

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 B1	COOK	53	1
		ILLINOIS	CONTRACT NO. 62T49	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT LOCATED IN THE CITY OF CHICAGO

PROPOSED HIGHWAY PLANS

FAU 2911 – MICHIGAN AVENUE OVER I-55
SECTION FAU 2911 22 BJ
PROJECT NO: HBFJ-RG6J(998)
BRIDGE DECK OVERLAY AND JOINT REPAIR
COOK COUNTY

TRAFFIC DATA

MICHIGAN AVE.
ADT: 7,500
POSTED SPEED: 30 MPH
DESIGN DESIGNATION: MINOR ARTERIAL

I-55
ADT: 129,000
POSTED SPEED: 45 MPH
DESIGN DESIGNATION: INTERSTATE

APPLY TO SHEETS:
1-25, 40-53

APPLY TO SHEETS:
26-39



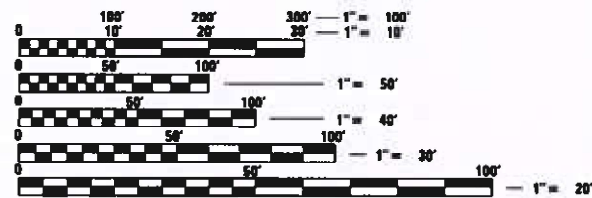
Hugh E. Regan

HUGH E. REGAN
HNTB
NO.: 062072743
DATE SIGNED: 4/26/2024
EXP. DATE: 11/30/2025



Luke C. Martin

LUKE C. MARTIN
GKE, LLC
NO.: 081007429
DATE SIGNED: 4/26/2024
EXP. DATE: 11/30/2024



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.

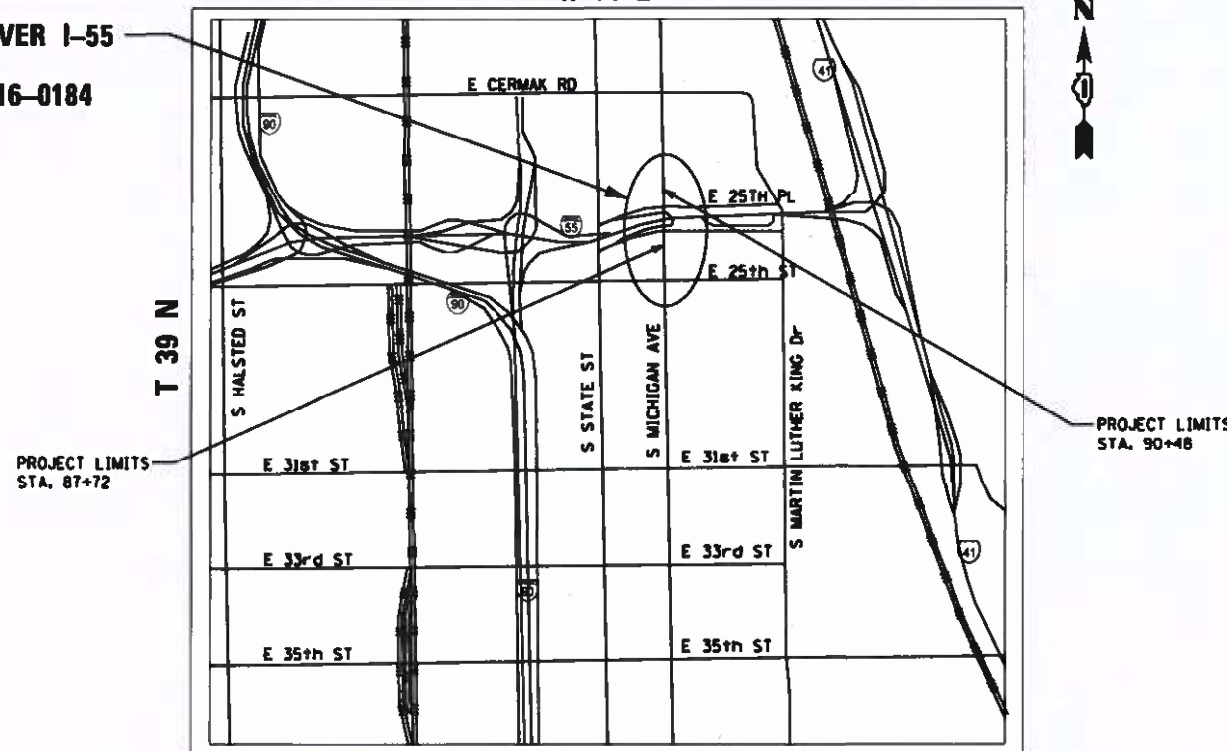
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: PRAVEEN KAINI (847) 705-4237
PROJECT MANAGER: JEAN ALAIN MIDY (847) 221-3056

CONTRACT NO. 62T49

C-91-358-22
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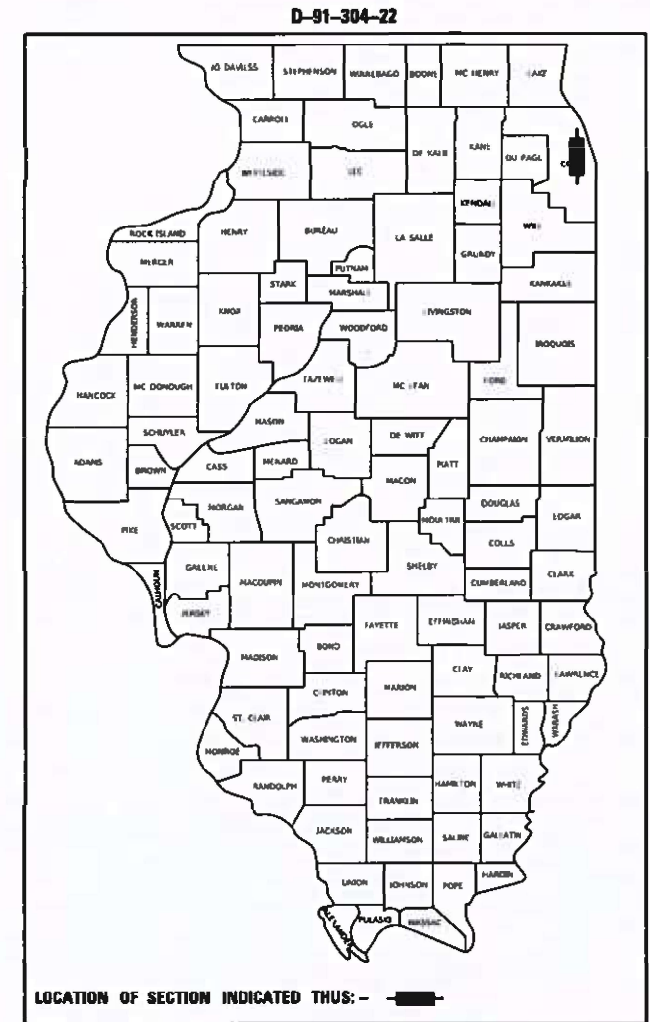
MICHIGAN AVE. OVER I-55
BRIDGE LOCATION
STRUCTURE NO. 016-0184



SOUTH CHICAGO TOWNSHIP

PROJECT LENGTH

GROSS LENGTH = 276 FT. = 0.05 MILE
NET LENGTH = 276 FT. = 0.05 MILE



LOCATION OF SECTION INDICATED THIS: - [Symbol] -



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 7th 2024
Jane...
REGIONAL ENGINEER

June 28, 2024 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

June 28, 2024 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 OR 811 TO DETERMINE WHICH UTILITIES ARE WITHIN THE AREA. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AS REQUIRED.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJACENT RESIDENTIAL AREAS.
- THE ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS WERE DEVELOPED THROUGH AERIAL PHOTOGRAPHY AND IS NOT THE RESULT OF A GROUND SURVEY. THEREFORE, THE ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS ARE FOR REFERENCE PURPOSES ONLY. THE RELATIVE ACCURACY OF THE INFORMATION IS UNKNOWN AND CANNOT BE GUARANTEED. THE CONTRACTOR MAY BE REQUIRED TO ADJUST LAYOUT TO MATCH ACTUAL FIELD CONDITIONS AND THE INTENT OF THE PLANS.
- THE CONTRACTOR SHALL SWEEP AND CLEAN THE PAVEMENT SURFACE, PER ARTICLE 107.15 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD (FOR FUTURE REFERENCES), ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY IN ORDER TO PREVENT SETTLEMENT, DISPLACEMENT, OR DAMAGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES AS SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
- THE CONTRACTOR SHALL TAKE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- COORDINATION WITH IDOT BUREAU OF TRAFFIC EXPRESSWAYS WILL BE REQUIRED FOR TRAFFIC CONTROL ON SB I-55. IN THE SB DIRECTION, FULL RAMP CLOSURES FROM LAKE SHORE DRIVE TO I-55 IS PERMITTED AND WILL BE PER 2-LANE CLOSURE ALLOWABLE HOURS.
- TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS ON IDOT ARTERIAL ROADS, THE ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN AT Patrice.Harris@illinois.gov.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT Kalpana.Kannan-Hosadurga@illinois.gov A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR, CARLOS MUNOZ, AT Carlos.Munoz@illinois.gov A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK
- THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION 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 ONE.
- THE CTA REQUIRES THAT NO TWO CONSECUTIVE BUS STOPS IN ONE DIRECTION OF TRAVEL ARE ELIMINATED AT THE SAME TIME. THE CONTRACTOR SHALL SUBSTAGE WORK AS NECESSARY OR PROVIDE TEMPORARY ADA COMPLIANT PEDESTRIAN ACCESS THROUGH THE WORK ZONE TO AN EXISTING OR TEMPORARILY RELOCATED BUS STOP.
- CTA TRAFFIC PLANNING MUST BE NOTIFIED AT LEAST 2 WEEKS IN ADVANCE OF THE TIME CONSTRUCTION WILL COMMENCE, AND IN ADVANCE OF ANY IMPACT TO BUS STOPS OR BUS OPERATIONS. TRAFFIC.PLANNING@TRANSITCHICAGO.COM.
- IF CTA BUS STOP SIGNS ARE TO BE IMPACTED BY CONSTRUCTION, SIGNS & POLES ARE TO BE REMOVED/REINSTALLED BY CTA FORCES.

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS, STANDARD DRAWINGS
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40 - 53	D1 HIGHWAY STANDARDS

IDOT STANDARD DRAWINGS

STANDARD NUMBERS	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF ROAD OPERATIONS, MULTILANE, 15' TO (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER

DISTRICT 1 STANDARD DRAWINGS

STANDARD NUMBERS	DESCRIPTION
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BM-20	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE
TC-08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-09	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROAD, INTERSECTIONS, AND DRIVEWAYS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
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-24	CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS
TC-26	DRIVEWAY ENTRANCE SIGNING

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PLOT DATE = 5/6/2024	DATE - 04/26/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
INDEX OF SHEETS AND STANDARD DRAWINGS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	2
			CONTRACT NO. 62T49	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED/20% STATE	
				BRIDGE REHABILITATION	
				0059	URBAN
				SN. 016-0184	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	186	186	
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	35	35	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	414	414	
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	240.0	240.0	
44000600	SIDEWALK REMOVAL	SQ FT	240	240	
44201301	CLASS C PATCHES, TYPE I, 6 INCH	SQ YD	54	54	
44213200	SAW CUTS	FOOT	272	272	
50102400	CONCRETE REMOVAL	CU YD	21.9	21.9	
50157300	PROTECTIVE SHIELD	SQ YD	1,888	1,888	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	23.7	23.7	
50300260	BRIDGE DECK GROOVING	SQ YD	1,510	1,510	
50300300	PROTECTIVE COAT	SQ YD	1,543	1,543	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,830	2,830	
50800515	BAR SPLICERS	EACH	44	44	

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PLOT DATE = 5/6/2024	DATE - 04/26/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	3
			CONTRACT NO. 62T49	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED/20% STATE	
				BRIDGE REHABILITATION	
				0059	URBAN
				SN. 016-0184	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	161	161	
58700300	CONCRETE SEALER	SQ FT	237	237	
67100100	MOBILIZATION	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	182	182	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,760	1,760	
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	39	39	
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	4,299	4,299	
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	112	112	
70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	110	110	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	450.0	450.0	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	450.0	450.0	
70600241	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	4	
70600341	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	4	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,560	1,560	

* SPECIALTY ITEM

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PLOT DATE = 5/6/2024	DATE - 04/26/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	4
			CONTRACT NO. 62T49	
			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED/20% STATE	
				BRIDGE REHABILITATION	
				0059	URBAN
				SN. 016-0184	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	670	670	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	140	140	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	130	130	
* 78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4"	FOOT	110	110	
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	77	77	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	428	428	
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	158	158	
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	1,450	1,450	
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	597	597	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,331	1,331	
K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1	1	
X0322215	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	4	4	
X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	125	125	
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	120	120	

*** SPECIALTY ITEM**

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PLOT DATE = 5/6/2024	CHECKED - AMB	REVISED -
	DATE - 04/26/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T49	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED/20% STATE	
				BRIDGE REHABILITATION	
				0059	URBAN
				SN. 016-0184	
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1	
Z0006012	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	1,510	1,510	
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1,510	1,510	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	237	237	
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ YD	1	1	
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	4	4	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	
X6640638	TEMPORARY CONSTRUCTION FENCE	FOOT	292	292	
X0325488	TRAFFIC SIGNAL TIMING OPTIMIZATION	L SUM	1	1	

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PLOT DATE = 5/6/2024	DATE = 04/26/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T49	

PAVEMENT AND REMOVAL SCHEDULE							
LOCATION				HOT-MIX ASPHALT SURFACE COURSE, IL- 9.5, MIX "D", N70	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	CLASS C PATCHES, TYPE II, 6 INCH	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET
				40604062 (TON)	40600985 (SQ YD)	44201305 (SQ YD)	X4400503 (FOOT)
FROM	OFFSET	TO	OFFSET				
87+72.00	S APPROACH	88+02.00	S APPROACH	17.36	206.67		
90+18.00	N APPROACH	90+48.00	N APPROACH	17.36	206.67		
87+72.00	LT	88+02.00	LT			13.33	
87+72.00	RT	88+02.00	RT			13.33	
90+18.00	RT	90+48.00	RT			13.33	
90+18.00	RT	90+48.00	RT			13.33	
87+69.00	LT	87+99.00	LT				30
87+75.00	RT	88+05.00	RT				30
90+15.00	LT	90+45.00	LT				30
90+21.00	RT	90+51.00	RT				30
TOTAL				34.72	413.34	53.32	120
USE				35	414	54	120

PERMANENT PAVEMENT MARKING SCHEDULE										
LOCATION	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	GROOVING FOR RECESSED PAVEMENT MARKING 5"	GROOVING FOR RECESSED PAVEMENT MARKING 7"
	78000200 (FOOT)	78000400 (FOOT)	78000600 (FOOT)	78000650 (FOOT)	78004620 (FOOT)	78009000 (FOOT)	78009004 (FOOT)	78009006 (FOOT)	78011025 (FOOT)	78011035 (FOOT)
SHEET 10	1560	670	140	130	110	77	428	158	1450	597
TOTAL	1560	670	140	130	110	77	428	158	1450	597

TEMPORARY PAVEMENT MARKING SCHEDULE				
LOCATION	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE
	70307100 (SQ FT)	70307120 (FOOT)	70307130 (FOOT)	70307210 (FOOT)
STAGE 1	39	2023	112	55
STAGE 2		2276		55
TOTAL	39	4299	112	110

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USER NAME = Michael.Czerpak
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 PLOT DATE = 4/26/2024

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 DRAWN - MAC
 CHECKED - AMB
 DATE - 04/26/2024

REVISED -
 REVISED -
 REVISED -
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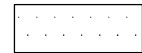


**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MICHIGAN AVE OVER I-55
 SCHEDULES OF QUANTITIES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	7
CONTRACT NO. 62T49			ILLINOIS FED. AID PROJECT	

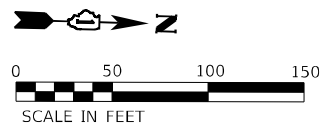
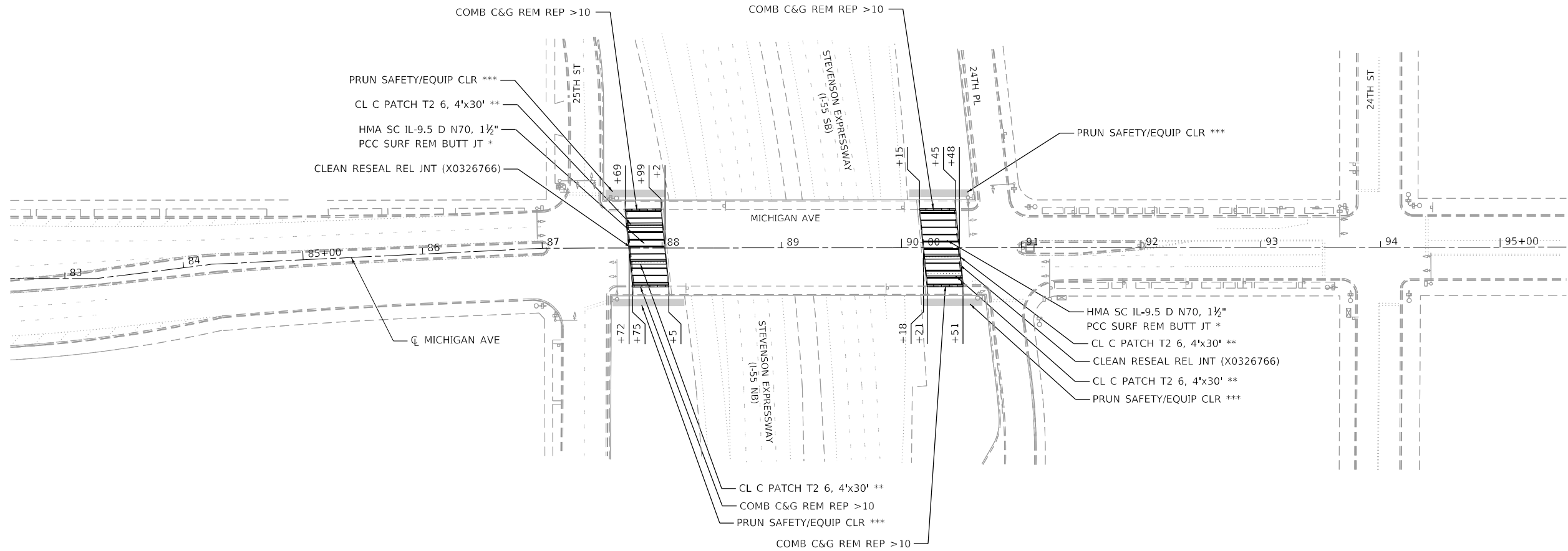
REMOVAL AND PROPOSED LEGEND

-  HMA SC IL-9.5 D N70, 1½" (40604062)
PCC SURF REM BUTT JT (40600985)
-  CL C PATCH T2 6 (44201305)
-  COMB C&G REM REP >10 (X4400503)
-  PRUN SAFETY/EQUIP CLR (K1004595)

- * SEE ROADWAY DETAILS FOR PAVEMENT OVERLAY AT BRIDGE APPROACH PAVEMENT
- ** CONTRACTOR TO VERIFY PATCHING LOCATIONS AS DIRECTED BY ENGINEER
- *** IDOT DISTRICT 1 STANDARD BM-20

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ NODES	QMP
HMA OVERLAY & BUTT JOINT		
HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70, 1½"	4% @ 70 GYR	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)		

- NOTES**
- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/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 SPECIFICATIONS.



MODEL SHEET
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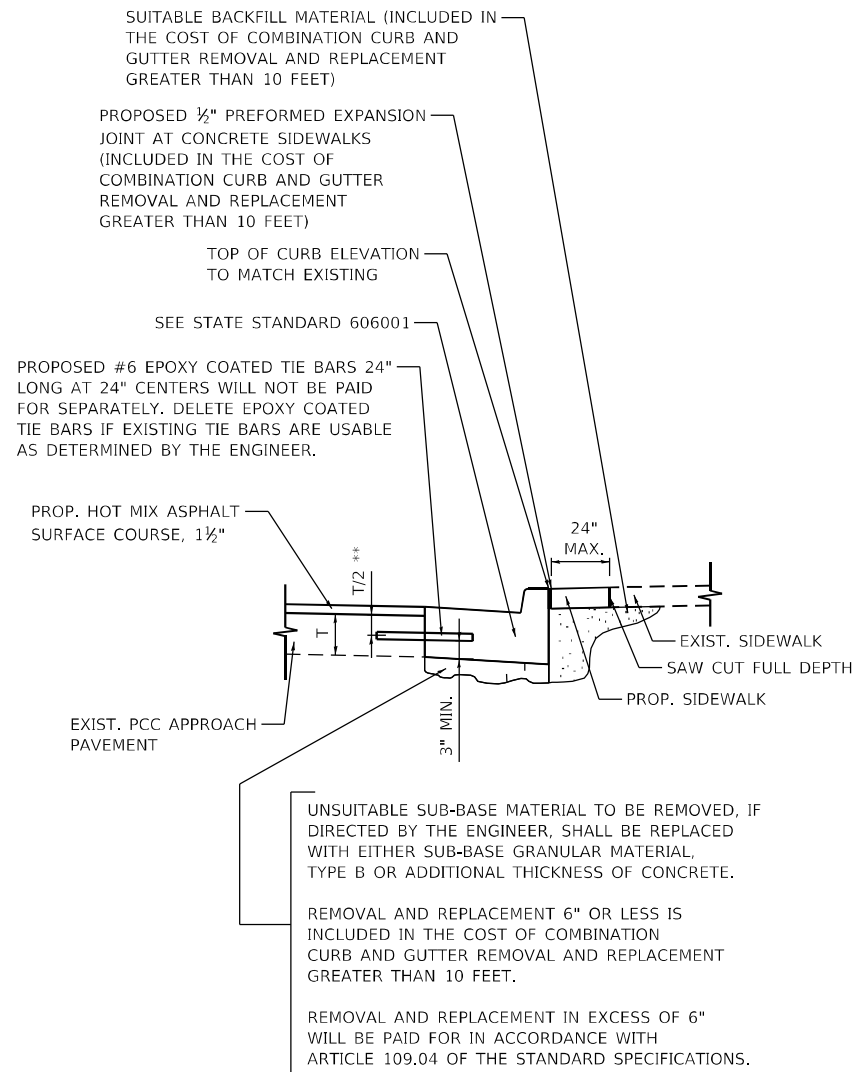
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PLOT DATE = 4/26/2024	DATE - 04/26/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MICHIGAN AVE OVER I-55
REMOVAL AND PROPOSED PLAN**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 87+72 TO STA. 90+48

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	8
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				

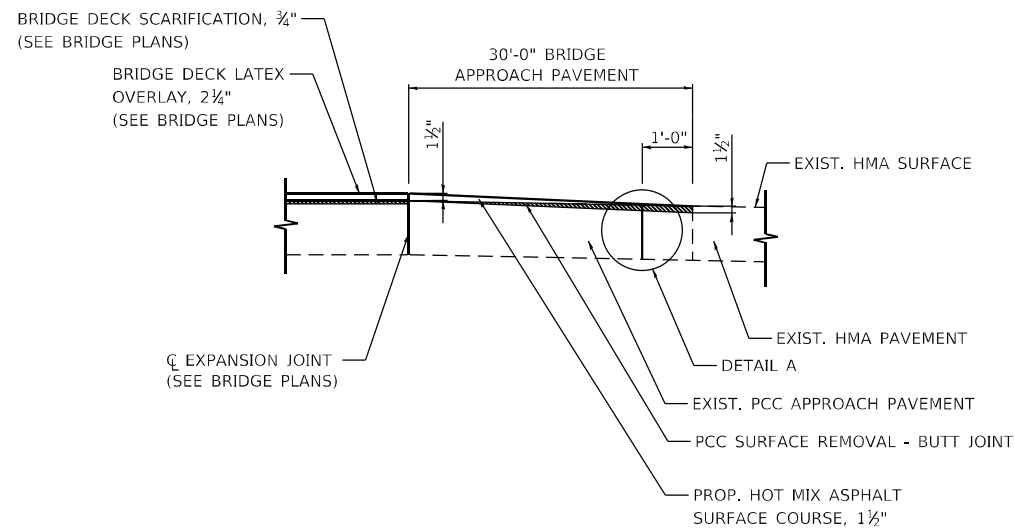


COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET

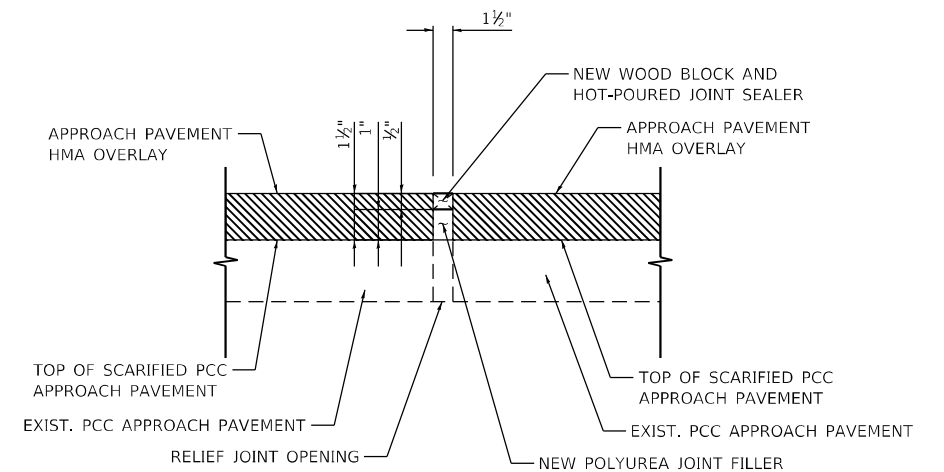
** 3" MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

DETAIL NOTES

1. COMB. CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
2. LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET.
3. THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
4. SIDEWALK SHALL BE REPLACED IN KIND AND AS DIRECTED BY THE ENGINEER.



PAVEMENT OVERLAY AT BRIDGE APPROACH PAVEMENT



DETAIL A CLEAN AND RESEAL RELIEF JOINT

DETAIL NOTES

1. SCARIFY APPROACH PAVEMENT AND RELIEF JOINT
2. PLACE POLYUREA JOINT FILLER AND WOOD BLOCK IN JOINT
3. PLACE HMA OVERLAY
4. AFTER HMA OVERLAY HAS COOLED, REMOVE WOOD BLOCK AND PLACE HOT-POURED JOINT SEALER

MODEL SHEET
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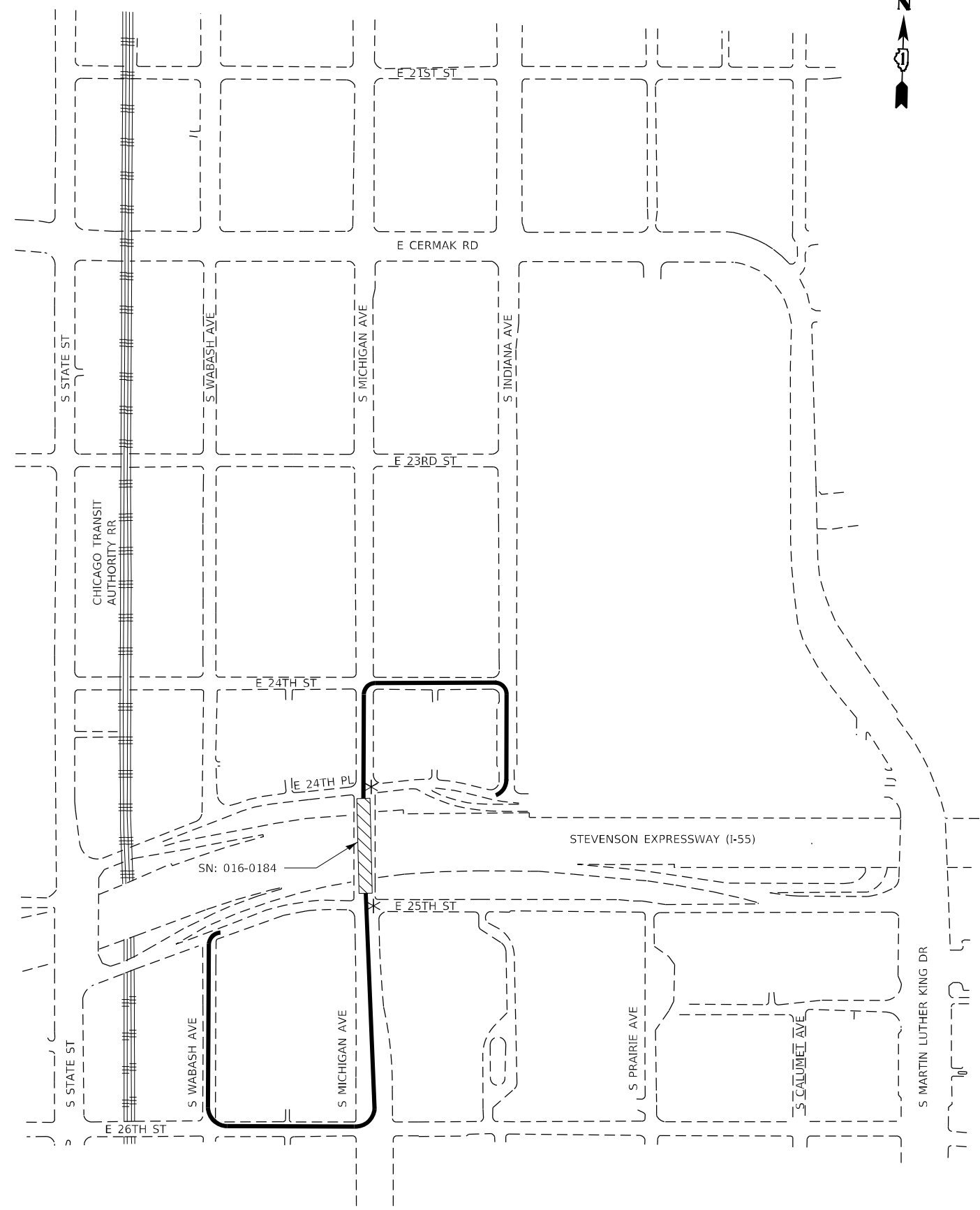
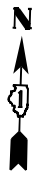


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PLOT DATE = 4/26/2024	DATE - 04/26/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MICHIGAN AVE OVER I-55 ROADWAY DETAILS			
SCALE: NTS	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	9
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



ROUTE OVERVIEW

GENERAL NOTES

1. DETOUR SIGN INSTALLATION CONTRACTOR SHALL CALL JULIE FOR UTILITY LOCATES. CONTACT JULIE AT (800) 892-0123.
2. DETOUR SIGNAGE SHALL BE CONSIDERED INCLUDED IN THE COST FOR TEMPORARY TRAFFIC CONTROL AND PROTECTION (SPECIAL) EXCEPT AS OTHERWISE NOTED.
3. SEE TC-21 FOR TYPICAL SIGN SPACING.
4. THE CONTRACTOR SHALL NOT OBSTRUCT EXISTING SIGNAGE WITH THE PLACEMENT OF THE DETOUR SIGNAGE.
5. THE CONTRACTOR SHALL DEVELOP AND MAINTAIN APPROPRIATE SIGNAL TIMINGS FOR THE FOLLOWING INTERSECTIONS, OR AS DIRECTED BY THE ENGINEER:
 - A) MICHIGAN AVE/ 24TH PL
 - B) MICHIGAN AVE/ 25TH ST

LEGEND

- ① 25TH ST.
- ② 24TH PLACE
- ③ M4-9LX-3024
- ④ M4-9RX-3024
- ⑤ M4-9L-3024
- ⑥ M4-9R-3024
- ⑦ M4-9S-3024
- ⑧ M4-8A-3024
- ⑨ W20-2-4848
- ⑩ R3-2-4848

DETOUR ROUTE

CONSTRUCTION ZONE

SIGNALIZED INTERSECTION (TEMPORARY TRAFFIC SIGNAL TIMING REQUIRED)

MODEL SHEET
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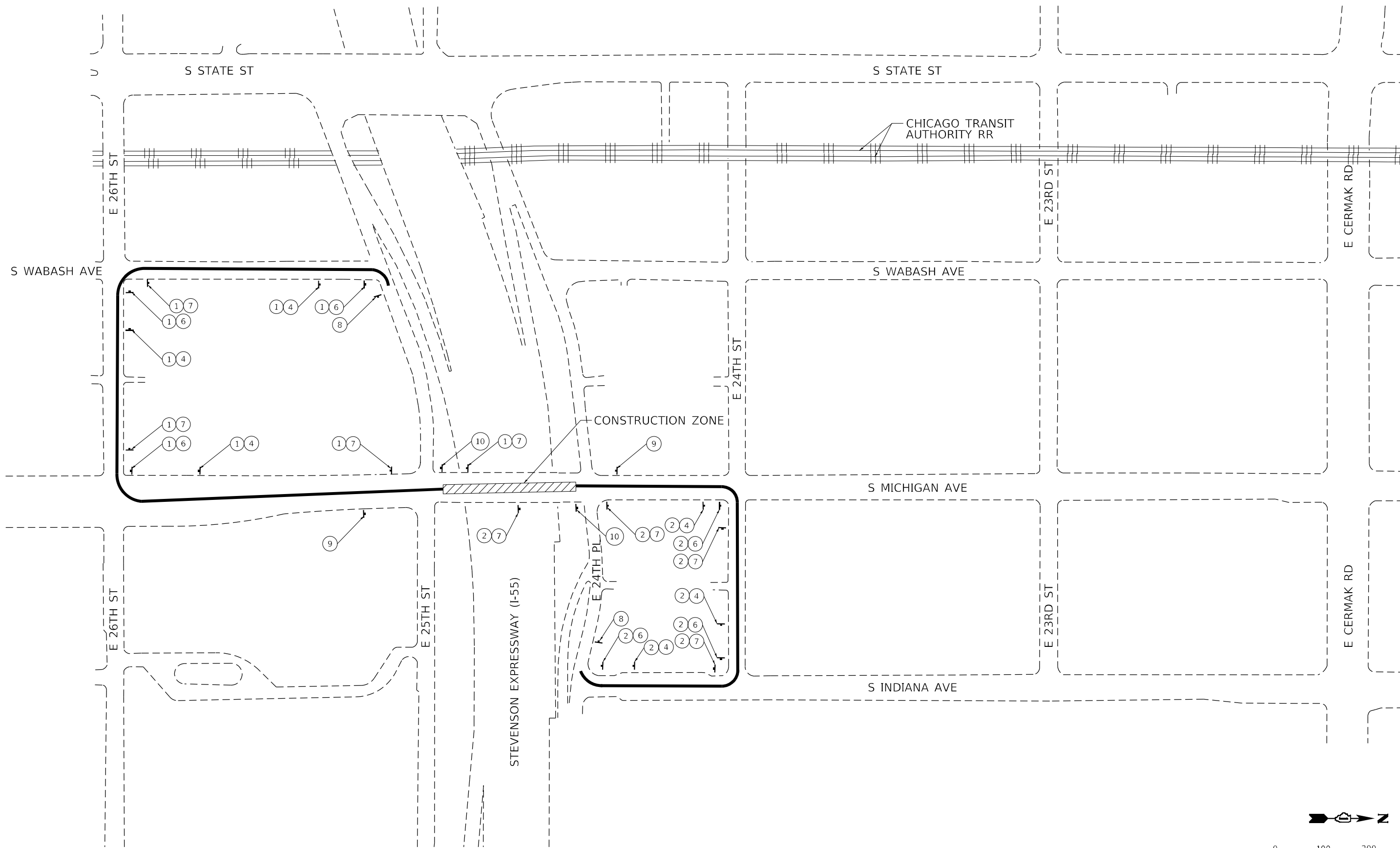
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MICHIGAN AVE OVER I-55
DETOUR ROUTE OVERVIEW**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	11
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 62T49



