09-17-2021 LETTING ITEM 076

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

D-91-183-21

2021-091-CBL

LOCATION OF SECTION INDICATED THUS: -

**PROPOSED** HIGHWAY PLANS

**VARIOUS ROUTES (I-55, I-57, I-80 & IL 394)** AT VARIOUS EXPRESSWAY MEDIANS **SECTION: 2021-091-CBL** HIGH TENSION CABLE BARRIER REPAIR **VARIOUS COUNTIES** C-91-219-21

> **SEE LOCATION MAP** SHEET 4

0

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JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

FOR INDEX OF SHEETS, SEE SHEET NO. 2

OR 811

PROJECT MANAGER: J. ALAIN MIDY (847) 221-3056

CONTRACT NO. 62P21

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SUBMITTED MAY 13 20 21

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

### INDEX OF SHEETS STANDARDS

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
-	<del></del> -	635001-02	DELINEATORS
1	COVER SHEET	701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
2	INDEX OF SHEETS, STANDARDS AND GENERAL NOTES	701106-02	OFF-ROAD OPERATIONS, MULTILANE, > 15' AWAY
3	SUMMARY OF QUANTITIES	701400-10	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
4	LOCATION MAP	701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
5-6	HIGH TENSION GUARDRAIL DETAILS (BRIFEN USA)	701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS
7	HIGH TENSION GUARDRAIL DETAILS (GIBLARTAR)		≥ 45 MPH
8	HIGH TENSION GUARDRAIL DETAILS (TRINITY)	701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
9	ENTRANCE RAMP AND CLOSURE DETAILS (TC-08)	701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS,
10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS		FOR SPEEDS ≥ 45 MPH
	AND DRIVEWAYS (TC-10)	701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
11	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN T TRAFFIC) (TC-14)	0 701901-08	TRAFFIC CONTROL DEVICES
12	HIGHWAY TRAFFIC CONTROL FOR FREEWAY SHOULDER CLOSURES		

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.

GENERAL NOTES

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

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

THE CONTRACTOR SHALL CALL STATE ELECTRICAL CONTRACTOR AT (773) 287-7600 TO LOCATE STATE OWNED FACILITIES.

THE CONTRACTOR SHALL WORK IN THE DIRECTION OF TRAFFIC.

THE CONTRACTOR WILL NOT BE ALLOWED TO STORE MATERIALS OVERNIGHT IN THE MEDIAN.

THE PROPOSED DEPTH OF THE CONCRETE SOCKETED FOUNDATIONS SHALL BE 42" (MINIMUM).

STANDARDS 701400 & 701401 SHALL BE USED FOR ALL LANE CLOSURES EXCEPT ON IL 394 SOUTH OF SAUK TRAIL, WHERE STANDARD 701421 SHALL BE USED.

CONTRACTOR SHALL REGISTER, SUBMIT AND GAIN THE APPROVAL FOR ALL DAILY LANE CLOSURE REQUESTS VIA WWW.IDOTLCS.COM AT LEAST 24 HOURS IN ADVANCE OF ALL WORK.

