

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2020-021-PP	COOK	18	1
		ILLINOIS	CONTRACT NO. 62K92	

PROPOSED HIGHWAY PLANS

ROUTE FAI I-57
HALSTED ST. TO I-80
SECTION: 2020-021-PP
PATCHING
COOK COUNTY
C-91-210-20

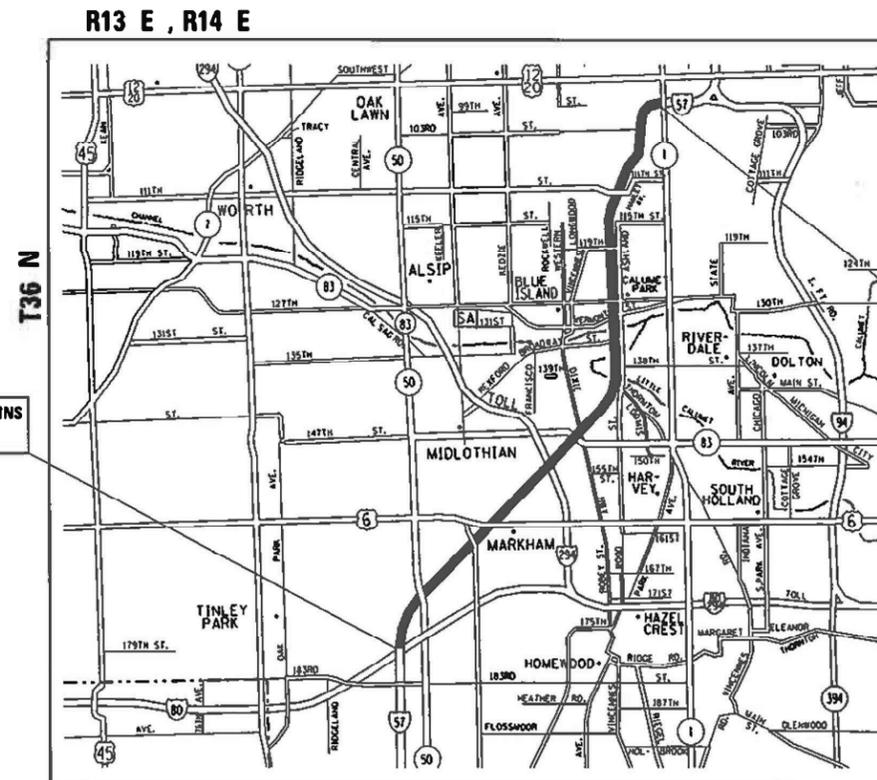
FOR INDEX OF SHEETS, SEE SHEET NO.

THIS PROJECT IS LOCATED IN THE CITY OF CHICAGO AND THE VILLAGES OF CALUMET PARK, DIXMOOR, POSEN, RIVERDALE, MARKHAM, BLUE ISLAND AND COUNTRY CLUB HILLS

TRAFFIC DATA:

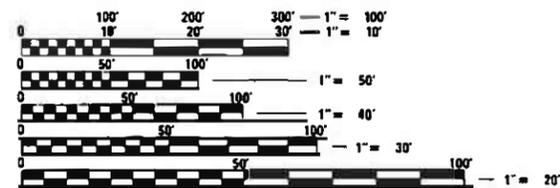
I-57
2019 ADT = 101,600 TO 149,700
POSTED SPEED LIMIT = 55 MPH

D-91-404-20



IMPROVEMENT ENDS
STA. 1757+00

IMPROVEMENT BEGINS
STA. 1090+00



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER DANIEL WILGREEN (847) 705-4240
PROJECT MANAGER FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62K92

BREMEN TOWNSHIP, THORNTON TOWNSHIP, CALUMET TOWNSHIP,
CHICAGO CITY TOWNSHIP

GROSS LENGTH = 66700 FT. = 12.6 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 24 20 20
Anthony Rungtzy REGIONAL ENGINEER
May 8, 2020
J. A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT
May 8, 2020
James J. ...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

LOCATION 3: NORTHBOUND I-57 (CAL SAG TO HALSTED ST) PATCHING

ROUTE:		I-57 (Halsted St. to I-80)					
CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
147th	123rd	NB	L1/SH	3	480	1440	160
147th	123rd	NB	L1/SH	3	80	240	27
123rd	111th	NB	L1/SH	3	80	240	27
123rd	111th	NB	L1/SH	3	100	300	33
123rd	111th	NB	L1/SH	3	160	480	53
123rd	111th	NB	L1/SH	3	720	2160	240
111th	103rd	NB	L1/SH	3	400	1200	133
111th	103rd	NB	L1/SH	3	200	600	67
111th	103rd	NB	L1/SH	3	240	720	80
111th	103rd	NB	L1/SH	3	240	720	80
103rd	Halsted	NB	L1/SH	3	50	150	17
103rd	Halsted	NB	L1/SH	3	50	150	17
103rd	Halsted	NB	L1/SH	3	50	150	17
103rd	Halsted	NB	L1/SH	3	200	600	67
147th	127th	NB	L1	12	8	96	11
147th	127th	NB	L1	12	8	96	11
147th	127th	NB	L1	12	10	120	13
147th	127th	NB	L1/L2	3	50	150	17
147th	127th	NB	L1/L2	3	40	120	13
147th	127th	NB	L1	12	8	96	11
127th	111th	NB	L1/L2	3	150	450	50
127th	111th	NB	L1/L2	3	40	120	13
127th	111th	NB	L1/L2	3	80	240	27
127th	111th	NB	L1	12	8	96	11
127th	111th	NB	L1	12	10	120	13
127th	111th	NB	L1	12	12	144	16
127th	111th	NB	L1	12	8	96	11
127th	111th	NB	L1	12	8	96	11
127th	111th	NB	L1	12	12	144	16
111th	103rd	NB	L1/L2	3	50	150	17
111th	103rd	NB	L1/L2	3	50	150	17

