

06-16-2023 LETTING ITEM I25

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGE OF HODGKINS AND COUNTRYSIDE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAI RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 B1	COOK	59	1
		ILLINOIS	CONTRACT NO. 62R88	

D-91-205-22



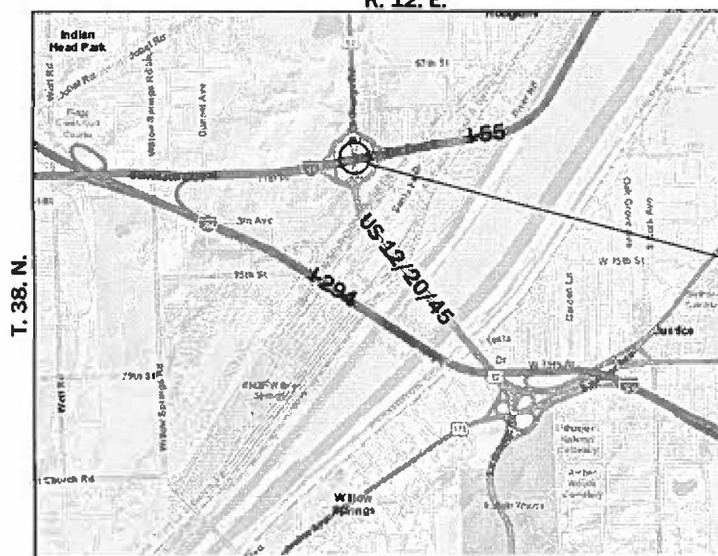
# PROPOSED HIGHWAY PLANS

FAI ROUTE 55: I-55 (STEVENSON EXPW)  
AT US ROUTE 12/20/45 (LAGRANGE ROAD)  
SECTION FAI 55 22 BJ  
PROJECT NHPP-JWYJ(737)  
BRIDGE DECK OVERLAY AND JOINT REPAIR  
COOK COUNTY

C-91-257-22

3rd P.M.

R. 12. E.



LYONS TOWNSHIP

## LOCATION MAP

NOT TO SCALE

GROSS LENGTH = 2404 FT. = 0.46 MILES  
NET LENGTH = 410 FT. = 0.08 MILES

### TRAFFIC DATA:

LAGRANGE ROAD (US ROUTE 12/20/45) (NORTH OF I-55)  
S.N. 016-2665 2021 ADT = 27,500

LAGRANGE ROAD (US ROUTE 12/20/45) (SOUTH OF I-55)  
S.N. 016-2665 2021 ADT = 64,200

DESIGN CLASSIFICATION = PRINCIPAL ARTERIAL

DESIGN SPEED = 50 MPH (ASSUMED)

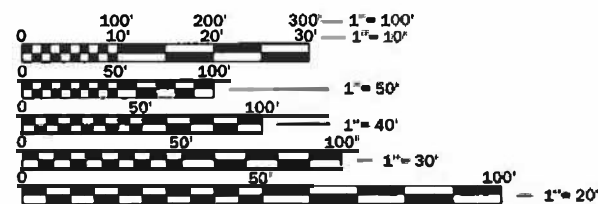
POSTED SPEED = 45 MPH

INTERSTATE 55  
2021 ADT = 114,400

DESIGN CLASSIFICATION = INTERSTATE (I-55) (URBAN)

DESIGN SPEED = 60 MPH (ASSUMED)

POSTED SPEED = 55 MPH



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: PRAVEEN KAINI, PE. (847-705-4237)  
PROJECT MANAGER: J. ALAIN MIDY, PE. (847-221-3056)

CONTRACT NO. 62R88

LAGRANGE RD  
S.N. 016-2665



Shiraz Tarique Date  
Illinois Registered Engineer No. 062-064219  
Registration Expires Nov. 30, 2023

3/9/2023

**E** LIN ENGINEERING, LTD.  
Consulting Engineers  
Westmont, Illinois

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 10 2023  
Joe Davis REGIONAL ENGINEER  
May 12, 2023  
Joe Davis ENGINEER OF DESIGN AND ENVIRONMENT  
May 12, 2023  
Stephen McAvoy DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

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## HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEM
482006-03	HMA SHOULDER ADJACENT TO RIGID PAVEMENT
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5M) AWAY
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS $\geq$ 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS $\geq$ 45 MPH TO 55 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS $\leq$ 40 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

## DISTRICT STANDARDS

BM-21	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL
TC-08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-09	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-25	TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE SHOULDER LANE

## GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR SHALL CALL "J.U.L.I.E" AT (800) 892-0123 OR 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES ARE IN THE AREA. 48 HOUR NOTIFICATION IS REQUIRED.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH TEMPORARY MARKINGS, IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR PROPOSED STRIPING AT THE COMPLETION OF THIS CONTRACT. EXACT LOCATIONS OF ALL PROPOSED PAVEMENT MARKINGS SHALL BE DIRECTED BY THE RESIDENT ENGINEER.

THE CONTRACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH AFFECTED UTILITY COMPANIES AND THE VILLAGES OF HODGKINS & COUNTRYSIDE.

THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.

THE CONTRACTOR SHALL USE CARE NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKDAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS, THE WORK SPECIFIED ABOVE WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

PERMANENT PAVEMENT MARKINGS SHALL BE AS SPECIFIED IN THE PLANS AND SHALL BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAILS. (TC-13, DISTRICT ONE TYPICAL PAVEMENT MARKINGS).

TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT EMAD ALHUSSEINI, THE AREA TRAFFIC FIELD ENGINEER, AT EMAD.ALHUSSEINI@ILLINOIS.GOV .

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULL LOADED TANDEM AXLE TRUCK.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTORS VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

ALL STAGE CHANGES REQUIRING THE STOPPING AND/OR THE PACING OF TRAFFIC SHALL TAKE PLACE DURING THE ALLOWABLE HOURS FOR FULL EXPRESSWAY CLOSURES AND SHALL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT LEAST 3 WORKING DAYS (WEEKENDS AND HOLIDAYS DO NOT COUNT INTO THIS 72 HOURS NOTIFICATION) IN ADVANCE OF ANY PROPOSED STAGE CHANGE.

A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY STAGE CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATION.

THE CONTRACTOR MUST VERIFY THE EXISTING SUBBASE AND PAVEMENT DEPTH IF APPLICABLE.

THE CONTRACTOR SHALL CONTRACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV, AND CARLOS MUNOZ, THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR, AT CARLOS.MUNOZ@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING ANY WORK.

CONTRACTOR MUST NOTIFY RICK WILLMAN (847-228-3584, RICHARD.WILLMAN@PACEBUS.COM) AT LEAST 2 WEEKS PRIOR TO BEGINNING WORK.

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

ALL DRAINAGE STRUCTURES LOCATIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.

THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171 TO SCHEDULE LAYOUT OF AREAS TO BE TREATED WITH HERBICIDE AT LEAST 7 DAYS PRIOR TO THE APPLICATION.

THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL SECTIONS OF THE ILLINOIS CUSTOM SPRAY LAW, INCLUDING LICENSING. CONTRACTOR PERSONNEL APPLYING HERBICIDES SHALL HAVE A VALID PESTICIDE APPLICATOR LICENSE ISSUED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE. THE LICENSED PESTICIDE APPLICATOR SHALL SUBMIT THEIR CURRENT LICENSE TO THE ENGINEER. THE LICENSED PESTICIDE APPLICATOR SHALL BE QUALIFIED AT A MINIMUM IN RIGHT-OF-WAY AQUATICS. THE LICENSED APPLICATOR SHALL WORK ON-SITE.

THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1 AND FROM AUGUST 15 TO SEPTEMBER 30. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT THEIR EXPENSE.

THE CONTRACTOR SHALL LEAVE A GAP IN THE PROPOSED PROTECTIVE SHIELDING INSTALLATION WHEREVER EXISTING LIGHTING IS PRESENT UNDERNEATH S.N. 016-2665 SO THAT THE EXISTING LIGHTING IS MAINTAINED DURING CONSTRUCTION. LOCATIONS OF GAPS SHALL BE AS DETERMINED BY THE ENGINEER. RECORD DRAWINGS OF THE EXISTING LIGHTING PLAN HAVE BEEN INCLUDED IN THESE PLANS FOR REFERENCE.

## COMMITMENTS

NONE.

HOT- MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)
BUTT JOINT		
POLY, HMA SURFACE COURSE, SMA 9.5, MIX "F", N80	3.5% @ 80 GYR.	QC/QA
HOT-MIX ASPHALT SHOULDER, 12"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 2"	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70. 10"	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

## MIXTURE TABLE NOTES

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SOYD/IN.
- THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATION.

FACTORS FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

AGGREGATE SHOULDERS	1.60 TONS/CU YD
SEEDING, CLASS 2A	200 LB/ACRE
NITROGEN FERTILIZER NUTRIENT	90 LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LB/ACRE
SHORT TERM PAVEMENT MARKING	10 FT/100 FT
GRANULAR MATERIAL	2.05 TONS/CU YD
MULCH	2 TON/ACRE

 <b>LIN ENGINEERING, LTD.</b> Consulting Engineers Westmont, Illinois	USER NAME = l1nho	DESIGNED - RC	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)</b> <b>INDEX, HIGHWAY STANDARDS &amp; GENERAL NOTES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - JK	REVISED -	55			FAI 55 22 BJ	COOK	59	2	
	PLOT SCALE = 2,0000 ' / in.	CHECKED - ST	REVISED -			CONTRACT NO. 62R88				
	PLOT DATE = 4/21/2023	DATE - 3/2023	REVISED -			SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE
				90% FED/10% STATE
				SN 016-2665
				0047
				BRIDGE
20200100	EARTH EXCAVATION	CU YD	158	158
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	222	222
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	30	30
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	30	30
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	30	30
25100115	MULCH, METHOD 2	ACRE	0.25	0.25
28000400	PERIMETER EROSION BARRIER	FOOT	827	827
28000510	INLET FILTERS	EACH	4	4
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	74	74
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	652	652
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	665	665
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	834	834
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	145	145

\* SPECIALTY ITEM



USER NAME = 14nho	DESIGNED - RC	REVISED -
	DRAWN - JK	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 3/21/2023	DATE - 3/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R88	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE
				90% FED/10% STATE
				SN 016-2665
				0047
				BRIDGE
44004250	PAVED SHOULDER REMOVAL	SQ YD	624	624
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	52	52
48203045	HOT-MIX ASPHALT SHOULDERS, 12"	SQ YD	652	652
50102400	CONCRETE REMOVAL	CU YD	18.2	18.2
50157300	PROTECTIVE SHIELD	SQ YD	2,153	2,153
50300255	CONCRETE SUPERSTRUCTURE	CU YD	21.9	21.9
50300300	PROTECTIVE COAT	SQ YD	3,460	3,460
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,870	2,870
50800515	BAR SPLICERS	EACH	40	40
52000110	PREFORMED JOINT STRIP SEAL	FOOT	204	204
58700300	CONCRETE SEALER	SQ FT	5,064	5,064
59000200	EPOXY CRACK INJECTION	FOOT	24	24
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	455	455
63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	4	4

\* SPECIALTY ITEM



USER NAME = 14nho	DESIGNED - RC	REVISED -
	DRAWN - JK	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 3/21/2023	DATE - 3/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R88	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE
				90% FED/10% STATE
				SN 016-2665
				0047
				BRIDGE
63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	4	4
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	160	160
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	15	15
67100100	MOBILIZATION	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	225	225
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,107	2,107
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	703	703
70307120	TEMPORARY PAVEMENT MARKING-LINE 4"-TYPE IV TAPE	FOOT	13,457	13,457
70307130	TEMPORARY PAVEMENT MARKING-LINE 6"-TYPE IV TAPE	FOOT	502	502
70307140	TEMPORARY PAVEMENT MARKING-LINE 8"-TYPE IV TAPE	FOOT	5,594	5,594
70307160	TEMPORARY PAVEMENT MARKING-LINE 12"-TYPE IV TAPE	FOOT	1,515	1,515

\* SPECIALTY ITEM



USER NAME = 14nh	DESIGNED - RC	REVISED -
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PLOT DATE = 3/21/2023	DATE - 3/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R88	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE
				90% FED/10% STATE
				SN 016-2665
				0047
				BRIDGE
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,575.0	1,575.0
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	435.0	435.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2,650.0	2,650.0
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	8	8
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6	6
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,966	4,966
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	3,430	3,430
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	622	622
* 78004235	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 7"	FOOT	191	191
* 78004625	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5"	FOOT	989	989
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1,091	1,091
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	820	820
* 78011030	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	989	989
* 78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	191	191

\* SPECIALTY ITEM



USER NAME = 14nho	DESIGNED - RC	REVISED -
	DRAWN - JK	REVISED -
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PLOT DATE = 3/21/2023	DATE - 3/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R88	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				90% FED/10% STATE	SN 016-2665
				0047	BRIDGE
* 78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	170	170	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	18	18	
* 78100300	REPLACEMENT REFLECTOR	EACH	98	98	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	18	18	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	6,025	6,025	
X0931400	INLET BOXES TO BE ADJUSTED (SPECIAL)	EACH	4	4	
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	9	9	
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	2,866	2,866	
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X7010240	TRAFFIC CONTROL SURVEILLANCE (SPECIAL)	CAL DA	65	65	
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1	
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	98	98	
Z0006016	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4 INCHES	SQ YD	3,386	3,386	

\* SPECIALTY ITEM



USER NAME = 14nho	DESIGNED - RC	REVISED -
	DRAWN - JK	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 3/21/2023	DATE - 3/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R88	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE	
				90% FED/10% STATE	
				SN 016-2665	
				0047 BRIDGE	
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	3,386	3,386	
Z0012750	CONCRETE MEDIAN REPAIR	SQ FT	40	40	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	142	142	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	3,160	3,160	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	155	155	
∅ Z0076600	TRAINEES	HOURS	500	500	
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500	

\* SPECIALTY ITEM



USER NAME = 14nho	DESIGNED - RC	REVISED -
DRAWN - JK	REVISIONS -	
PLOT SCALE = 2.0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 3/21/2023	DATE - 3/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R88	

∅ 0042

REV-SEP



**INLET FILTERS**

FROM STATION	LT/RT	EACH
198+17.71	LT	1
198+32.67	RT	1
201+67.33	LT	1
201+82.29	RT	1
TOTAL		4

**SUBBASE GRANULAR MATERIAL 4"**

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
195+19.92	195+70.30	LT	25.48
195+35.70	196+47.72	RT	149.36
196+81.13	198+14.11	RT	101.97
197+35.58	198+01.32	LT	52.76
201+85.95	202+52.94	LT	51.74
201+98.68	203+21.80	RT	89.92
204+05.42	204+65.90	RT	30.48
204+08.37	205+20.39	LT	149.36
ROUNDED TOTAL			652

**PAVED SHOULDER REMOVAL**

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
195+19.92	195+70.30	LT	25.48
195+35.70	196+47.72	RT	149.36
196+81.13	198+14.11	RT	92.91
197+35.58	198+01.32	LT	48.23
201+85.95	202+52.94	LT	42.30
201+98.68	203+21.80	RT	85.39
204+05.42	204+65.90	RT	30.48
204+08.37	205+20.39	LT	149.36
ROUNDED TOTAL			624

**AGGREGATE WEDGE SHOULDER, TYPE B**

FROM STATION	TO STATION	LT/RT	TON
195+18.65	195+67.71	LT	2.29
195+35.70	196+48.49	RT	4.44
196+83.57	198+45.15	RT	12.84
197+36.74	198+30.21	LT	7.41
201+54.83	202+51.99	LT	7.73
201+99.79	203+19.97	RT	9.56
204+07.64	204+69.34	RT	2.74
204+07.51	205+20.39	LT	4.44
ROUNDED TOTAL			52

**HOT-MIX ASPHALT SHOULDERS, 12"**

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
195+19.92	195+70.30	LT	25.48
195+35.70	196+47.72	RT	149.36
196+81.13	198+14.11	RT	101.97
197+35.58	198+01.32	LT	52.76
201+85.95	202+52.94	LT	51.74
201+98.68	203+21.80	RT	89.92
204+05.42	204+65.90	RT	30.48
204+08.37	205+20.39	LT	149.36
ROUNDED TOTAL			652

**INLET BOXES TO BE ADJUSTED (SPECIAL)**

FROM STATION	LT/RT	EACH
198+17.71	LT	1
198+32.67	RT	1
201+67.33	LT	1
201+82.29	RT	1
TOTAL		4

**TEMPORARY INFORMATION SIGNING**

FROM STATION	LT/RT	AREA (SQ FT)
PRE-STAGE		
169+61.00	RT	25.70
231+95.00	LT	25.70
STAGE 1		
162+53.00	RT	25.70
235+47.00	LT	25.70
STAGE 2		
164+03.00	RT	25.70
236+55.00	LT	25.70
ROUNDED TOTAL		155

**REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A**

FROM STATION	TO STATION	LT/RT	FOOT
196+51.64	198+45.16	RT	195.79
197+79.70	198+30.21	LT	50.51
201+54.83	202+73.98	LT	119.36
201+69.79	202+58.94	RT	89.15
ROUNDED TOTAL			455

**REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1**

FROM STATION	LT/RT	EACH
196+51.64	RT	1
197+79.70	LT	1
202+73.98	LT	1
202+58.94	RT	1
TOTAL		4

**REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6**

FROM STATION	LT/RT	EACH
198+45.16	RT	1
198+30.21	LT	1
201+54.83	LT	1
201+69.79	RT	1
TOTAL		4

**GRADING AND SHAPING SHOULDERS**

FROM STATION	TO STATION	LT/RT	UNIT
195+18.65	195+67.71	LT	1.00
195+35.70	196+48.49	RT	1.12
196+83.57	198+45.15	RT	1.62
197+36.74	198+30.21	LT	0.94
201+54.83	202+51.99	LT	0.97
201+99.79	203+19.97	RT	1.21
204+07.64	204+69.34	RT	0.70
204+07.51	205+20.39	LT	1.13
ROUNDED TOTAL			9

**BITUMINOUS MATERIALS (TACK COAT)**

FROM STATION	TO STATION	LT/RT	POUND
197+65.21	198+00.21	LT	93.92
197+72.84	198+15.17	RT	94.19
198+00.21	198+30.21	LT	72.22
198+15.17	198+45.17	RT	72.13
201+54.83	201+84.83	LT	72.29
201+69.79	201+99.79	RT	72.29
201+84.83	202+27.16	LT	93.73
201+99.79	202+34.79	RT	93.53
ROUNDED TOTAL			665

**HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT**

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
197+65.21	198+07.54	LT	208.71
197+72.84	198+15.17	RT	209.32
201+84.83	202+27.16	LT	208.29
201+92.46	202+34.79	RT	207.64
ROUNDED TOTAL			834

**POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE STONE MATRIX ASPHALT, 9.5, MIX "F", N80**

FROM STATION	TO STATION	LT/RT	TON
197+65.21	198+00.21	LT	20.45
197+72.84	198+15.17	RT	20.51
198+00.21	198+30.21	LT	15.73
198+15.17	198+45.17	RT	15.71
201+54.83	201+84.83	LT	15.74
201+69.79	201+99.79	RT	15.74
201+84.83	202+27.16	LT	20.41
201+99.79	202+34.79	RT	20.37
ROUNDED TOTAL			145



USER NAME = 14nho  
 PLOT SCALE = 2,0000' / in.  
 PLOT DATE = 3/21/2023

DESIGNED - JK  
 DRAWN - JK  
 CHECKED - RC  
 DATE - 3/2023

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
 SCHEDULE OF QUANTITIES**

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	9

CONTRACT NO. 62R88  
 ILLINOIS FED. AID PROJECT

TEMPORARY PAVEMENT MARKING  
LINE 4"-TYPE IV TAPE

FROM STATION	TO STATION	LT/RT	FOOT
PRE-STAGE			
193+61.06	197+47.72	RT	96.68
193+61.43	196+47.72	RT	286.35
194+60.17	196+59.30	LT	281.76
194+63.76	204+20.86	LT	1,035.77
195+56.03	205+20.01	RT	1,089.47
195+59.93	196+59.30	LT	99.37
203+08.37	204+29.89	LT	128.32
203+08.37	206+95.39	LT	387.18
203+08.37	206+95.39	LT	96.77
203+25.12	204+09.12	RT	84.00
203+25.12	205+46.61	RT	283.49
STAGE 1			
191+67.63	204+55.80	RT	1,295.38
191+67.63	192+90.41	RT	123.78
194+59.93	195+59.93	LT	100.84
195+22.45	195+69.01	LT	57.30
195+33.86	208+61.25	LT	1,350.14
204+06.53	204+65.90	RT	68.42
204+09.12	205+09.12	RT	100.72
STAGE 2			
186+32.97	204+59.79	RT	1,822.20
192+94.29	196+47.72	RT	352.54
195+40.21	214+03.37	LT	1,864.49
195+40.21	196+53.19	LT	112.98
195+70.30	196+53.24	LT	87.49
195+78.09	203+83.03	LT	814.14
196+17.13	196+51.08	RT	36.83
196+25.93	203+99.07	RT	781.98
203+48.61	204+05.42	RT	58.21
203+46.81	204+59.79	RT	112.98
204+08.78	208+55.67	LT	447.24
ROUNDED TOTAL			13,457

TEMPORARY PAVEMENT MARKING  
LINE 6"-TYPE IV TAPE

FROM STATION	TO STATION	LT/RT	FOOT
PRE-STAGE			
198+01.32	201+58.37	LT	88.66
198+71.25	201+96.25	RT	81.25
STAGE 2			
186+33.35	189+50.18	RT	77.84
197+27.91	202+35.20	RT	126.82
197+64.80	202+72.12	LT	126.73
211+55.44	214+03.37	LT	61.95
ROUNDED TOTAL			502

TEMPORARY PAVEMENT MARKING  
LINE 8"-TYPE IV TAPE

FROM STATION	TO STATION	LT/RT	FOOT
PRE-STAGE			
196+47.72	198+71.25	RT	446.84
196+59.30	198+01.32	LT	285.59
201+58.37	203+08.37	LT	300.47
201+96.25	203+25.12	RT	223.85
STAGE 1			
184+87.84	191+67.63	RT	1141.90
195+59.93	196+65.21	LT	214.19
203+34.79	204+09.12	RT	154.88
208+61.25	213+12.16	LT	903.83
STAGE 2			
189+50.18	192+94.29	RT	462.67
196+47.72	197+27.91	RT	158.77
196+53.19	197+64.80	LT	223.82
202+35.20	203+46.81	RT	225.68
202+72.12	204+08.62	LT	255.74
208+55.67	211+55.44	LT	595.78
ROUNDED TOTAL			5,594

IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

FROM STATION	LT/RT	EACH
STAGE 1		
194+47.91	RT	1
197+90.21	LT	1
202+09.79	RT	1
204+52.09	LT	1
STAGE 2		
195+72.79	RT	1
204+27.18	LT	1
TOTAL		6

TEMPORARY PAVEMENT MARKING  
LINE 12"-TYPE IV TAPE

FROM STATION	TO STATION	LT/RT	FOOT
PRE-STAGE			
196+47.72	198+71.25	RT	57.18
196+59.30	198+01.32	LT	54.65
201+58.37	203+08.37	LT	36.64
201+96.25	203+25.12	RT	14.93
STAGE 1			
186+87.84	191+67.63	RT	207.95
195+59.93	196+65.21	LT	148.36
203+34.79	204+09.12	RT	95.71
208+61.25	213+12.16	LT	330.02
STAGE 2			
191+67.63	192+94.29	RT	175.96
196+47.72	197+27.91	RT	33.74
196+53.19	197+64.80	LT	35.86
202+35.20	203+46.81	RT	39.36
202+72.12	204+08.37	LT	72.55
208+55.67	211+55.44	LT	211.55
ROUNDED TOTAL			1,515

TEMPORARY CONCRETE BARRIER

FROM STATION	TO STATION	LT/RT	FOOT
PRE-STAGE			
193+98.06	196+47.72	RT	250.00
195+24.43	196+35.58	LT	125.00
195+95.98	198+15.17	RT	237.50
197+35.27	199+10.22	LT	175.00
200+85.24	203+22.34	RT	237.50
201+84.83	203+56.84	LT	175.00
203+49.71	204+63.03	RT	125.00
204+08.37	206+58.06	LT	250.00
ROUNDED TOTAL			1,575.0

RELOCATE TEMPORARY CONCRETE BARRIER

FROM STATION	TO STATION	LT/RT	FOOT
STAGE 1			
195+47.91	202+09.79	RT	662.50
197+90.21	204+52.09	LT	662.50
STAGE 2			
195+72.79	202+34.79	RT	662.50
197+65.21	204+27.18	LT	662.50
ROUNDED TOTAL			2,650.0

IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

FROM STATION	LT/RT	EACH
PRE-STAGE		
193+98.06	RT	1
196+35.58	LT	1
195+95.98	RT	1
199+10.22	LT	1
200+85.24	RT	1
203+56.84	LT	1
203+49.71	RT	1
206+58.06	LT	1
TOTAL		8

PINNING TEMPORARY CONCRETE BARRIER

FROM STATION	TO STATION	LT/RT	EACH
PRE-STAGE			
193+98.06	196+47.72	250.00	60
195+24.43	196+35.58	125.00	30
195+95.98	198+15.17	237.50	57
197+35.27	198+01.32	75.00	18
201+98.23	203+22.34	124.00	30
201+84.83	203+56.84	175.00	42
203+49.71	204+63.03	125.00	30
204+08.37	206+58.06	250.00	60
STAGE 1			
195+47.91	197+72.84	225.00	54
202+27.16	204+52.09	225.00	54
ROUNDED TOTAL			435



USER NAME = l1nho  
DESIGNED - JK  
DRAWN - JK  
PLOT SCALE = 2,000' / in.  
PLOT DATE = 4/21/2023

REVISOR - JK  
REVISOR - JK  
CHECKED - RC  
DATE - 3/2023

REVISOR -  
REVISOR -  
REVISOR -  
REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R88	

PAVEMENT MARKING SCHEDULE

FROM STATION	TO STATION	LT/RT	THERMOPLASTIC PAVEMENT MARKING			PREF PLASTIC PMK TYPE B INLAID	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D	MODIFIED URETHANE PAVEMENT MARKING		RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	GROOVING FOR RECESSED PAVEMENT MARKING 6"	GROOVING FOR RECESSED PAVEMENT MARKING 8"	GROOVING FOR RECESSED PAVEMENT MARKING 9"	REPLACEMENT REFLECTOR	RAISED REFL PVMT MARKER REFLECTOR REMOVAL
			LINE 4"	LINE 8"	LINE 12"	LINE 7"	LINE 5"	LINE 4"	LINE 8"	EACH	EACH	FOOT	FOOT	FOOT	EACH	EACH
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT							
184+87.84	189+32.86	RT						441.59								
184+87.84	189+50.18	RT				113.49						113.49				
184+87.84	198+02.91	RT												33	33	
184+87.84	205+09.12	RT					502.89				502.89					
189+32.86	198+37.99	RT	903.65													
191+67.63	192+94.29	RT		248.56	87.11											
192+94.29	196+47.72	RT	352.43													
194+46.76	195+70.30	LT	193.01											5	5	
194+59.42	214+03.37	LT					485.97				485.97					
194+59.93	195+59.93	LT	100.00													
194+59.93	198+37.38	LT	377.46													
194+59.93	197+95.21	LT												9	9	
194+63.77	195+78.09	LT	178.79													
195+41.02	196+50.01	RT	161.68											5	5	
195+56.03	196+56.12	RT	148.47													
195+59.93	198+03.75	LT		407.97	87.20											
195+78.09	198+31.32	LT		258.45												
196+47.72	198+41.65	RT		446.76	32.38											
196+56.12	198+44.07	RT		189.81												
198+03.75	198+33.75	LT				7.50						7.50				
198+31.32	201+55.95	LT								324.63						
198+33.75	201+58.37	LT								88.60			88.60			
198+35.57	201+60.19	LT							9	9						
198+37.38	201+62.01	LT						324.63								
198+37.99	201+62.62	RT						324.63								
198+39.81	201+64.44	RT							9	9						
198+44.07	201+68.68	RT								324.63						
198+71.25	201+66.25	RT								81.25			81.25			
201+55.95	203+92.96	LT		240.61												
201+58.37	204+08.37	LT		494.68	143.88											
201+62.01	214+03.37	LT	1,241.41											31	31	
201+62.62	205+09.12	RT	304.32													
201+66.25	201+96.25	RT				7.50						7.50				
201+68.68	203+99.07	RT		233.75												
202+04.79	204+09.12	RT		312.72	59.19									8	8	
203+92.96	204+20.89	LT	31.03													
203+99.07	205+29.61	RT	188.10													
203+99.65	204+29.89	LT	34.10											1	1	
204+05.42	205+46.61	RT	204.20											6	6	
204+08.37	208+55.67	LT	447.30													
204+09.12	205+09.12	LT	100.00													
208+55.67	211+55.44	LT		595.78	211.55											
211+55.44	214+03.37	LT				61.99						61.99				
ROUNDED TOTAL			4,966	3,430	622	191	989	1,091	820	18	18	989	191	170	98	98

PAVEMENT MARKING REMOVAL - WATER BLASTING

FROM STATION	TO STATION	LT/RT	AREA (SQ FT)
184+87.84	198+37.99	RT	449.43
184+87.84	189+50.18	RT	102.85
184+87.84	205+09.12	RT	209.87
191+67.63	192+94.29	RT	165.71
191+67.63	192+94.29	RT	87.11
192+94.29	196+47.72	RT	117.48
194+46.76	195+70.30	LT	64.34
194+59.42	214+03.37	LT	202.49
194+59.93	195+59.93	LT	33.33
194+59.93	198+37.38	LT	125.82
194+63.77	195+78.09	LT	59.60
195+41.02	196+50.01	RT	53.89
195+56.03	196+56.12	RT	49.49
195+59.93	198+03.75	LT	271.98
195+59.93	198+03.75	LT	87.20
195+78.09	198+31.32	LT	172.30
196+47.72	198+41.65	RT	297.84
196+47.72	198+41.65	RT	32.38
196+56.12	198+44.07	RT	126.54
198+31.32	201+55.95	LT	216.42
198+33.75	201+58.37	LT	59.06
198+37.38	201+62.01	LT	108.21
198+37.99	201+62.62	RT	108.21
198+44.07	201+68.68	RT	216.42
198+71.25	201+66.25	RT	54.17
201+55.95	203+92.96	LT	160.41
201+58.37	204+08.37	LT	329.79
201+58.37	204+08.37	LT	143.88
201+62.01	214+03.37	LT	413.80
201+62.62	205+09.12	RT	101.44
201+68.68	203+99.07	RT	155.83
202+04.79	204+09.12	RT	208.48
202+04.79	204+09.12	RT	59.19
203+92.96	204+20.89	LT	10.34
203+99.07	205+29.61	RT	62.70
203+99.65	204+29.89	LT	11.37
204+05.42	205+46.61	RT	68.07
204+08.37	208+55.67	LT	149.10
204+09.12	205+09.12	LT	33.33
208+55.67	211+55.44	LT	397.19
208+55.67	211+55.44	LT	211.55
211+55.44	214+03.37	LT	36.16
ROUNDED TOTAL			6,025



USER NAME = 14nho  
 PLOT SCALE = 2,000' / in.  
 PLOT DATE = 3/21/2023

DESIGNED - JK  
 DRAWN - JK  
 CHECKED - RC  
 DATE - 3/2023

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
 SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	11
CONTRACT NO. 62R88			ILLINOIS FED. AID PROJECT	

**MAINTENANCE OR TRAFFIC GENERAL NOTES**

1. THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY MARKINGS SHALL BE REMOVED. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PAVEMENT MARKING REMOVAL - WATER BLASTING.
3. ALL EXISTING PAVEMENT MARKING LINES AND EXISTING RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS ALONG US ROUTE 12/20/45 AND I-55 THAT ARE REMOVED AS A RESULT OF A CONFLICT WITH THE REVISED TRAFFIC PATTERNS, OUTSIDE OF THE PAVEMENT MARKING LIMITS SHOWN IN THE PLANS, SHALL BE RE-ESTABLISHED FOR PROPOSED STRIPING AT THE COMPLETION OF THIS CONTRACT. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF PAVEMENT MARKING REMOVAL - WATER BLASTING AND RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL. THE EXACT LOCATIONS OF ALL PROPOSED PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
4. THE REMOVAL OF ALL PAVEMENT MARKING TAPE WILL BE PAID FOR AT THE CONTRACT UNIT PRICE SQUARE FOOT FOR SHORT TERM PAVEMENT MARKING REMOVAL.
5. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR ANY SHORT TERM PAVEMENT MARKINGS ON FINAL SURFACES. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR SHORT TERM PAVEMENT MARKING.
6. ALL TRAFFIC CONTROL DEVICES SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS SPECIFIED IN THE TRAFFIC CONTROL SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
7. FOR STABILIZATION, ANY REQUIRED TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
8. EXISTING SIGNS WITHIN THE LIMITS OF TRAFFIC CONTROL WHICH ARE OBSTRUCTED BY OR OTHERWISE INTERFERED WITH BY CONSTRUCTION OPERATIONS OF DESIGNATED TRAFFIC CONTROL, SHALL BE COVERED OR REMOVED BY THE CONTRACTOR UNLESS SPECIFIED IN THE PLANS OR WHEN DIRECTED BY THE ENGINEER. THIS WORK SHALL BE AS SPECIFIED IN ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
9. CHANGEABLE MESSAGE BOARDS WILL BE PLACED 2 WEEKS PRIOR TO START OF WORK, AT LOCATIONS DETERMINED BY THE ENGINEER, FOR ADVANCED WARNING.
10. SEE STRUCTURAL PLANS FOR BRIDGE DECK OVERLAY AND JOINT REPAIR INFORMATION.
11. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING ANY WORK.
12. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE ARTERIALS TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY STAGE CHANGES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATION.
13. CONTRACTOR TO PLACE ADVANCED SIGNAGE AT THE APPLICABLE LOCATIONS ALONG THE APPROACH LEGS OF THE US ROUTE 12/20/45 (LAGRANGE RD) INTERSECTION WITH 67TH STREET UTILIZING DISTRICT 1 STANDARD TC-10.
14. THE CONTRACTOR SHALL REQUEST AND GAIN THE APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT 1. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORK WEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.
15. LONG TERM RAMP CLOSURES AND THE DETOURS FOR THE RAMP CLOSURES SHOWN IN STAGE 1 MAY BE CLOSED FOR A PERIOD NO LONGER THAN 30 CONSECUTIVE DAYS.
16. CLOSING THE EXIT RAMP FROM I-55 TO US ROUTE 12/20/45 WILL REQUIRE ADVANCED STATIC SIGN NOTIFICATION IN ACCORDANCE WITH IDOT DISTRICT STANDARD TC-08. THIS SIGN MUST BE PLACED 7 DAYS AHEAD OF LONG TERM RAMP CLOSURE.
17. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY STAGES CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATION.

**SUGGESTED SEQUENCE OF OPERATIONS**

**PRE-STAGE**

1. INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS ALONG NB & SB US ROUTE 12/20/45 TO SHIFT TRAFFIC AS SHOWN IN THE PRE-STAGE STAGING PLANS.
2. REMOVE EXISTING GUARDRAIL AT LOCATIONS SHOWN IN THE ROADWAY PLANS.
3. CONSTRUCT PROPOSED HMA SHOULDERS ALONG NB & SB US ROUTE 12/20/45 AND RAMP AT LOCATIONS SHOWN ON THE ROADWAY PLANS.
4. CONSTRUCT PROPOSED AGGREGATE SHOULDERS AND REERECT EXISTING GUARDRAIL AT LOCATIONS SHOWN IN THE ROADWAY PLANS.
5. UTILIZING TEMPORARY LANE CLOSURES ALONG NB & SB I-55, DURING THE ALLOWABLE HOURS LISTED IN THE SPECIAL PROVISIONS, UTILIZE HIGHWAY AND DISTRICT STANDARDS TO INSTALL TRAFFIC CONTROL DEVICES AS REQUIRED TO CONSTRUCT PROTECTIVE SHIELDING UNDERNEATH S.N. 016-2665 AT LOCATIONS SHOWN ON THE STRUCTURAL PLANS.
6. INSTALL CHANGEABLE MESSAGE SIGNS, AT LOCATIONS DETERMINED BY THE ENGINEER, 14 DAYS AHEAD OF STAGE 1 RAMP CLOSURES.
7. INSTALL DETOUR SIGNING AS SHOWN ON THE DETOUR PLAN.

**STAGE 1**

1. INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS TO CLOSE LANE 2 IN BOTH DIRECTIONS AS SHOWN IN THE STAGE 1 STAGING PLANS.
2. CLOSE THE ENTRANCE RAMP FROM NB I-55 TO NB US ROUTE 12/20/45 & SB I-55 TO SB US ROUTE 12/20/45. IMPLEMENT US 12/20/45 NORTHBOUND DETOUR AND US 12/20/45 SOUTHBOUND DETOUR.
3. PERFORM BRIDGE DECK REPAIRS AND CONSTRUCT BRIDGE DECK OVERLAY AND PROPOSED BUTT JOINTS WITHIN THE LIMITS OF LANE 2 & THE OUTSIDE SHOULDER IN BOTH DIRECTIONS AS SHOWN IN THE STAGE 1 STAGING AND STRUCTURAL PLANS.
4. ADJUST EXISTING DRAINAGE STRUCTURES AT LOCATIONS SHOWN ON THE ROADWAY PLANS.

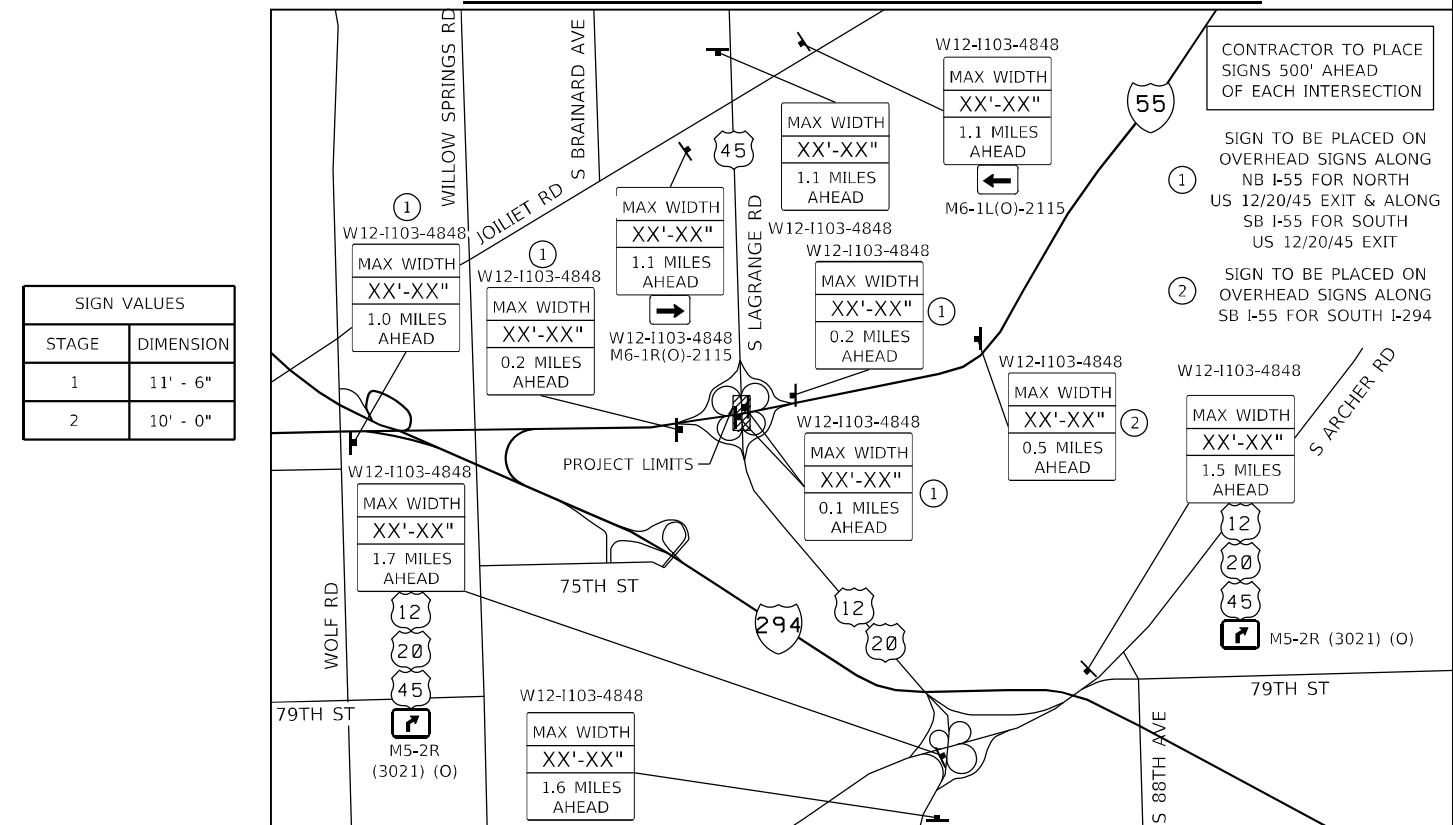
**STAGE 2**

1. INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS TO CLOSE LANE 1 IN BOTH DIRECTIONS AND SHIFT TRAFFIC ONTO THE OUTSIDE SHOULDERS AS SHOWN IN THE STAGE 2 STAGING PLANS.
2. REMOVE DETOUR SIGNAGE AND OPEN ENTRANCE RAMP TO TRAFFIC.
3. PERFORM BRIDGE DECK REPAIRS AND CONSTRUCT BRIDGE DECK OVERLAY AND PROPOSED BUTT JOINTS WITHIN THE LIMITS OF LANE 1 AS SHOWN IN THE STAGE 2 STAGING AND STRUCTURAL PLANS.

