

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

**F.A.I. 55 – STEVENSON EXPRESSWAY
AT PULASKI ROAD
SECTION 2019-013-BR
BRIDGE DECK WATERPROOFING /BRIDGE JOINT REPLACE /REPAIR
COOK COUNTY
C-91-337-19
PROJECT NHPP-1WDX(432)**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	1
		ILLINOIS	CONTRACT NO. 62H89	

D-91-133-19



FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

EXISTING ADT:
PULASKI ROAD: 22,600 VPD (2018) NORTH LEG
40,700 VPD (2018) SOUTH LEG

POSTED SPEED LIMIT: 30 MPH NORTH LEG
35 MPH SOUTH LEG

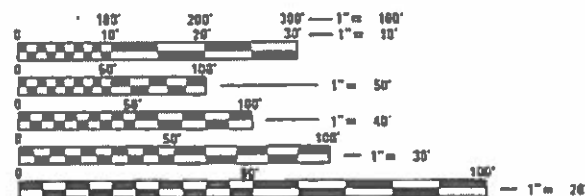
EXISTING ADT:
I-55: 166,300 VPD (2018)

POSTED SPEED LIMIT: 55 MPH

J.U.L.I.E.
JOINT
UTILITY
LOCATION
INFORMATION FOR
EXCAVATION
CALL 811

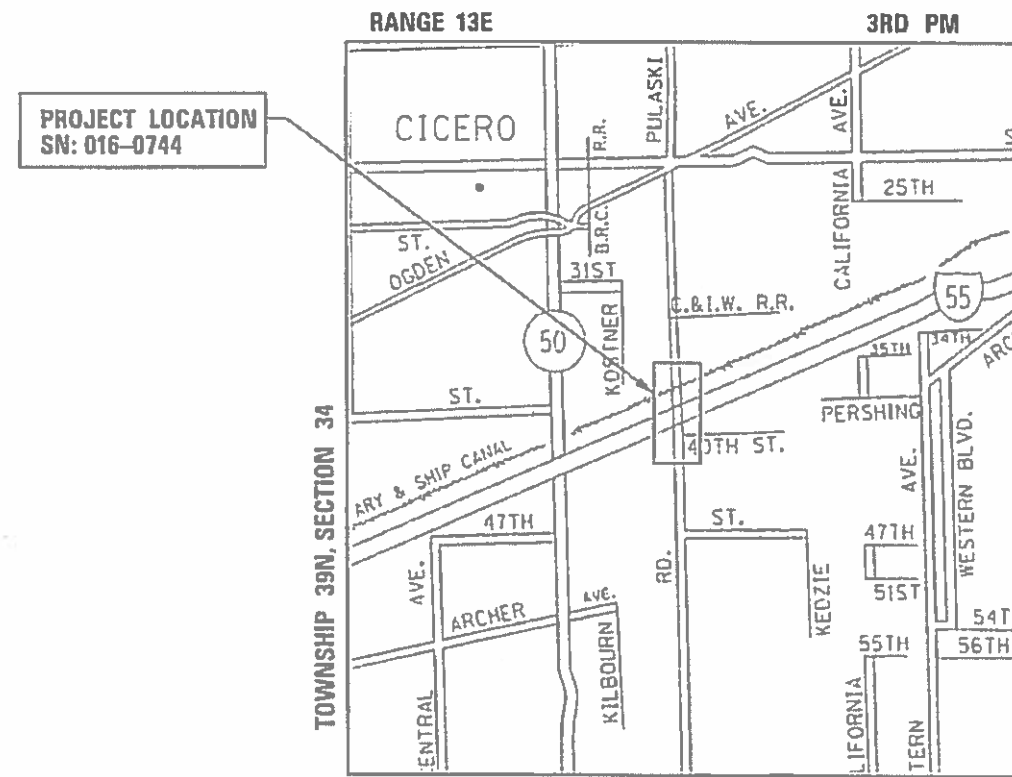
Know what's below.
Call before you dig.

**PROJECT LOCATED IN THE
CITY OF CHICAGO**



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.

420 NORTH FRONT STREET, SUITE 100 | McHENRY, ILLINOIS 60050
Phone: 815.385.1778 | Toll Free: 800.728.7895 | Fax: 815.385.1781 | HRGreen.com
ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322



PROJECT LOCATION
SN: 016-0744

WEST CHICAGO TOWNSHIP
GROSS LENGTH = 259 FT. = 0.049 MILE
NET LENGTH = 259 FT. = 0.049 MILE

THEODORE E. HAMILTON
P.E.
EXPIRES: 11-30-19

STEVEN L. SCHWARZ, S.E., P.E.
EXPIRES: 11-30-20

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 18, 2019

Anthony J. Ruzicki / AS
REGIONAL ENGINEER

May 10, 2019 ETC
ENGINEER OF DESIGN AND ENVIRONMENT

Paul J. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62H89

INDEX OF SHEETS

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STATE STANDARDS

- 701411-09 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS > 45 MPH
- 701428-01 TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
- 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRANSVERSABLE MEDIAN
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE CITY OF CHICAGO.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
6. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE.
7. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
9. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
10. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO INSURE THAT NO DEBRIS WILL ENDANGER OR INTERFERE WITH TRAFFIC ON THE ROADWAY BENEATH THE BRIDGE ACCORDING TO ARTICLE 107.09 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPROPRIATE PAY ITEM INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. EXISTING PAVEMENT MARKINGS SHALL BE TEMPORARILY COVERED PRIOR TO APPLICATION OF THE DECK SURFACE TREATMENT. TO PREVENT THE MATERIALS FROM BEING APPLIED TO THE MARKINGS AND TO PROTECT THE REFLECTIVE PROPERTIES OF THE MARKINGS. THE TEMPORARY COVERING MATERIAL USED SHALL BE SUCH THAT IT WILL NOT AFFECT THE MARKING'S REFLECTIVITY WHEN REMOVED AFTER APPLICATION OF THE DECK SURFACE TREATMENT AND PRIOR TO OPENING TO TRAFFIC. COST INCLUDED WITH CONCRETE SEALER.
12. 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. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS. FOR QUESTIONS PLEASE CONTACT THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) - 705-4151.
13. ANY WORK ON PULASKI ROAD REQUIRING IMPACTS TO TRAFFIC LANES SHALL BE PERFORMED DURING ALLOWABLE NIGHT TIME AND WEEKEND LANE CLOSURES. NO TEMPORARY OR PERMANENT DAY TIME LANE CLOSURES WILL BE ALLOWED ALONG PULASKI ROAD. SEE SPECIAL PROVISIONS FOR "ALLOWABLE WORKING HOURS" FOR ADDITIONAL DETAILS.

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PLOT DATE = 3/28/2019	DATE - 2/21/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS

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

F.A.I. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	2
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 62H89	

REV. - MS

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	90% FED 10% STATE 0047			
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT	70	70			
52000050	PREFORMED JOINT SEAL 4"	FOOT	846	846			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
67100100	MOBILIZATION	L SUM	1	1			
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1			
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1			
X0900058	PREFORMED JOINT SEAL 2"	FOOT	910	910			
X5870015	BRIDGE DECK CONCRETE SEALER	SO FT	147,459	147,459			
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1			
Z0010605	CLEANING DRAINAGE SYSTEM	L SUM	1	1			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
Z0016200	DECK SLAB REPAIR (PARTIAL)	SO YD	6	6			
Z0021908	SILICONE JOINT SEALER, 2"	FOOT	421	421			
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	372	372			
Z0041895	POLYMER CONCRETE	CU FT	172.3	172.3			
X0900085	REMOVE EXISTING JOINT	FOOT	2,247	2,247			

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PLOT DATE = 3/26/2019	DATE - 2/21/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 1	OF 1	SHEETS STA. TO STA.

F.A.I. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	3
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 62H89	

REV. - MS

SEQUENCE 1

TRAFFIC

1. CLOSE INSIDE (LANE 1) AND LEFT TURN LANES ON NORTHBOUND AND SOUTHBOUND LANES OF PULASKI ROAD PER HIGHWAY STANDARDS - 701601 AND 701701.
2. COMPLETE RAMP CLOSURES FOR RAMPS E, F, G, AND H PER DISTRICT DETAIL FOR ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08).
3. MAINTAIN ONE LANE OF TRAFFIC IN OUTSIDE LANES (LANE 2) IN BOTH NORTHBOUND AND SOUTHBOUND DIRECTIONS ON PULASKI ROAD

CONSTRUCTION

1. REMOVE EXISTING NEOPRENE JOINTS AND PLACE POLYMER CONCRETE WITHIN STAGED AREAS. DO NOT PLACE PREFORMED JOINT SEAL (PJS) UNTIL SEQUENCE 3.
2. REMOVE PREFORMED JOINT SEAL. DO NOT PLACE PJS UNTIL SEQUENCE 3.
3. BRIDGE DECK SEALING WITHIN CLOSED AREAS.
4. DRAINAGE SYSTEM CLEANING WITHIN CLOSED AREAS.

SEQUENCE 2

TRAFFIC

1. CLOSE LANE 2 AND LEFT TURN LANES ON NORTHBOUND AND SOUTHBOUND LANES OF PULASKI ROAD PER HIGHWAY STANDARDS - 701601 AND 701701.
2. COMPLETE RAMP CLOSURES FOR RAMPS A, B, C, D, E, F, G, AND H PER DISTRICT DETAIL FOR ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08).
3. MAINTAIN ONE LANE OF TRAFFIC, LANE 1, IN BOTH NORTHBOUND AND SOUTHBOUND DIRECTIONS ON PULASKI ROAD.

CONSTRUCTION

1. REMOVE EXISTING NEOPRENE JOINT AND PLACE POLYMER CONCRETE WITHIN STAGED AREA. DO NOT PLACE PJS UNTIL SEQUENCE 3.
2. REMOVE PREFORMED JOINT SEAL. DO NOT PLACE PJS UNTIL SEQUENCE 3.
3. REMOVE AND REPLACE SILICONE JOINT SEAL WITHIN CLOSED AREAS
4. BRIDGE DECK SEALING WITHIN CLOSED AREAS.
5. DRAINAGE SYSTEM CLEANING WITHIN CLOSED AREAS.

SEQUENCE 3

TRAFFIC

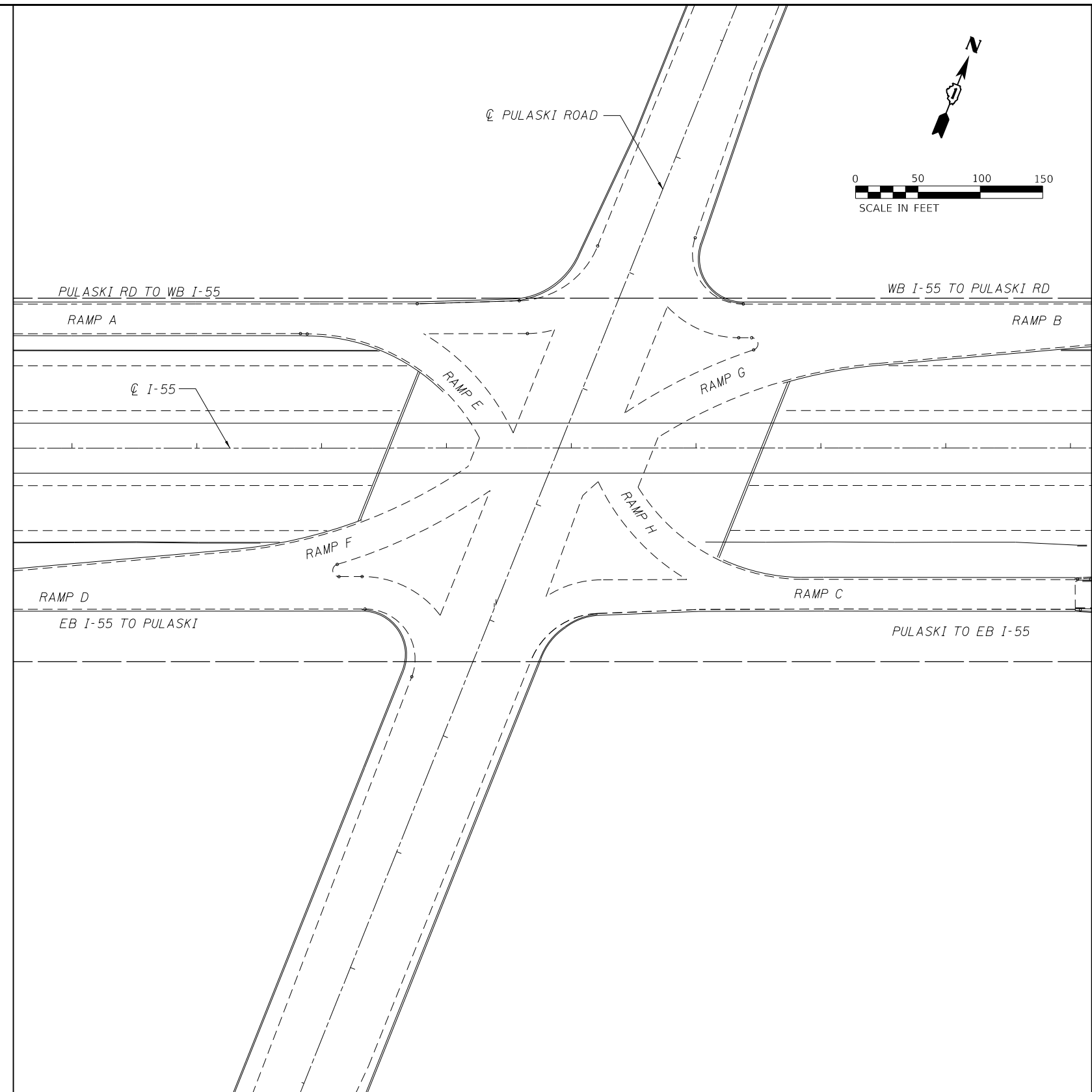
1. TEMPORARY LANE, SHOULDER AND RAMP CLOSURES PER HIGHWAY STANDARDS AND DISTRICT DETAILS.