MODEL SHEET
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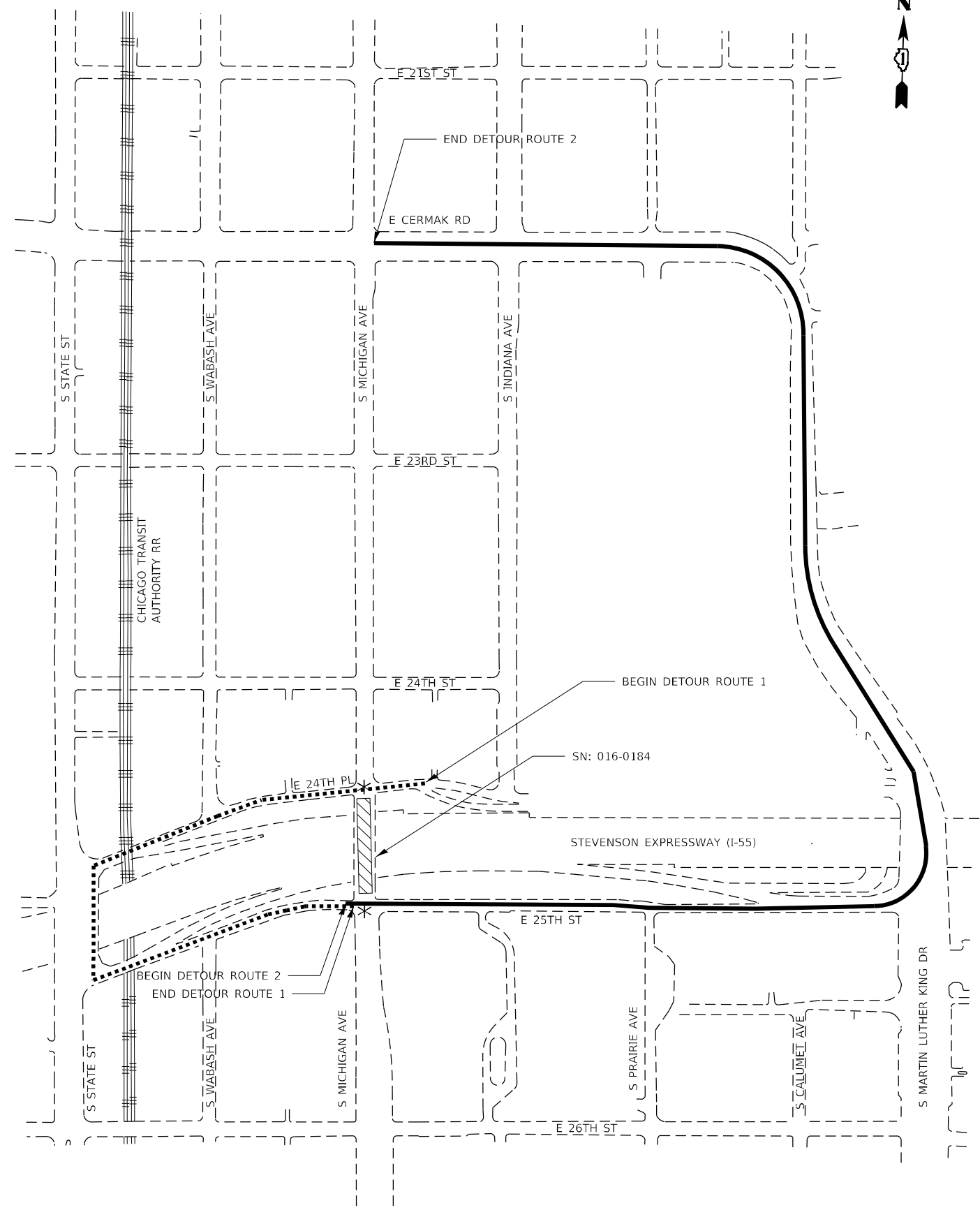
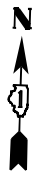
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PLOT DATE = 4/26/2024	DATE - 04/26/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MICHIGAN AVE OVER I-55
DETOUR ROUTE

SCALE: 1" = 100' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	12
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



ROUTE OVERVIEW

GENERAL NOTES

1. DETOUR SIGN INSTALLATION CONTRACTOR SHALL CALL JULIE FOR UTILITY LOCATES. CONTACT JULIE AT (800) 892-0123.
2. DETOUR SIGNAGE SHALL BE CONSIDERED INCLUDED IN THE COST FOR TEMPORARY TRAFFIC CONTROL AND PROTECTION (SPECIAL) EXCEPT AS OTHERWISE NOTED.
3. SEE TC-21 FOR TYPICAL SIGN SPACING.
4. THE CONTRACTOR SHALL NOT OBSTRUCT EXISTING SIGNAGE WITH THE PLACEMENT OF THE DETOUR SIGNAGE.
5. THE CONTRACTOR SHALL DEVELOP AND MAINTAIN APPROPRIATE SIGNAL TIMINGS FOR THE FOLLOWING INTERSECTIONS, OR AS DIRECTED BY THE ENGINEER:
 - A) MICHIGAN AVE/ 24TH PL
 - B) MICHIGAN AVE/ 25TH ST

LEGEND

- | | | | |
|--------------|--------------|--------------|--------------|
| ① M4-8-2412 | DETOUR | ⑩ M6-4-2115 | |
| ② | MICHIGAN AVE | ⑪ M4-4-2412 | TRUCK |
| ③ M3-1-2412 | NORTH | ⑫ M4-8A-2418 | END DETOUR |
| ④ M3-3-2412 | SOUTH | ⑬ W20-2-4848 | DETOUR AHEAD |
| ⑤ M5-1L-2115 | | ⑭ R3-2-4848 | |
| ⑥ M5-1R-2115 | | ⑮ R3-1-4848 | |
| ⑦ M6-1-2115 | | | |
| ⑧ M6-1-2115 | | | |
| ⑨ M6-3-2115 | | | |

- DETOUR ROUTE NO. 1
- DETOUR ROUTE NO. 2
- CONSTRUCTION ZONE
- SIGNALIZED INTERSECTION (TEMPORARY TRAFFIC SIGNAL TIMING REQUIRED) *

MODEL SHEET
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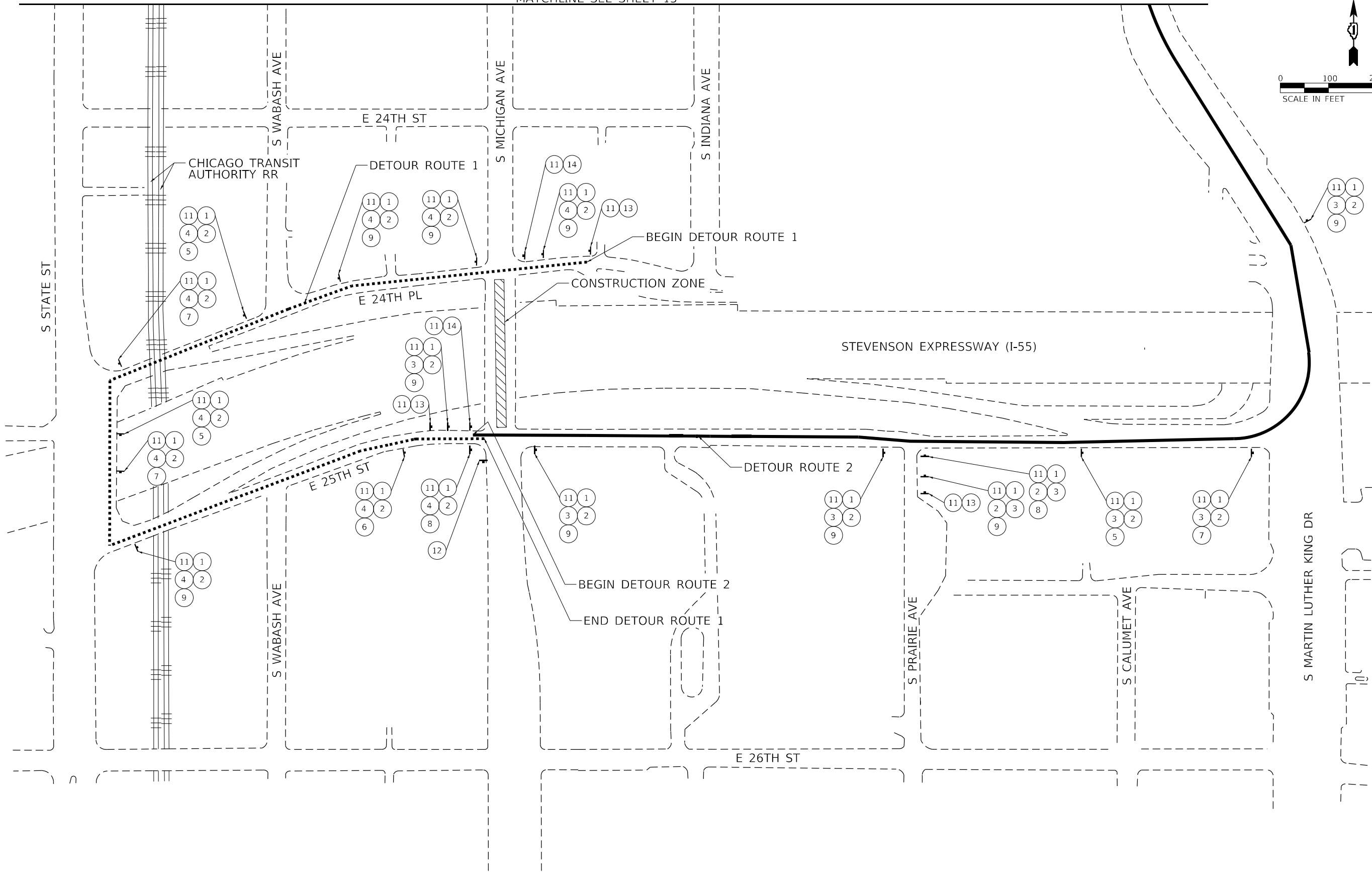
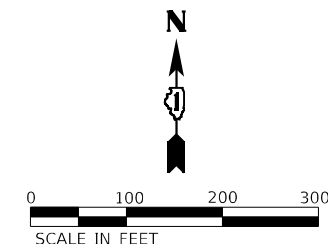
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MICHIGAN AVE OVER I-55
DETOUR ROUTE OVERVIEW - TRUCKS**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	13
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				

MATCHLINE SEE SHEET 15



MODEL SHEET
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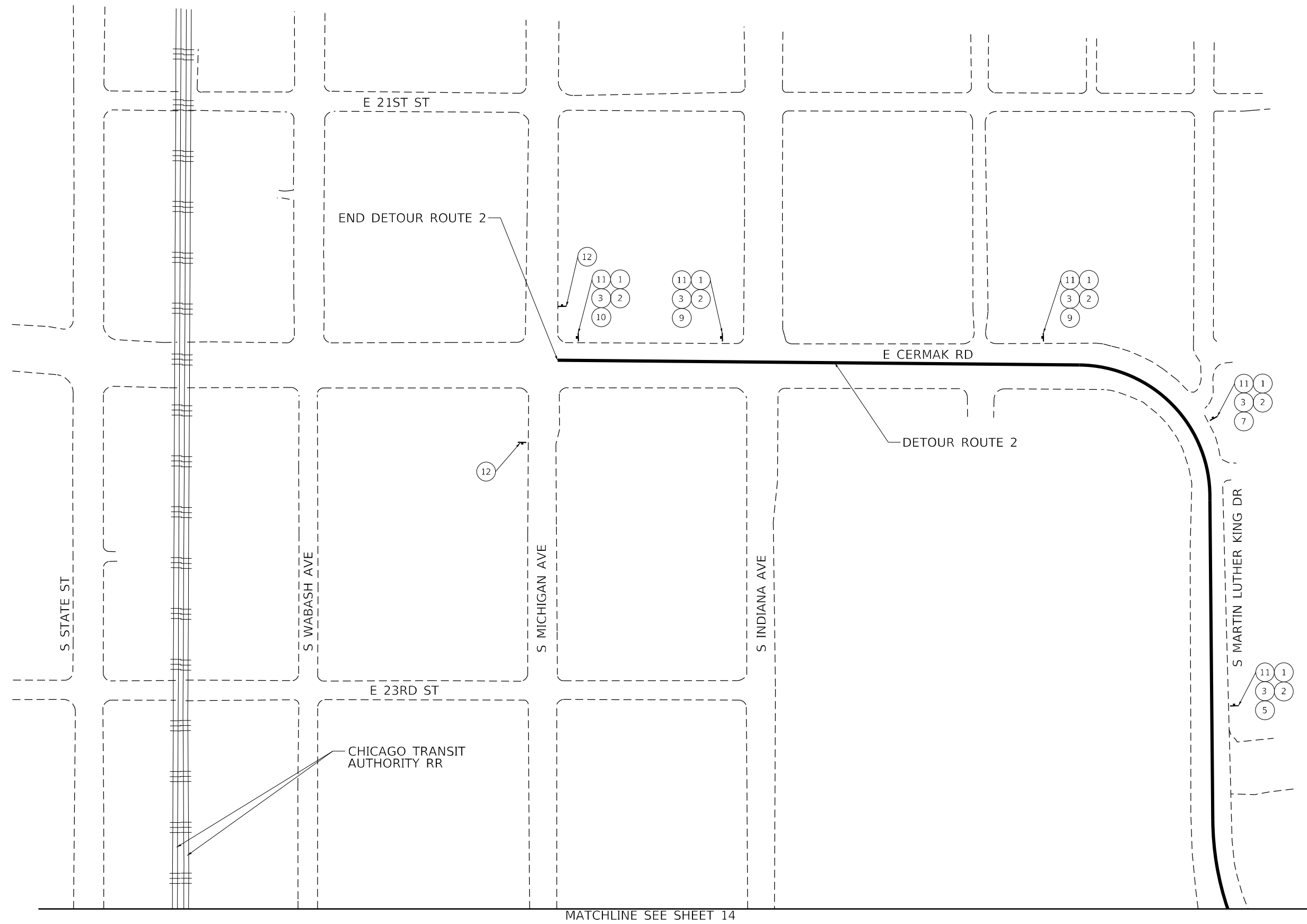
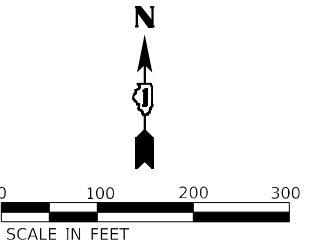
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PLOT DATE = 4/26/2024	DATE - 04/26/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MICHIGAN AVE OVER I-55
DETOUR ROUTE - TRUCK

SCALE: 1" = 100' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	14
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



MATCHLINE SEE SHEET 14

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PLOT DATE = 4/26/2024	DATE - 04/26/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MICHIGAN AVE OVER I-55
DETOUR ROUTE - TRUCK**

SCALE: 1" = 100' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	15
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL "ROAD CONSTRUCTION AHEAD" WARNING SIGNS SHALL BE EQUIPPED WITH TYPE A MONO-DIRECTIONAL FLASHING LIGHT.
2. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL ROAD CLOSURE, TRAFFIC STAGE CHANGES, AND NEW TRAFFIC SIGNAL TURN-ON EVENTS ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN TWO WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE (DETERMINED BY THE ENGINEER) PLACED AS DIRECTED BY THE ENGINEER.
3. SIDEWALK CLOSURES AT 24TH PLACE AND 25TH STREET SHALL FOLLOW HIGHWAY STANDARD 701801-06.
4. THE CONTRACTOR SHALL REQUEST AND GAIN 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 ONE.
5. UNLESS SPECIFIED IN THE CONTRACT PLANS, ALL TRAFFIC LANES SHALL BE KEPT OPEN TO TRAFFIC DURING PEAK TRAFFIC VOLUME HOURS AS DEFINED IN THE CONTRACT SPECIAL PROVISION FOR KEEPING THE EXPRESSWAY OPEN TO TRAFFIC.
6. THE CONTRACTOR WILL BE ALLOWED TO IMPLEMENT TEMPORARY LANE CLOSURES, TEMPORARY SHOULDER CLOSURES, TEMPORARY RAMP CLOSURES (FULL OR PARTIAL) ACCORDING TO THE APPLICABLE IDOT HIGHWAY STANDARDS AND DISTRICT ONE DETAILS, AND PER THE ALLOWABLE HOURS IN THE CONTRACT SPECIAL PROVISION FOR KEEPING THE EXPRESSWAY OPEN TO TRAFFIC. TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY LANE AND SHOULDER CLOSURES SHALL BE IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARD OR DISTRICT DETAIL FOR THE PROPOSED WORK.
7. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISORS 14 DAYS IN ADVANCE OF ANY STAGES 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.
8. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PAVEMENT MARKING TAPE, TYPE IV (AND/OR MODIFIED URETHANE) USED FOR STAGING SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL-WATER BLASTING."
9. PAVEMENT MARKING TAPE, TYPE IV (AND/OR TYPE III) SHOWN ON THE PLANS FOR ANY CONSTRUCTION STAGE THAT THE CONTRACTOR PROPOSES TO EXTEND OVER THE WINTER PERIOD SHALL MEAN MODIFIED URETHANE PAVEMENT MARKING AND WILL BE PAID FOR THEIR RESPECTIVE CONTRACT UNIT PRICE.
10. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
11. CONTRACTOR SHALL COORDINATE WITH CHICAGO DEPARTMENT OF TRANSPORTATION (CDOT) FOR DEVELOPMENT AND MAINTENANCE OF TEMPORARY TRAFFIC SIGNAL TIMING. CONTRACTOR SHALL CONTACT YADOLLAH MONTAZERY AT YADOLLAH.MONTAZERY@CITYOFCHICAGO.ORG.

SUGGESTED STAGING AND TRAFFIC CONTROL

STAGE 1

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

TRAFFIC CONTROL:

1. TRAFFIC WILL BE REDUCED TO ONE NORTHBOUND LANE AND ONE SOUTHBOUND LANE.
2. THE NORTHBOUND LANE AND THE SOUTHBOUND LANE WILL BE MAINTAINED THROUGHOUT THE CONTRACT LIMITS WITH A SHIFT TO THE OUTER LANES OCCURRING AT THE BRIDGE STRUCTURE TO ACCOMMODATE THE WORK ZONES.
3. TRAFFIC CONTROL ON I-55 FOR BRIDGE ABUTMENT AND PIER PATCHING SHALL FOLLOW IDOT HIGHWAY STANDARDS AND IDOT DISTRICT ONE STANDARDS.

CONSTRUCTION

1. BRIDGE DECK SCARIFICATION.
2. INSTALL LATEX OVERLAY OVER BRIDGE DECK.
3. GROOVE BRIDGE DECK.
4. RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
5. REPAIR APPROACH PAVEMENT.
6. INSTALL HMA OVERLAY OVER APPROACH PAVEMENT.
7. CLEAN AND RESEAL RELIEF JOINTS AT THE END OF APPROACH PAVEMENT CONNECTORS.
8. APPLY CONCRETE SEALER TO PARAPETS, SIDEWALK, AND BRIDGE DECK.
9. BRIDGE ABUTMENT AND PIER PATCHING.

STAGE 2

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

TRAFFIC CONTROL:

1. TRAFFIC WILL REMAIN AS ONE NORTHBOUND LANE AND ONE SOUTHBOUND LANE.
2. THE NORTHBOUND LANE AND THE SOUTHBOUND LANE WILL BE MAINTAINED THROUGHOUT THE CONTRACT LIMITS WITH A SHIFT TO THE INNER LANES OCCURRING AT THE BRIDGE STRUCTURE TO ACCOMMODATE THE WORK ZONES.
3. TRAFFIC CONTROL ON I-55 FOR BRIDGE ABUTMENT AND PIER PATCHING SHALL FOLLOW IDOT HIGHWAY STANDARDS AND IDOT DISTRICT ONE STANDARDS.

CONSTRUCTION

1. BRIDGE DECK SCARIFICATION.
2. CLEAN AND ADJUST SCUPPERS.
3. INSTALL LATEX OVERLAY OVER BRIDGE DECK.
4. GROOVE BRIDGE DECK.
5. RECONSTRUCT DECK JOINTS AT EACH ABUTMENT WITH PREFORMED JOINT STRIP SEAL.
6. REPAIR APPROACH PAVEMENT.
7. INSTALL HMA OVERLAY OVER APPROACH PAVEMENT.
8. CLEAN AND RESEAL RELIEF JOINTS AT THE END OF APPROACH PAVEMENT CONNECTORS.
9. APPLY CONCRETE SEALER TO PARAPETS, SIDEWALK, AND BRIDGE DECK.
10. BRIDGE ABUTMENT AND PIER PATCHING.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

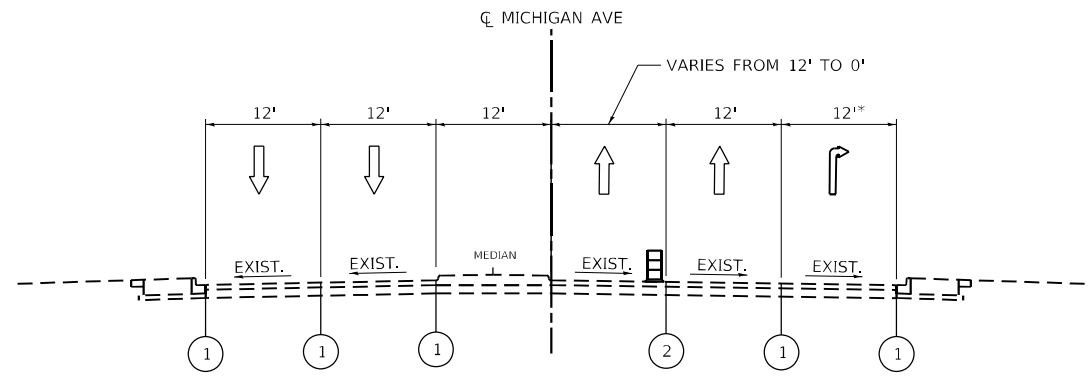
MAINTENANCE OF TRAFFICE
GENERAL NOTES AND SEQUENCE OF STAGING

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	16
			CONTRACT NO. 62T49	
			ILLINOIS FED. AID PROJECT	

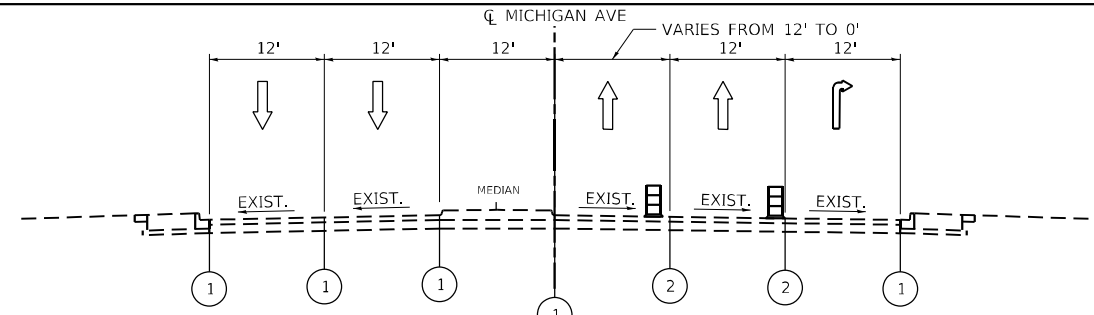
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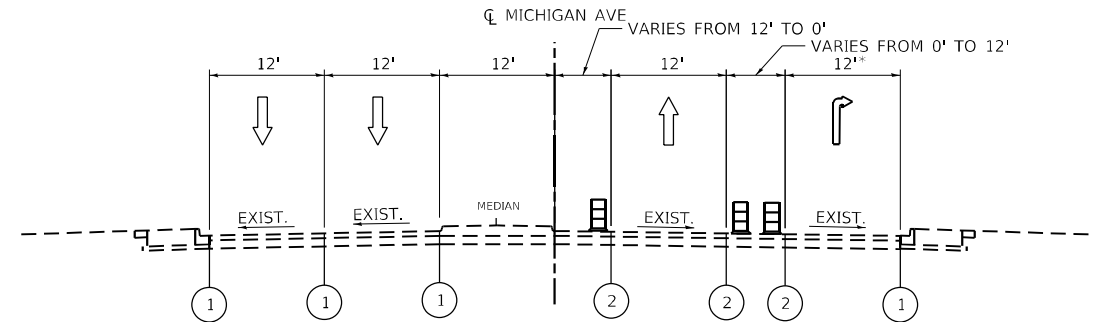


STAGE 1
MICHIGAN AVE SOUTH APPROACH
83+38 - 86+99
(LOOKING NORTH)

*TURN LANE IS DISCONTINUED AT 25TH ST

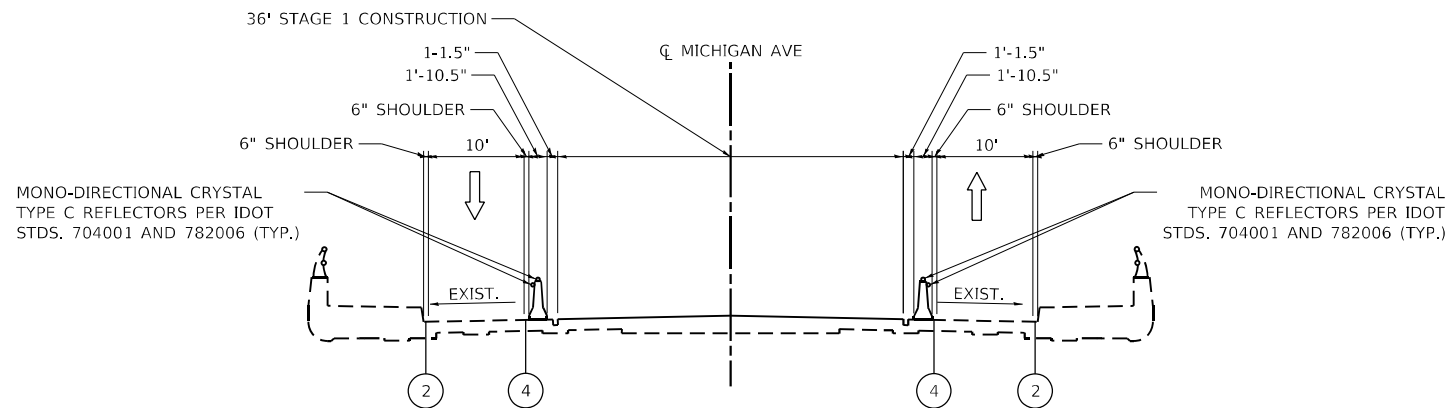


STAGE 2
MICHIGAN AVE SOUTH APPROACH
83+38 - 84+28
(LOOKING NORTH)

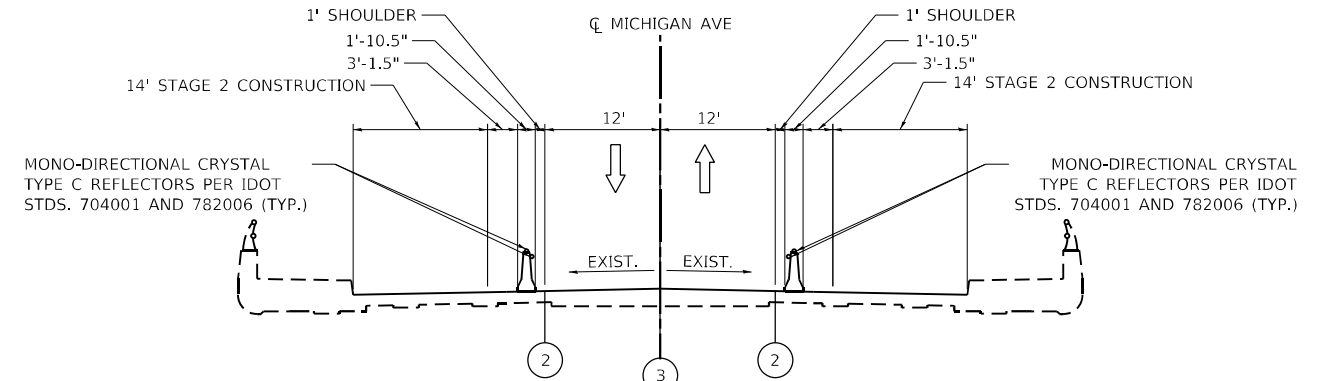


STAGE 2
MICHIGAN AVE SOUTH APPROACH
84+28 - 86+99
(LOOKING NORTH)

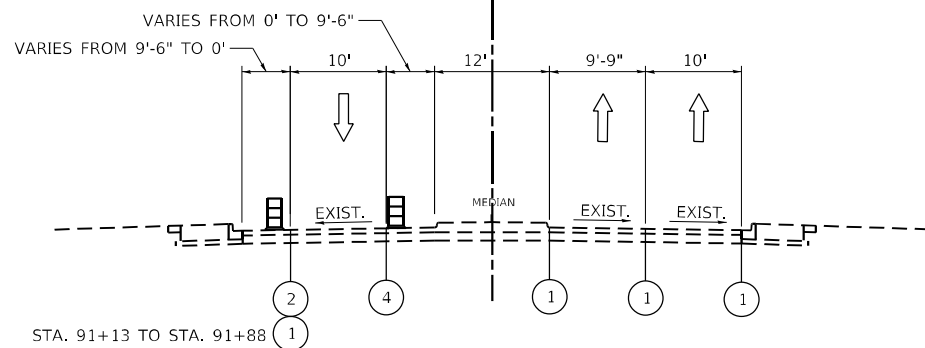
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STAGE 1
MICHIGAN AVE BRIDGE
(LOOKING NORTH)

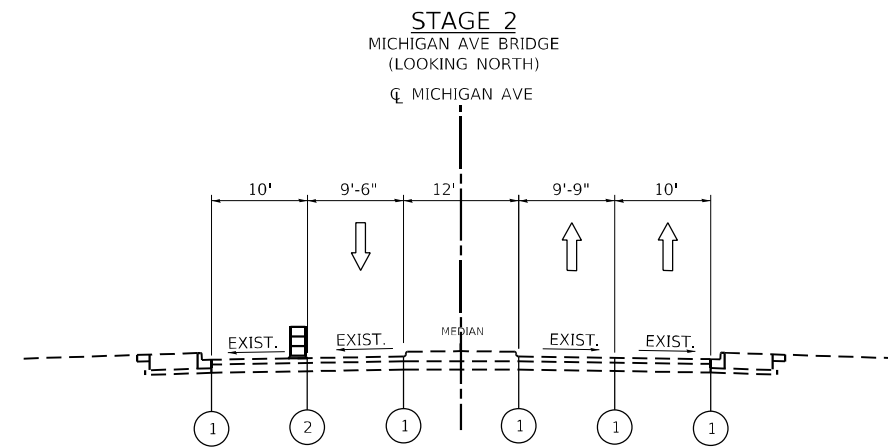


STAGE 2
MICHIGAN AVE BRIDGE
(LOOKING NORTH)



STAGE 1
MICHIGAN AVE NORTH APPROACH
91+13 - 93+39
(LOOKING NORTH)

STA. 91+13 TO STA. 91+88



STAGE 2
MICHIGAN AVE NORTH APPROACH
91+13 - 93+15
(LOOKING NORTH)

LEGEND

- ① EXISTING PAVEMENT MARKING
- ② TEMPORARY PAVEMENT MARKING, TYPE IV TAPE, 4 INCH (WHITE)
- ③ TEMPORARY PAVEMENT MARKING, LINE 4" - TYPE IV TAPE (DOUBLE YELLOW @ 11" C-C)
- ④ TEMPORARY PAVEMENT MARKING, TYPE IV TAPE, 4 INCH (YELLOW)

- TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED TYPE C REFLECTORS PER STD. 704001 & 782006
- DRUM OR BARRICADE

NOTE

1. TYPE C REFLECTORS SHALL BE CONSIDERED INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.
2. CONTRACTOR TO MAINTAIN ACCESS TO ONE SIDE OF THE SIDEWALK AT ALL TIMES.

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USER NAME = Michael.Czerpak	DESIGNED - LSPARBER	REVISED -
	DRAWN - LSPARBER	REVISED -
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PLOT DATE = 4/26/2024	DATE - 11/10/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MICHIGAN AVE OVER I-55
MAINTENANCE OF TRAFFIC - MICHIGAN AVE TYPICAL SECTIONS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	17
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				

LEGEND

- DIRECTION OF TRAFFIC
- WORKZONE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM OR TYPE II BARRICADE (@ 50' C-C TANGENT, @ 20' C-C TAPER, @ 10' C-C CURVE)
- ARROW BOARD
- TEMPORARY CONCRETE BARRIER

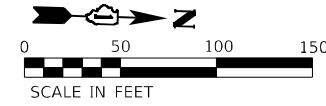
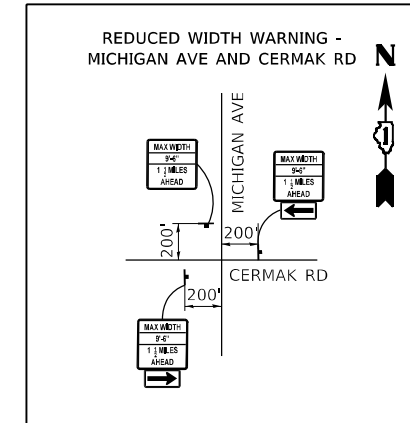
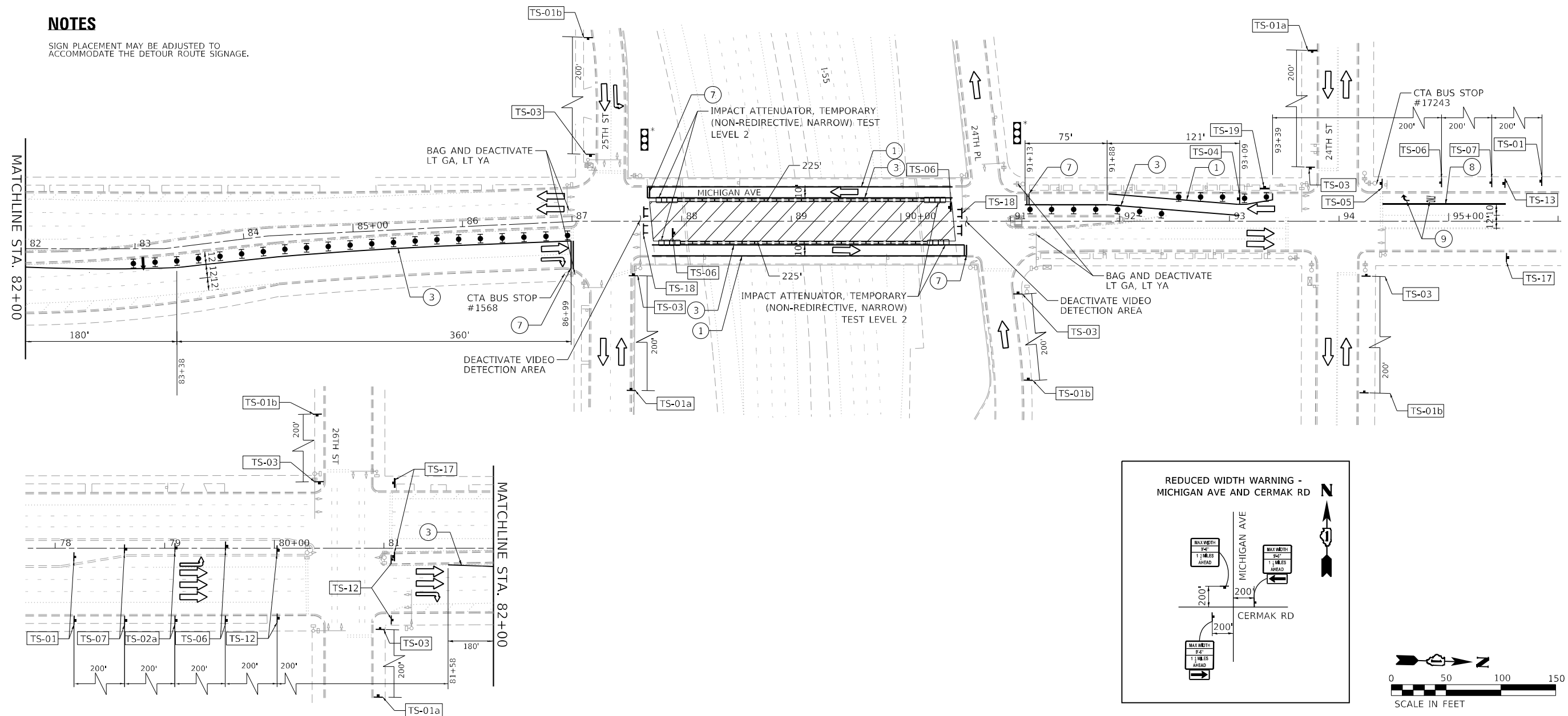
- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (DOUBLE YELLOW @ 8 C-C)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (YELLOW)
- ④ TEMPORARY CONSTRUCTION FENCE
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (YELLOW), 2' DASH-6' SKIP
- ⑥ RELOCATE TEMPORARY CONCRETE BARRIER
- ⑦ TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE (WHITE)
- ⑧ TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE (WHITE)
- ⑨ TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS
- SIGNALIZED INTERSECTION
*TEMPORARY TRAFFIC SIGNAL TIMING REQUIRED

MAINTENANCE OF TRAFFIC SIGNS

TS-01		W20-1103(0)-48	TS-02a		W20-5L(0)-48	TS-06		W21-1115(0)-3618 R2-1-3648 R10-1108p-3618 R2-1106p-3618	TS-10		R11-1102-2430	TS-15		W12-1102(0)-48
TS-01a		W20-1103(0)-48	TS-03		W12-1102(0)-48	TS-07		W12-1102(0)-48	TS-11		W6-3(0)-48	TS-16		R3-1100L-2424 M6-2R-2115
TS-01b		W20-1103(0)-48	TS-04		W1-4R(0)-48	TS-08		W9-3-48	TS-12		W4-2L-48	TS-17		R11-1102-2430
TS-02		W20-5R(0)-48	TS-05		R3-5(R)-3036	TS-09		R11-1101-2418	TS-13		R3-7R-36	TS-18		R4-7A-2430

NOTES

SIGN PLACEMENT MAY BE ADJUSTED TO ACCOMMODATE THE DETOUR ROUTE SIGNAGE.