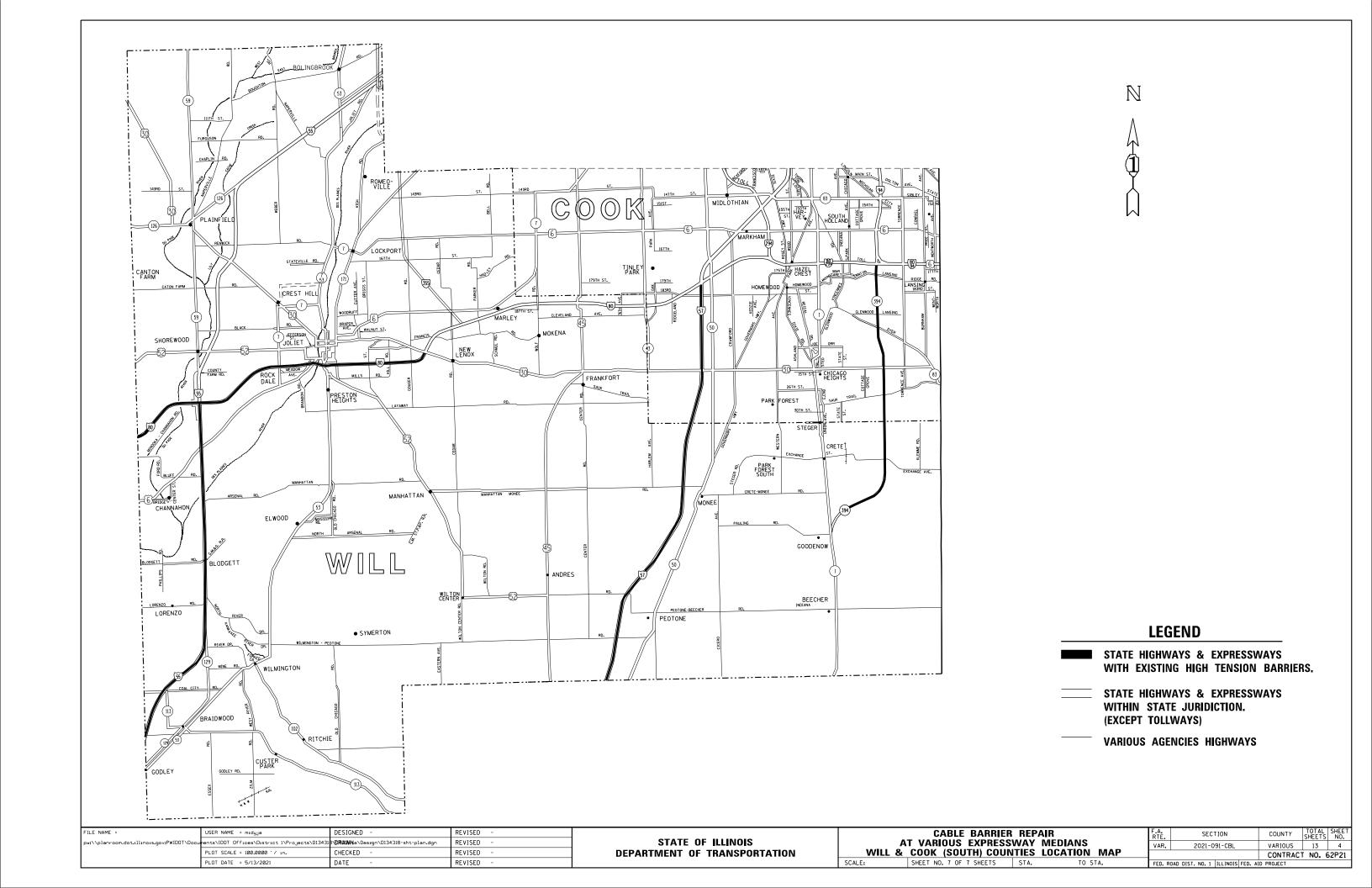
THE CONTRACTOR SHALL NOTIFY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, EXPRESSWAY TRAFFIC CONTROL SUPERVISOR (847-705-4151) 72 HOURS IN ADVANCE OF ALL WORK ON THE INTERSTATE.