ROUTE:		I-57 (Halsted St. to I-80)						
CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR	
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA	
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)	
111th	103rd	NB	L1	12	8	96	11	
111th	103rd	NB	L1	12	8	96	11	
111th	103rd	NB	L1	12	8	96	11	
103rd	Halsted	NB	L1/L2	3	40	120	13	
103rd	Halsted	NB	L1/L2	3	40	120	13	
103rd	Halsted	NB	L1/L2	3	80	240	27	
Cal Sag	Vermont	NB	L2	12	8	96	11	
127th	119th	NB	L2	12	6	72	8	
127th	119th	NB	L2	12	6	72	8	
127th	119th	NB	L2	12	10	120	13	
127th	119th	NB	L2	12	10	120	13	
127th	119th	NB	L2	12	6	72	8	
127th	119th	NB	L2	12	6	72	8	
119th	111th	NB	L2	12	6	72	8	
119th	111th	NB	L2	12	10	120	13	
119th	111th	NB	L2	12	10	120	13	
119th	111th	NB	L2	12	10	120	13	
111th	Halsted	NB	L2	12	40	480	53	
147th	127th	NB	L3/SH	3	40	120	13	
147th	127th	NB	L3	12	8	96	11	
147th	127th	NB	L3	12	8	96	11	
127th	119th	NB	L3	12	6	72.0	8	
127th	119th	NB	L3	12	6	72	8	
127th	119th	NB	L3	12	8	96	11	
127th	119th	NB	L3	12	8	96	11	
127th	119th	NB	L3	12	8	96	11	
127th	119th	NB	L3	12	8	96	11	
119th	111th	NB	L3	12	8	96	11	
119th	111th	NB	L3	12	8	96	11	
119th	111th	NB	L3	12	8	96	11	
119th	111th	NB	L3	12	15	180	20	
119th	111th	NB	L3	12	6	72	8	
111th	103rd	NB	L3/SH	3	160	480	53	
119th	111th	NB	L3	12	8	96	11	
119th	111th	NB	L3	12	8	96	11	
119th	111th	NB	L3	12	8	96	11	
119th	111th	NB	L3	12	15	180	20	
119th	111th	NB	L3	12	6	72	8	
111th	103rd	NB	L3/SH	3	160	480	53	
111th	103rd	NB	L3	12	12	144	16	
111th	103rd	NB	L3/SH	3	200	600	67	
111th	103rd	NB	L3/SH	3	80	240	27	
103rd	Halsted	NB	L3/SH	3	100	300	33	
103rd	Halsted	NB	L3/SH	3	100	300	33	
103rd	Halsted	NB	L3/SH	3	80	240	27	
103rd	Halsted	NB	L3/SH	3	80	240	27	
103rd	Halsted	NB	L3	12	50	600	67	
103rd	Halsted	NB	L3	12	50	600	67	
TOTAL:						5159	19518	2175
						LF	SF	SY

NOTE:

ALL 12' WIDE PATCHES (FULL LANE WIDTH) THAT ARE LESS THAN OR EQUAL TO 30' IN LENGTH ARE TO BE CLASSIFIED AS CLASS D PATCHES. ALL OTHER SIZE PATCHES ARE TO BE CLASSIFIED AS 2" PARTIAL DEPTH PATCHES. PARTIAL DEPTH PATCHES SHALL INCLUDE 2" HMA SURFACE REMOVAL AND PLACEMENT OF POLYMERIZED HMA SURFACE COURSE, MIX "E".

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PATCHING SCHEDULE OF QUANTITIES
I-57 (HALSTED ST. TO I-80)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2020-021-PP	COOK	18	8
ILLINOIS FED. AID PROJECT			CONTRACT NO.	62K92

LOCATION 4: SOUTHBOUND I-57 (CAL SAG TO HALSTED ST) PATCHING

ROUTE:		I-57 (Halsted St. to I-80)					
CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
Halsted	103rd	SB	SH/L1	3	80	240	27
Halsted	103rd	SB	SH/L1	3	200	600	67
Halsted	103rd	SB	SH/L1	3	80	240	27
Halsted	103rd	SB	SH/L1	3	80	240	27
103rd	111th	SB	SH/L1	3	40	120	13
103rd	111th	SB	SH/L1	3	120	360	40
103rd	111th	SB	SH/L1	3	240	720	80
103rd	111th	SB	SH/L1	3	300	900	100
103rd	111th	SB	SH/L1	3	120	360	40
111th	119th	SB	SH/L1	3	80	240	27
111th	119th	SB	SH/L1	3	400	1200	133
111th	119th	SB	SH/L1	3	480	1440	160
111th	119th	SB	SH/L1	3	400	1200	133
111th	119th	SB	SH/L1	3	720	2160	240
119th	Vermont St.	SB	SH/L1	3	320	960	107
119th	Vermont St.	SB	SH/L1	3	160	480	53
119th	Vermont St.	SB	SH/L1	3	200	600	67
119th	Vermont St.	SB	SH/L1	3	100	300	33
119th	Vermont St.	SB	SH/L1	3	100	300	33
119th	Vermont St.	SB	SH/L1	3	80	240	27
119th	Vermont St.	SB	SH/L1	3	400	1200	133
119th	Vermont St.	SB	SH/L1	3	80	240	27
119th	Vermont St.	SB	SH/L1	3	200	600	67
119th	Vermont St.	SB	SH/L1	3	400	1200	133
119th	Vermont St.	SB	SH/L1	3	300	900	100
119th	Vermont St.	SB	SH/L1	3	80	240	27
Halsted	99th	SB	L1	12	200	2400	267
Halsted	99th	SB	L1/L2	3	80	240	27
Halsted	99th	SB	L1/L2	3	180	540	60
Halsted	99th	SB	L1/L2	3	160	480	53
Halsted	99th	SB	L1/L2	3	80	240	27
Halsted	99th	SB	L1/L2	3	240	720	80
99th	103rd	SB	L1/L2	3	160	480	53
99th	103rd	SB	L1/L2	3	320	960	107