MODEL SHEET
FILE NAME: D:\130422\enr\SnapProj_01



USER NAME = Michael.Czerpak	DESIGNED - LSPARBER	REVISED -
DRAWN - LSPARBER	REVISOR -	
PLOT SCALE = 100,0000' / in.	CHECKED - HREGAN	REVISOR -
PLOT DATE = 4/26/2024	DATE - 11/10/2023	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MICHIGAN AVE OVER I-55
PROPOSED STAGE 1 PLAN**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 84+05 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	18
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				

LEGEND

- DIRECTION OF TRAFFIC
- WORKZONE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM OR TYPE II BARRICADE
(@ 50' C-C TANGENT, @ 20' C-C TAPER, @ 10' C-C CURVE)
- ARROW BOARD
- TEMPORARY CONCRETE BARRIER

- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (DOUBLE YELLOW @ 8 C-C)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (YELLOW)
- ④ TEMPORARY CONSTRUCTION FENCE
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (YELLOW), 2' DASH-6' SKIP
- ⑥ RELOCATE TEMPORARY CONCRETE BARRIER
- ⑦ TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE (WHITE)
- ⑧ TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE (WHITE)
- ⑨ TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS
- SIGNALIZED INTERSECTION
*TEMPORARY TRAFFIC SIGNAL TIMING REQUIRED

MAINTENANCE OF TRAFFIC SIGNS

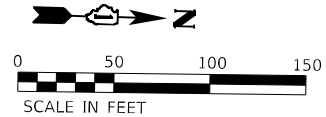
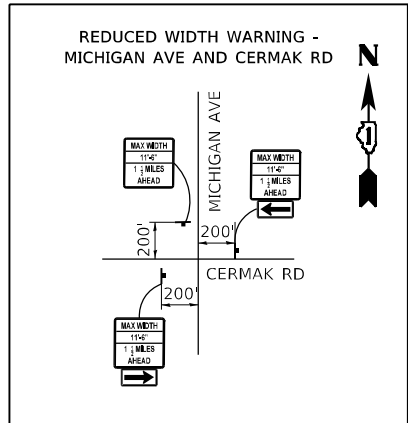
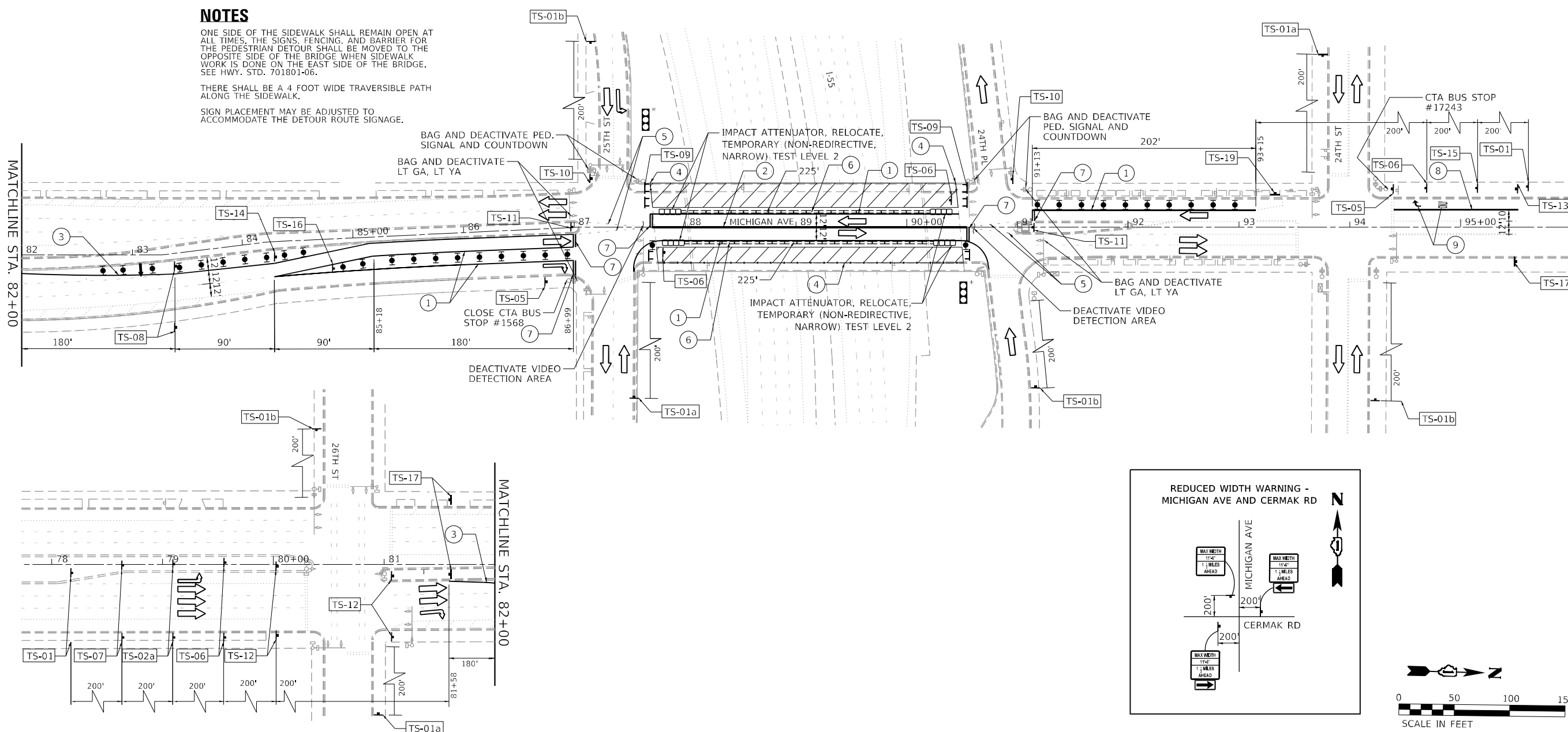
TS-01	TS-02a	TS-03	TS-04	TS-05	TS-06	TS-07	TS-08	TS-09	TS-10	TS-11	TS-12	TS-13	TS-14	TS-15	TS-16	TS-17	TS-18	TS-19
W20-1103(0)-48	W20-5L(0)-48	W12-1102(0)-48	W1-4R(0)-48	R3-5(R)-3036	W21-1115(0)-3618 R2-1-3648 R10-1108p-3618 R2-1106p-3618	W12-1102(0)-48	W9-3-48	R11-1101-2418	R11-1102-2430	W6-3(0)-48	W4-2L-48	R3-7R-36	W1-4L(0)-48	W12-1102(0)-48	R3-1100L-2424 M6-2R-2115	R11-1102-2430	R4-7A-2430	R7-1-3-1218

NOTES

ONE SIDE OF THE SIDEWALK SHALL REMAIN OPEN AT ALL TIMES. THE SIGNS, FENCING, AND BARRIER FOR THE PEDESTRIAN DETOUR SHALL BE MOVED TO THE OPPOSITE SIDE OF THE BRIDGE WHEN SIDEWALK WORK IS DONE ON THE EAST SIDE OF THE BRIDGE. SEE HWY. STD. 701801-06.

THERE SHALL BE A 4 FOOT WIDE TRAVERSIBLE PATH ALONG THE SIDEWALK.

SIGN PLACEMENT MAY BE ADJUSTED TO ACCOMMODATE THE DETOUR ROUTE SIGNAGE.



MODEL SHEET
FILE NAME: D:\130422\enr\Snapmap2_01



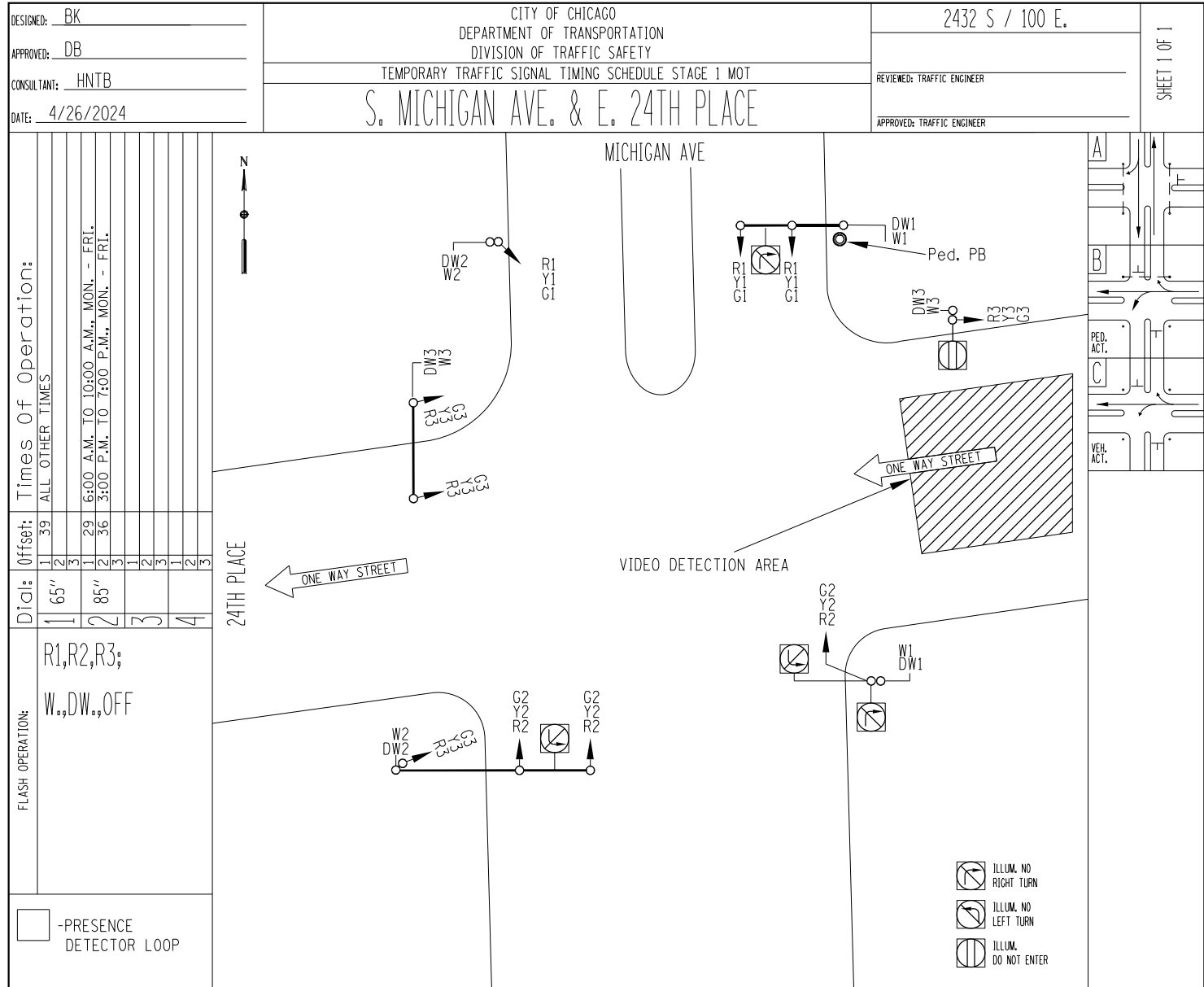
USER NAME = Michael.Czerpak	DESIGNED - LSPARBER	REVISED -
DRAWN - LSPARBER	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - HREGAN	REVISIONS -
PLOT DATE = 4/26/2024	DATE - 11/10/2023	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MICHIGAN AVE OVER I-55
PROPOSED STAGE 2 PLAN**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 84+05 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	19
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



SIGNAL INDICATIONS:	PHASE:	INTERVAL:	A			B			C			DATE SENT:	INSTALLED:
			1	2	3	4	5	6	7	8	9		
MICHIGAN (NB.)	G1												
"	Y1												
"	R1												
MICHIGAN (SB.)	G2												
"	Y2												
"	R2												
24TH PLACE (WB.)	G3												
"	Y3												
"	R3												
WALK (E. X'WALK)	W1												
DON'T WALK	DW1												
WALK (W. X'WALK)	W2												
DON'T WALK	DW2												
WALK (N. X'WALK)	W3												
DON'T WALK	DW3												

DIAL #1	SECONDS/INTERVAL
58"	MIN.
10 3 1	W/ACTUATIONS
5 18 3 1	PED. ACT. MAX.
VAR. 3 1	VEH. ACT. INIT. 8" EXT. 5" MAX. 23"
0 0 0	ACT. ONLY
VAR. 0	LI ACT. INIT. 0" EXT. 0" MAX. 0"

DIAL #2	SECONDS/INTERVAL
58"	MIN.
10 3 1	W/ACTUATIONS
5 18 3 1	PED. ACT. MAX.
VAR. 3 1	VEH. ACT. INIT. 8" EXT. 5" MAX. 23"
0 0 0	ACT. ONLY
VAR. 0	LI ACT. INIT. 0" EXT. 0" MAX. 0"

MODEL: D:\64bit
 FILE NAME: D:\30422\enr\enr64bit.dgn



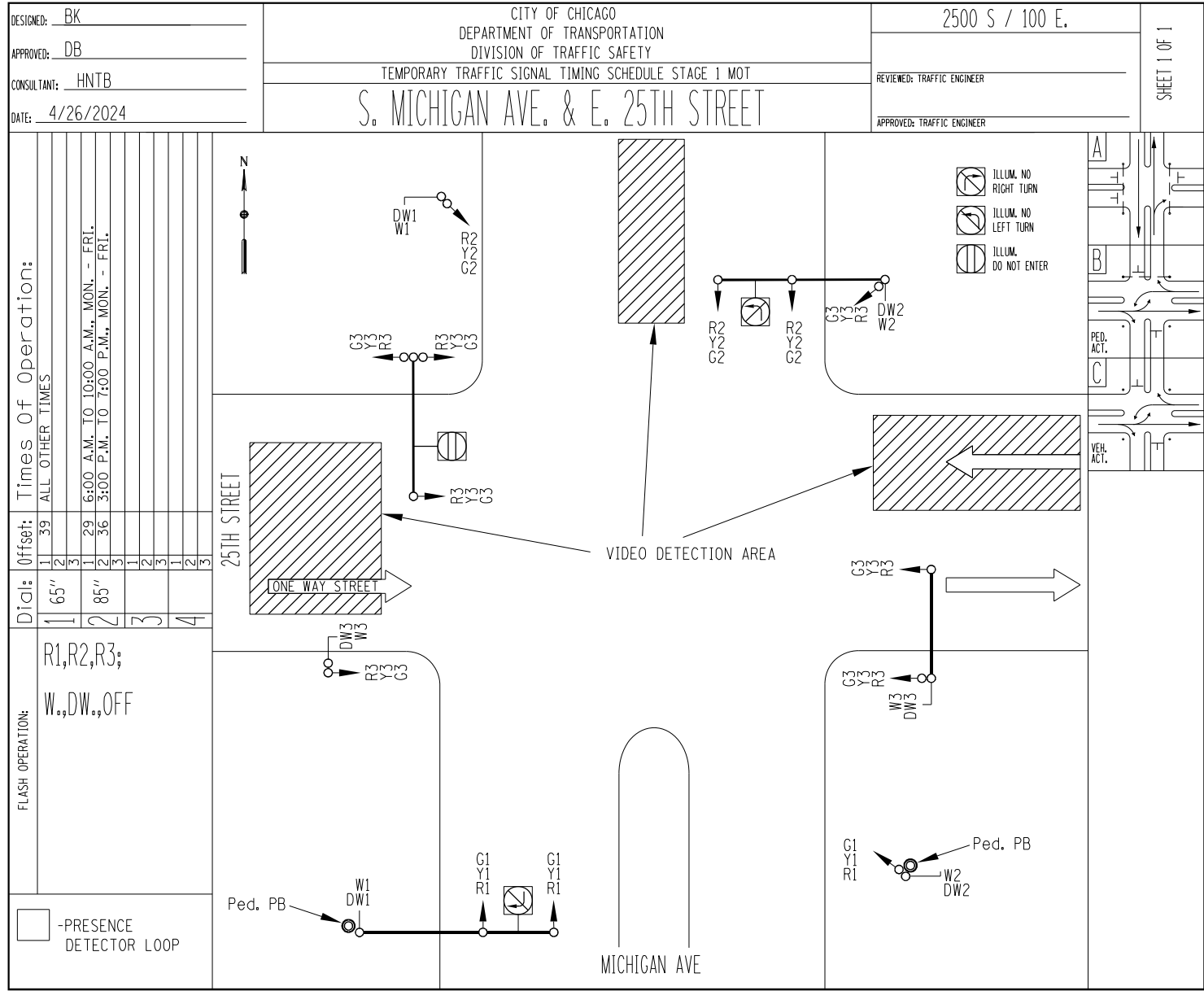
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DRAWN - LSPARBER	CHECKED - HREGAN	REVISED -
PLOT SCALE = 2,000' / in.	DATE - 11/10/2023	REVISED -
PLOT DATE = 4/26/2024		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STAGE 1 MOT - TEMPORARY TRAFFIC SIGNAL EQUIPMENT
 SCHEMATIC AND SIGNAL TIMING SCHEDULE - 24TH PLACE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	20
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



SIGNAL INDICATIONS:	PHASE:	INTERVAL:	A				B				C			DATE SENT:	INSTALLED:
			1	2	3	4	5	6	7	8	9	10	11		
MICHIGAN (SB)	G1														
"	Y1														
"	R1														
MICHIGAN (NB)	G2														
"	Y2														
"	R2														
25TH STREET (EB. & WB.)	G3														
"	Y3														
"	R3														
WALK (W. X'WALK)	W1														
DON'T WALK	DW1														
WALK (E. X'WALK)	W2														
DON'T WALK	DW2														
WALK (S. X'WALK)	W3														
DON'T WALK	DW3														

DIAL #1	SECONDS/INTERVAL	34" MIN.	14 3 1	5 22 3 1	3 2	0 0 0	0
					VAR. 3		VAR. 0
					INIT. 7"		INIT. 0"
					EXT. 5"		EXT. 0"
					MAX. 27"		MAX. 0"

DIAL #2	SECONDS/INTERVAL	51" MIN.	14 3 1	7 22 3 1	3 1	14 3 1	3
					VAR. 3		VAR. 3
					INIT. 9"		INIT. 7"
					EXT. 5"		EXT. 0"
					MAX. 29"		MAX. 7"

MODEL: D:\64bit
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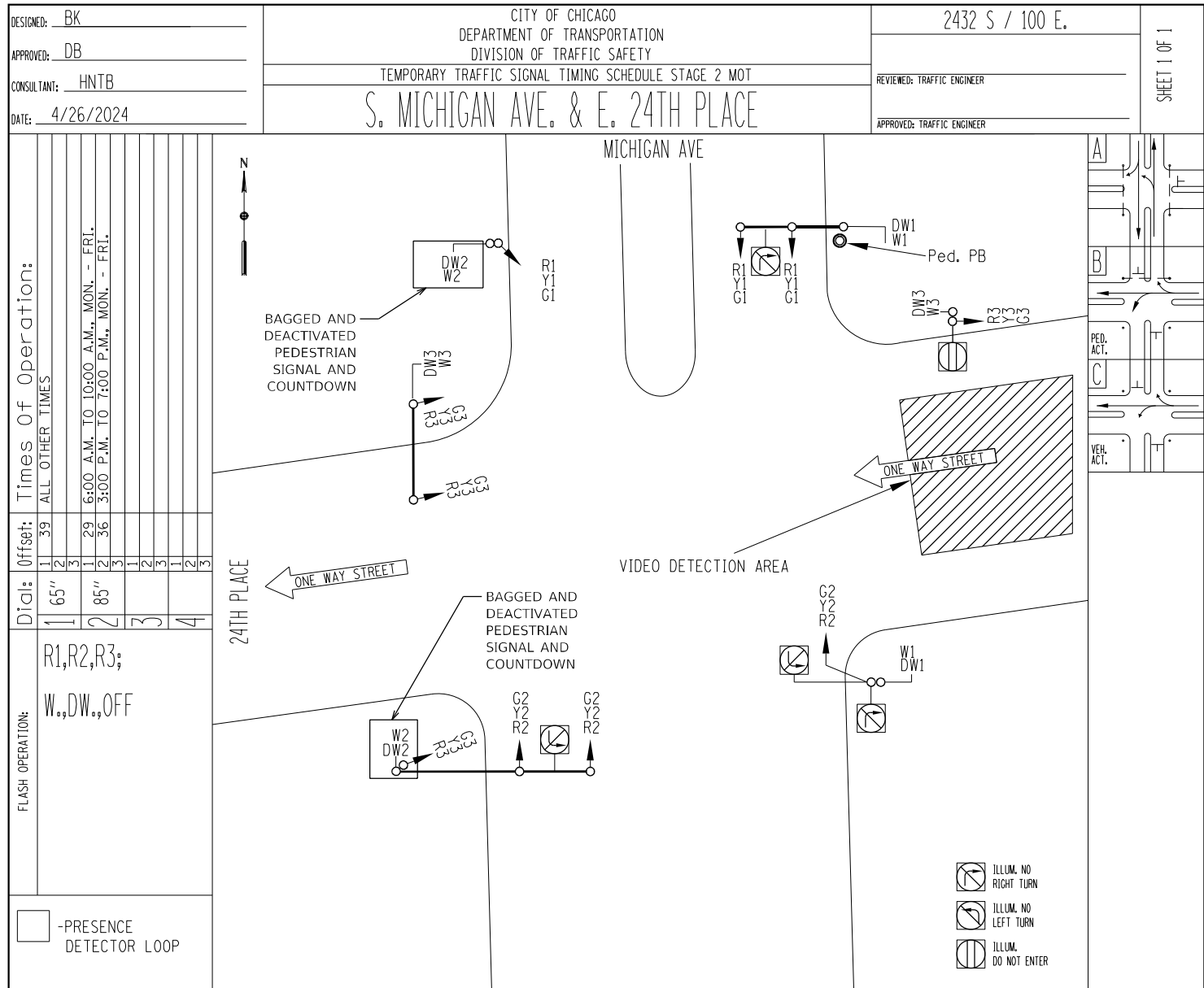
USER NAME = Michael.Czerpak	DESIGNED - LSPARBER	REVISD -
DRAWN - LSPARBER	CHECKED - HREGAN	REVISD -
PLOT SCALE = 2,000' / in.	DATE - 11/10/2023	REVISD -
PLOT DATE = 4/26/2024		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

STAGE 1 MOT - TEMPORARY TRAFFIC SIGNAL EQUIPMENT
 SCHEMATIC AND SIGNAL TIMING SCHEDULE - 25TH STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	21
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



SIGNAL INDICATIONS:	PHASE:	INTERVAL:	A			B			C			DATE SENT:	INSTALLED:
			1	2	3	4	5	6	7	8	9		
MICHIGAN (NB.)	G1												
"	Y1												
"	R1												
MICHIGAN (SB.)	G2												
"	Y2												
"	R2												
24TH PLACE (WB.)	G3												
"	Y3												
"	R3												
WALK (E. X'WALK)	W1												
DON'T WALK	DW1												
WALK (W. X'WALK)	W2												
DON'T WALK	DW2												
WALK (N. X'WALK)	W3												
DON'T WALK	DW3												

DIAL #1	SECONDS/INTERVAL
58"	MIN.
10	ACTUATIONS
3	1
1	
5	PED. ACT.
18	3
3	1
1	MAX.
VEH. ACT.	VAR. 3 1
INIT.	8"
EXT.	5"
MAX.	23"
ACT. ONLY	0 0 0
LI ACT.	VAR. 0
INIT.	0"
EXT.	0"
MAX.	0"

DIAL #2	SECONDS/INTERVAL
58"	MIN.
10	ACTUATIONS
3	1
1	
5	PED. ACT.
18	3
3	1
1	MAX.
VEH. ACT.	VAR. 3 1
INIT.	8"
EXT.	5"
MAX.	23"
ACT. ONLY	0 0 0
LI ACT.	VAR. 0
INIT.	0"
EXT.	0"
MAX.	0"

NOTE:
 CONTRACTOR TO FLIP THE BAGGING AND DEACTIVATING OF THE PEDESTRIAN SIGNAL AND COUNTDOWN WHEN THE EAST SIDEWALK IS CLOSED FOR CONSTRUCTION.

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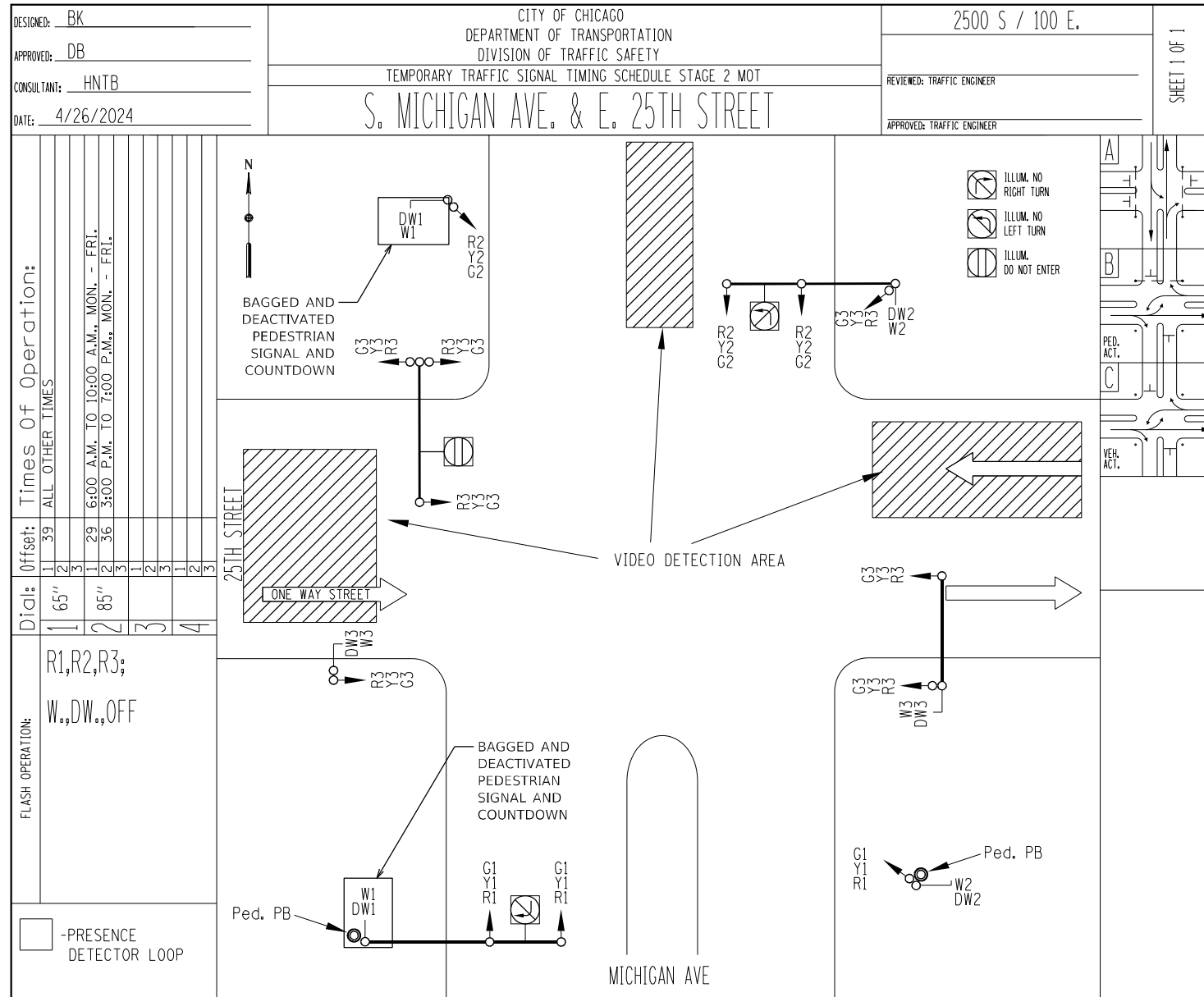
USER NAME = Michael.Czerpak	DESIGNED - LSPARBER	REVISED -
DRAWN - LSPARBER	CHECKED - HREGAN	REVISED -
PLOT SCALE = 2,000' / in.	DATE - 11/10/2023	REVISED -
PLOT DATE = 4/26/2024		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STAGE 2 MOT - TEMPORARY TRAFFIC SIGNAL EQUIPMENT
 SCHEMATIC AND SIGNAL TIMING SCHEDULE - 24TH PLACE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	22
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



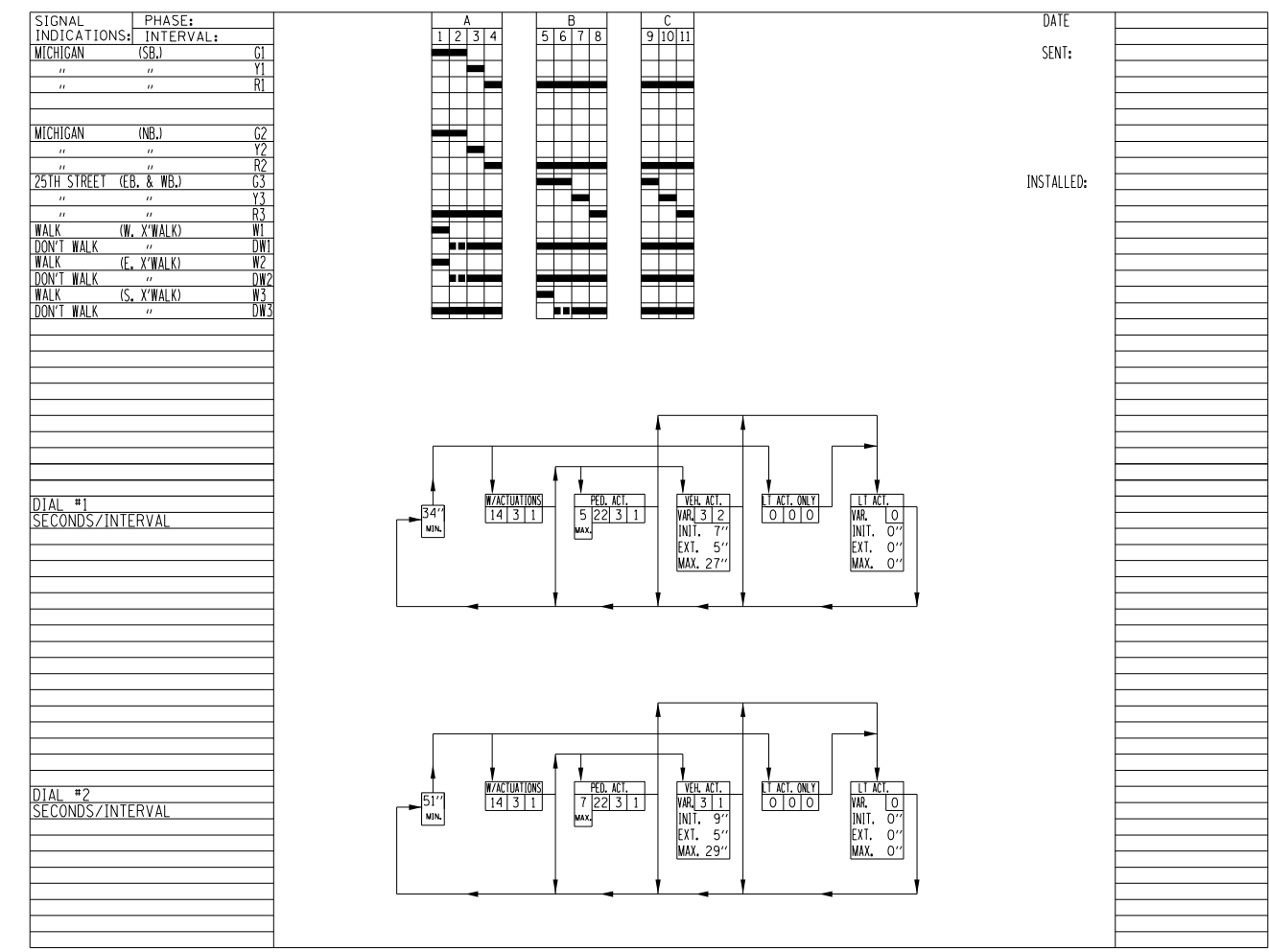
Times of Operation:

Offset:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
ALL OTHER TIMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
6:00 A.M. TO 10:00 A.M., MON. - FRI.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
3:00 P.M. TO 7:00 P.M., MON. - FRI.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

Dial:

65"	1	2	3	4
85"	1	2	3	4

FLASH OPERATION:
 R1,R2,R3;
 W.,DW.,OFF



NOTE:
 CONTRACTOR TO FLIP THE BAGGING AND DEACTIVATING OF THE PEDESTRIAN SIGNAL AND COUNTDOWN WHEN THE EAST SIDEWALK IS CLOSED FOR CONSTRUCTION.

MODEL: D:\64bit...
 FILE NAME: D:\30422\hntb\25th\25th-4.dgn



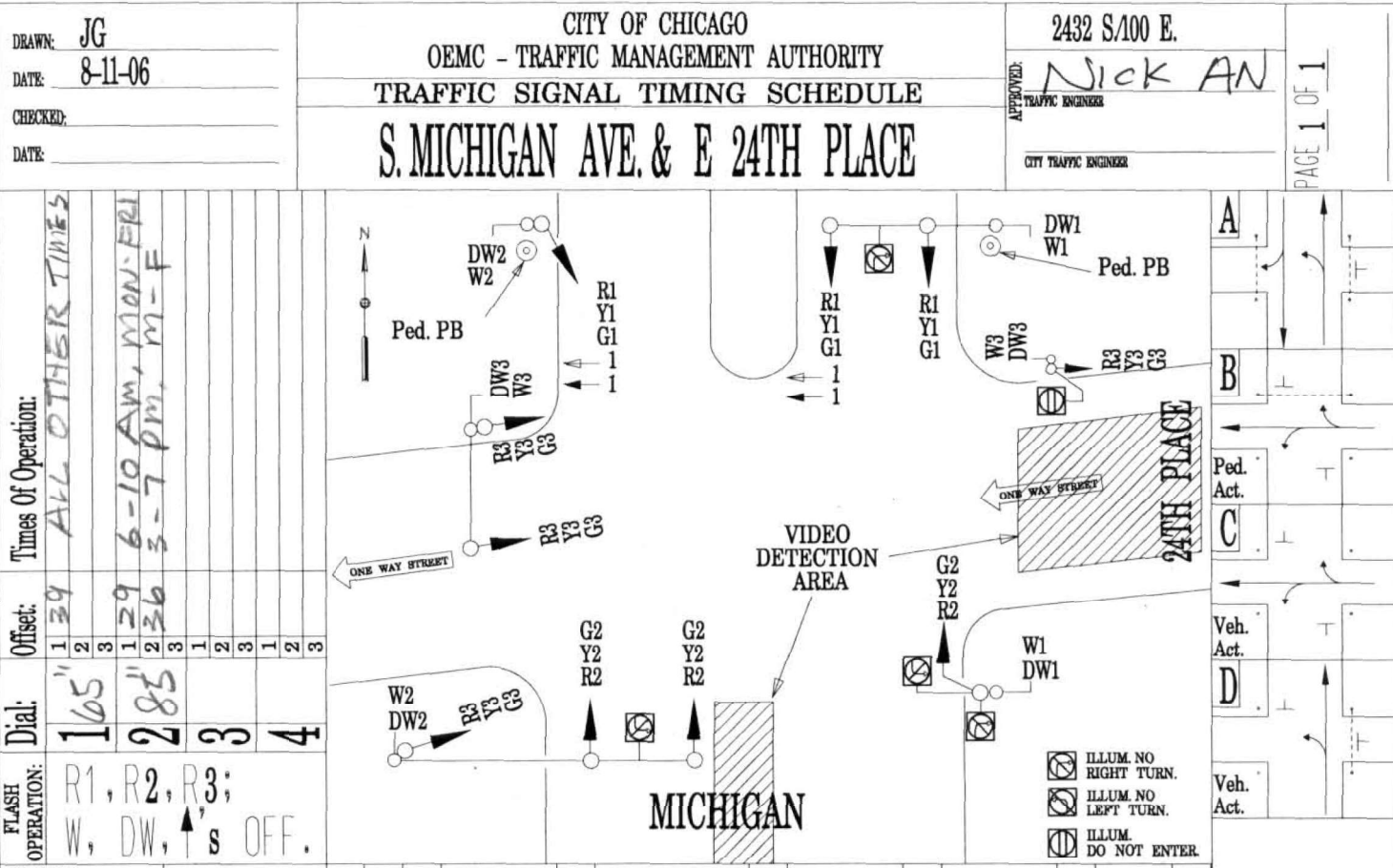
USER NAME = Michael.Czerpak	DESIGNED - LSPARBER	REVISED -
DRAWN - LSPARBER	CHECKED - HREGAN	REVISED -
PLOT SCALE = 2,000' / in.	DATE - 11/10/2023	REVISED -
PLOT DATE = 4/26/2024		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

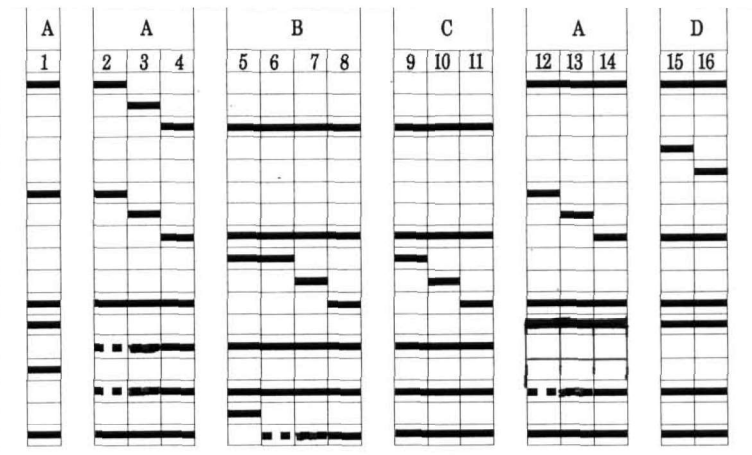
SCALE: SHEET OF SHEETS STA. TO STA.