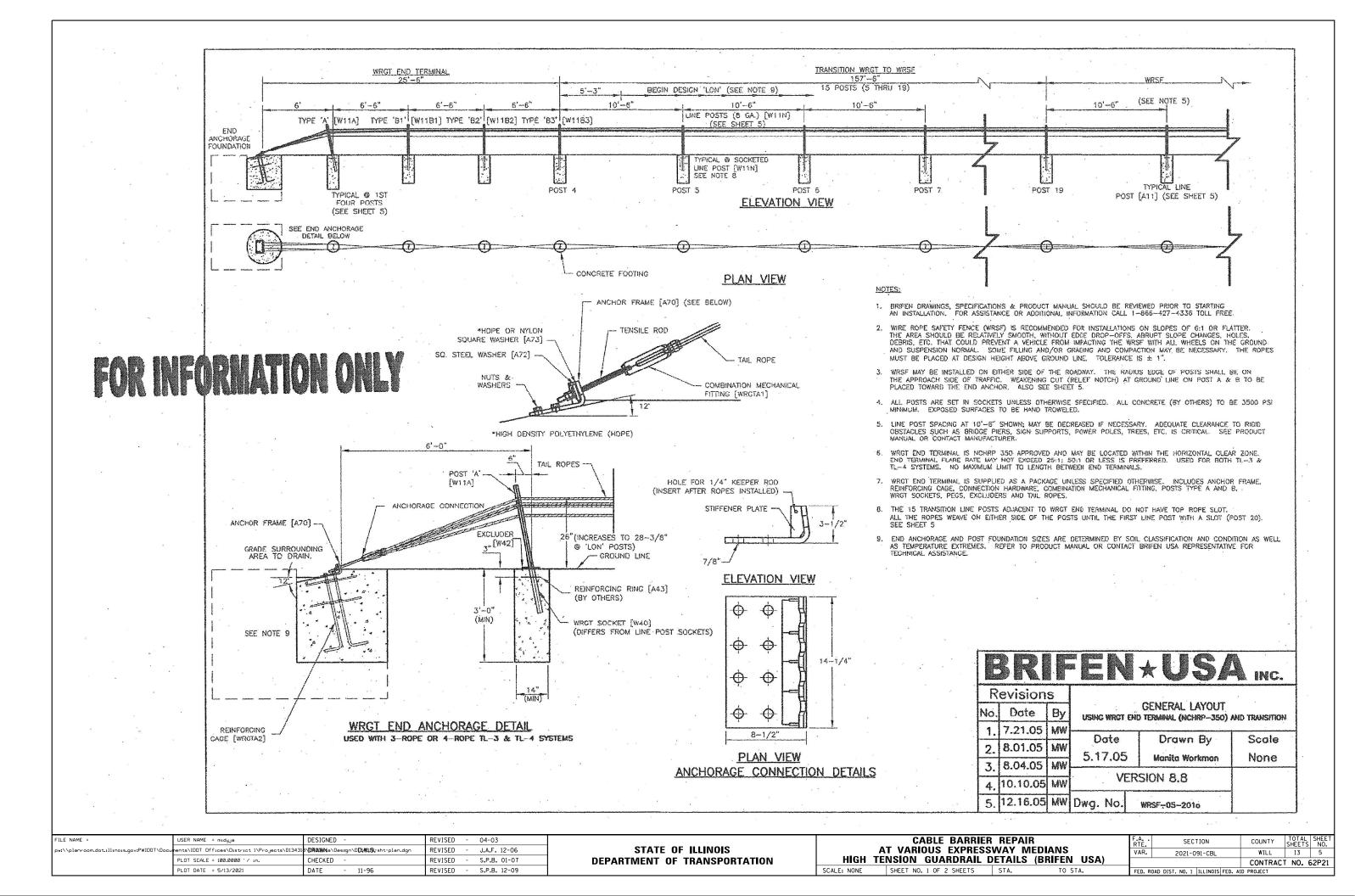
13	SIGNING FOR	R FLAGGING	OPERATIONS	ΑТ	WORK	ZONE	OPENINGS	(TC-18)