**POST-STAGE**

1. DURING THE ALLOWABLE HOURS LISTED IN THE SPECIAL PROVISIONS, UTILIZE HIGHWAY AND DISTRICT STANDARDS TO INSTALL TRAFFIC CONTROL DEVICES AS REQUIRED TO PLACE PERMANENT PAVEMENT MARKINGS AT THE LOCATIONS SHOWN IN THE PLANS.

**ADVANCED WIDTH RESTRICTION SIGNING DETAIL - STAGE 1 AND STAGE 2**



SIGN VALUES	
STAGE	DIMENSION
1	11' - 6"
2	10' - 0"



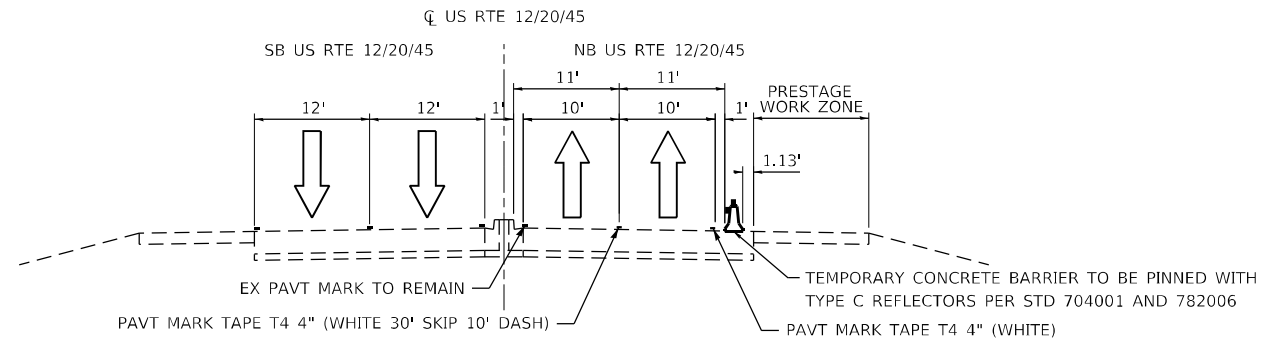
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PLOT SCALE = 100,0000' / in.	DRAWN - JK	REVISED -
PLOT DATE = 4/26/2023	CHECKED - RC	REVISED -
	DATE - 3/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
STAGING GENERAL NOTES & SUGGESTED SEQUENCE**

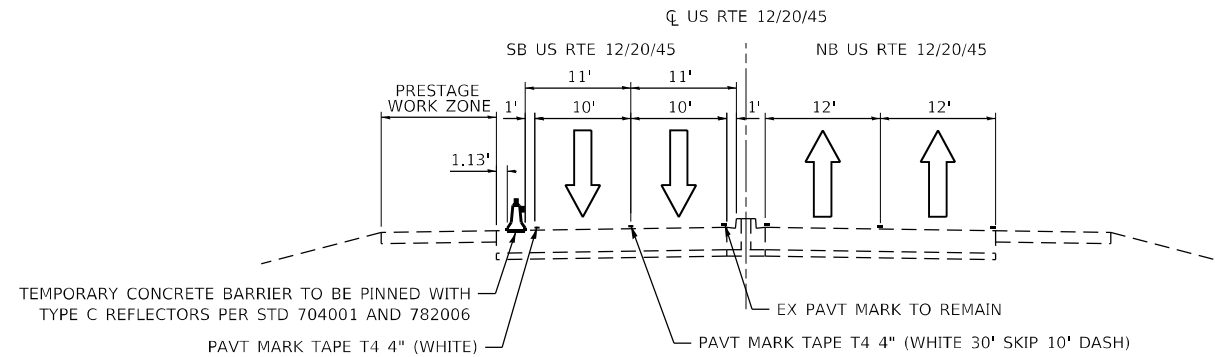
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE. 55	SECTION FAI 55 22 BJ	COUNTY COOK	TOTAL SHEETS 59	SHEET NO. 12
CONTRACT NO. 62R88			ILLINOIS FED. AID PROJECT	



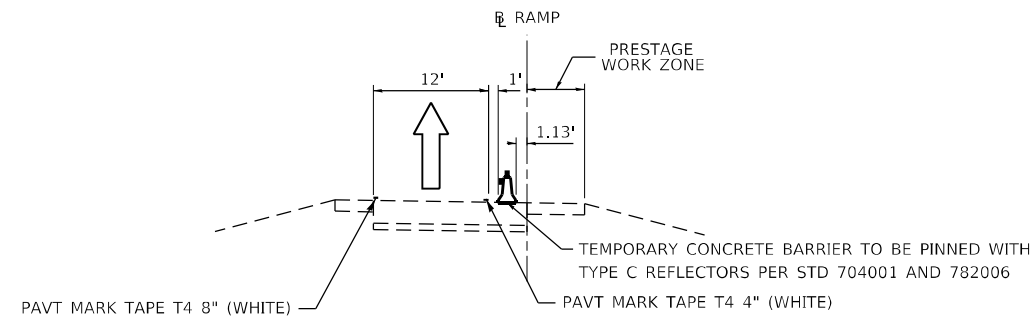
**PRE-STAGE TYPICAL SECTION - NB US RTE 12/20/45**

FAP 0330 OVER I-55  
LOOKING NORTH  
STA 193+61 TO STA 197+48



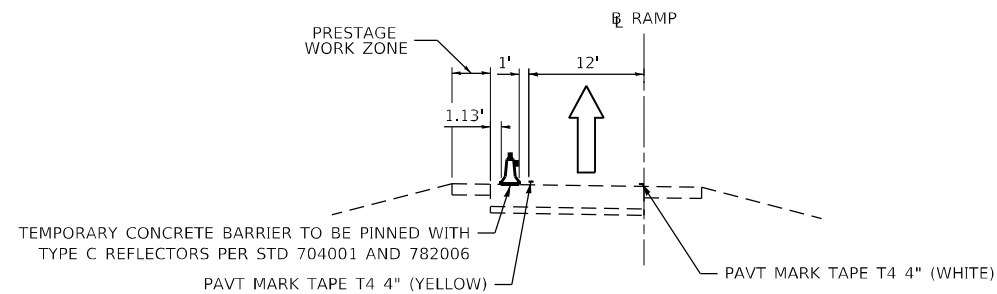
**PRE-STAGE TYPICAL SECTION - SB US RTE 12/20/45**

FAP 0330 OVER I-55  
LOOKING NORTH  
STA 203+08 TO STA 206+95



**PRE-STAGE TYPICAL SECTION - RAMP B & F**

FAP 0330 OVER I-55  
LOOKING IN DIRECTION OF TRAFFIC



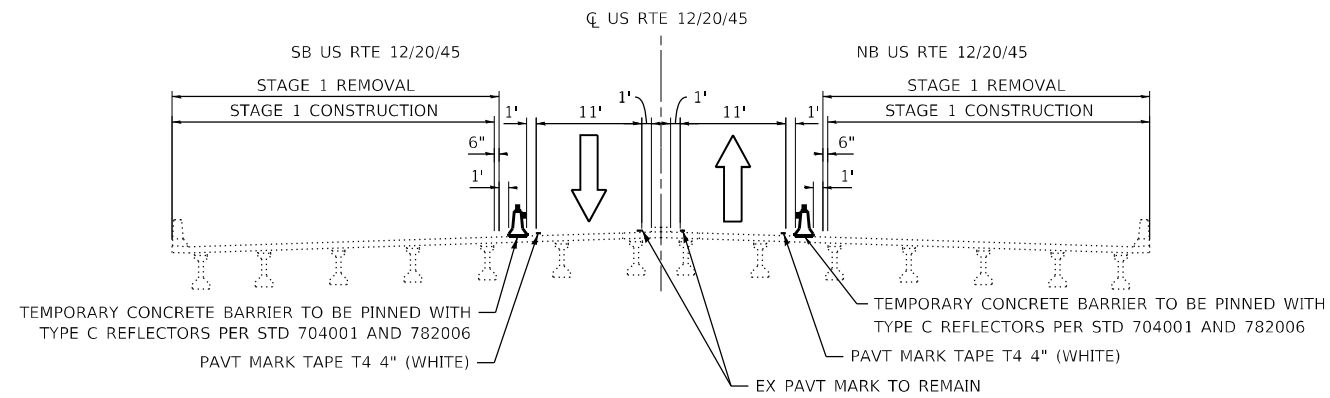
**PRE-STAGE TYPICAL SECTION - RAMP D & H**

FAP 0330 OVER I-55  
LOOKING IN DIRECTION OF TRAFFIC

**NOTE:**  
TEMPORARY CONCRETE BARRIER SHALL NOT BE PINNED WITHIN THE LIMITS OF THE BRIDGE APPROACH SLABS AND DECK IN ORDER TO PREVENT UNNECESSARY DAMAGE TO THE STRUCTURE.

USER NAME = 14nho	DESIGNED - RC	REVISED -
	DRAWN - JK	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED - ST	REVISED -
PLOT DATE = 3/21/2023	DATE - 3/2023	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R88	

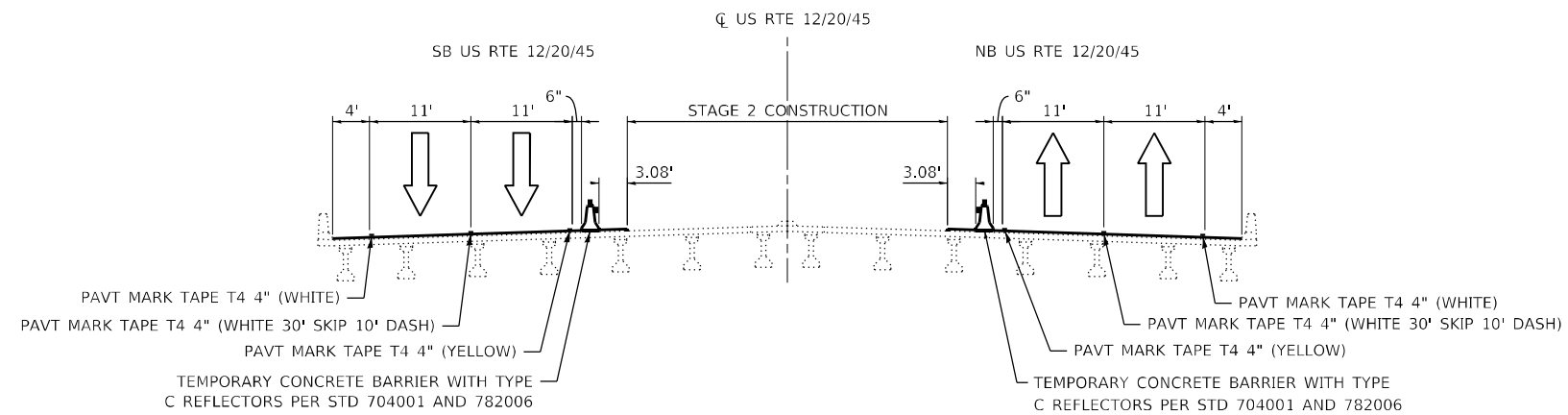


**STAGE 1 TYPICAL SECTION – S.N. 016–2665**

FAP 0330 OVER I-55  
LOOKING NORTH

**NOTE:**

TEMPORARY CONCRETE BARRIER SHALL NOT BE PINNED WITHIN THE LIMITS OF THE BRIDGE APPROACH SLABS AND DECK IN ORDER TO PREVENT UNNECESSARY DAMAGE TO THE STRUCTURE.

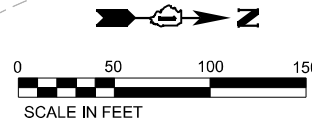


**STAGE 2 TYPICAL SECTION – S.N. 016–2665**

FAP 0330 OVER I-55  
LOOKING NORTH

USER NAME = 14nho	DESIGNED - RC	REVISED -
	DRAWN - JK	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED - ST	REVISED -
PLOT DATE = 3/21/2023	DATE - 3/2023	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R88	



**NOTE:**  
 TEMPORARY CONCRETE BARRIER SHALL NOT BE PINNED WITHIN THE LIMITS OF THE BRIDGE APPROACH SLABS AND DECK IN ORDER TO PREVENT UNNECESSARY DAMAGE TO THE STRUCTURE.

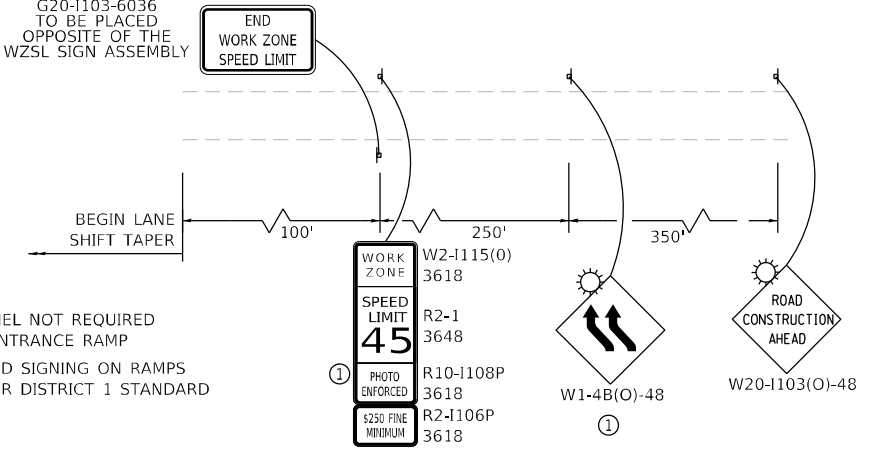
N 1855582.77  
 E 1111160.03

N 1855688.74  
 E 1111532.94

G20-1103-6036  
 TO BE PLACED  
 OPPOSITE OF THE  
 WZSL SIGN ASSEMBLY

- ① SIGN PANEL NOT REQUIRED ALONG ENTRANCE RAMP
- ② ADVANCED SIGNING ON RAMPS TO BE PER DISTRICT 1 STANDARD TC-17.

**SB ADVANCED SIGNING DETAIL**



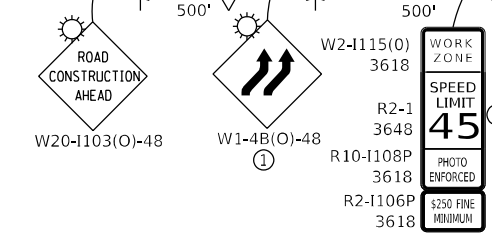
FOR SIGNAGE ALONG US 12/20/45 SEE SB ADVANCED SIGNING DETAIL

BEGIN LANE SHIFT TAPER ALONG US 12/20/45

SB US RTE 12/20/45  
 NB US RTE 12/20/45

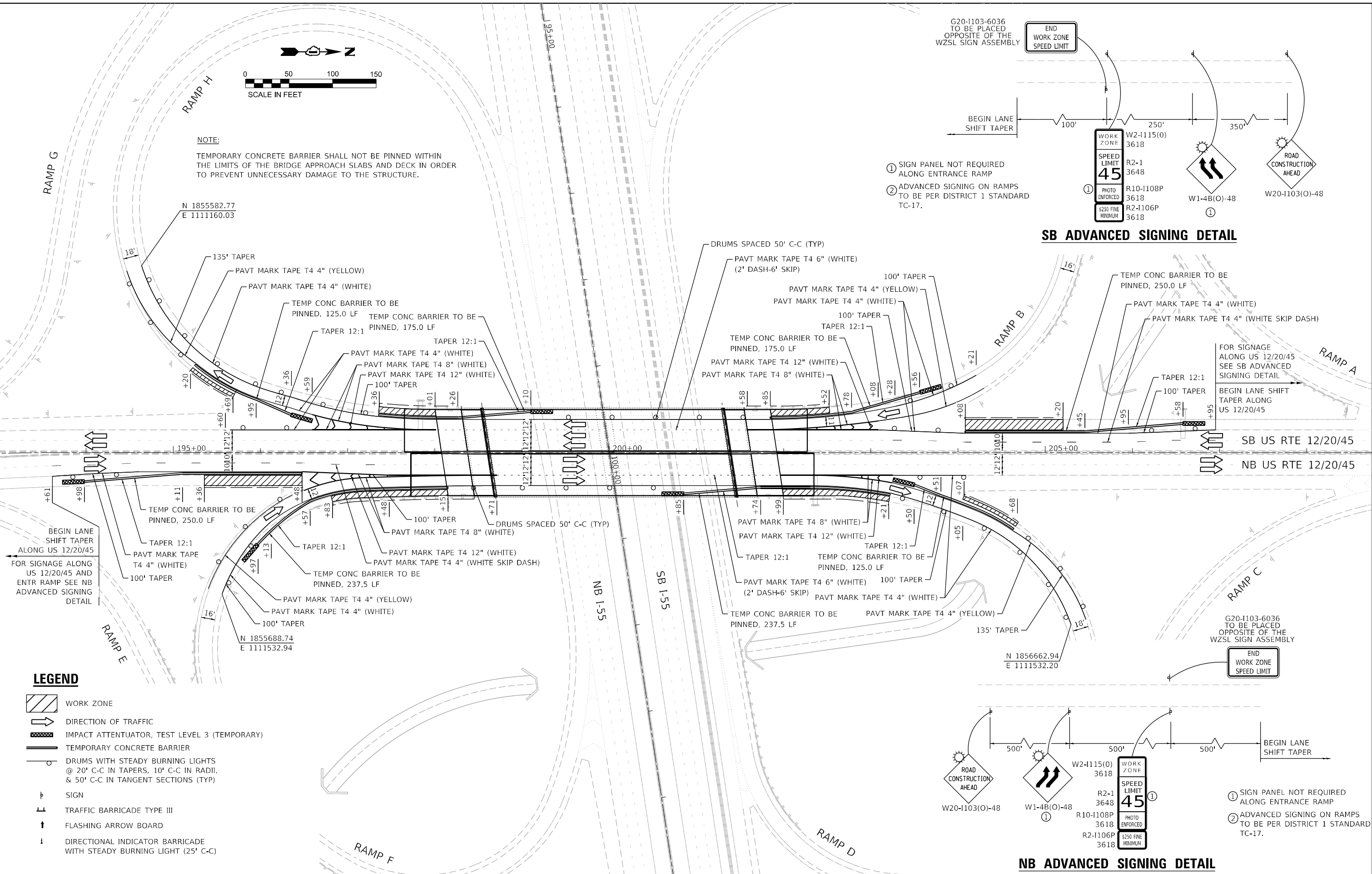
G20-1103-6036  
 TO BE PLACED  
 OPPOSITE OF THE  
 WZSL SIGN ASSEMBLY

G20-1103-6036  
 TO BE PLACED  
 OPPOSITE OF THE  
 WZSL SIGN ASSEMBLY



- ① SIGN PANEL NOT REQUIRED ALONG ENTRANCE RAMP
- ② ADVANCED SIGNING ON RAMPS TO BE PER DISTRICT 1 STANDARD TC-17.

**NB ADVANCED SIGNING DETAIL**



**LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
- TEMPORARY CONCRETE BARRIER
- DRUMS WITH STEADY BURNING LIGHTS @ 20' C-C IN TAPERS, 10' C-C IN RADII, & 50' C-C IN TANGENT SECTIONS (TYP)
- SIGN
- TRAFFIC BARRICADE TYPE III
- FLASHING ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURNING LIGHT (25' C-C)

**LE LIN ENGINEERING, LTD.**  
 Consulting Engineers  
 Westmont, Illinois

USER NAME = l14nho	DESIGNED - JK	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JK	REVISED -
PLOT DATE = 4/26/2023	CHECKED - RC	REVISED -
	DATE - 3/2023	REVISED -

DESIGNED - JK	REVISED -
DRAWN - JK	REVISED -
CHECKED - RC	REVISED -
DATE - 3/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

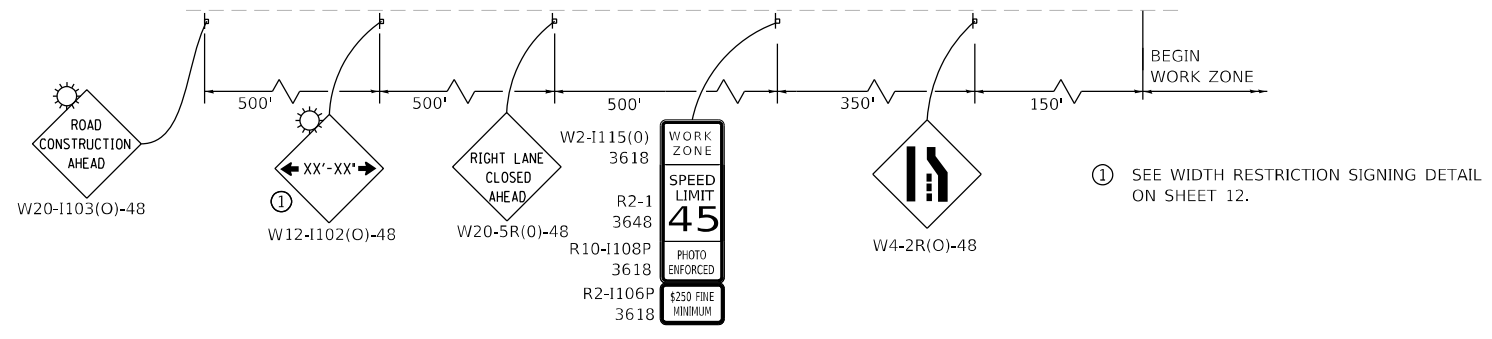
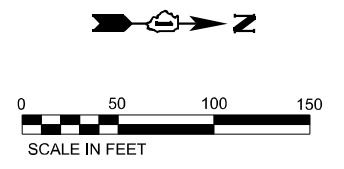
**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
 STAGING PLAN - PRE-STAGE**

SCALE: N.T.S. SHEET 1 OF 7 SHEETS STA. 193+00.00 TO STA. 209+00.00

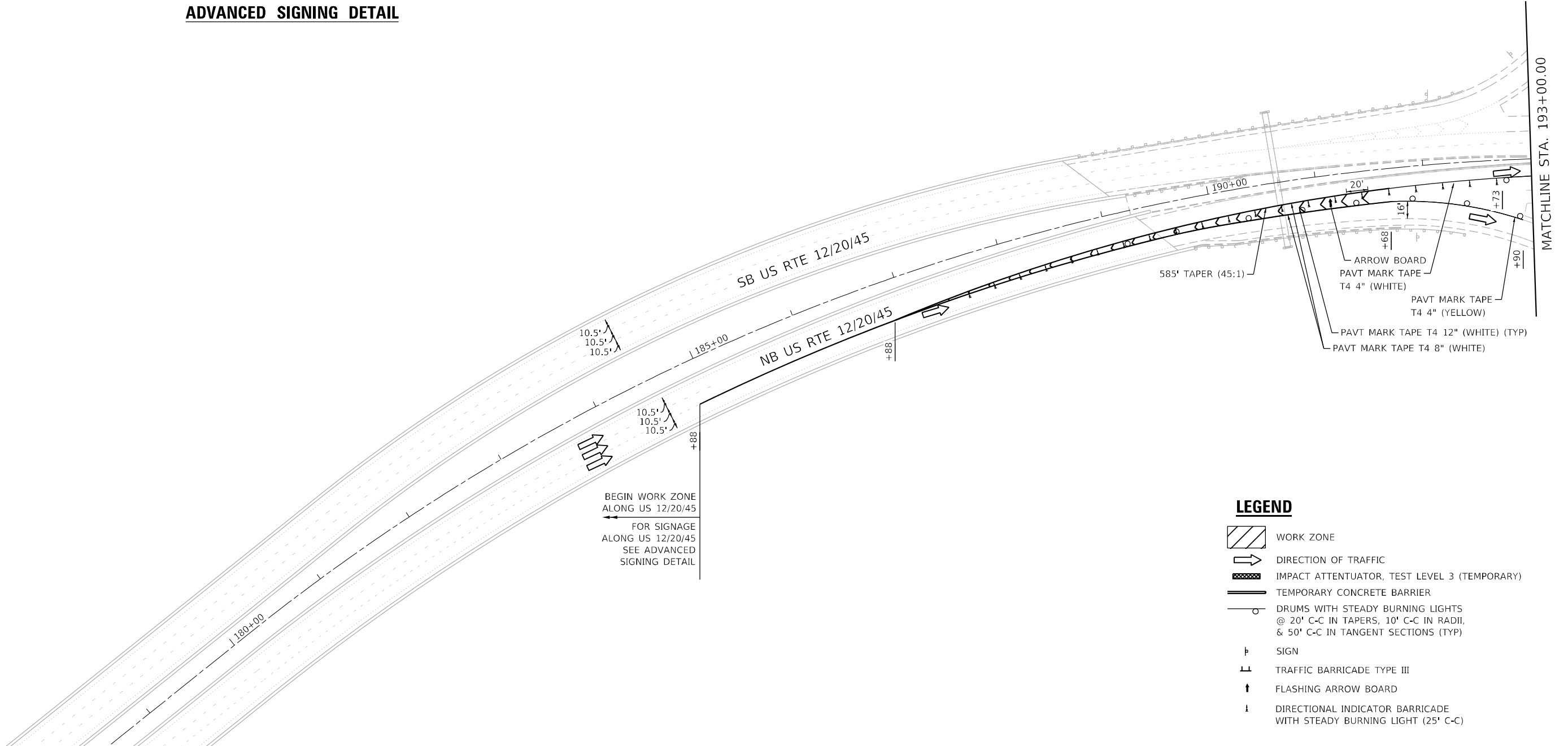
F.A.I. RTE. 55	SECTION FAI 55 22 BJ	COUNTY COOK	TOTAL SHEETS 59	SHEET NO. 15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R88	

G20-103-6036  
TO BE PLACED  
OPPOSITE OF THE  
WZSL SIGN ASSEMBLY

END  
WORK ZONE  
SPEED LIMIT



**ADVANCED SIGNING DETAIL**



- LEGEND**
- WORK ZONE
  - DIRECTION OF TRAFFIC
  - IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
  - TEMPORARY CONCRETE BARRIER
  - DRUMS WITH STEADY BURNING LIGHTS @ 20' C-C IN TAPERS, 10' C-C IN RADII, & 50' C-C IN TANGENT SECTIONS (TYP)
  - SIGN
  - TRAFFIC BARRICADE TYPE III
  - FLASHING ARROW BOARD
  - DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURNING LIGHT (25' C-C)

**LIN ENGINEERING, LTD.**  
Consulting Engineers  
Westmont, Illinois

USER NAME = 14nho	DESIGNED - JK	REVISED -
	DRAWN - JK	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - RC	REVISED -
PLOT DATE = 4/26/2023	DATE - 3/2023	REVISED -

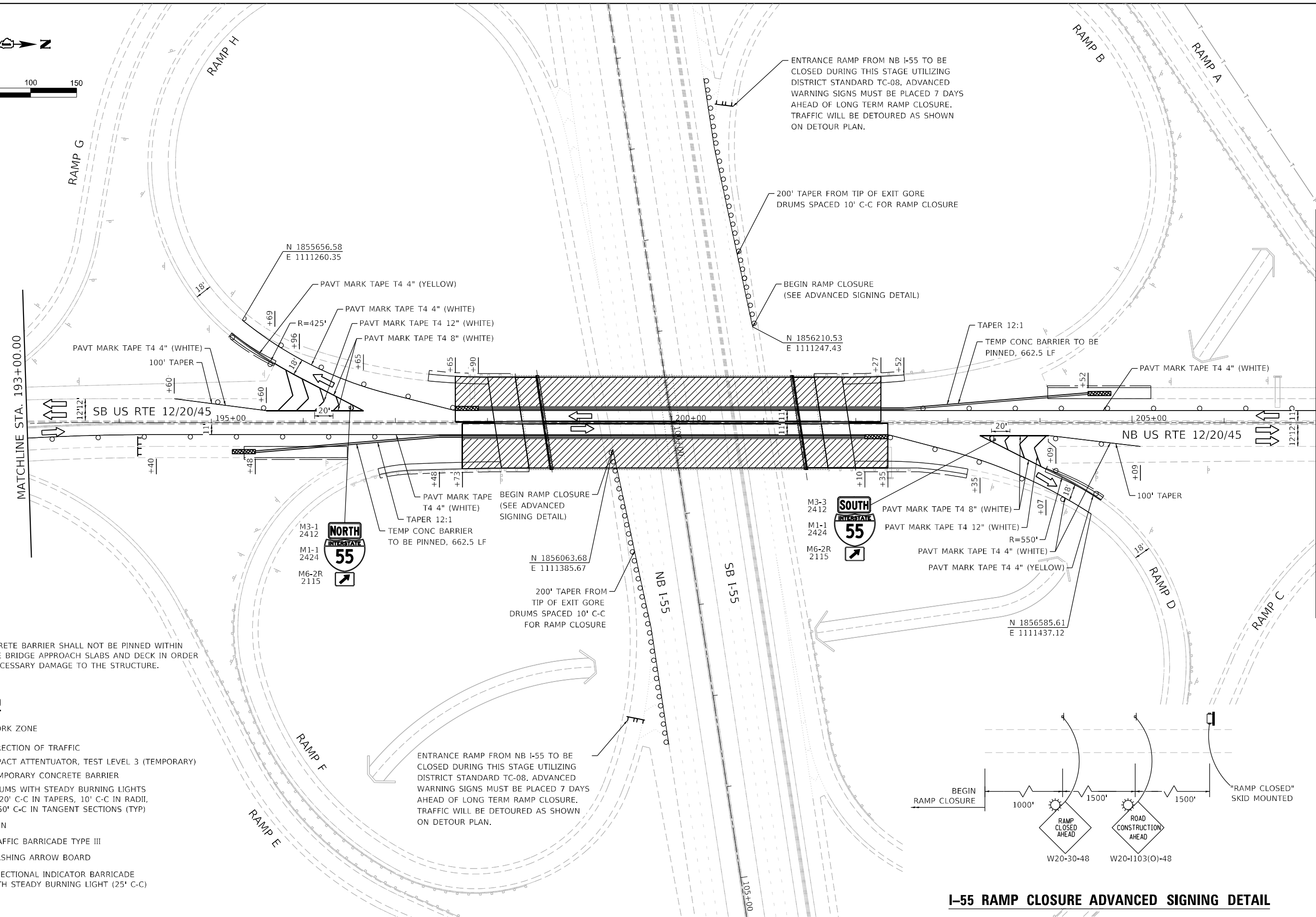
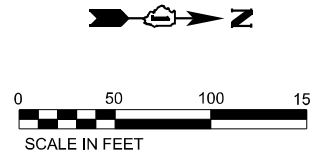
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
STAGING PLAN - STAGE 1**

SCALE: N.T.S. SHEET 2 OF 7 SHEETS STA. 179+00.00 TO STA. 193+00.00

F.A.I. RTE. 55	SECTION FAI 55 22 BJ	COUNTY COOK	TOTAL SHEETS 59	SHEET NO. 16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R88	

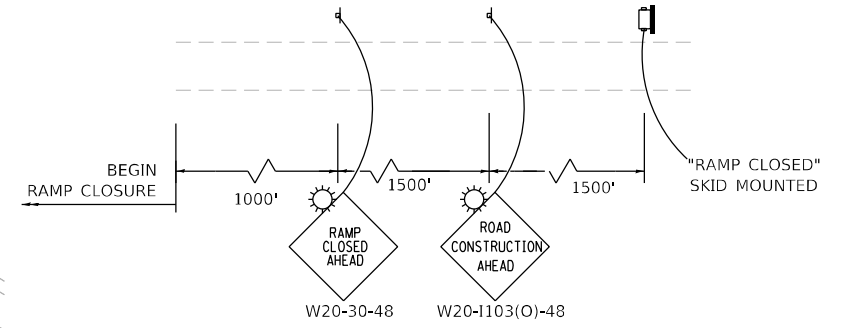




**NOTE:**  
 TEMPORARY CONCRETE BARRIER SHALL NOT BE PINNED WITHIN THE LIMITS OF THE BRIDGE APPROACH SLABS AND DECK IN ORDER TO PREVENT UNNECESSARY DAMAGE TO THE STRUCTURE.

**LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
- TEMPORARY CONCRETE BARRIER
- DRUMS WITH STEADY BURNING LIGHTS @ 20' C-C IN TAPERS, 10' C-C IN RADII, & 50' C-C IN TANGENT SECTIONS (TYP)
- SIGN
- TRAFFIC BARRICADE TYPE III
- FLASHING ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURNING LIGHT (25' C-C)



**I-55 RAMP CLOSURE ADVANCED SIGNING DETAIL**

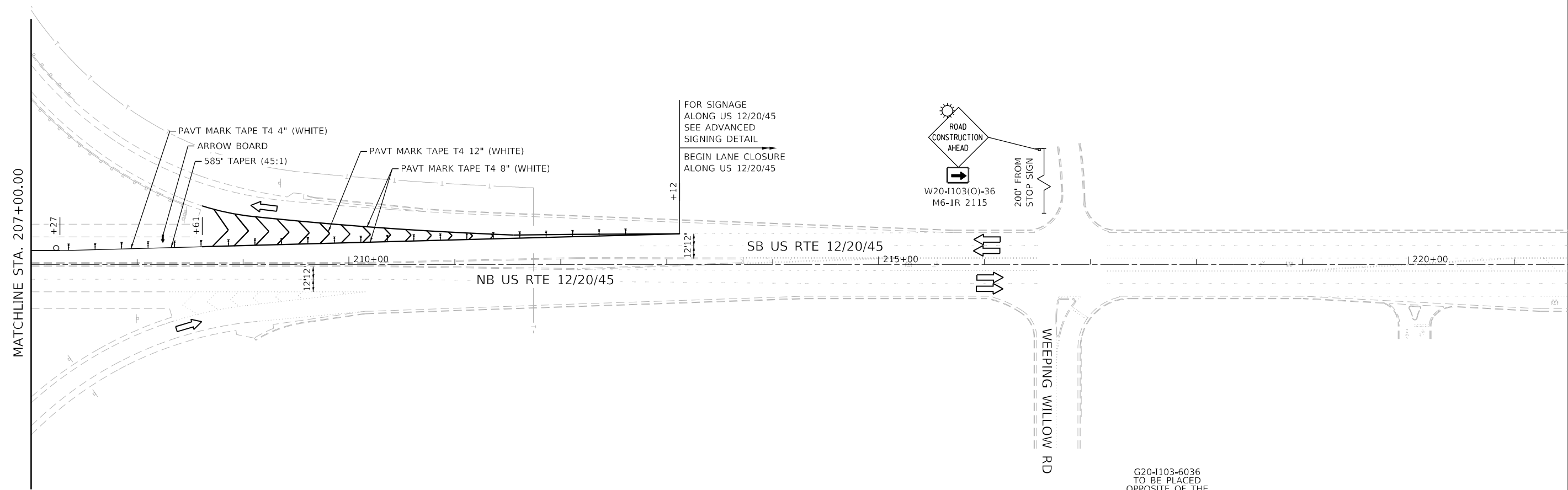
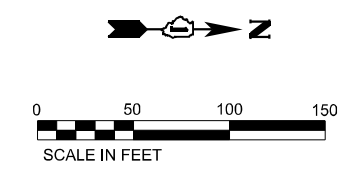


USER NAME = l1nho	DESIGNED - JK	REVISED -
	DRAWN - JK	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - RC	REVISED -
PLOT DATE = 4/26/2023	DATE - 3/2023	REVISED -

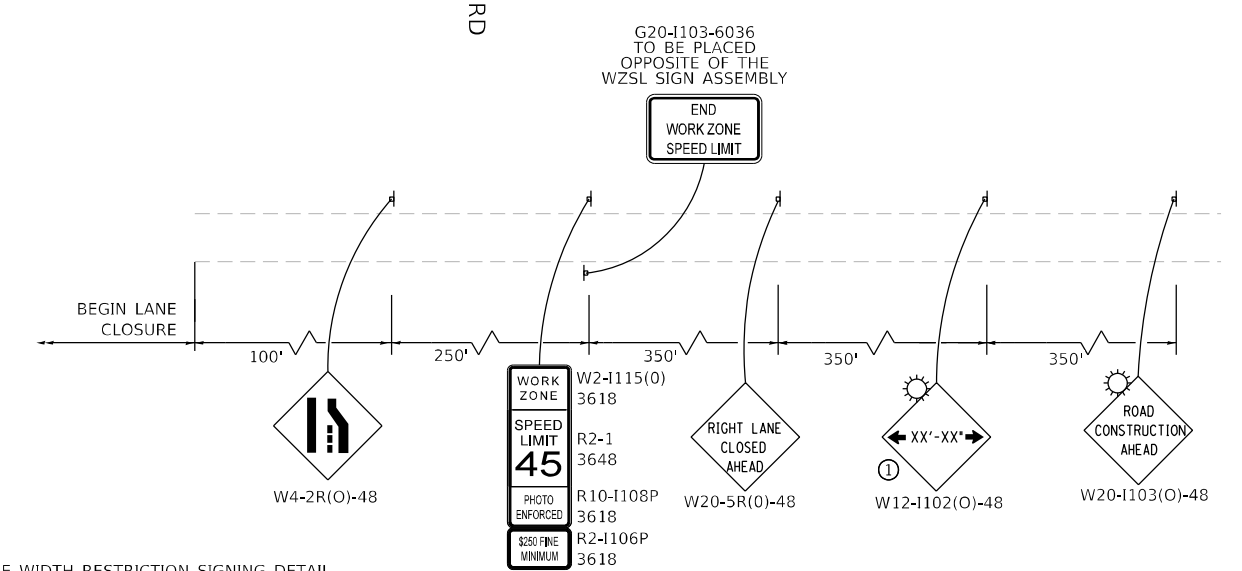
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
 STAGING PLAN - STAGE 1**  
 SCALE: N.T.S. SHEET 3 OF 7 SHEETS STA. 193+00.00 TO STA. 207+00.00

F.A.I. RTE. = 55	SECTION = FAI 55 22 BJ	COUNTY = COOK	TOTAL SHEETS = 59	SHEET NO. = 17
CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- WORK ZONE
  - DIRECTION OF TRAFFIC
  - IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
  - TEMPORARY CONCRETE BARRIER
  - DRUMS WITH STEADY BURNING LIGHTS @ 20' C-C IN TAPERS, 10' C-C IN RADII, & 50' C-C IN TANGENT SECTIONS (TYP)
  - SIGN
  - TRAFFIC BARRICADE TYPE III
  - FLASHING ARROW BOARD
  - DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURNING LIGHT (25' C-C)



① SEE WIDTH RESTRICTION SIGNING DETAIL ON SHEET 12.