STAGE 2 MOT - TEMPORARY TRAFFIC SIGNAL EQUIPMENT
 SCHEMATIC AND SIGNAL TIMING SCHEDULE - 25TH STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	23
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



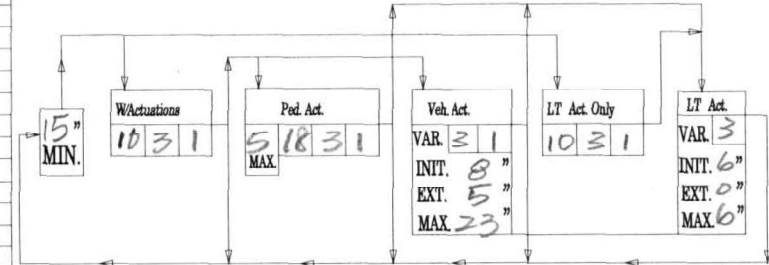
SIGNAL	PHASE:	INTERVAL:
MICHIGAN (NB)	G1	
"	Y1	
"	R1	
MICHIGAN (NB)	LT GA ← 1	
"	LT YA ← 1	
MICHIGAN (SB)	G2	
"	Y2	
"	R2	
24TH PLACE(WB)	G3	
"	Y3	
"	R3	
WALK (E XWALK.)	W1	
DON'T WALK	DW1	
WALK (W XWALK.)	W2	
DON'T WALK	DW2	
WALK (N XWALK.)	W3	
DON'T WALK	DW3	



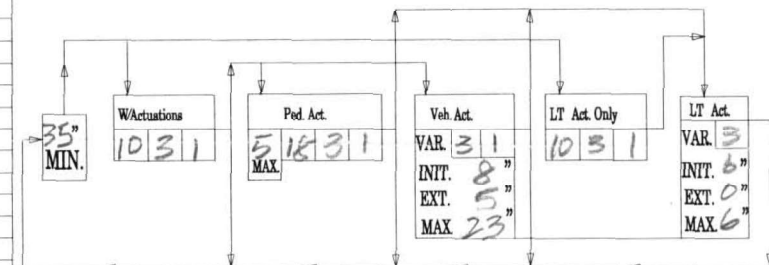
DATE: _____

INSTALLED: 10-4-07

DIAL # 1
SECONDS / INTERVAL



DIAL # 2
SECONDS / INTERVAL



NOTE:
TRAFFIC SIGNAL TIME TO BE RETURNED TO EXISTING CONDITION UPON COMPLETION OF CONSTRUCTION.



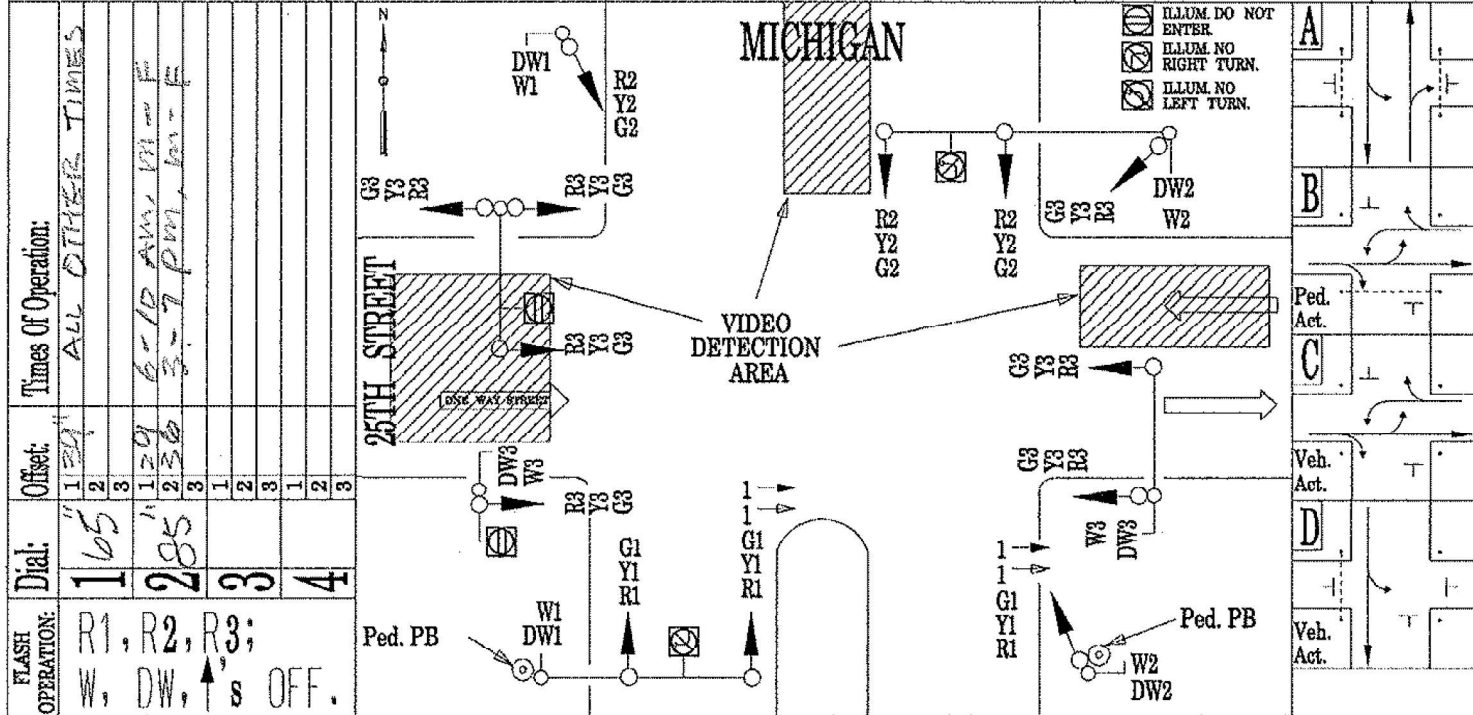
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DRAWN - LSPARBER	REVISED -	
PLOT SCALE = 2,000' / in.	CHECKED - HREGAN	REVISED -
PLOT DATE = 4/26/2024	DATE - 11/10/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL EQUIPMENT
SCHEMATIC AND SIGNAL TIMING SCHEDULE - 24TH PLACE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	24
CONTRACT NO. 62T49			ILLINOIS FED. AID PROJECT	

DRAWN: JG	CITY OF CHICAGO OEMC - TRAFFIC MANAGEMENT AUTHORITY TRAFFIC SIGNAL TIMING SCHEDULE S. MICHIGAN AVE. & E 25TH STREET	2500 S/100 E.	APPROVED: Nick AN <small>TRAFFIC ENGINEER</small> CITY TRAFFIC ENGINEER	PAGE 1 OF 1
DATE: 8-11-06				
CHECKED:				
DATE:				



FLASH OPERATION: R1, R2, R3; W, DW, ↑'s OFF.	Dial:	1	2	3	4
	Offset:	1:29	1:29	2:36	2:36
	Times Of Operation:	ALL OTHER TIMES			
		6-10 AM, Mon-Fri 3-7 PM, Sat-Fri			

SIGNAL	PHASE:	A				B				C			A				D	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
MICHIGAN (SB)	G1																	
"	Y1																	
"	R1																	
MICHIGAN (SB)	LT GA ← 1																	
"	LT YA ← 1																	
MICHIGAN (NB)	G2																	
"	Y2																	
"	R2																	
25TH STREET (EB&WB)	G3																	
"	Y3																	
"	R3																	
WALK (W XWALK)	W1																	
DON'T WALK	DW1																	
WALK (E XWALK)	W2																	
DON'T WALK	DW2																	
WALK (S XWALK)	W3																	
DON'T WALK	DW3																	

DIAL # 1	SECONDS / INTERVAL	6" MIN.	W Actuations	14 3 1	Ped. Act.	5 22 3 2	Veh. Act.	VAR 3 2	INT. 7"	EXT. 5"	MAX 27"	LT Act. Only	14 3 1	LT Act.	VAR 3	INT. 6"	EXT. 6"	MAX 6"
DIAL # 2	SECONDS / INTERVAL	23" MIN.	W Actuations	14 3 1	Ped. Act.	7 22 3 2	Veh. Act.	VAR 3 2	INT. 9"	EXT. 5"	MAX 29"	LT Act. Only	14 3 1	LT Act.	VAR 3	INT. 7"	EXT. 0"	MAX 7"

NOTE:
TRAFFIC SIGNAL TIME TO BE RETURNED TO EXISTING CONDITION
UPON COMPLETION OF CONSTRUCTION.

MODEL: D:\hntb\...
 FILE NAME: D:\30422\hntb\c4h-6.dgn



USER NAME = Michael.Czerpak	DESIGNED - LSPARBER	REVISED -
DRAWN - LSPARBER	REVISIONS -	
PLOT SCALE = 2,000' / in.	CHECKED - HREGAN	REVISED -
PLOT DATE = 4/26/2024	DATE - 11/10/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL EQUIPMENT
SCHEMATIC AND SIGNAL TIMING SCHEDULE - 25TH STREET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	25
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				

DATE:

INSTALLED:
5/21/09

Benchmark: Brass monument stamped "TOMKD" in asphalt pavement in center of directional island SE corner of 24th place and Michigan Avenue. EL. +15.2

Existing Structure: The original 1966 bridge superstructure was a two-span, continuous composite, wide flange beam with reinforced concrete deck, and the original substructure had two abutments, wingwalls, and one multiple column pier supported by drilled caissons. The existing SB pier and west wingwall caissons were reused from the 1966 bridge structure. The entire superstructure, abutments, wingwalls, and NB pier were removed to reconstruct the existing 1993 bridge structure. The existing two span continuous steel structure number 016-0184 was reconstructed in 1993 carrying Michigan Avenue over the I-55 (Stevenson Expressway) and is located in Chicago, IL, Cook County. The out-to-out width of the structure is 80'-0" and back-to-back of abutments is 215'-10 1/4". The present width accommodates five lanes (two 12'-0" lanes in each direction and one shared 12'-0" turning lane), 2'-0" shoulders, and 7'-0" sidewalks on both sides.

One lane of traffic in each direction and one sidewalk shall be maintained at all times using staged construction.

No Salvage

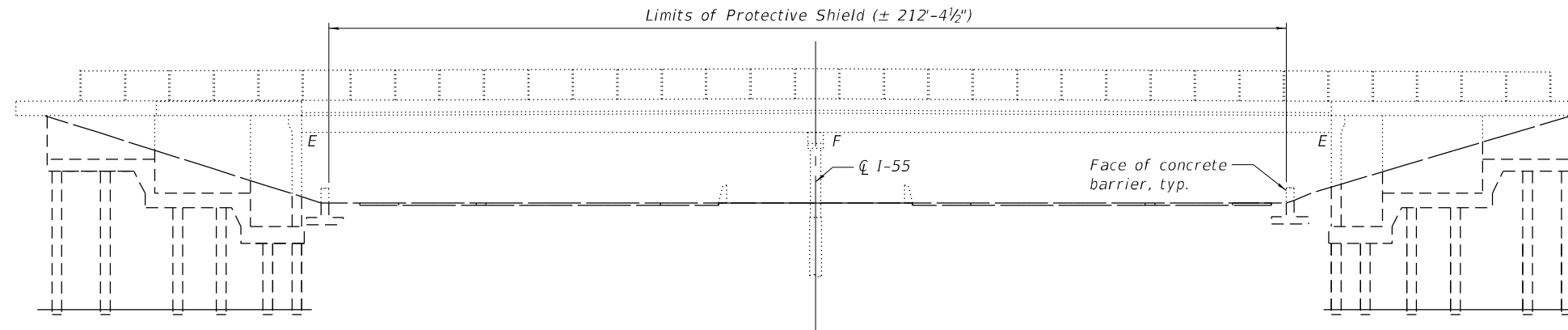
DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges

DESIGN STRESSES
FIELD UNITS

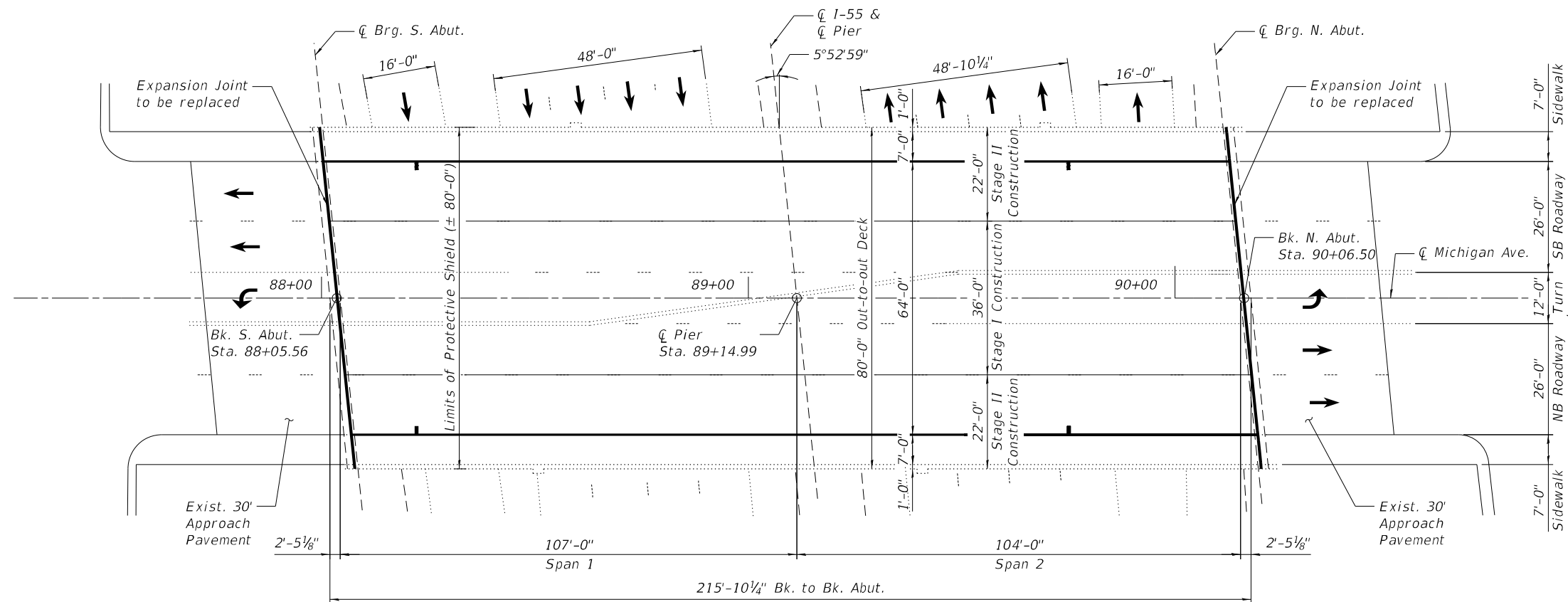
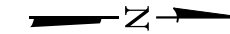
$f'_c = 4,000$ psi (Superstructure)
 $f'_c = 3,500$ psi (Substructure)
 $f_y = 60,000$ psi (Reinforcement)

SCOPE OF WORK

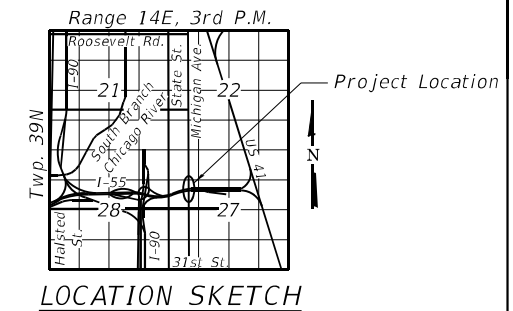
1. Install Protective Shield.
2. Scarify and Overlay bridge deck.
3. Reconstruct the expansion joints at each abutment.
4. Adjust drain scuppers.
5. Repair substructure elements in abutments and pier.



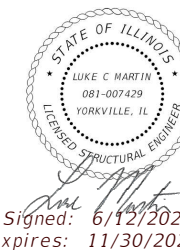
ELEVATION



PLAN



LOCATION SKETCH



GENERAL PLAN AND ELEVATION
F.A.I. RT. 55 (STEVENSON)
MICHIGAN AVE. OVER I-55
SECTION FAI 55 SW-1818.2-2B
COOK COUNTY
STATION 89+14.99
STRUCTURE NO. 016-0184

MODEL: Default
FILE NAME: D:\130422-shr-016-0184-01-BridgeGPE



USER NAME =	DESIGNED - JJM	REVISED -
CHECKED - LM	REVISED -	
PLOT SCALE =	DRAWN - JJM	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 016-0184

SHEET 1 OF 14 SHEETS

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	26
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. 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 Concrete Removal.
3. Plan dimensions and details relative to existing structure have been taken from 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.
4. 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 at the contractor's expense.
5. Concrete Sealer shall be applied to the areas of concrete repair at each abutment and pier. All surfaces to be sealed shall be cleaned thoroughly prior to sealer application.
6. The Contractor shall exercise care during removal of existing joints to ensure that the slab, beams and diaphragms' integrity will not be detrimentally impacted. The Contractor shall repair any damage(s) to the slab, beams and diaphragms caused by his operation as directed by the Engineer at no additional cost to the Department.
7. Protective Coat shall be applied to the reconstructed top and inside face of the bridge parapets, sidewalks, joint, and new concrete overlay areas, per Section 503.19 of the Standard Specifications.
8. Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50°F.

INDEX OF SHEETS

1. General Plan and Elevation
2. General Data
3. Construction Staging
4. Temporary Concrete Barrier
5. Deck Repair and Overlay Plan
6. Drainage Scupper Adjustment Details
- 7-8. Abutment Expansion Joint Replacement
- 9-11. Preformed Joint Strip Seal - Sidewalk
- 12-13. Substructure Repair Details
14. Bar Splicer Assembly and Mechanical Splicer Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd	21.9		21.9
Protective Shield	Sq Yd	1,888		1,888
Concrete Superstructure	Cu Yd	23.7		23.7
Bridge Deck Grooving	Sq Yd	1,510		1,510
Protective Coat	Sq Yd	1,543		1,543
Reinforcement Bars, Epoxy Coated	Pound	2,830		2,830
Bar Splicers	Each	44		44
Preformed Joint Strip Seal	Foot	161		161
Concrete Sealer	Sq Ft		237	237
Cleaning Bridge Scuppers And Downspouts	Each	4		4
Bridge Deck Latex Concrete Overlay, 2 1/4 Inches	Sq Yd	1,510		1,510
Bridge Deck Scarification 3/4"	Sq Yd	1,510		1,510
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft		237	237
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1		1
Drainage Scuppers To Be Adjusted	Each	4		4

MODEL: Default
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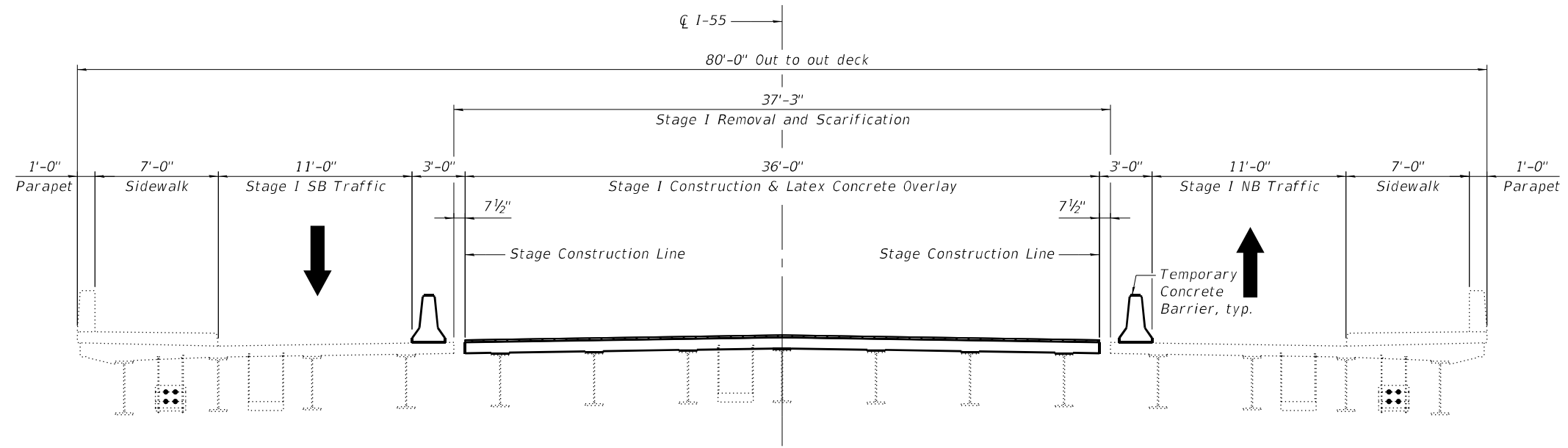
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PLOT DATE =	CHECKED - LM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

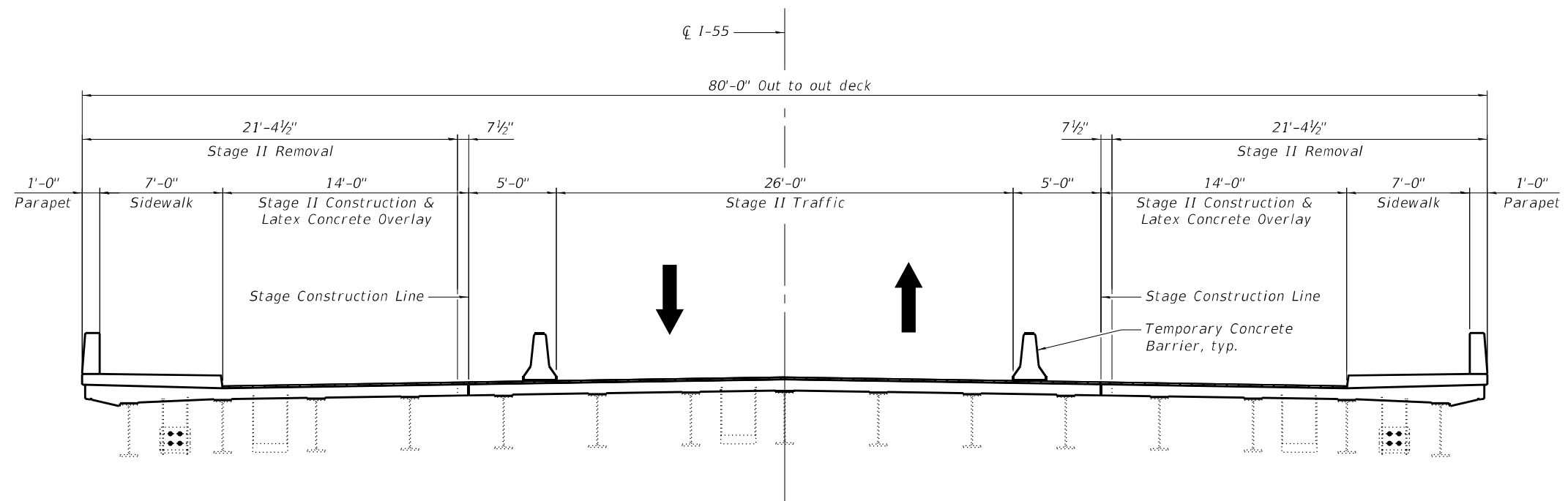
**GENERAL DATA
STRUCTURE NO. 016-0184**

SHEET 2 OF 14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	27
CONTRACT NO. 62T49				
		ILLINOIS	FED. AID PROJECT	



STAGE I
(Looking North)



STAGE II
(Looking North)

MODEL: Default
FILE NAME: DS130422-sh1-016-0184-03-StageConstruction



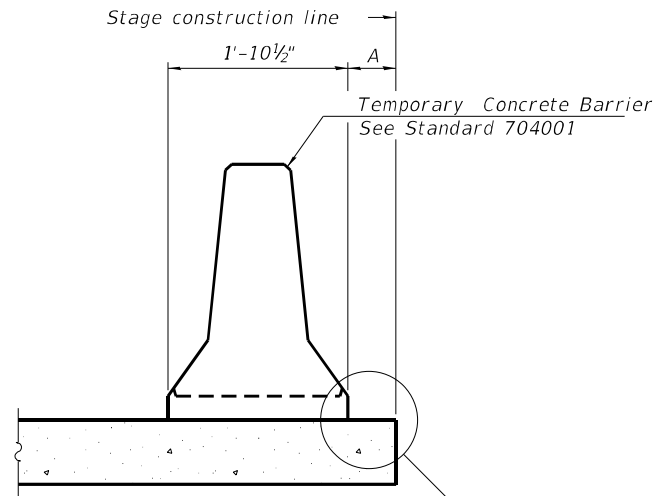
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	CHECKED - LM	REVISED -
PLOT SCALE =	DRAWN - JJM	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION STAGING
STRUCTURE NO. 016-0184

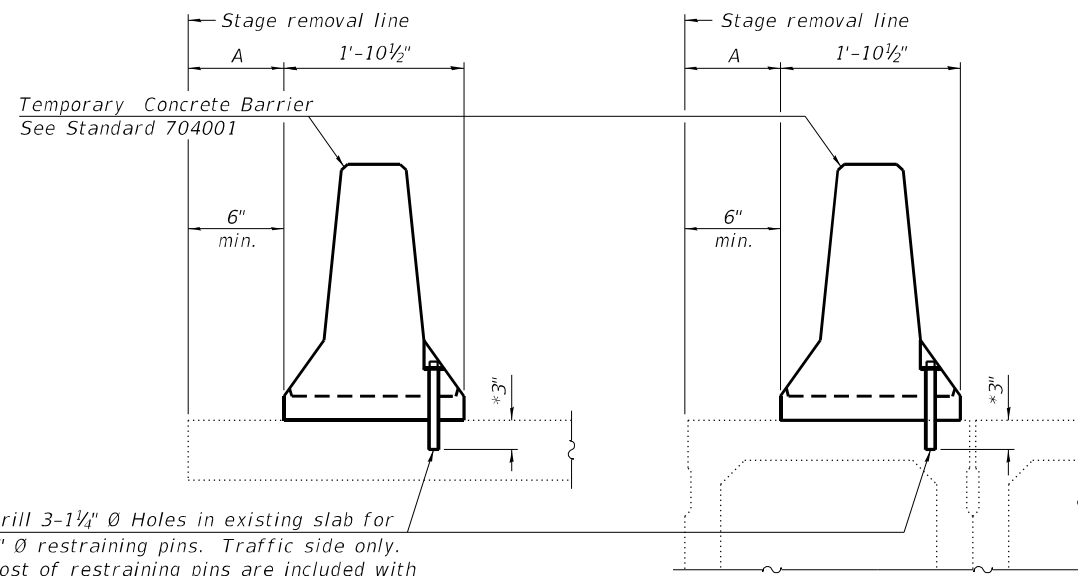
SHEET 3 OF 14 SHEETS

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	28
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

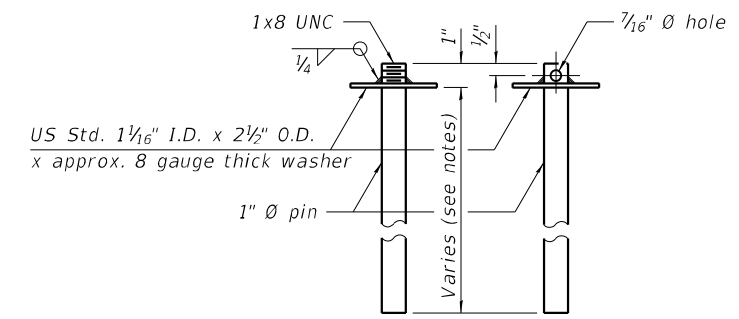
NEW SLAB OR NEW DECK BEAM



Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

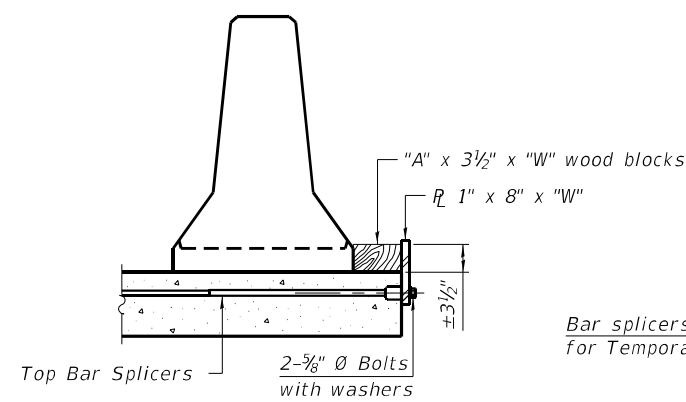
EXISTING SLAB

EXISTING DECK BEAM

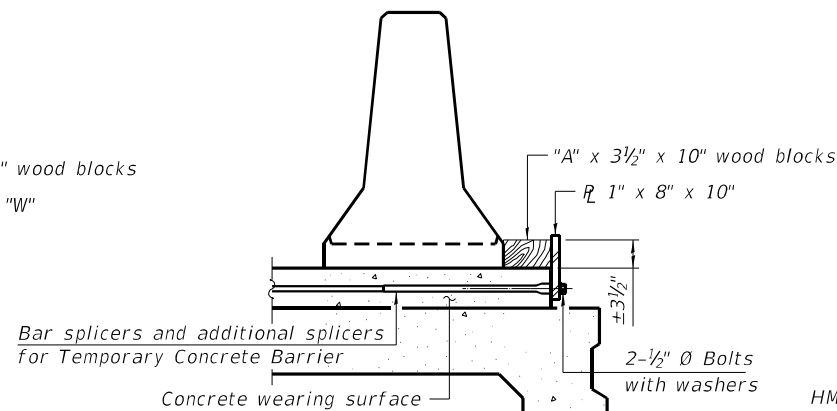


RESTRAINING PIN

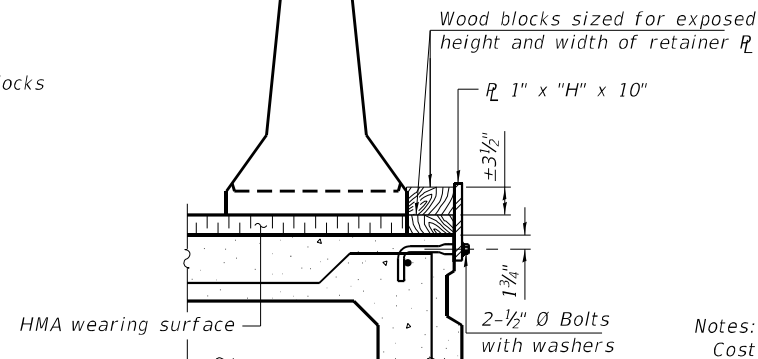
SECTIONS THRU SLAB OR DECK BEAM



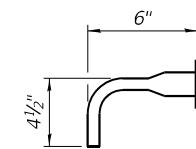
DETAIL I



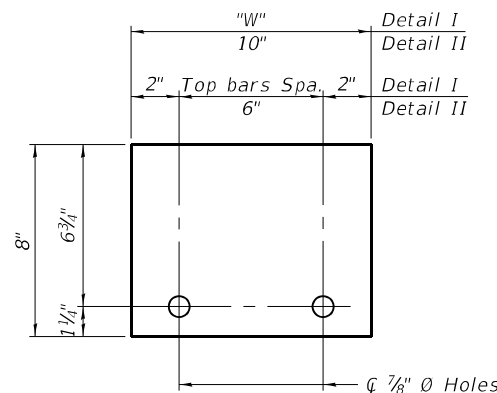
DETAIL II



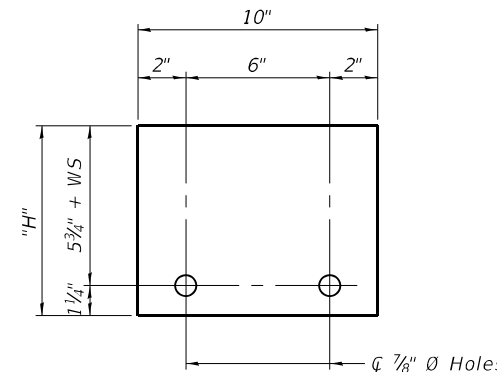
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W" (Detail I and II)



STEEL RETAINER R 1" x "H" x 10" (Detail III)

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate □ of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.
 Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
 Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 5-15-2023

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 016-0184

SHEET 4 OF 14 SHEETS

FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	29
CONTRACT NO. 62T49				

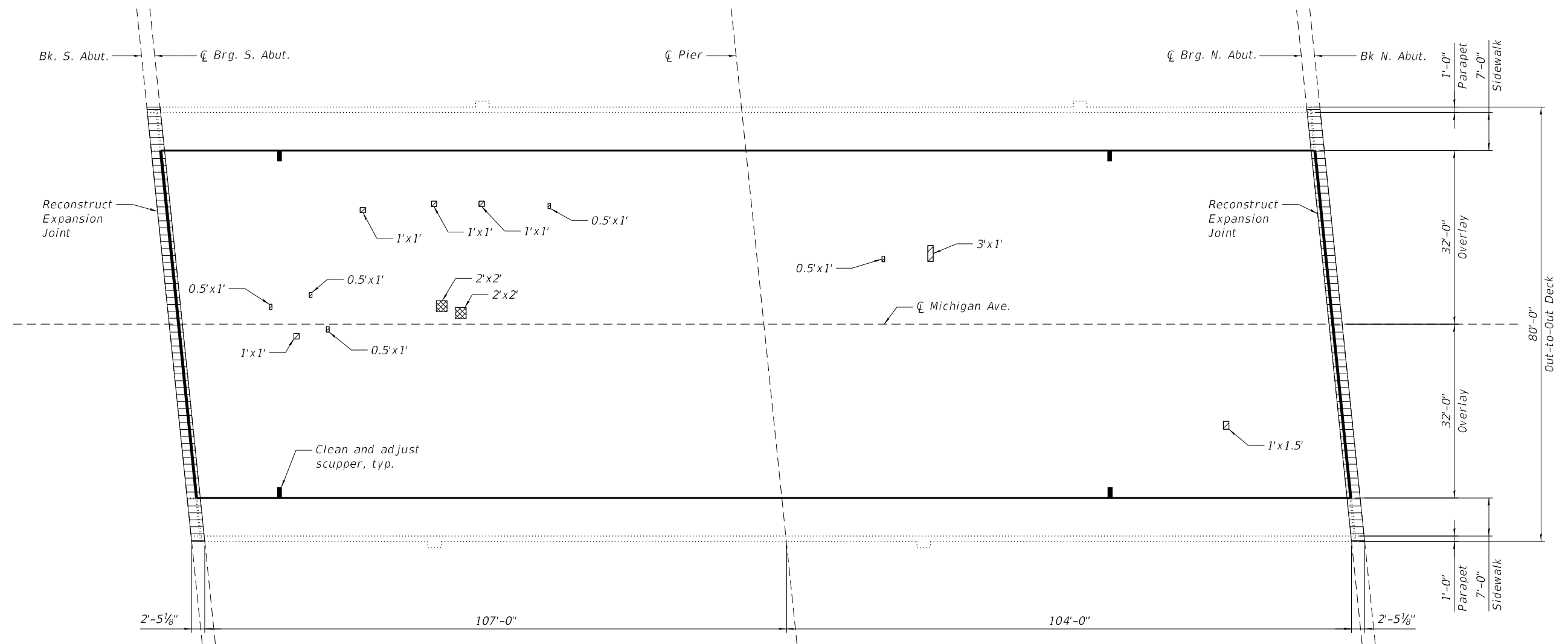
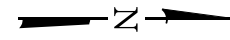
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PLOT SCALE =	CHECKED - LM	REVISED -
PLOT DATE =	DRAWN - JJM	REVISED -
	CHECKED - LM	REVISED -

NOTES

- Deck slab repair areas are estimated based on an inspection conducted by IDOT and a visual inspection conducted in September 2023. Actual repair areas and locations shall be determined in the field by the Engineer and noted in the As-Built Plans.
- Areas of Deck Slab Repair (Partial Depth) will not be measured for payment and shall be included with the cost of Bridge Deck Latex Concrete Overlay.
- For Details on Expansion Joint Removal and Replacement, see sheet 7 and 8 of 14.
- For Drainage Scupper Adjustment details, see sheet 6 of 14.