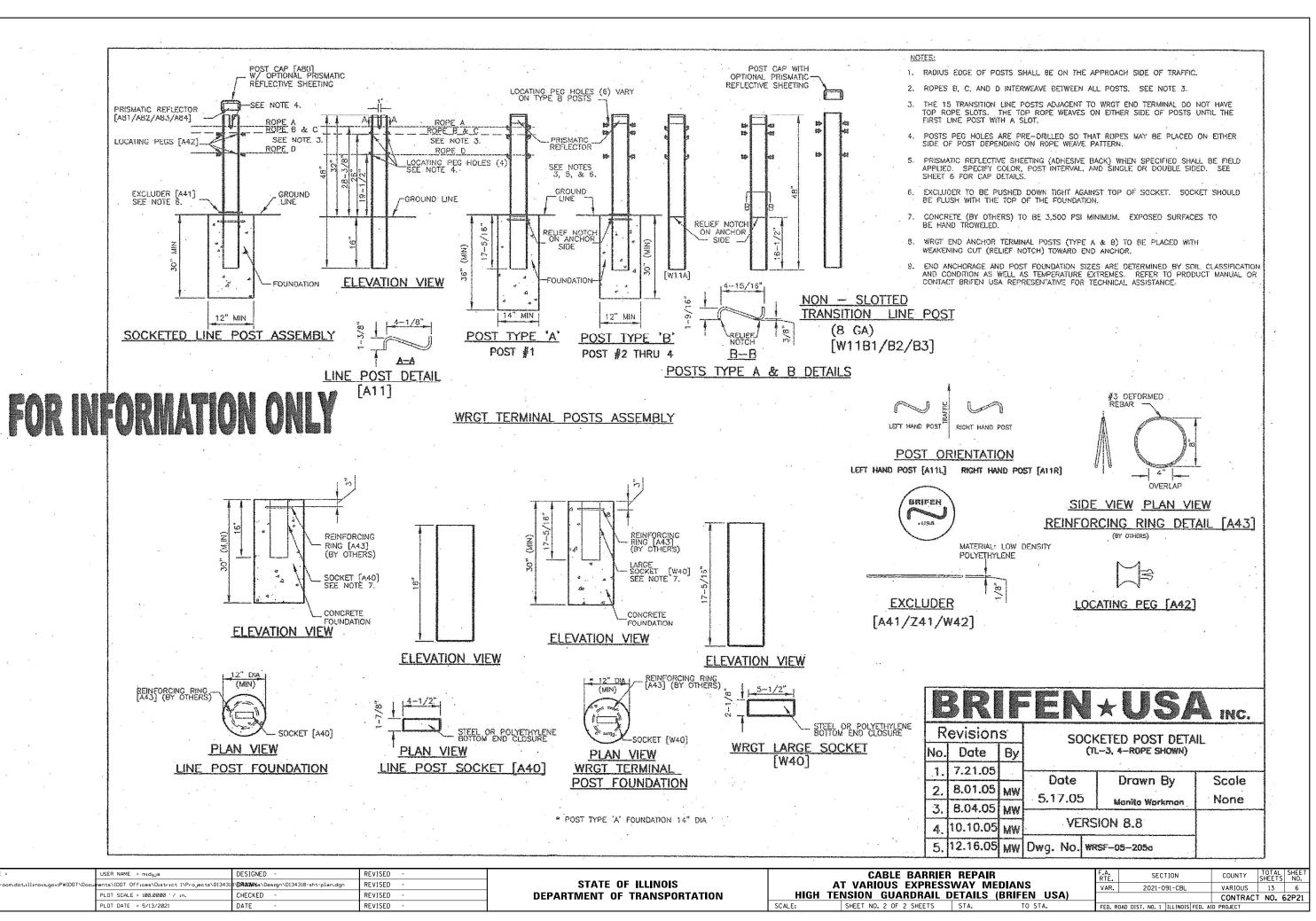
AND PARTIAL RAMP CLOSURES (TC-17)