ROUTE:		I-57 (Halsted St. to I-80)					
CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
99th	103rd	SB	L1/L2	3	560	1680	187
99th	103rd	SB	L1/L2	3	80	240	27
103rd	111th	SB	L1/L2	3	400	1200	133
103rd	111th	SB	L1/L2	3	80	240	27
103rd	111th	SB	L1/L2	3	80	240	27
103rd	111th	SB	L1/L2	3	240	720	80
103rd	111th	SB	L1/L2	3	80	240	27
103rd	111th	SB	L1/L2	3	300	900	100
103rd	111th	SB	L1/L2	3	80	240	27
103rd	111th	SB	L1	12	8	96	11
103rd	111th	SB	L1/L2	3	500	1500	167
103rd	111th	SB	L1/L2	3	80	240	27
103rd	111th	SB	L1/L2	3	50	150	17
103rd	111th	SB	L1/L2	3	50	150	17
111th	119th	SB	L1/L2	3	320	960	107
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1	12	12	144	16
111th	119th	SB	L1/L2	3	150	450	50
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1	12	12	144	16
111th	119th	SB	L1	12	12	144	16
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1/L2	3	1000	3000	333
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1	12	8	96	11
111th	119th	SB	L1/L2	3	2000	6000	667
119th	127th	SB	L1	12	8	96	11
119th	127th	SB	L1/L2	3	1600	4800	533
119th	127th	SB	L1	12	8	96	11
119th	127th	SB	L1	12	8	96	11
119th	127th	SB	L1	12	8	96	11
119th	127th	SB	L1/L2	3	400	1200	133

NOTE:
 ALL 12' WIDE PATCHES (FULL LANE WIDTH) THAT ARE LESS THAN OR EQUAL TO 30' IN LENGTH ARE TO BE CLASSIFIED AS CLASS D PATCHES. ALL OTHER SIZE PATCHES ARE TO BE CLASSIFIED AS 2" PARTIAL DEPTH PATCHES. PARTIAL DEPTH PATCHES SHALL INCLUDE 2" HMA SURFACE REMOVAL AND PLACEMENT OF POLYMERIZED HMA SURFACE COURSE, MIX "E".

**SOUTHBOUND PATCHING
 CONTINUED ON THE FOLLOWING PAGE**

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PLOT DATE = 3/31/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PATCHING SCHEDULE OF QUANTITIES
 I-57 (HALSTED ST. TO I-80)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2020-021-PP	COOK	18	9
CONTRACT NO. 62K92				
ILLINOIS		FED. AID PROJECT		

I-57 PATCHING SUMMARY

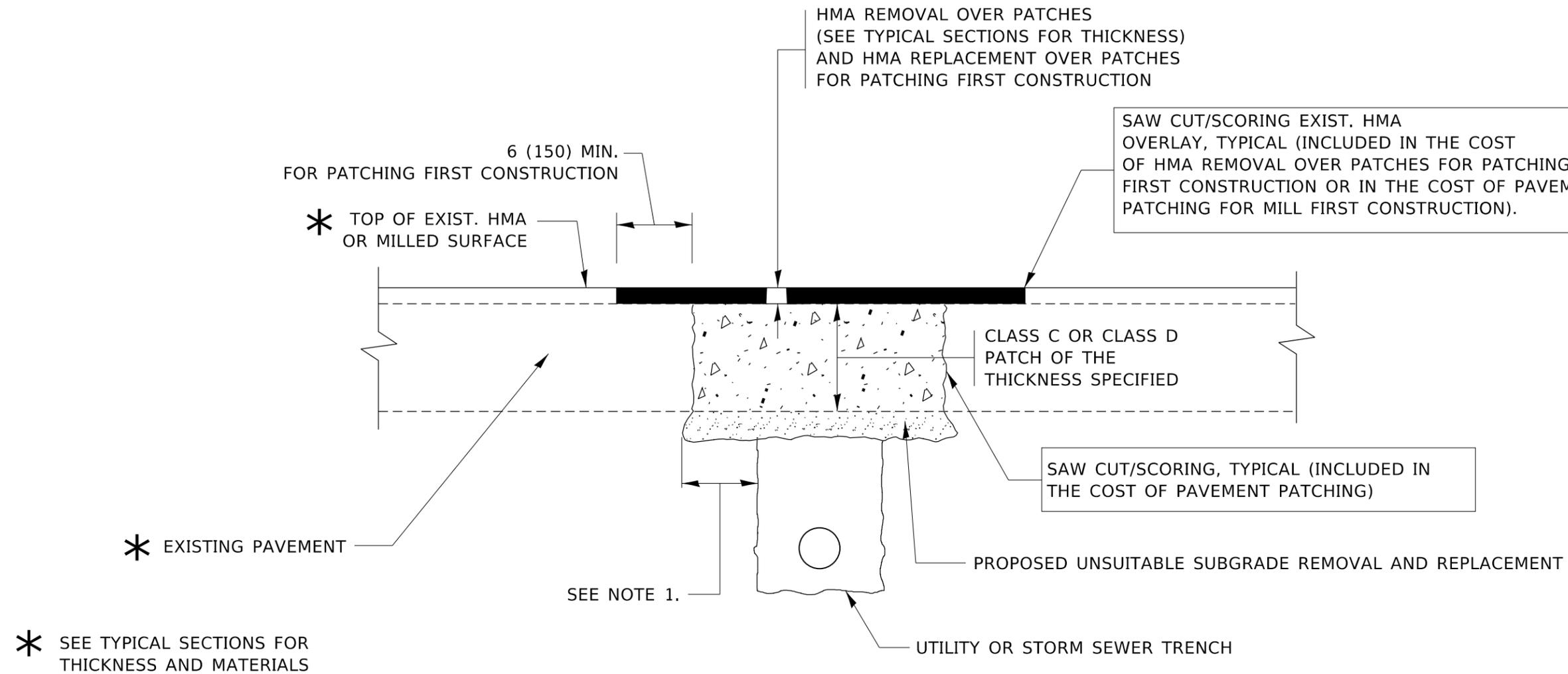
TYPE OF PATCHING (I-80 TO 159TH ST)	NORTHBOUND	SOUTHBOUND	TOTAL NB & SB
LONGITUDINAL JOINT PARTIAL DEPTH PATCHING (FT.)	8030	37650	45680
ROADWAY PARTIAL DEPTH PATCHING (SQ YD)	2798	13008	15806
ROADWAY CLASS D PATCHING (SQ YD)	115	461	576

TYPE OF PATCHING (CAL SAG TO HALSTED)	NORTHBOUND	SOUTHBOUND	TOTAL NB & SB
LONGITUDINAL JOINT PARTIAL DEPTH PATCHING (FT.)	4710	35860	40570
ROADWAY PARTIAL DEPTH PATCHING (SQ YD)	2175	13327	15502
ROADWAY CLASS D PATCHING (SQ YD)	484	452	936