PLAN

LEGEND

- Expansion Joint Reconstruction
- Deck Slab Repair (Partial Depth) (For Information Only)
- Deck Slab Repair (Full Depth)

BILL OF MATERIAL

Item	Unit	Total
Bridge Deck Latex Concrete Overlay, 2 1/4" Inches	Sq Yd	1,510
Bridge Deck Scarification 3/4"	Sq Yd	1,510
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1

MODEL: Default
FILE NAME: D:\130422-shr-016-0184-05-DeckRepairPlan



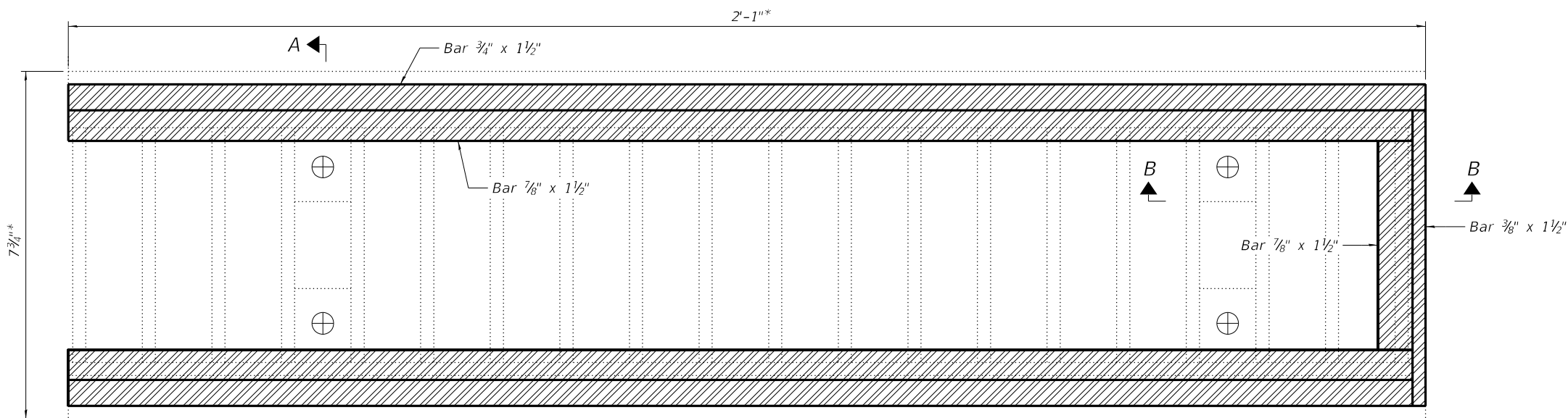
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PLOT DATE =	CHECKED - LM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK REPAIR AND OVERLAY PLAN
STRUCTURE NO. 016-0184**

SHEET 5 OF 14 SHEETS

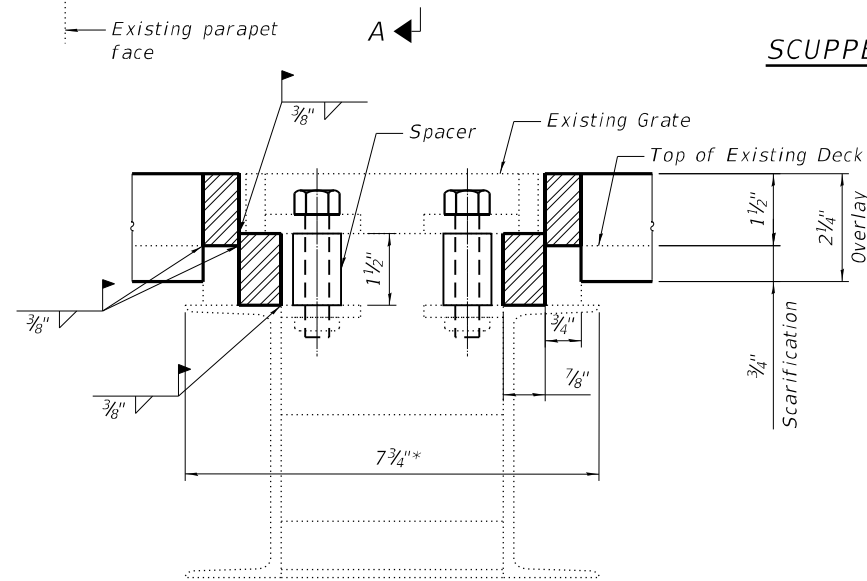
FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	30
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36. The adjusting scupper ring shall be galvanized.
 Bolts shall be 1/2"Ø, AASHTO M164 Type I, mechanically galvanized.
 The contractor shall ensure that no damage is done to existing grates to be reused.
 Shop plans for proposed adjusting scupper ring shall be submitted for approval prior to fabrication.

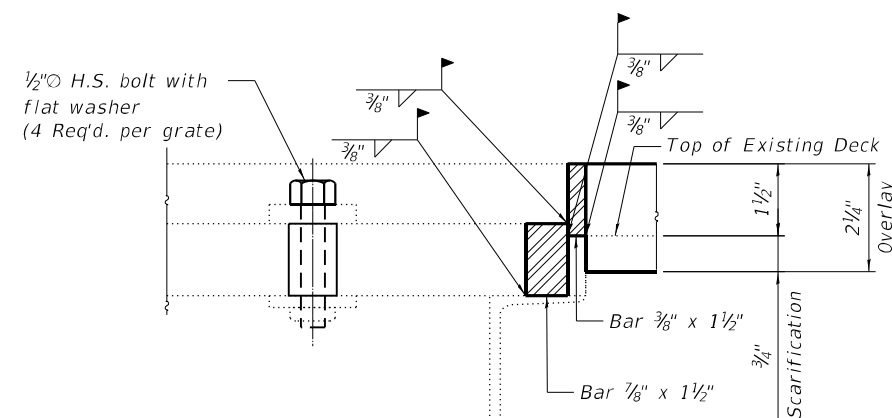
SCUPPER PLAN TYPE A



LEGEND



SECTION A-A



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Drainage Scuppers to be Adjusted	Each	4
Cleaning Bridge Scuppers and Downspouts	Each	4

MODEL: Default
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USER NAME =	DESIGNED - JJM	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

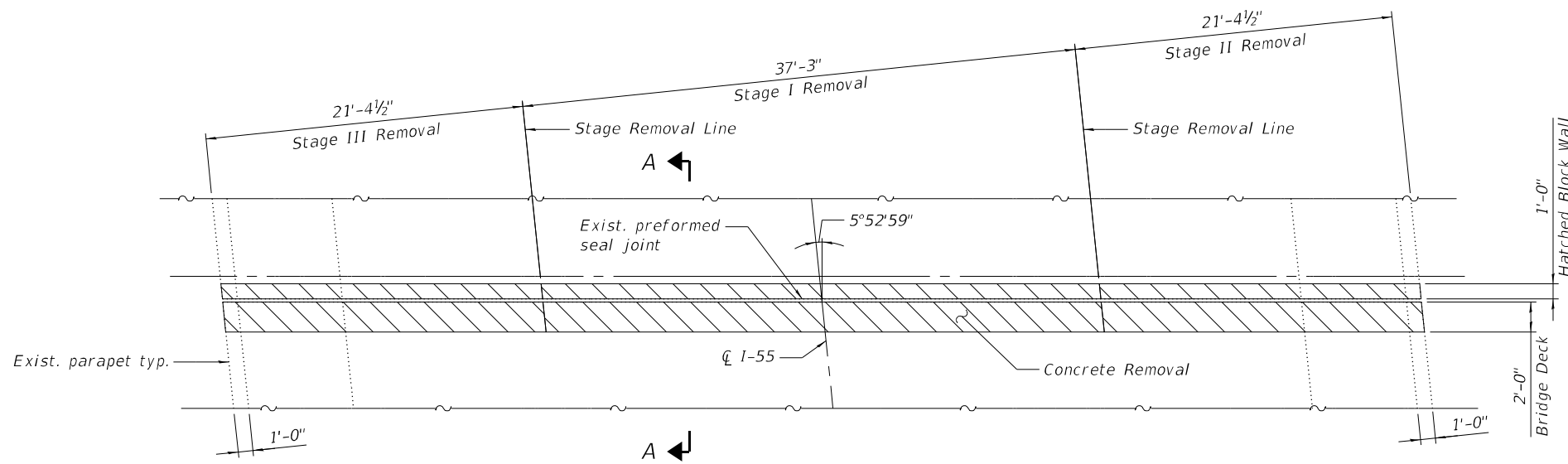
**DRAINAGE SCUPPER ADJUSTMENT DETAILS
 STRUCTURE NO. 016-0184**

SHEET 6 OF 14 SHEETS

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	31
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				

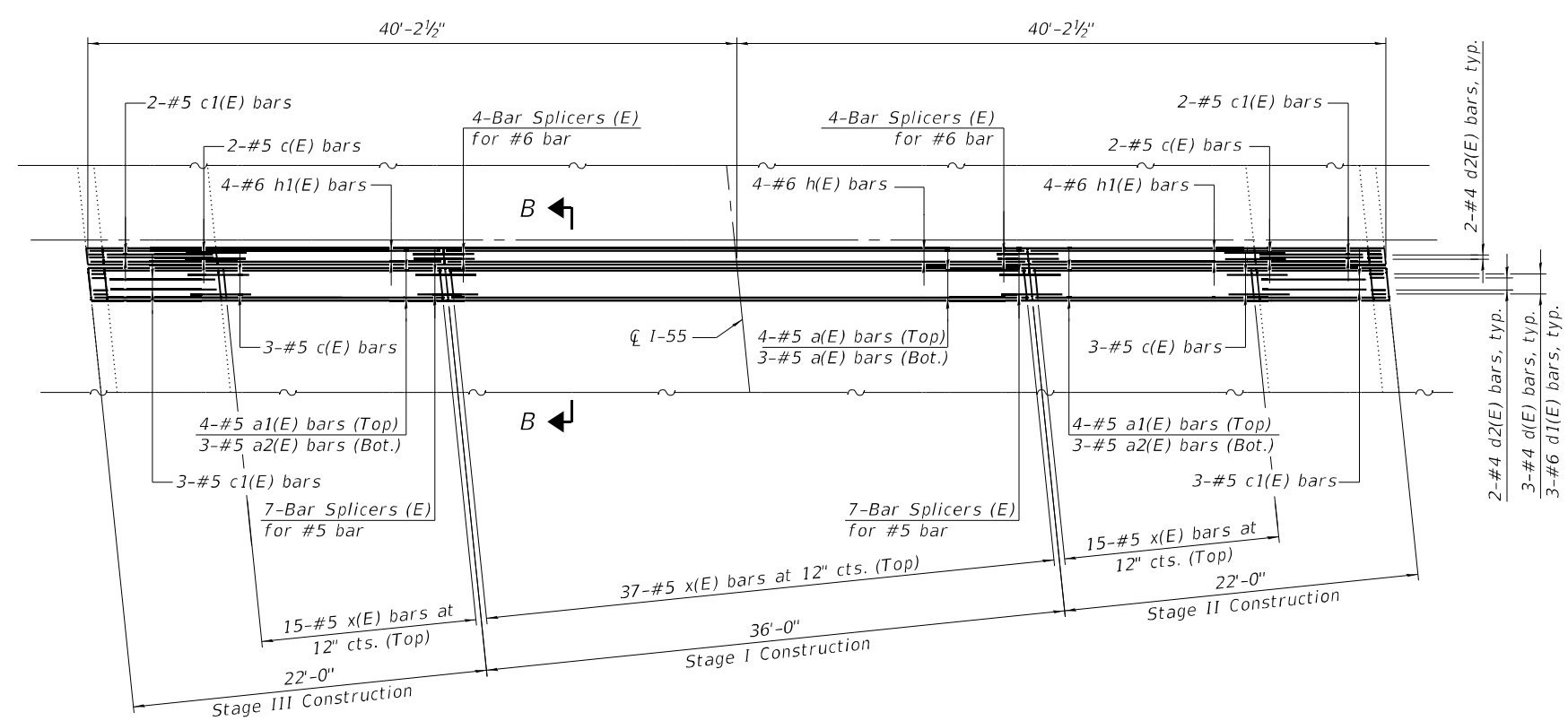
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	14	#5	35'-8"	—
a1(E)	16	#5	21'-8"	—
a2(E)	12	#5	20'-3"	—
c(E)	20	#5	2'-5"	└
c1(E)	20	#5	7'-6"	—
d(E)	12	#4	4'-5"	└
d1(E)	12	#6	4'-4"	└
d2(E)	16	#4	2'-0"	┐
h(E)	8	#6	35'-8"	—
h1(E)	16	#6	21'-8"	—
x(E)	134	#5	2'-10"	└
Item		Unit	Total	
Concrete Removal		Cu Yd	21.9	
Concrete Superstructure		Cu Yd	23.7	
Reinforcement Bars, Epoxy Coated		Pound	2,830	

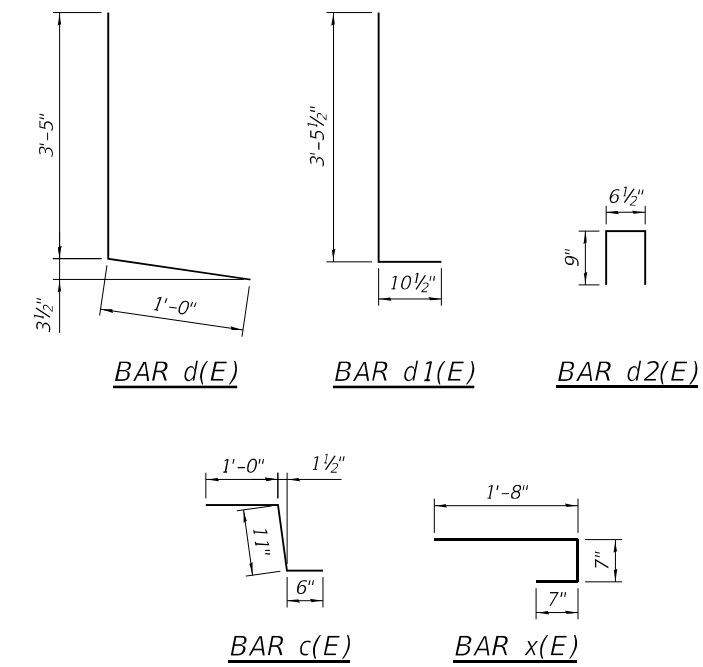


JOINT REMOVAL PLAN
(South Abutment shown, North Abutment similar)

MINIMUM BAR LAP
#5 bar = 3'-1"
#6 bar = 3'-7"



JOINT RECONSTRUCTION PLAN
(South Abutment shown, North Abutment similar)



- NOTES:**
1. Removal and disposal of existing expansion joint shall be included with the cost of Concrete Removal.
 2. The North and South Abutment Preformed Joint Strip Seal shall be per the details labeled (FOR SKEWS ≤ 30°) on Sheet 9 of 14 thru 11 of 14.

MODEL: Default
FILE NAME: DS130422-shr-016-0184-07-Exp11Plan



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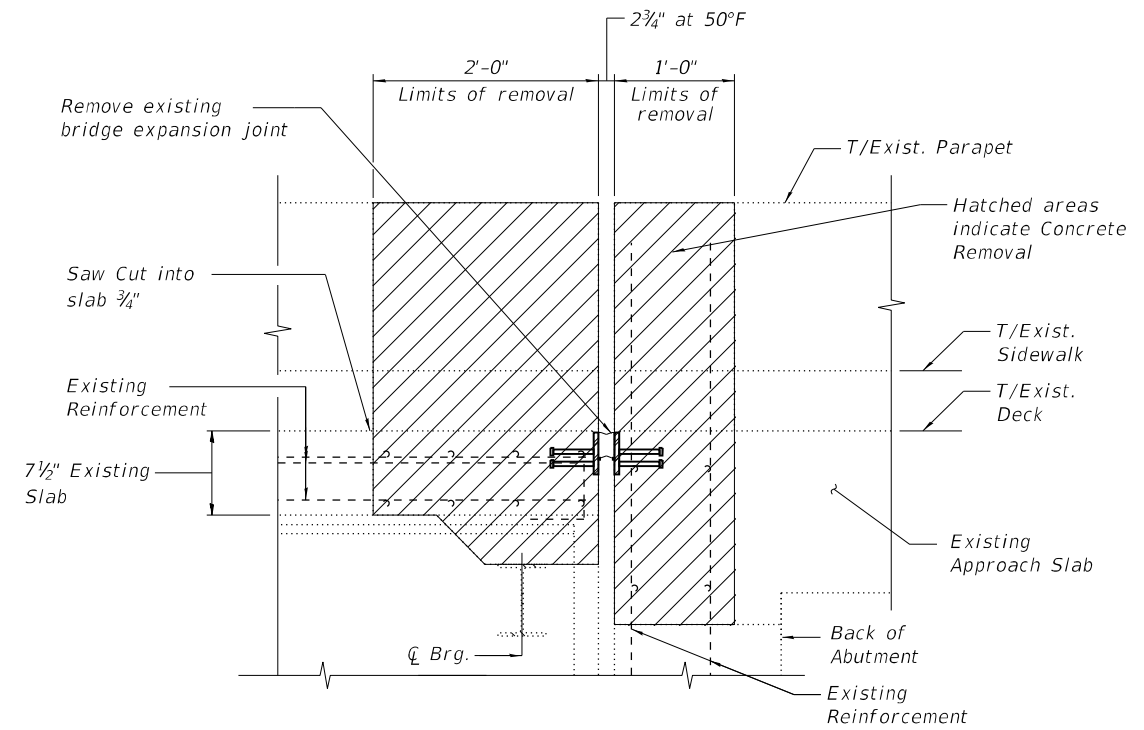
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT EXPANSION JOINT REPLACEMENT
STRUCTURE NO. 016-0184**

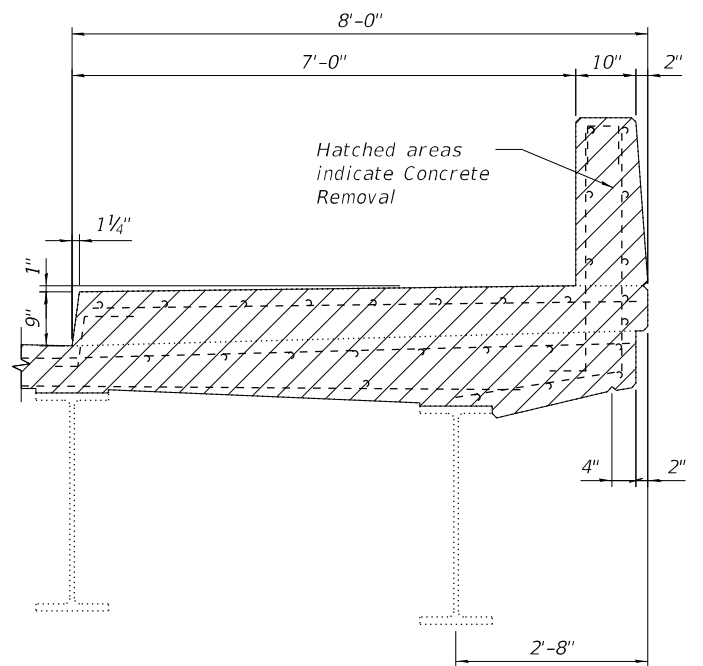
SHEET 7 OF 14 SHEETS

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	32
CONTRACT NO. 62T49				

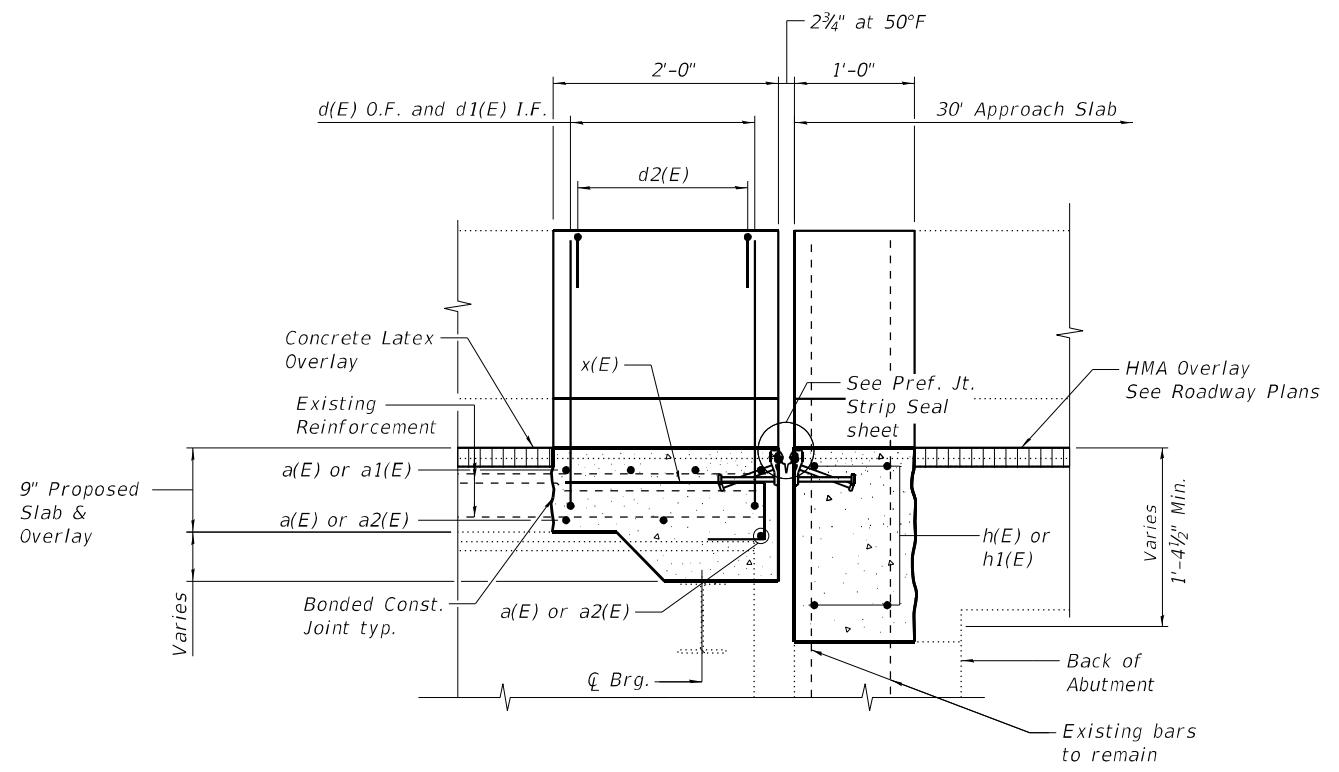
ILLINOIS FED. AID PROJECT



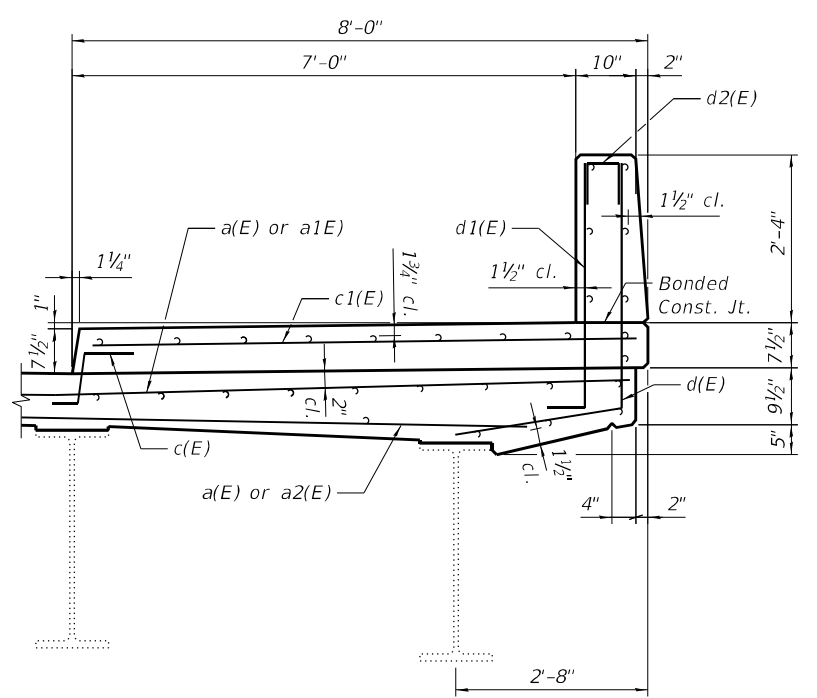
SECTION A-A



EXISTING SECTION THRU PARAPET



SECTION B-B



PROPOSED SECTION THRU PARAPET

MODEL: Default
FILE NAME: DS130422-sht-016-0184-08-ExpJtDetails



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CHECKED - LM	REVISIONS -	
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PLOT DATE =	CHECKED - LM	REVISED -

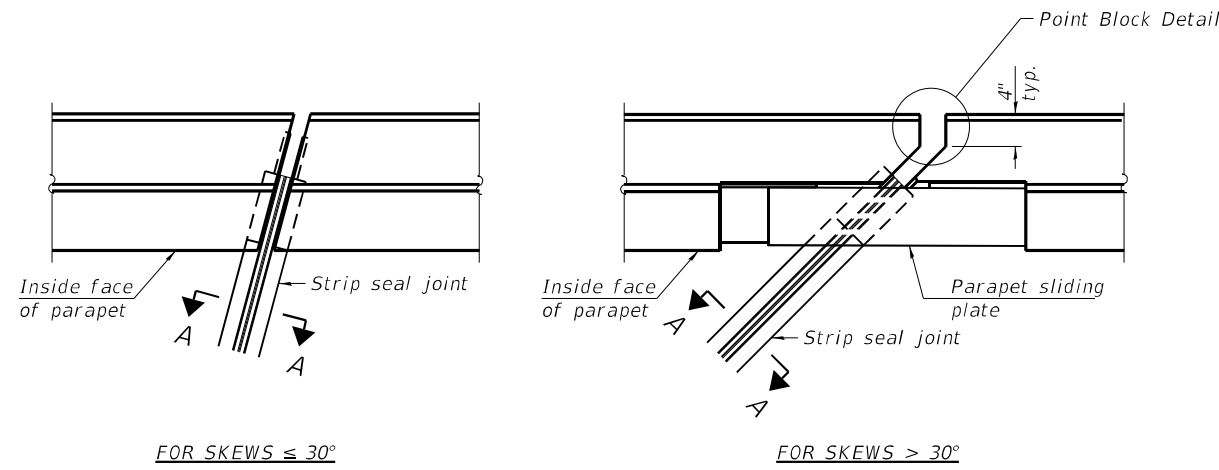
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT EXPANSION JOINT REPLACEMENT
STRUCTURE NO. 016-0184

SHEET 8 OF 14 SHEETS

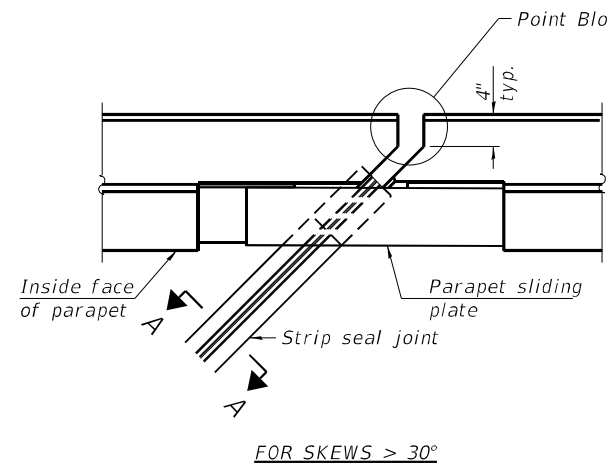
FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	33
CONTRACT NO. 62T49				

ILLINOIS FED. AID PROJECT

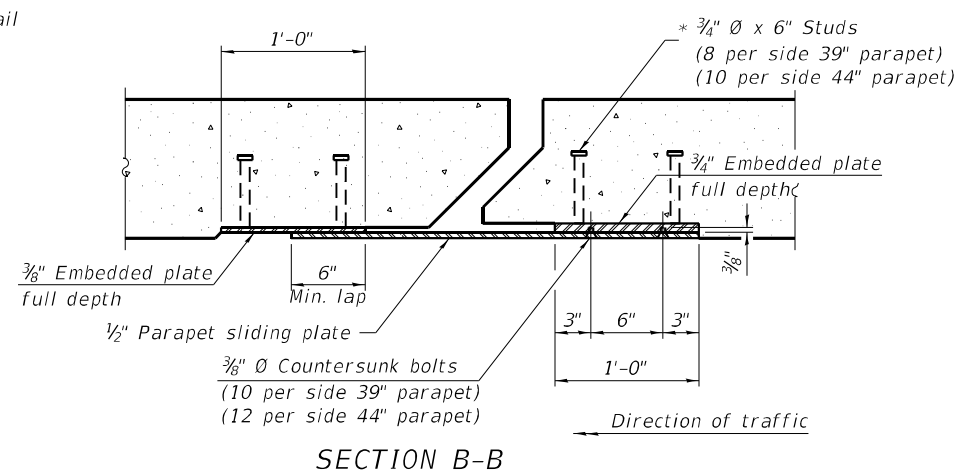


FOR SKEWS $\leq 30^\circ$

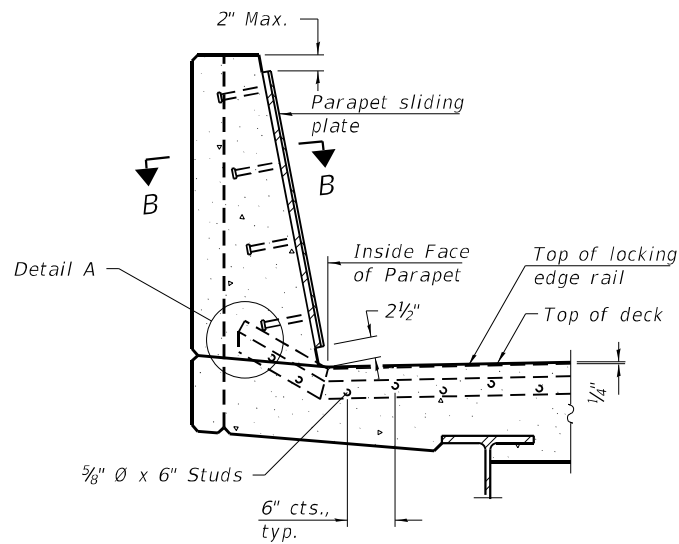
PLAN AT PARAPET



FOR SKEWS $> 30^\circ$

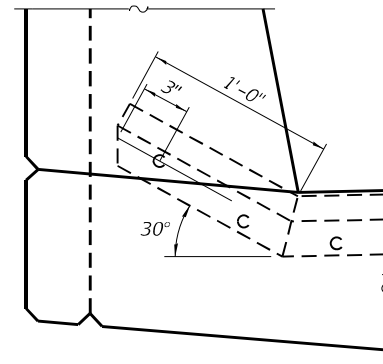


SECTION B-B

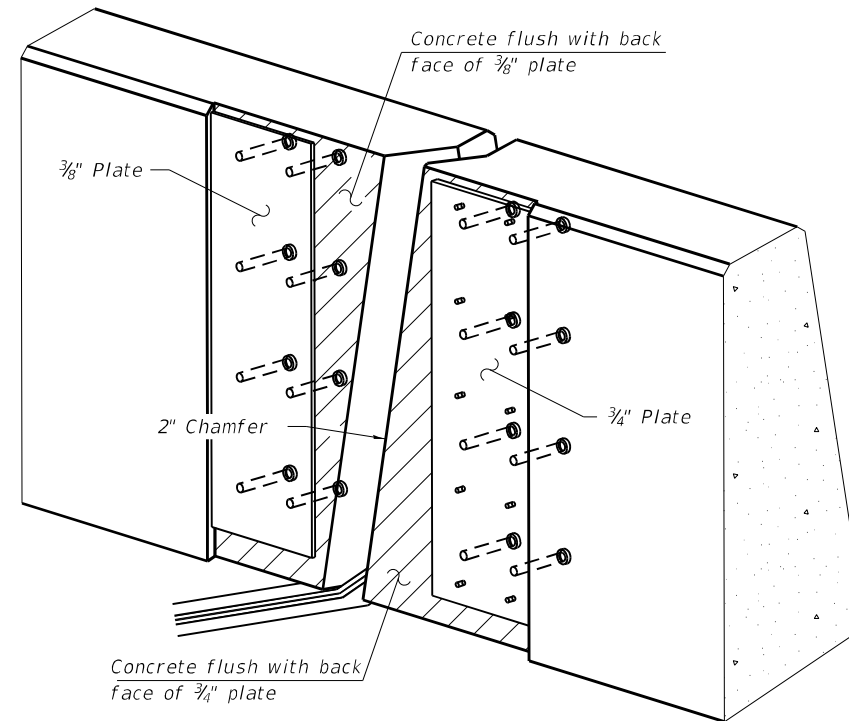


SECTION AT PARAPET

(Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)

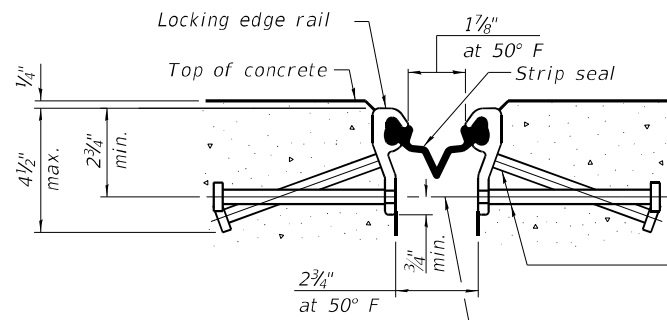


DETAIL A



TRIMETRIC VIEW

(Showing embedded plates only)



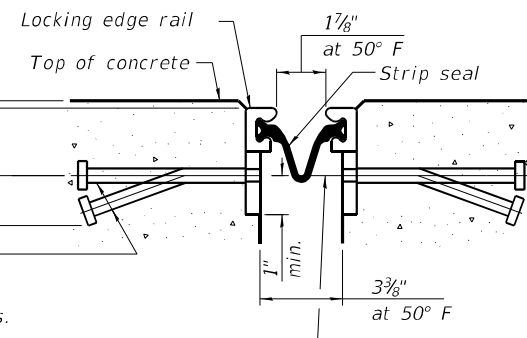
SHOWING ROLLED RAIL JOINT

* $3/8$ inch diameter x 6 inch studs @ 6 inch center to center. (alternate angled/bent studs with horizontal studs)

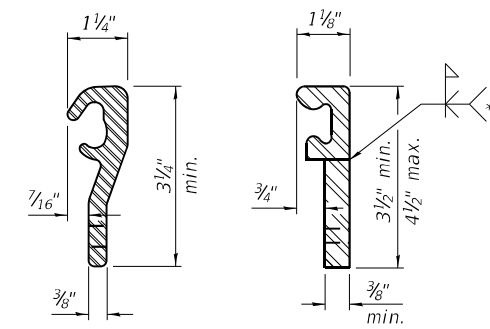
$3/8$ inch diameter threaded rods in $7/16$ inch diameter holes at ± 4 -0 inch center to center for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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



SHOWING WELDED RAIL JOINT

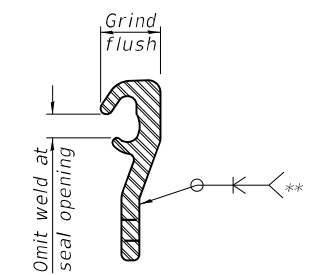


ROLLED (EXTRUDED) RAIL

WELDED RAIL

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	161

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of $1/4$ inch. 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 $4 1/2$ inch 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 $3/16$ inch 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 top surface of sidewalk sliding plates shall have a raised pattern according to ASTM A786.
 Cost of parapet sliding plates, sidewalk sliding plates, embedded plates, anchorage studs, and expansion anchors included with Preformed Joint Strip Seal.
 39" constant slope barrier shown, 44" constant slope barrier similar as noted.
 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. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

MODEL: Default
 FILE NAME: D9130422-sh1-016-0184-09-PreFormStripSeal_1

EJ-SS-S

5-15-2023

(Sheet 1 of 3)



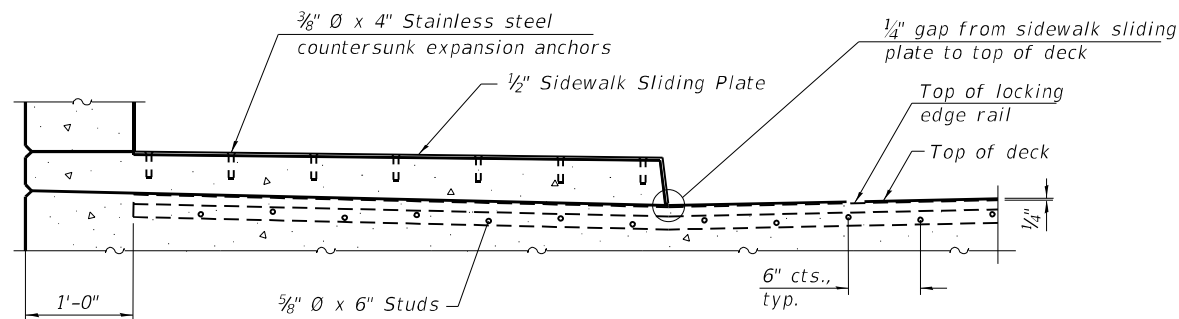
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

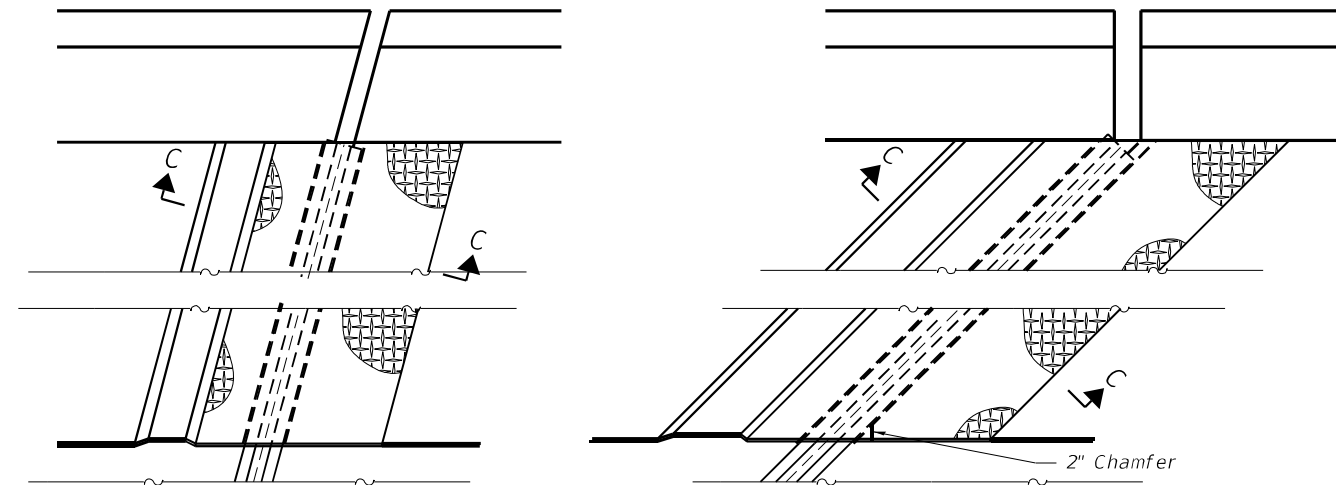
PREFORMED JOINT STRIP SEAL - SIDEWALK
 STRUCTURE NO. 016-0184