CONSTRUCTION

2. INSTALL PREFORMED JOINT SEAL

ALLOWABLE LANE CLOSURES

ANY WORK ON PULASKI ROAD REQUIRING IMPACTS TO TRAFFIC LANES SHALL BE PERFORMED DURING ALLOWABLE NIGHT TIME AND WEEKEND LANE CLOSURES. NO TEMPORARY OR PERMANENT DAY TIME LANE CLOSURES WILL BE ALLOWED ALONG PULASKI ROAD. SEE SPECIAL PROVISION FOR "ALLOWABLE WORKING HOURS" FOR ADDITIONAL DETAILS.



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PLOT DATE = 3/25/2019	DATE - 2/21/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RECOMMENDED STAGING SEQUENCE
STRUCTURE NO. 016-0744

SHEET NO. 1 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	4
CONTRACT NO. 62H89			ILLINOIS FED. AID PROJECT	

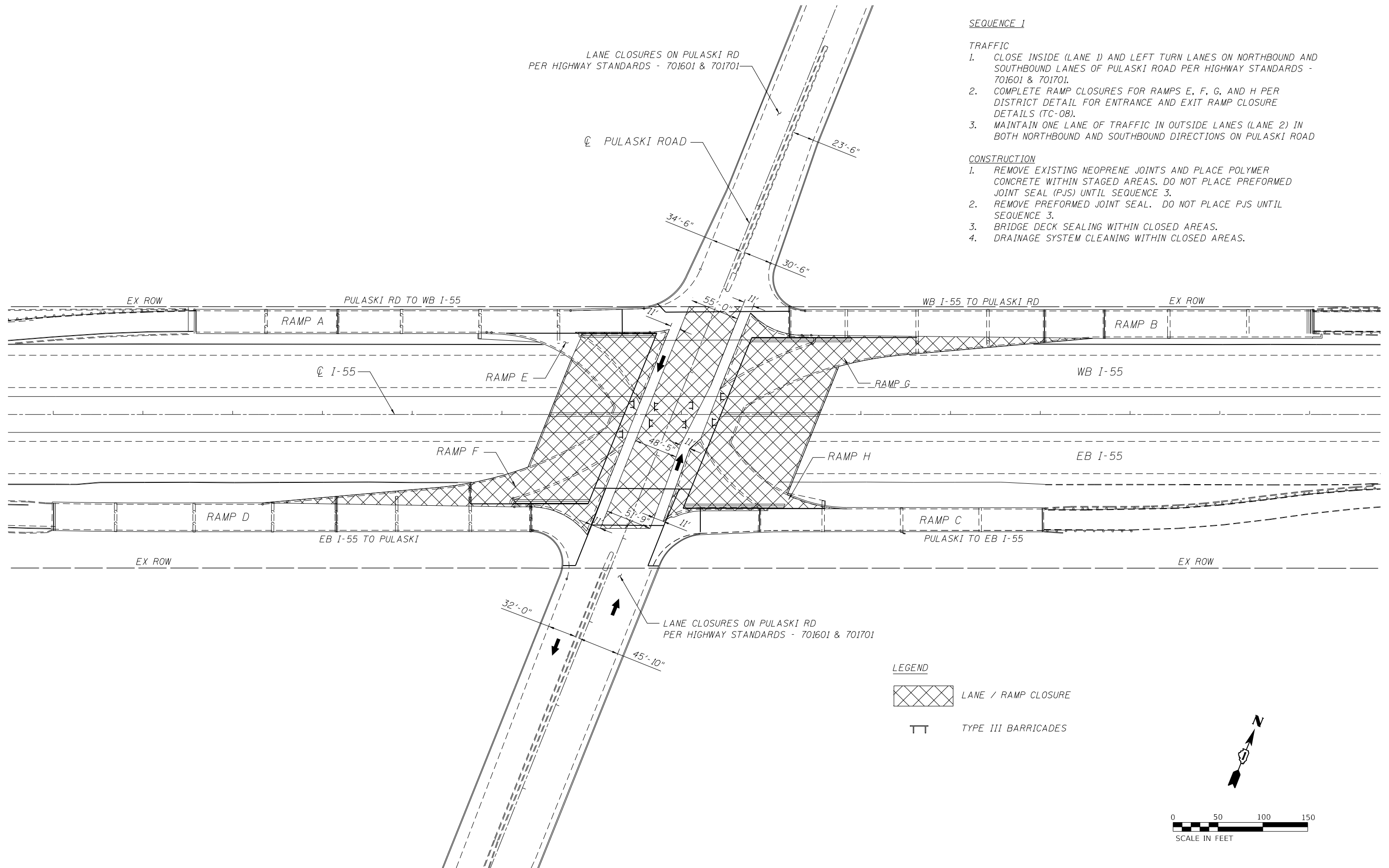
SEQUENCE 1

TRAFFIC

1. CLOSE INSIDE (LANE 1) AND LEFT TURN LANES ON NORTHBOUND AND SOUTHBOUND LANES OF PULASKI ROAD PER HIGHWAY STANDARDS - 701601 & 701701.
2. COMPLETE RAMP CLOSURES FOR RAMP E, F, G, AND H PER DISTRICT DETAIL FOR ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08).
3. MAINTAIN ONE LANE OF TRAFFIC IN OUTSIDE LANES (LANE 2) IN BOTH NORTHBOUND AND SOUTHBOUND DIRECTIONS ON PULASKI ROAD

CONSTRUCTION

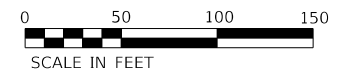
1. REMOVE EXISTING NEOPRENE JOINTS AND PLACE POLYMER CONCRETE WITHIN STAGED AREAS. DO NOT PLACE PREFORMED JOINT SEAL (PJS) UNTIL SEQUENCE 3.
2. REMOVE PREFORMED JOINT SEAL. DO NOT PLACE PJS UNTIL SEQUENCE 3.
3. BRIDGE DECK SEALING WITHIN CLOSED AREAS.
4. DRAINAGE SYSTEM CLEANING WITHIN CLOSED AREAS.



LEGEND

LANE / RAMP CLOSURE

TYPE III BARRICADES



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RECOMMENDED STAGING SEQUENCE - 1
STRUCTURE NO. 016-0744**

SHEET NO. 2 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	5
CONTRACT NO. 62H89				

ILLINOIS FED. AID PROJECT

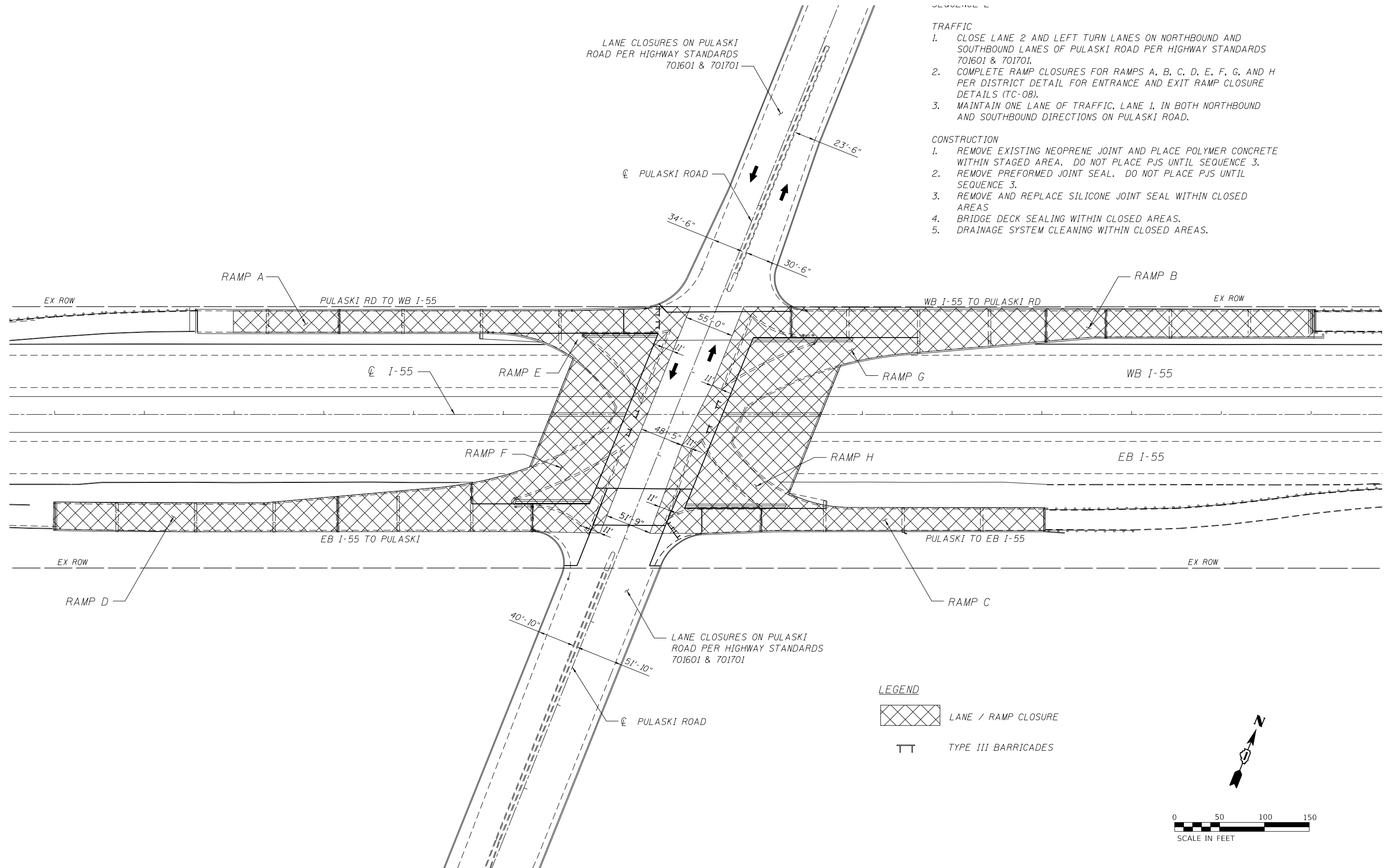
SEQUENCE 2

TRAFFIC

1. CLOSE LANE 2 AND LEFT TURN LANES ON NORTHBOUND AND SOUTHBOUND LANES OF PULASKI ROAD PER HIGHWAY STANDARDS 701601 & 701701.
2. COMPLETE RAMP CLOSURES FOR RAMPS A, B, C, D, E, F, G, AND H PER DISTRICT DETAIL FOR ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08).
3. MAINTAIN ONE LANE OF TRAFFIC, LANE 1, IN BOTH NORTHBOUND AND SOUTHBOUND DIRECTIONS ON PULASKI ROAD.

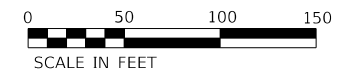
CONSTRUCTION

1. REMOVE EXISTING NEOPRENE JOINT AND PLACE POLYMER CONCRETE WITHIN STAGED AREA. DO NOT PLACE PJS UNTIL SEQUENCE 3.
2. REMOVE PREFORMED JOINT SEAL. DO NOT PLACE PJS UNTIL SEQUENCE 3.
3. REMOVE AND REPLACE SILICONE JOINT SEAL WITHIN CLOSED AREAS.
4. BRIDGE DECK SEALING WITHIN CLOSED AREAS.
5. DRAINAGE SYSTEM CLEANING WITHIN CLOSED AREAS.