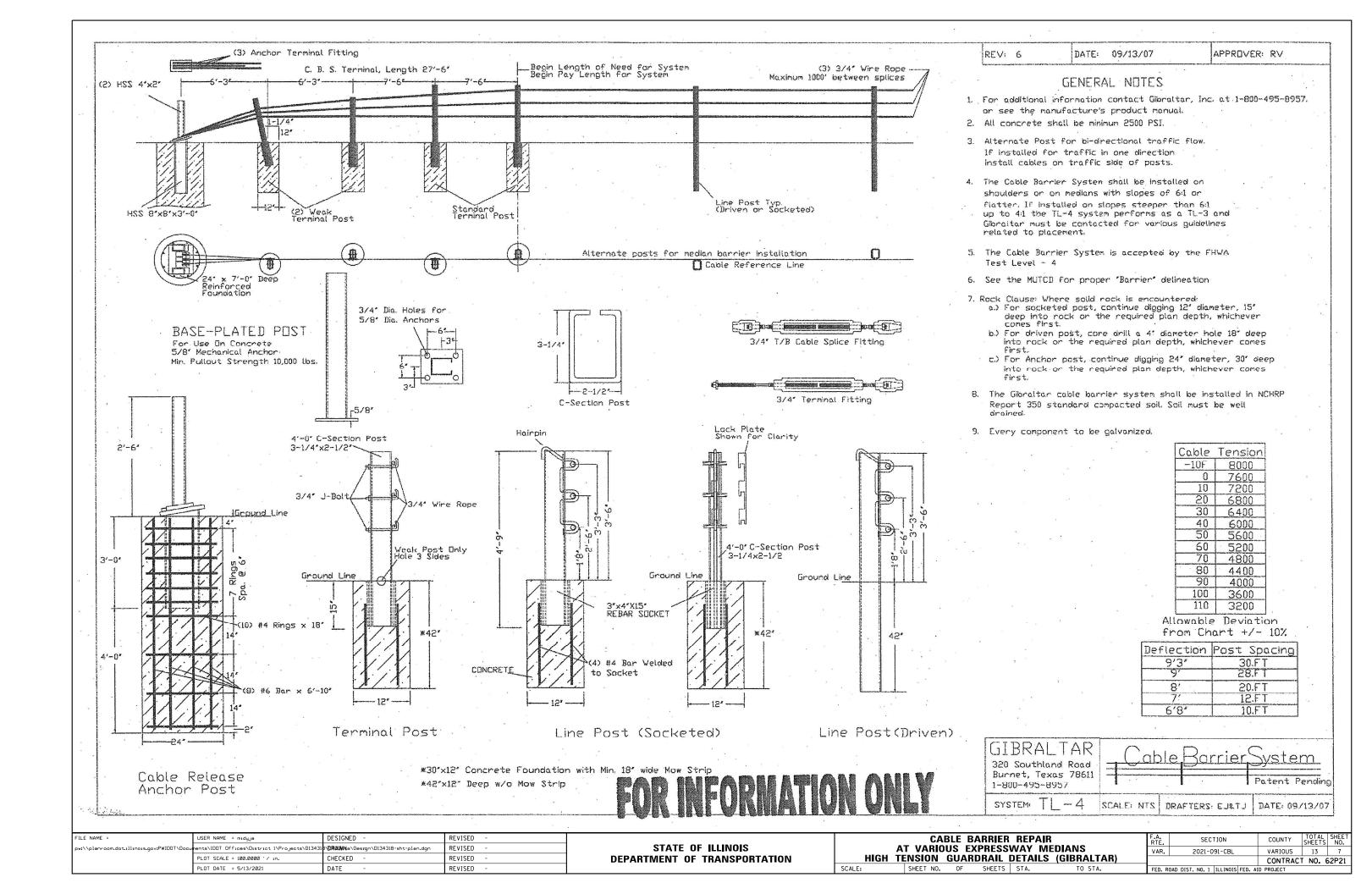
**REV-SEP** FILE NAME = DESIGNED REVISED **CABLE BARRIER REPAIR** USER NAME = midyja SECTION COUNTY STATE OF ILLINOIS nents\IDOT\_Offices\District\_I\Projects\Di3431<mark>8\**DRADH\**a\Desig</mark>n\Di34318-sht-plan.dgn REVISED AT VARIOUS EXPRESSWAY MEDIANS VARIOUS 13 2 VAR. 2021-091-CBL PLOT SCALE = 100.0000 '/ in. CHECKED REVISED **DEPARTMENT OF TRANSPORTATION INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES** CONTRACT NO. 62P21 REVISED SHEET NO. OF SHEETS STA. PLOT DATE = 5/13/2021 DATE FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

