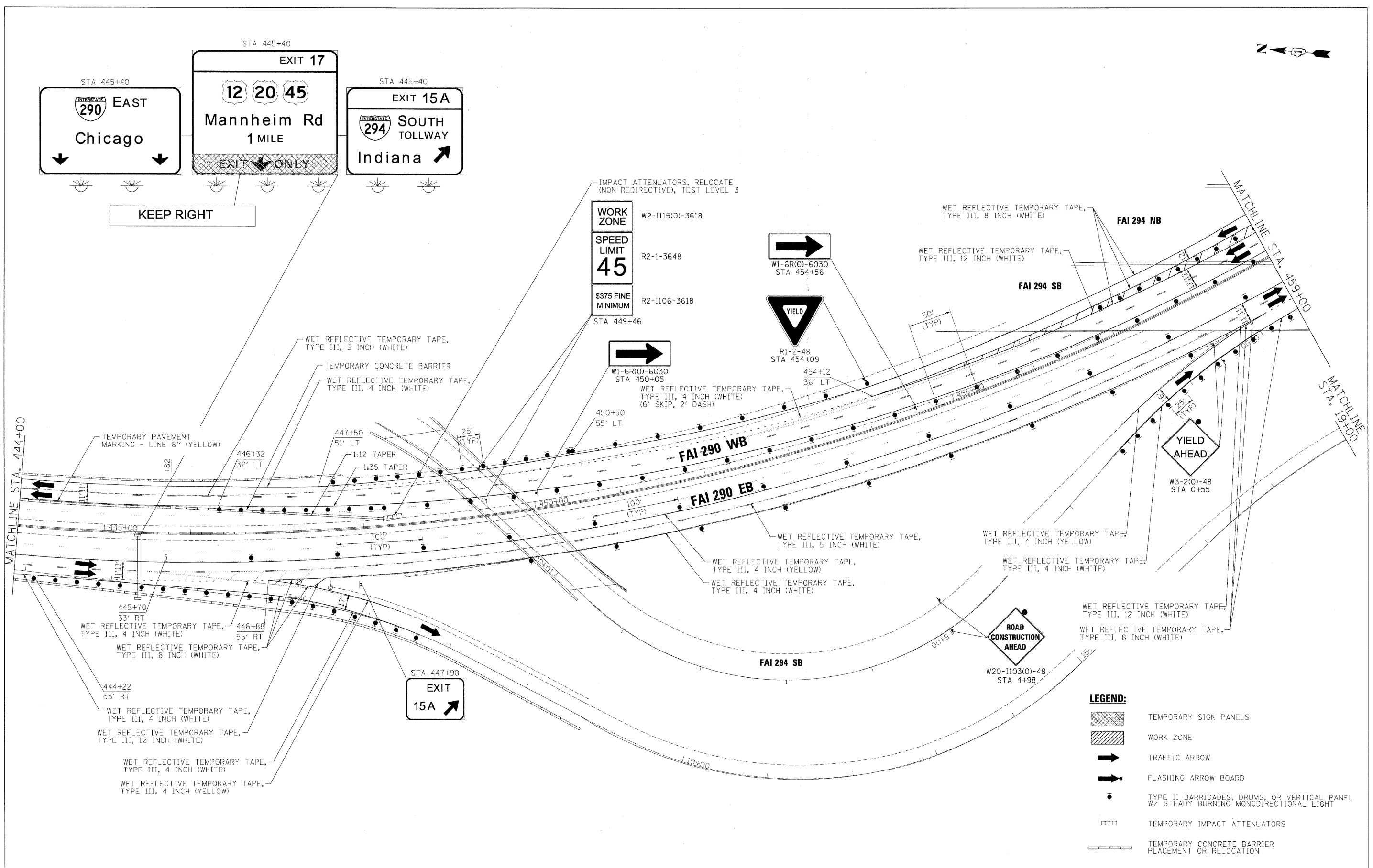
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 51 OF 69 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-0998R	COOK/DUPAGE	309	96
CONTRACT NO. 60157				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	DESIGNED - AJP	REVISED -
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**benesch**