LEGEND

-  LANE / RAMP CLOSURE
-  TYPE III BARRICADES



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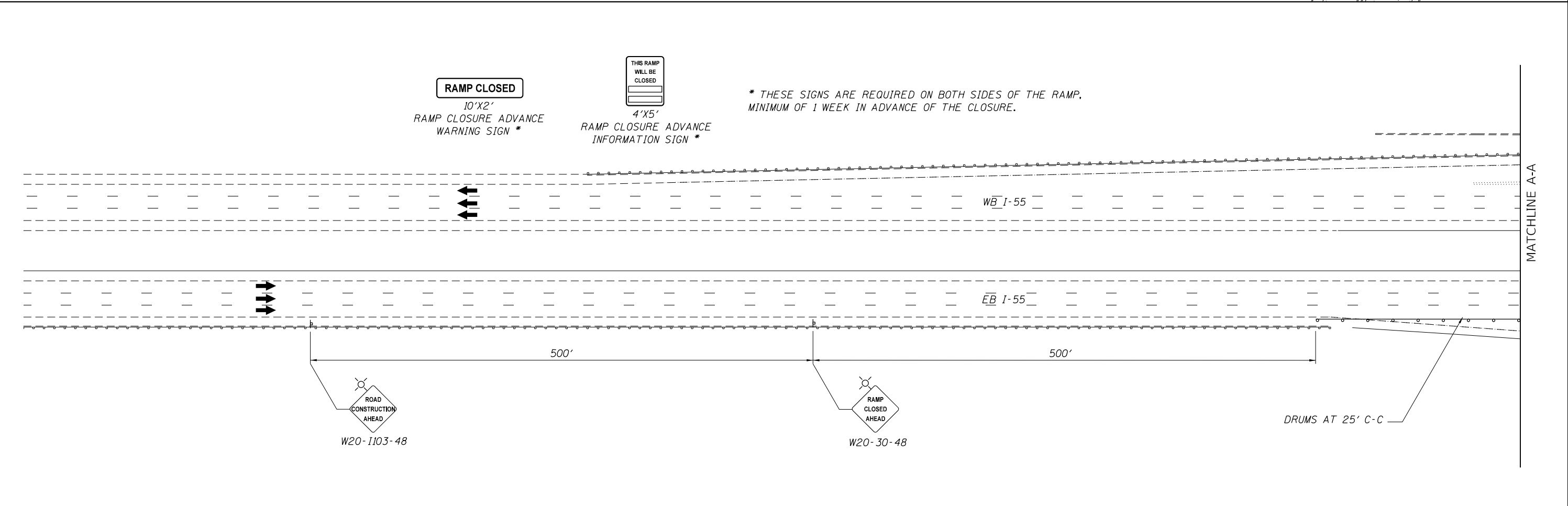
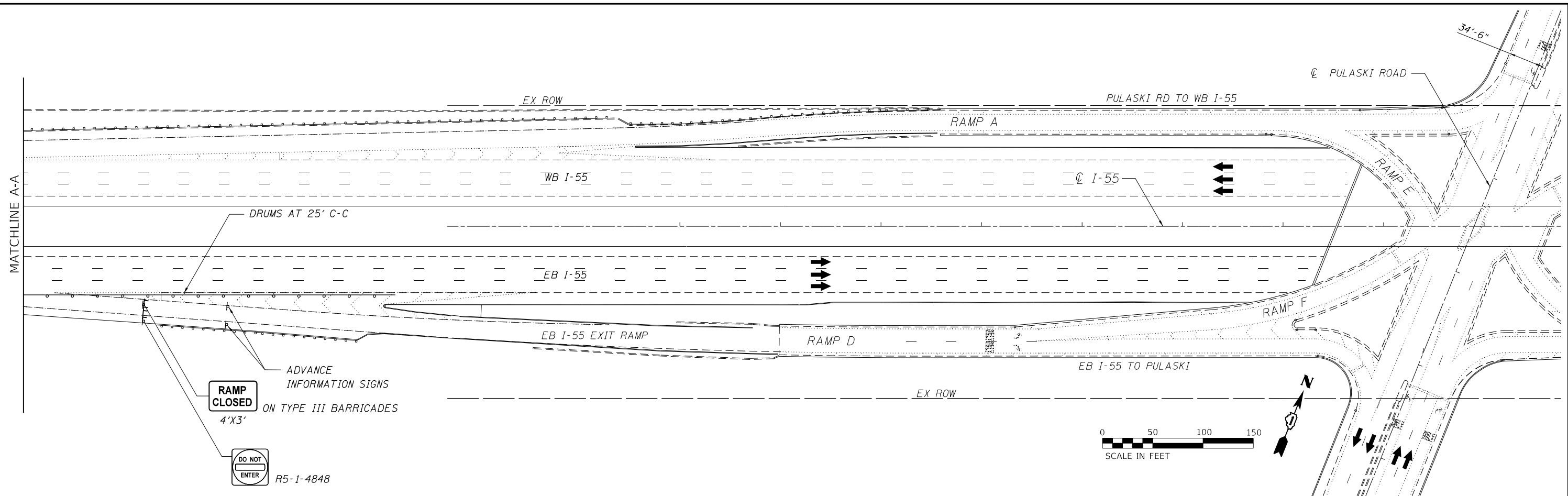
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RECOMMENDED STAGING SEQUENCE - 2
STRUCTURE NO. 016-0744

SHEET NO. 3 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	6
CONTRACT NO. 62H89				

ILLINOIS FED. AID PROJECT



HRC PROJECT NO.: 86560046.20
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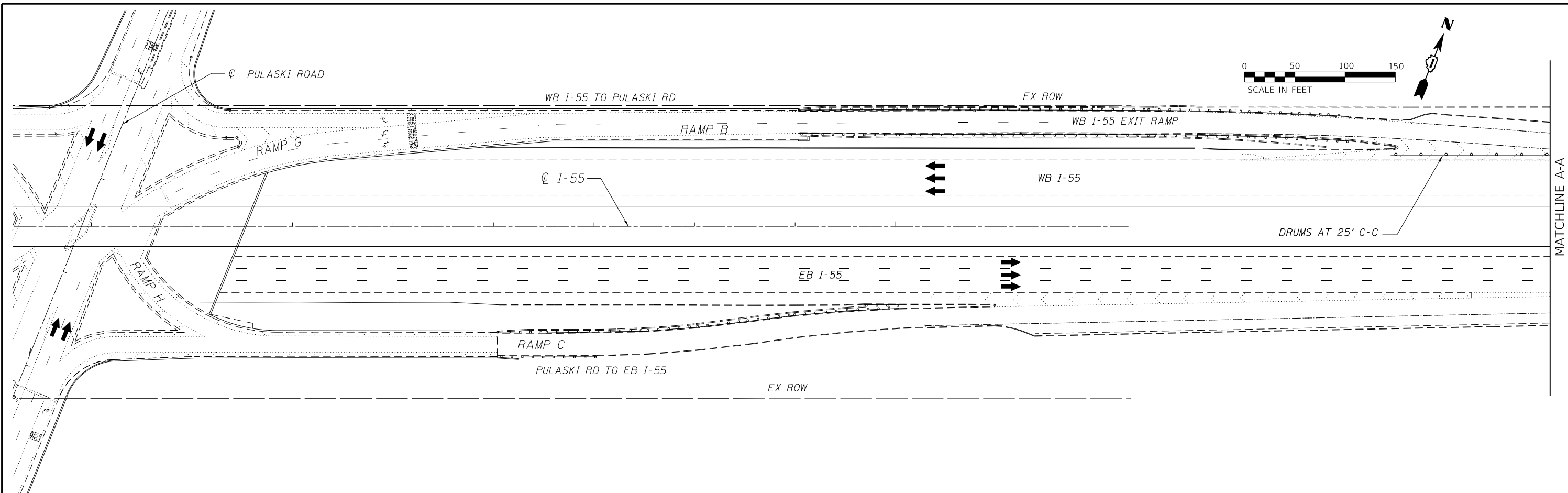
HRGreen.com
 Professional Design Firm
 #184-001322

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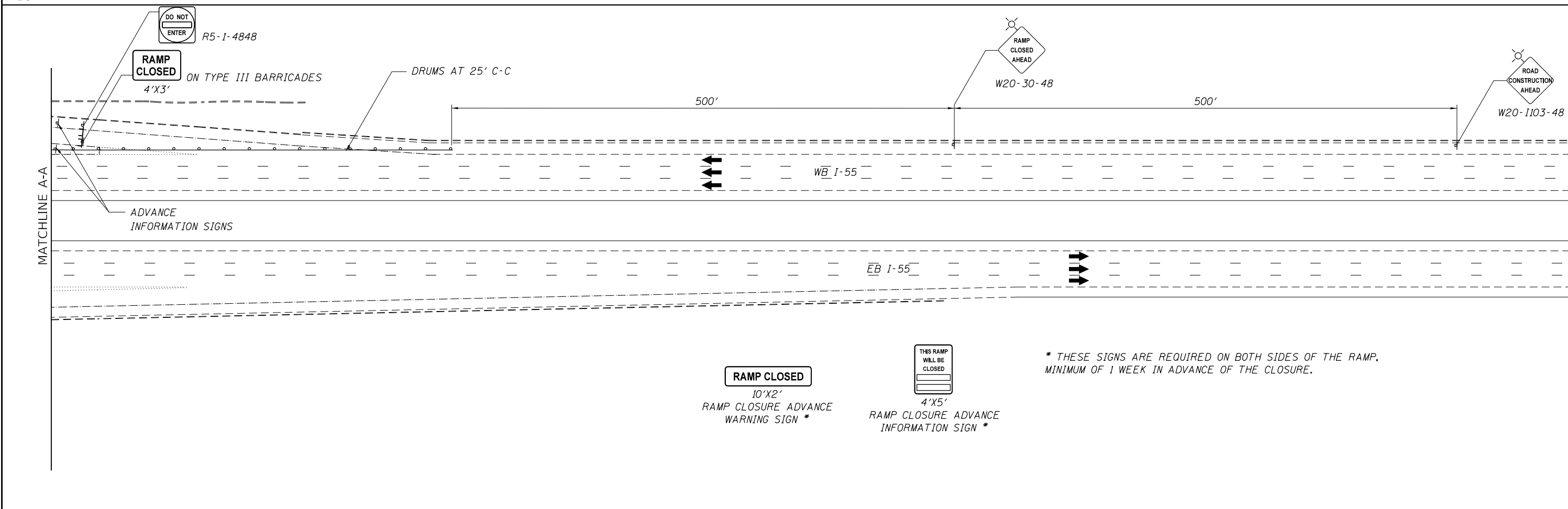
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP D STAGING PLAN
STRUCTURE NO. 016-0744
 SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	7
CONTRACT NO. 62H89			ILLINOIS FED. AID PROJECT	



MATCHLINE A-A



* THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

HRC PROJECT NO.: 16660046.20
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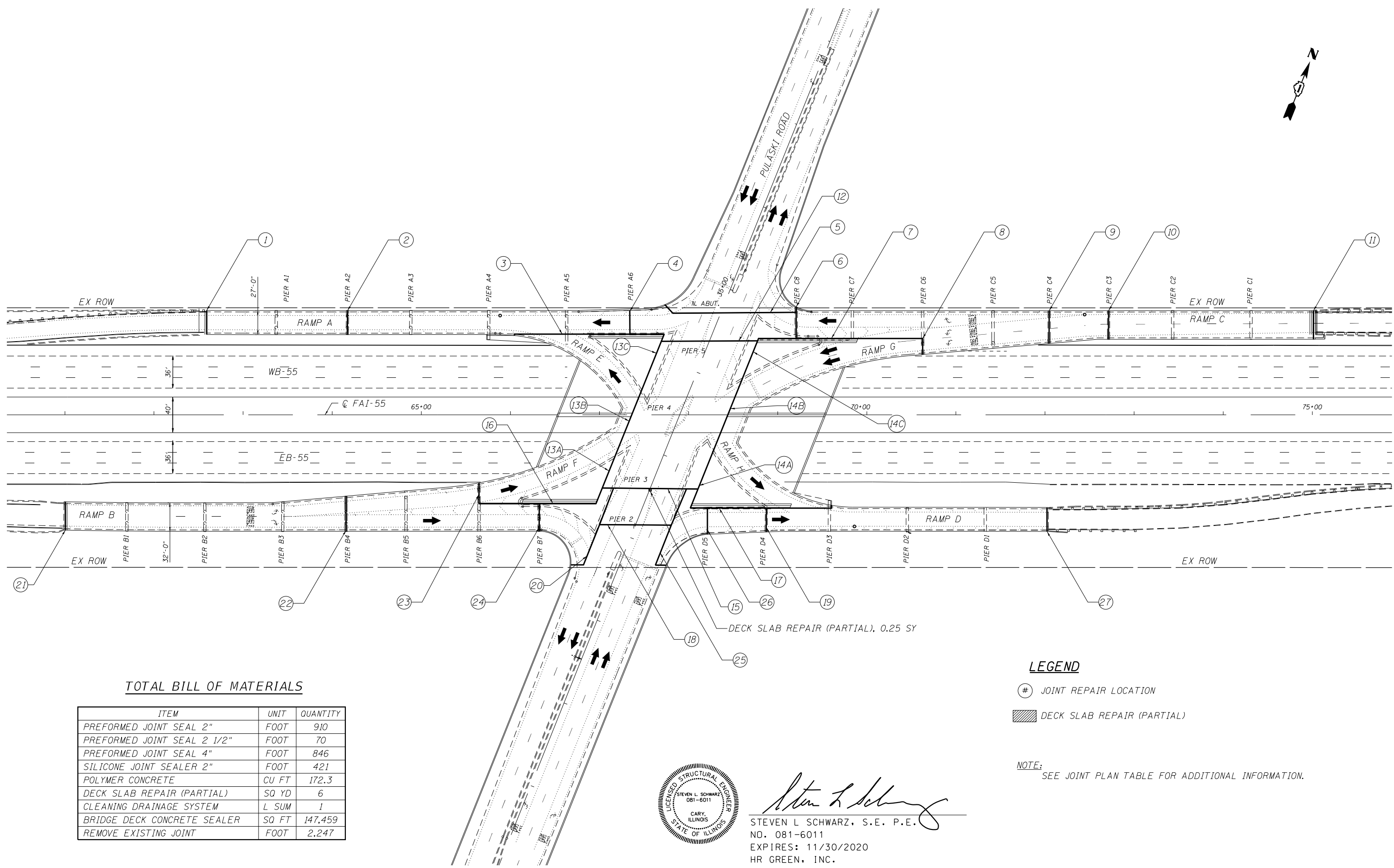
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAMP B STAGING PLAN
STRUCTURE NO. 016-0744**

SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	8
CONTRACT NO. 62H89				

ILLINOIS FED. AID PROJECT



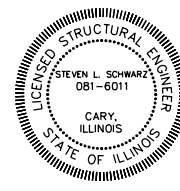
TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
PREFORMED JOINT SEAL 2"	FOOT	910
PREFORMED JOINT SEAL 2 1/2"	FOOT	70
PREFORMED JOINT SEAL 4"	FOOT	846
SILICONE JOINT SEALER 2"	FOOT	421
POLYMER CONCRETE	CU FT	172.3
DECK SLAB REPAIR (PARTIAL)	SQ YD	6
CLEANING DRAINAGE SYSTEM	L SUM	1
BRIDGE DECK CONCRETE SEALER	SQ FT	147,459
REMOVE EXISTING JOINT	FOOT	2,247

LEGEND

- # JOINT REPAIR LOCATION
- ▨ DECK SLAB REPAIR (PARTIAL)

NOTE:
SEE JOINT PLAN TABLE FOR ADDITIONAL INFORMATION.



Steven L. Schwarz
STEVEN L. SCHWARZ, S.E. P.E.
NO. 081-6011
EXPIRES: 11/30/2020
HR GREEN, INC.