**ADVANCED SIGNING DETAIL**



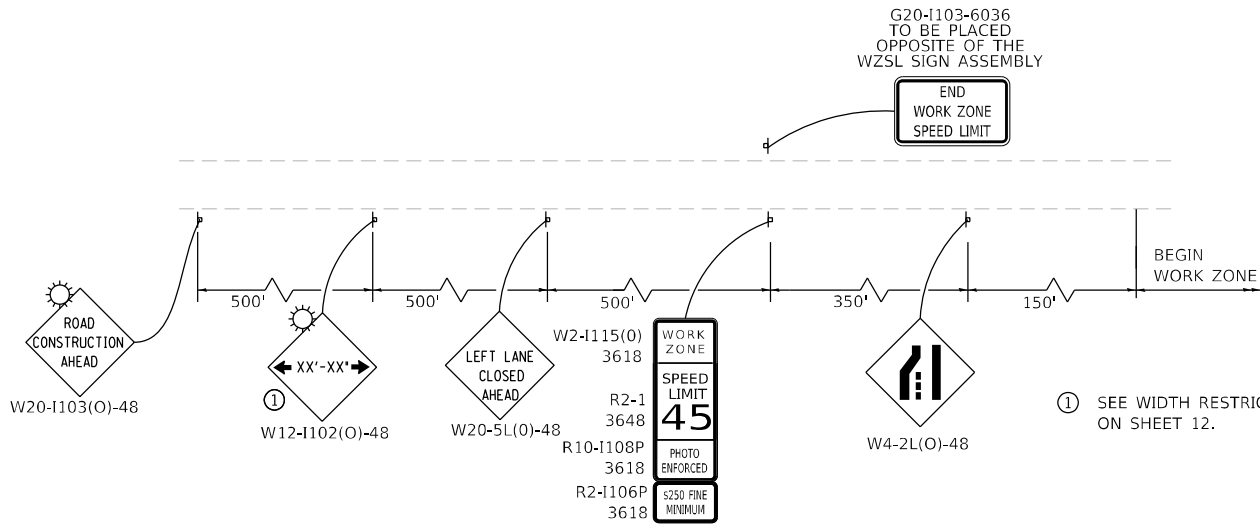
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	DRAWN - JK	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - RC	REVISED -
PLOT DATE = 4/26/2023	DATE - 3/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

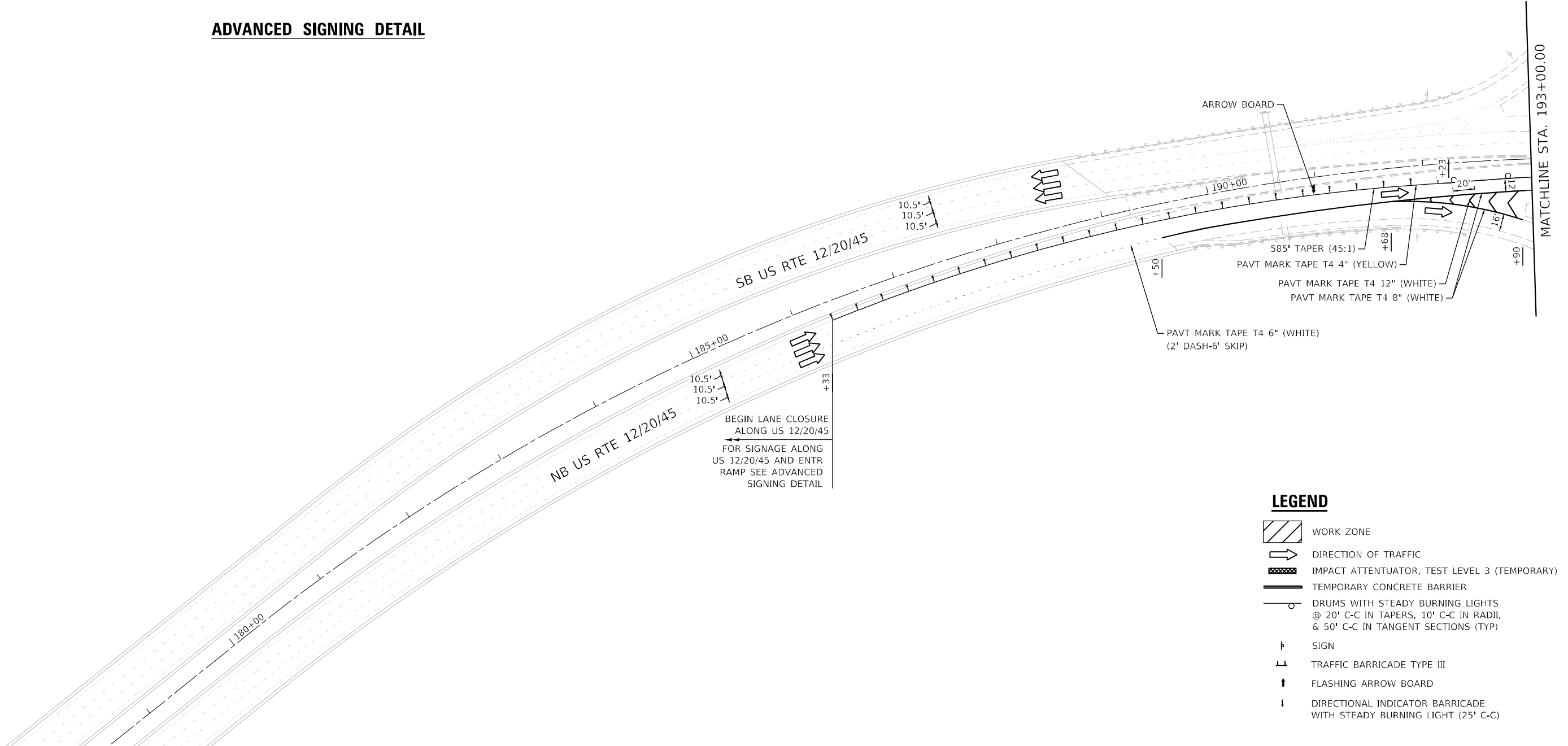
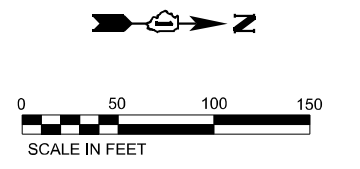
**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
STAGING PLAN - STAGE 1**

SCALE: N.T.S. SHEET 4 OF 7 SHEETS STA. 207+00.00 TO STA. 221+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R88	



**ADVANCED SIGNING DETAIL**

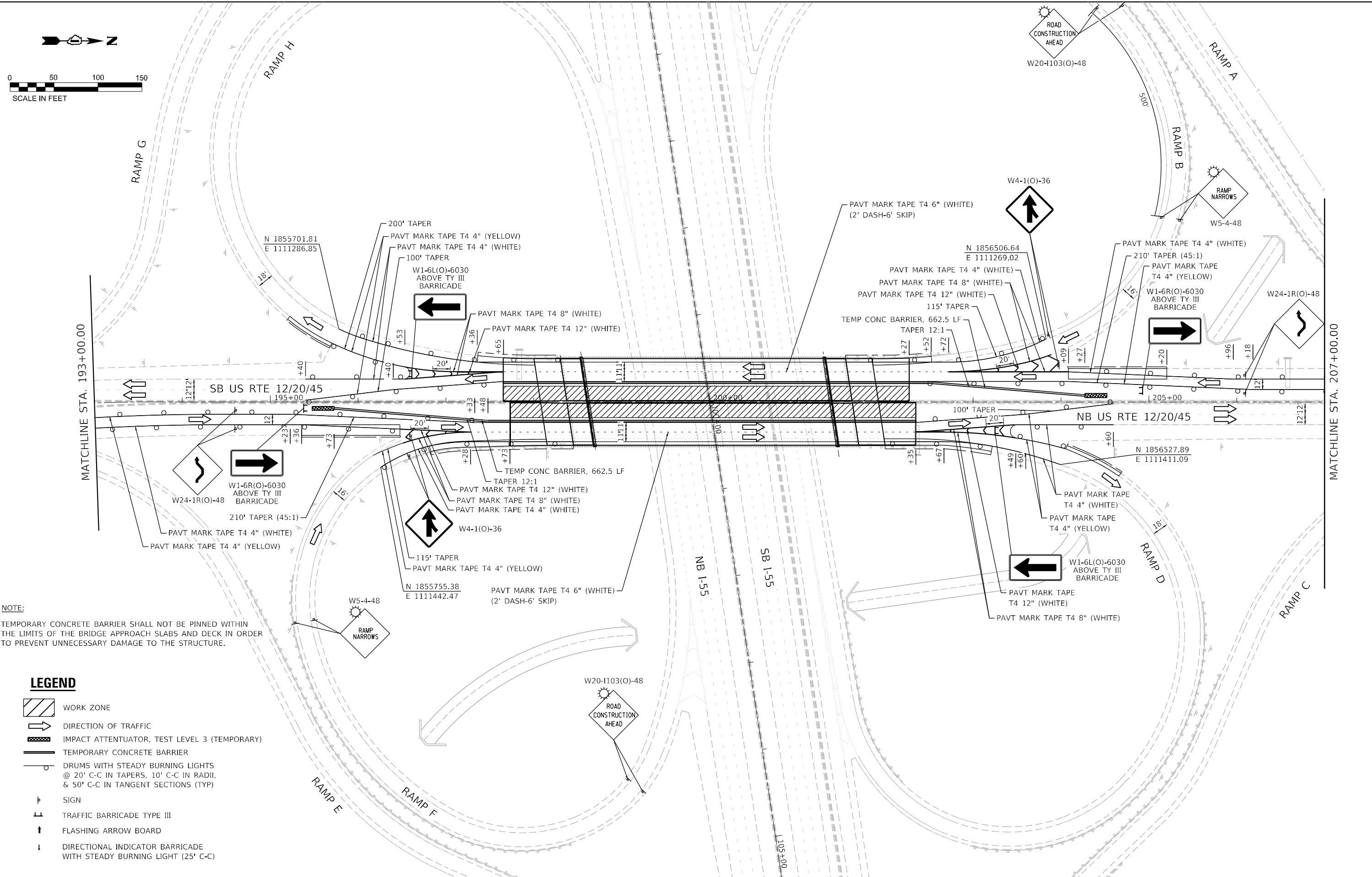


**LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
- TEMPORARY CONCRETE BARRIER
- DRUMS WITH STEADY BURNING LIGHTS @ 20' C-C IN TAPERS, 10' C-C IN RADII, & 50' C-C IN TANGENT SECTIONS (TYP)
- SIGN
- TRAFFIC BARRICADE TYPE III
- FLASHING ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURNING LIGHT (25' C-C)

USER NAME = 14nho	DESIGNED - JK	REVISED -
	DRAWN - JK	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - RC	REVISED -
PLOT DATE = 4/26/2023	DATE - 3/2023	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	19
CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				



NOTE:  
 TEMPORARY CONCRETE BARRIER SHALL NOT BE PINNED WITHIN THE LIMITS OF THE BRIDGE APPROACH SLABS AND DECK IN ORDER TO PREVENT UNNECESSARY DAMAGE TO THE STRUCTURE.

**LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
- TEMPORARY CONCRETE BARRIER
- DRUMS WITH STEADY BURNING LIGHTS @ 20' C-C IN TAPERS, 10' C-C IN RADII, & 50' C-C IN TANGENT SECTIONS (TYP)
- SIGN
- TRAFFIC BARRICADE TYPE III
- FLASHING ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURNING LIGHT (25' C-C)



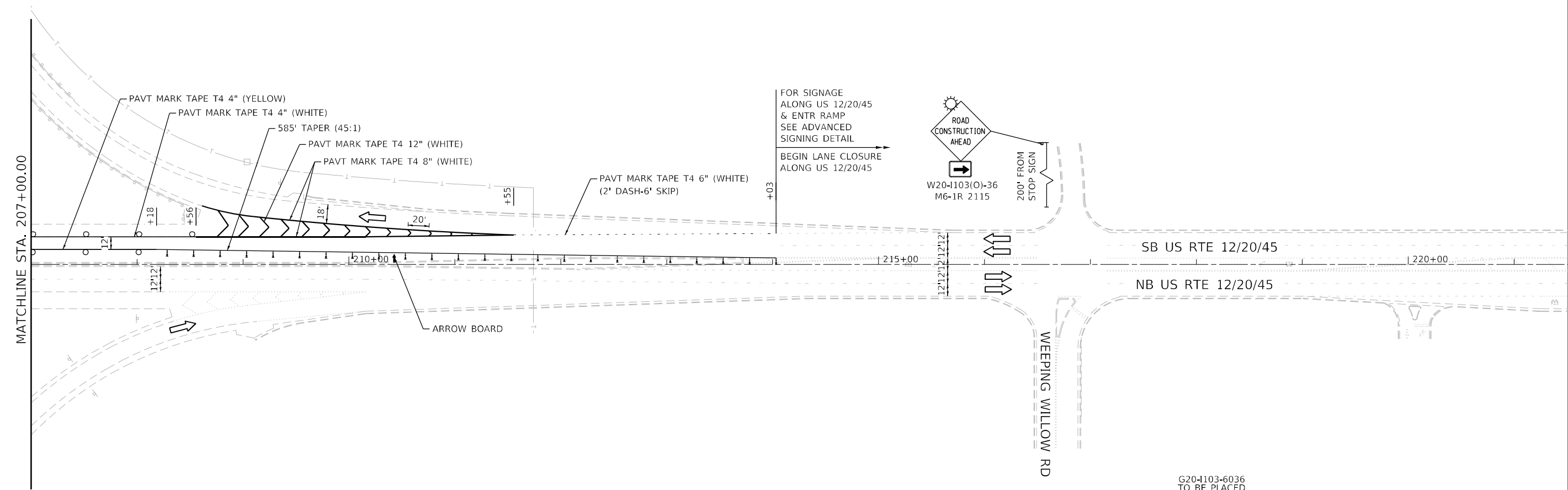
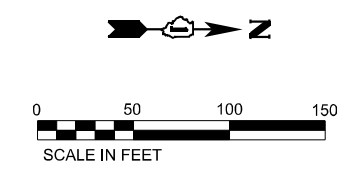
USER NAME = 14nho	DESIGNED - JK	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JK	REVISED -
PLOT DATE = 4/26/2023	CHECKED - RC	REVISED -
	DATE - 3/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

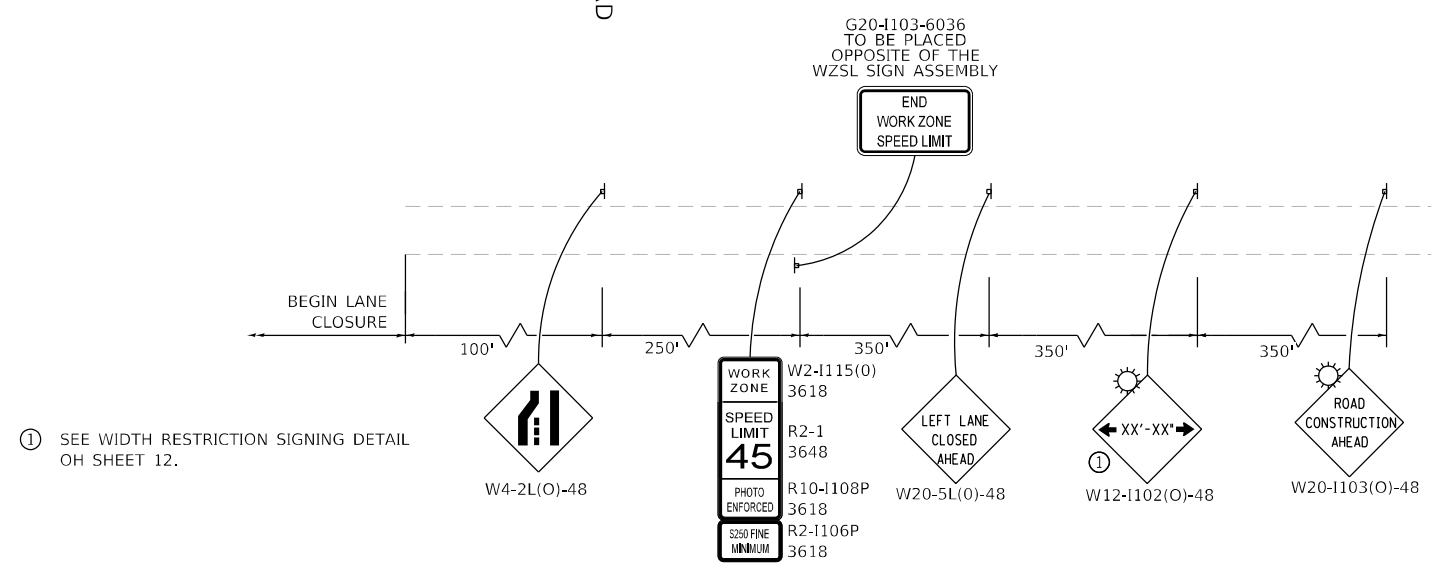
**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
 STAGING PLAN - STAGE 2**

SCALE: N.T.S. SHEET 6 OF 7 SHEETS STA. 193+00.00 TO STA. 207+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	20
CONTRACT NO. 62R88			ILLINOIS FED. AID PROJECT	



- LEGEND**
- WORK ZONE
  - DIRECTION OF TRAFFIC
  - IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
  - TEMPORARY CONCRETE BARRIER
  - DRUMS WITH STEADY BURNING LIGHTS @ 20' C-C IN TAPERS, 10' C-C IN RADII, & 50' C-C IN TANGENT SECTIONS (TYP)
  - SIGN
  - TRAFFIC BARRICADE TYPE III
  - FLASHING ARROW BOARD
  - DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURNING LIGHT (25' C-C)



**ADVANCED SIGNING DETAIL**



USER NAME = 14nho	DESIGNED - JK	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN - JK	REVISED -
PLOT DATE = 4/26/2023	CHECKED - RC	REVISED -
	DATE - 3/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
STAGING PLAN - STAGE 2**

SCALE: N.T.S. SHEET 7 OF 7 SHEETS STA. 207+00.00 TO STA. 221+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	21
CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				

**SIGN LEGEND**

①		M4-8 36X18
②		M3-3 36X18
③		M3-1 36X18
④		M6-3 (3021)
⑤		M6-2L (3021)
⑤A		M5-2L (3021)
⑥		M6-2R (3021)
⑥A		M5-2R (3021)
⑦		M6-1L (3021)
⑦A		M6-1R (3021)
⑧		M5-1R (3021)
⑧A		M5-1L (3021)

⑨		M1-1 36X36
⑩		W20-2-4848
⑪		M4-8a 30X15
⑫		PORTABLE CHANGEABLE MESSAGE SIGN
⑬		W20-3-4848

- - - - - US 12/20/45 NORTHBOUND DETOUR  
 - - - - - US 12/20/45 SOUTHBOUND DETOUR

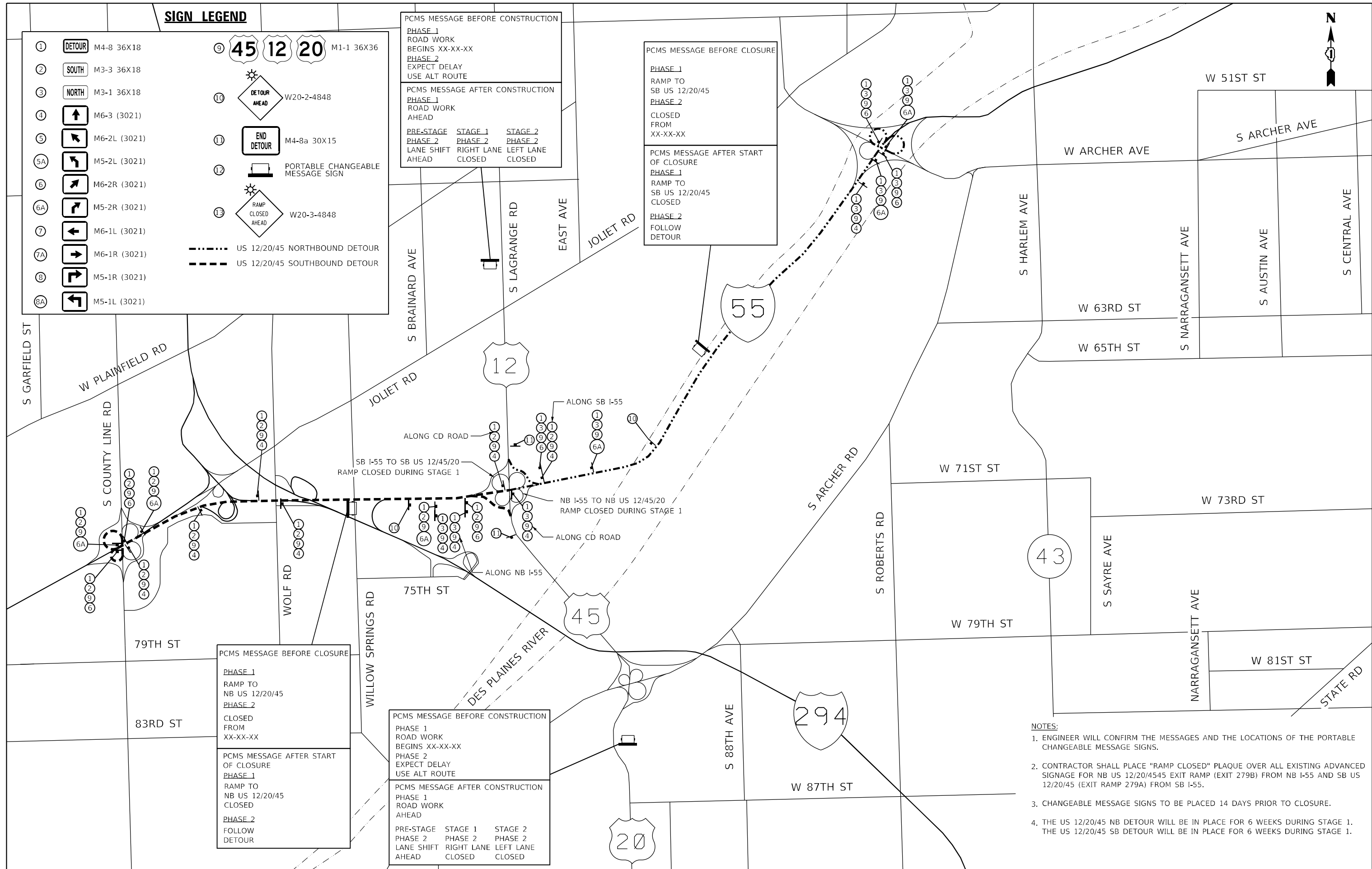
PCMS MESSAGE BEFORE CONSTRUCTION  
 PHASE 1  
 ROAD WORK  
 BEGINS XX-XX-XX  
 PHASE 2  
 EXPECT DELAY  
 USE ALT ROUTE

PCMS MESSAGE AFTER CONSTRUCTION  
 PHASE 1  
 ROAD WORK  
 AHEAD

PRE-STAGE	STAGE 1	STAGE 2
PHASE 2	PHASE 2	PHASE 2
LANE SHIFT AHEAD	RIGHT LANE CLOSED	LEFT LANE CLOSED

PCMS MESSAGE BEFORE CLOSURE  
 PHASE 1  
 RAMP TO  
 SB US 12/20/45  
 PHASE 2  
 CLOSED FROM  
 XX-XX-XX

PCMS MESSAGE AFTER START OF CLOSURE  
 PHASE 1  
 RAMP TO  
 SB US 12/20/45  
 CLOSED  
 PHASE 2  
 FOLLOW  
 DETOUR



PCMS MESSAGE BEFORE CLOSURE  
 PHASE 1  
 RAMP TO  
 NB US 12/20/45  
 PHASE 2  
 CLOSED FROM  
 XX-XX-XX

PCMS MESSAGE AFTER START OF CLOSURE  
 PHASE 1  
 RAMP TO  
 NB US 12/20/45  
 CLOSED  
 PHASE 2  
 FOLLOW  
 DETOUR

PCMS MESSAGE BEFORE CONSTRUCTION  
 PHASE 1  
 ROAD WORK  
 BEGINS XX-XX-XX  
 PHASE 2  
 EXPECT DELAY  
 USE ALT ROUTE

PCMS MESSAGE AFTER CONSTRUCTION  
 PHASE 1  
 ROAD WORK  
 AHEAD

PRE-STAGE	STAGE 1	STAGE 2
PHASE 2	PHASE 2	PHASE 2
LANE SHIFT AHEAD	RIGHT LANE CLOSED	LEFT LANE CLOSED

- NOTES:**
- ENGINEER WILL CONFIRM THE MESSAGES AND THE LOCATIONS OF THE PORTABLE CHANGEABLE MESSAGE SIGNS.
  - CONTRACTOR SHALL PLACE "RAMP CLOSED" PLAQUE OVER ALL EXISTING ADVANCED SIGNAGE FOR NB US 12/20/45/45 EXIT RAMP (EXIT 279B) FROM NB I-55 AND SB US 12/20/45 (EXIT RAMP 279A) FROM SB I-55.
  - CHANGEABLE MESSAGE SIGNS TO BE PLACED 14 DAYS PRIOR TO CLOSURE.
  - THE US 12/20/45 NB DETOUR WILL BE IN PLACE FOR 6 WEEKS DURING STAGE 1. THE US 12/20/45 SB DETOUR WILL BE IN PLACE FOR 6 WEEKS DURING STAGE 1.



USER NAME = 14nho	DESIGNED - JK	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - JK	REVISED -
PLOT DATE = 4/21/2023	CHECKED - RC	REVISED -
	DATE - 3/2023	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

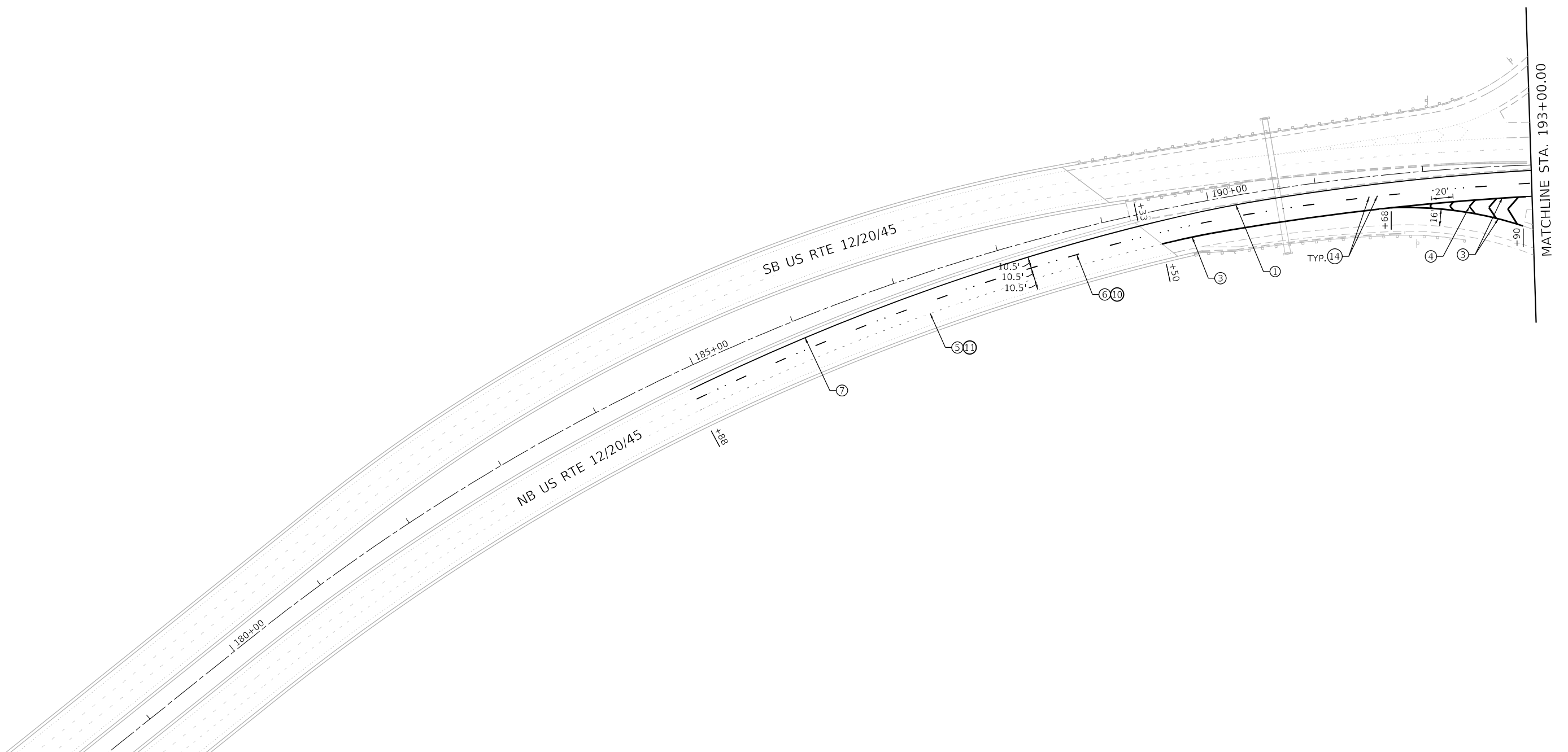
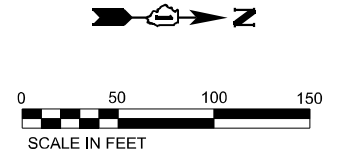
I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
 DETOUR PLAN

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

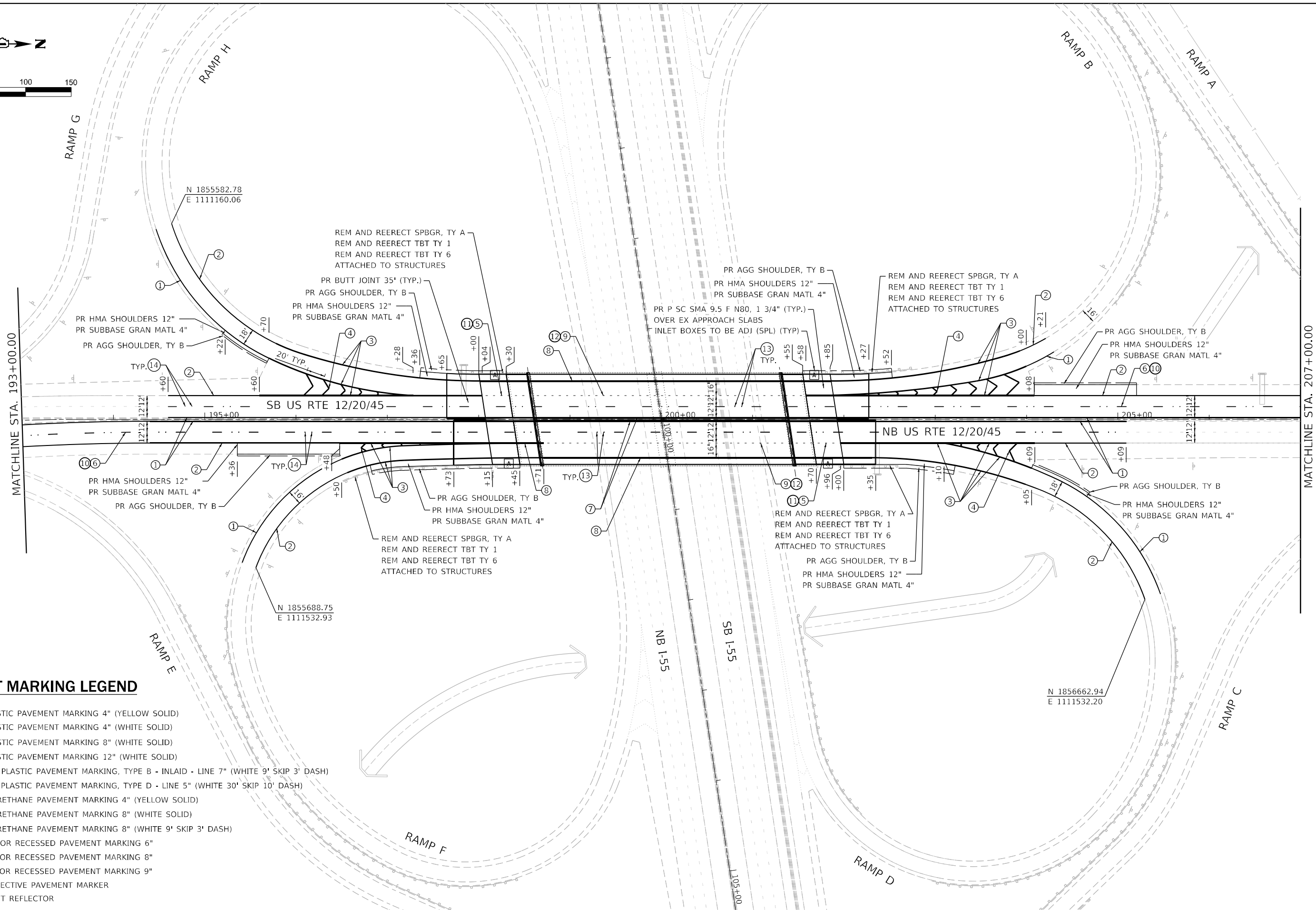
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	22
CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				

### PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING 4" (YELLOW SOLID)
- ② THERMOPLASTIC PAVEMENT MARKING 4" (WHITE SOLID)
- ③ THERMOPLASTIC PAVEMENT MARKING 8" (WHITE SOLID)
- ④ THERMOPLASTIC PAVEMENT MARKING 12" (WHITE SOLID)
- ⑤ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 7" (WHITE 9' SKIP 3' DASH)
- ⑥ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (WHITE 30' SKIP 10' DASH)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING 4" (YELLOW SOLID)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING 8" (WHITE SOLID)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING 8" (WHITE 9' SKIP 3' DASH)
- ⑩ GROOVING FOR RECESSED PAVEMENT MARKING 6"
- ⑪ GROOVING FOR RECESSED PAVEMENT MARKING 8"
- ⑫ GROOVING FOR RECESSED PAVEMENT MARKING 9"
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER
- ⑭ REPLACEMENT REFLECTOR



	USER NAME = 14nho	DESIGNED - RC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD) ROADWAY PLAN</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE = 100,0000' / in.	DRAWN - JK	CHECKED - ST		REVISED -	SCALE: 1"=50'	SHEET 1 OF 3 SHEETS	STA. 179+00.00 TO STA. 193+00.00	55	FAI 55 22 BJ	COOK	59	23
	PLOT DATE = 3/21/2023	DATE - 3/2023	REVISED -		REVISED -			CONTRACT NO. 62R88		ILLINOIS FED. AID PROJECT			



**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING 4" (YELLOW SOLID)
- ② THERMOPLASTIC PAVEMENT MARKING 4" (WHITE SOLID)
- ③ THERMOPLASTIC PAVEMENT MARKING 8" (WHITE SOLID)
- ④ THERMOPLASTIC PAVEMENT MARKING 12" (WHITE SOLID)
- ⑤ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 7" (WHITE 9' SKIP 3' DASH)
- ⑥ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (WHITE 30' SKIP 10' DASH)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING 4" (YELLOW SOLID)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING 8" (WHITE SOLID)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING 8" (WHITE 9' SKIP 3' DASH)
- ⑩ GROOVING FOR RECESSED PAVEMENT MARKING 6"
- ⑪ GROOVING FOR RECESSED PAVEMENT MARKING 8"
- ⑫ GROOVING FOR RECESSED PAVEMENT MARKING 9"
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER
- ⑭ REPLACEMENT REFLECTOR



USER NAME = l4nho	DESIGNED - RC	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JK	REVISED -
PLOT DATE = 3/21/2023	CHECKED - ST	REVISED -
	DATE - 3/2023	REVISED -

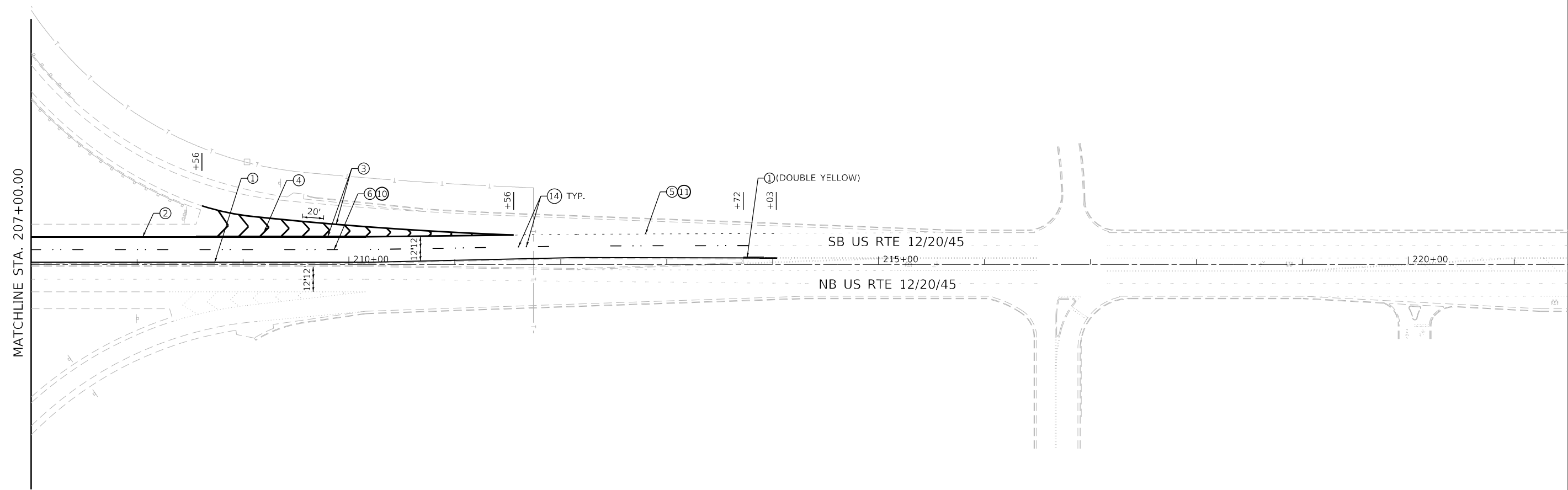
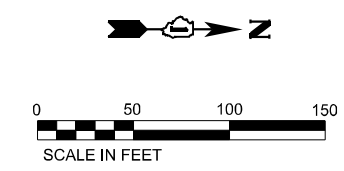
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
ROADWAY PLAN**

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 193+00.00 TO STA. 207+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	24
CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				





**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING 4" (YELLOW SOLID)
- ② THERMOPLASTIC PAVEMENT MARKING 4" (WHITE SOLID)
- ③ THERMOPLASTIC PAVEMENT MARKING 8" (WHITE SOLID)
- ④ THERMOPLASTIC PAVEMENT MARKING 12" (WHITE SOLID)
- ⑤ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 7" (WHITE 9' SKIP 3' DASH)
- ⑥ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (WHITE 30' SKIP 10' DASH)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING 4" (YELLOW SOLID)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING 8" (WHITE SOLID)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING 8" (WHITE 9' SKIP 3' DASH)
- ⑩ GROOVING FOR RECESSED PAVEMENT MARKING 6"
- ⑪ GROOVING FOR RECESSED PAVEMENT MARKING 8"
- ⑫ GROOVING FOR RECESSED PAVEMENT MARKING 9"
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER
- ⑭ REPLACEMENT REFLECTOR



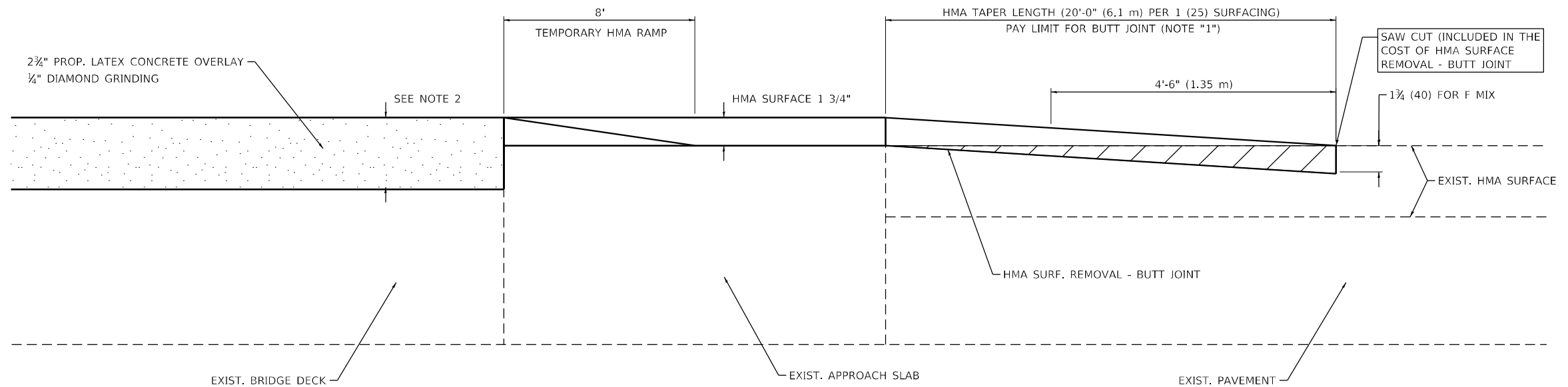
USER NAME = l4nho	DESIGNED - RC	REVISED -
	DRAWN - JK	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 3/21/2023	DATE - 3/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
ROADWAY PLAN**

SCALE: 1"=50'    SHEET 3 OF 3 SHEETS    STA. 207+00.00 TO STA. 221+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	25
CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				



## BUTT JOINT AND HMA TAPER FOR SCARIFICATION AND RESURFACING

**NOTES:**

1. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
2. SEE BRIDGE PLANS FOR SCARIFICATION THICKNESS.
3. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = l4nho	DESIGNED - RC	REVISED -
	DRAWN - JK	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 3/21/2023	DATE - 3/2023	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	26
CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				

**FOR REFERENCE ONLY**

NOTE:  
EXISTING INFORMATION SHOWN ON THIS PLAN IS BASED ON THE LATEST INFORMATION RECEIVED FROM IDOT AND SHALL BE FIELD VERIFIED.