*** ADDITIONAL QUANTITY LOCATIONS TO BE DETERMINED
BY THE RESIDENT ENGINEER IN THE FIELD.**

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NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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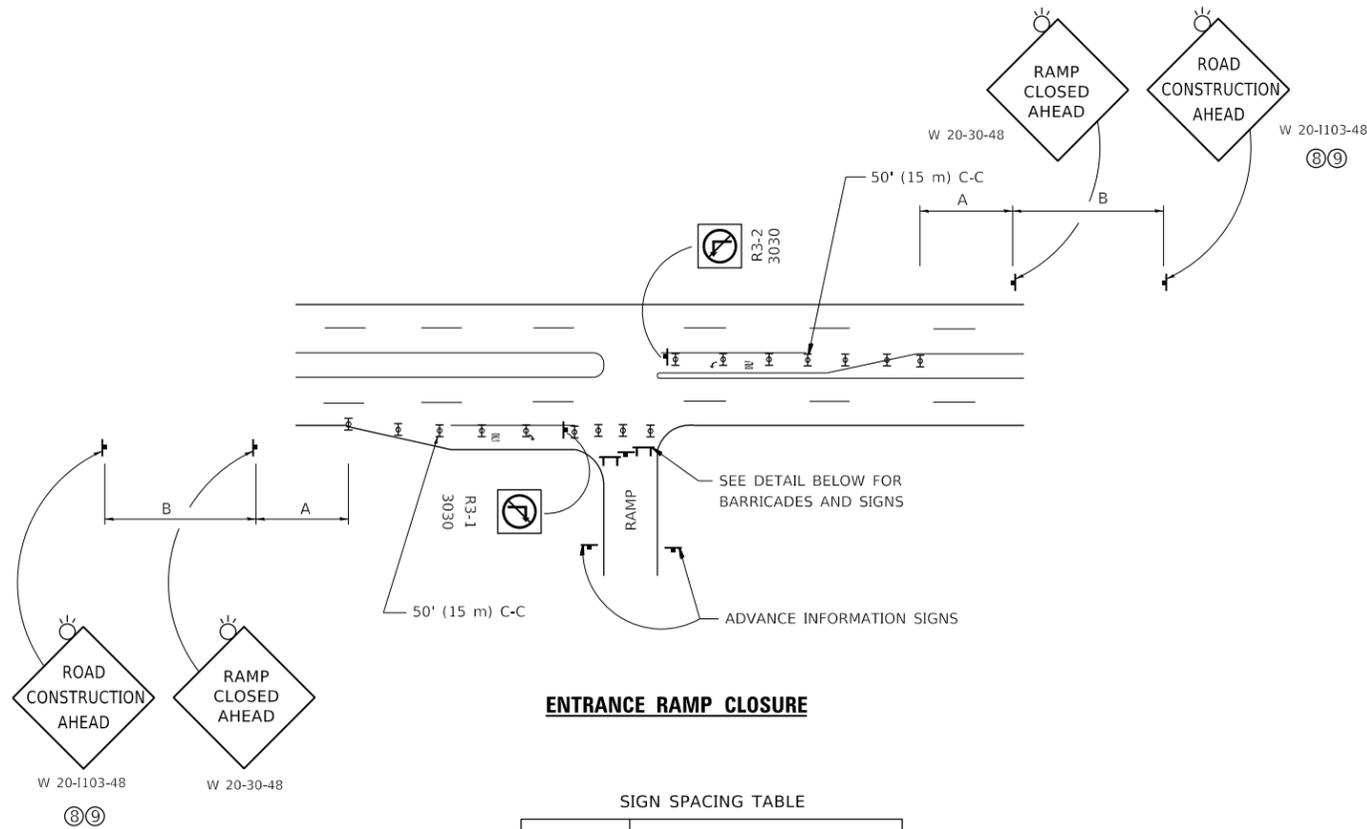
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

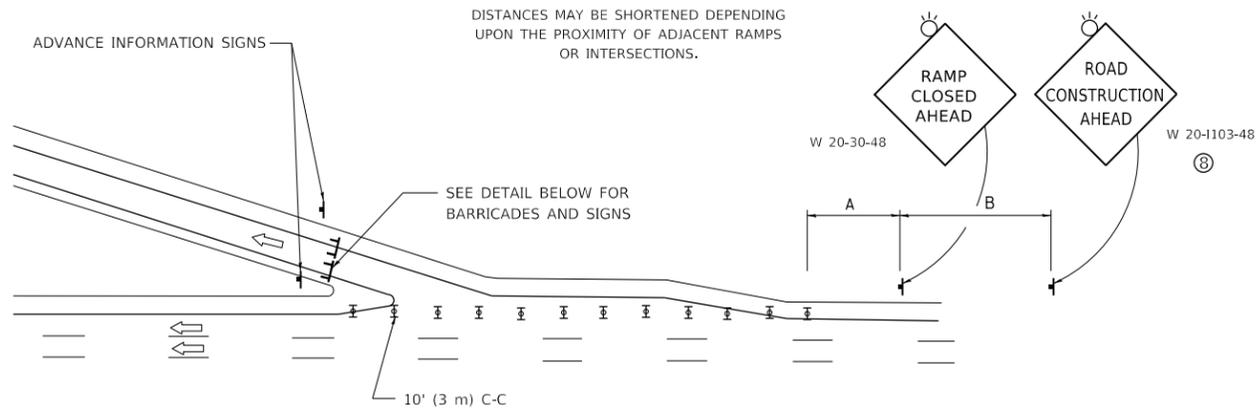
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-04 (BD-22)			CONTRACT NO. 62K92	
ILLINOIS FED. AID PROJECT				