SHEET 9 OF 14 SHEETS

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	34
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



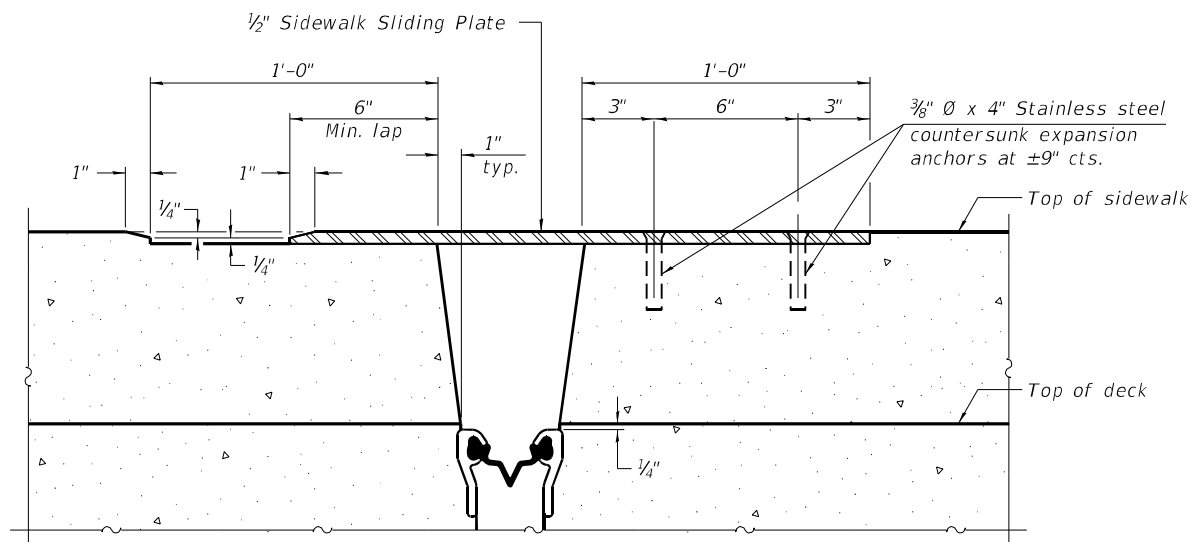
SECTION AT RAISED SIDEWALK



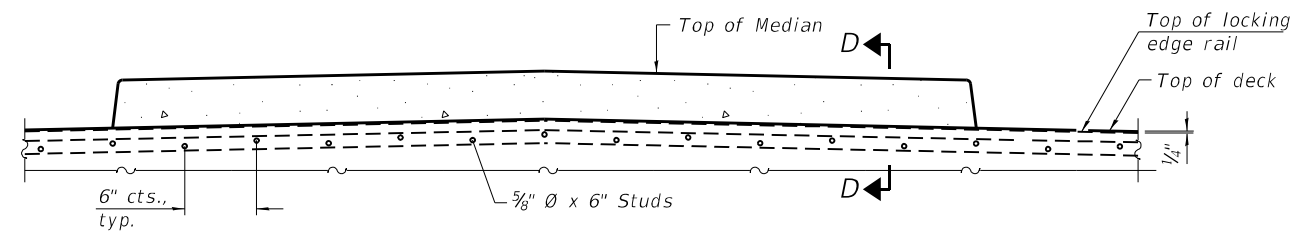
(FOR SKEWS $\leq 30^\circ$)

(FOR SKEWS $> 30^\circ$)

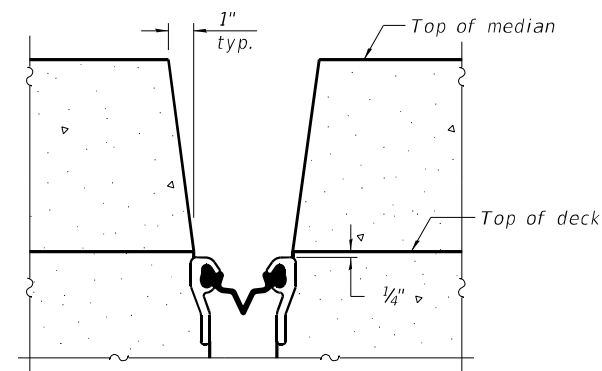
PLAN AT RAISED SIDEWALK



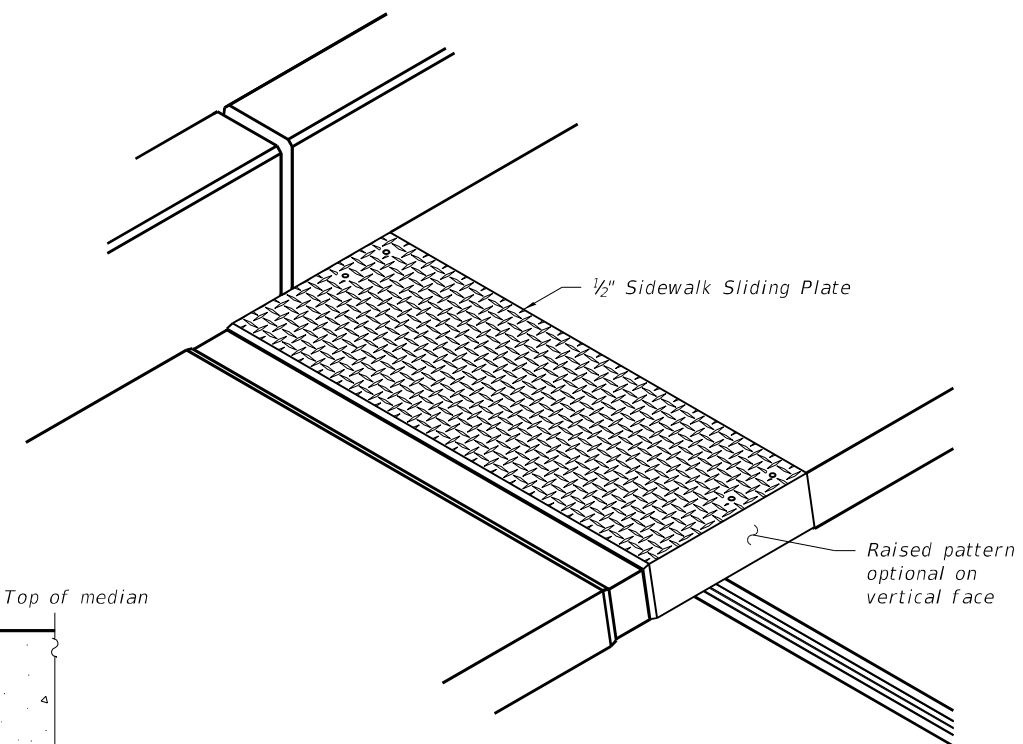
SECTION C-C



SECTION AT MEDIAN
For skews $> 30^\circ$, chamfer acute corners 2" similar to sidewalk.



SECTION D-D
(at Rt. L's)



TRIMETRIC VIEW

(Sheet 2 of 3)

MODEL: Default
FILE NAME: DS130422-sh1-016-0184-10-Pref11StripSeal_2

EJ-SS-S

5-15-2023



USER NAME =	DESIGNED - JJM	REVISED -
PLOT SCALE =	CHECKED - LM	REVISED -
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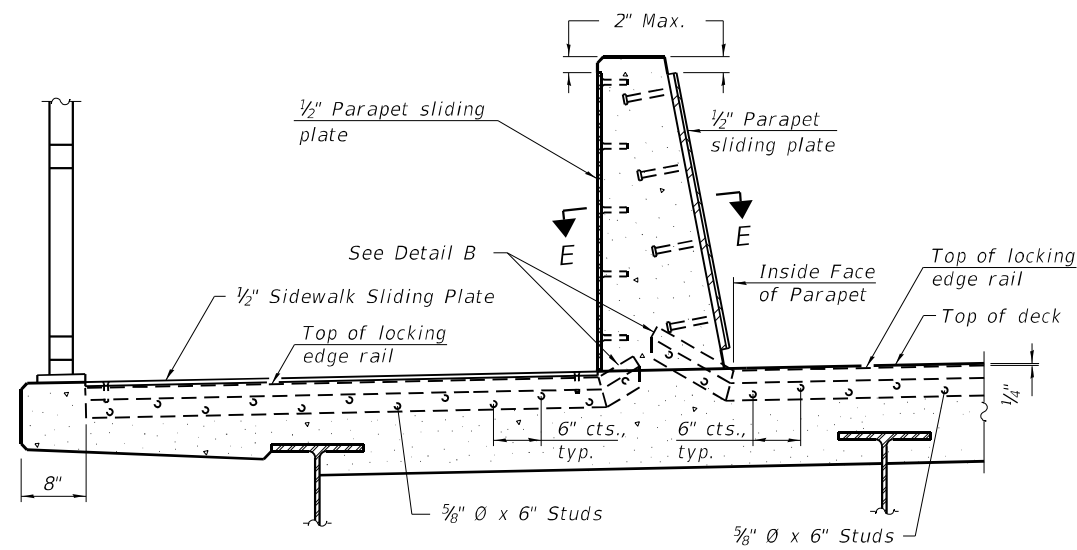
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 016-0184

SHEET 10 OF 14 SHEETS

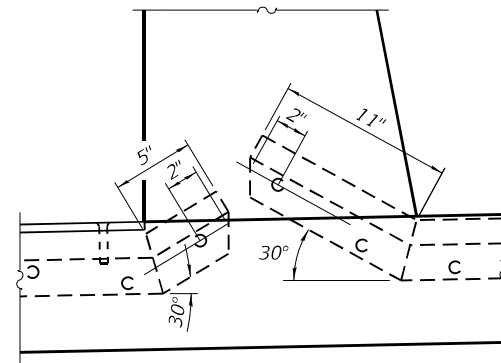
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	35
			CONTRACT NO. 62T49	
ILLINOIS FED. AID PROJECT				

5/6/2024 10:23:11 AM

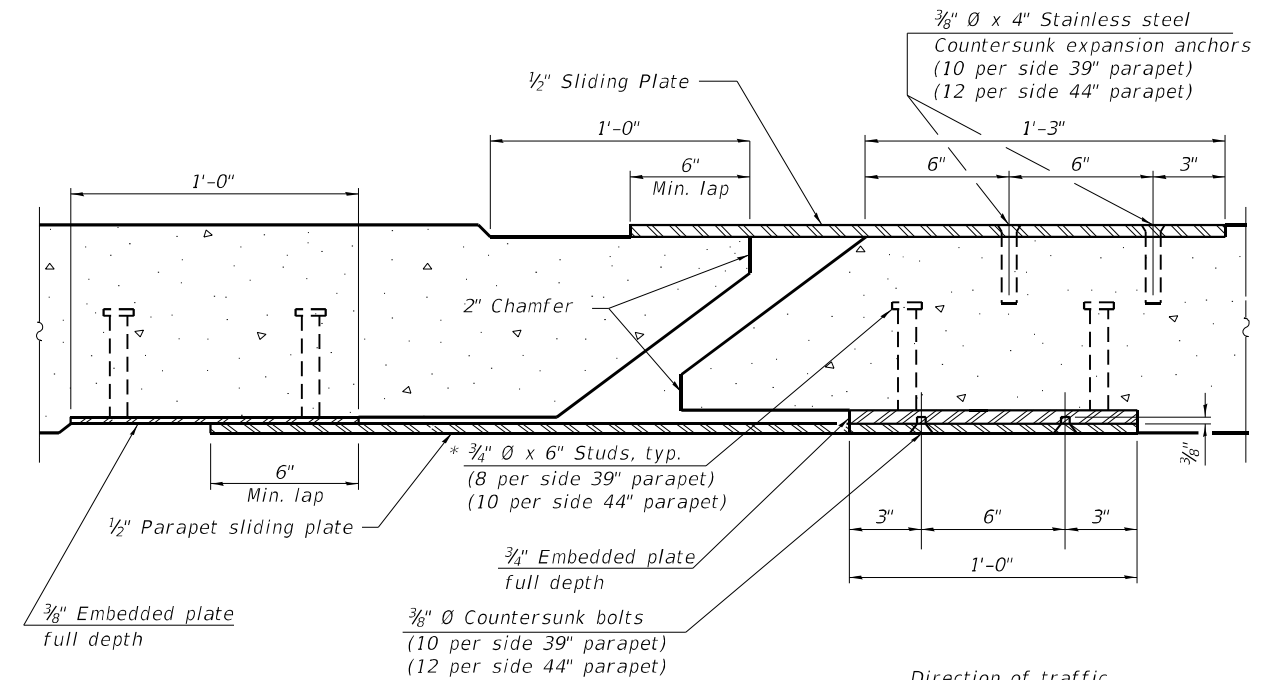


SECTION AT DECK LEVEL SIDEWALK

(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)

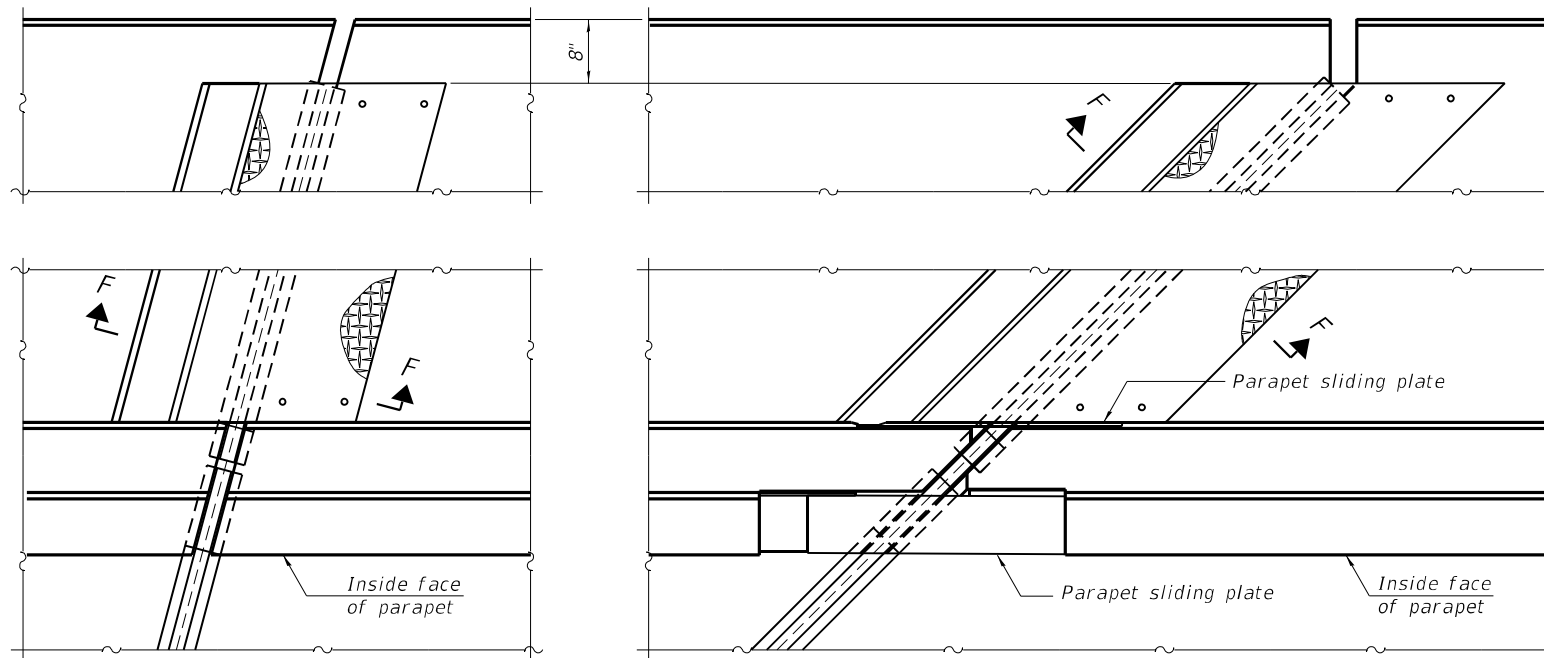


DETAIL B



SECTION E-E

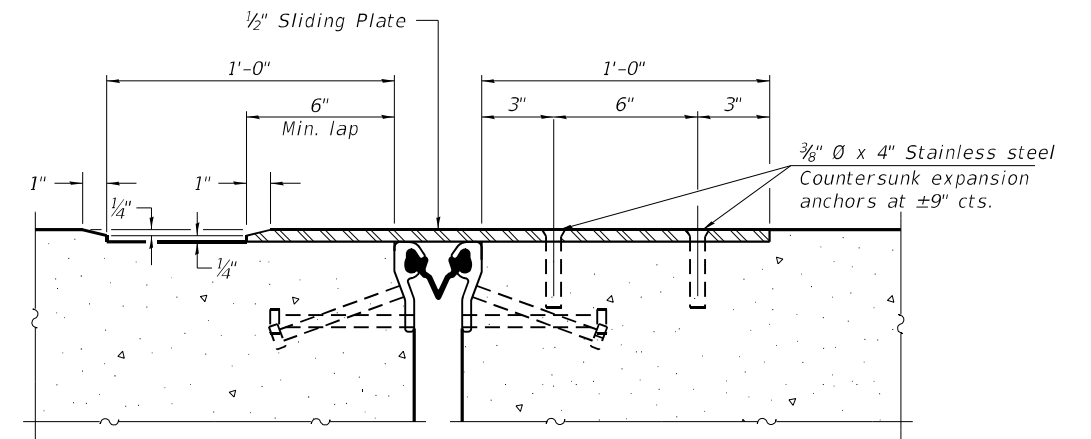
Direction of traffic



(FOR SKEWS ≤ 30°)

(FOR SKEWS > 30°)

PLAN AT DECK LEVEL SIDEWALK



SECTION F-F

EJ-SS-S

5-15-2023

(Sheet 3 of 3)

MODEL: Default
FILE NAME: DSI130422-shr-016-0184-11-PreFitStripSeal_3



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CHECKED - LM	CHECKED - LM	REVISED -
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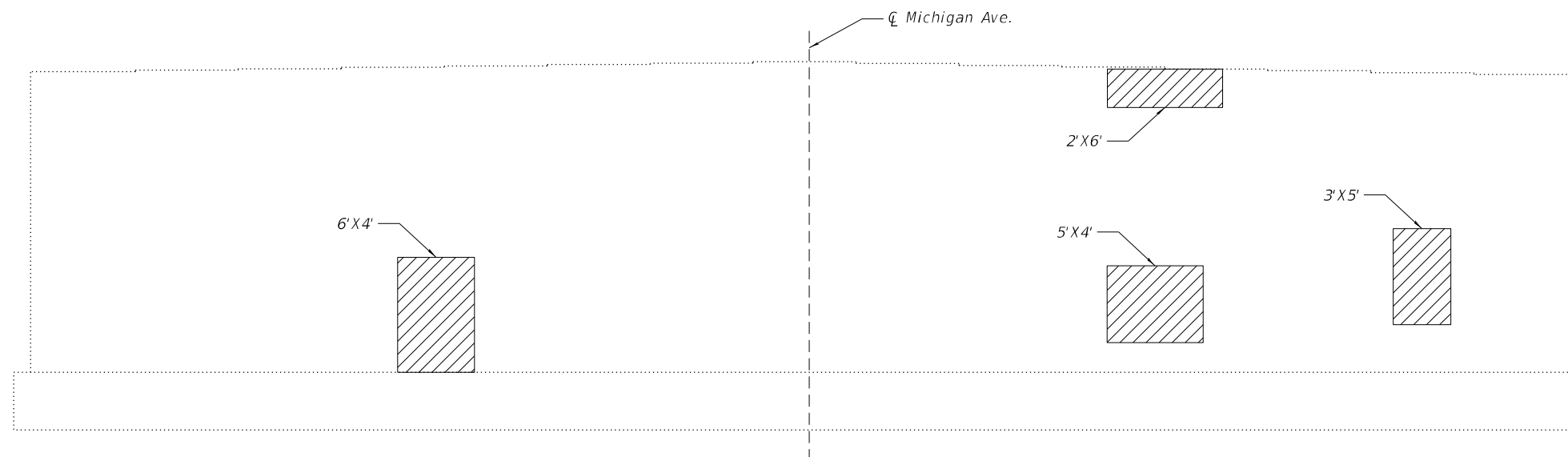
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 016-0184

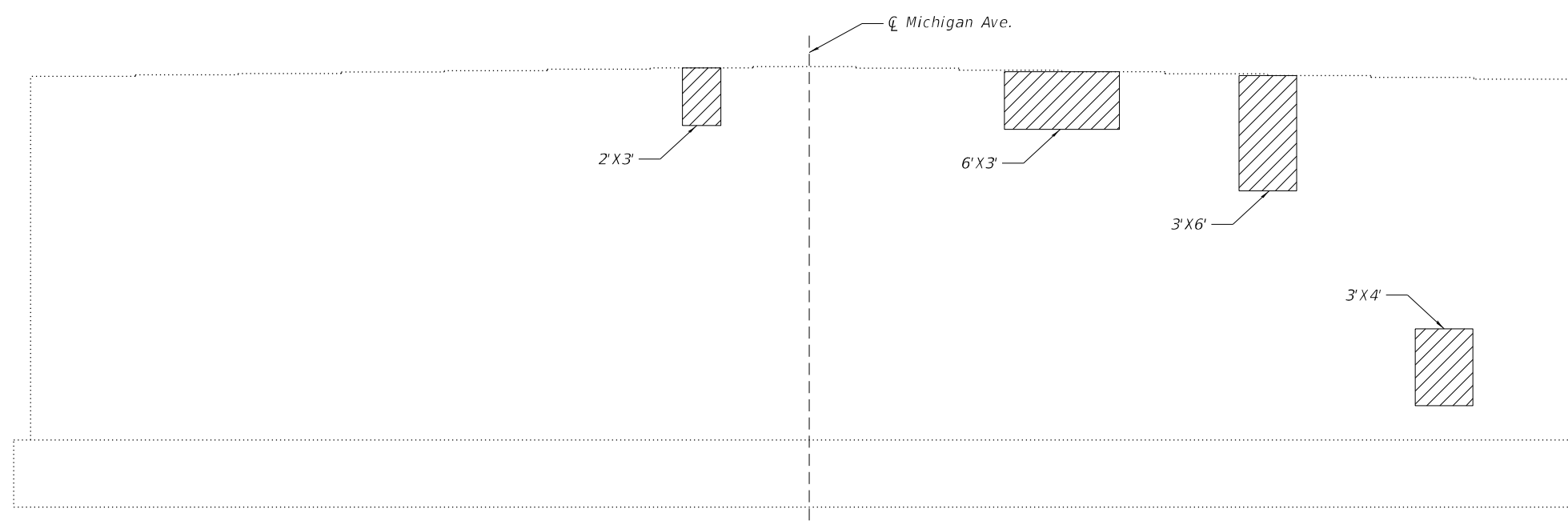
SHEET 11 OF 14 SHEETS

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	36
CONTRACT NO. 62T49				

ILLINOIS FED. AID PROJECT

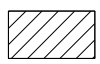


NORTH ABUTMENT ELEVATION
(Looking North)



SOUTH ABUTMENT ELEVATION
(Looking South)

NOTE
1. See sheet 13 of 14 for Bill of Material.

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

(Sheet 1 of 2)

MODEL: Default
FILE NAME: DS130422-sht-016-0184-12-AbutmentRepairs



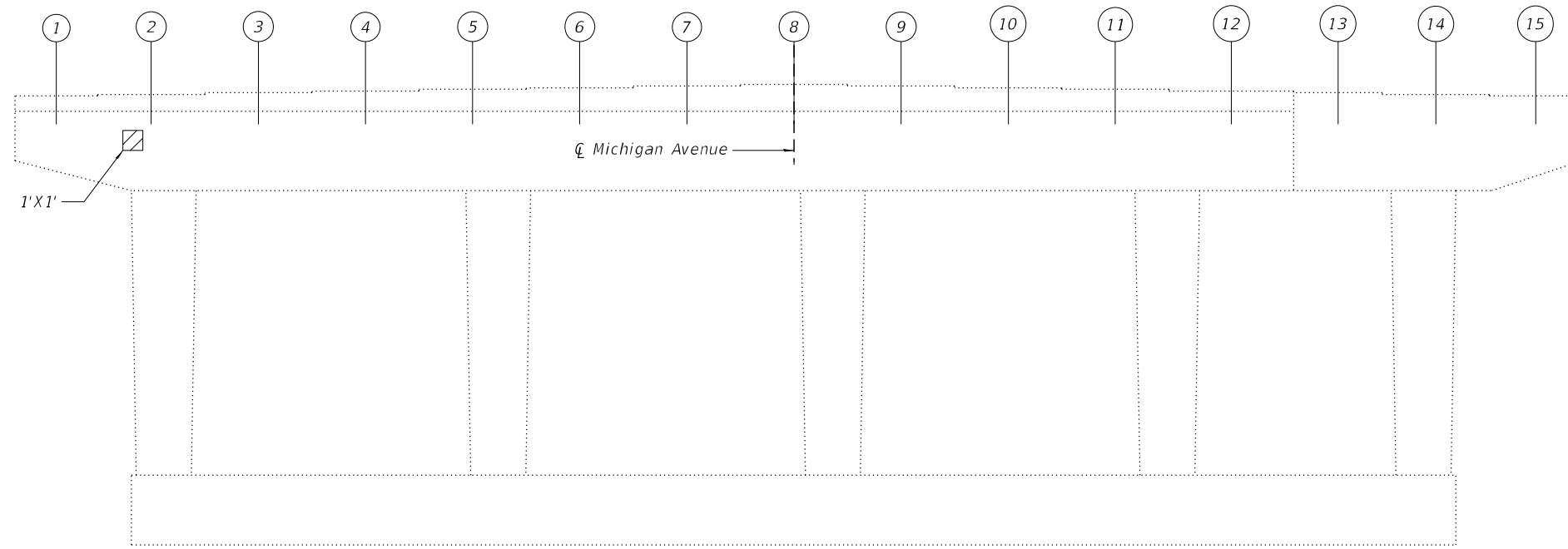
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PLOT DATE =	CHECKED - LM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

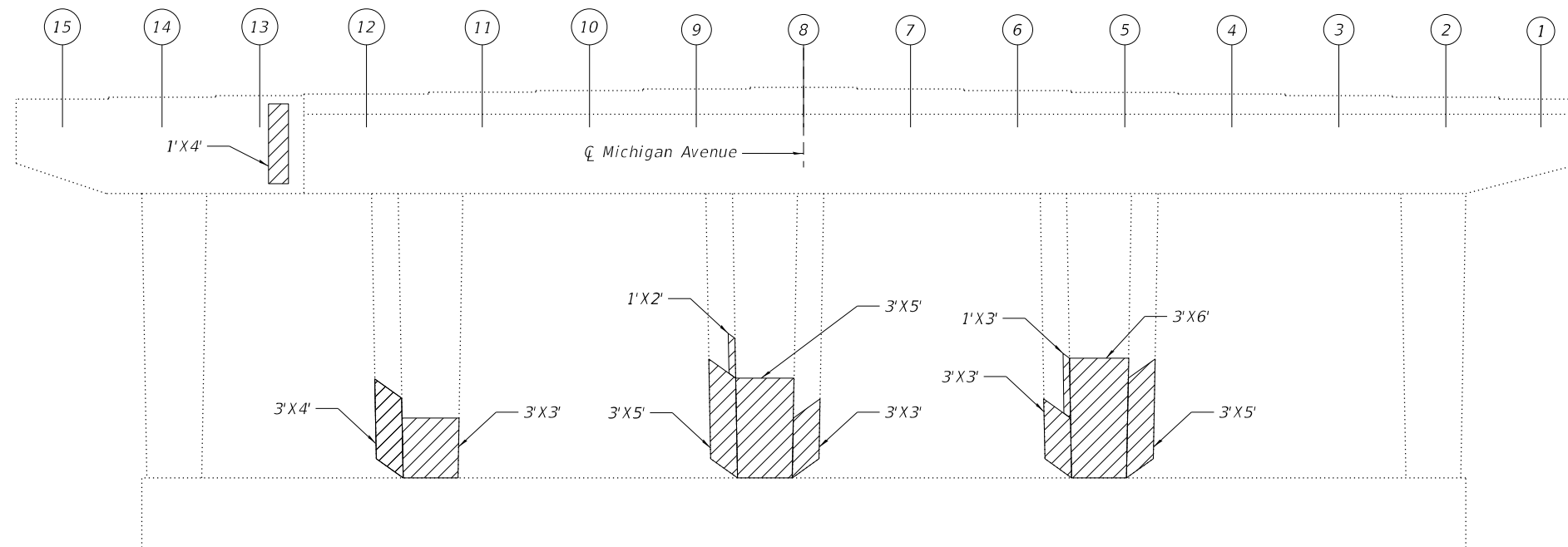
**SUBSTRUCTURE REPAIR DETAILS
STRUCTURE NO. 016-0184**

SHEET 12 OF 14 SHEETS

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	37
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



PIER SOUTH FACE
(Looking North)



PIER NORTH FACE
(Looking South)

LEGEND



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

BILL OF MATERIAL

Item	Unit	Total
Concrete Sealer	Sq Ft	237
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq Ft	237

(Sheet 2 of 2)

MODEL: Default
FILE NAME: DS130422-sh1-016-0184-13-PierRepairs



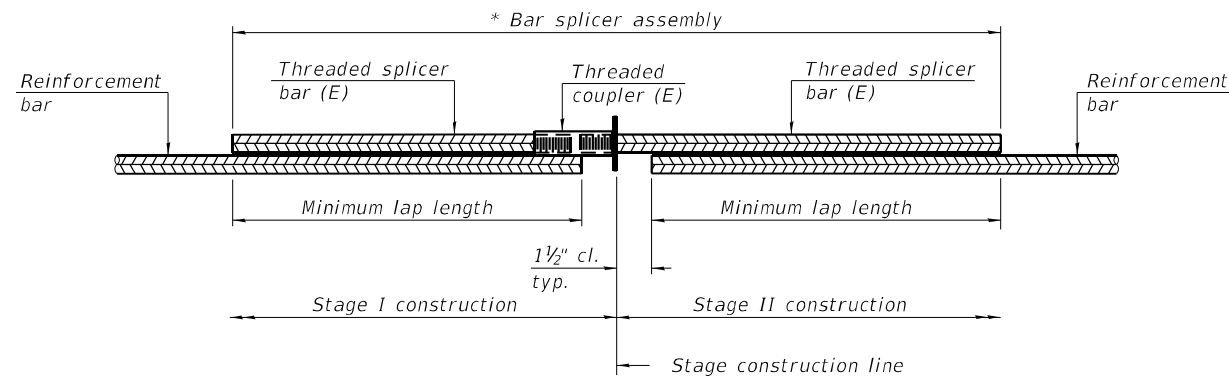
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIR DETAILS
STRUCTURE NO. 016-0184

SHEET 13 OF 14 SHEETS

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T49	



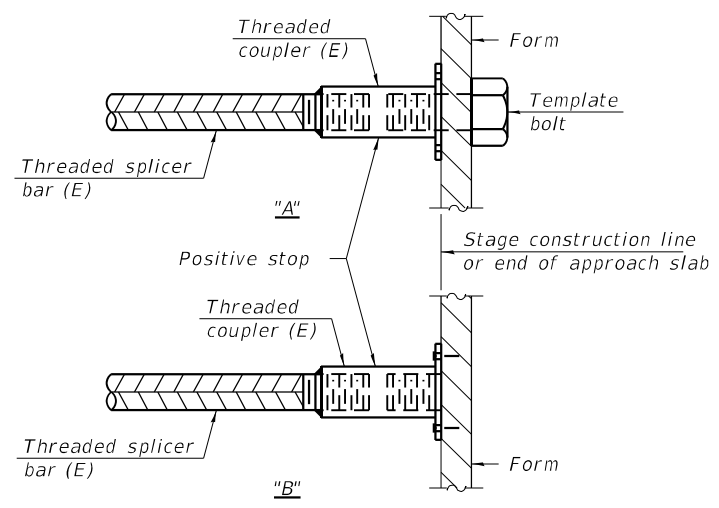
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

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

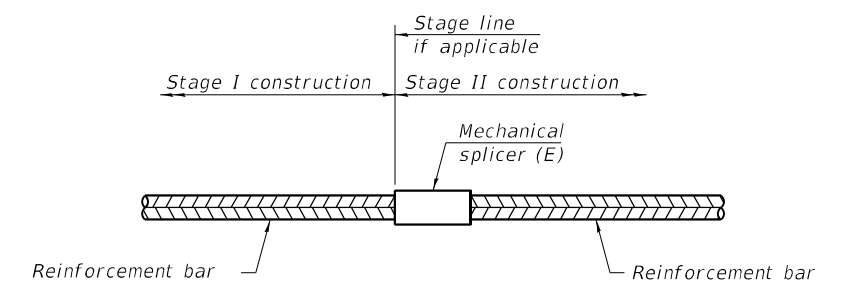
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
S. Abut	#5	14	3'-1"
S. Abut	#6	8	3'-7"
N. Abut	#5	14	3'-1"
N. Abut	#6	8	3'-7"



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.