ALDRIDGE ELECTRIC, INC.  
28572 N. Bradley Road  
Libertyville, IL 60048-9504  
Phone: 847-680-5200

**RECORD**

**DRAWINGS**

Date: 11/17/00  
Initials: CJG

DISTRICT ONE DESIGN ENGINEER: RICK YOUNG (847) 705-4247

PROJECT LOCATED IN:  
VILLAGE OF HODGKINS  
VILLAGE OF WILLOW SPRINGS

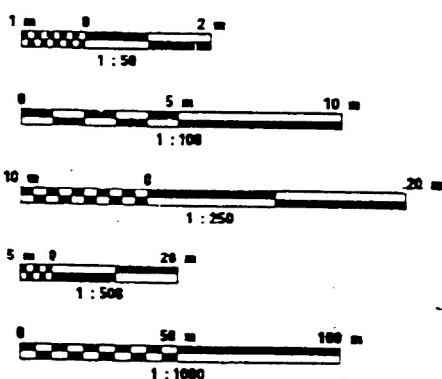
**TRAFFIC DATA**  
US 12/2045 (LAGRANGE ROAD):  
1990 ADT: 14,700 - 36,000 VEHICLES  
2010 ADT: 15,800 - 38,000 VEHICLES  
INTERSTATE 55:  
1990 ADT: 57,400 - 58,700 VEHICLES  
2010 ADT: 74,000 - 77,000 VEHICLES

**POSTED SPEED LIMIT**  
US 12/2045: 45 MPH  
INTERSTATE 55 : 55 MPH

**DESIGN DESIGNATION**  
6900 (10) MAJOR 12.85 (COMPOSITE - 20)

**SCALES**  
PLAN 1" = 100'  
PROFILE 1" = 10'  
CROSS SECTIONS 1" = 50'

**METRIC RATIOS**



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.L.L.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-832-0123

CONTRACT NO. 82969

**ARCHIVED**  
BY: W-  
DATE: 6/23/05  
LOC. #: L0187, L0188

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

F.A.I. 55 (STEVENS ON EXPRESSWAY)  
SECTION: 0102-631RS-2, ETC, 0404-676B-R-1

SET 1 OF 2

**WILLOW SPRINGS ROAD TO EAST  
OF DESPLAINES RIVER  
WESTBOUND WIDENING,  
RESURFACING & BRIDGE REHABILITATION**

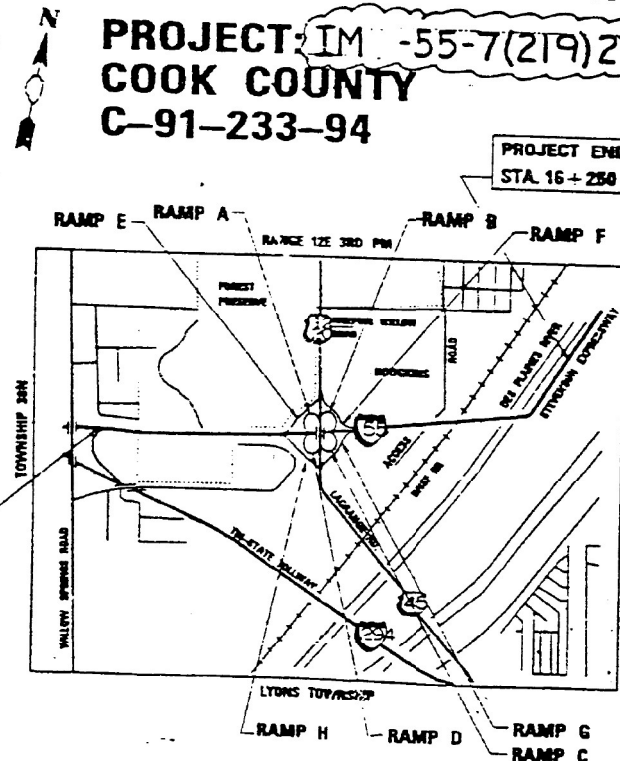
PROJECT: IM -55-7(219)277  
COOK COUNTY  
C-91-233-94

NOTE: WHEREVER IN THESE PLANS PROJ. NO. IM-55-7(219)277 IS REFERENCED IT SHALL MEAN PROJ. NO. IM-55-7(219)277.

NOTE: WHEREVER IN THESE PLANS THE SECTION IS REFERENCED IT SHALL MEAN 0102-631RS-2, ETC, 0404-676B-R-1

- ROADWAY:**
- SCAFFY AND RESURFACE BITUMINOUS CONCRETE ALONG I-55 MAINLINE AND OUTSIDE SHOULDERS (WB).
  - CONSTRUCT CLOSED MEDIAN INCLUDING BITUMINOUS SHOULDERS, CONCRETE BARRIERS AND DRAINAGE SYSTEM (WB & EB).
  - REMOVE AND REPLACE EXISTING OUTSIDE STABILIZED SHOULDERS ALONG I-55 MAINLINE WITH TIED P.C. SHOULDERS INCLUDING SINGLE FACE CONCRETE BARRIERS EAST OF LAGRANGE ROAD INTERCHANGE (WB).
  - SCAFFY, PATCH AND RESURFACE RAMP H.
  - REMOVE AND REPLACE EXISTING STABILIZED SHOULDERS ALONG RAMP H WITH BITUMINOUS SHOULDERS.
  - CONSTRUCT COLLECTOR-DISTRIBUTOR ROAD FOR LA GRANGE ROAD INTERCHANGE (WB).
  - CONSTRUCT ADJUTARY LANES WEST OF LA GRANGE ROAD (EB & WB).
  - RECONSTRUCT RAMP A, B, E & F.
- SET 1 - STA 12+768.528 TO STA 15+118 & (WB)  
STA 12+778.918 TO STA 14+380 (EB)
- SET 2 - STA 15+118 TO STA 18+250

PROJECT BEGINS  
STA. 12+768.528



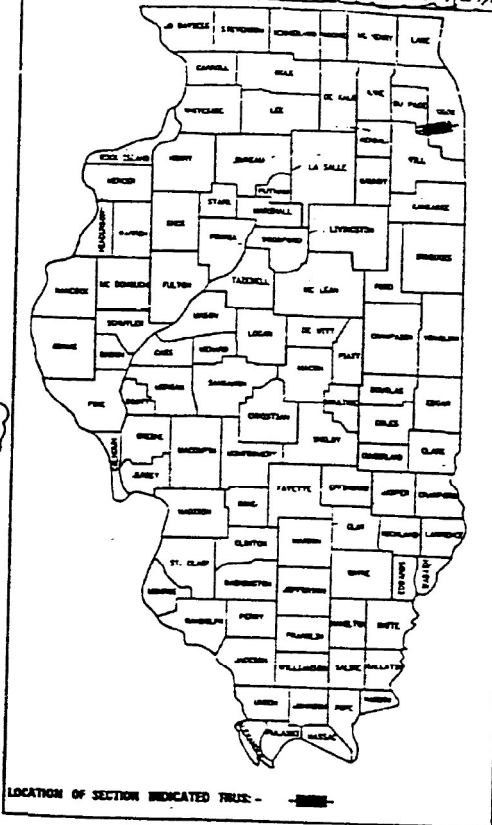
GROSS AND NET LENGTH OF PROJECT = 3.483.48 M = 2.163 MILES = 3.489 KM

- BRIDGES:**
- STRUCTURE 8000-090-0000-0000 016-0000 (4 SPAN CONTINUOUS NON-COMPOSITE PLATE GIRDER BRIDGES)
  - STRUCTURE 8000-090-0000-0000 016-0007 (3 SPAN CONTINUOUS NON-COMPOSITE PLATE GIRDER BRIDGES)
  - STRUCTURE 8000-090-0000-0000 016-0005 (3 SPAN CONTINUOUS NON-COMPOSITE PLATE GIRDER BRIDGES)
  - STRUCTURE 8000-090-0000-0000 016-0011 (5 SPAN 4 SPAN CONTINUOUS AND 1 SIMPLE SPAN NON-COMPOSITE CURVED PLATE GIRDER BRIDGES).
- WESTBOUND**
- REMOVE EXISTING DECK BARRIERS AND LIGHTING.
  - REPAIR SUBSTRUCTURES AND REPLACE SLOPEWALLS.
  - REMOVE AND REPLACE EXISTING ABUTMENT WALLS.
  - CONSTRUCT COMPOSITE DECK AND BARRIERS INCLUDING MEDIAN WIDENING TO CL 1-55.
  - REPLACE BRIDGE OVER DESPLAINES RIVER.

Professional Engineer Seal: MICHAEL GREEN, ILLINOIS, EXP. 11/30/99, SET 1

Professional Engineer Seal: ROBERT BASIN, ILLINOIS, 17899, EXP. 11/30/99, SET 2

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55		COOK	574	1
ILLINOIS PROJECT				
D-9-233-94 & D-9-168-93				
IM-55-7(219)277				



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED: June 16, 1999  
District Engineer: [Signature]

ENGINEER OF PROJECT DEVELOPMENT AND IMPLEMENTATION  
August 13, 1999  
[Signature]

ENGINEER OF DESIGN AND ENVIRONMENT  
August 13, 1999  
James P. Selt  
DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY OF  
THE STATE OF ILLINOIS

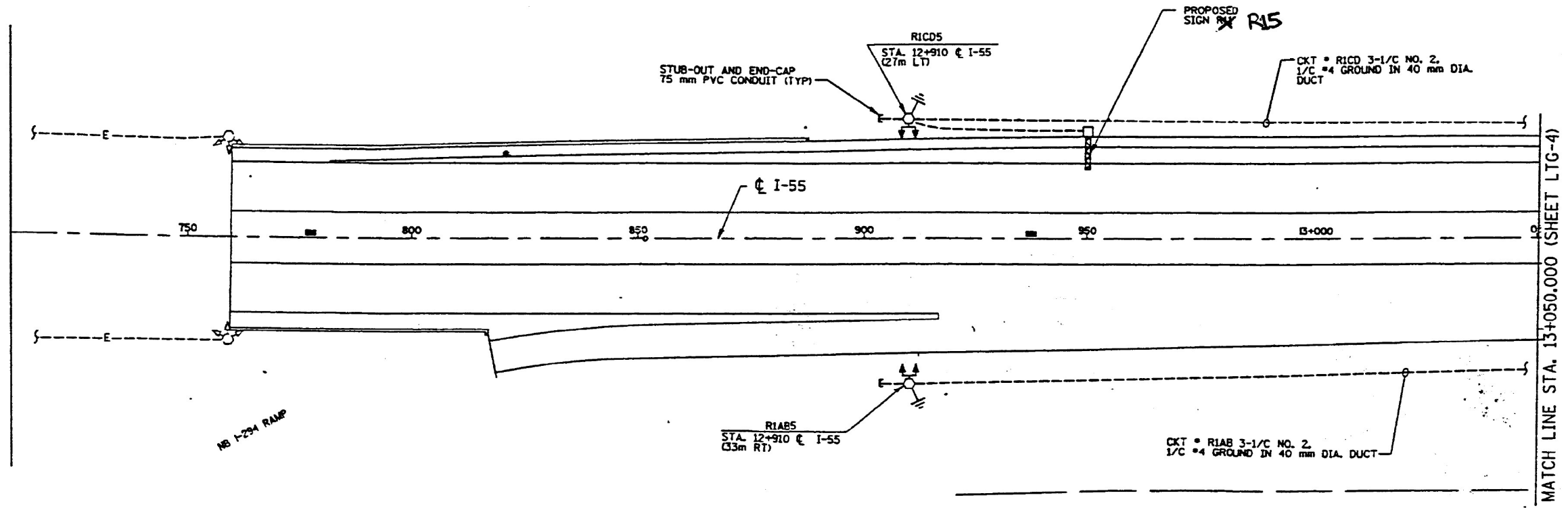
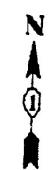
ab  
alfred benesch & company  
CONSULTING ENGINEERS  
300 NORTH MICHIGAN AVENUE, DECATUR, ILLINOIS 62520  
JOB NO. 2375

**FOR REFERENCE ONLY**

NOTE:  
EXISTING INFORMATION SHOWN ON THIS PLAN IS BASED ON THE LATEST INFORMATION RECEIVED FROM IDOT AND SHALL BE FIELD VERIFIED.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SP
55		COOK	594	1
STA. 12+759.767		TO STA. 13+050.000		
F.A.I. REGION		ILLINOIS	PROJECT	

• 0102-63RS-2,ETC,0404-6768-R-1



ALDRIDGE ELECTRIC, INC.  
28572 N. Bradley Road  
Libertyville, IL 60048-9504  
Phone: 847-680-5200

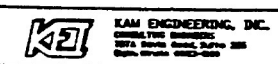
NOTE:  
1. FOR REMOVAL OF EXISTING LIGHT POLES SEE SHEET LTG-12.

**RECORD DRAWINGS**

Date: 11/17/00  
Initials: CR

F:\DDN\JOB188E\FINAL\F-2.DGN

△ - NEW SHEET



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 55  
(STEVENS ON EXPRESSWAY)

LIGHTING PLAN

SCALE 1:500  
DATE 11-05-99

DRAWN BY CR/ALS  
CHECKED BY ADO

USER NAME = 14nho	DESIGNED - RC	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - JK	REVISED -
PLOT DATE = 3/21/2023	CHECKED - ST	REVISED -
	DATE - 3/2023	REVISED -

**FOR REFERENCE ONLY**

NOTE:  
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ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		COOK	594	18
STA. 13+050.000		TO STA. 13+750.000		
F.A.I. REGION		BLDG.	PROJECT	
• 0102-631RS-2,ETC,0404-6768-R-1				

**ALDRIDGE ELECTRIC, INC.**  
28572 N. Bradley Road  
Libertyville, IL 60048-9504  
Phone: 847-680-5200

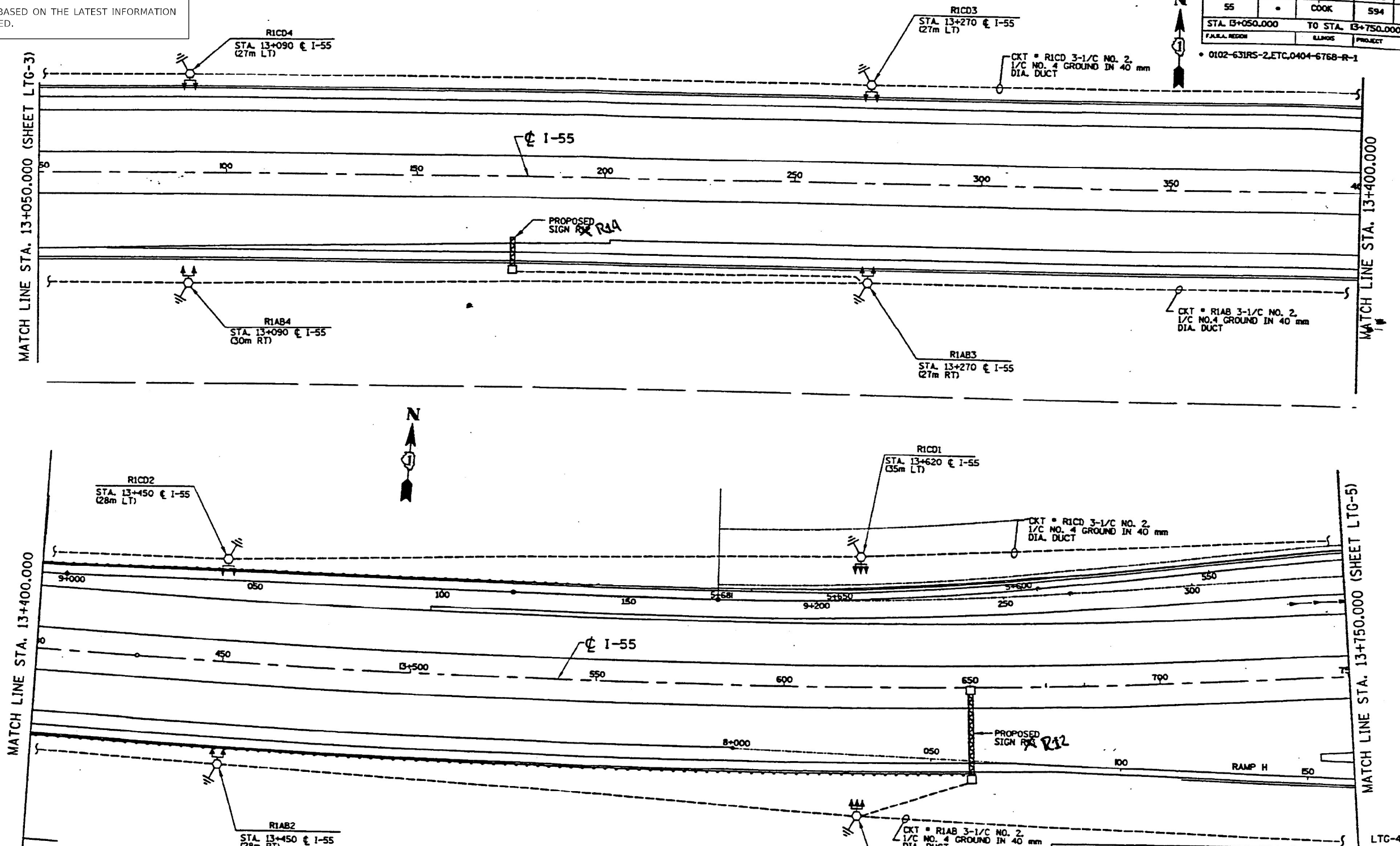
**RECORD**

**DRAWINGS**

Date: 11/17/00

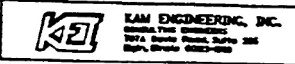
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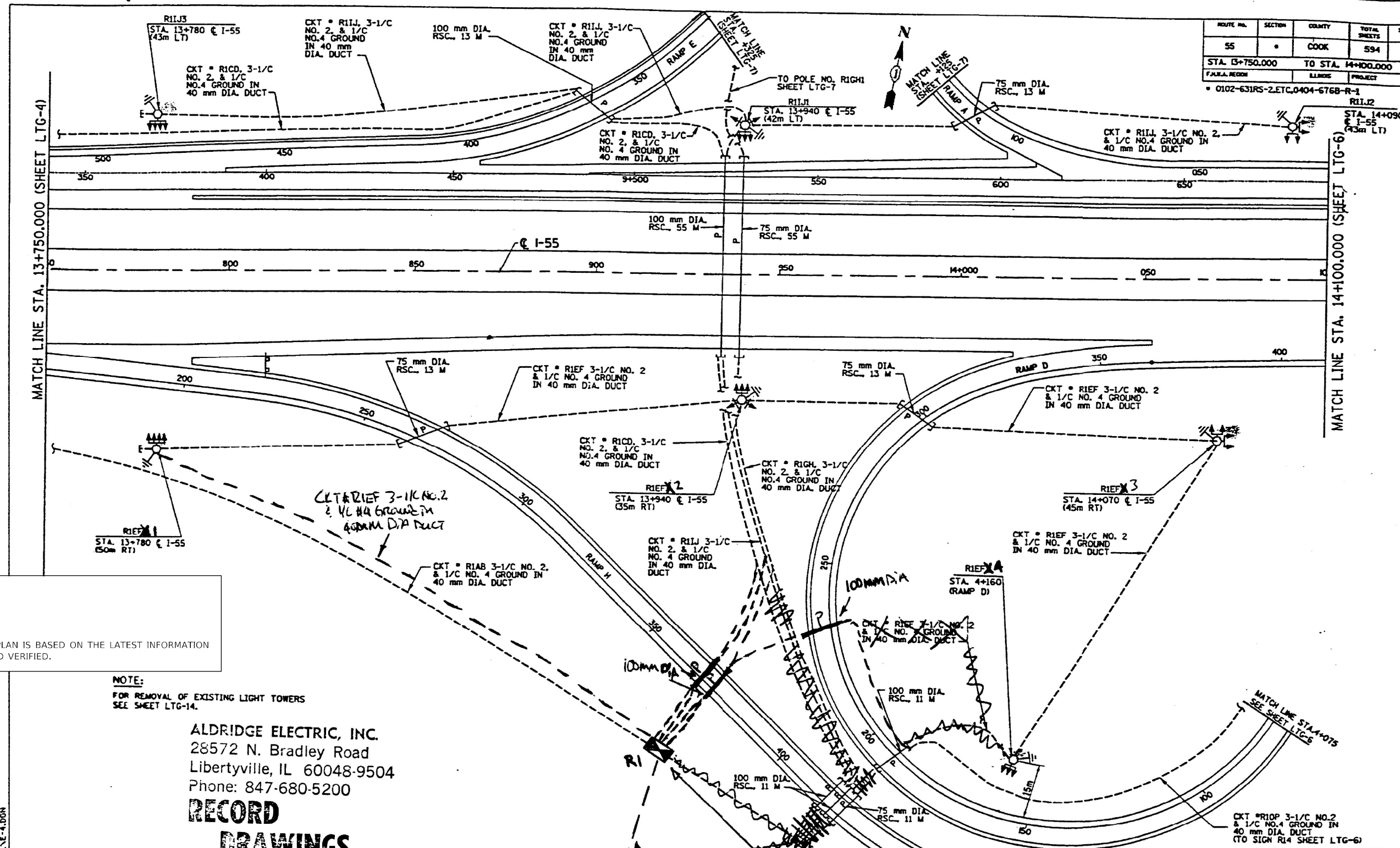
NOTE:  
1. FOR REMOVAL OF EXISTING LIGHT POLES AND LIGHT TOWERS SEE SHEET LTG-13.

NEW SHEET



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 55  
(STEVENSON EXPRESSWAY)  
**LIGHTING PLAN**  
SCALE 1:500  
DATE 11-05-99  
DRAWN BY CR/ALS  
CHECKED BY ADO



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		COOK	594	1
STA. 13+750.000		TO STA. 14+100.000		
F.A.I. REGION		ILLINOIS	PROJECT	
0102-631RS-2.ETC.0404-6768-R-1		RI1J2		
STA. 14+090		I-55		
(43m LT)				

**FOR REFERENCE ONLY**

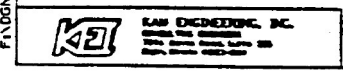
NOTE:  
EXISTING INFORMATION SHOWN ON THIS PLAN IS BASED ON THE LATEST INFORMATION RECEIVED FROM IDOT AND SHALL BE FIELD VERIFIED.

NOTE:  
FOR REMOVAL OF EXISTING LIGHT TOWERS SEE SHEET LTG-14.

**ALDRIDGE ELECTRIC, INC.**  
28572 N. Bradley Road  
Libertyville, IL 60048-9504  
Phone: 847-680-5200

**RECORD DRAWINGS**

Date: 11/17/00  
Initials: CP



REVISIONS	
NAME	DATE
ADD	7-28-99

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 55  
(STEVENSON EXPRESSWAY)

**LIGHTING PLAN**

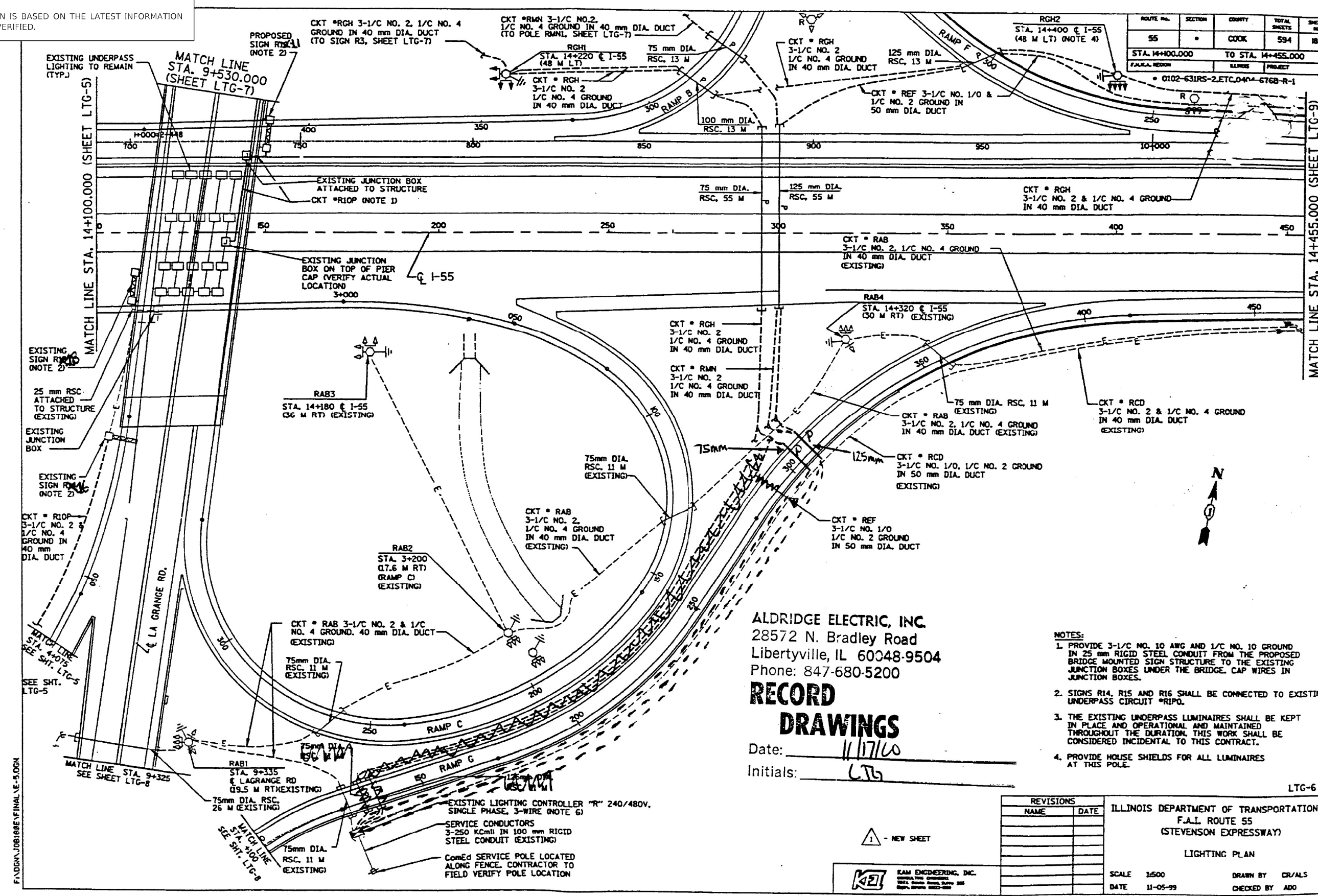
SCALE 1:500  
DATE 11-05-99

DRAWN BY CR/ALS  
CHECKED BY ADD

USER NAME = 14nho	DESIGNED - RC	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - JK	REVISED -
PLOT DATE = 3/21/2023	CHECKED - ST	REVISED -
	DATE - 3/2023	REVISED -

**FOR REFERENCE ONLY**

NOTE:  
EXISTING INFORMATION SHOWN ON THIS PLAN IS BASED ON THE LATEST INFORMATION RECEIVED FROM IDOT AND SHALL BE FIELD VERIFIED.



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		COOK	594	186
STA. 14+400.000 TO STA. 14+455.000		ILLINOIS PROJECT		
F.A.I. REGION		PROJECT		

ALDRIDGE ELECTRIC, INC.  
28572 N. Bradley Road  
Libertyville, IL 60048-9504  
Phone: 847-680-5200

**RECORD DRAWINGS**

Date: 11/17/10  
Initials: LTB

- NOTES:
1. PROVIDE 3-1/C NO. 10 AWG AND 1/C NO. 10 GROUND IN 25 mm RIGID STEEL CONDUIT FROM THE PROPOSED BRIDGE MOUNTED SIGN STRUCTURE TO THE EXISTING JUNCTION BOXES UNDER THE BRIDGE. CAP WIRES IN JUNCTION BOXES.
  2. SIGNS R14, R15 AND R16 SHALL BE CONNECTED TO EXISTING UNDERPASS CIRCUIT \*RIPO.
  3. THE EXISTING UNDERPASS LUMINAIRES SHALL BE KEPT IN PLACE AND OPERATIONAL AND MAINTAINED THROUGHOUT THE DURATION OF THIS WORK. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT.
  4. PROVIDE HOUSE SHIELDS FOR ALL LUMINAIRES AT THIS POLE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 55  
(STEVENSON EXPRESSWAY)  
LIGHTING PLAN  
SCALE 1:500  
DATE 11-05-99  
DRAWN BY CR/ALS  
CHECKED BY ADO

**KEI** KAM ENGINEERING, INC.  
GENERAL ENGINEERING  
1000 N. LA GRANGE RD., SUITE 200  
LA GRANGE, ILL. 60138

**LE** LIN ENGINEERING, LTD.  
Consulting Engineers  
Westmont, Illinois

USER NAME = 14nho	DESIGNED - RC	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - JK	REVISED -
PLOT DATE = 3/21/2023	CHECKED - ST	REVISED -
	DATE - 3/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-55 AT US ROUTE 12/45/20 (LAGRANGE ROAD)  
EXISTING LIGHTING PLAN  
SCALE: N.T.S. SHEET 5 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	31
ILLINOIS FED. AID PROJECT				CONTRACT NO. 62R88

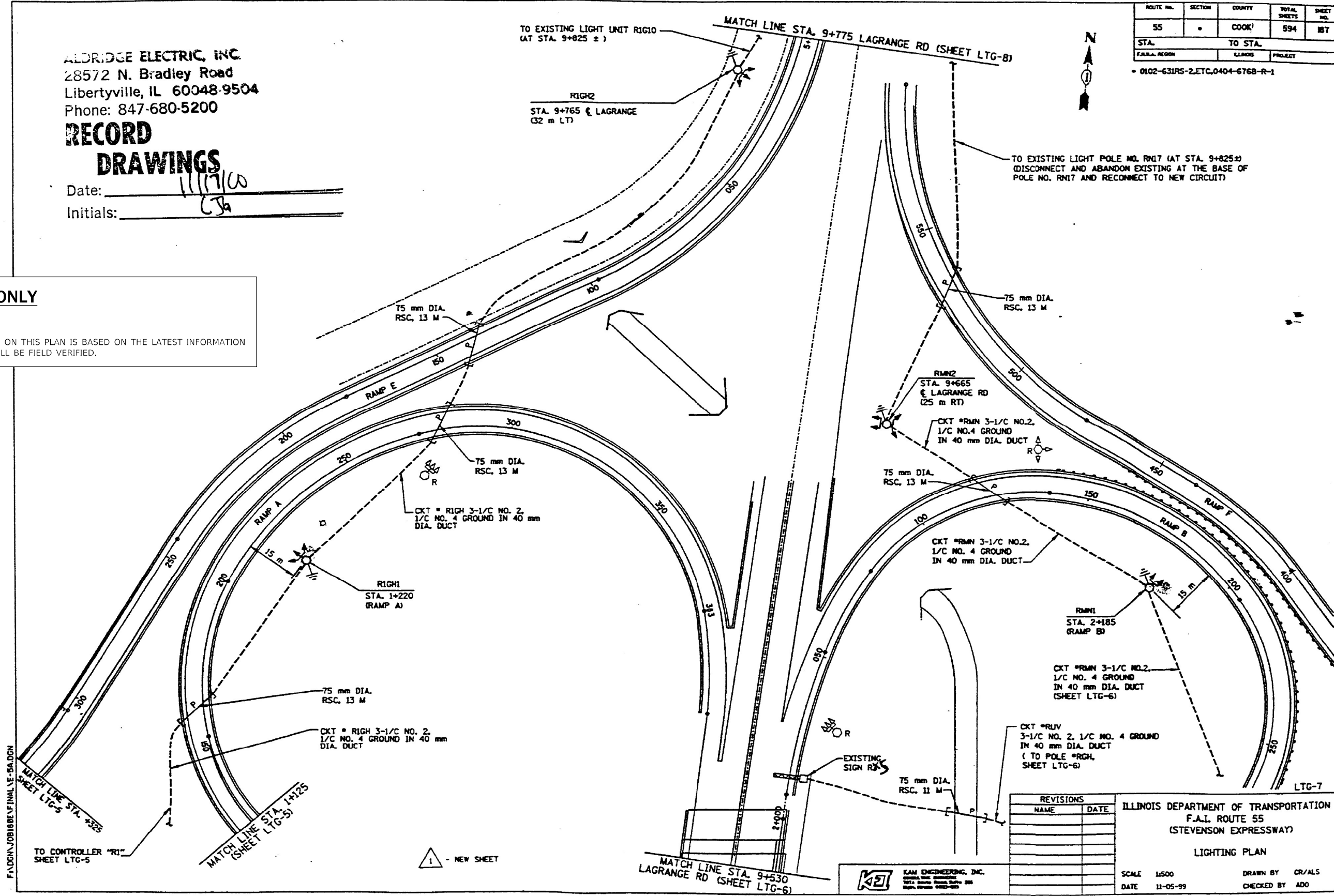
ALDRIDGE ELECTRIC, INC.  
 28572 N. Bradley Road  
 Libertyville, IL 60048-9504  
 Phone: 847-680-5200

**RECORD  
 DRAWINGS**

Date: 11/17/00  
 Initials: CJA

**FOR REFERENCE ONLY**

NOTE:  
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		COOK	594	187
STA.	TO STA.			
F.A.I. REGION	ILLINOIS	PROJECT		

0102-631RS-2.ETC.0404-676B-R-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 55  
 (STEVENSON EXPRESSWAY)  
 LIGHTING PLAN  
 SCALE 1:500  
 DATE 11-05-99  
 DRAWN BY CR/ALS  
 CHECKED BY ADO

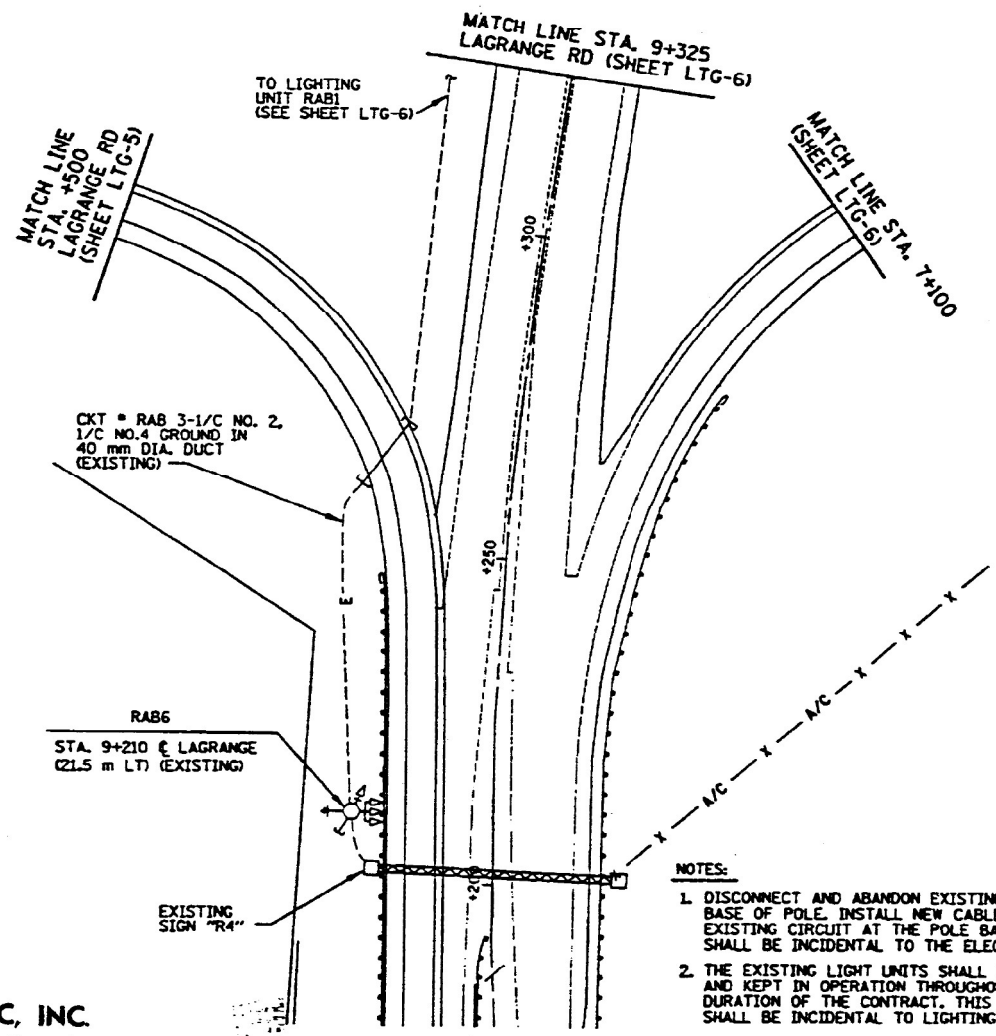
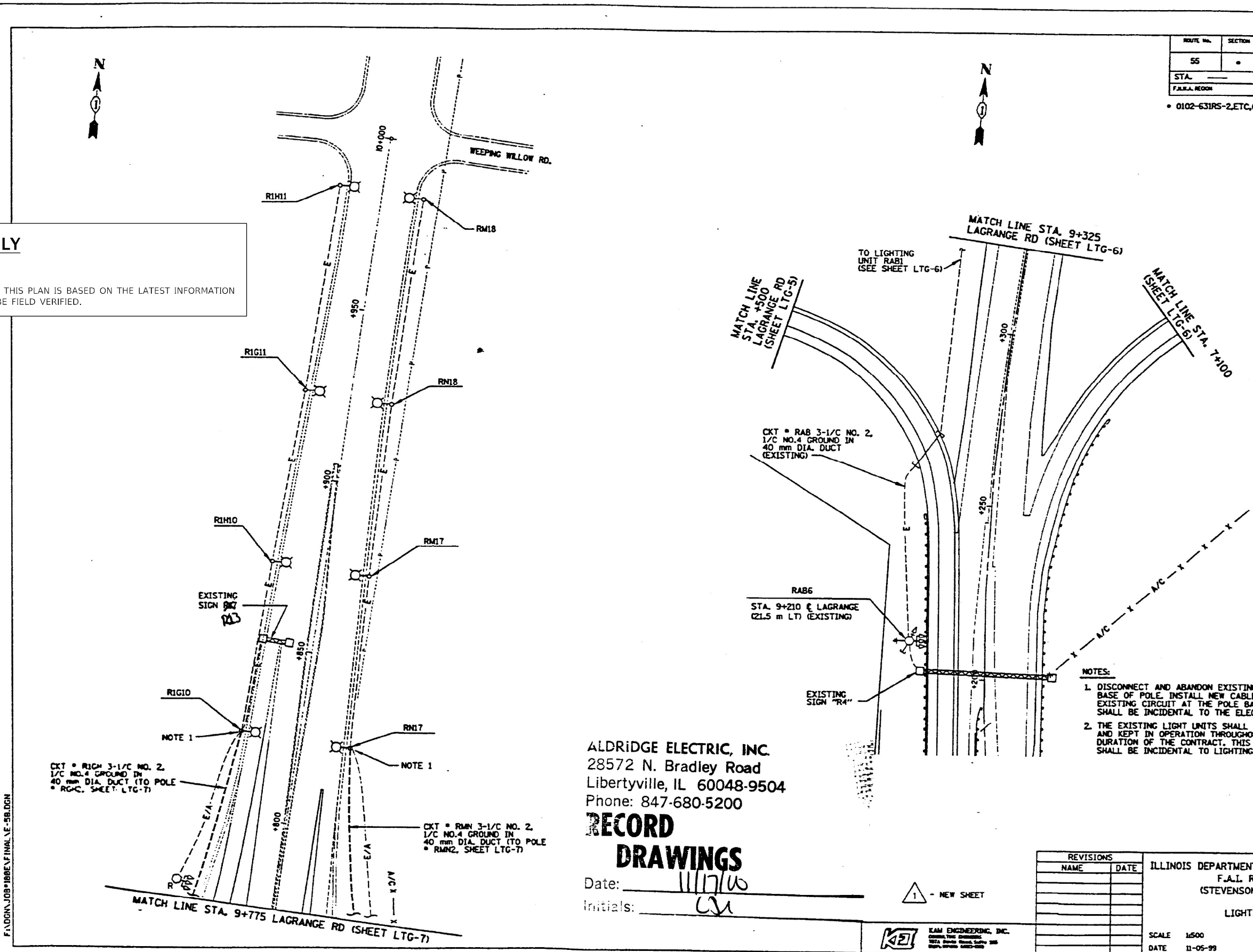


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		COOK	594	106
STA. _____ TO STA. _____		PROJECT		
F.A.I. REGION		LINKS	PROJECT	

• 0102-631RS-2,ETC,0404-6768-R-1

**FOR REFERENCE ONLY**

NOTE:  
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ALDRIDGE ELECTRIC, INC.  
28572 N. Bradley Road  
Libertyville, IL 60048-9504  
Phone: 847-680-5200

**RECORD DRAWINGS**

Date: 11/17/00  
Initials: CS

1 - NEW SHEET

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 55 (STEVENSON EXPRESSWAY)				
LIGHTING PLAN				
SCALE	1:500	DRAWN BY	CR/ALS	
DATE	11-05-99	CHECKED BY	ADO	

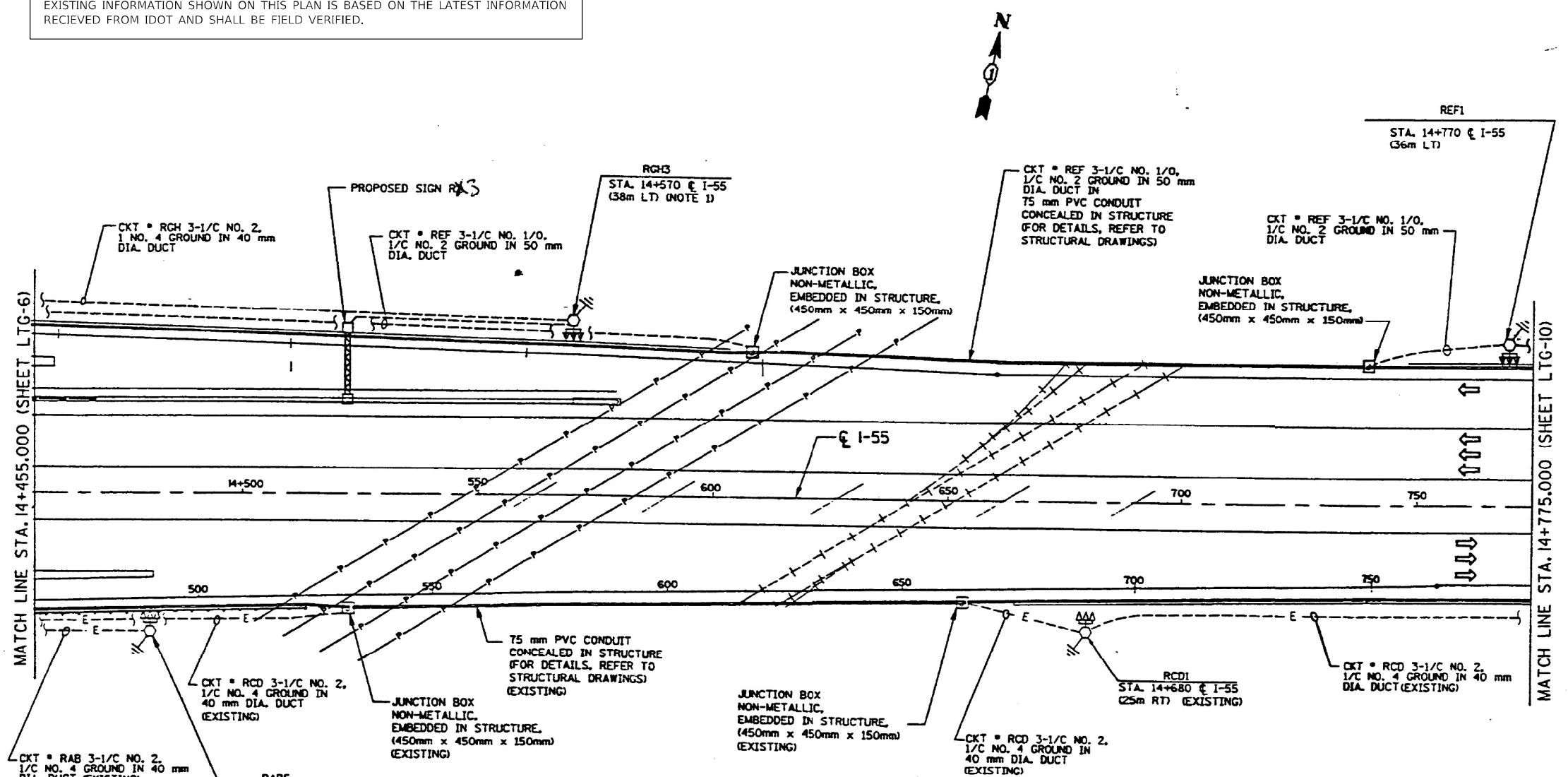
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	DATE - 3/2023	REVISED -

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		COOK	594	34
STA. 14+455.000		TO STA. 14+775.000		
F.A.I. REGION		ILLINOIS	PROJECT	

• 0102-631RS-2.ETC,0404-6768-R-1

**FOR REFERENCE ONLY**

NOTE:  
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ALDRIDGE ELECTRIC, INC.  
28572 N. Bradley Road  
Libertyville, IL 60048-9504  
Phone: 847-680-5200

**RECORD DRAWINGS**

Date: 11/17/00  
Initials: CS

NOTE:  
1. PROVIDE MOUSE SIDE SHIELDS FOR ALL LUMINAIRES ON THIS POLE.