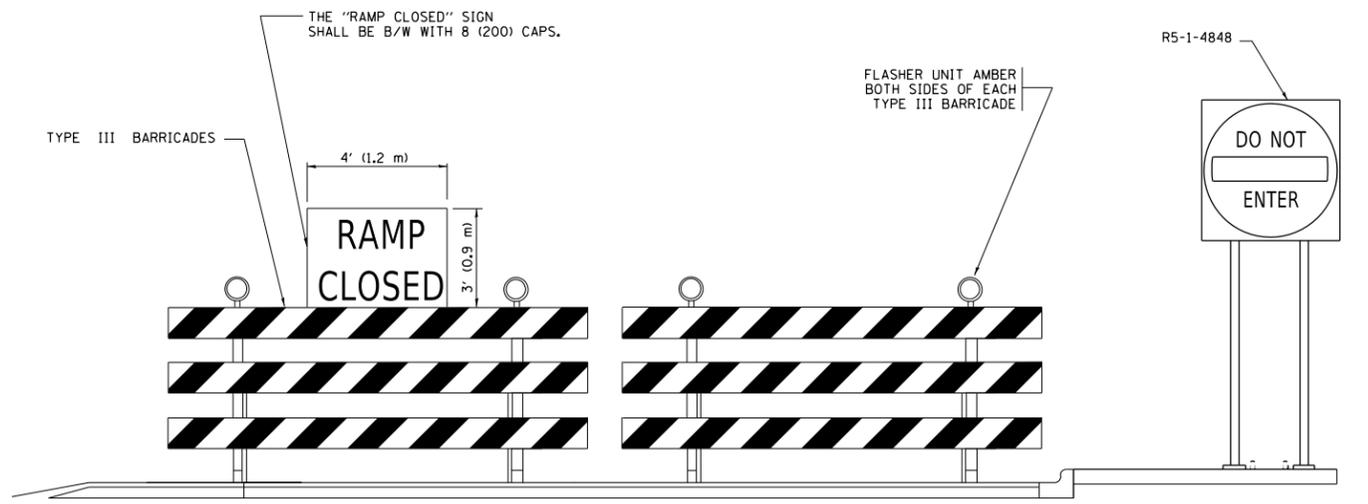
SIGN SPACING TABLE

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)

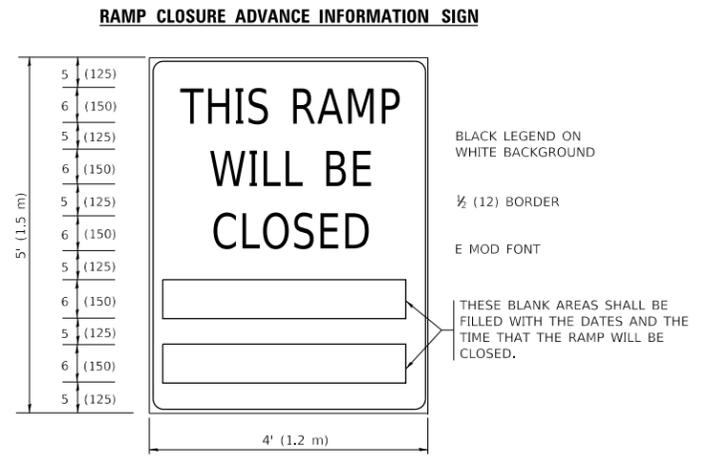
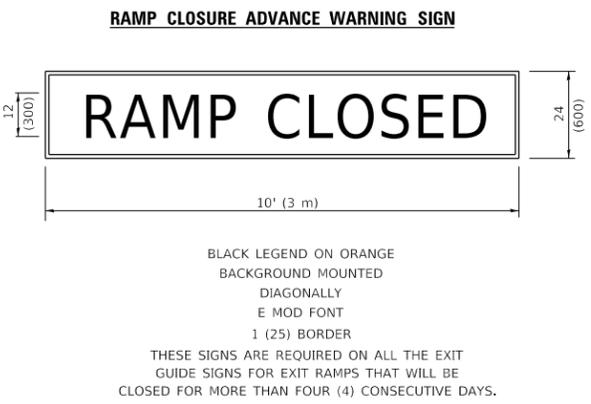
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



- 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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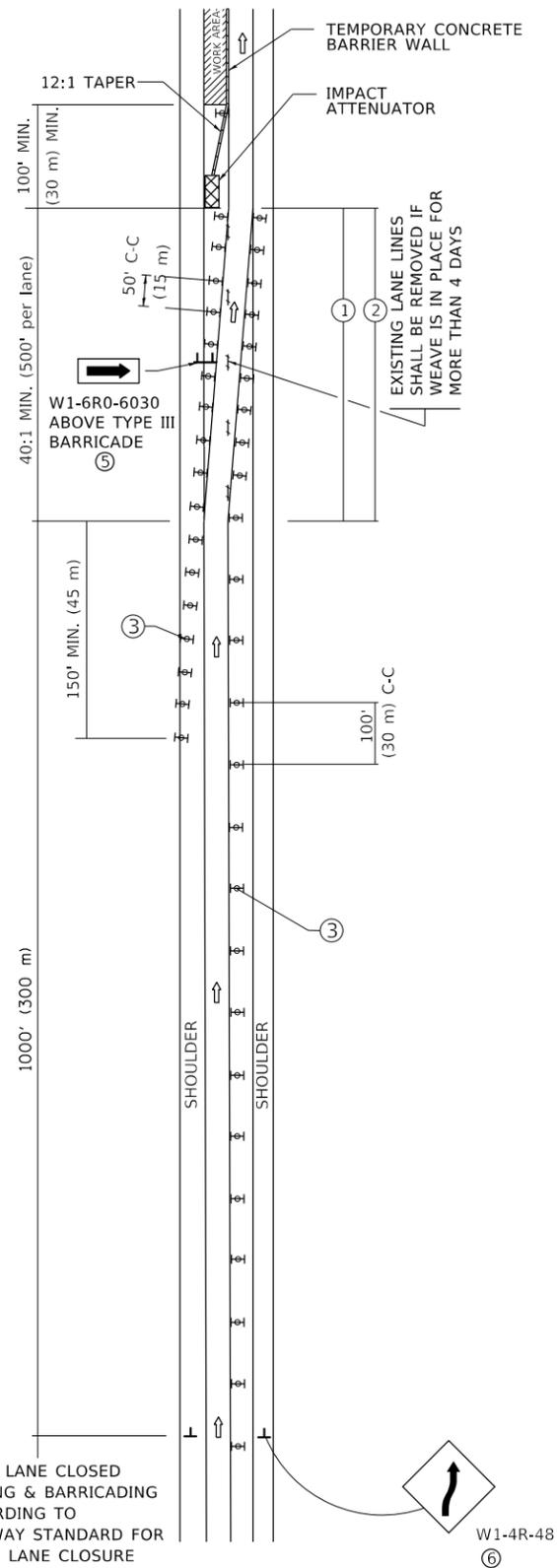
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