MODEL: Default
FILE NAME: D9130422-sht-016-0184-14-BarSplicer

BSD-1 5-15-2023



USER NAME =	DESIGNED - JJM	REVISED -
	CHECKED - LM	REVISED -
PLOT SCALE =	DRAWN - JJM	REVISED -
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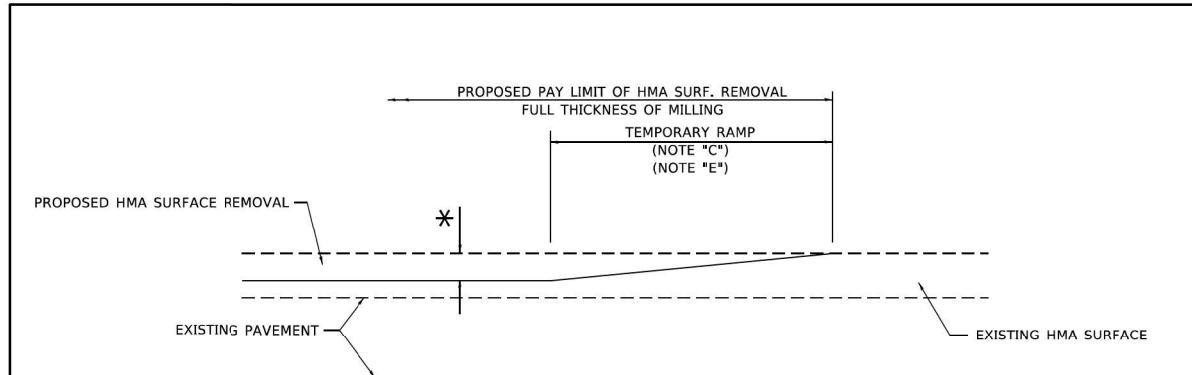
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 016-0184

SHEET 14 OF 14 SHEETS

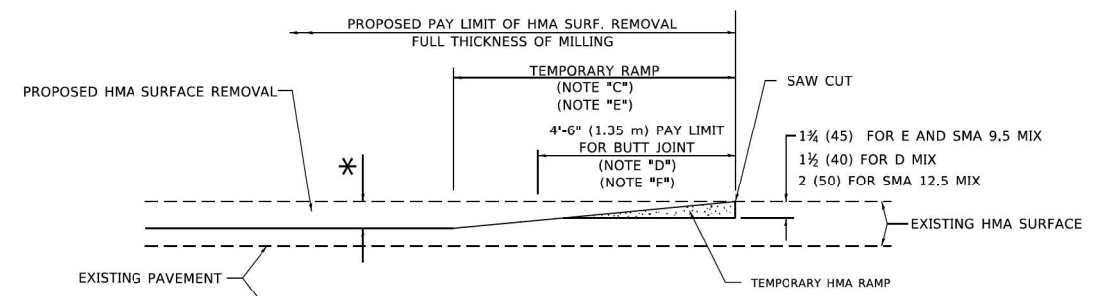
FAU-RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	39
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 62T49



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

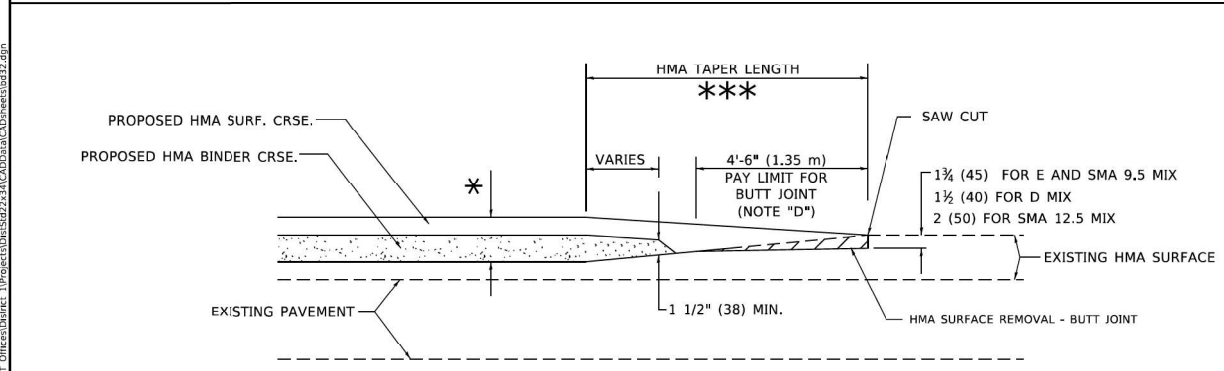
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

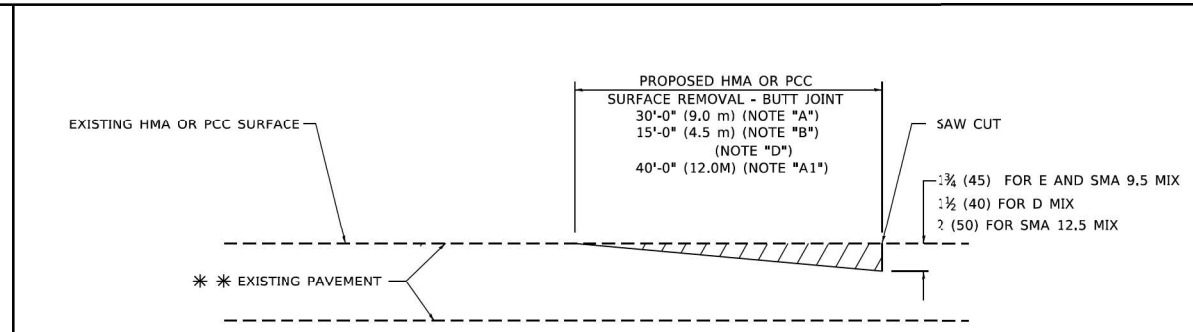
OPTION 2

TYPICAL TEMPORARY RAMP

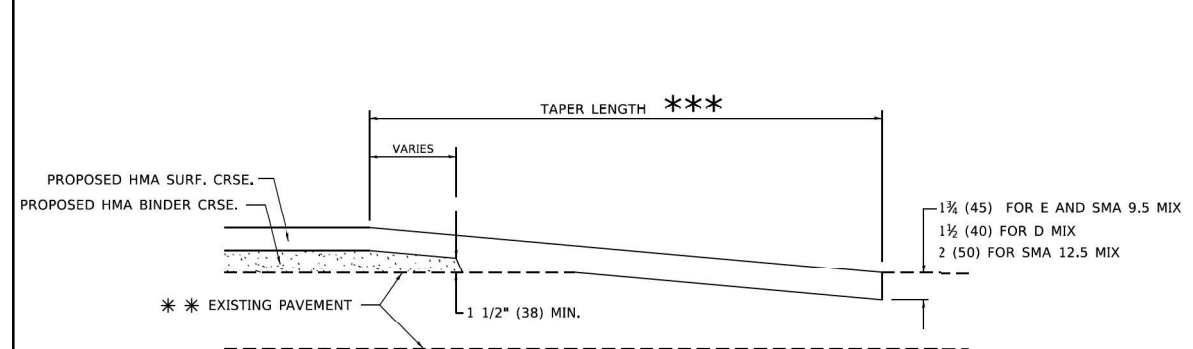


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

MODEL: D:\p\h\... FILE NAME: D:\30422\en\1\standard_01.dgn

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PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - R. BCRO 01-01-07
		REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET 1 OF 1 SHEETS		BD400-05 BD-32	CONTRACT NO.		
	STA. TO STA.	ILLINOIS FED. AID PROJECT				

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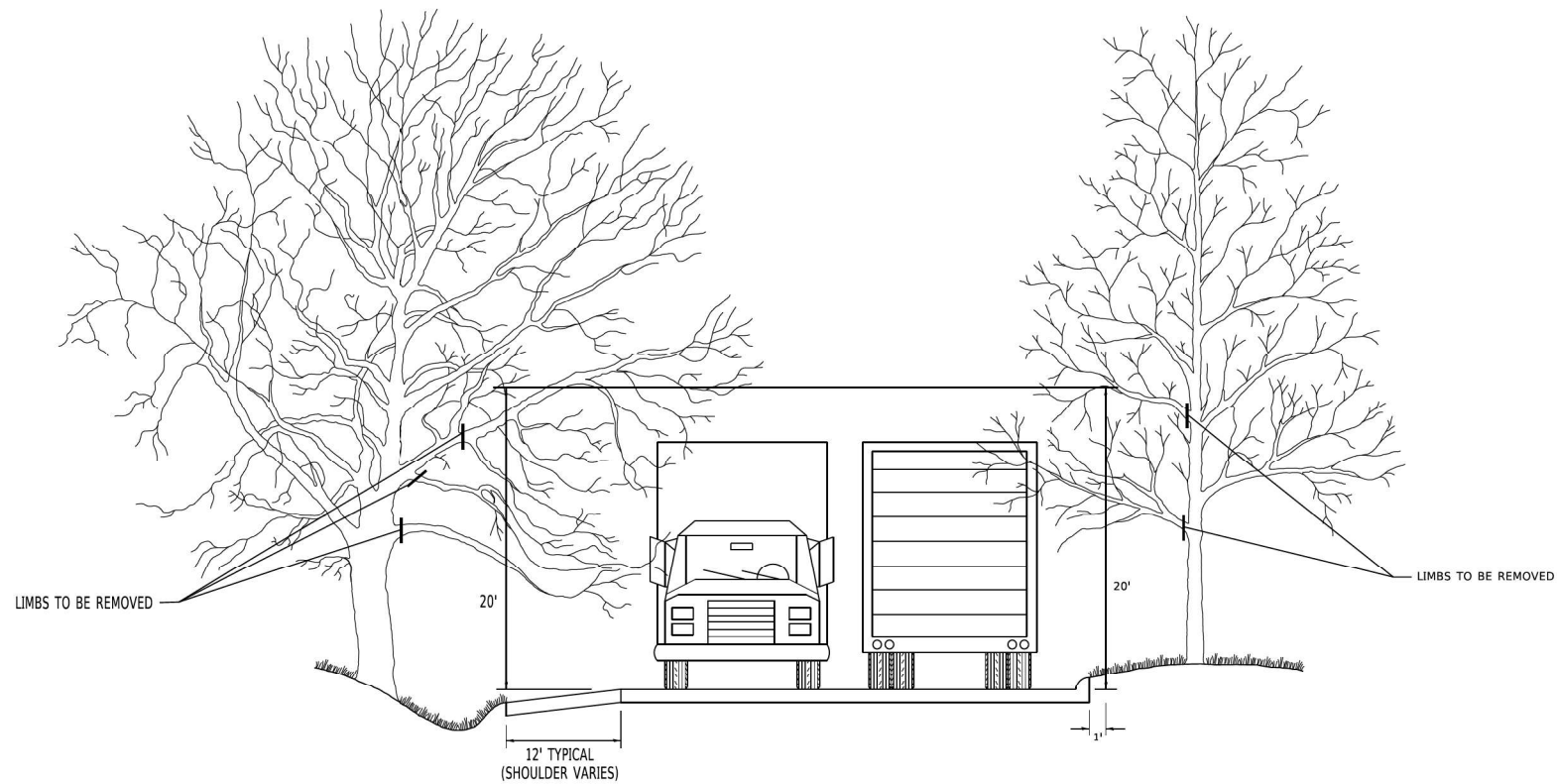
garza karhoff ENGINEERING, LLC

USER NAME = Michael.Czerpak	DESIGNED - MAC	REVISED -
PLOT SCALE = 0.2000' / in.	CHECKED - AMB	REVISED -
PLOT DATE = 4/26/2024	DATE - 04/26/2024	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N.T.S.	SHEET 1 OF 14 SHEETS		FAU 2911 22 BJ	COOK	53	40
	STA. TO STA.	ILLINOIS FED. AID PROJECT				

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	40
CONTRACT NO. 62T49				
ILLINOIS FED. AID PROJECT				



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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRUNING FOR SAFETY AND
EQUIPMENT CLEARANCE**

SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
							BM-20			
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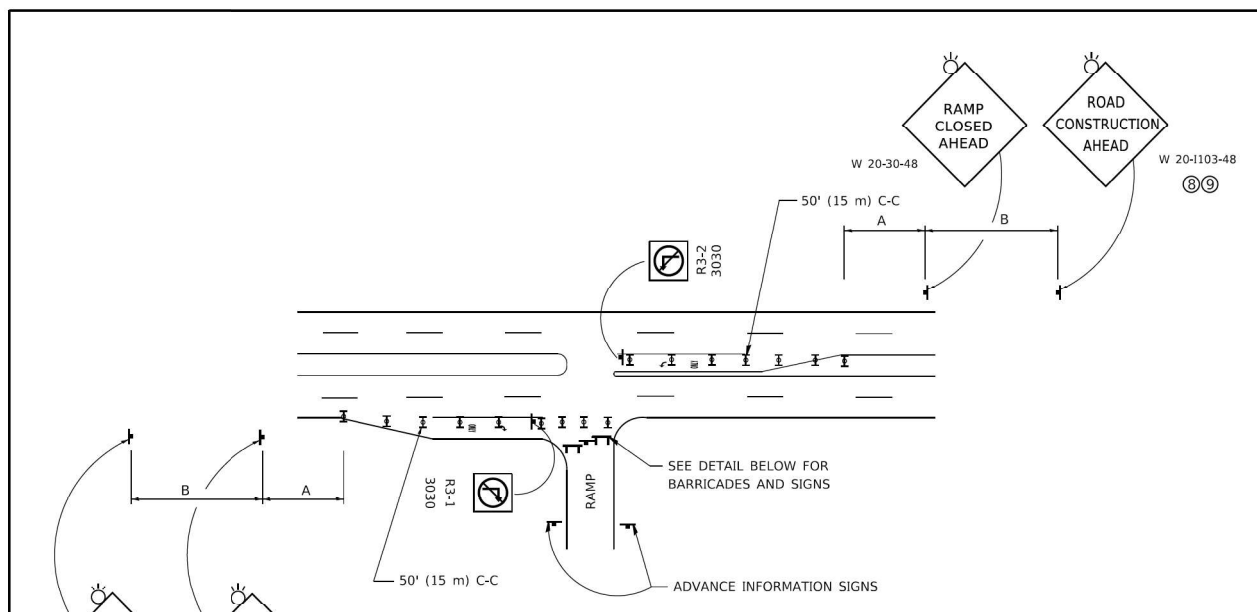


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	DATE - 04/26/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRUNING FOR SAFETY AND
EQUIPMENT CLEARANCE**

SCALE: N.T.S.	SHEET 2	OF 14	SHEETS	STA.	TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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						ILLINOIS FED. AID PROJECT				

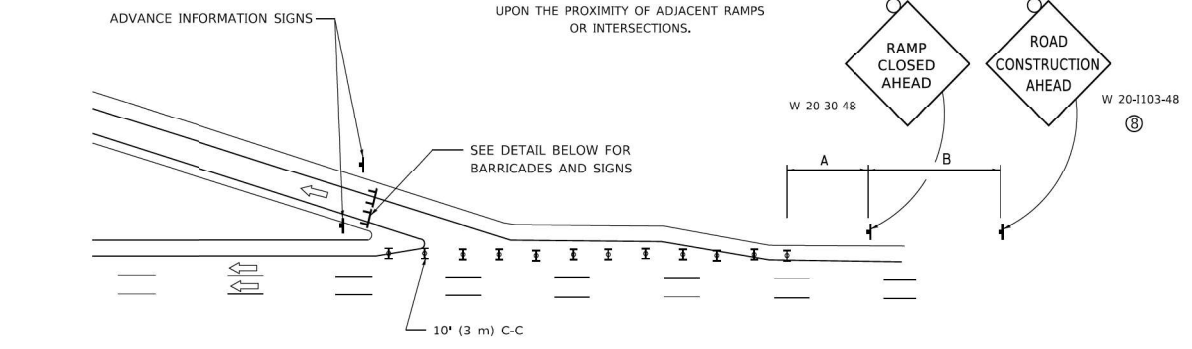


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

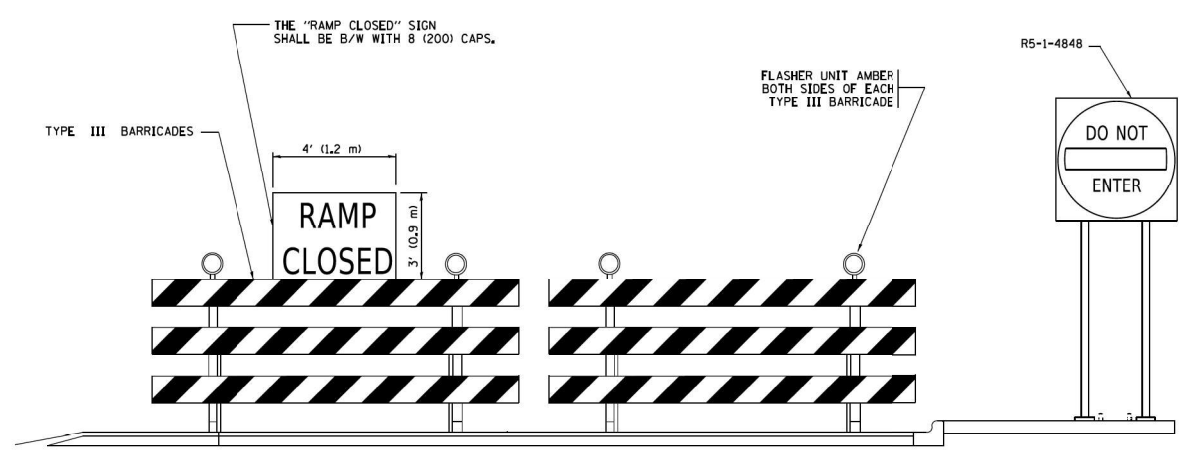
FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

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

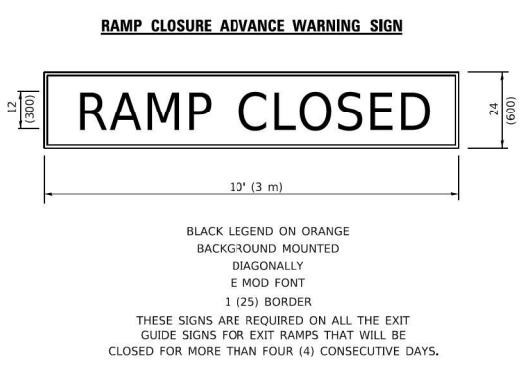


EXIT RAMP CLOSURE

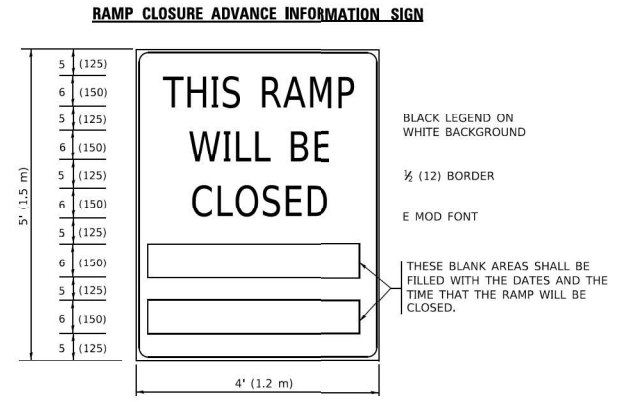
- SYMBOLS**
- ▬ TYPE II BARRICADE OR DRUM
 - ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS



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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	DATE - 02-83	REVISED - M.D._01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			TC-08		CONTRACT NO.		
			ILLINOIS FED. AID PROJECT				

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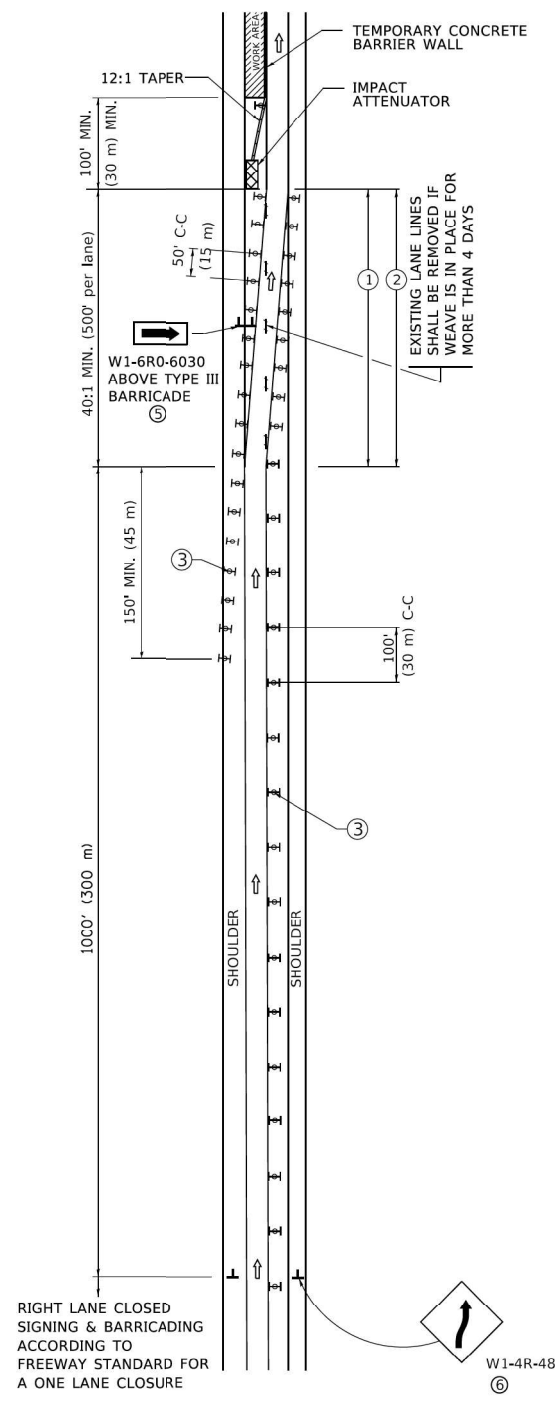
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

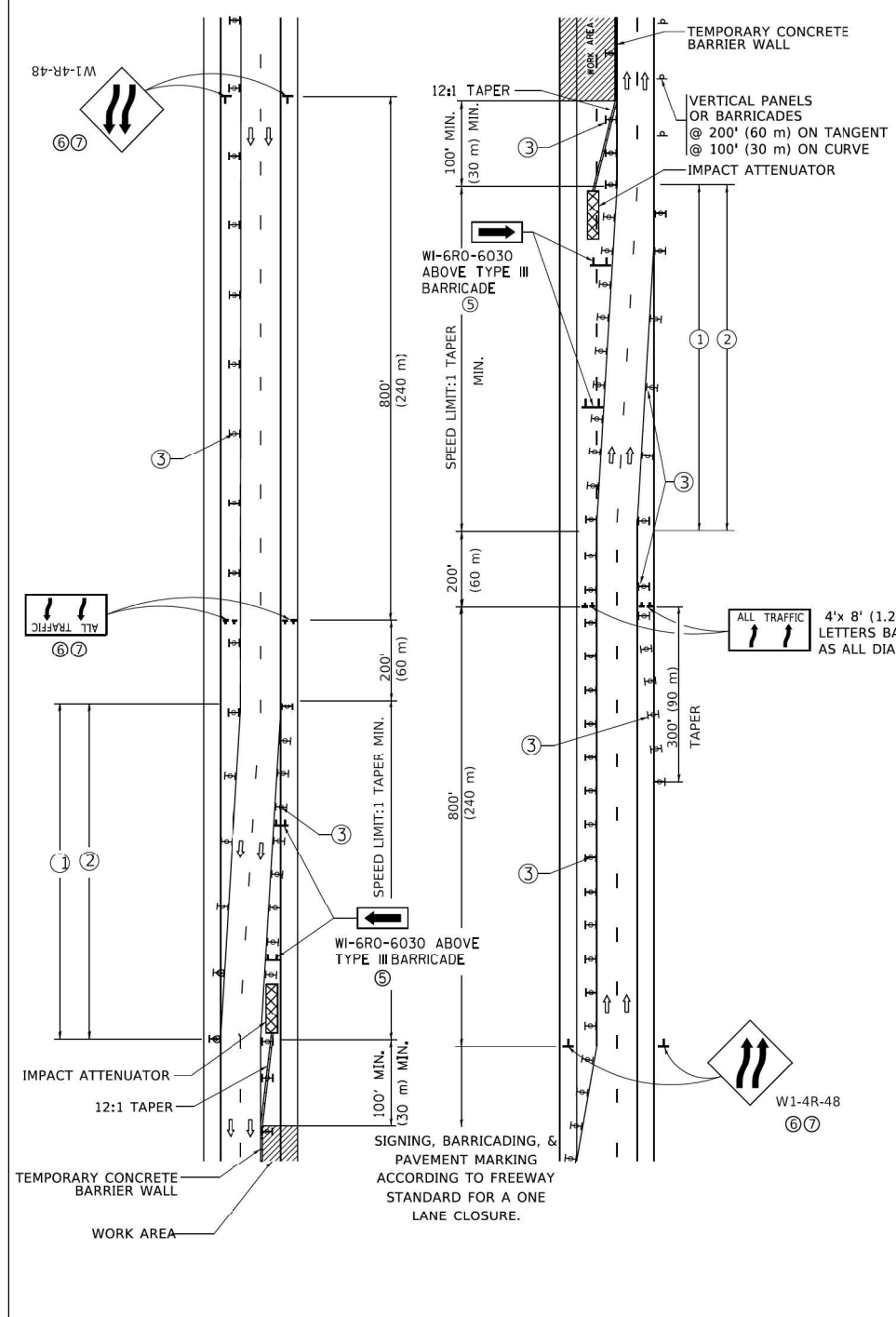
**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

SCALE: N.T.S.	SHEET 3 OF 14 SHEETS	STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			2911 FAU 2911 22 BJ		COOK		53 42
			CONTRACT NO. 62T49				
			ILLINOIS FED. AID PROJECT				

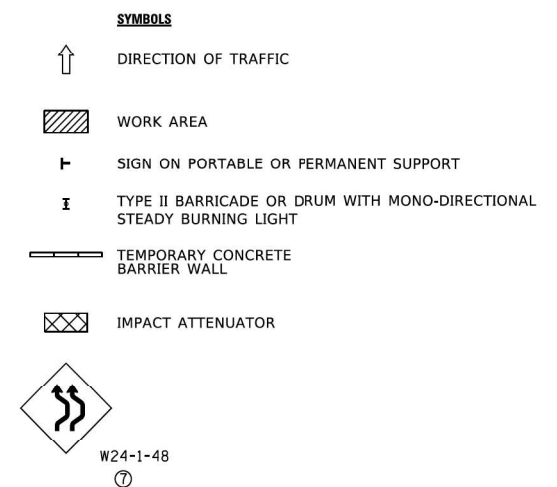
SINGLE LANE WEAVE



MULTI-LANE WEAVE



- GENERAL NOTES:**
- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
 - 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.
 - PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
 - ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
 - 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.
 - 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.
 - THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

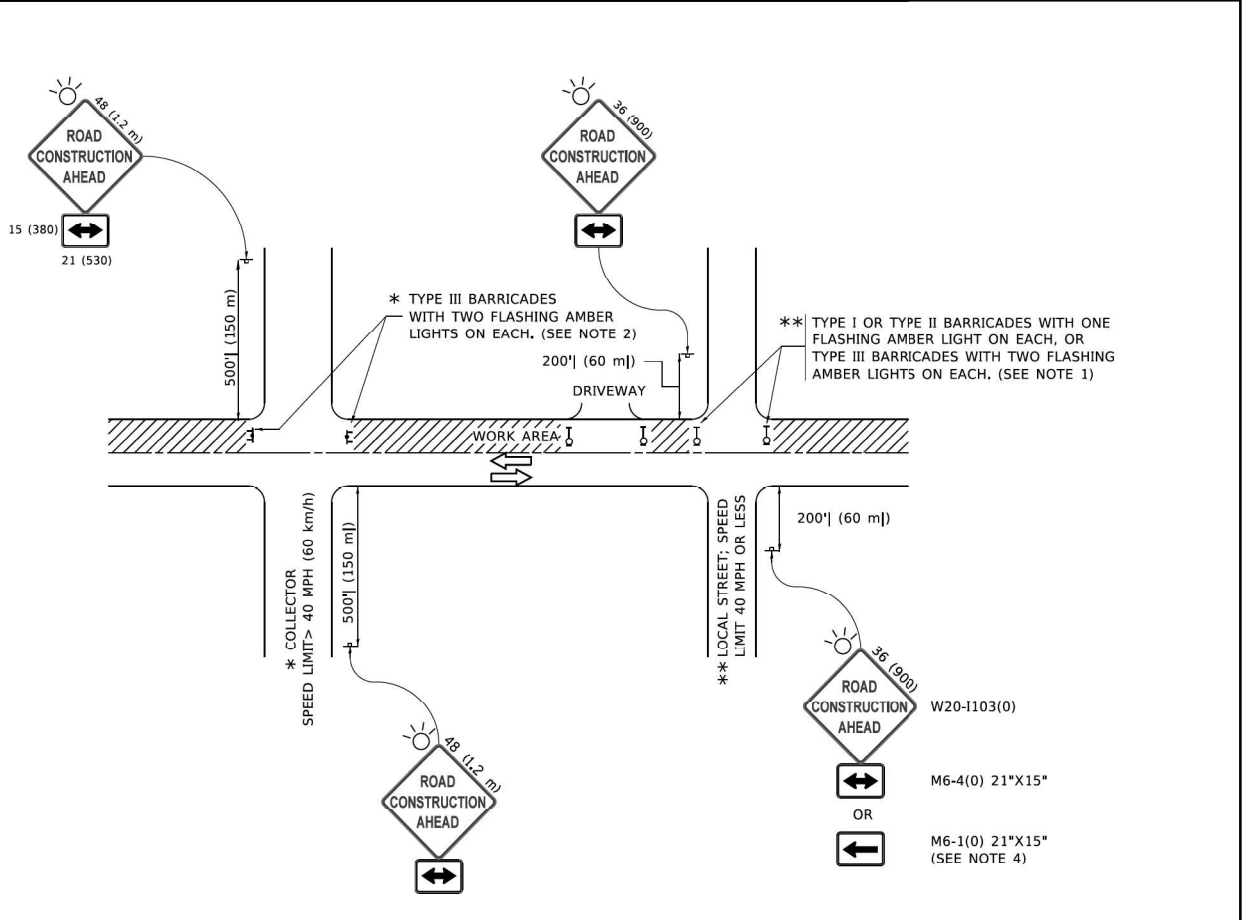
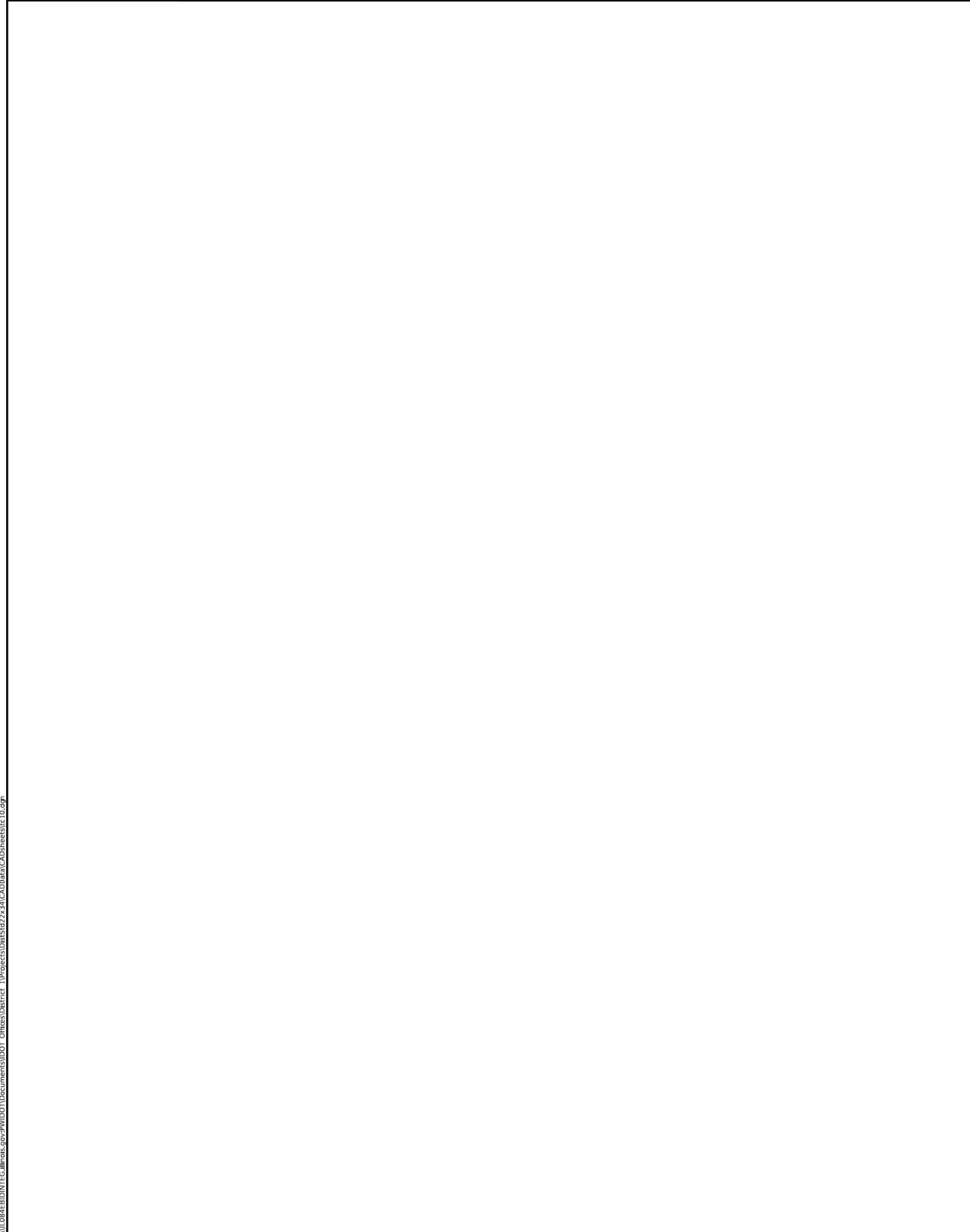


ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default FILE NAME: D:\130422\ch101\standard_04.dgn	USER NAME = foctem	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 30,0000' / in.	CHECKED -	REVISED - S.P.B. 01-07		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	TC-09	CONTRACT NO.
	PLOT DATE = 3/4/2019	DATE - 02-87	REVISED - S.P.B. 12-09								ILLINOIS	FED. AID PROJECT
			REVISED - M.D. 06-13									

	USER NAME = Michael.Czerpak	DESIGNED - MAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	PLOT SCALE = 0.2000' / in.	CHECKED - AMB	REVISED -		SCALE: N.T.S.	SHEET 4	OF 14	SHEETS	STA.	TO STA.	2911	FAU 2911 22 BJ	COOK	53	43
	PLOT DATE = 4/26/2024	DATE - 04/26/2024	REVISED -									ILLINOIS	FED. AID PROJECT		

MODEL: Default
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 I:\projects\130422\24\13\standard_05.dwg



NOTES:

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 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.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 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.

USER NAME = foctemj	DESIGNED - L.H.A.	REVISED - A. HOUSE 10-15-96
DRAWN -	REVISOR - T. KAMMALHEK 01-06-00	
PLOT SCALE = 30,0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE		SHEET 1 OF 1 SHEETS STA. TO STA.		TC-10		CONTRACT NO.		
				ILLINOIS		FED. AID PROJECT		

MODEL: Default
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USER NAME = Michael.Czerpak	DESIGNED - MAC	REVISED -
DRAWN - MAC	REVISOR -	
PLOT SCALE = 0.2000 ' / in.	CHECKED - AMB	REVISED -
PLOT DATE = 4/26/2024	DATE - 04/26/2024	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N.T.S.		SHEET 5 OF 14 SHEETS STA. TO STA.		2911	FAU 2911 22 BJ	COOK	53	44
				ILLINOIS		FED. AID PROJECT		
				CONTRACT NO. 62T49				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

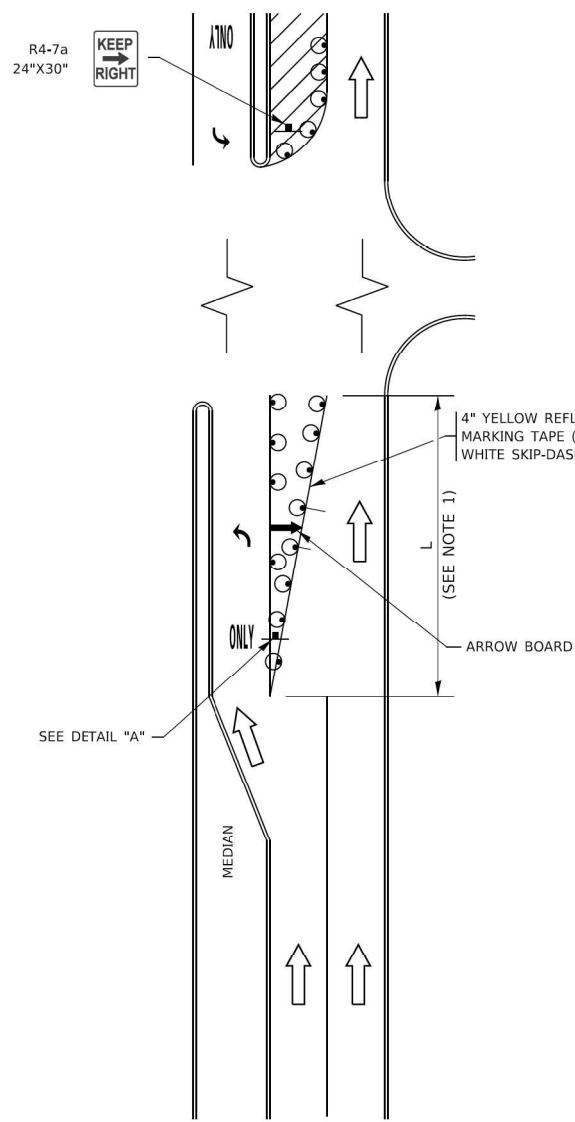


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

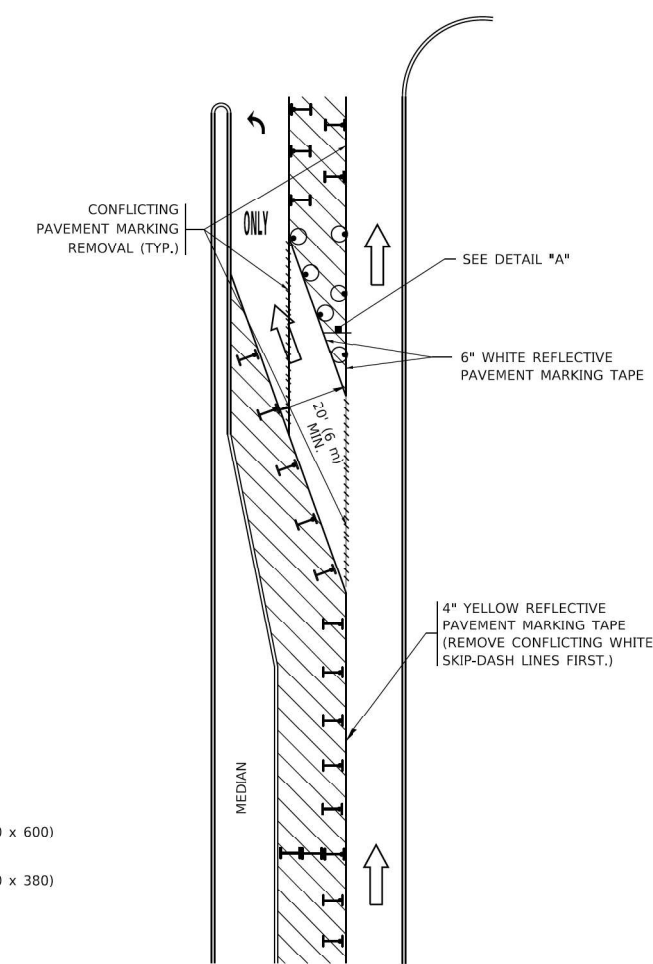


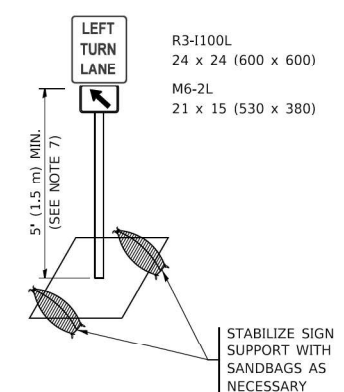
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
- B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. 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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

USER NAME = footej	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BCRO 09-14-09
DRAWN - A. HOUSEH 11-07-95	REVISOR - A. SCHUETZE 07-01-13	
PLOT SCALE = 30,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	45
CONTRACT NO. 62T49				