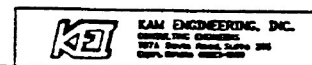
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 55  
(STEVENSON EXPRESSWAY)

LIGHTING PLAN

SCALE 1"=500  
DATE 11-05-99

DRAWN BY CR/ALS  
CHECKED BY ADO

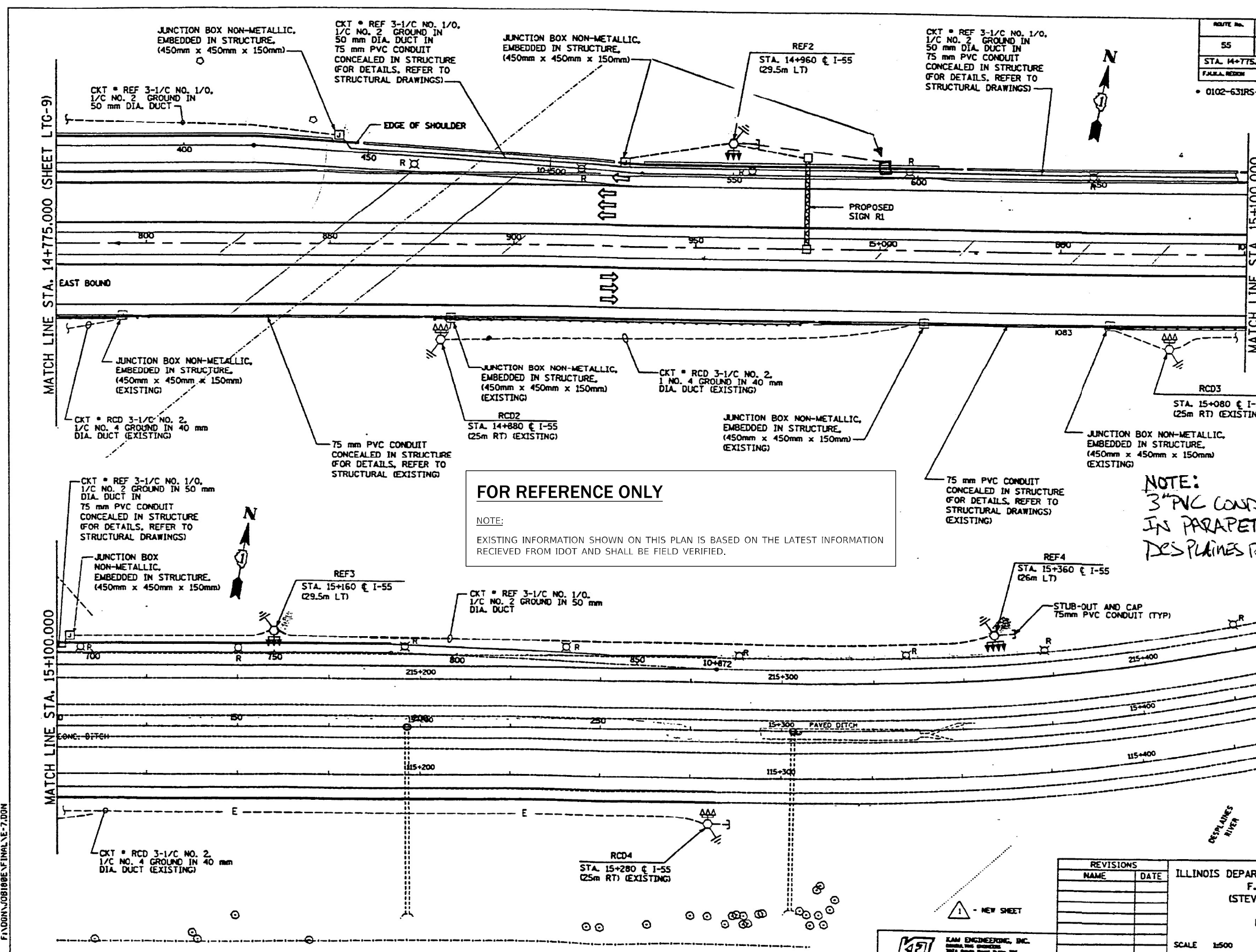


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PLOT DATE = 3/21/2023	CHECKED - ST	REVISED -
	DATE - 3/2023	REVISED -

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		COOK	594	594
STA. 14+775.000 TO STA. 15+450.000				
F.A.I. RITE			BLDG	PROJECT

• 0102-631RS-2,ETC,0404-6768-R-1



**NOTE:**  
3" PVC CONDUIT INSTALLED IN PARAPET WALL ACROSS DES PLAINES RIVER BRIDGE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 55  
(STEVENSON EXPRESSWAY)

**LIGHTING PLAN**

SCALE 1:500  
DATE 11-05-23

DRAWN BY CR/ALS  
CHECKED BY ADD

ALDRIDGE ELECTRIC, INC.  
28572 N. Bradley Road  
Libertyville, IL 60048-9504  
PHONE: 847-680-5200

**RECORD DRAWINGS**

Date: 11/17/20  
Initials: CR

ALDRIDGE ELECTRIC, INC.  
 28572 N. Bradley Road  
 Libertyville, IL 60048-9504  
 Phone: 847-680-5200

**RECORD DRAWINGS**

Date: 11/17/00  
 Initials: C.B.

**LOAD TABULATION AND VOLTAGE DROP FOR LIGHTING CONTROLLER "R1"**

CKT #	LOAD (WATTS)	AMPS	VOLTAGE DROP AT LAST POLE	CKT #	LOAD (WATTS)	AMPS	VOLTAGE DROP AT LAST POLE
A	5-750W HPS 6-225W FL	23.5	229.66	B	6-750W HPS 5-225 FL	26	229.23
C	6-750W HPS 1-225W FL	22	228.33	D	5-750W HPS 1-225 FL	18.5	228.96
E	8-750W HPS	28	235.30	F	8-750W HPS	28	235.82
G	3-750W HPS 2-400W HPS 1-225 FL	15.3	235.10	H	3-750W HPS 2-400W HPS 1-225 FL	15.3	234.45
I	6-750W HPS	21	236.44	J	7-750W HPS	24.5	236.59
O	10-55W LPS 4-225W FL	10	238.13	P	10-55W LPS 4-225W FL	10	238.13
TOTAL		119.8		TOTAL		122.3	

**LOAD TABULATION AND VOLTAGE DROP FOR LIGHTING CONTROLLER "R"**

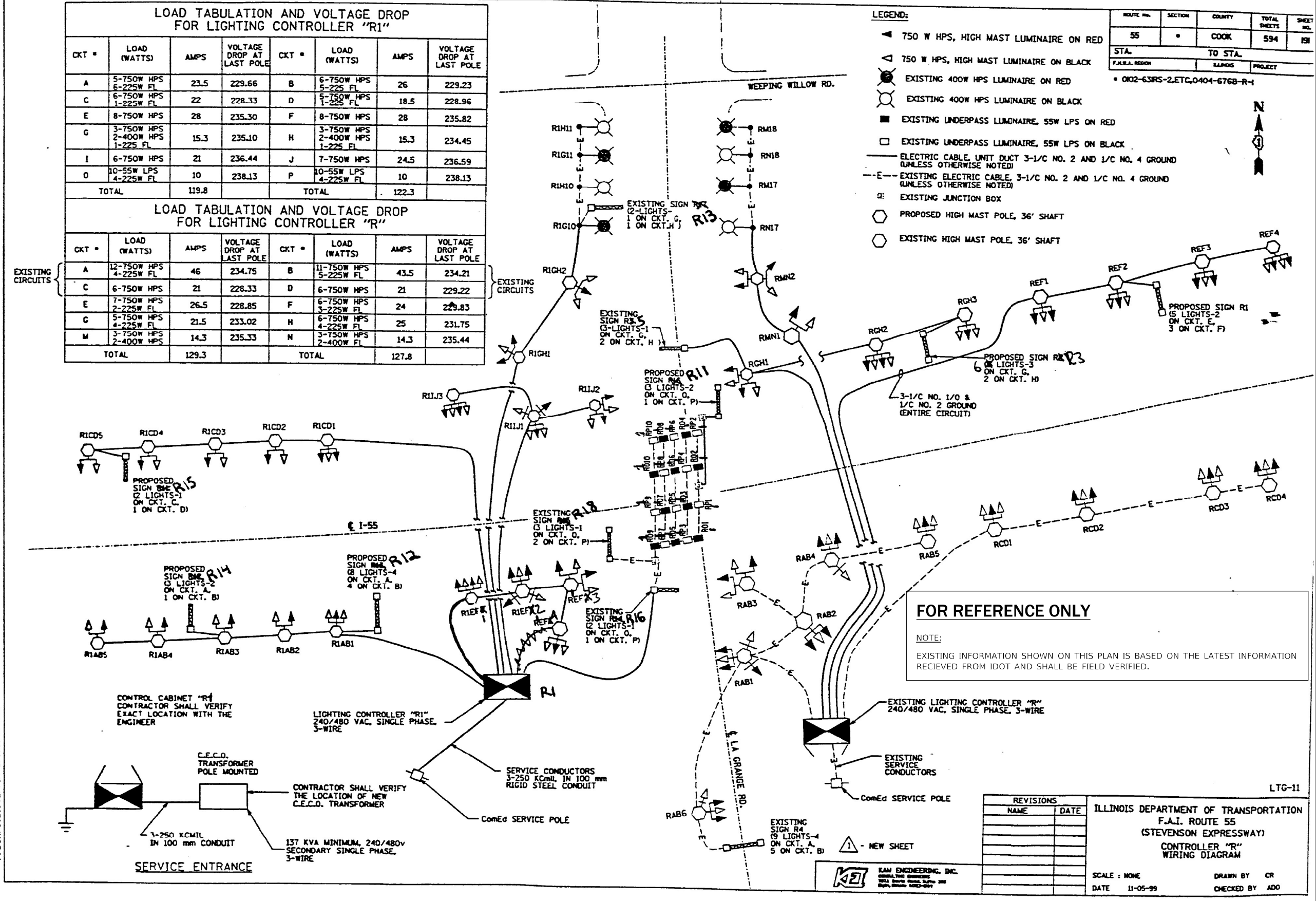
CKT #	LOAD (WATTS)	AMPS	VOLTAGE DROP AT LAST POLE	CKT #	LOAD (WATTS)	AMPS	VOLTAGE DROP AT LAST POLE
A	12-750W HPS 4-225W FL	46	234.75	B	11-750W HPS 5-225W FL	43.5	234.21
C	6-750W HPS	21	228.33	D	6-750W HPS	21	229.22
E	7-750W HPS 2-225W FL	26.5	228.85	F	6-750W HPS 3-225W FL	24	229.83
G	5-750W HPS 4-225W FL	21.5	233.02	H	6-750W HPS 4-225W FL	25	231.75
M	3-750W HPS 2-400W HPS	14.3	235.33	N	3-750W HPS 2-400W FL	14.3	235.44
TOTAL		129.3		TOTAL		127.8	

**LEGEND:**

- ▲ 750 W HPS, HIGH MAST LUMINAIRE ON RED
- △ 750 W HPS, HIGH MAST LUMINAIRE ON BLACK
- EXISTING 400W HPS LUMINAIRE ON RED
- EXISTING 400W HPS LUMINAIRE ON BLACK
- EXISTING UNDERPASS LUMINAIRE, 55W LPS ON RED
- EXISTING UNDERPASS LUMINAIRE, 55W LPS ON BLACK
- ELECTRIC CABLE, UNIT DUCT 3-1/2 NO. 2 AND 1/2 NO. 4 GROUND (UNLESS OTHERWISE NOTED)
- E- EXISTING ELECTRIC CABLE, 3-1/2 NO. 2 AND 1/2 NO. 4 GROUND (UNLESS OTHERWISE NOTED)
- ⊕ EXISTING JUNCTION BOX
- PROPOSED HIGH MAST POLE, 36' SHAFT
- EXISTING HIGH MAST POLE, 36' SHAFT

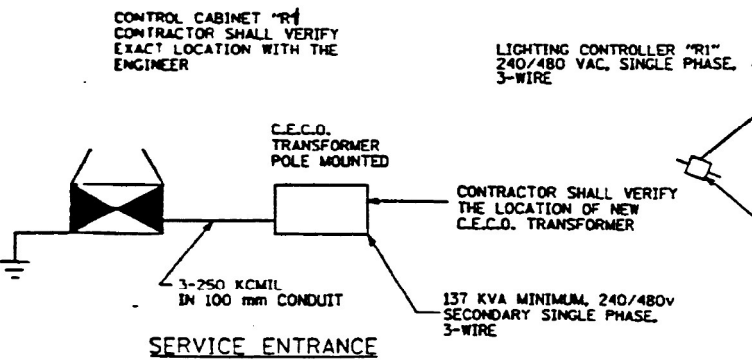
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		COOK	594	59

STA. TO STA.  
 ILLINOIS PROJECT  
 \* 0102-63RS-2.ETC,0404-676B-R-1



**FOR REFERENCE ONLY**

NOTE:  
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 55  
 (STEVENS ON EXPRESSWAY)  
 CONTROLLER "R" WIRING DIAGRAM

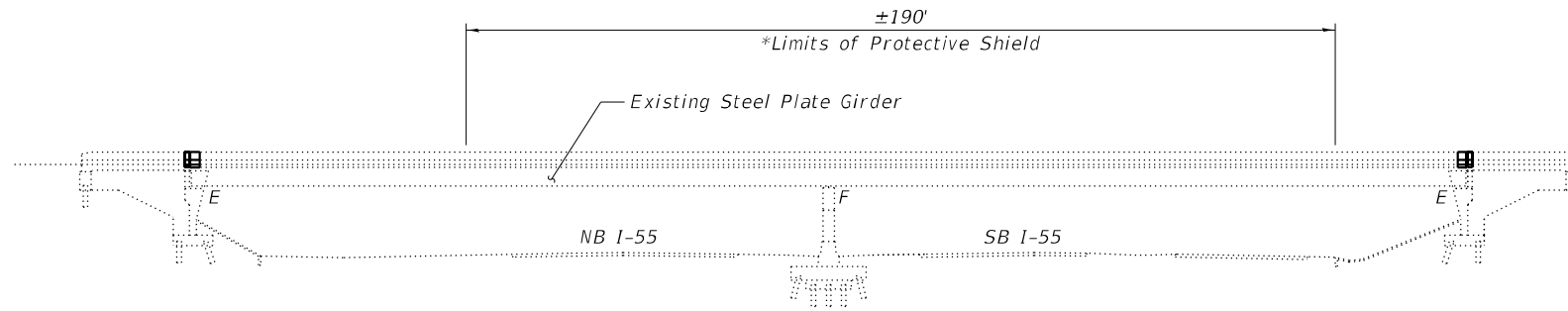
SCALE: NONE  
 DATE: 11-05-99

DRAWN BY: CR  
 CHECKED BY: ADD

Existing Structure: SN 016-2665 built in 1995 as FAI Rte. 55, Section 0203-632 HB-K-1 at Sta. 9+487.034. The structure is a two span continuous steel girder bridge composite in positive moment regions, supported on sand-filled vaulted abutments and a multi-column pier. The bridge measures 325'-7½" back to back approach bents and 101'-11⅝" out to out, with a 8°37'15" right ahead skew. Stage construction will be utilized to maintain a minimum of one lane of traffic in each direction.

**SCOPE OF WORK**

1. Remove portions of existing concrete deck, median and parapets as required to replace expansion joints at abutments.
2. Perform ¾" scarification to top of existing bridge deck and vaulted approach slabs.
3. Complete concrete repairs to the bridge parapet and approach median.
4. Provide new strip seal expansion joints and adjacent superstructure concrete over abutments.
5. Place 2¾" latex concrete overlay on deck and vaulted approach slabs.
6. Perform ¼" diamond grinding on new concrete overlay.
7. Perform bridge deck grooving on new concrete overlay and apply protective coat to new overlay and the top/inside surface of new parapet and median concrete.
8. Apply Concrete Sealer to top/inside surfaces of existing parapets, existing median surfaces, and top surfaces of bridge seats.
9. Perform repairs on substructure units.



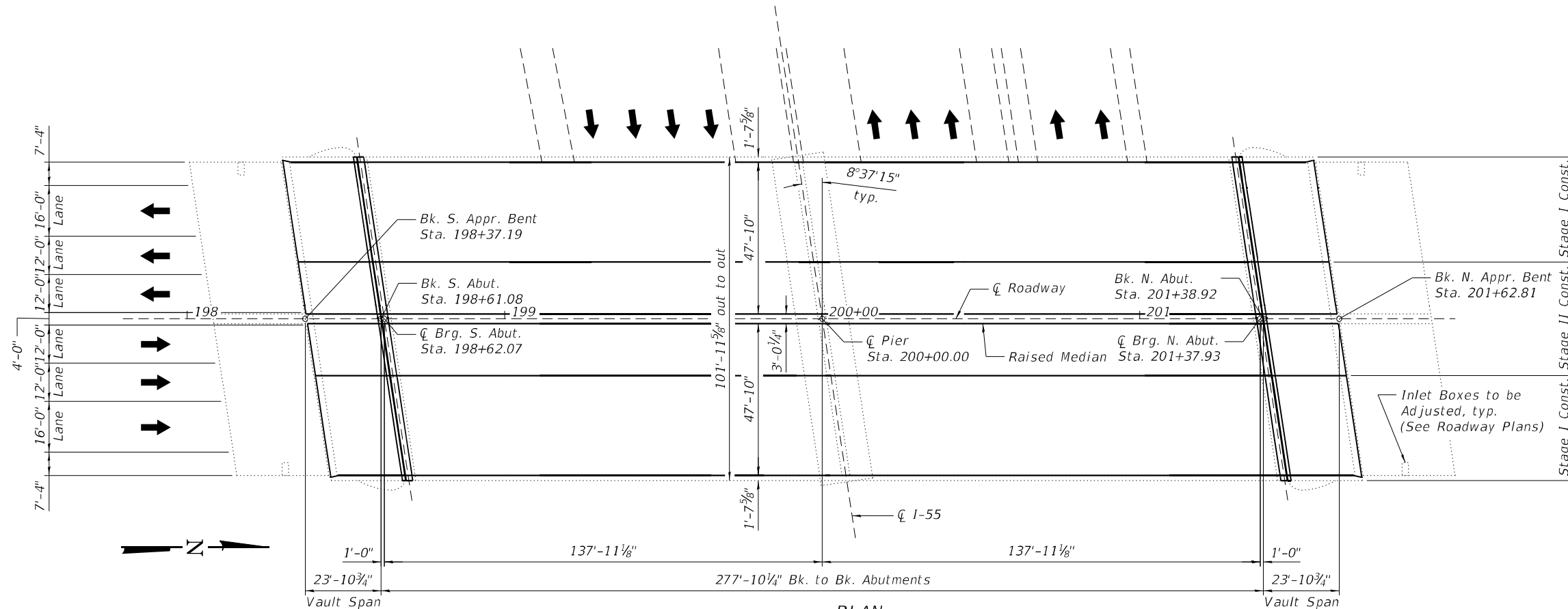
**ELEVATION**

\*Gap shall be provided in Protective Shield at underpass lighting.

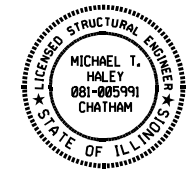
Note:  
Up to ¼" may be ground off the bridge deck and vaulted approach span overlays.

**INDEX OF SHEETS**

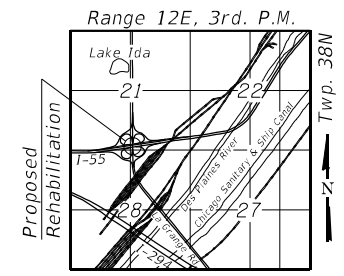
1. General Plan and Elevation
2. General Data
3. Stage Construction Details
4. Deck Slab Repair Plan
- 5-7. Joint Replacement Details
8. Preformed Joint Strip Seal
9. Bar Splicer Assembly Details
10. Substructure Repair



**PLAN**



Michael J. Haley  
Michael T. Haley  
Licensed Structural Engineer  
State of Illinois No. 081-005991  
Expires 11/30/2024  
Date 03/20/2023



**LOCATION SKETCH**

**GENERAL PLAN AND ELEVATION**  
**US 12/20/45 (LA GRANGE RD) OVER I-55**  
**F.A.I. RTE. 55 SECTION 22 BJ**  
**COOK COUNTY**  
**STATION 200+00.00**  
**STRUCTURE NO. 016-2665**

**DESIGN SPECIFICATIONS**  
(New Construction)  
2002 AASHTO Standard Specifications  
for Highway Bridges

**DESIGN STRESSES**  
**FIELD UNITS - NEW CONSTRUCTION**  
f'c = 4,000 psi (Superstructure)  
fy = 60,000 psi (Reinforcement)

**LOADING HS-20**  
(Original Construction)  
No allowance for future wearing surface.

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22 BJ	COOK	59	37
CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				

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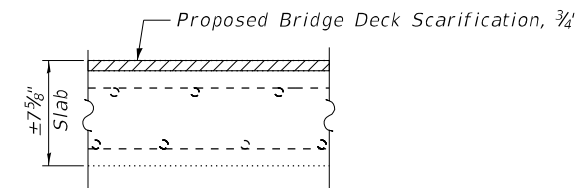
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PLOT DATE = 3/20/2023	DRAWN - AJF	REVISED -
	CHECKED - CZ	REVISED -

**GENERAL NOTES**

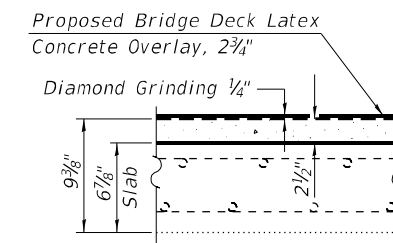
- Reinforcement bars designated (E) shall be epoxy coated.
- Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.  
  
As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.  
  
Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
- Cost of removal and disposal of existing expansion joints shall be included in the cost of Concrete Removal.
- Protective Coat shall be applied to the top surface of new overlay and the inside and top faces of new concrete adjacent to joints.
- Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the concrete adjacent to joints is poured at an ambient temperature other than 50°F.
- Expansion joints shall be fabricated to conform to the existing cross slope of the bridge.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	18.2	-	18.2
Protective Shield	Sq. Yd.	2,153	-	2,153
Concrete Superstructure	Cu. Yd.	21.9	-	21.9
Protective Coat	Sq. Yd.	3,460	-	3,460
Reinforcement Bars, Epoxy Coated	Pound	2,870	-	2,870
Bar Splicers	Each	40	-	40
Prefomed Joint Strip Seal	Foot	204	-	204
Concrete Sealer	Sq. Ft.	5,064	-	5,064
Epoxy Crack Injection	Foot	-	24	24
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	2,866	-	2,866
Bridge Deck Latex Concrete Overlay, 2 3/4 Inches	Sq. Yd.	3,386	-	3,386
Bridge Deck Scarification, 3/4 Inch	Sq. Yd.	3,386	-	3,386
Concrete Median Repair	Sq. Ft.	40	-	40
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	22	120	142
Diamond Grinding (Bridge Section)	Sq. Yd.	3,160	-	3,160



**EXISTING BRIDGE DECK  
CROSS SECTION**



**PROPOSED BRIDGE DECK  
CROSS SECTION**

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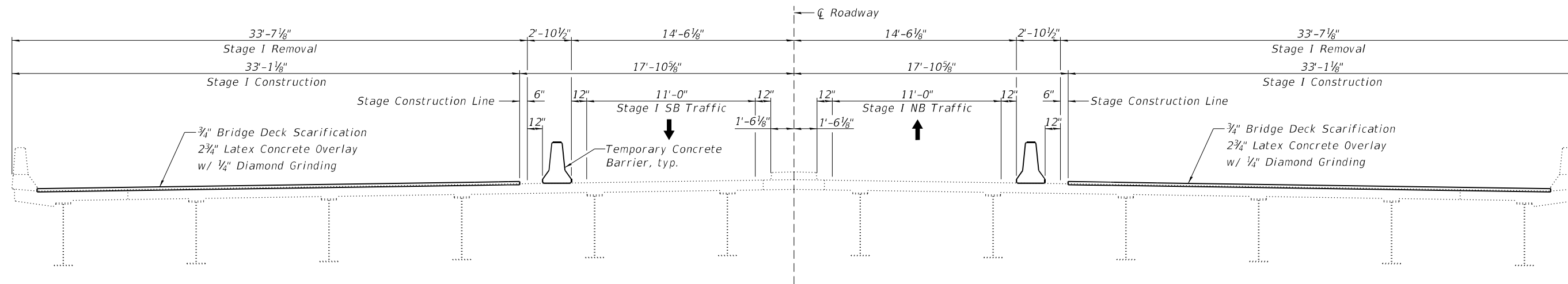
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

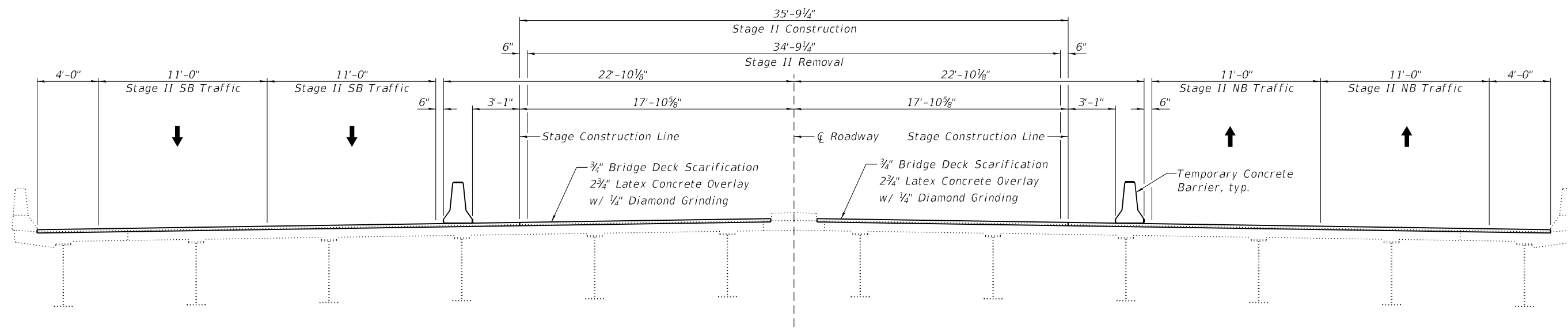
**GENERAL DATA  
STRUCTURE NO. 016-2665**

SHEET 2 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22 BJ	COOK	59	38
CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				



**STAGE I REMOVAL & CONSTRUCTION**



**STAGE II REMOVAL & CONSTRUCTION**

Notes:  
 All sections are looking north.  
 See Roadway Plans for Temporary Concrete Barrier quantities.  
 All transverse dimensions are measured at right angles to  $\bar{C}$  Roadway.

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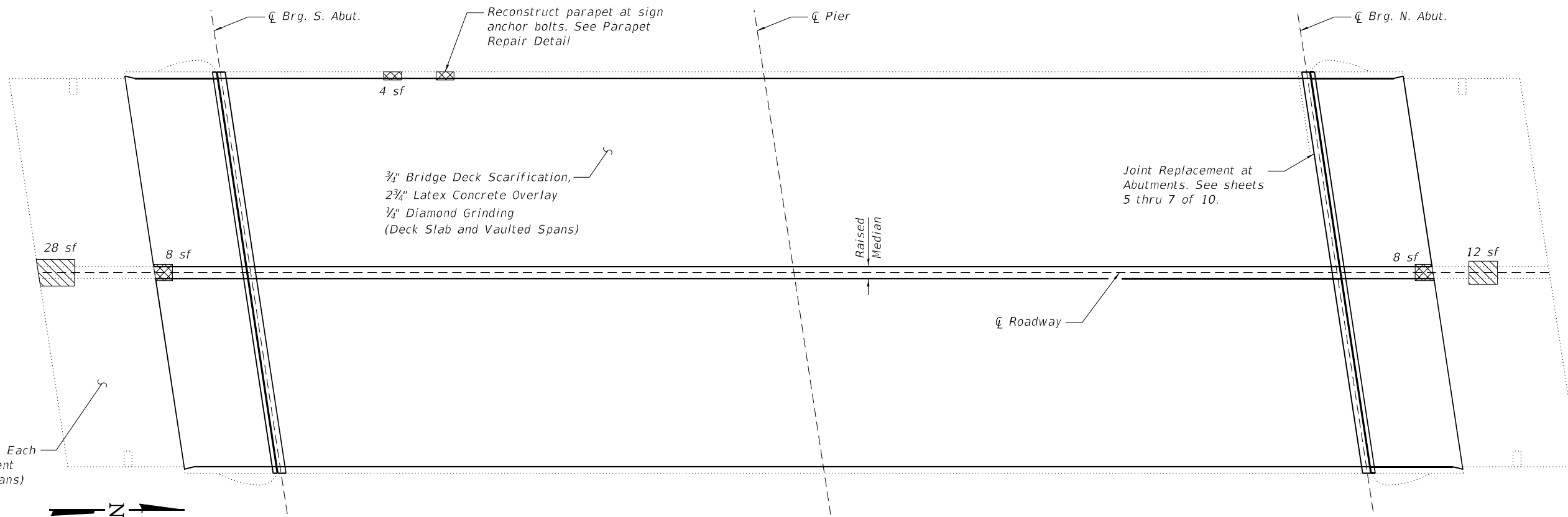
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PLOT DATE = 3/13/2023	CHECKED - CZ	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

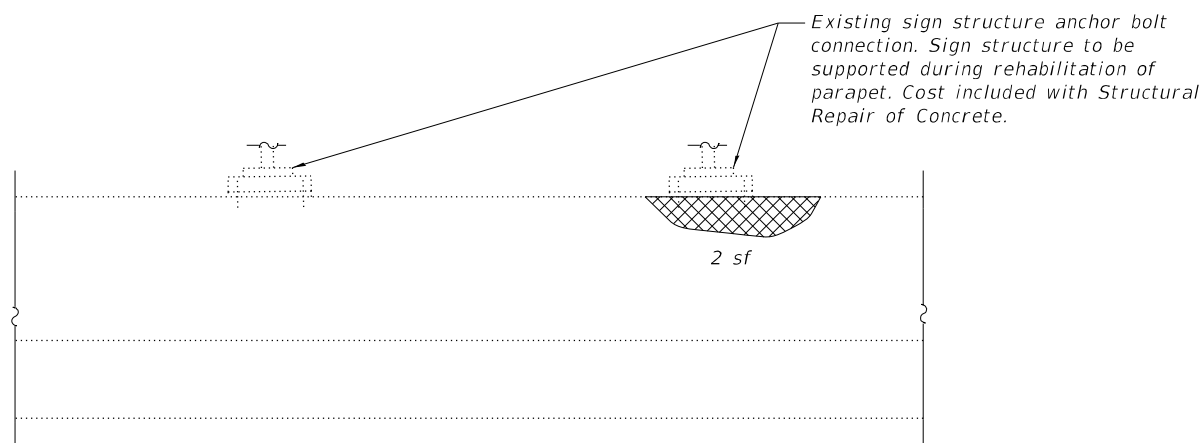
**STAGE CONSTRUCTION DETAILS  
 STRUCTURE NO. 016-2665**

SHEET 3 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22 BJ	COOK	59	39
CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				



**DECK PLAN**



**PARAPET REPAIR DETAIL**  
(Looking West at West parapet)

**Note:**  
Repair areas shown are estimated. The Engineer shall document actual locations of repairs on As-Built Plans.

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft	22
Concrete Median Repair	Sq. Ft	40

**LEGEND**

Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)

Concrete Median Repair

sf - Square Feet

MODEL: Default  
FILE NAME: E:\1910-3\1\Struct\Final Design\CADD\Sheets\0162665-62R88-004-DeckSlabRepair.dgn

**LE** LIN ENGINEERING, LTD.  
Consulting Engineers  
Springfield, Illinois

USER NAME =	DESIGNED - CZ	REVISED -
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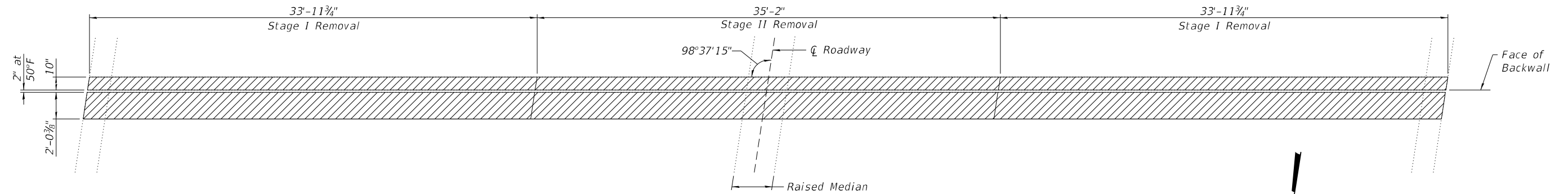
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DECK SLAB REPAIR PLAN  
STRUCTURE NO. 016-2665**

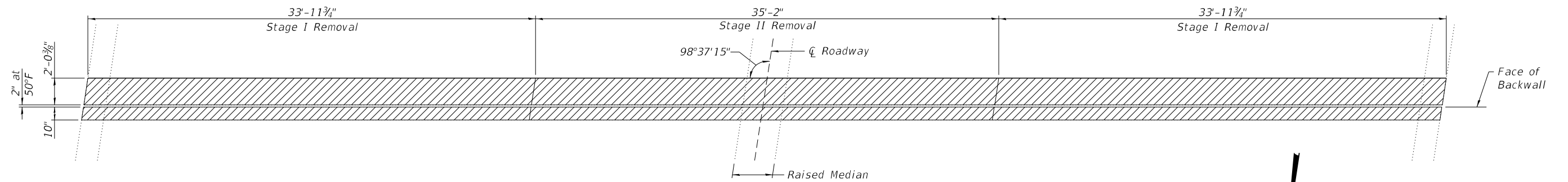
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				





JOINT REMOVAL AT SOUTH ABUTMENT



JOINT REMOVAL AT NORTH ABUTMENT

Notes:  
 Hatched areas indicate limits of  
 Concrete Removal.  
 See Sheet 7 of 10 for Sections.