HRC PROJECT NO.: 86560046.20
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 FILE NAME: 060744-shr-joint.dgn
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT PLAN
STRUCTURE NO. 016-0744**

SHEET NO. 1 OF 5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	9
CONTRACT NO. 62H89				

ILLINOIS FED. AID PROJECT

JOINT LOCATION	EXISTING JOINT TYPE	JOINT SIZE (INCH)	JOINT LENGTH (FEET)	TYPE OF REPAIR	REMOVE EXIST JOINT (LF)	DECK SLAB REPAIR (PARTIAL) (SY)	PREFORMED JOINT SEAL 2" (LF)	PREFORMED JOINT SEAL 2 1/2" (LF)	PREFORMED JOINT SEAL 4" (LF)	SILICONE JOINT SEALER 2" (LF)	POLYMER CONCRETE (CF)
1	PREFORMED JOINT SEAL	4	28	B	28				28		
2	NEOPRENE EXPANSION JOINT	4	30	A	30				30		3.4
3	NEOPRENE EXPANSION JOINT	2	170	A	170		170				19.4
4	NEOPRENE EXPANSION JOINT	2	30	A	30		30				3.4
5	NEOPRENE EXPANSION JOINT	4	154	A	154				154		17.5
6	NEOPRENE EXPANSION JOINT	2	38	A	38		38				4.3
7	NEOPRENE EXPANSION JOINT	2	188	A	188		188				21.4
8	NEOPRENE EXPANSION JOINT	2	24	A	24		24				2.7
9	NEOPRENE EXPANSION JOINT	4	38	A	38				38		4.3
10	NEOPRENE EXPANSION JOINT	2 1/2	35	A	35			35			4.0
11	PREFORMED JOINT SEAL	2 1/2	35	B	35			35			
12	PREFORMED JOINT SEAL	4	108	C	108				108		
13A	SILICONE JOINT SEALER	2	60	C	60					60	
13B	SILICONE JOINT SEALER	2	78	D	78	5.8				78	
13C	SILICONE JOINT SEALER	2	72	C	72					72	
14A	SILICONE JOINT SEALER	2	72	C	72					72	
14B	SILICONE JOINT SEALER	2	86	C	86					86	
14C	SILICONE JOINT SEALER	2	53	C	53					53	
15	PREFORMED JOINT SEAL	4	110	B	110	0.2			110		
16	NEOPRENE EXPANSION JOINT	2	134	A	134		134				15.3
17	NEOPRENE EXPANSION JOINT	2	164	A	164		164				18.7
18	NEOPRENE EXPANSION JOINT	4	86	A	86				86		9.8
19	NEOPRENE EXPANSION JOINT	2	36	A	36		36				4.1
20	NEOPRENE EXPANSION JOINT	4	112	A	112				112		12.8
21	NEOPRENE EXPANSION JOINT	2	36	A	36		36				4.1
22	NEOPRENE EXPANSION JOINT	4	42	A	42				42		4.8
23	NEOPRENE EXPANSION JOINT	2	28	A	28		28				3.2
24	NEOPRENE EXPANSION JOINT	2	34	A	34		34				3.9
25	NEOPRENE EXPANSION JOINT	4	106	A	106				106		12.1
26	PREFORMED JOINT SEAL	4	32	B	32				32		
27	NEOPRENE EXPANSION JOINT	2	28	A	28		28				3.2
TOTALS					2247	6.00	910	70	846	421	172.3

TYPE OF REPAIR

- A: REMOVE EXISTING NEOPRENE EXPANSION JOINT, INSTALL POLYMER CONCRETE NOSING IN PAD RECESSES, INSTALL PREFORMED JOINT SEAL
 B: REMOVE EXISTING PREFORMED JOINT SEAL, INSTALL PREFORMED JOINT SEAL
 C: REMOVE EXISTING SILICONE JOINT SEAL, INSTALL NEW SILICONE JOINT SEAL
 D: REMOVE EXISTING POLYMER CONCRETE NOSING AND SILICONE JOINT SEAL, INSTALL NEW POLYMER CONCRETE NOSING AND SILICONE JOINT SEAL.
 THE REMOVAL AND REPLACEMENT OF THE POLYMER CONCRETE TO PAID FOR AS DECK SLAB REPAIR (PARTIAL)

NOTES

- CONTRACTOR SHALL USE POLYMER CONCRETE FOR THE REPLACEMENT MATERIAL AT LOCATIONS OF DECK SLAB REPAIRS (PARTIAL)
- FOR LOCATIONS OF PROPOSED PREFORMED JOINT SEAL, THE CONTRACTOR SHALL INSTALL A PREFABRICATED JOINT SEAL MEETING THE REQUIREMENTS FOR A PREFORMED PRE-COMPRESSED, SILICONE COATED, SELF EXPANDING SEALANT SYSTEM AS DETAILED IN THE PREFORMED BRIDGE JOINT SEAL SPECIFICATION.
- REPLACEMENT OF SILICONE JOINT SEAL SHALL BE IN ACCORDANCE WITH THE SILICONE BRIDGE JOINT SEALER SPECIFICATION.

HRC PROJECT NO.: 0660046.20
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 PLOT DRIVER: IL_Pdf.dwg.plt
 PEN TABLE: plotlabel.tbl



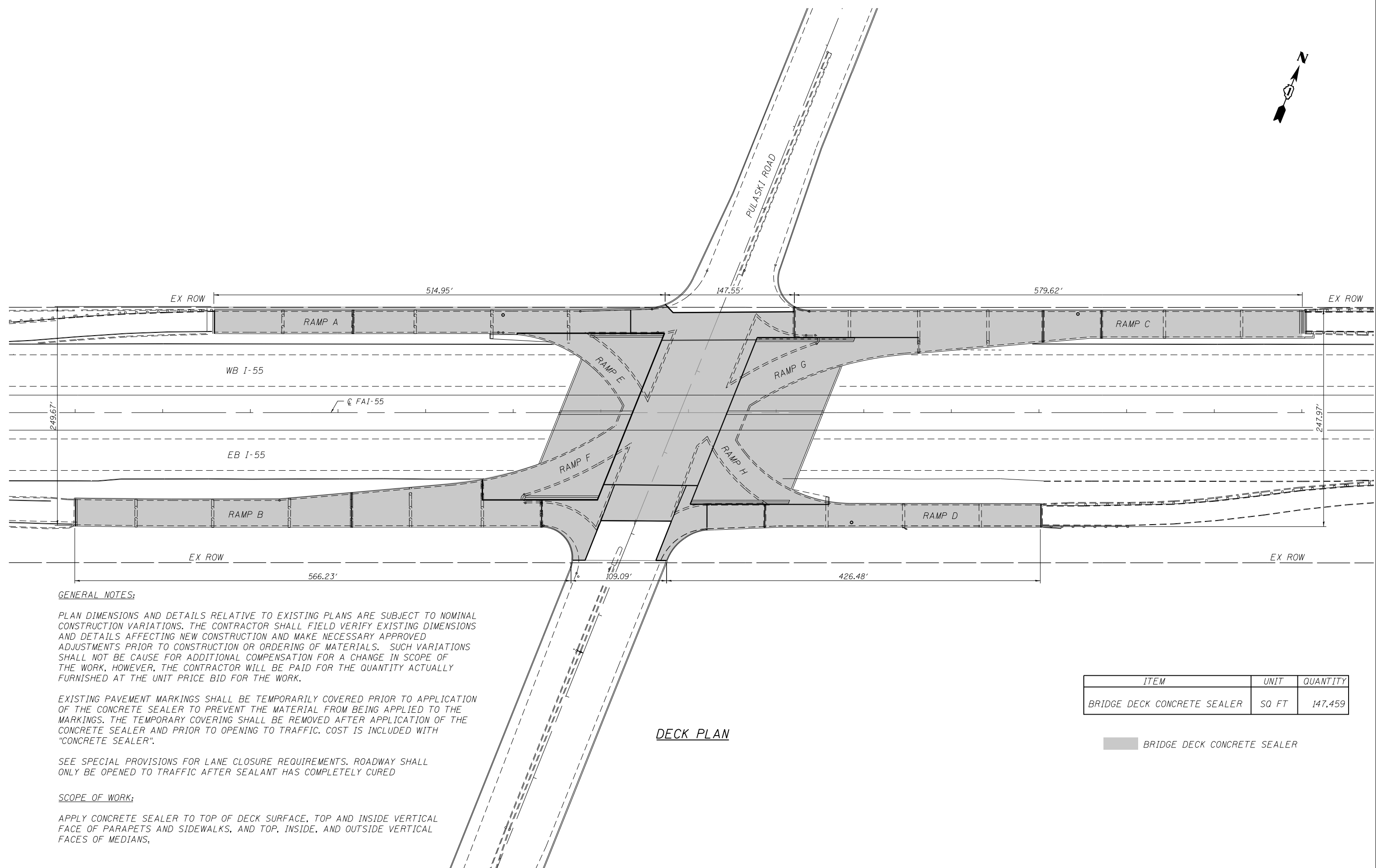
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT PLAN TABLE
STRUCTURE NO. 016-0744**

SHEET NO. 2 OF 5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	10
CONTRACT NO. 62H89				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES:

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

EXISTING PAVEMENT MARKINGS SHALL BE TEMPORARILY COVERED PRIOR TO APPLICATION OF THE CONCRETE SEALER TO PREVENT THE MATERIAL FROM BEING APPLIED TO THE MARKINGS. THE TEMPORARY COVERING SHALL BE REMOVED AFTER APPLICATION OF THE CONCRETE SEALER AND PRIOR TO OPENING TO TRAFFIC. COST IS INCLUDED WITH "CONCRETE SEALER".

SEE SPECIAL PROVISIONS FOR LANE CLOSURE REQUIREMENTS. ROADWAY SHALL ONLY BE OPENED TO TRAFFIC AFTER SEALANT HAS COMPLETELY CURED

SCOPE OF WORK:

APPLY CONCRETE SEALER TO TOP OF DECK SURFACE, TOP AND INSIDE VERTICAL FACE OF PARAPETS AND SIDEWALKS, AND TOP, INSIDE, AND OUTSIDE VERTICAL FACES OF MEDIANS.

ITEM	UNIT	QUANTITY
BRIDGE DECK CONCRETE SEALER	SQ FT	147,459

BRIDGE DECK CONCRETE SEALER

DECK PLAN

HRC PROJECT NO.: 16650046.20
 HRC PROJ. CONTACT:
 FILE NAME: 0160744-shr-sealing.dgn
 PLOT DRIVER: IL_Pdf.dwg.plt
 PEN TABLE: plotlabel.tbl



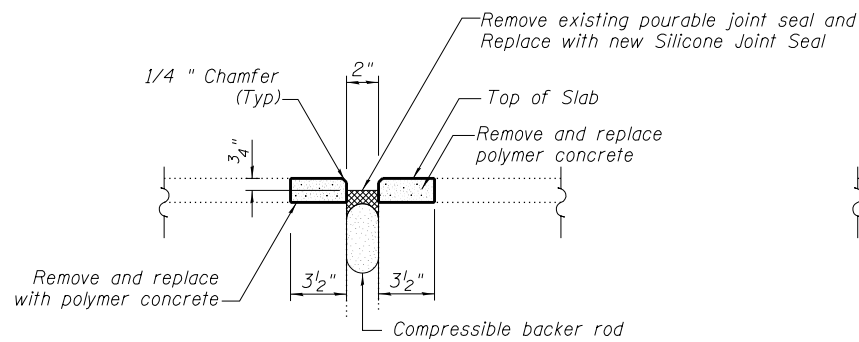
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PLOT DATE = 5/7/2019	DATE - 2/21/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

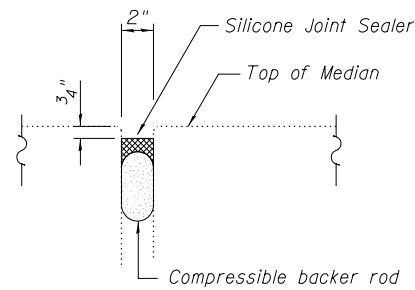
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STRUCTURE NO. 016-0744**

SHEET NO. 3 OF 5 SHEETS

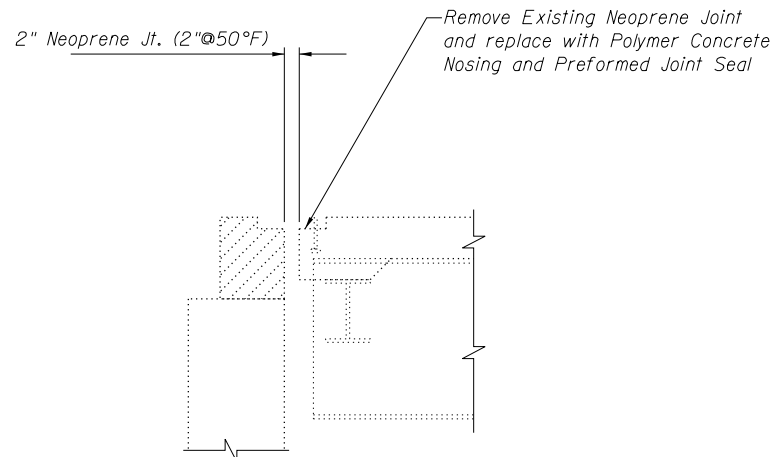
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	11
CONTRACT NO. 62H89			ILLINOIS FED. AID PROJECT	



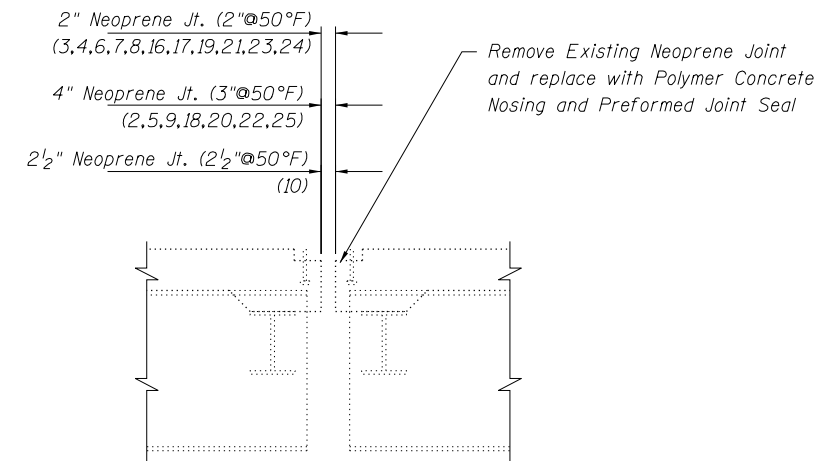
SECTION AT WEST LONGITUDINAL JOINT
(13B)