**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

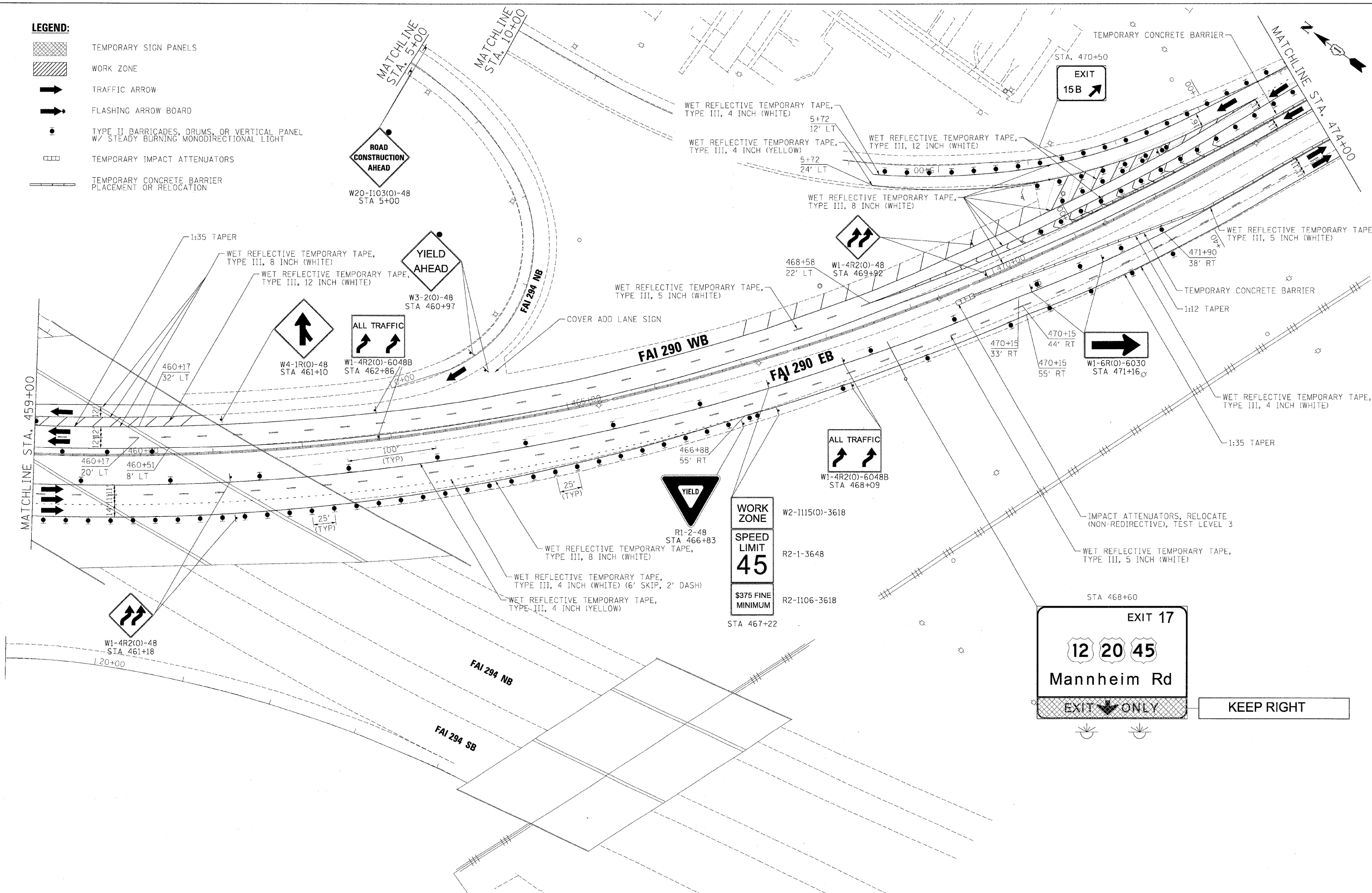
**MAINTENANCE OF TRAFFIC  
PLAN - STAGE 2**