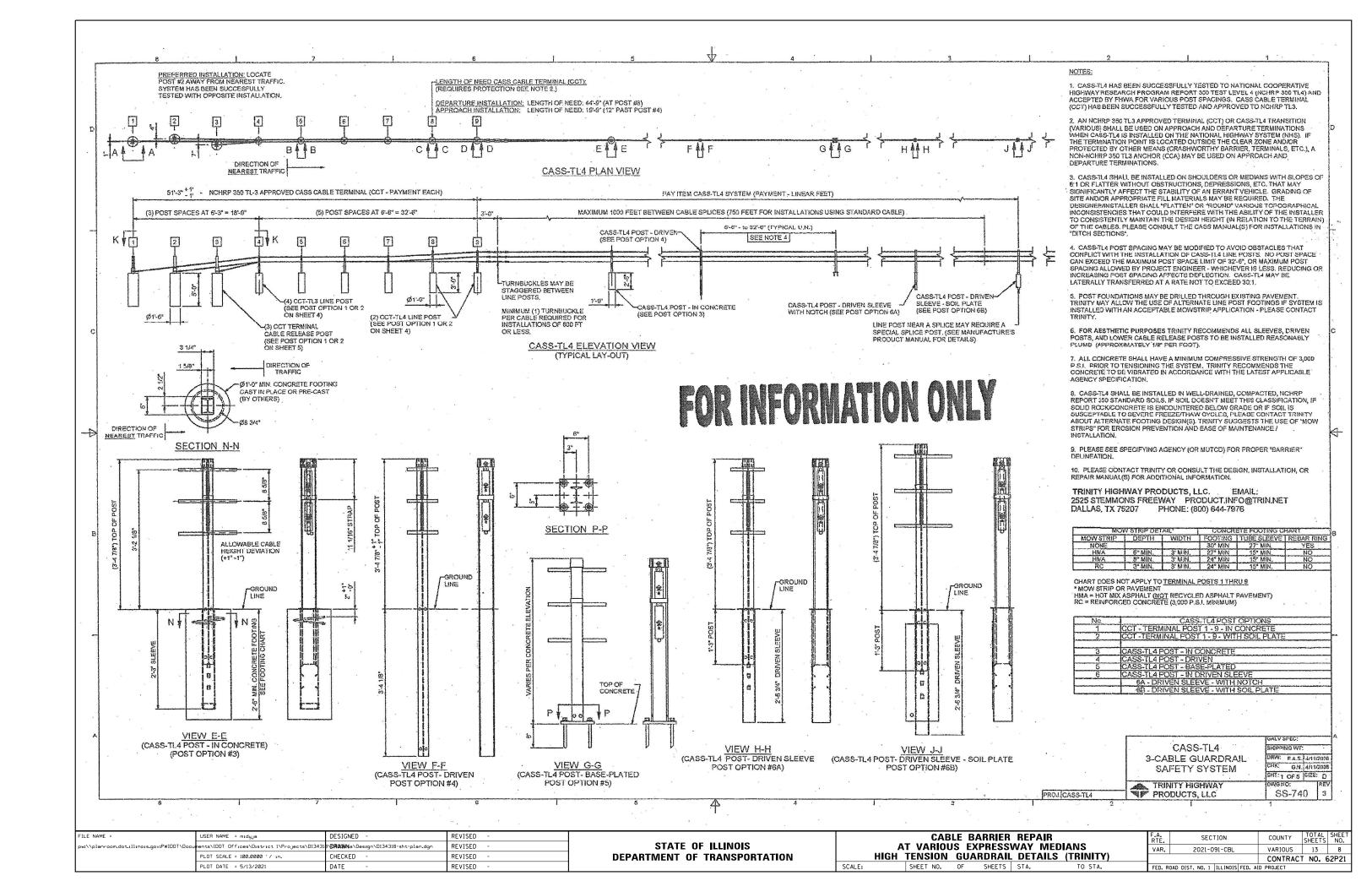
	SUMMARY OF QUANTITIES		URBAN		I	CONSTRUCT	ION TYPE	CODE 0021		_	SUMM	IARY OF QUANTITIES			CC	NSTRUCTION TYP	E CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	100% MCHD 0021	100% State CRMP 0021					CODE NO		ITEM	UNIT	TOTAL QUANTITIES				
x0325256	REPAIR HIGH TENSION CABLE (BRIFEN)	FOOT	180	20	160													
X0325258	REPAIR HIGH TENSION CABLE SYSTEM END SECTION (BRIFEN)	EACH	8	1	7													
x0325260	REPAIR POSTS (BRIFEN)	EACH	750	44	706													
x0325899	REPAIR HIGH TENSION CABLE (GIBRALTAR)	FOOT	120	20	100													
x0325901	REPAIR POSTS (GIBRALTAR)	EACH	975	58	917													
X0325975	REPAIR HIGH TENSION CABLE SYSTEM END SECTION (GIBRALTAR)	EACH	7	1	6													
X0326201	REPAIR HIGH TENSION CABLE (TRINITY)	FOOT	90	10	80													
x0326202	REPAIR POSTS (TRINITY)	EACH	75	5	70													
X0326203	REPAIR HIGH TENSION CABLE SYSTEM END SECTION (TRINITY)	EACH	4	1	3													
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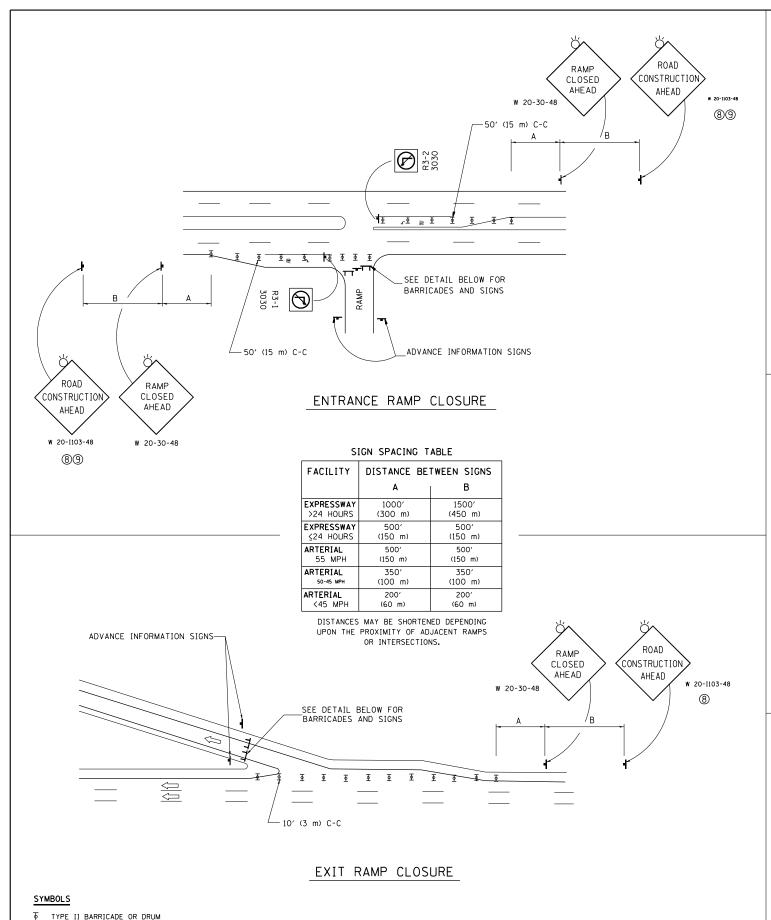