(Sheet 1 of 3)

MODEL: Default  
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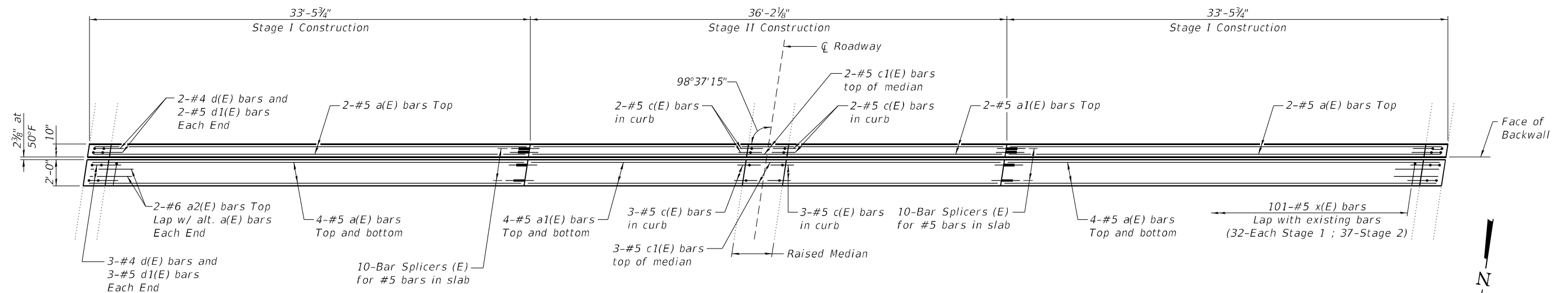
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

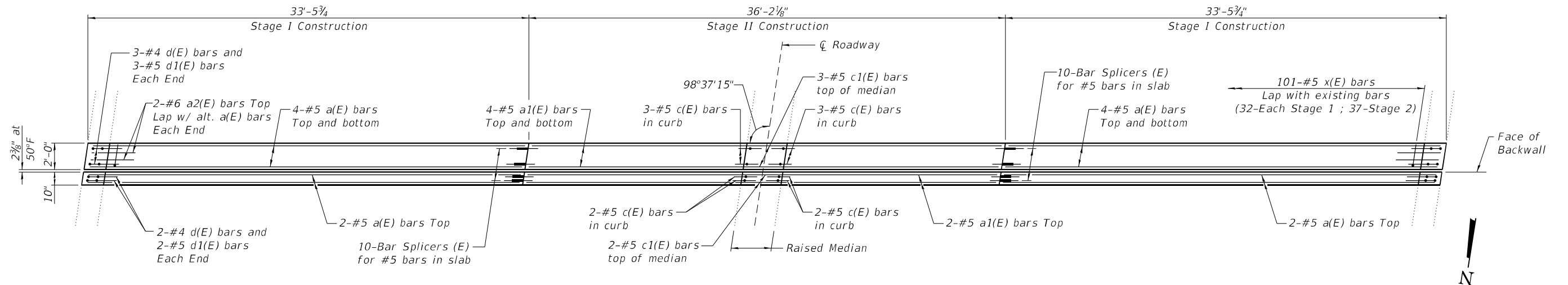
**JOINT REPLACEMENT DETAILS  
 STRUCTURE NO. 016-2665**

SHEET 5 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22 BJ	COOK	59	41
CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				



JOINT REPLACEMENT AT SOUTH ABUTMENT



JOINT REPLACEMENT AT NORTH ABUTMENT

(Sheet 2 of 3)

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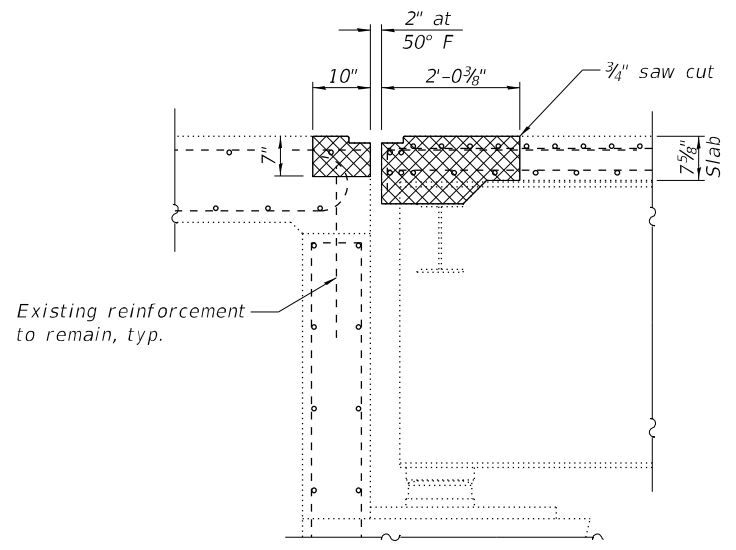
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

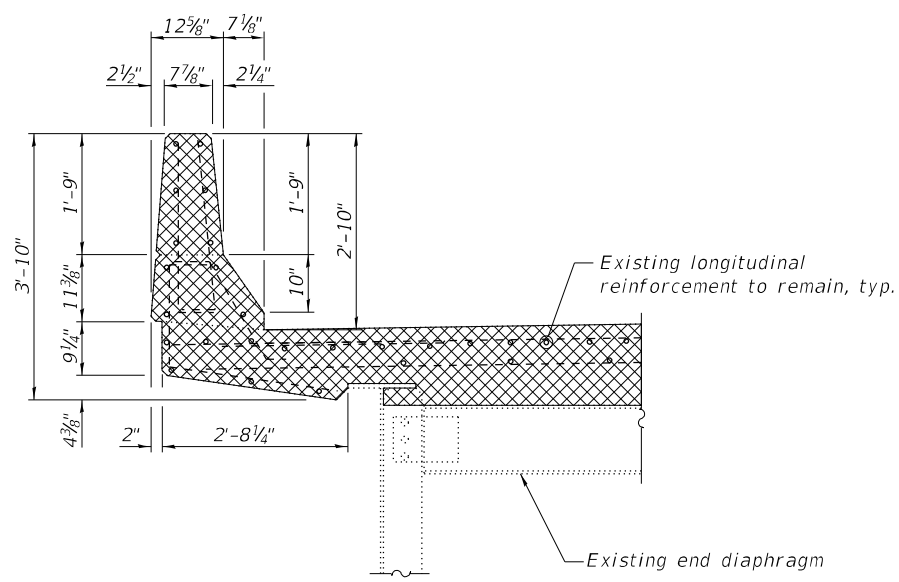
JOINT REPLACEMENT DETAILS  
 STRUCTURE NO. 016-2665

SHEET 6 OF 10 SHEETS

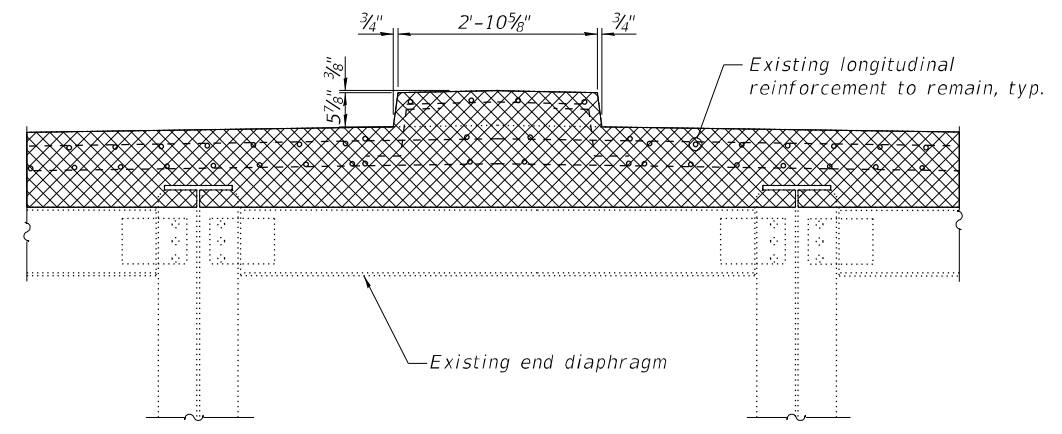
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CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				



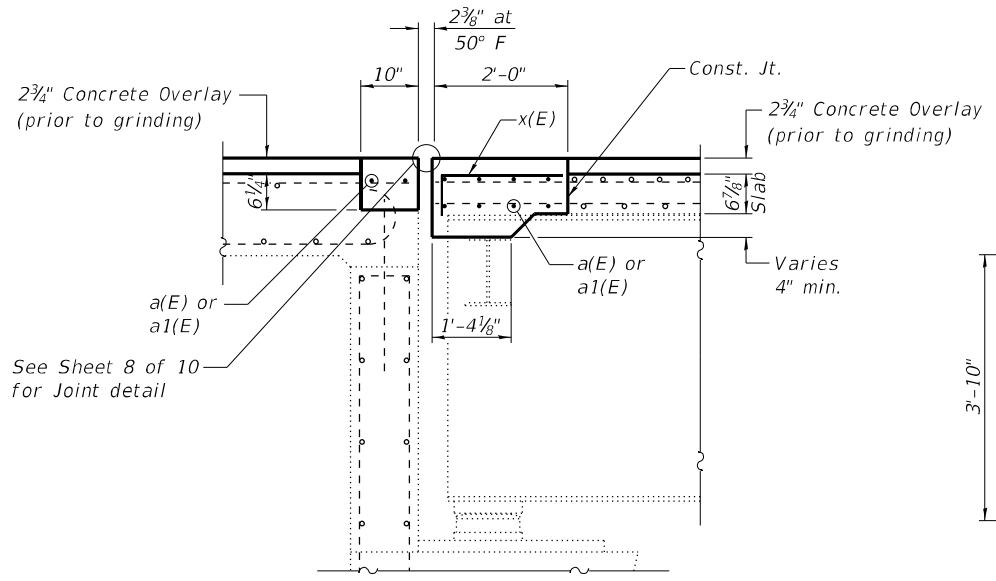
**SECTION THRU JOINT AT ABUTMENTS**  
(Showing Removal)



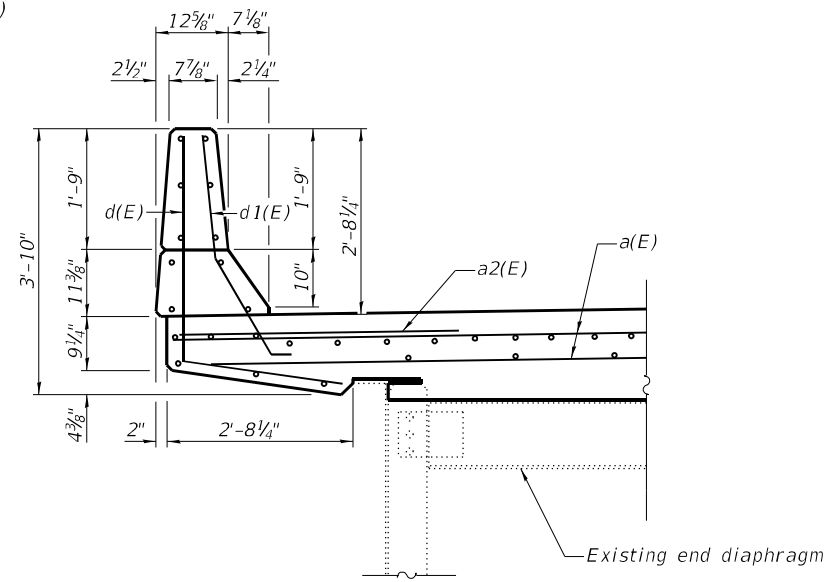
**SECTION THRU PARAPET AT JOINT**  
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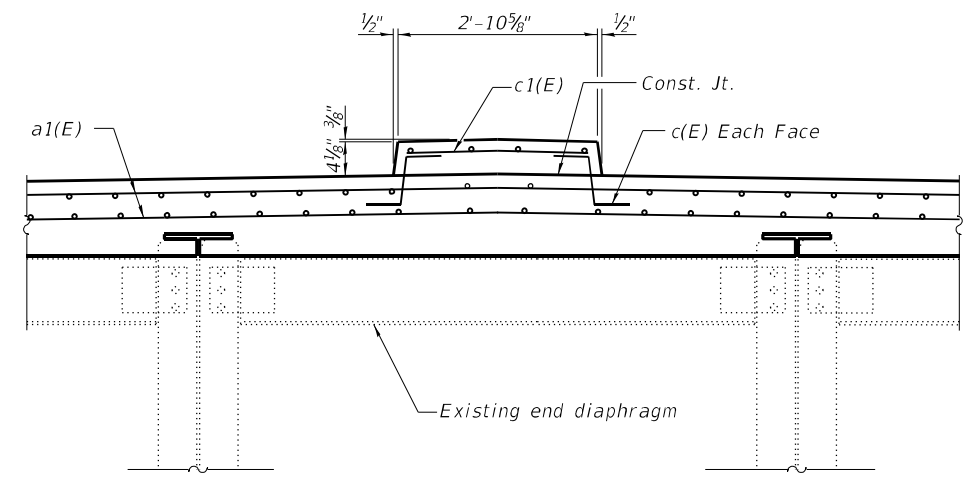
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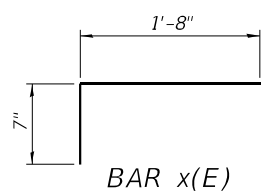
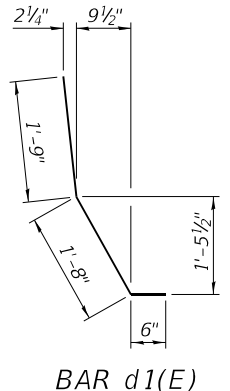
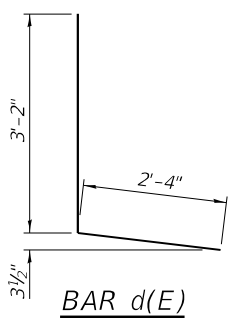
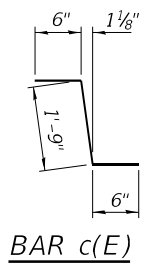
**SECTION THRU JOINT AT ABUTMENTS**  
(Showing Proposed)



**SECTION THRU PARAPET AT JOINT**  
(Showing Proposed)



**SECTION THRU MEDIAN AT JOINT**  
(Showing Proposed)



Note:  
Cross-hatched areas indicate limits of  
Concrete Removal.

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	40	#5	33'-0"	—
a1(E)	20	#5	35'-10"	—
a2(E)	8	#6	4'-0"	—
c(E)	20	#5	1'-9"	⌒
c1(E)	10	#5	2'-7"	—
d(E)	20	#4	5'-6"	L
d1(E)	20	#5	3'-11"	⌒
x(E)	202	#5	2'-3"	⌒
Concrete Removal			Cu. Yd.	18.2
Concrete Superstructure			Cu. Yd.	21.9
Reinforcement Bars, Epoxy Coated			Pound	2,870

(Sheet 3 of 3)

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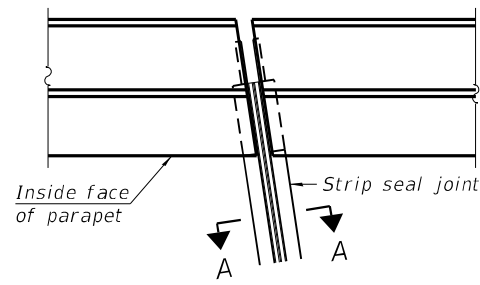
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

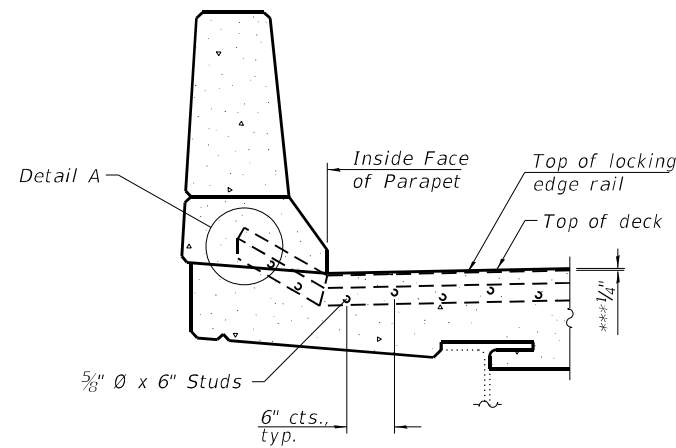
**JOINT REPLACEMENT DETAILS  
STRUCTURE NO. 016-2665**

SHEET 7 OF 10 SHEETS

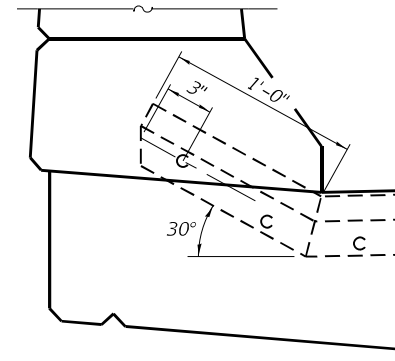
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CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				



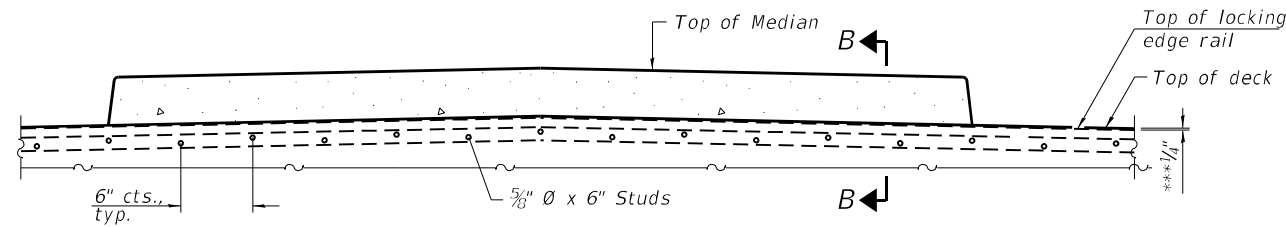
**PLAN AT PARAPET**



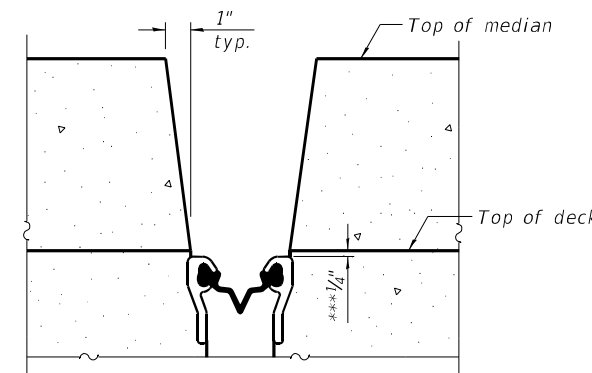
**SECTION AT PARAPET**



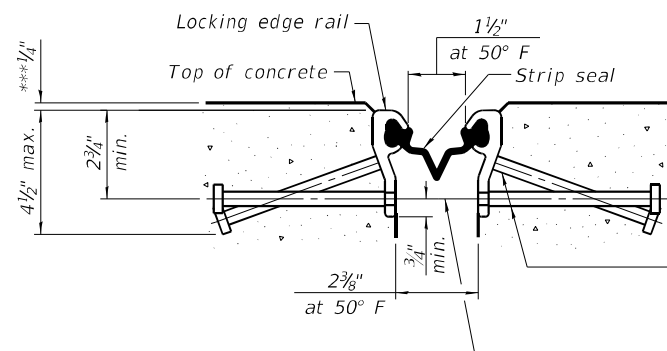
**DETAIL A**



**SECTION AT MEDIAN**



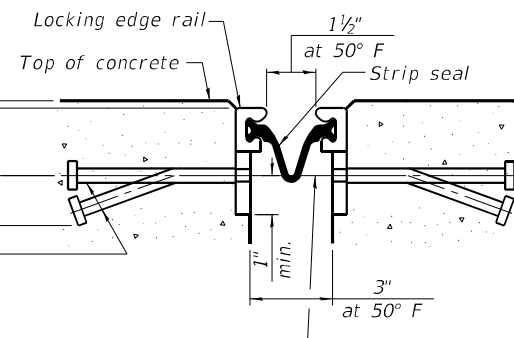
**SECTION B-B**



**SHOWING ROLLED RAIL JOINT**

\* 5/8"  $\phi$  x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

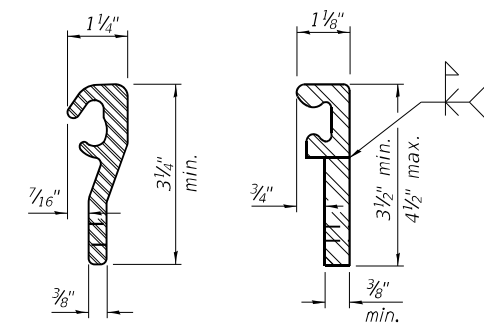
3/8"  $\phi$  threaded rods in 1/16"  $\phi$  holes at  $\pm 4'-0"$  cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.



**SHOWING WELDED RAIL JOINT**

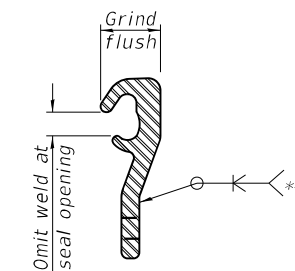
**SECTION A-A**

\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



**LOCKING EDGE RAILS**

\*\* Back gouge not required if complete joint penetration is verified by mock-up.



**LOCKING EDGE RAIL SPLICE**

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

**BILL OF MATERIAL**

Item	Unit	Total
Preformed Joint Strip Seal	Foot	204

**Notes:**

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

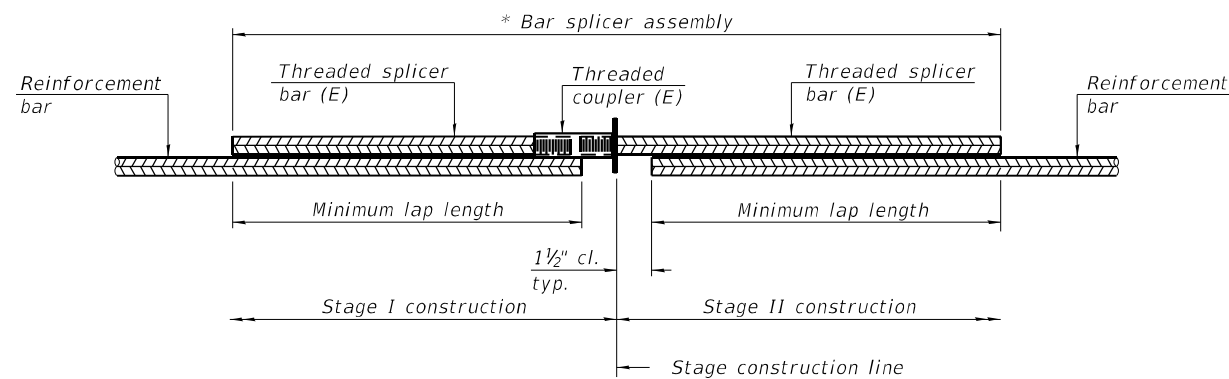
The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required.

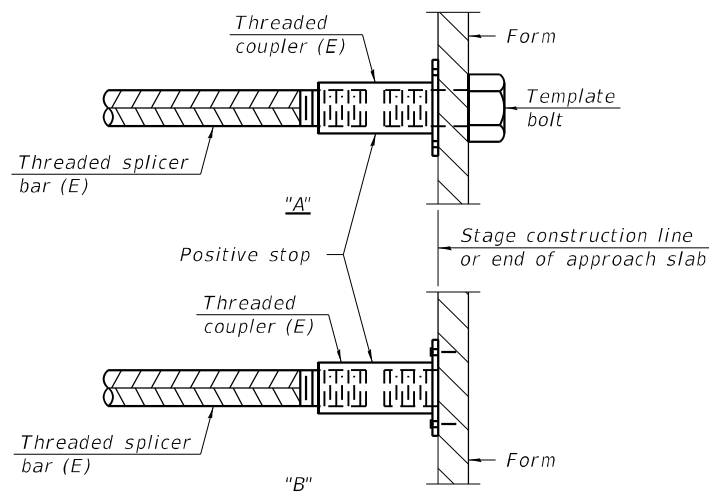


**STANDARD BAR SPLICER ASSEMBLY PLAN**  
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

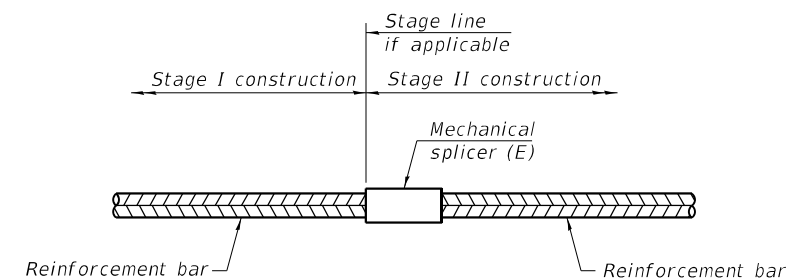
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Approach Deck	#5	8	3'-0"
Bridge Deck	#5	32	3'-0"



**INSTALLATION AND SETTING METHODS**

"A" : Set bar splicer assembly by means of a template bolt.  
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.  
 (E) : Indicates epoxy coating.



**STANDARD MECHANICAL SPLICER**

Location	Bar size	No. assemblies required

Notes:  
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.  
 All reinforcement shall be lapped and tied to the splicer bars.  
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.  
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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BSD-1

1-1-2020



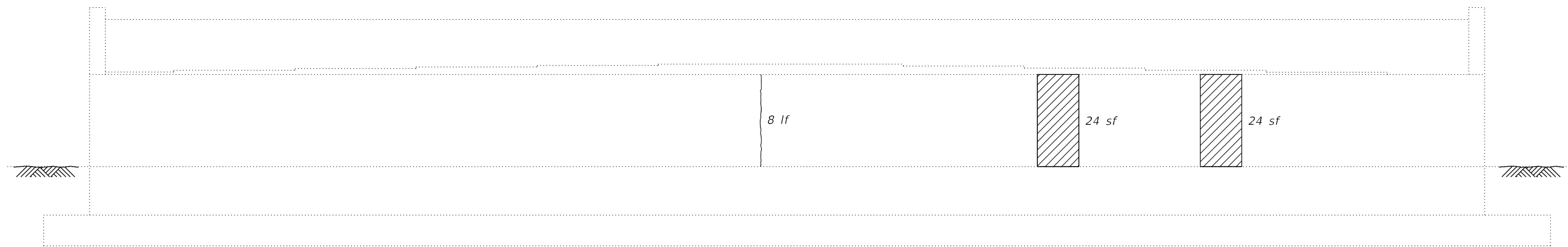
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

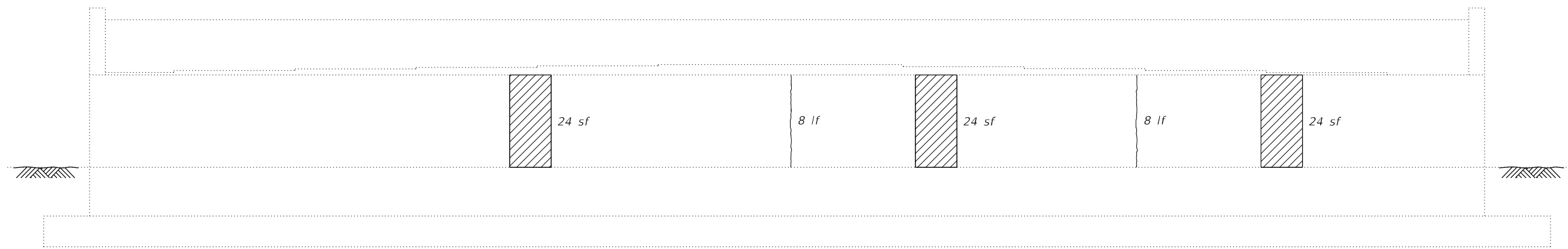
BAR SPLICER ASSEMBLY DETAILS  
 STRUCTURE NO. 016-2665

SHEET 9 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22 BJ	COOK	59	45
CONTRACT NO. 62R88				
ILLINOIS FED. AID PROJECT				



**NORTH ABUTMENT**  
(Looking North)



**SOUTH ABUTMENT**  
(Looking South)

**LEGEND**

- Structural Repair of Concrete  
(Depth equal to or less than 5")
- Epoxy Crack Injection
- sf* Square Feet
- lf* Linear Feet

*Note:*  
Repair of the existing abutments shall include but may not be limited to the areas shown. The actual area to be repaired will be determined by the Engineer at the time of construction.

**BILL OF MATERIAL**

Item	Unit	Total
Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.	120
Epoxy Crack Injection	Foot	24

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**LE** LIN ENGINEERING, LTD.  
Consulting Engineers  
Springfield, Illinois

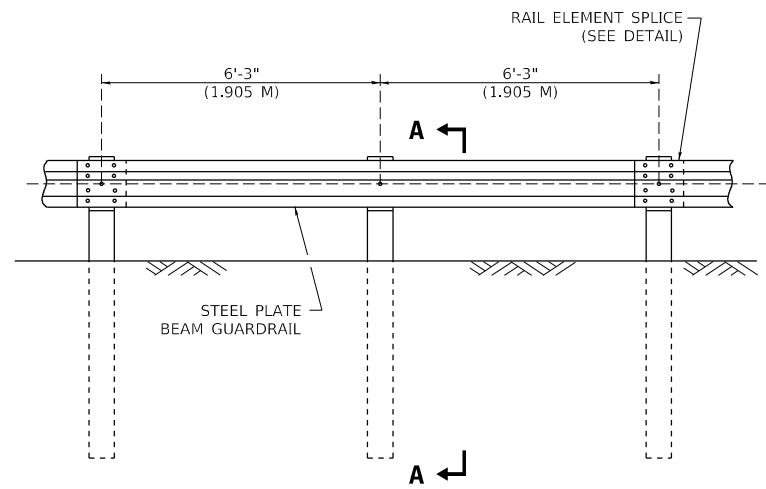
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUBSTRUCTURE REPAIR  
STRUCTURE NO. 016-2665**

SHEET 10 OF 10 SHEETS

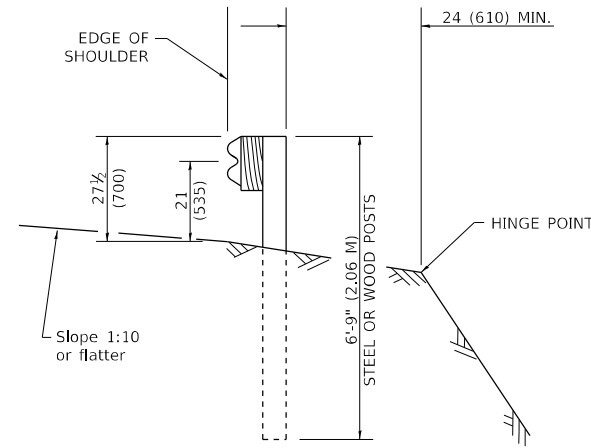
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CONTRACT NO. 62R88				
		ILLINOIS	FED. AID PROJECT	



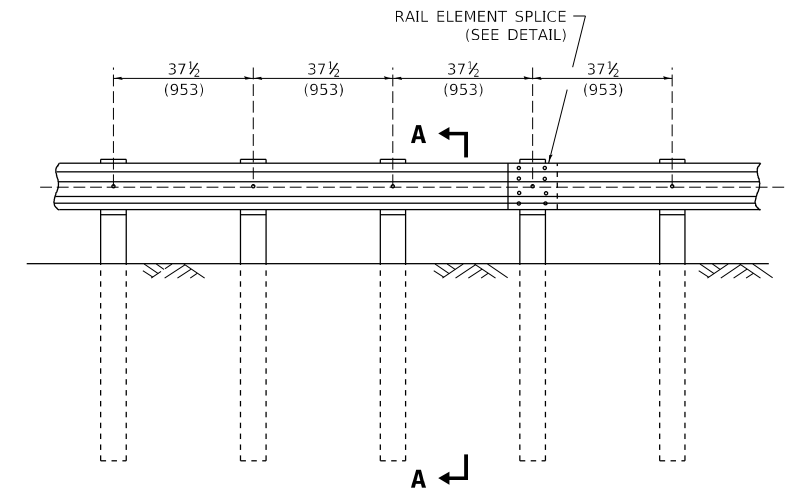
ELEVATION

**TYPE A**

6'-3" (1.905 M) TYPICAL POST SPACING



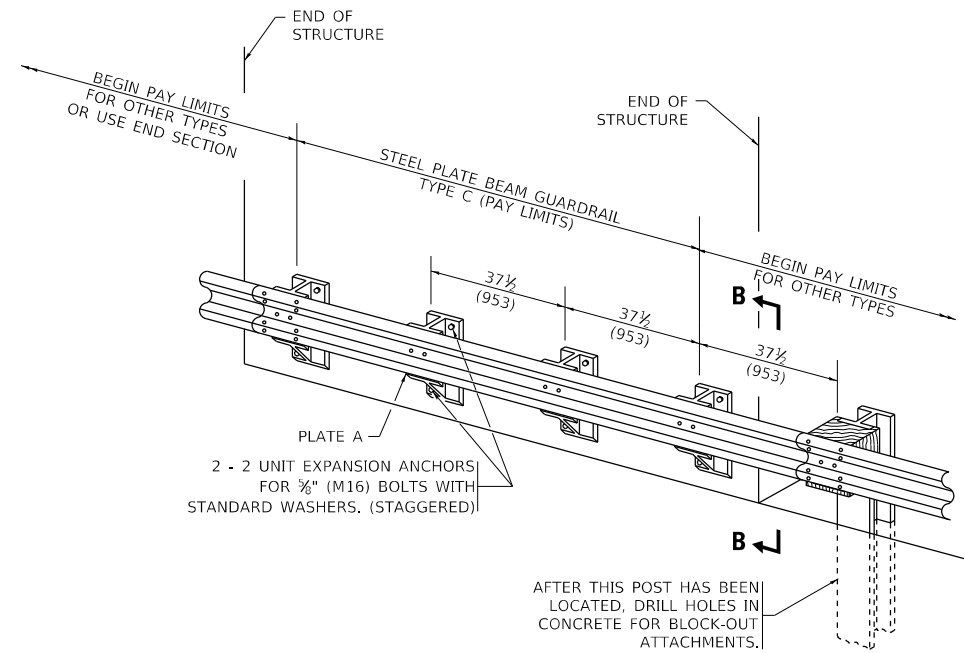
SECTION A-A



ELEVATION

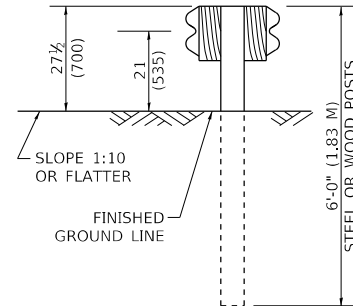
**TYPE A**

37 1/2 (953) CLOSED POST SPACING

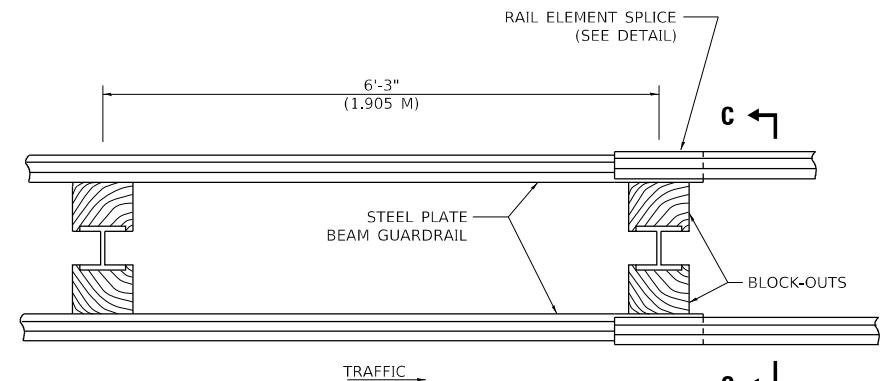


**TYPE C**

37 1/2 (953) BLOCK-OUT SPACING



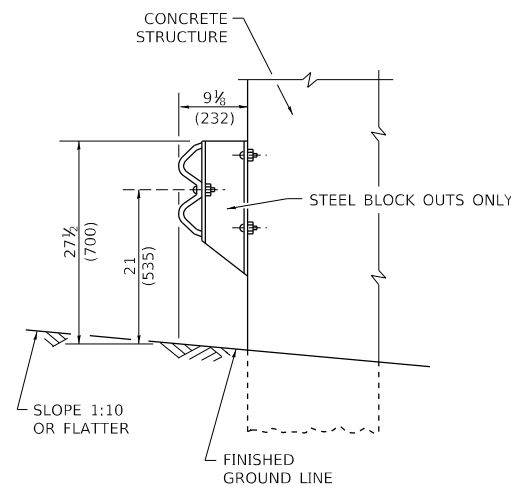
SECTION C-C



PLAN

**TYPE D**

DOUBLE STEEL PLATE BEAM GUARDRAIL  
6'-3" (1.905 M) TYPICAL POST SPACING



SECTION B-B

**GENERAL NOTES**

ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

THE EXISTING STEEL POSTS MAY BE DRILLED TO MATCH THE BOLT PATTERN SHOWN HEREIN FOR THE WOOD BLOCK-OUT, OR A NEW STEEL POST SHALL BE PROVIDED.

THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.

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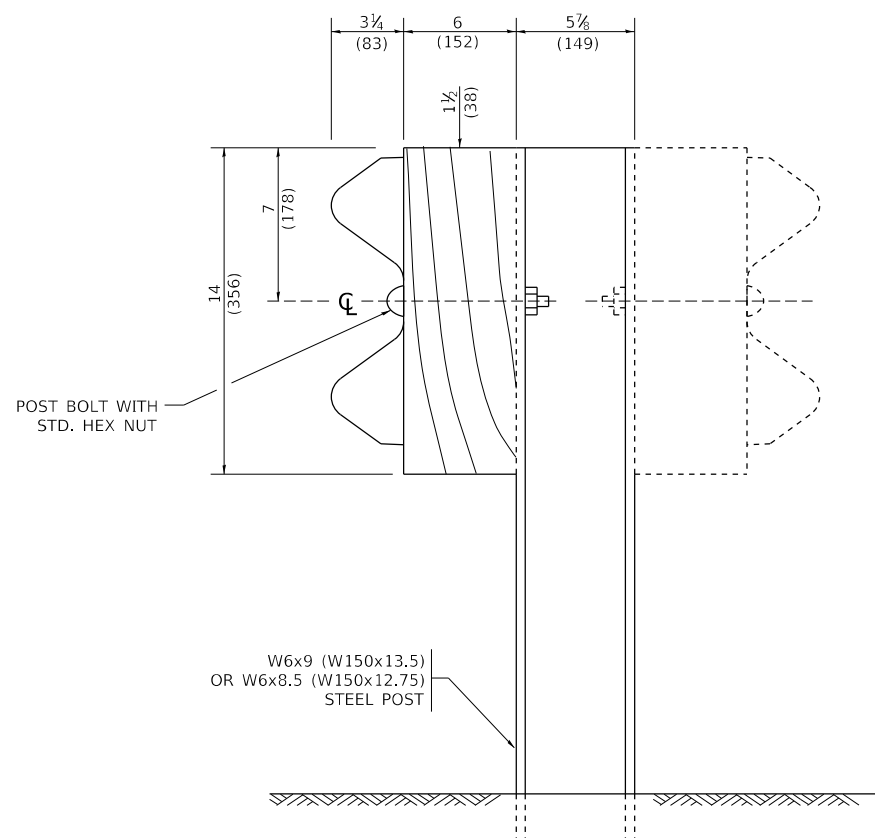
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

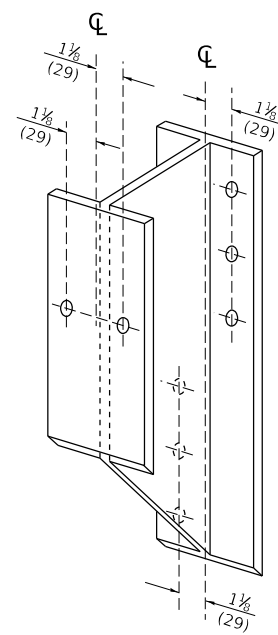
**REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL**

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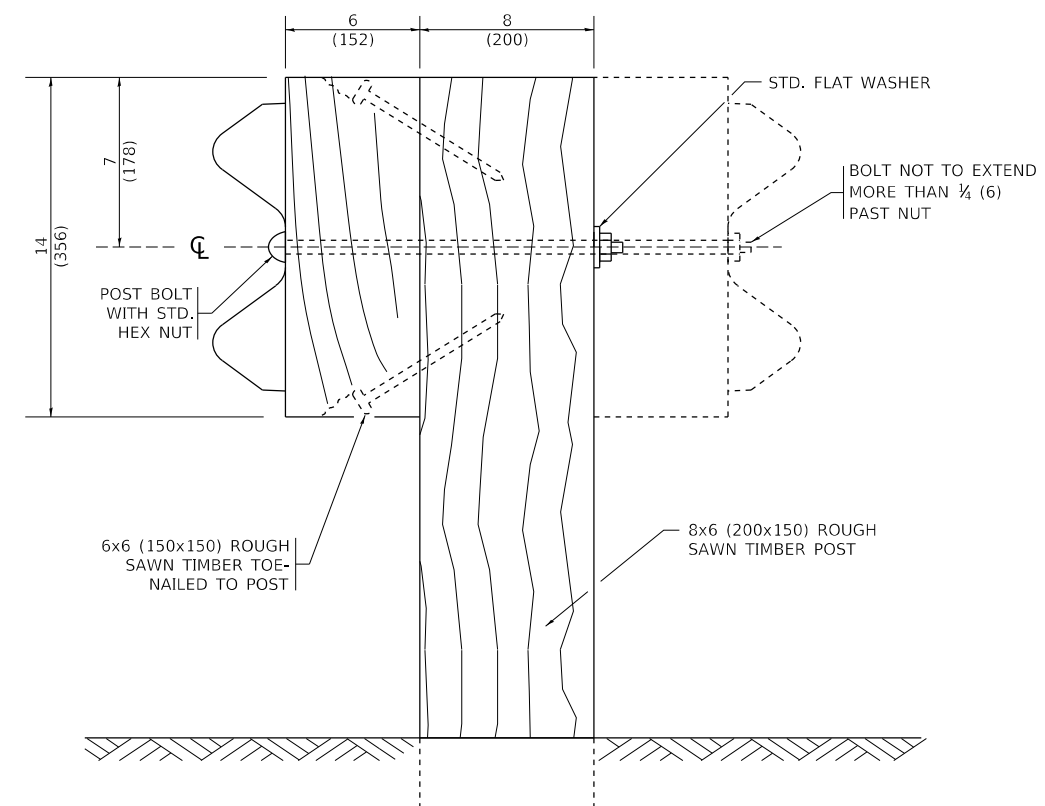
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BM-21		CONTRACT NO. 62R88		
ILLINOIS FED. AID PROJECT				