SCALE: 1"=50' SHEET NO. 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



**EXIT 17**



**Mannheim Rd**

EXIT ONLY

**KEEP RIGHT**

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

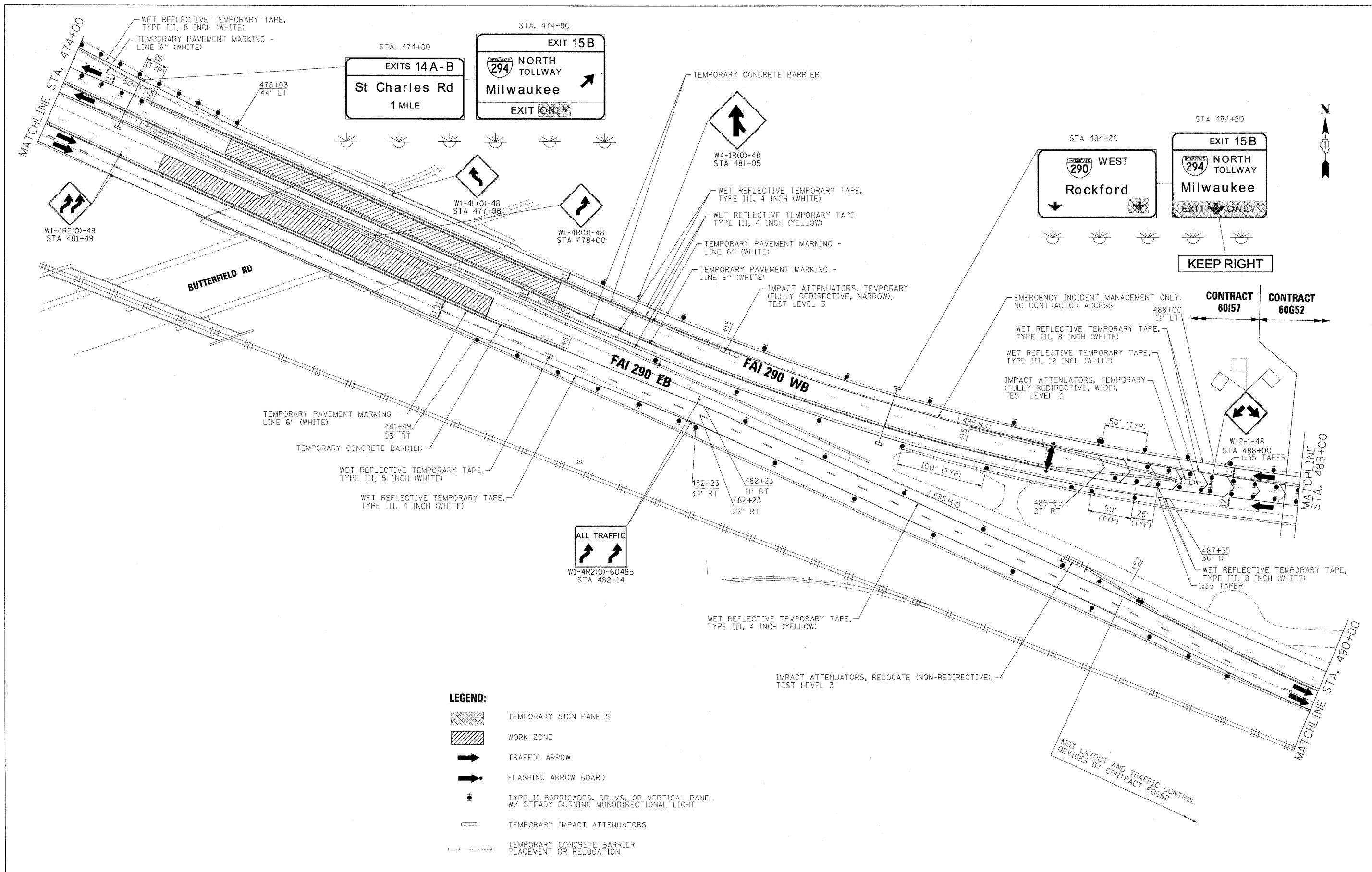
benesch

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
PLAN - STAGE 2

SCALE: 1"=50'    SHEET NO. 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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USER NAME = tblank	CHECKED - JJT	REVISED -
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
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60157	