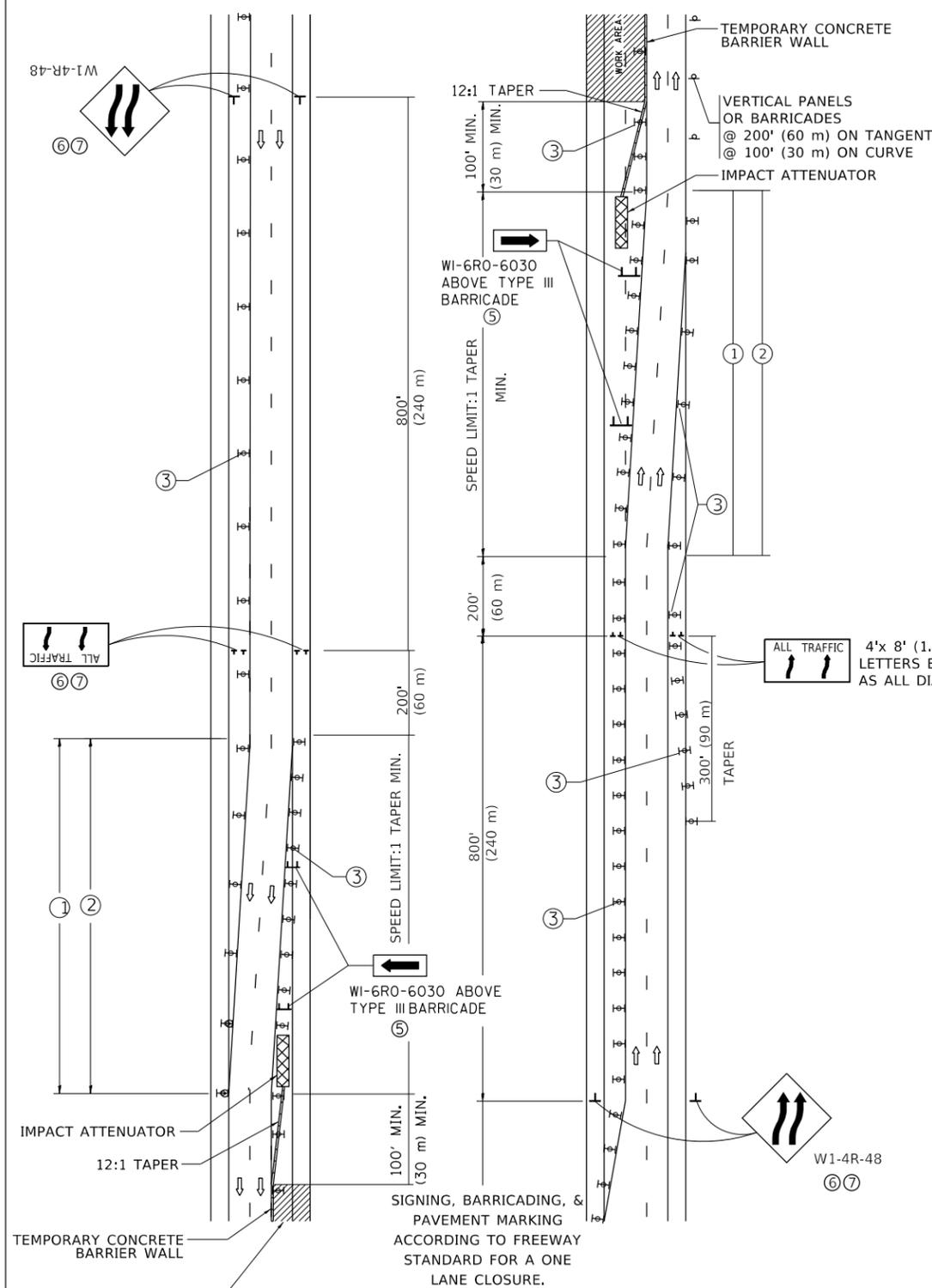
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE. 57	SECTION 2020-021-PP	COUNTY COOK	TOTAL SHEETS 18	SHEET NO. 13
TC-08		CONTRACT NO. 62K92		
ILLINOIS		FED. AID PROJECT		

SINGLE LANE WEAVE



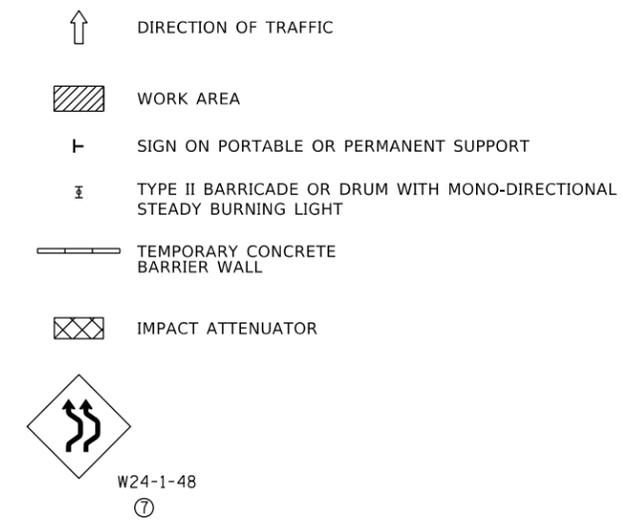
MULTI-LANE WEAVE



GENERAL NOTES:

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

SYMBOLS



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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USER NAME = va@adoliv	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
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PLOT DATE = 3/27/2020	DATE - 02-87	REVISED - M.D. 06-13

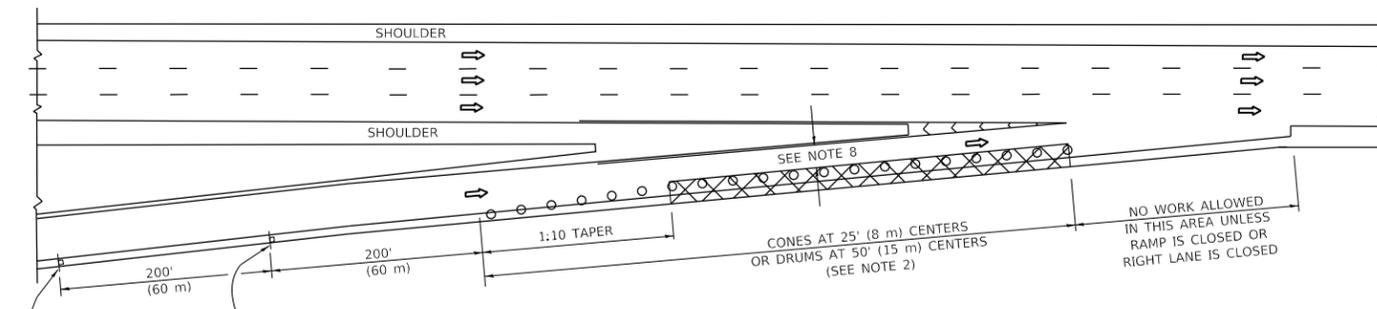
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR
FREEWAY SINGLE & MULTI-LANE WEAVE