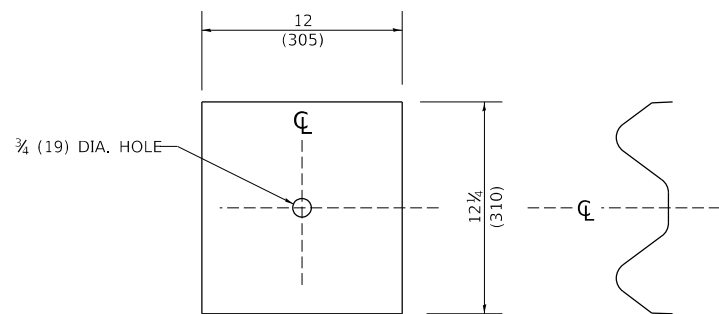
**STEEL POST CONSTRUCTION**



**STEEL BLOCK-OUT DETAIL**

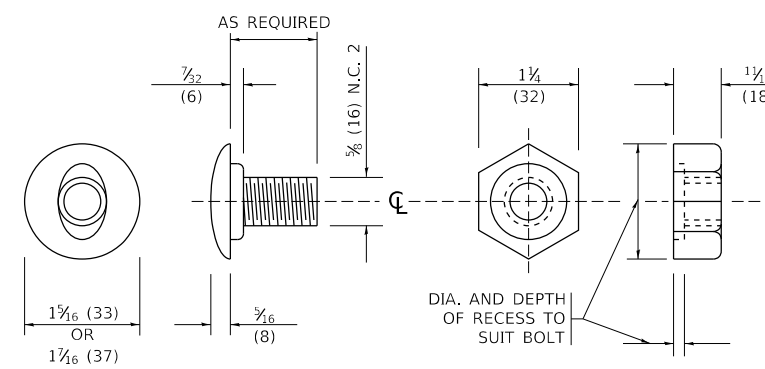


**WOOD POST CONSTRUCTION**



**NOTE:**  
 PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

**PLATE A**



**POST OR SPLICE BOLT & NUT**

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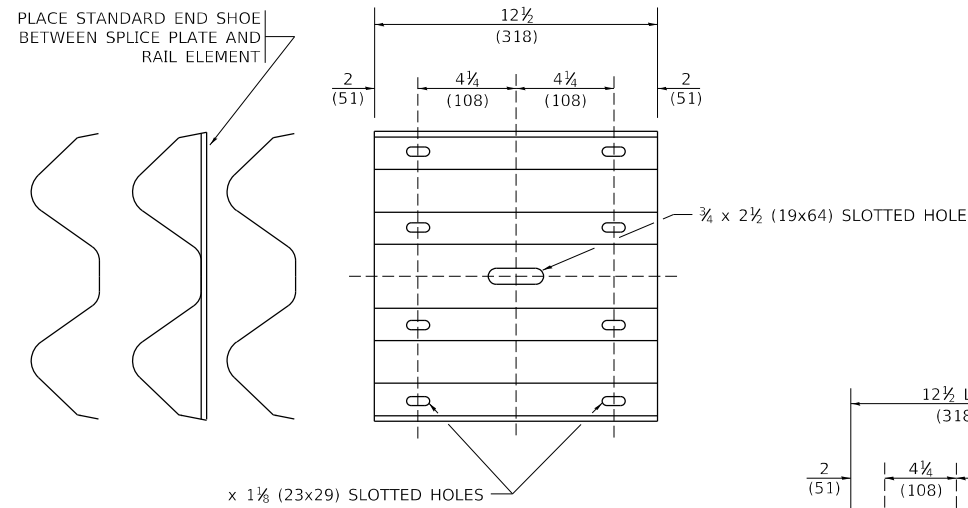
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

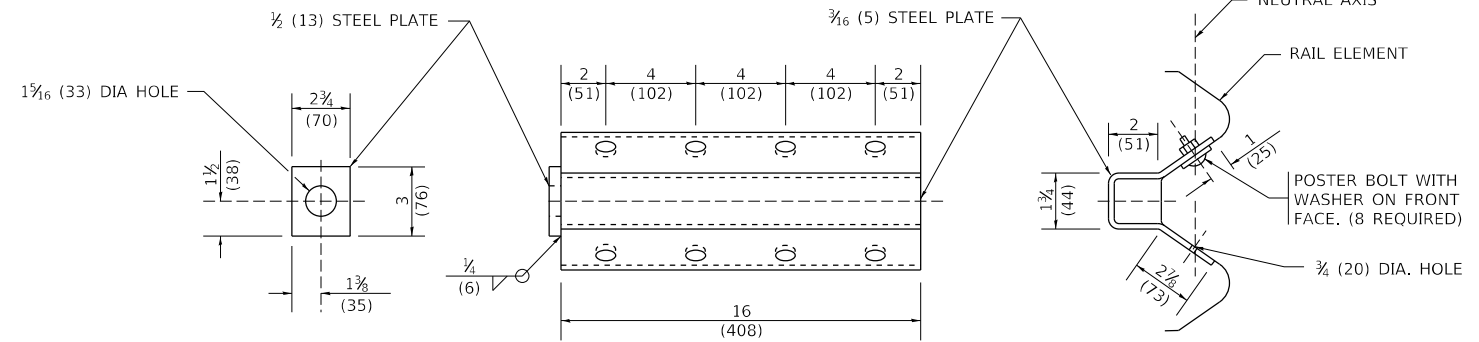
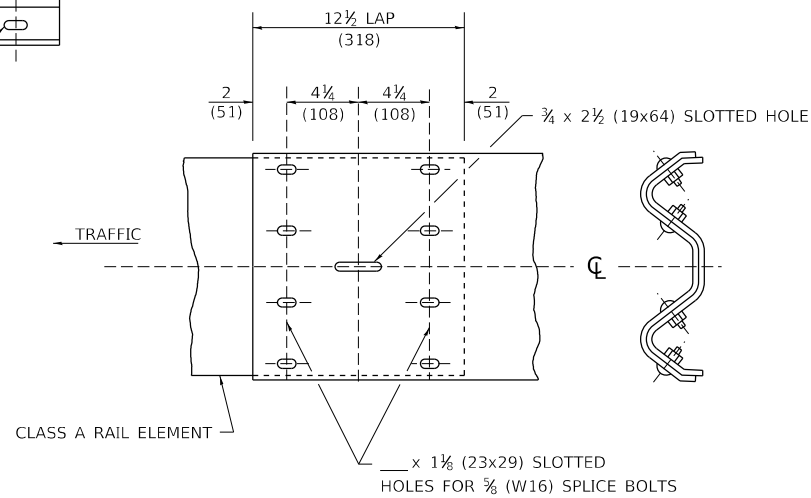
<b>REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL</b>			
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	48
BM-21		CONTRACT NO. 62R88		
ILLINOIS FED. AID PROJECT				





**SPLICE PLATE**

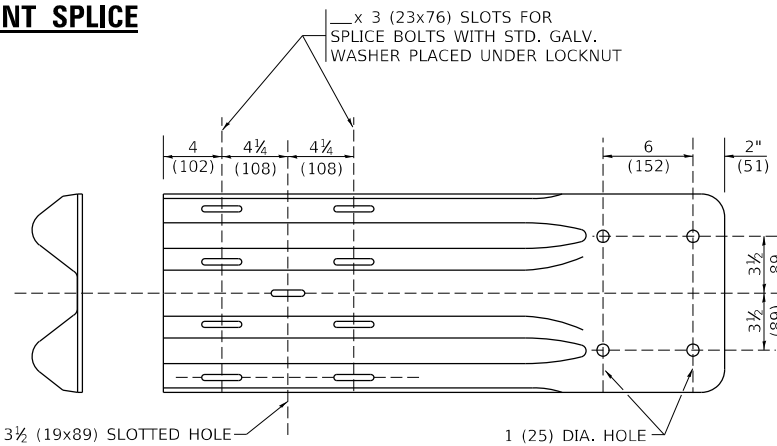


**NOTE:**

ANCHOR PLATE T SHALL BE USED TO ATTACH CABLE ASSEMBLY TO GUARDRAIL WHEN REQUIRED ON TRAFFIC BARRIER TERMINALS.

**ANCHORE PLATE T DETAILS**

**RAIL ELEMENT SPLICE**



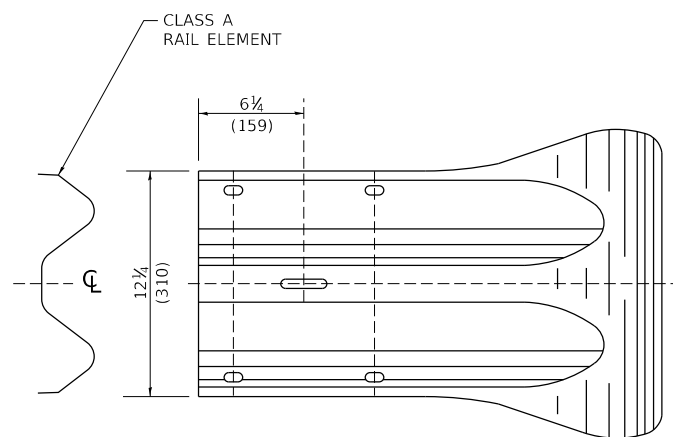
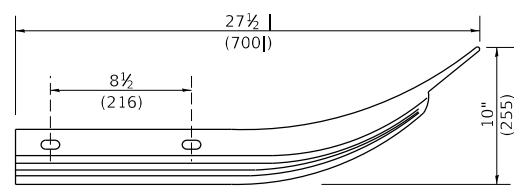
**END SHOE**

**NOTE:**

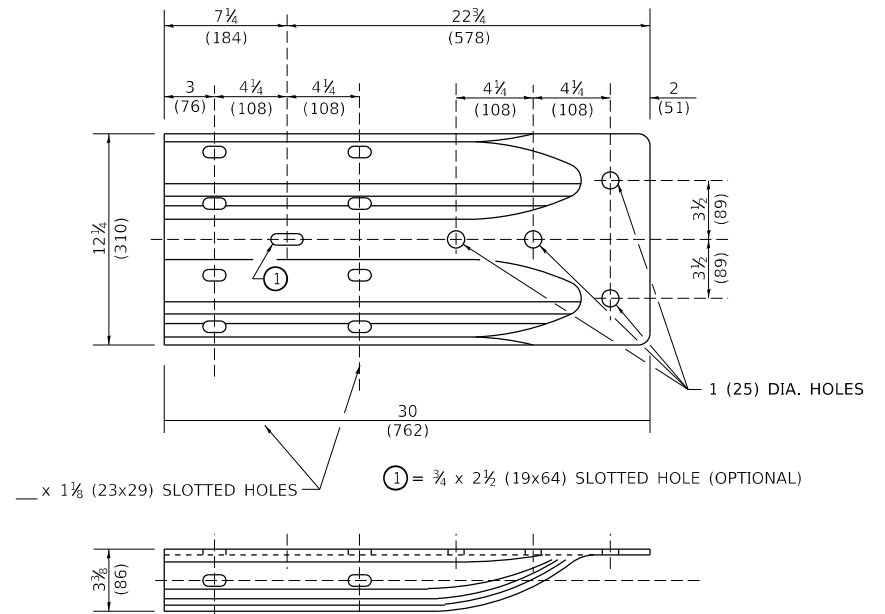
WHEN END SHOE IS ATTACHED TO A BRIDGE PARAPET WHICH HAS AN EXPANSION JOINT, THE BOLTS SHALL BE PROVIDED WITH A LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW GUARDRAIL MOVEMENT.

THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

EXTERNALLY THREADED STUDS PROTRUDING FROM THE SURFACE OF THE CONCRETE WILL NOT BE PERMITTED.



**END SECTION**



**ALTERNATE END SHOE**

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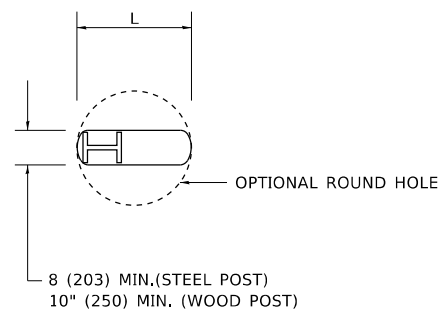
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

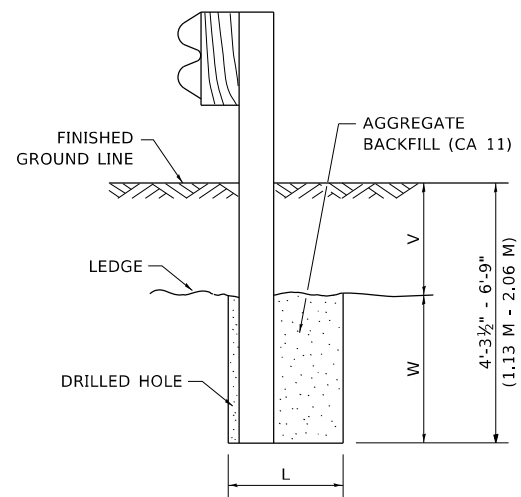
**REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL**

SCALE: NONE SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	49
BM-21		CONTRACT NO. 62R88		
ILLINOIS FED. AID PROJECT				



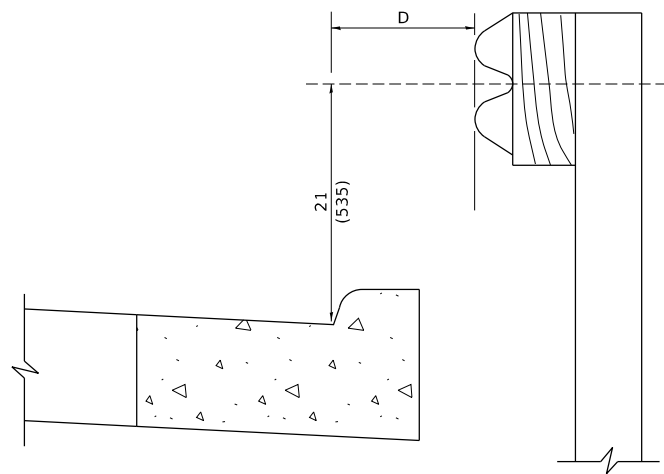
**PLAN**



**NOTE:**  
LEDGE LINE IS TOP OF ROCK  
LEDGE OR HARD SLAG FILL.

**ELEVATION**

**FOOTING FOR POST WHEN IMPERVIOUS  
MATERIAL IS ENCOUNTERED**



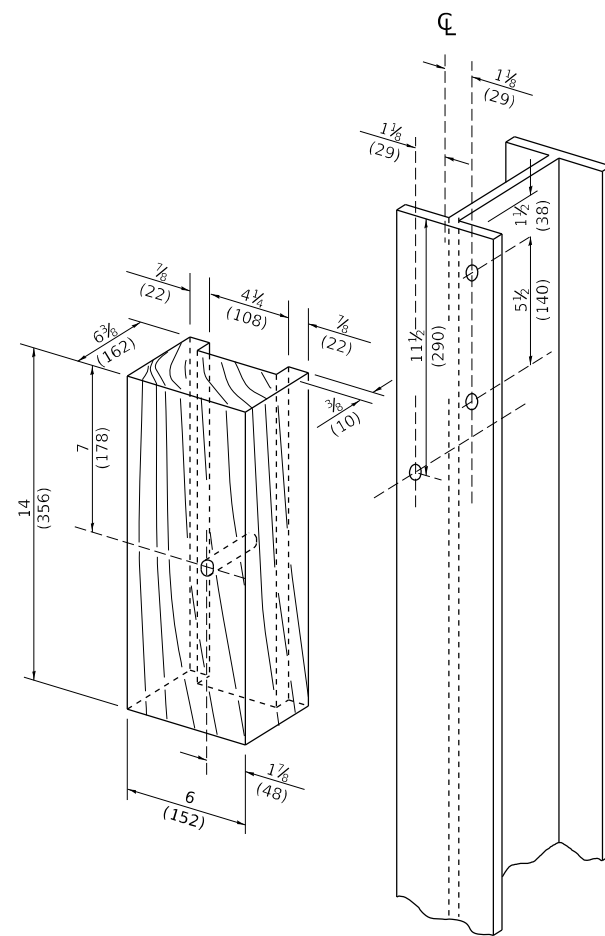
**NOTE:**

IF IT IS NECESSARY FOR D TO BE MORE THAN 12 (300) AND LESS THAN 10'-0" (3.0 M) TYPE M-2 (M-5) CURB AND GUTTER (STD. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

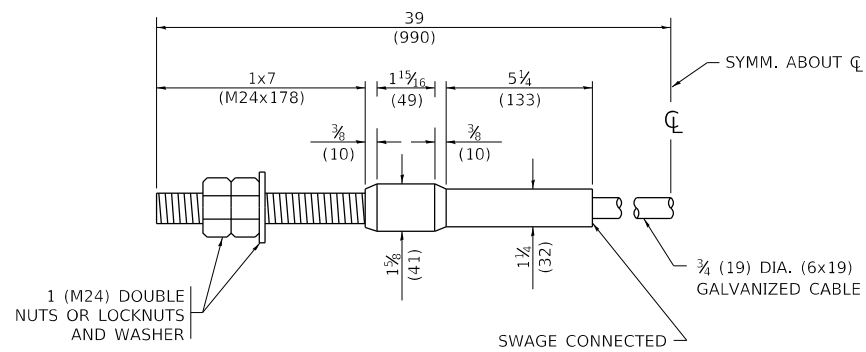
**GUARDRAIL PLACED BEHIND CURB**

(D = O DESIRABLE TO 12 (300) MAXIMUM)

V	W	L	
		STEEL POST	WOOD POST
0 - 18 (0 - 460)	24 (610)	21 (530)	23 (580)
>18 - 41.5 (> 460 - 825)	12 (305)	8 (203)	10 (250)
>41.5 - 53.5 (> 825 - 1.13 M)	12 - 0 (350 - 0)	8 (203)	10 (250)



**WOOD BLOCK - OUT AND  
STEEL POST DETAILS**



**CABLE ASSEMBLY**

(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH)  
TIGHTEN TO TAUT TENSION

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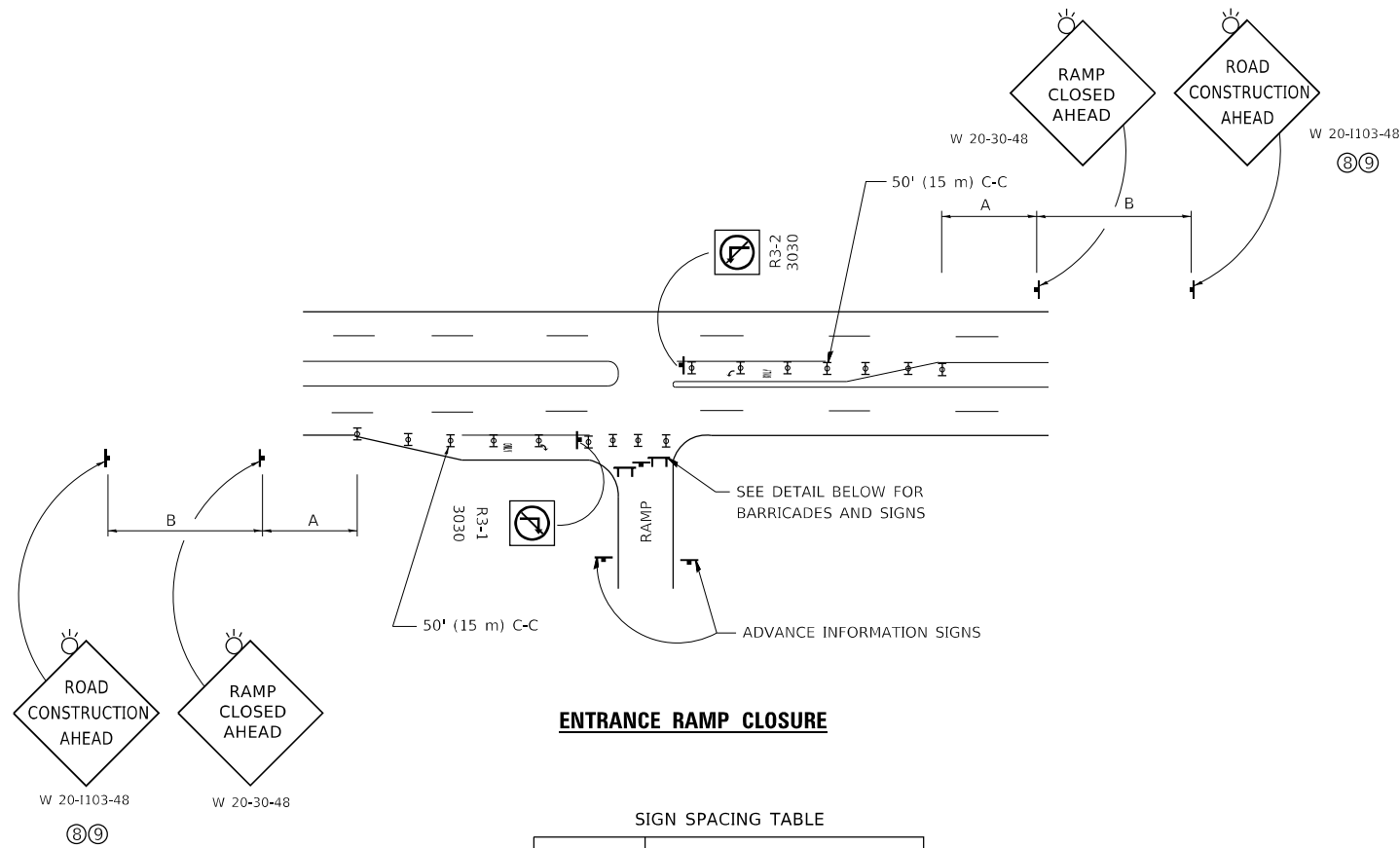
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL**

SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	50
BM-21			CONTRACT NO. 62R88	
ILLINOIS FED. AID PROJECT				

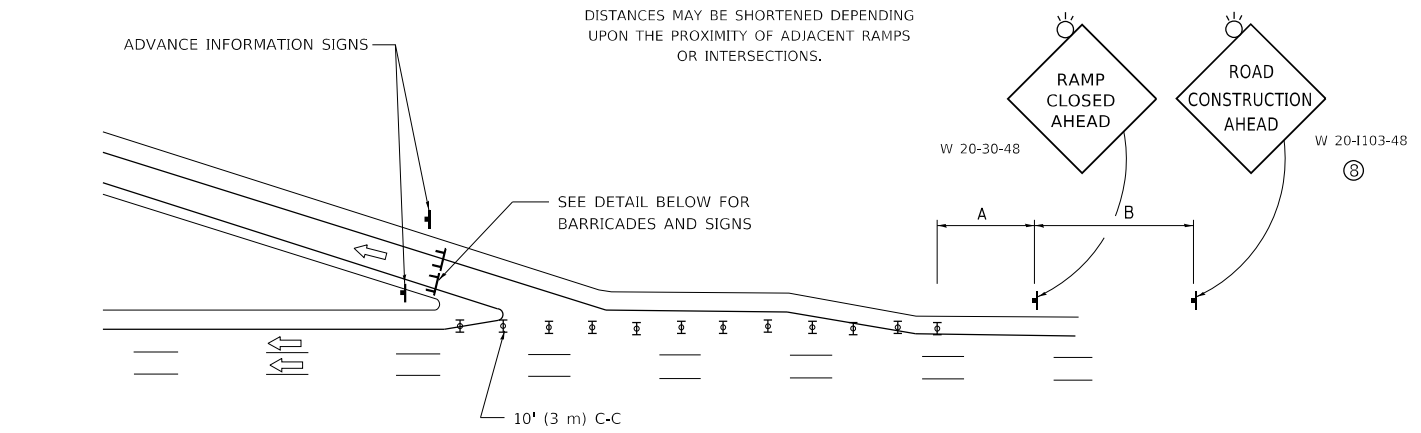


**ENTRANCE RAMP CLOSURE**

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

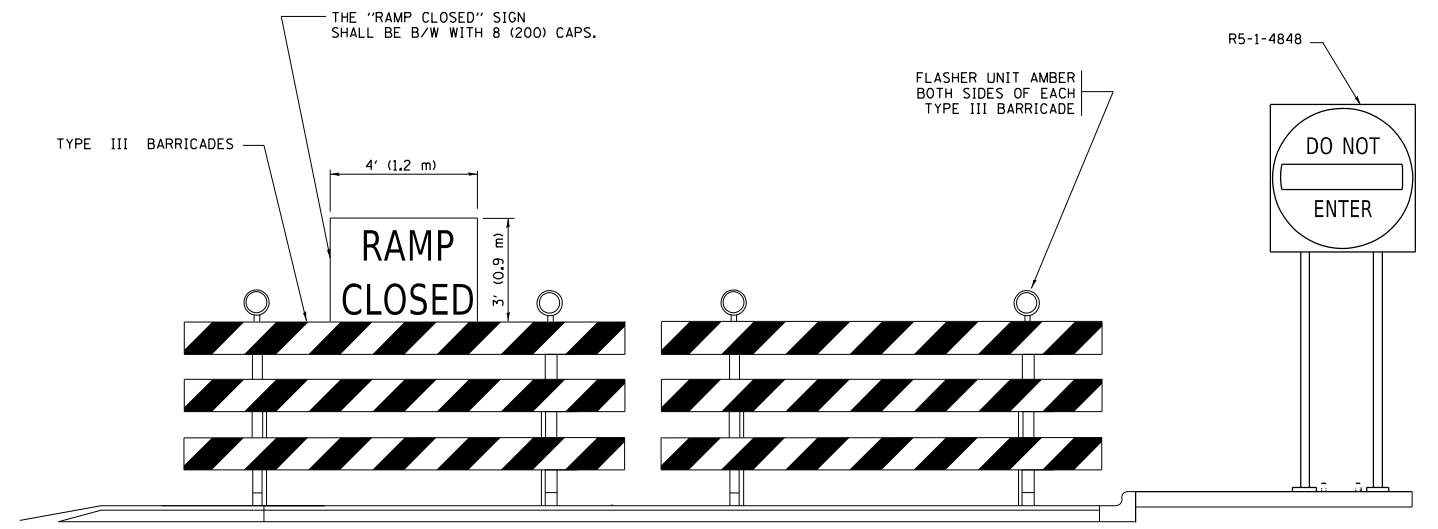
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



**EXIT RAMP CLOSURE**

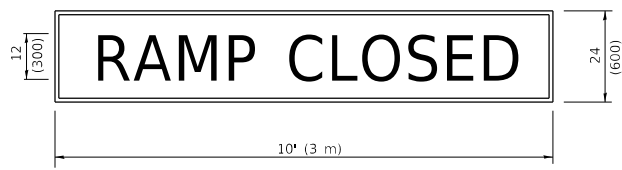
**SYMBOLS**

- ☐ TYPE II BARRICADE OR DRUM
- ☐ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



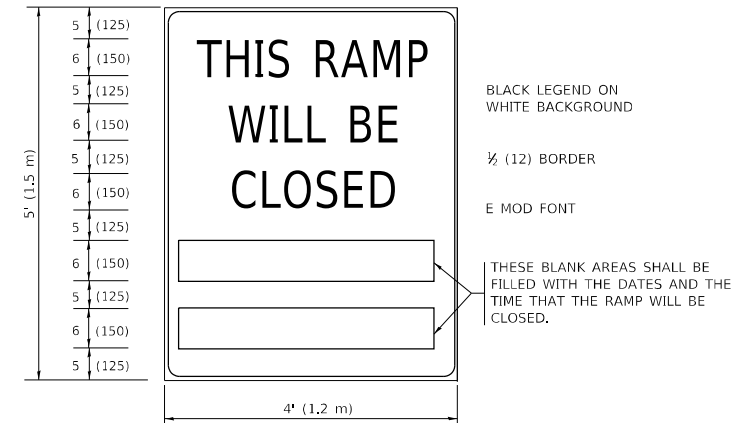
**DETAIL FOR REQUIRED BARRICADES & SIGNS**

**RAMP CLOSURE ADVANCE WARNING SIGN**



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY  
E MOD FONT  
1 (25) BORDER  
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

**RAMP CLOSURE ADVANCE INFORMATION SIGN**



BLACK LEGEND ON WHITE BACKGROUND  
1/2 (12) BORDER  
E MOD FONT  
THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.  
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

**GENERAL NOTES:**

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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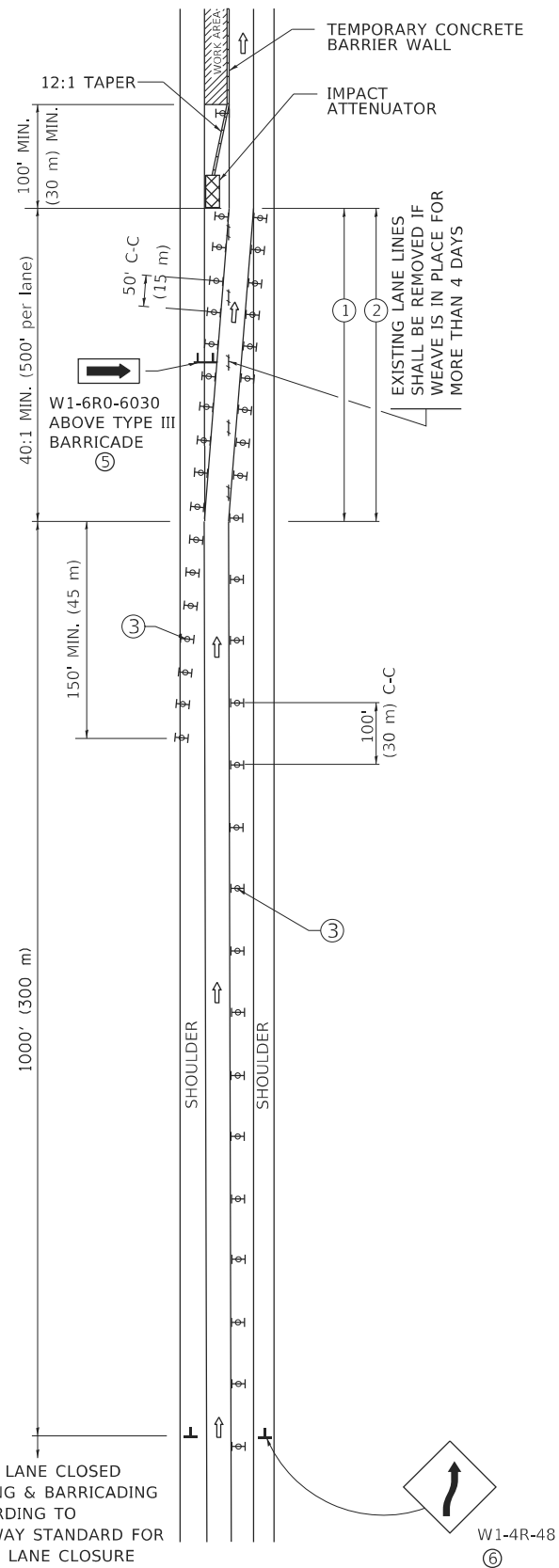
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE\_AND\_EXIT\_RAMP  
CLOSURE\_DETAILS**

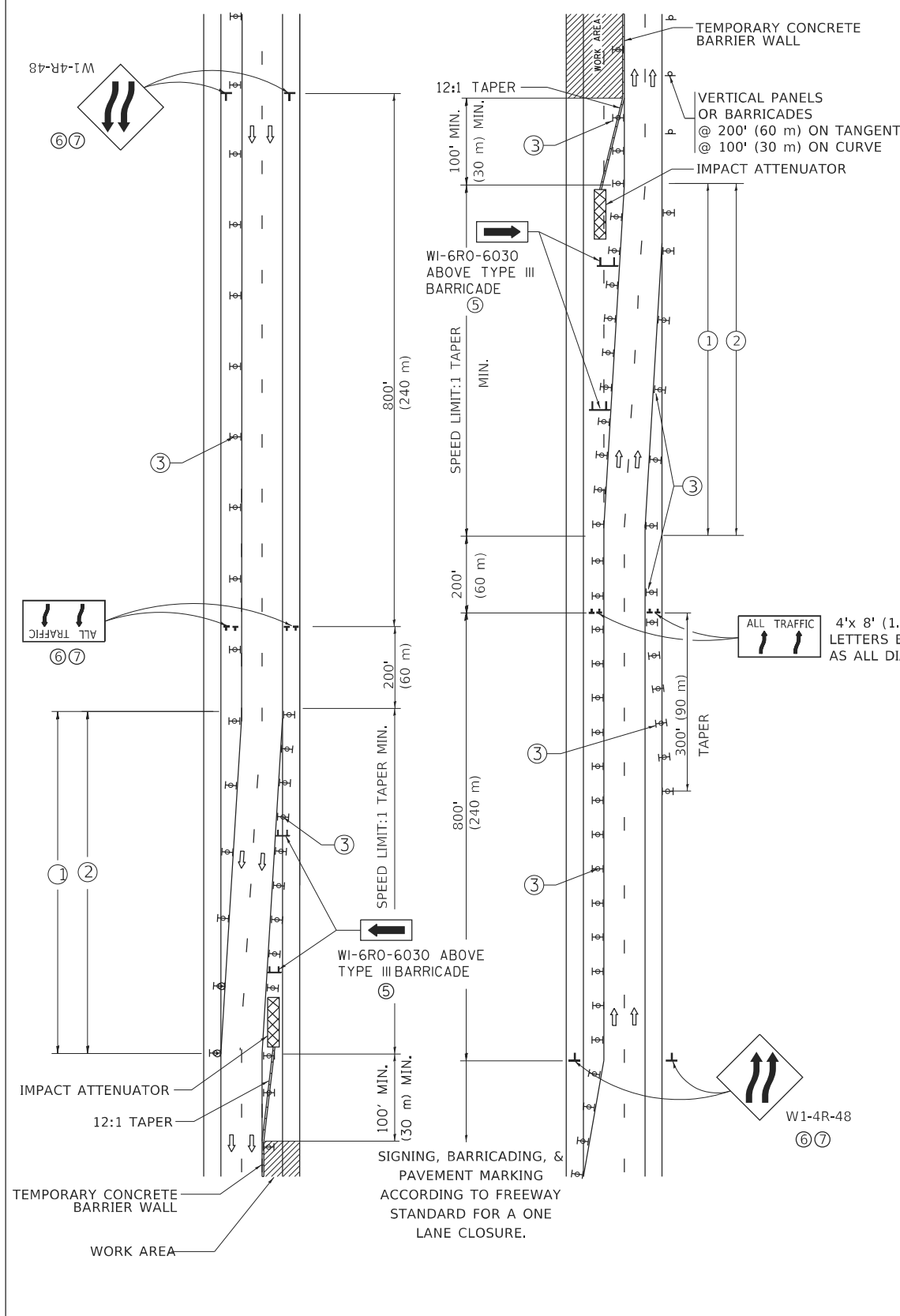
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-08		CONTRACT NO. 62R88		
ILLINOIS		FED. AID PROJECT		

# SINGLE LANE WEAVE

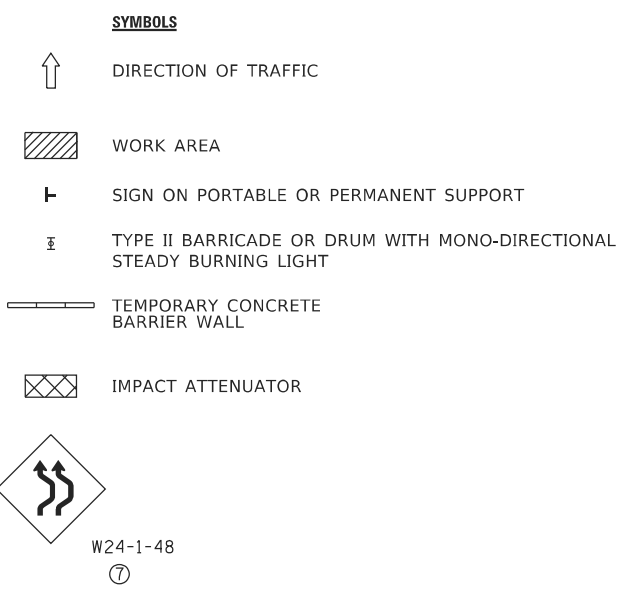


# MULTI-LANE WEAVE



### GENERAL NOTES:

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS, THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

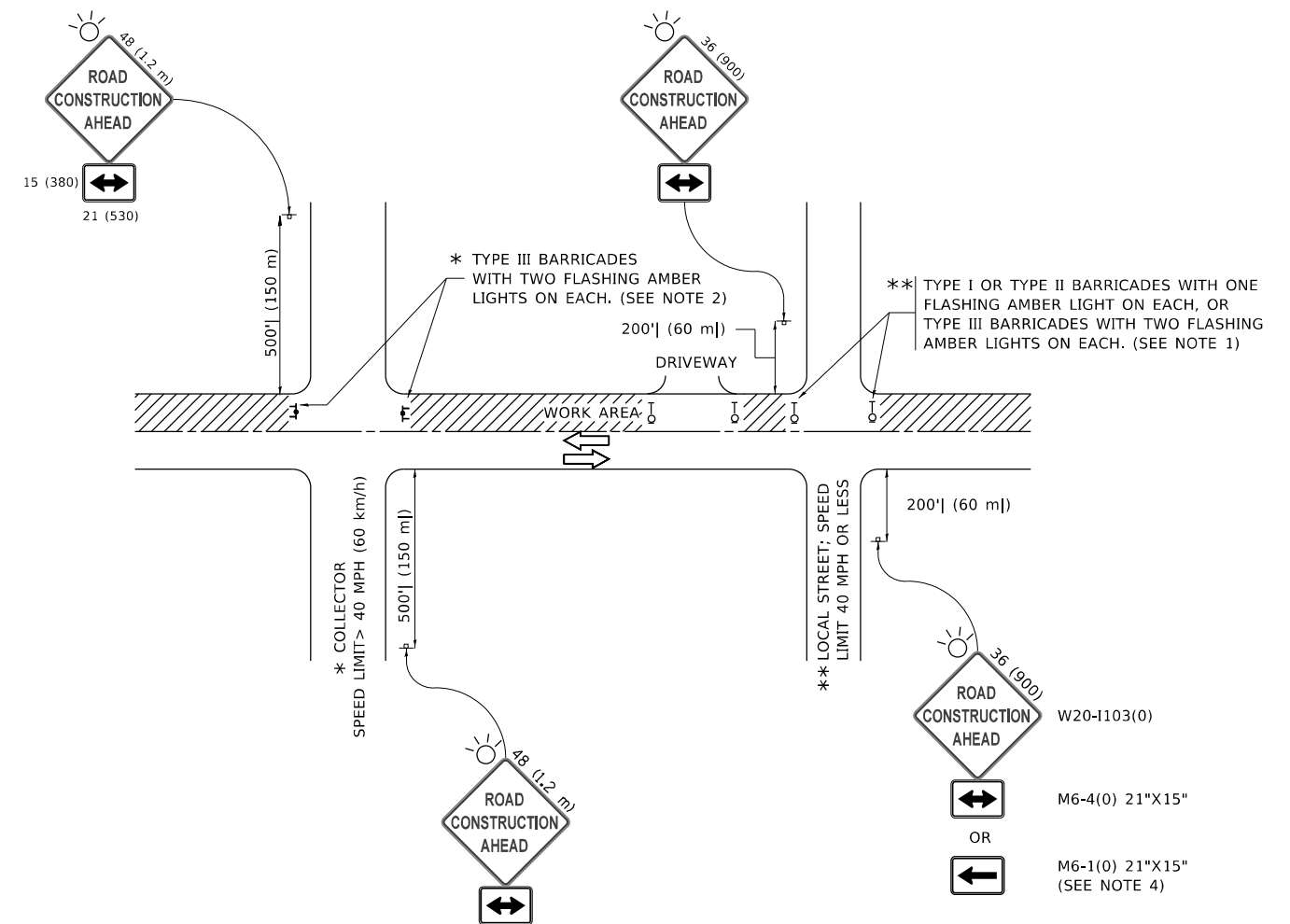
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	DATE - 02-87	REVISED - M.D. 06-13

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE &amp; MULTI-LANE WEAVE</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. 1 RTE. 55	SECTION FAI 55 22 BJ	COUNTY COOK	TOTAL SHEETS 59	SHEET NO. 52
TC-09		CONTRACT NO. 62R88		
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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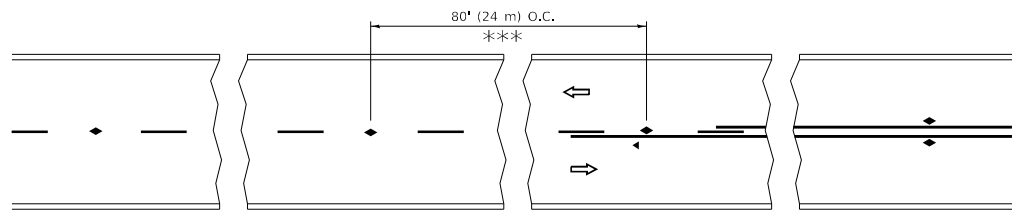
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

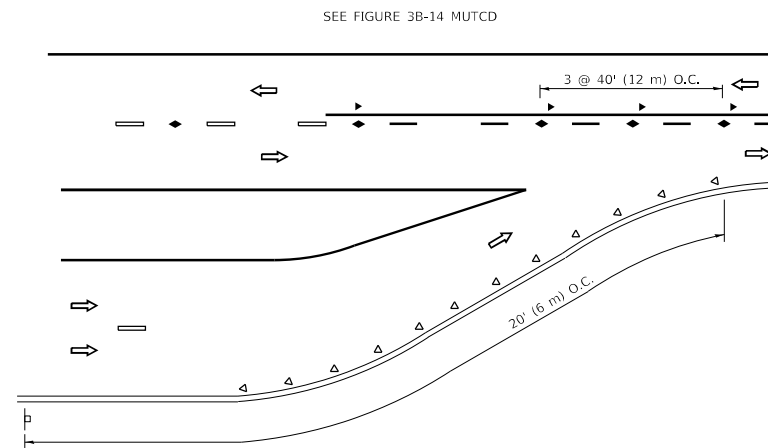
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>			CONTRACT NO. 62R88	
ILLINOIS FED. AID PROJECT				

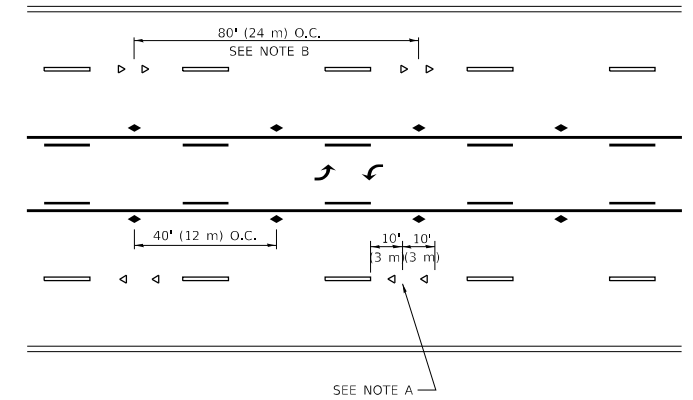


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

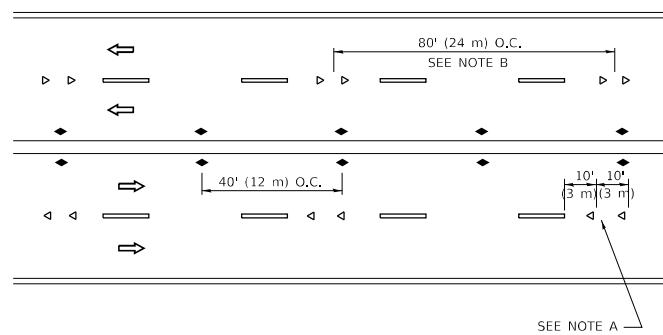
**TWO-LANE/TWO-WAY**



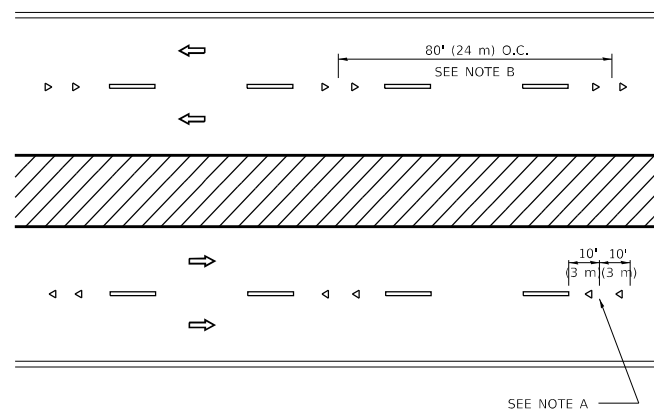
**LANE REDUCTION TRANSITION**



**TWO-WAY LEFT TURN**



**MULTI-LANE/UNDIVIDED**



**MULTI-LANE/DIVIDED**

**GENERAL NOTES**

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

**SYMBOLS**

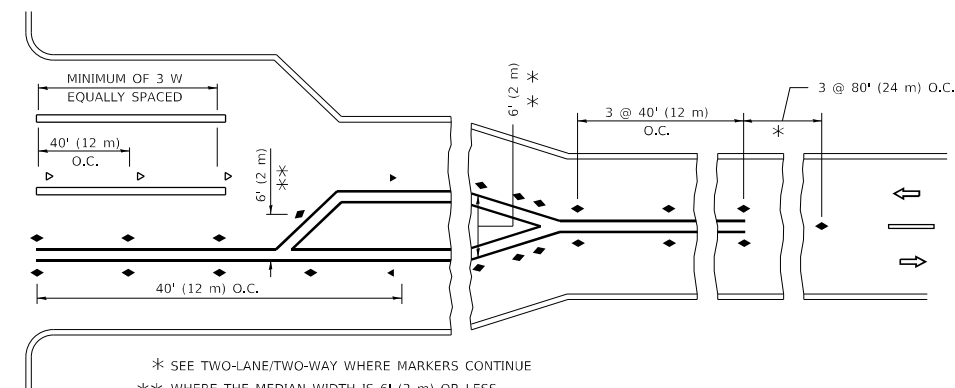
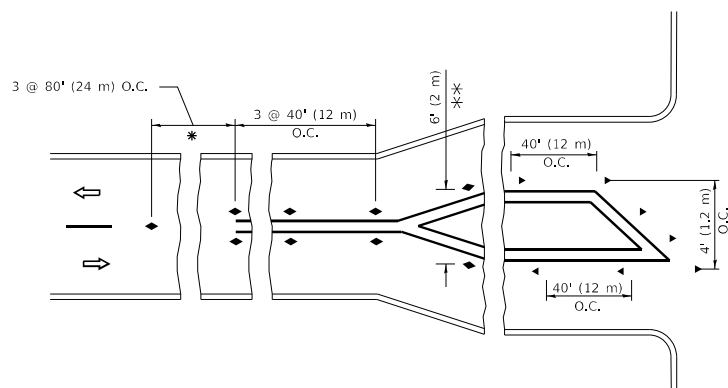
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

**DESIGN NOTES**

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

**TURN LANES**

All dimensions are in inches (millimeters) unless otherwise shown.