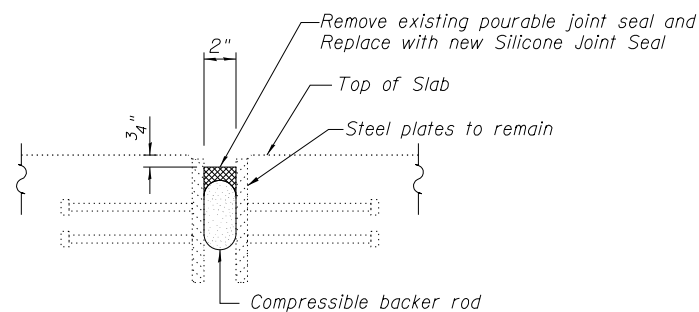
SECTION AT CONCRETE ISLANDS
(13A, 13C, 14A, 14C)



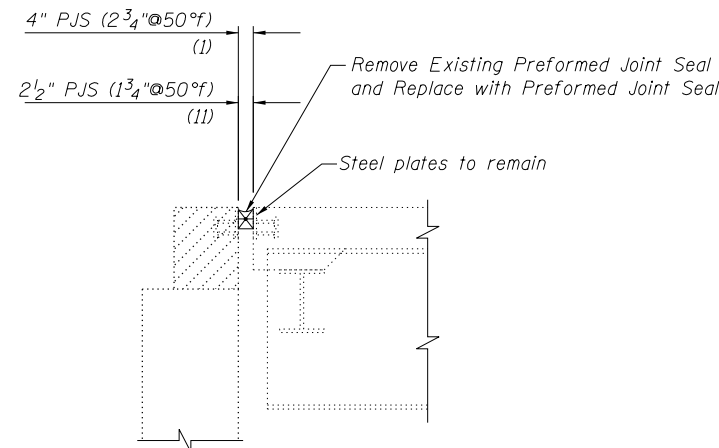
SECTION AT ABUTMENTS
(21, 27)



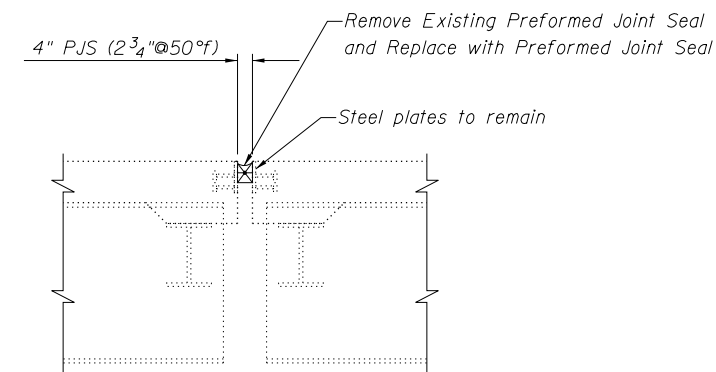
SECTION AT PIERS
(2-10, 16-20, 22-25)



SECTION AT EAST LONGITUDINAL JOINT
(14B)



SECTION AT ABUTMENTS
(1, 11)



SECTION AT PIERS
(12, 15, 26)

HRC PROJECT NO.: 16650046.20
 HRC PROJ. CONTACT:
 FILE NAME: 0160744-shr-detailed-01.dgn
 PLOT DRIVER: IL_Pdf.dwg.plt
 PEN TABLE: plotlabel.tbl



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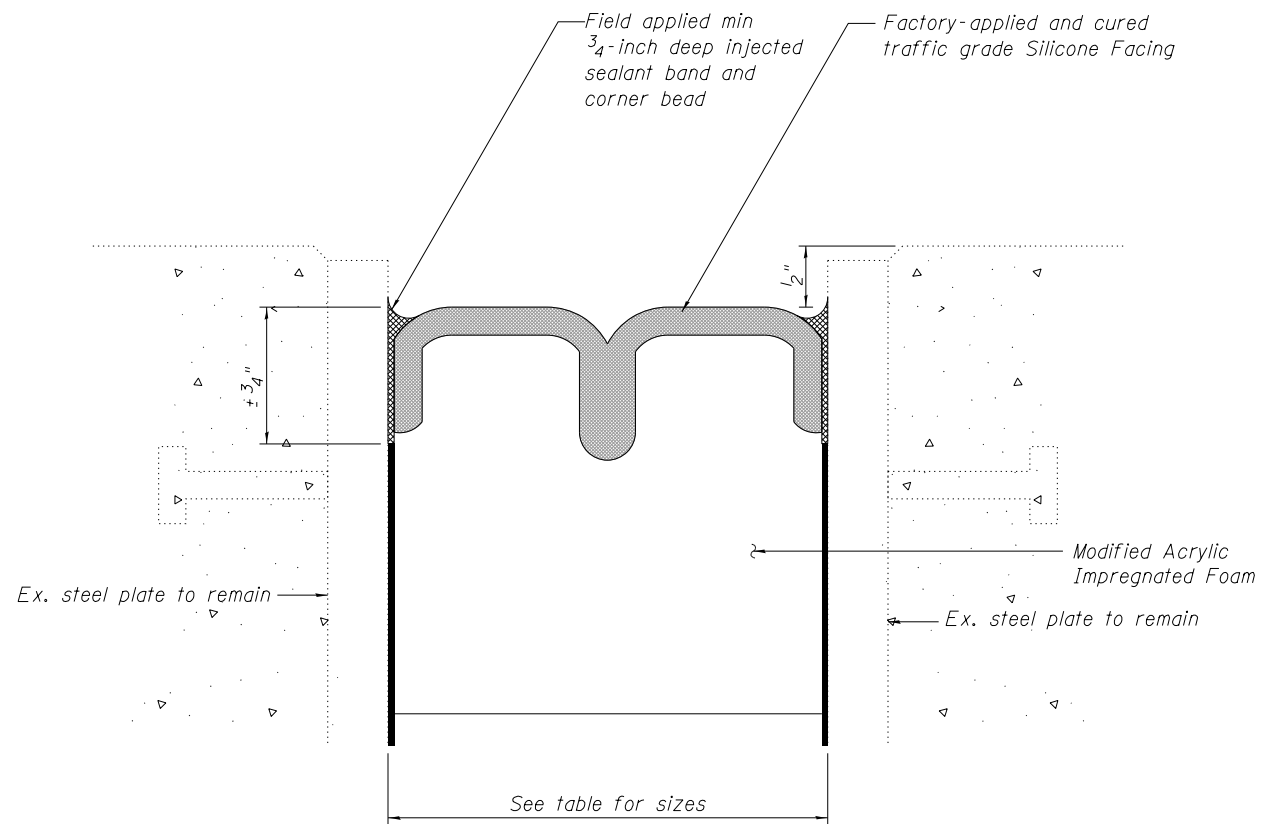
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT DETAILS
STRUCTURE NO. 016-0744**

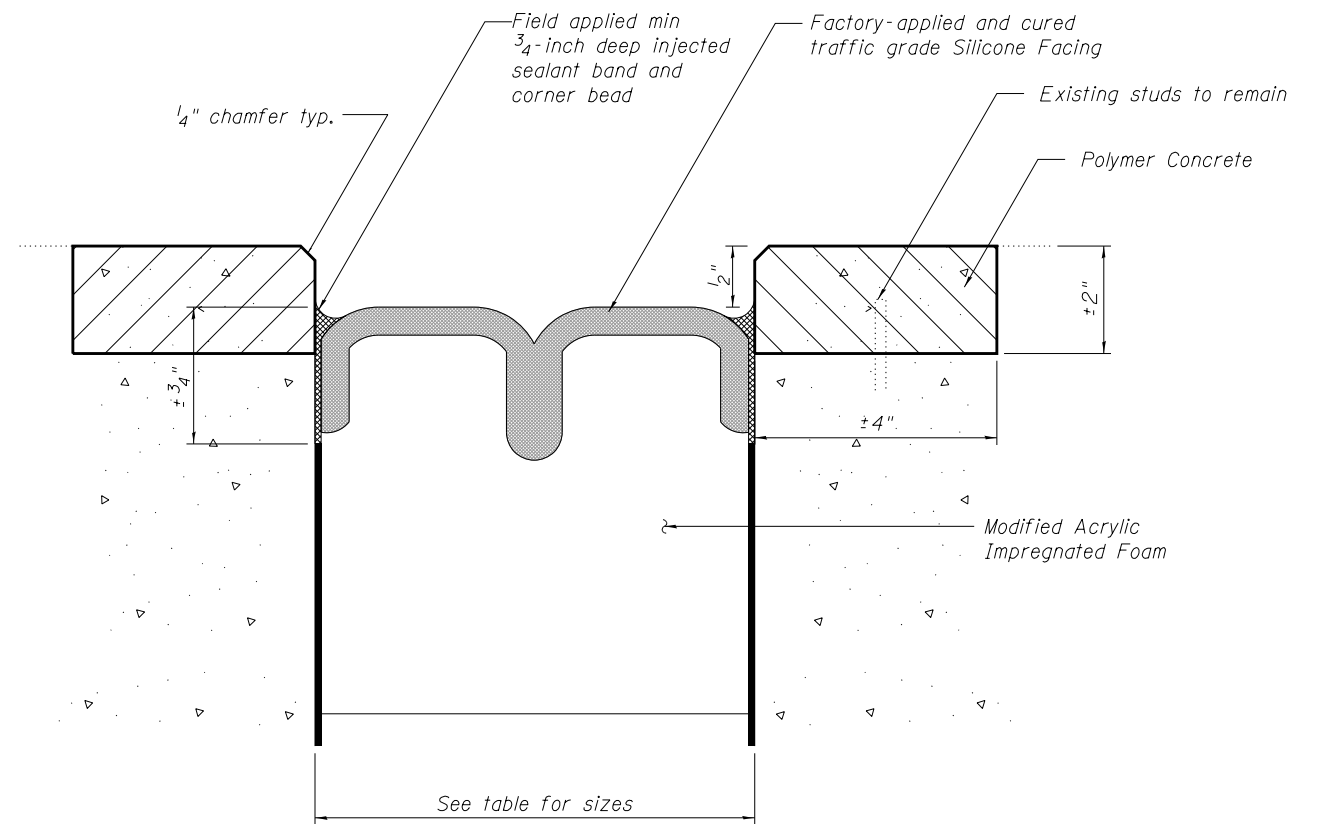
SHEET NO. 4 OF 5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	12
CONTRACT NO. 62H89				

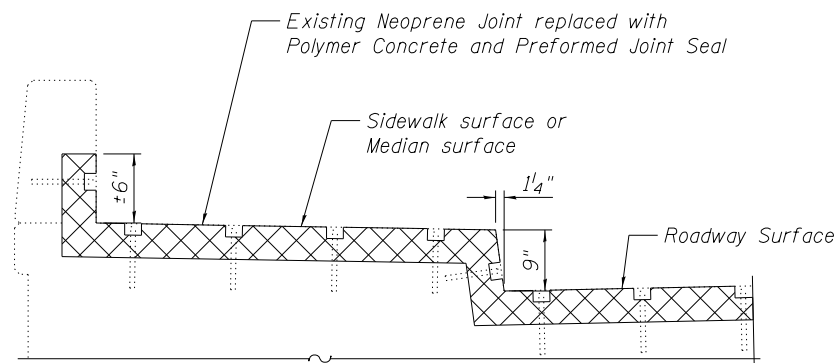
ILLINOIS FED. AID PROJECT



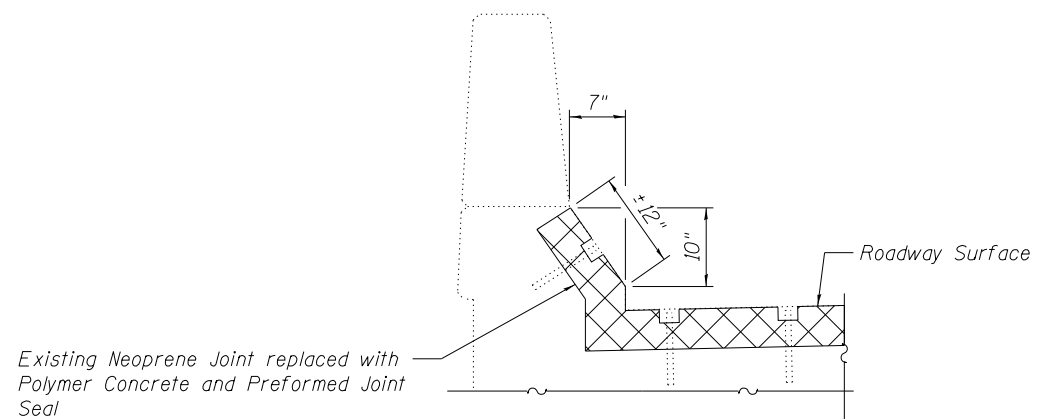
**NEW PREFORMED JOINT SEAL
AT EXISTING PREFORMED JOINT SEAL**



**NEW PREFORMED JOINT SEAL
AT EXISTING NEOPRENE JOINTS**



**AT SIDEWALK OR MEDIAN
TYPICAL END TREATMENTS**



AT PARAPET

Notes:

1. Preformed Joint Seals shall be Preformed Pre-Compressed Silicone Coated Self-Expanding Sealant System.

HRG PROJECT NO.: 16650046.20
 HRG PROJ. CONTACT:
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 PEN TABLE: plotlabel.tbl