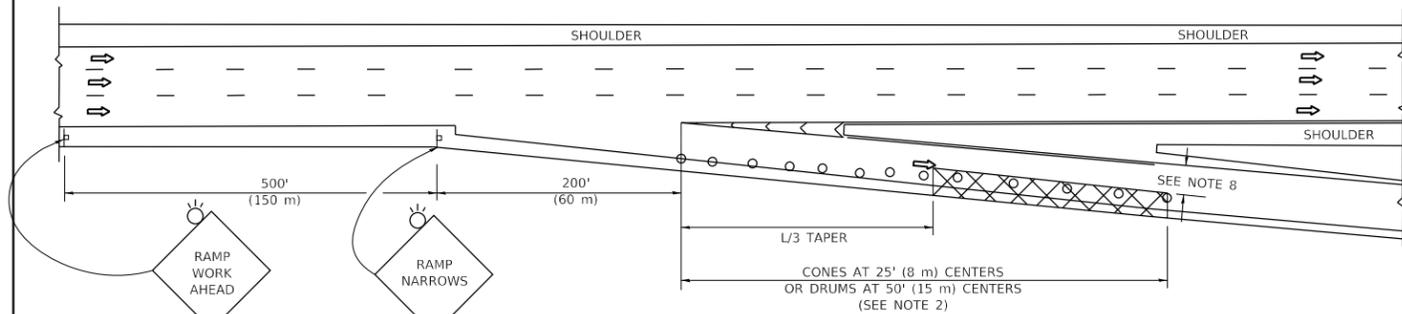
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F.A. I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2020-021-PP	COOK	18	14
TC-09		CONTRACT NO. 62K92		
ILLINOIS FED. AID PROJECT				

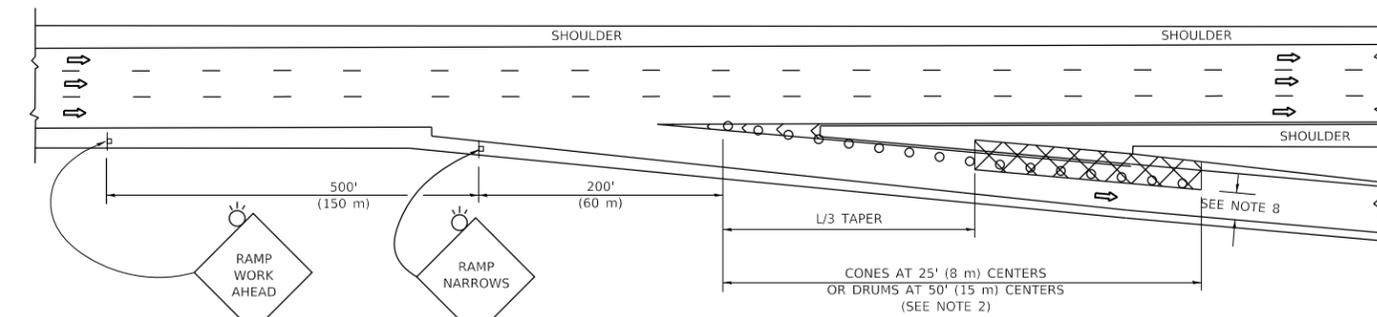
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

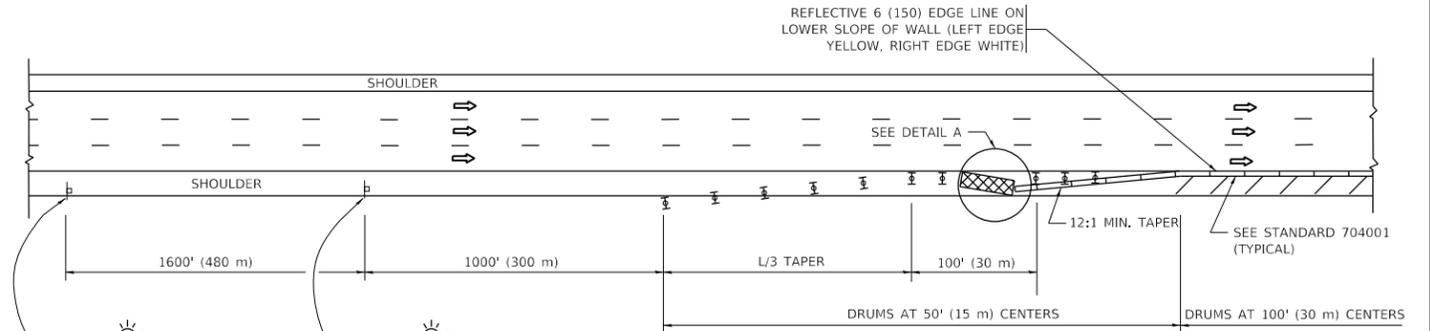
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

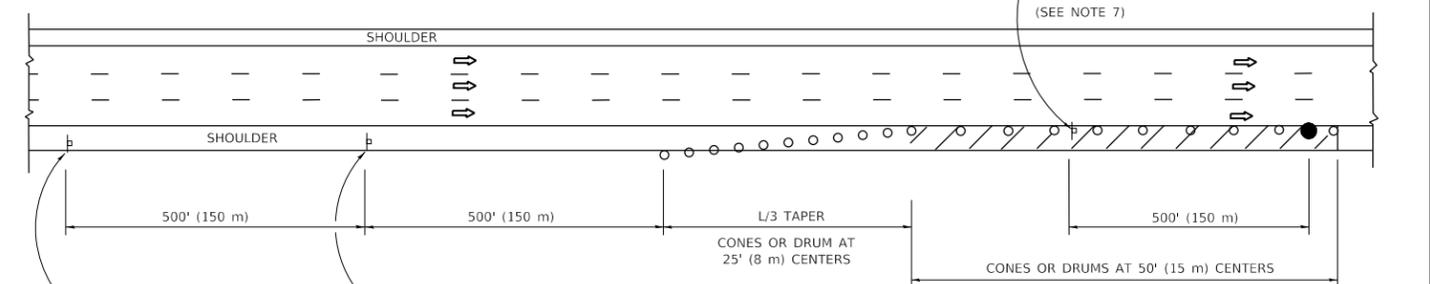
- THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(WXS)$ $L=(WXS)$
	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.