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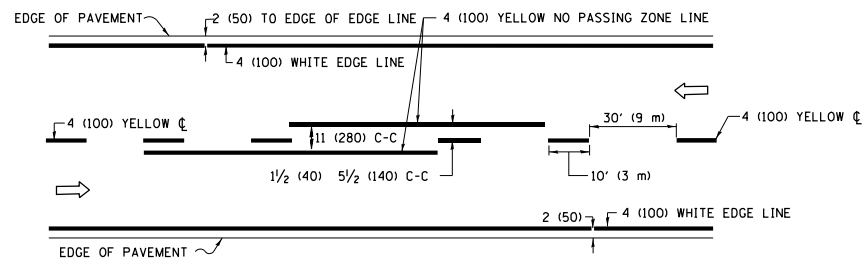
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

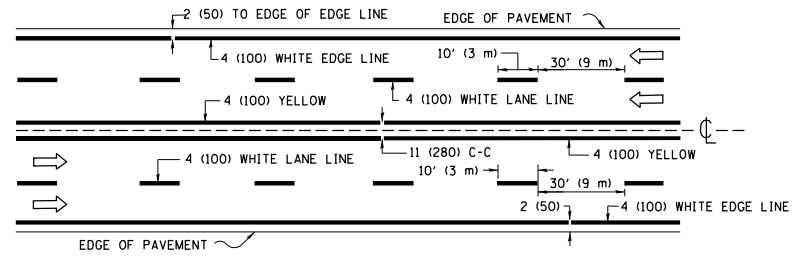
**TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

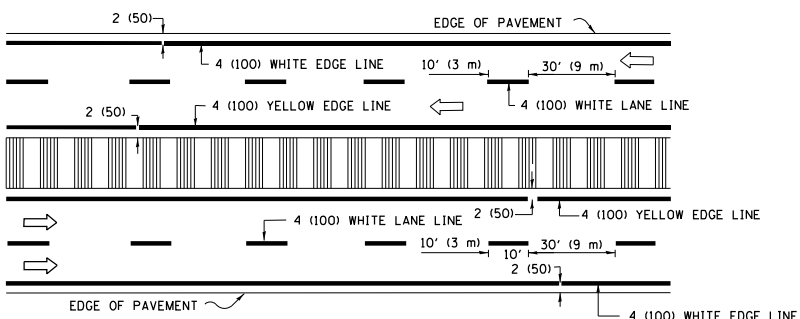
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11		CONTRACT NO. 62R88		
		ILLINOIS	FED. AID PROJECT	



**2-LANE ROADWAY**

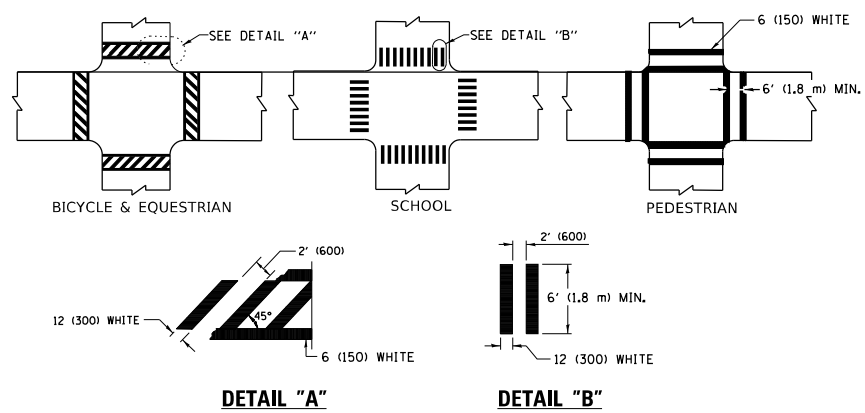


**MULTI-LANE UNDIVIDED**



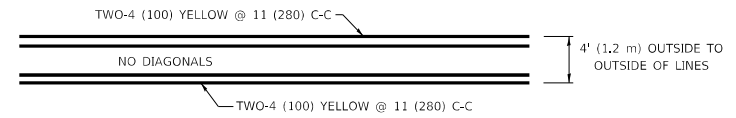
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

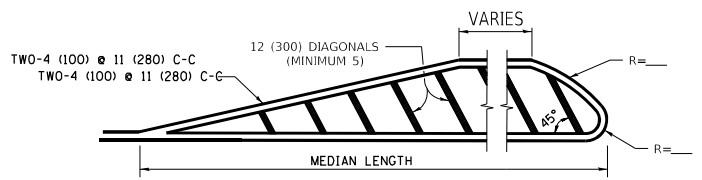


**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



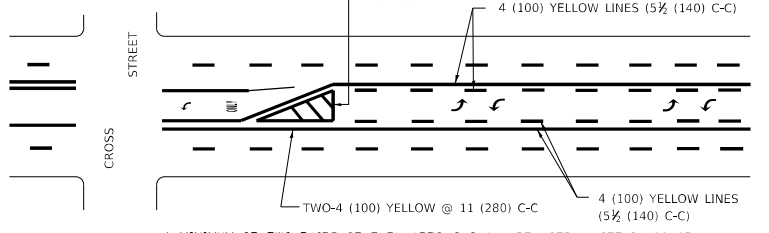
**4' (1.2 m) WIDE MEDIANS ONLY**



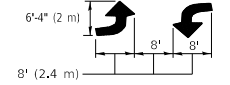
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

**MEDIANS OVER 4' (1.2 m) WIDE**

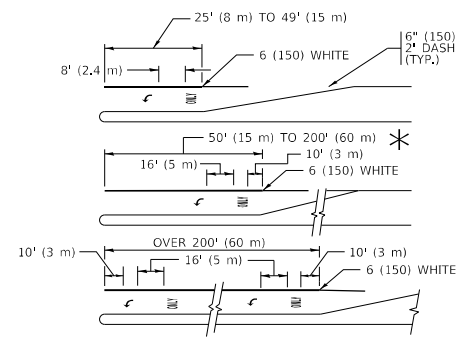


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

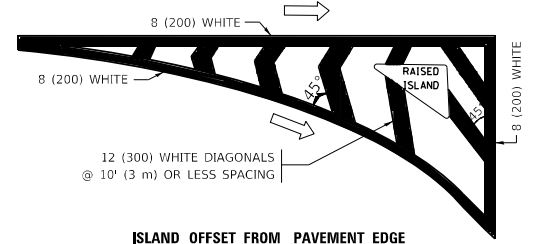


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

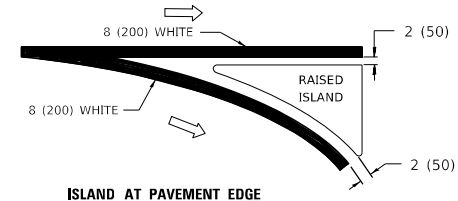
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

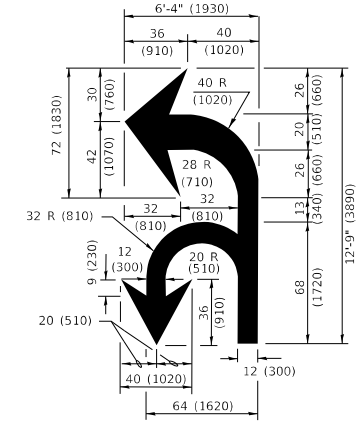


**ISLAND OFFSET FROM PAVEMENT EDGE**

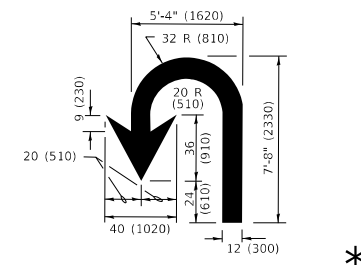


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES "RR" IS 8' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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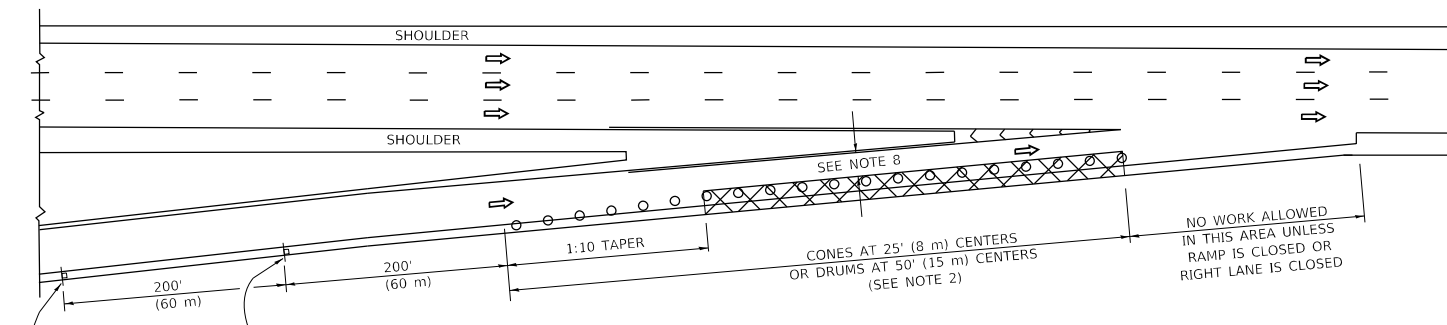
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

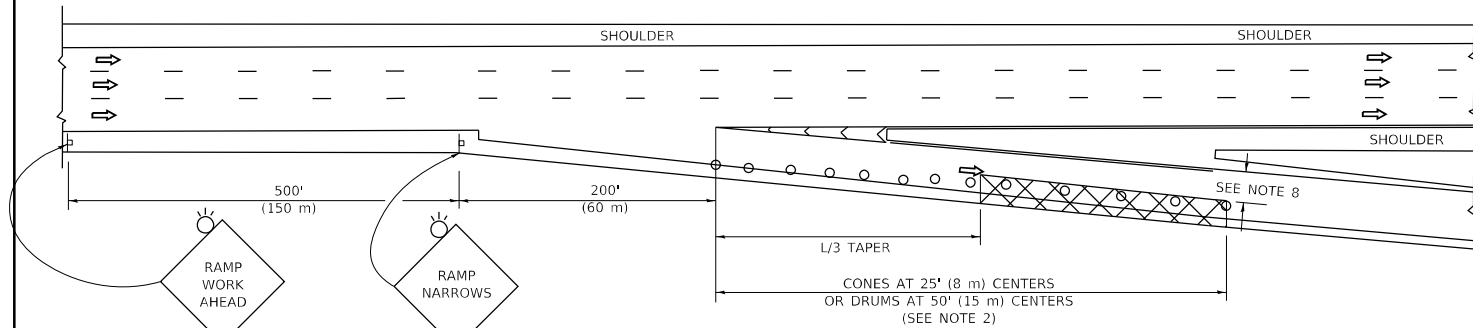
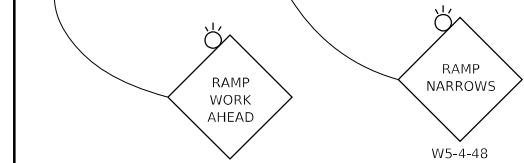
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-13		CONTRACT NO. 62R88		
ILLINOIS		FED. AID PROJECT		

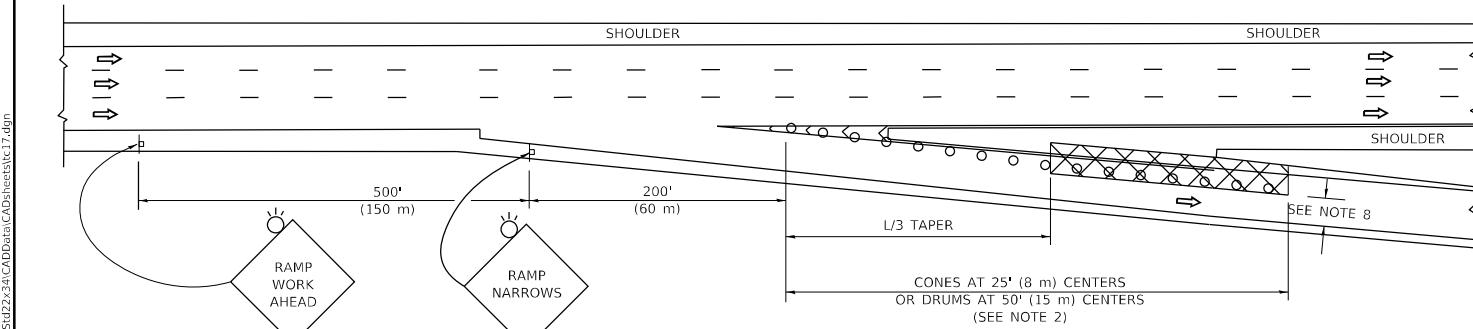
**PARTIAL RAMP CLOSURE DETAILS**



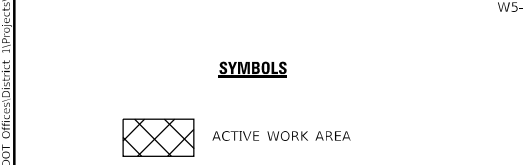
**TYPICAL ENTRANCE RAMP**



**TYPICAL EXIT RAMP**



**TYPICAL EXIT RAMP**



**SYMBOLS**

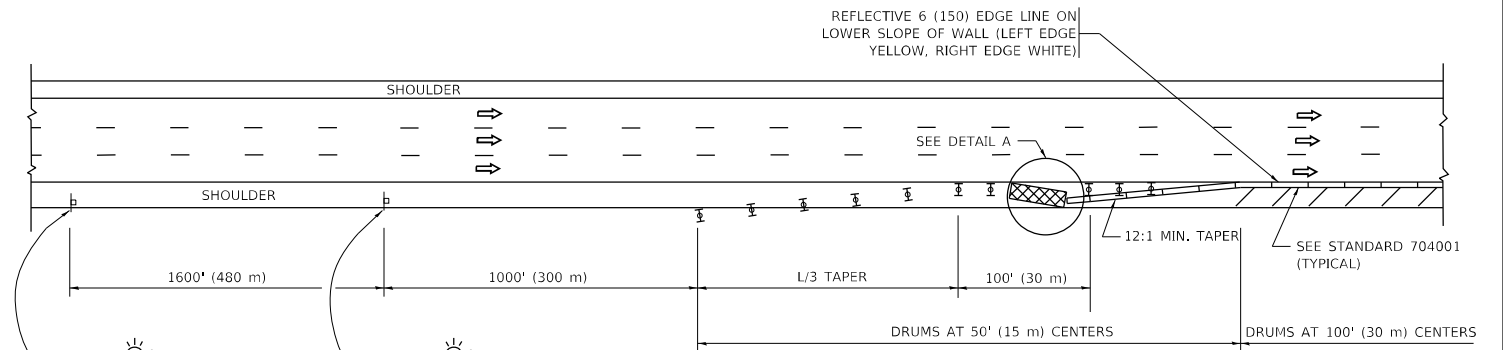
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

**GENERAL NOTES:**

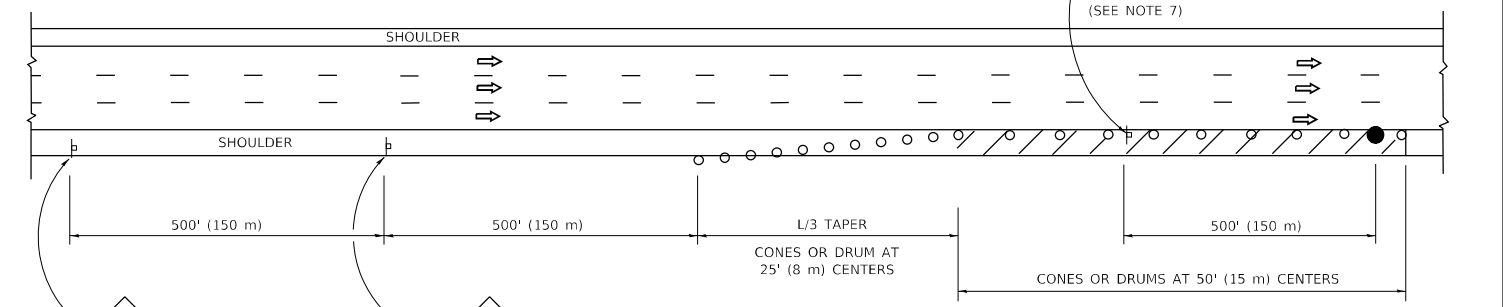
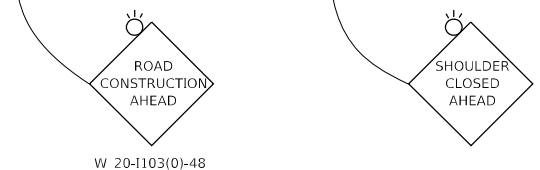
1. THE "L" DISTANCE EQUALS:  

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

**SHOULDER CLOSURE DETAILS**



**PERMANENT SHOULDER CLOSURE**



**DAYTIME SHOULDER CLOSURE**



THIS DETAIL IS USED WHERE:  
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



**DETAIL "A" IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)**

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION  
16' MIN. WIDTH CURVE SECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	DRAWN - D.W.S.	REVISED - S.P.B. 12-09
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - M.D. 06-13
PLOT DATE = 3/4/2019	DATE - 11-96	REVISED - M.D. 01-18

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES</b>			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	56
TC-17		CONTRACT NO. 62R88		
ILLINOIS FED. AID PROJECT				



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 OFFICE: D:\draft...  
 DATE: 3/4/2019

**ROUTE MARKERS**

FOR U.S. ROUTES  
M1-40-2424

FOR ILLINOIS ROUTES  
M1-50-2424

R.R. UNMARKED ROUTES  
SPECIAL 24" x 18" VARIABLE  
4" BLACK LETTERS ON WHITE  
REFLECTIVE BACKGROUND

**ARROWS SIGNS**

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

**CARDINAL DIRECTION & DETOUR SIGNS**

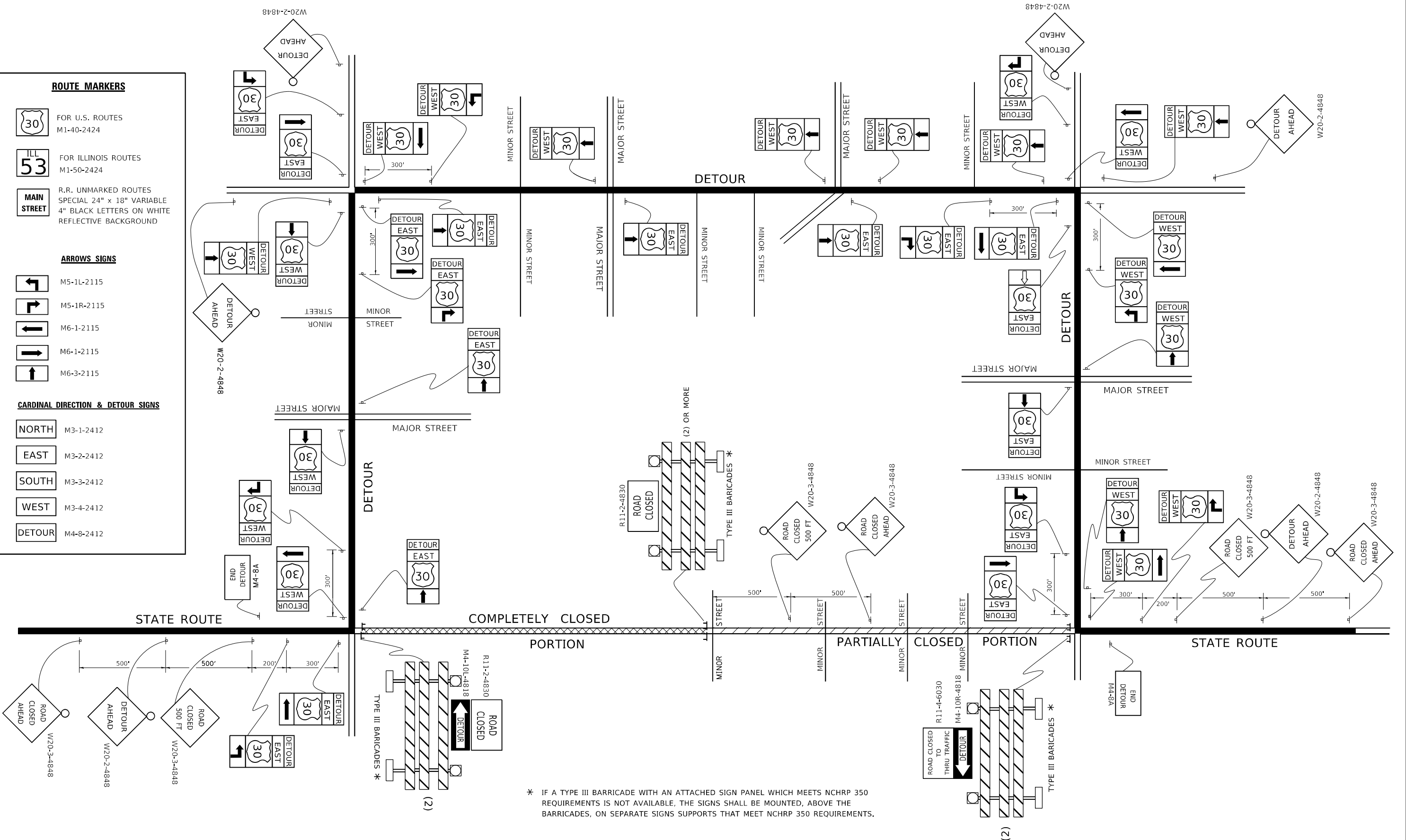
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



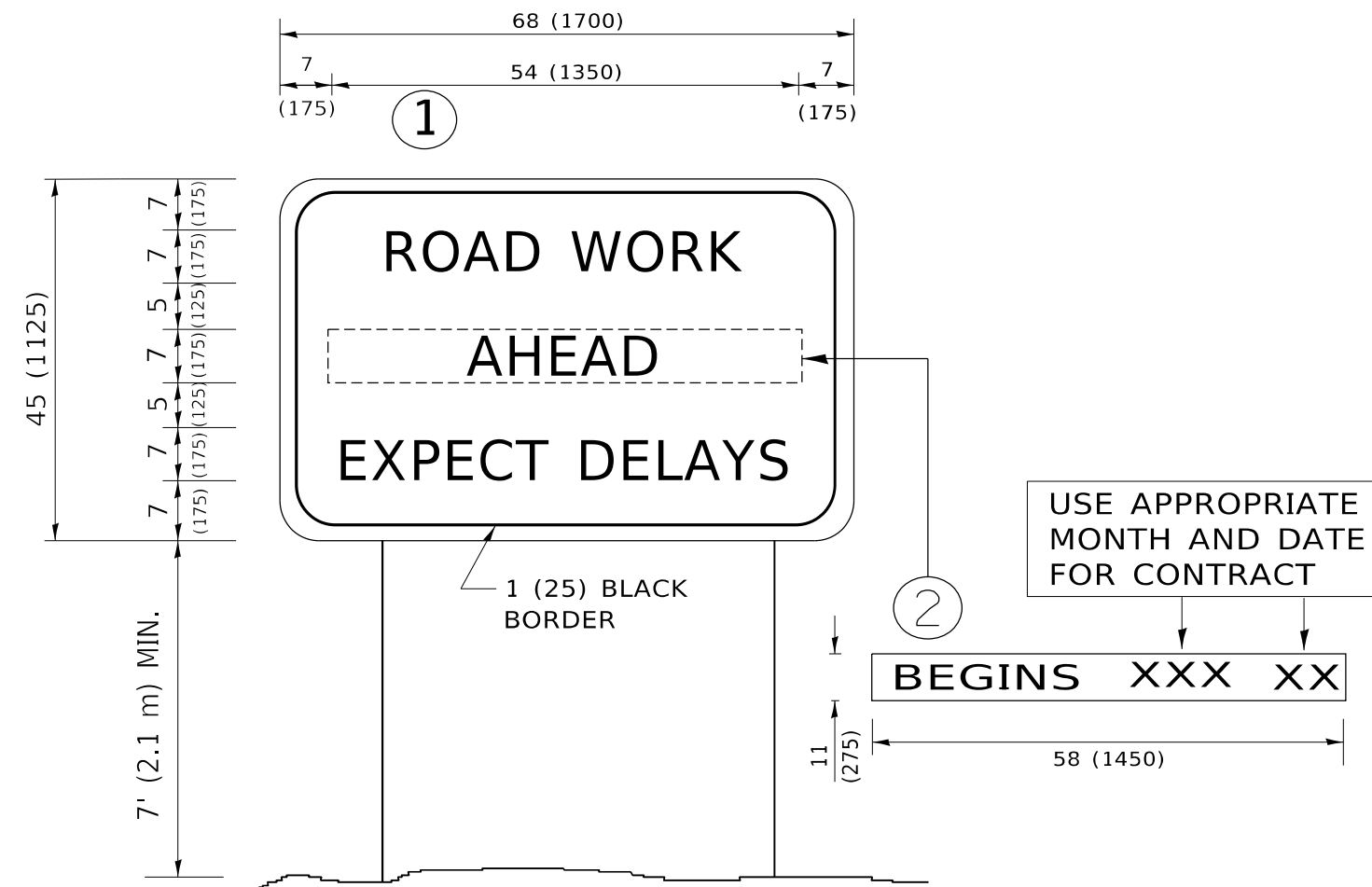
\* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

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	DRAWN -	REVISED - R. BORO 09-14-09
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>DETOUR SIGNING FOR CLOSING STATE HIGHWAYS</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	57
TC-21		CONTRACT NO. 62R88		
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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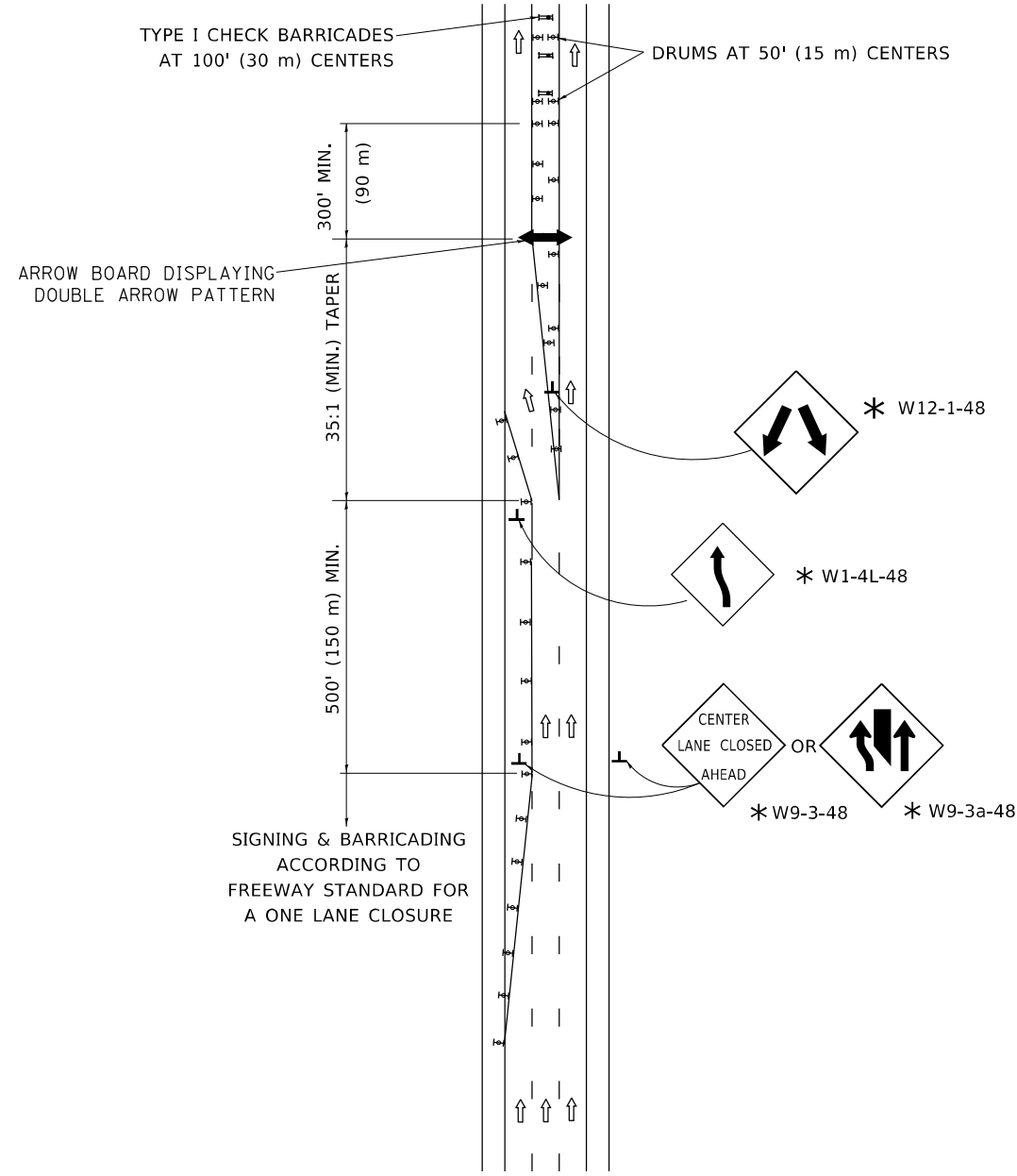
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

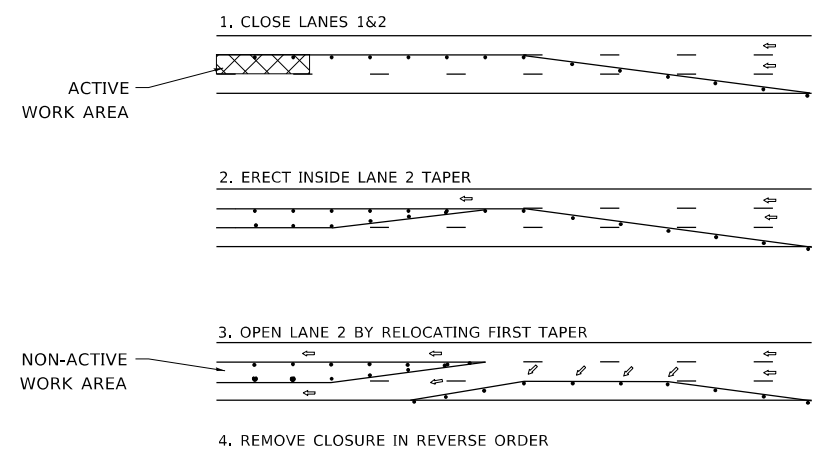
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-22			CONTRACT NO. 62R88	
ILLINOIS FED. AID PROJECT				

# CENTER LANE CLOSURE



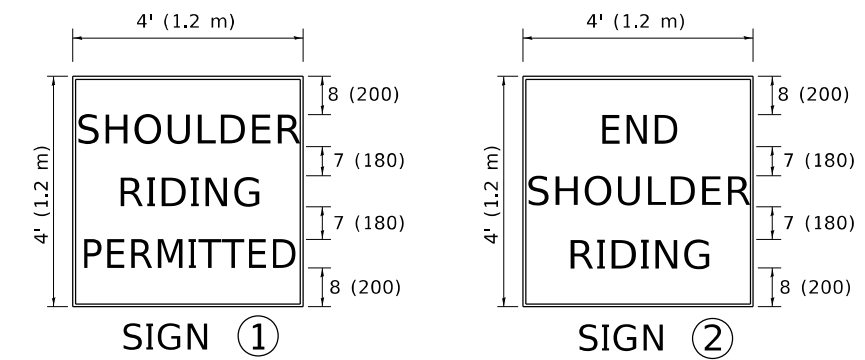
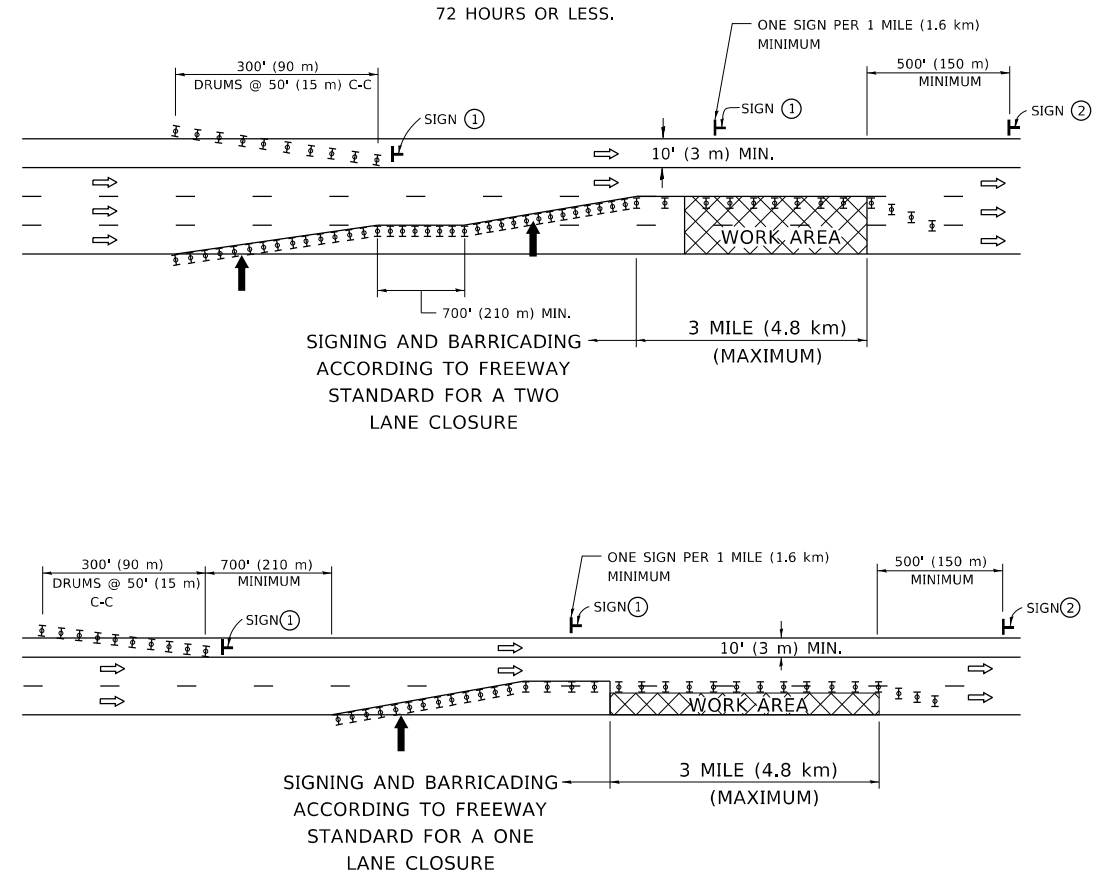
### INSTALLATION SEQUENCE



- NOTES:**
1. DRUMS WITH STEADY BURN LIGHTS SHALL BE USED AT 50' (15 m) CENTERS ON ALL TAPERS AND TANGENTS IN ADVANCE OF WORK AREA.
  2. CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.
  3. CENTER LANE CLOSURE CONFIGURATION IS NOT TO BE USED WITH WORKERS PRESENT.

# SHOULDER LANE

**NOTE:**  
CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.



6 (150) SERIES "C" LEGEND  
BLACK LEGEND  
WHITE REFLECT. BACKGROUND  
1 (25) BORDER

- SYMBOLS**
- ↑ DIRECTION OF TRAFFIC
  - ➡ ARROWBOARD
  - ▣ ACTIVE WORK AREA
  - ⊥ SIGN ON PORTABLE OR PERMANENT SUPPORT \*
  - ⊥ TYPE II BARRICADE, OR DRUM WITH MONO-DIRECTIONAL STEADY BURN LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

\* ALL SIGNS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).

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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY  
CENTER LANE CLOSURE SHOULDER LANE**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	FAI 55 22 BJ	COOK	59	59
<b>TC-25</b>			CONTRACT NO. 62R88	
ILLINOIS FED. AID PROJECT				