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	DRAWN - WJH	REVISED -
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PLOT DATE = 5/7/2019	DATE - 2/21/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT DETAILS
STRUCTURE NO. 016-0744**

SHEET NO. 5 OF 5 SHEETS

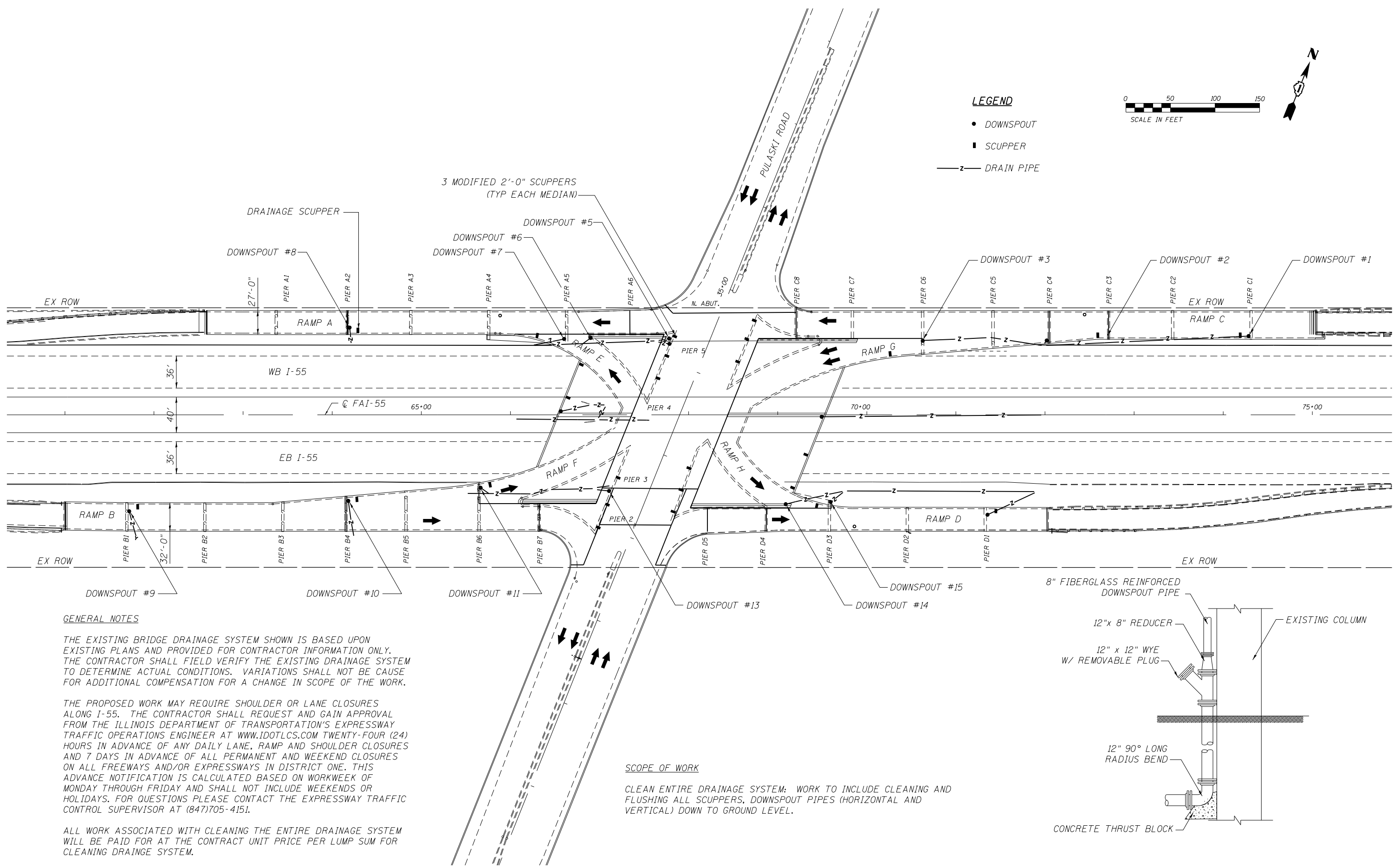
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	13
CONTRACT NO. 62H89				

ILLINOIS FED. AID PROJECT



LEGEND

- DOWNSPOUT
- SCUPPER
- z — DRAIN PIPE



GENERAL NOTES

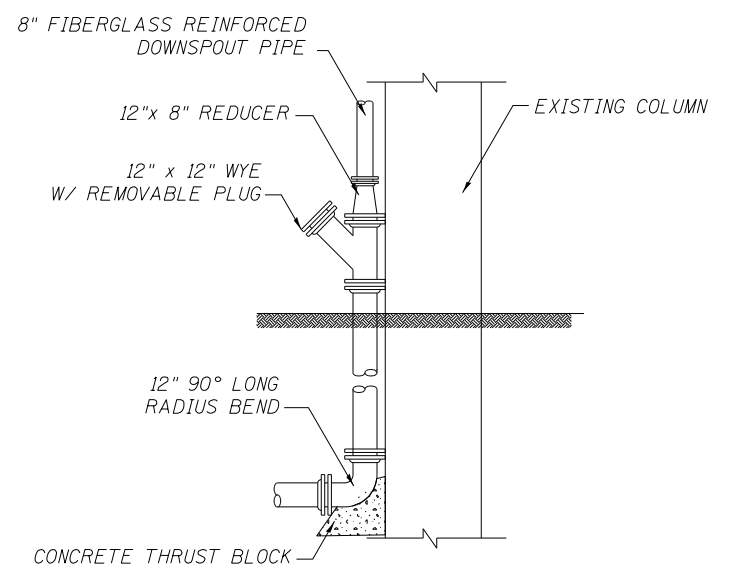
THE EXISTING BRIDGE DRAINAGE SYSTEM SHOWN IS BASED UPON EXISTING PLANS AND PROVIDED FOR CONTRACTOR INFORMATION ONLY. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING DRAINAGE SYSTEM TO DETERMINE ACTUAL CONDITIONS. VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK.

THE PROPOSED WORK MAY REQUIRE SHOULDER OR LANE CLOSURES ALONG I-55. 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 ANY 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. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS. FOR QUESTIONS PLEASE CONTACT THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847)705-4151.

ALL WORK ASSOCIATED WITH CLEANING THE ENTIRE DRAINAGE SYSTEM WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM FOR CLEANING DRAINAGE SYSTEM.

SCOPE OF WORK

CLEAN ENTIRE DRAINAGE SYSTEM: WORK TO INCLUDE CLEANING AND FLUSHING ALL SCUPPERS, DOWNSPOUT PIPES (HORIZONTAL AND VERTICAL) DOWN TO GROUND LEVEL.



HRC PROJECT NO.: 16660046.20
 HRC PROJ. CONTACT:
 FILE NAME: 060744-shr-dra/06046.dgn
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 PEN TABLE: plotlabel.tbl



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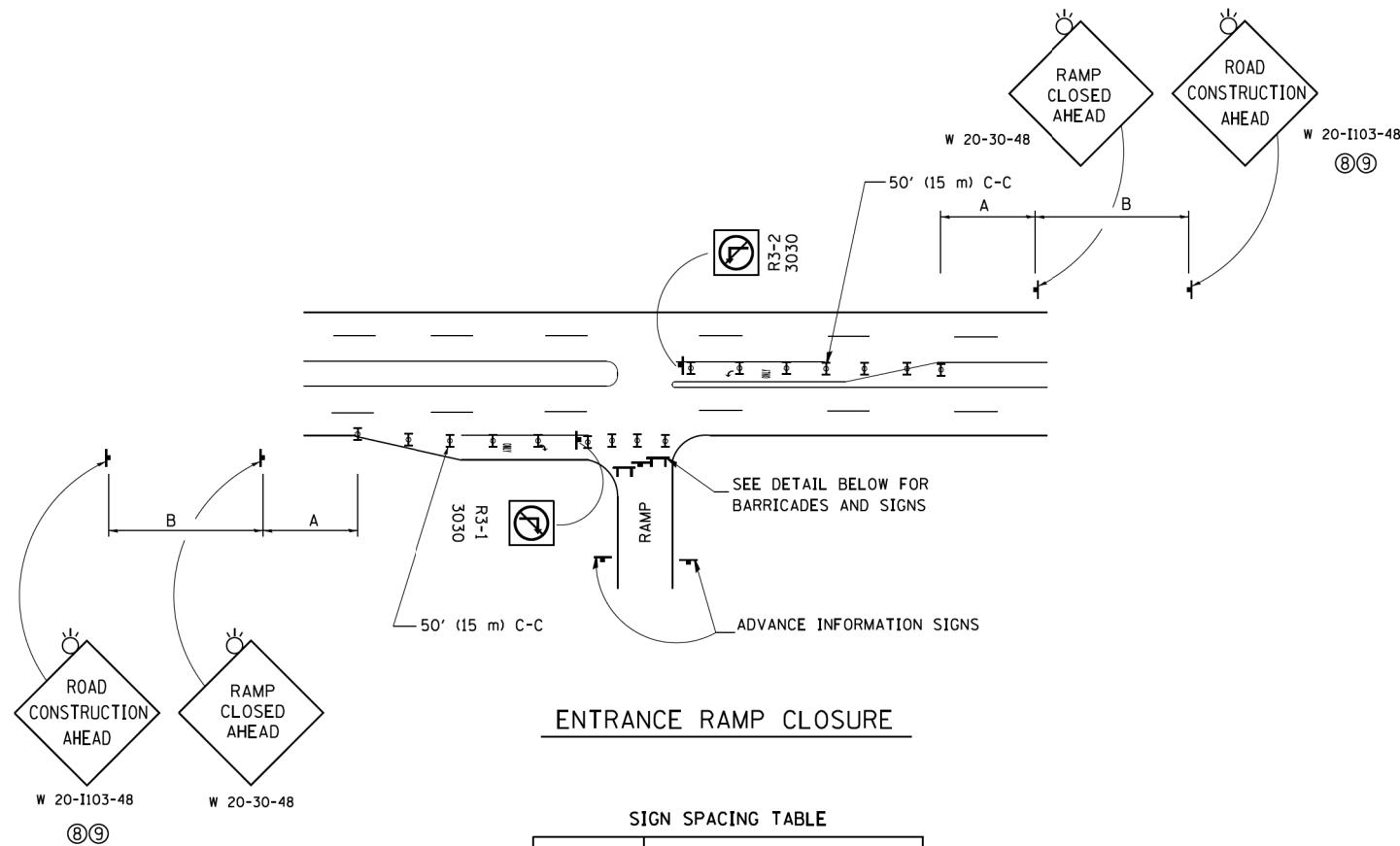
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE SYSTEM PLAN
STRUCTURE NO. 016-0744**

SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	14
CONTRACT NO. 62H89				

ILLINOIS FED. AID PROJECT

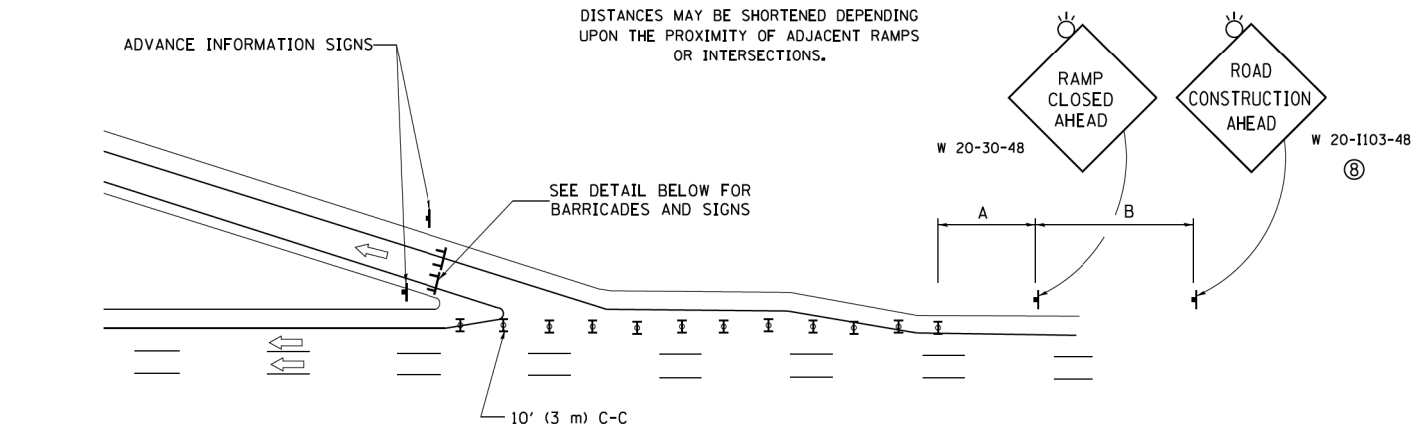


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

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

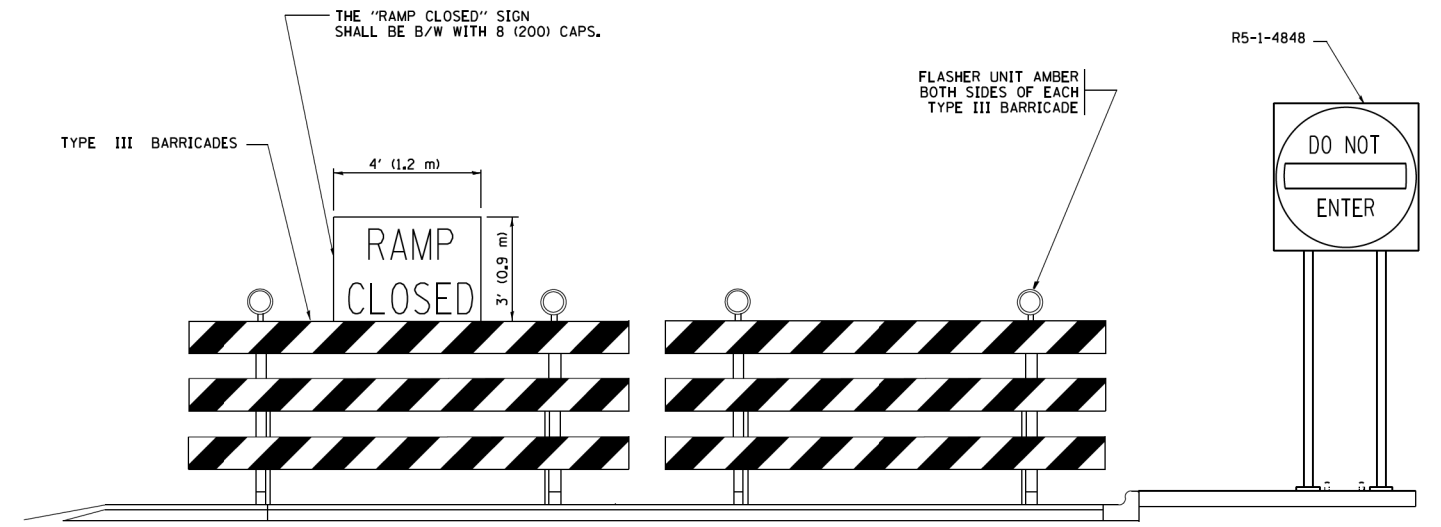
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