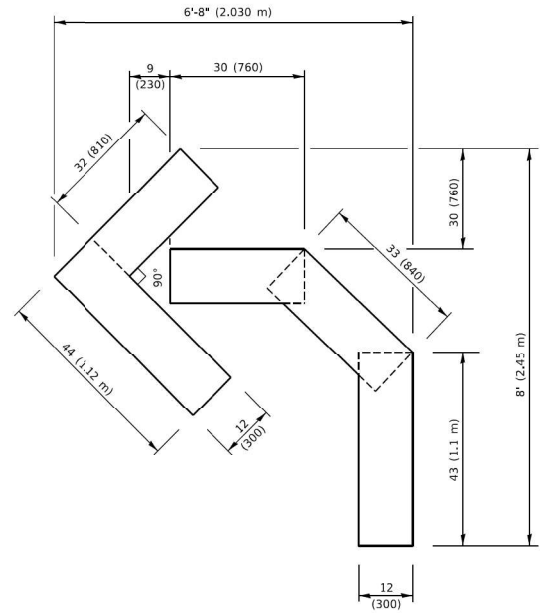
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USER NAME = Michael.Czerpak	DESIGNED - MAC	REVISED -
DRAWN - MAC	REVISOR -	
PLOT SCALE = 0.2000' / in.	CHECKED - AMB	REVISED -
PLOT DATE = 4/26/2024	DATE - 04/26/2024	REVISED -

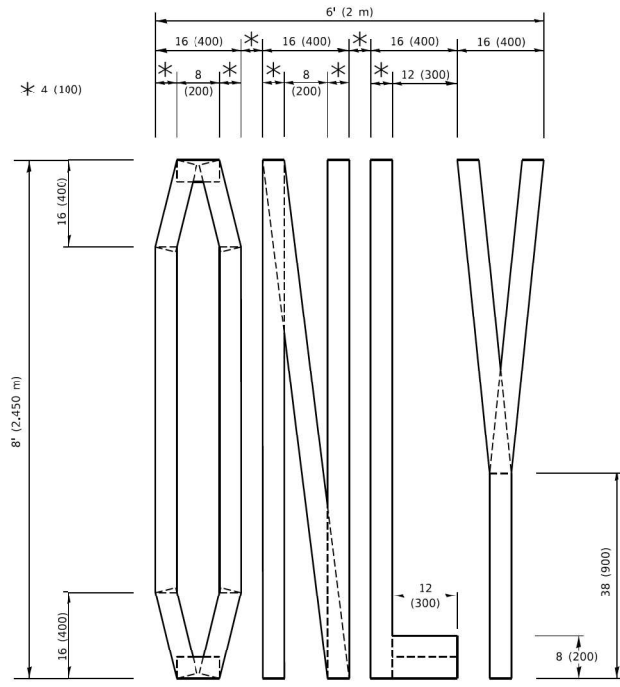
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

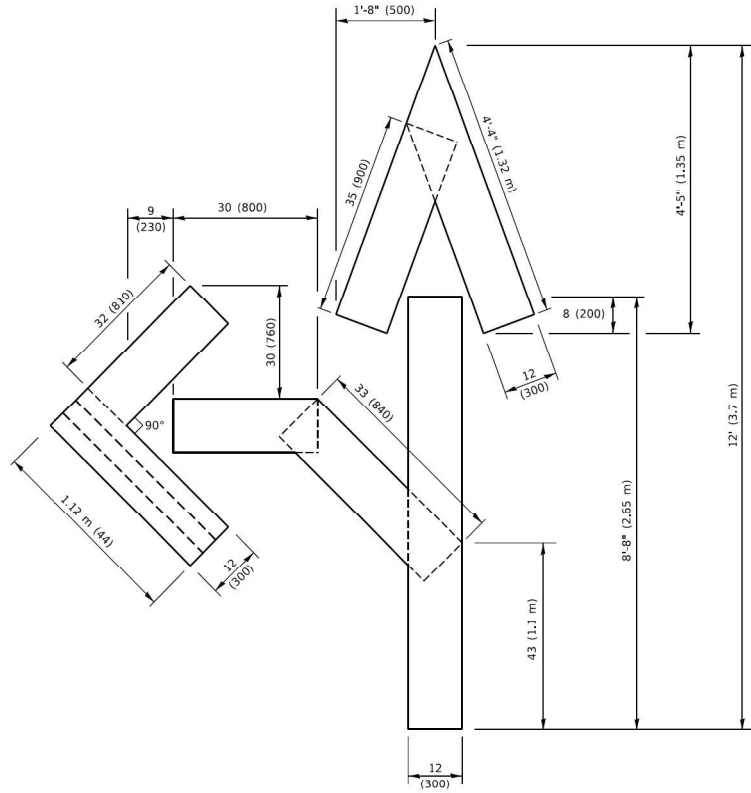
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	45
CONTRACT NO. 62T49				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

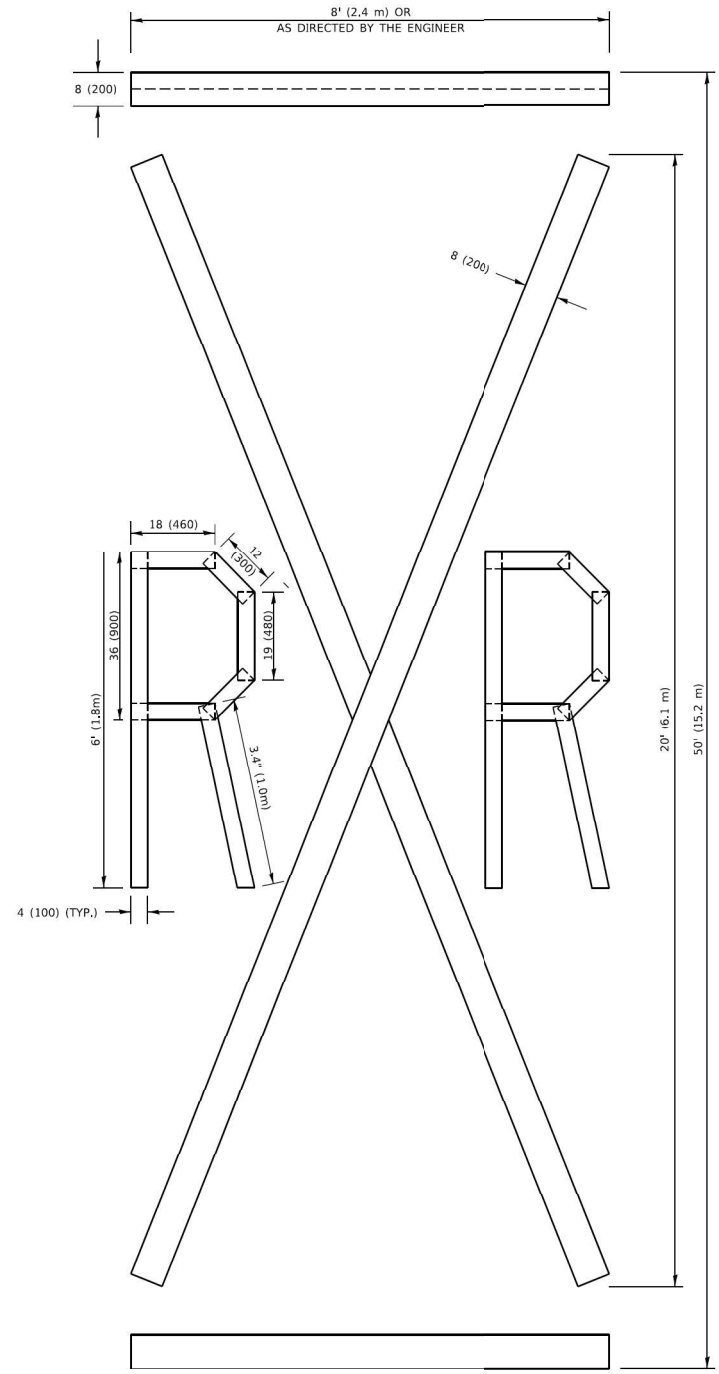


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED
 IN LINEAR FEET OF 4" LINES TO MATCH THE
 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS
 THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

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USER NAME = fozitem	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
PLOT SCALE = 50.0068' / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	46
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T49	

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 FILE NAME: D:\p\h\...



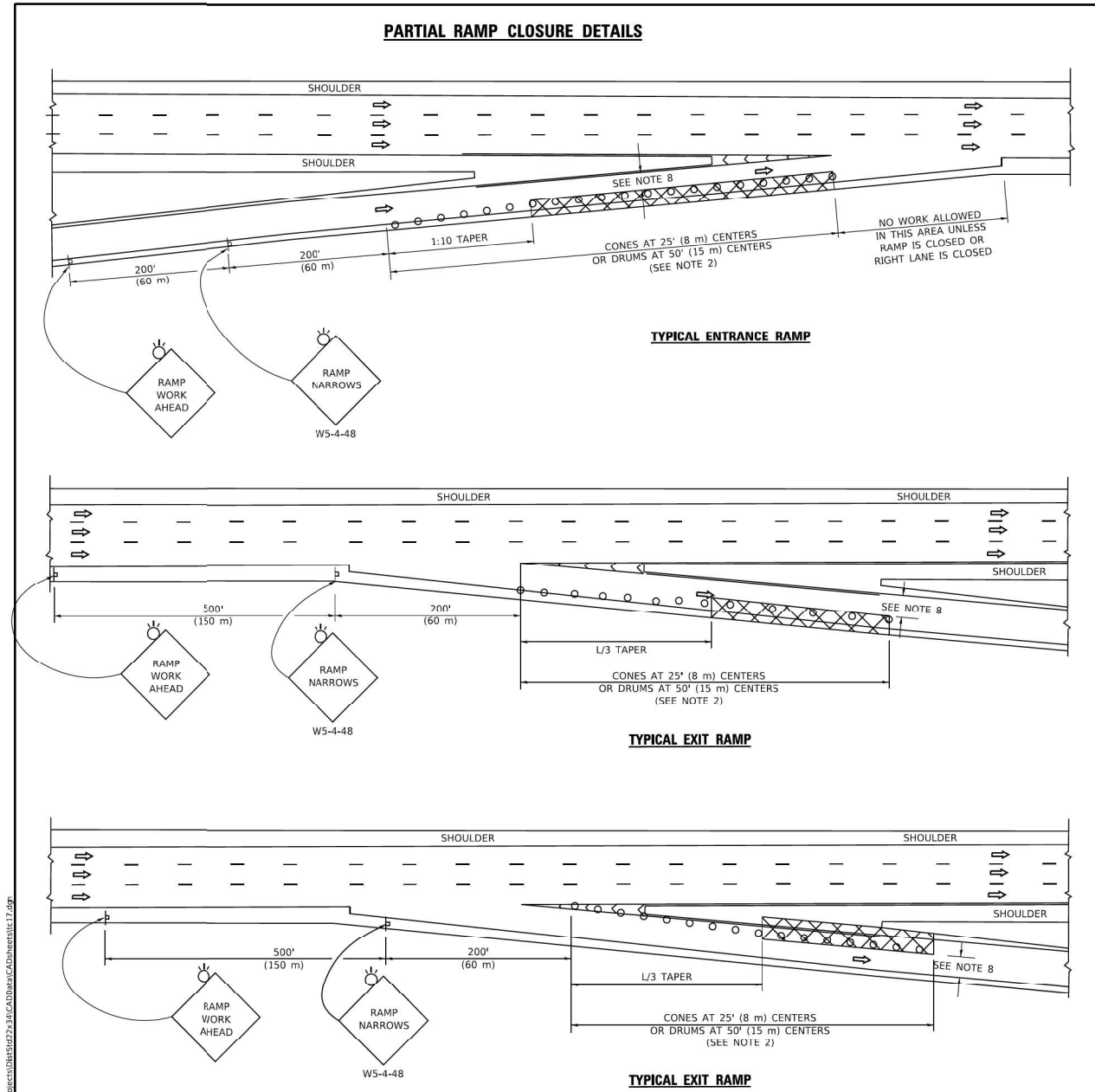
USER NAME = Michael.Czerpak	DESIGNED - MAC	REVISED -
PLOT SCALE = 0.2000' / in.	DRAWN - MAC	REVISED -
PLOT DATE = 4/26/2024	CHECKED - AMB	REVISED -
	DATE - 04/26/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING
 LETTERS AND SYMBOLS**

SCALE: N.T.S. SHEET 7 OF 15 SHEETS STA. TO STA.

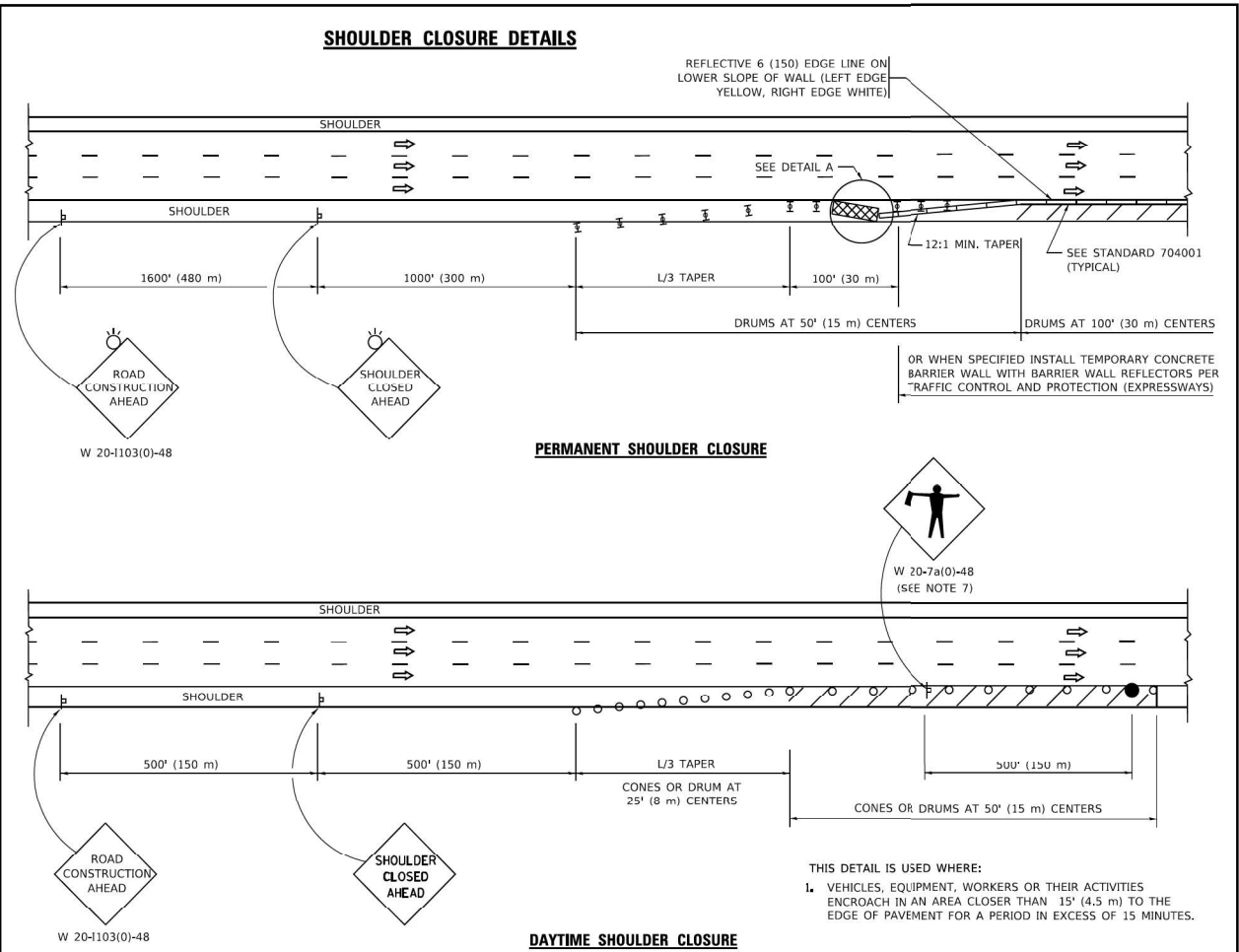
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	46
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T49	



- 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:**
- THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER	METRIC: $L = 0.65(WKS)$ ENGLISH: $L = (WKS)$
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
 - 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.
 - ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
 - FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.



- THIS DETAIL IS USED WHERE:
- VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH 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)

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

USER NAME = foostem	DESIGNED -	REVISED - S.P.B. 01-07
PLOT SCALE = 30,0000' / in.	DRAWN - D.W.S.	REVISED - S.P.B. 12-09
PLOT DATE = 3/4/2019	CHECKED -	REVISED - M.D. 06-13
	DATE - 11-96	REVISED - M.D. 01-18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-17			
ILLINOIS		FED. AID PROJECT		

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FILE NAME: D:\30422\ch10\standard_08.dwg

garza karhoff
ENGINEERING, LLC

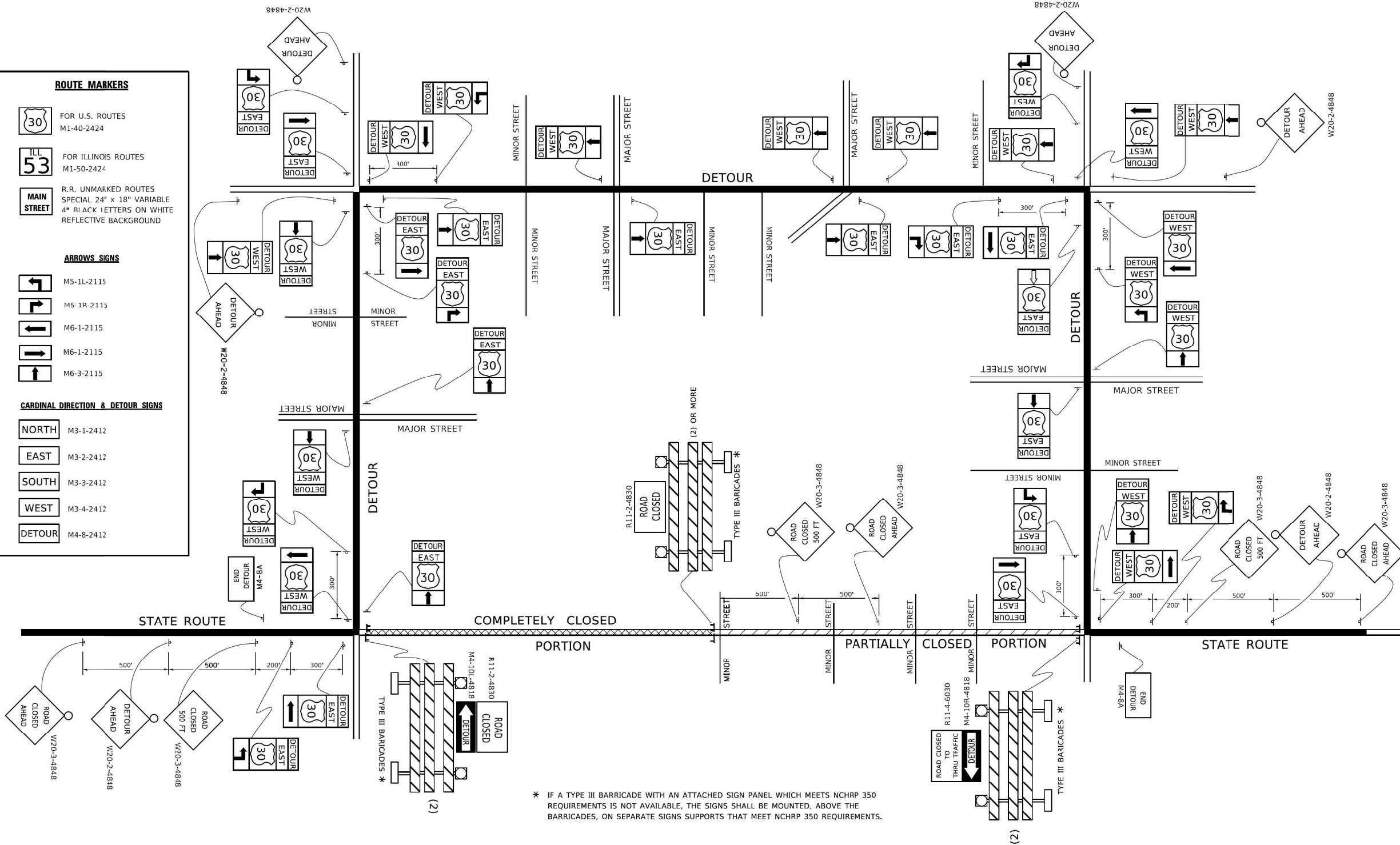
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PLOT DATE = 4/26/2024	CHECKED - AMB	REVISED -
	DATE - 04/26/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	
SCALE: N.T.S.	SHEET 8 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	47
ILLINOIS		FED. AID PROJECT		

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
	M6-2-2115
	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.

USER NAME = footem	DESIGNED -	REVISED - 10-18-02
PLOT SCALE = 30,0000' / in.	DRAWN -	REVISED - R. BCRO 09-14-09
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-21			
ILLINOIS FED. AID PROJECT			CONTRACT NO.	

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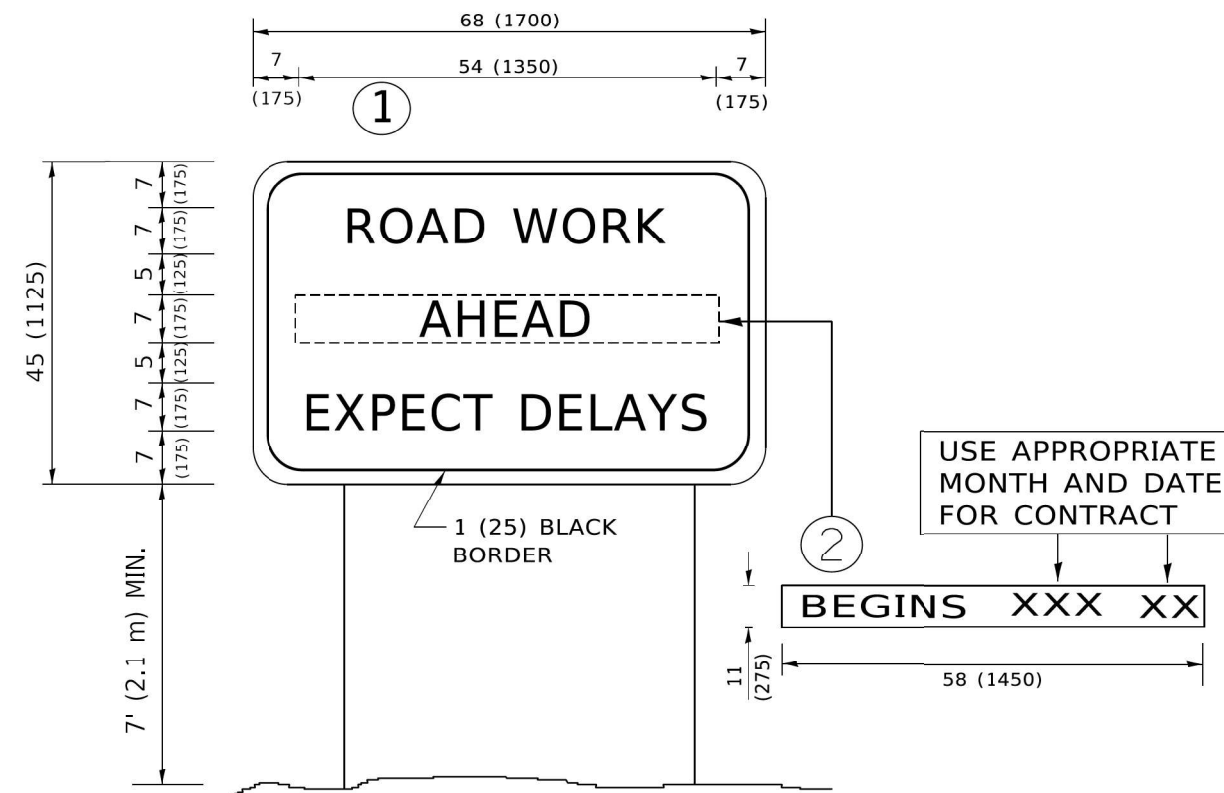


USER NAME = Michael.Czerpak	DESIGNED - MAC	REVISED -
PLOT SCALE = 0.2000' / in.	DRAWN - MAC	REVISED -
PLOT DATE = 4/26/2024	CHECKED - AMB	REVISED -
	DATE - 04/26/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS			
SCALE: N.T.S.	SHEET 9	OF 14	SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	48
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T49	



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.

USER NAME = foortem	DESIGNED -	REVISED - R. MIRS 09-15-97
DRAWN -	REVISED - R. MIRS 12-11-97	
PLOT SCALE = 30,0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

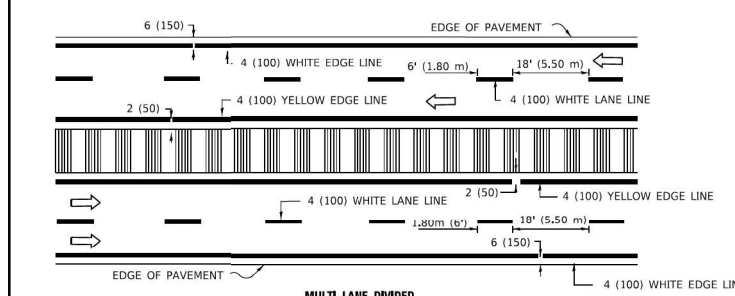
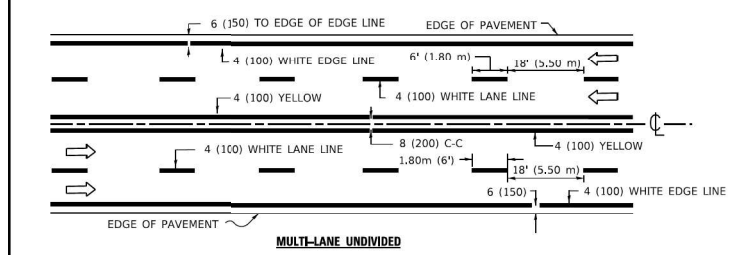
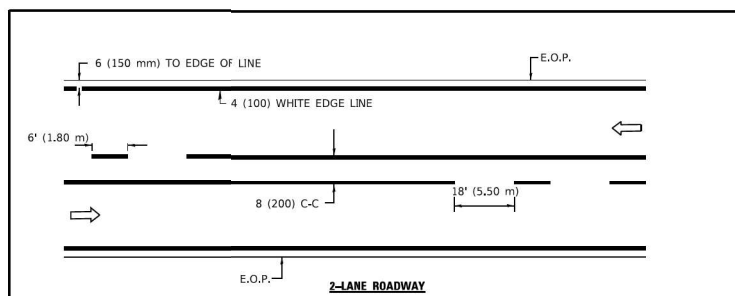
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ARTERIAL ROAD INFORMATION SIGN		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE		SHEET 1 OF 1 SHEETS		TC-22		CONTRACT NO.		
		STA. TO STA.		ILLINOIS FED. AID PROJECT				

USER NAME = Michael.Czerpak	DESIGNED - MAC	REVISED -
DRAWN - MAC	REVISED -	
PLOT SCALE = 0.2000' / in.	CHECKED - AMB	REVISED -
PLOT DATE = 4/26/2024	DATE - 04/26/2024	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ARTERIAL ROAD INFORMATION SIGN		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N.T.S.		SHEET 10 OF 14 SHEETS		FAU 2911 22 BJ		COOK 53 49		
		STA. TO STA.		ILLINOIS FED. AID PROJECT				

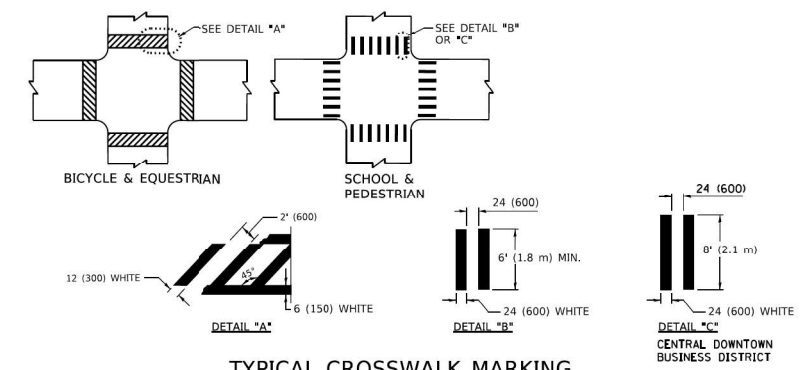
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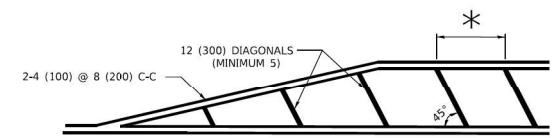


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

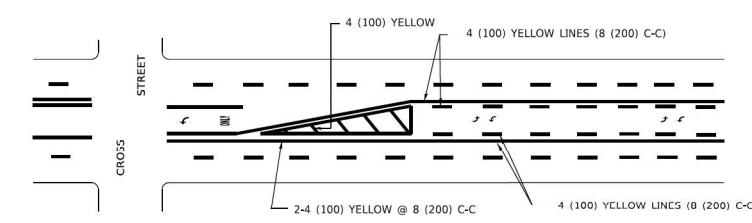


TYPICAL CROSSWALK MARKING

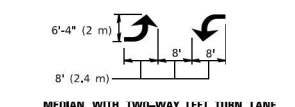


* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

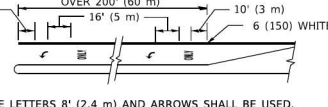
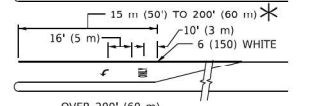
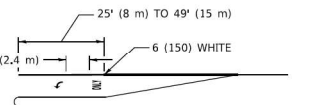
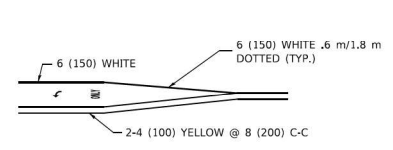
PAINTED MEDIANS



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.



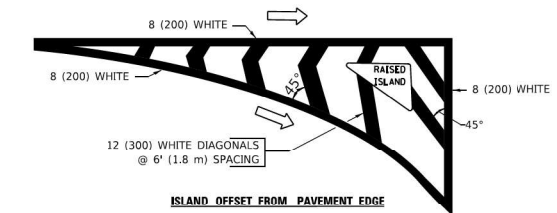
TYPICAL PAINTED MEDIAN MARKING



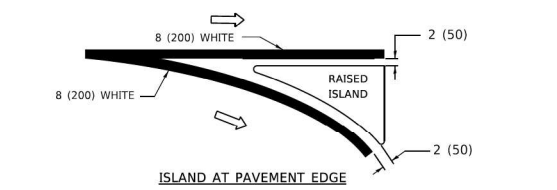
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
ARFA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 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) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	2' (600) 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°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) 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: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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

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PLOT SCALE = 30,0000' / in.	DRAWN -	REVISED - K, ENG 02-28-12
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-24			
SCALE: NONE		SHEET 1 OF 3 SHEETS		STA. TO STA.
ILLINOIS		FED. AID PROJECT		CONTRACT NO.

MODEL: Default
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**Garza Karhoff
ENGINEERING, LLC**

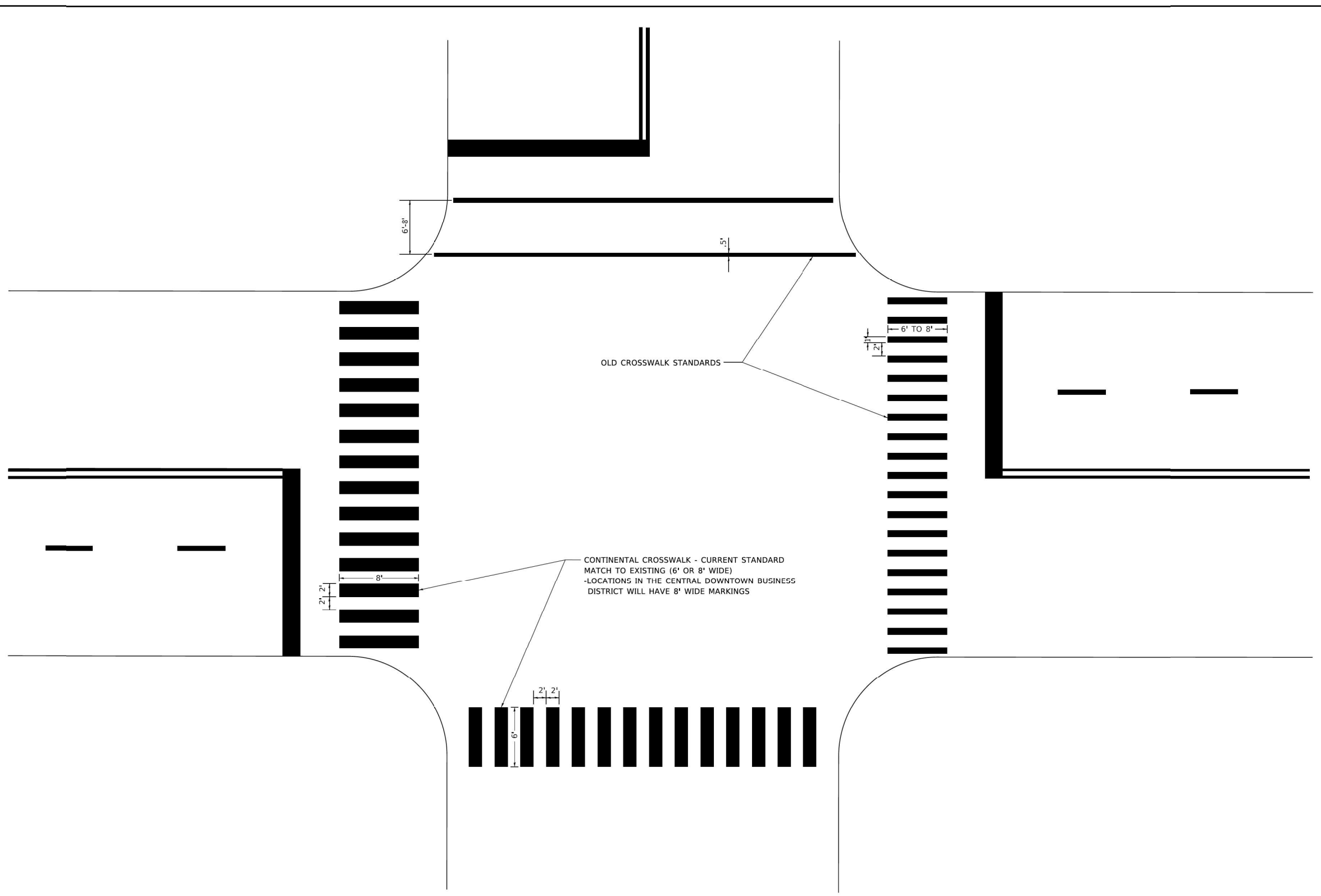
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	DATE - 04/26/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS**

F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2911	FAU 2911 22 BJ	COOK	53	50
SCALE: N.T.S.		SHEET 11 OF 14 SHEETS		STA. TO STA.
ILLINOIS		FED. AID PROJECT		CONTRACT NO. 62T49

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OLD CROSSWALK STANDARDS

CONTINENTAL CROSSWALK - CURRENT STANDARD
 MATCH TO EXISTING (6' OR 8' WIDE)
 -LOCATIONS IN THE CENTRAL DOWNTOWN BUSINESS
 DISTRICT WILL HAVE 8' WIDE MARKINGS

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PLOT SCALE = 50,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
 TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET 3 OF 3 SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			TC-24		CONTRACT NO.		
			ILLINOIS FED. AID PROJECT				

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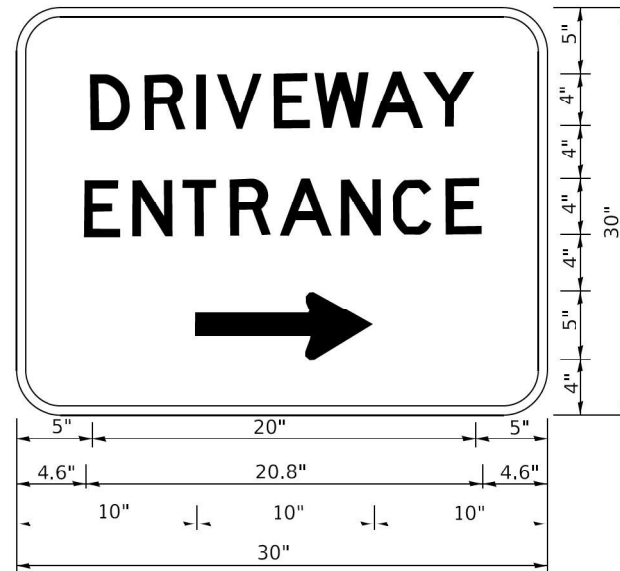
gk GARZA KARHOFF
 ENGINEERING, LLC

USER NAME = Michael.Czerpak	DESIGNED - MAC	REVISED -
PLOT SCALE = 0.2000 ' / in.	DRAWN - MAC	REVISED -
PLOT DATE = 4/26/2024	CHECKED - AMB	REVISED -
	DATE - 04/26/2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
 TYPICAL PAVEMENT MARKINGS

SCALE: N.T.S.	SHEET 13 OF 14 SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			FAU 2911 22 BJ		COOK		53 52
			CONTRACT NO. 62T49				
			ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-26			
ILLINOIS FED. AID PROJECT			CONTRACT NO.	

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

MODEL: Default
FILE NAME: D:\130422\std\1standard_14.dgn



USER NAME = Michael.Czerpak	DESIGNED - MAC	REVISED -
	DRAWN - MAC	REVISED -
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PLOT DATE = 4/26/2024	DATE - 04/26/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAU 2911 22 BJ	COOK	53	53
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T49	

SCALE: N.T.S. SHEET 14 OF 14 SHEETS STA. TO STA.