**LEGEND:**

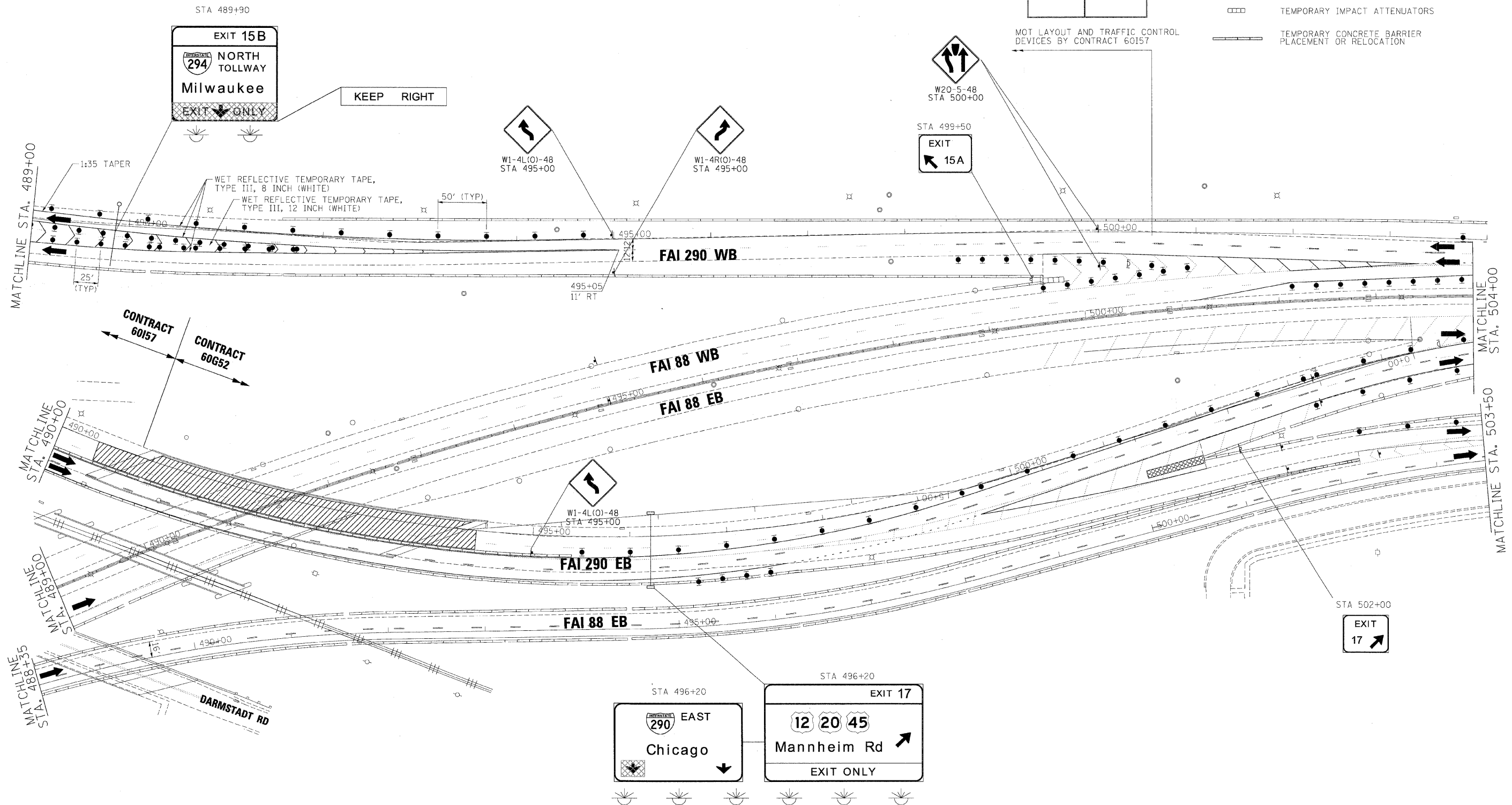
-  TEMPORARY SIGN PANELS
-  WORK ZONE
-  TRAFFIC ARROW
-  FLASHING ARROW BOARD
-  TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL W/ STEADY BURNING MONODIRECTIONAL LIGHT
-  TEMPORARY IMPACT ATTENUATORS
-  TEMPORARY CONCRETE BARRIER PLACEMENT OR RELOCATION



PLACE SIGN 1/2 MILE EAST BY CONTRACT 60157

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

MOT LAYOUT AND TRAFFIC CONTROL DEVICES BY CONTRACT 60157



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. 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		