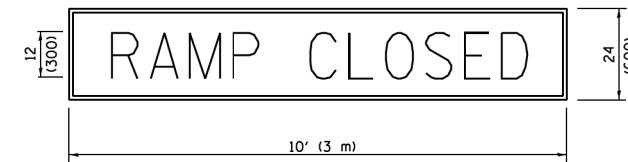
SYMBOLS

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



DETAIL FOR REQUIRED BARRICADES & SIGNS

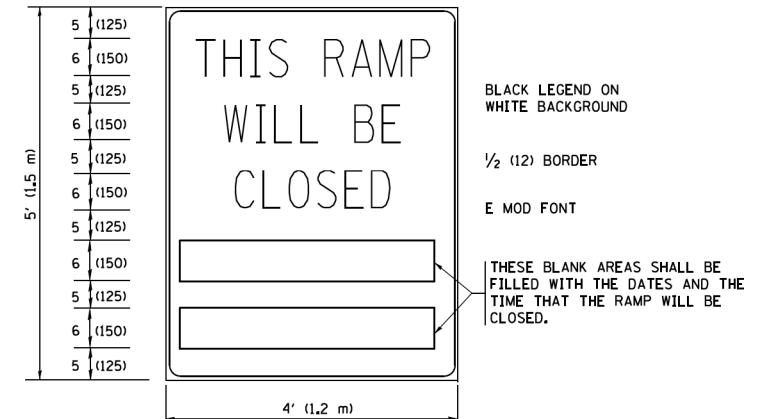
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY E MOD FONT 1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



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.

HRG PROJECT NO.: 8650046.20
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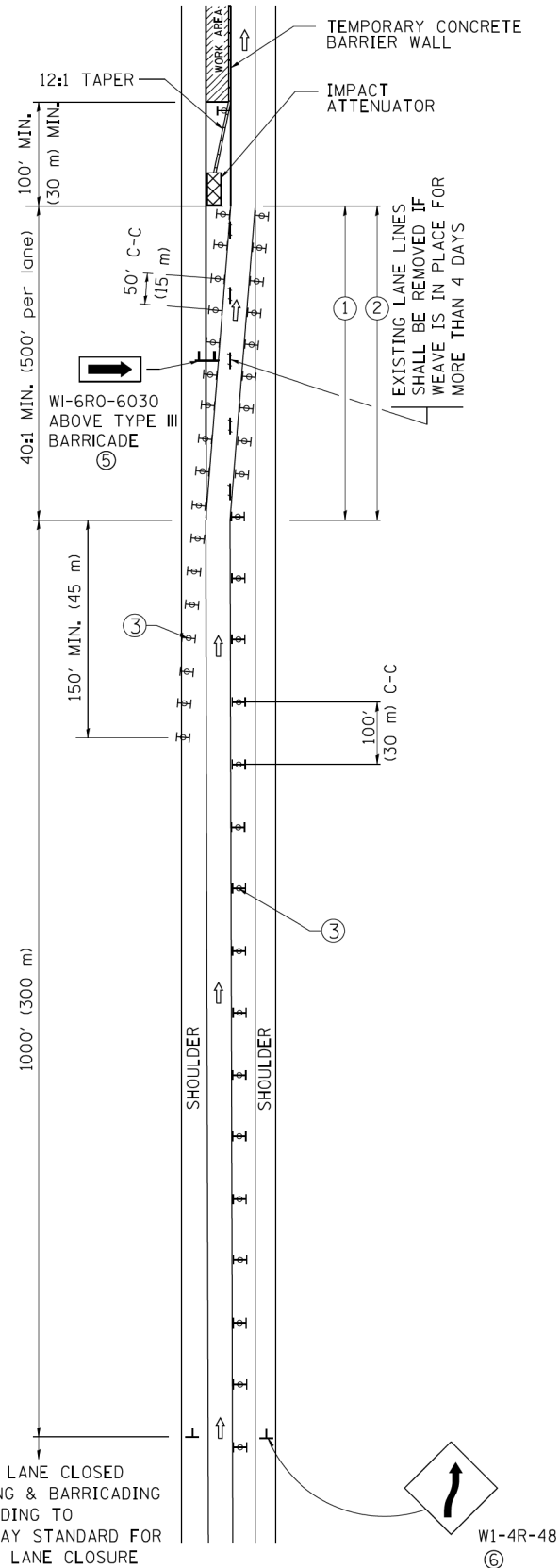
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE AND EXIT RAMP
CLOSURE DETAILS

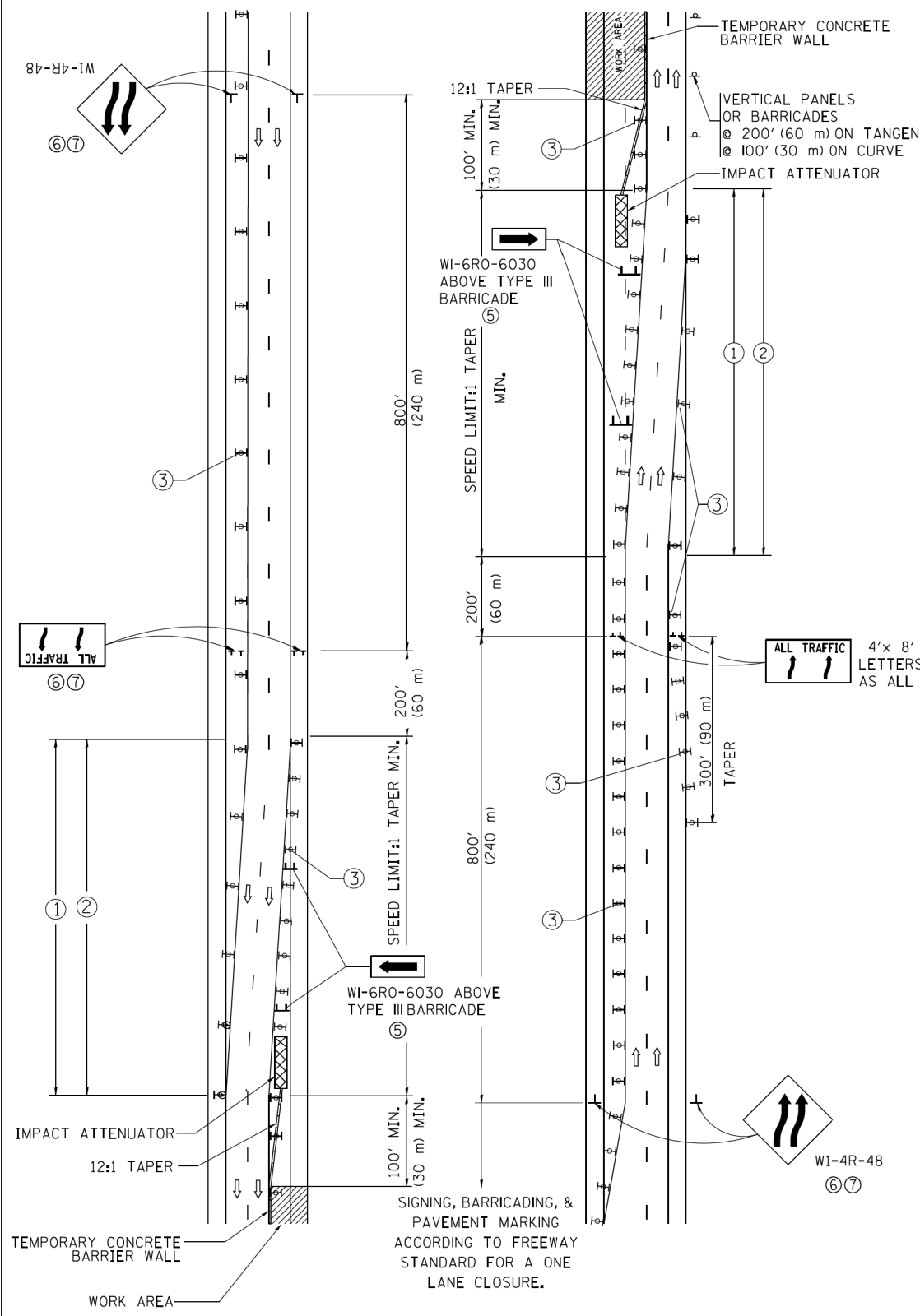
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	15
TC-08		CONTRACT NO. 62H89		
ILLINOIS FED. AID PROJECT				

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.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48
- W24-1-48

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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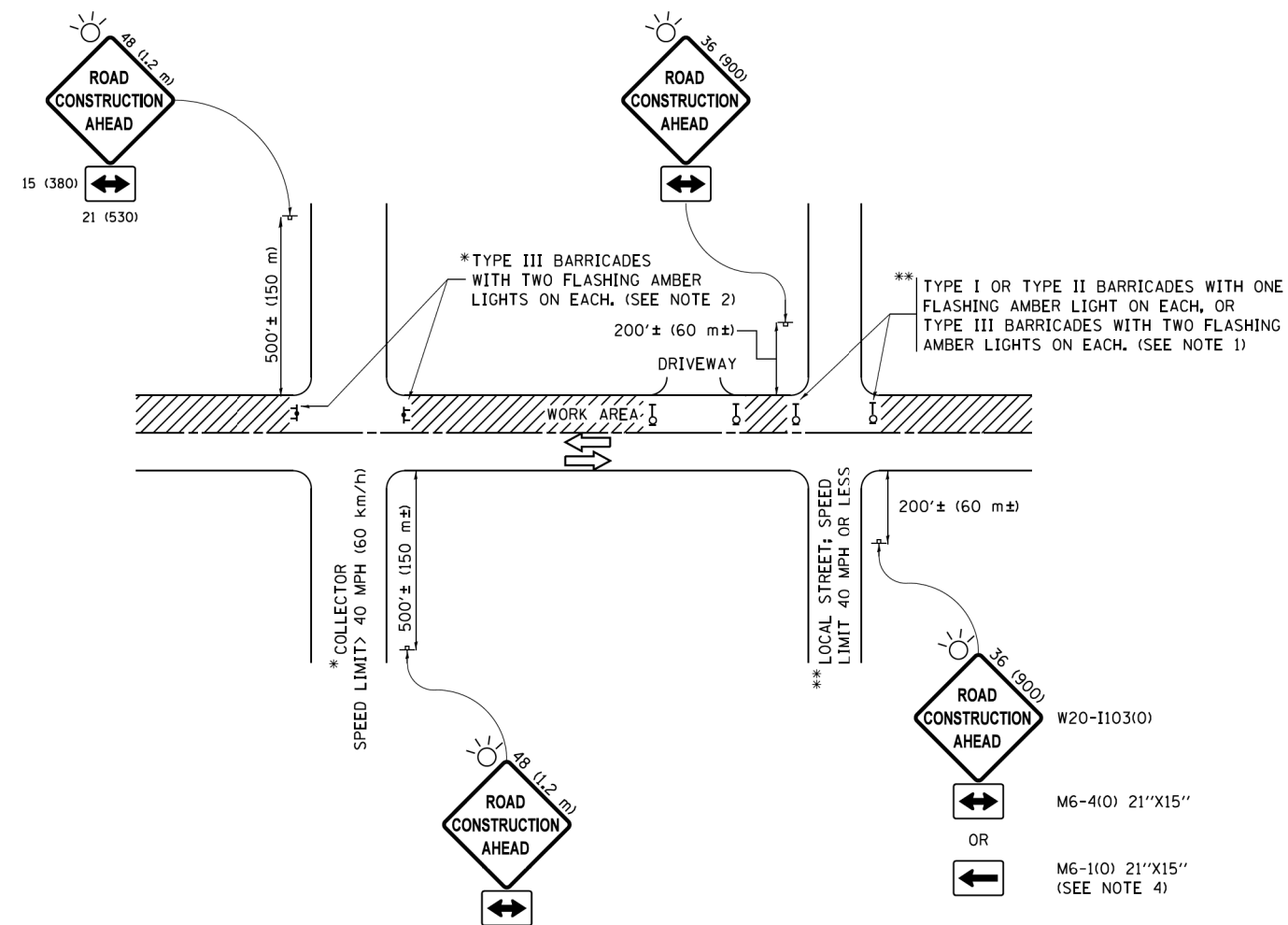
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	PLOT DATE = 7/1/2013	DATE - 02-87	REVISED - MD 06-13

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR
 FREEWAY SINGLE & MULTI-LANE WEAVE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	16
TC-09		CONTRACT NO. 62H89		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