SHOULDER CLOSURE DETAILS

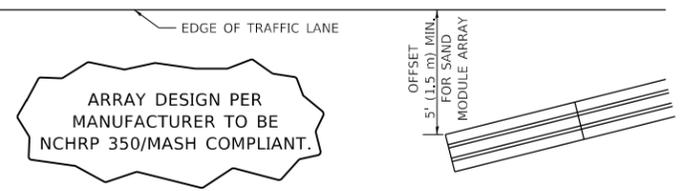


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. 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.



ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

DETAIL "A"
 IMPACT ATTENUATOR, TEMPORARY
 (SEE NOTE 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.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK AVTTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
 16' MIN. WIDTH CURVE SECTION.

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

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	DRAWN - D.W.S.	REVISED - S.P.B. 12-09
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PLOT DATE = 3/27/2020	DATE - 11-96	REVISED - M.D. 01-18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

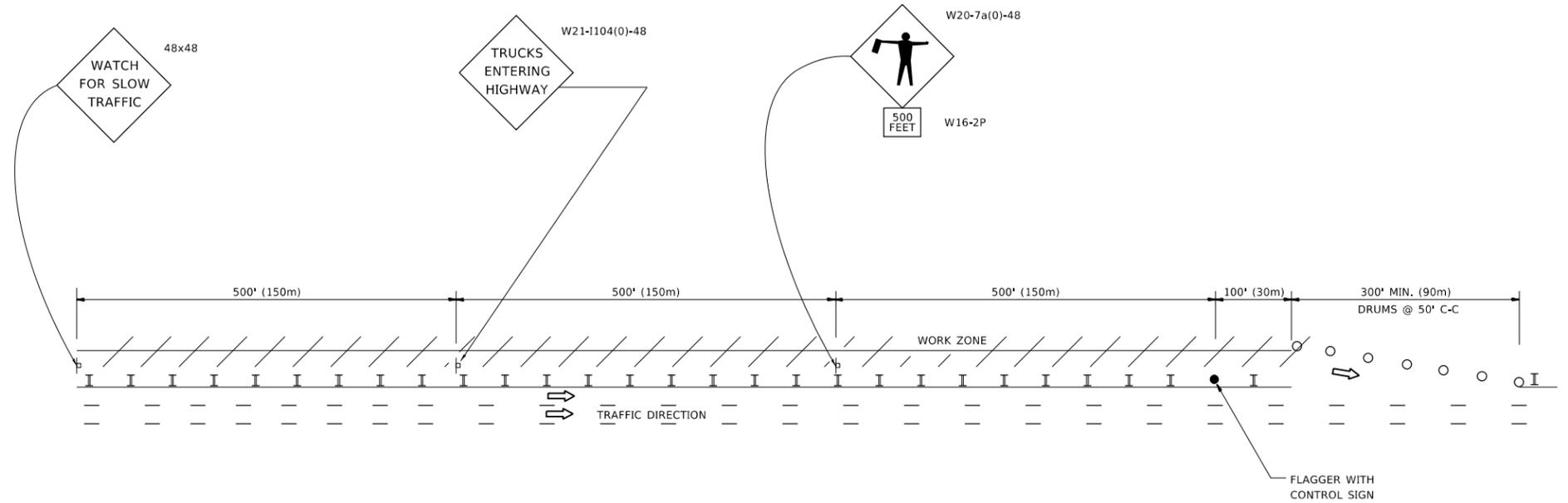
TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

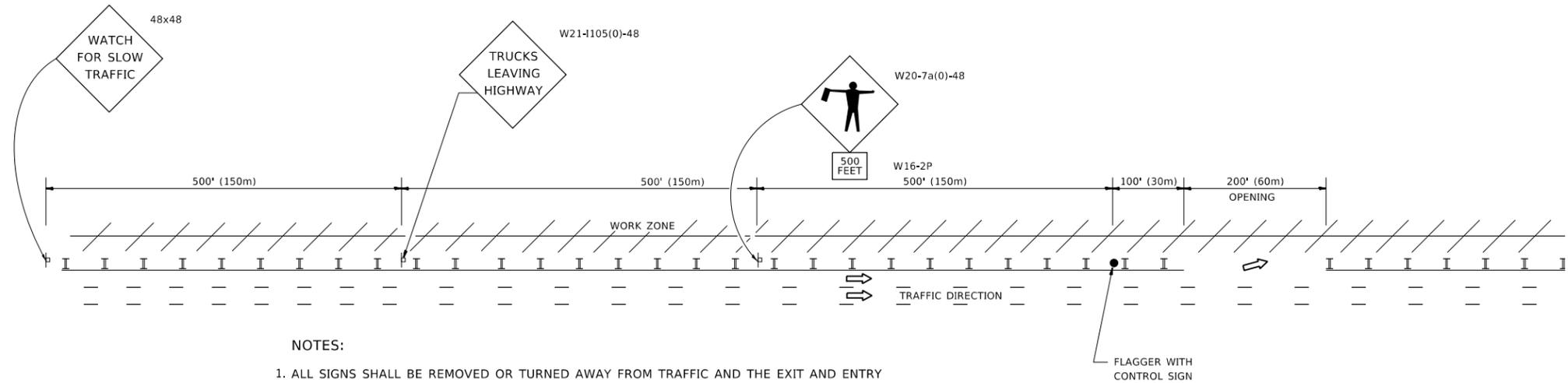
F.A. I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2020-021-PP	COOK	18	17
TC-17		CONTRACT NO. 62K92		
ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - S.P.B. 12-09
PLOT DATE = 3/27/2020	DATE -	REVISED - M.D.06-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FREEWAY /EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS ON FREEWAYS /EXPRESSWAYS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2020-021-PP	COOK	18	18
TC-18		CONTRACT NO. 62K92		
ILLINOIS FED. AID PROJECT				