HRG PROJECT NO.: 8650046.20
 HRG PROJ. CONTACT: 8650046.20.sht-Def-TC10.dgn
 FILE NAME: 8650046.20.sht-Def-TC10.dgn
 PEN TABLE:

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Default	PLOT SCALE = 50,000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

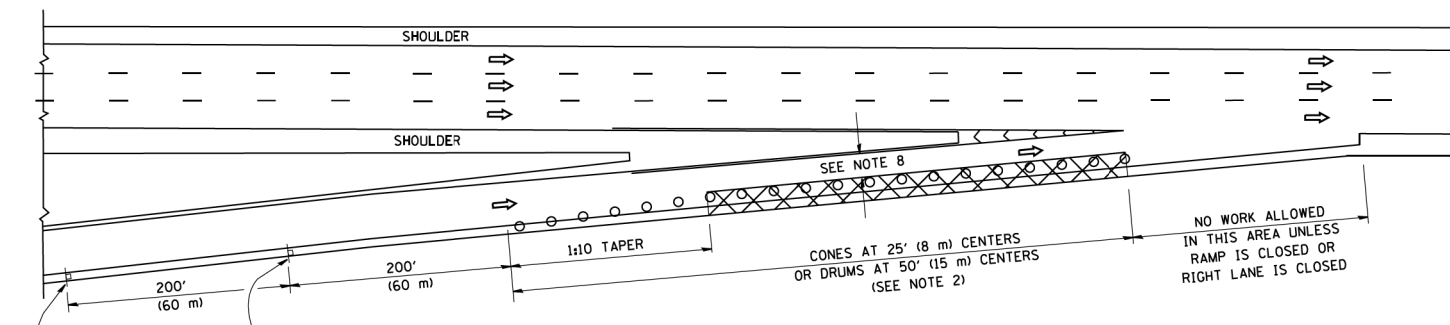
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

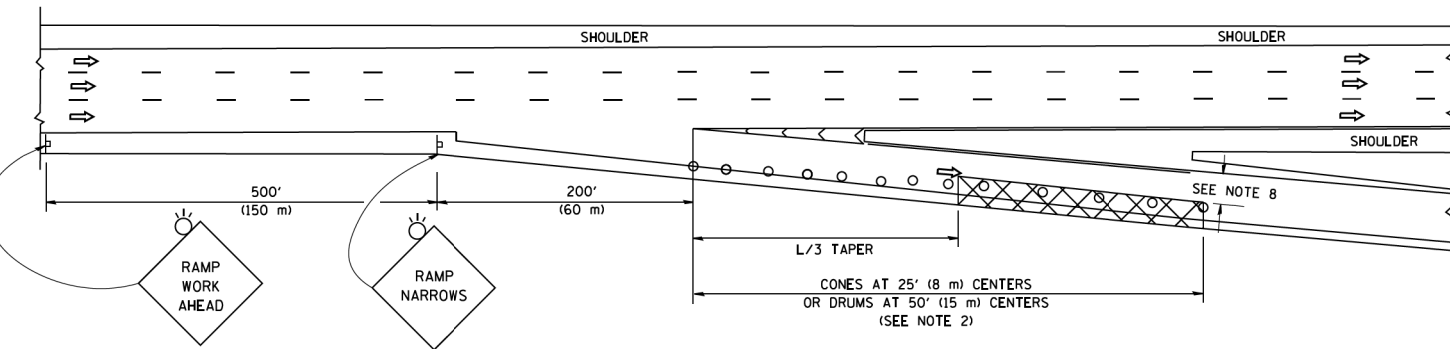
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	17
TC-10			CONTRACT NO. 62H89	
ILLINOIS FED. AID PROJECT				

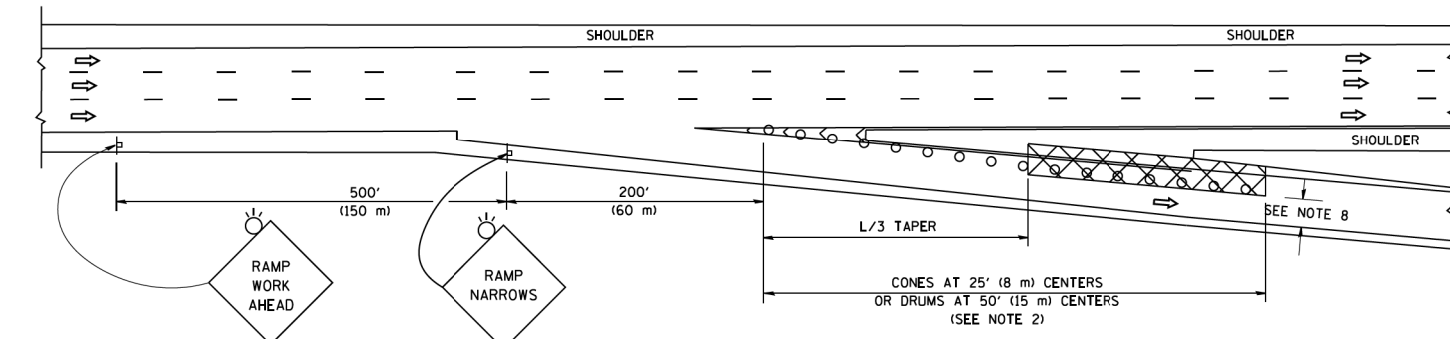
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

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

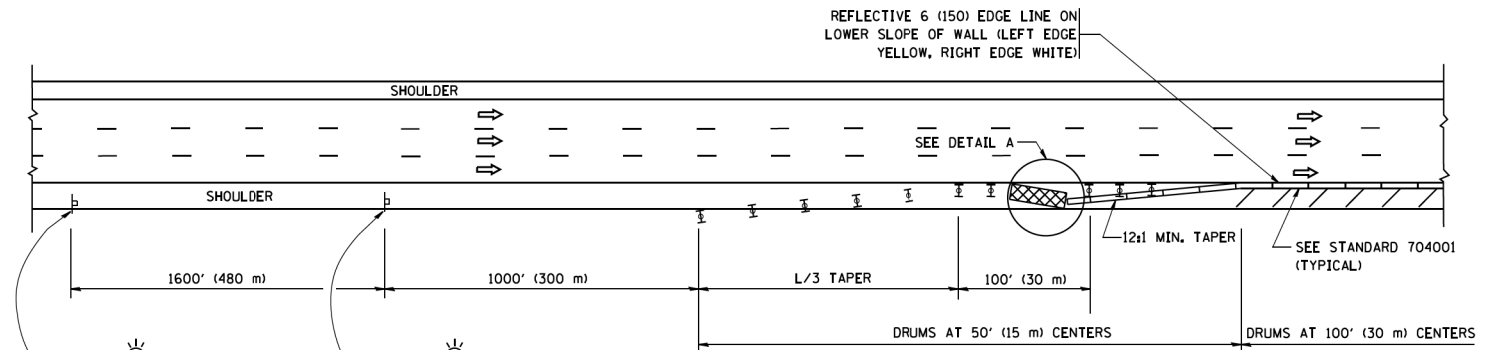
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

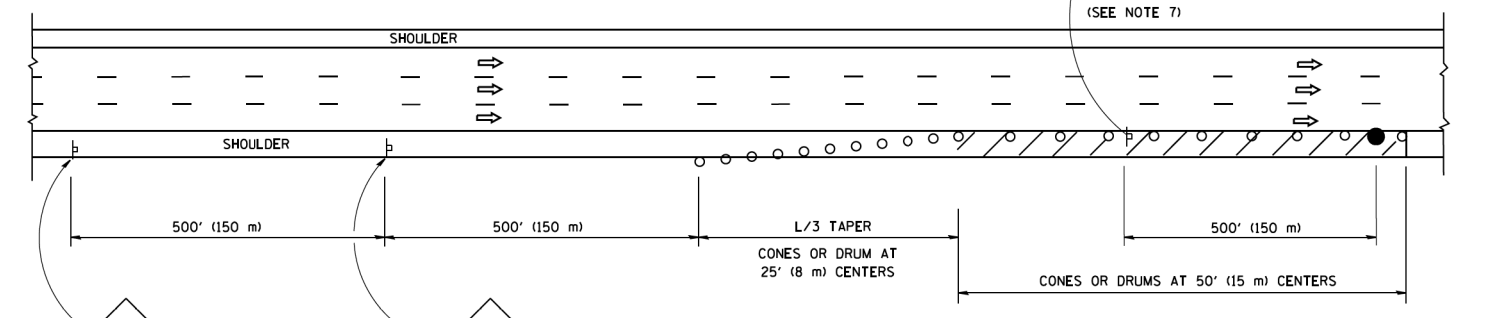
SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER	METRIC ENGLISH
	$L=0.65(W)(S)$ $L=(W)(S)$

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

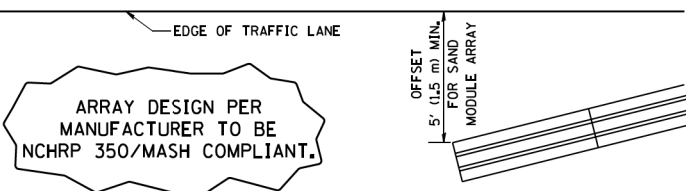
SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE



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

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

HRG PROJECT NO.: 8650046.20
 HRG PROJ CONTACT: 8650046.20.sht-Def-TC17.dgn
 FILE NAME: 8650046.20.sht-Def-TC17.dgn
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		CHECKED -	REVISED - M.D. 06-13
Default	PLOT DATE = 11/27/2017	DATE - 11-96	REVISED - M.D. 01-18

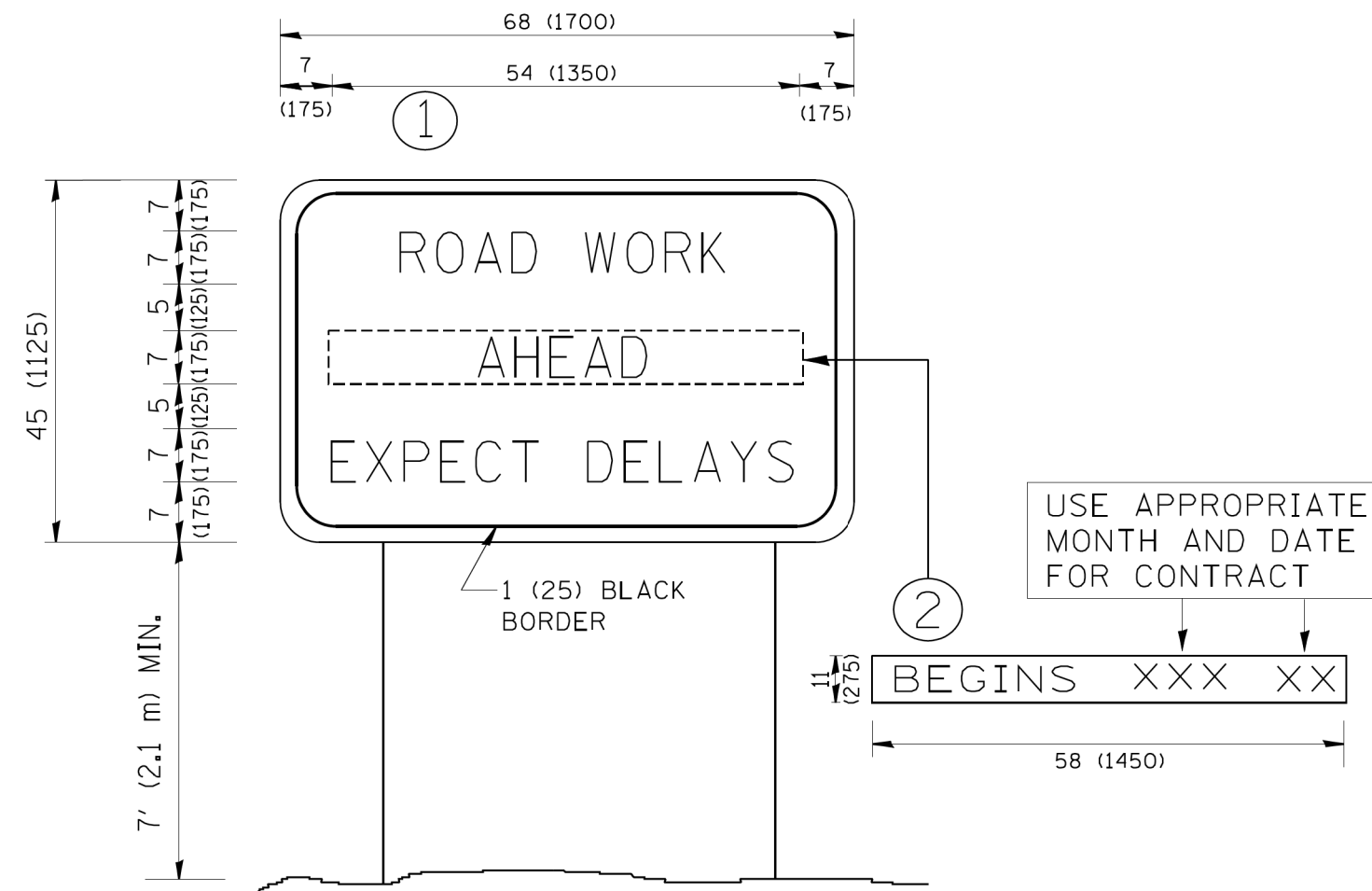
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	18
TC-17		CONTRACT NO. 62H89		
ILLINOIS FED. AID PROJECT				

HRG PROJECT NO.: 8650046.20
 HRG PROJ. CONTACT: 8650046.20.sht-Def-TC22.dgn
 FILE NAME: 8650046.20.sht
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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.

FILE NAME =	USER NAME = gegl1enobt	DESIGNED -	REVISED - R, MIRS 09-15-97
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	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-013-BR	COOK	19	19
TC-22		CONTRACT NO. 62H89		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				