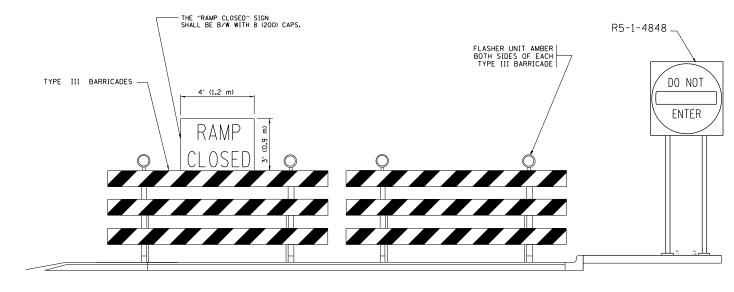




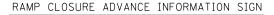


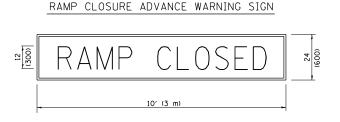


TYPE III BARRICADE WITH 2 FLASHING LIGHTS



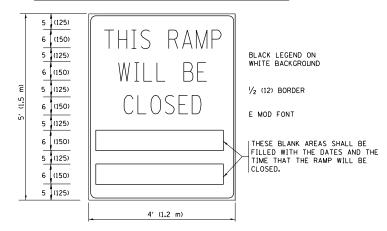
DETAIL FOR REQUIRED BARRICADES & SIGNS





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.



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

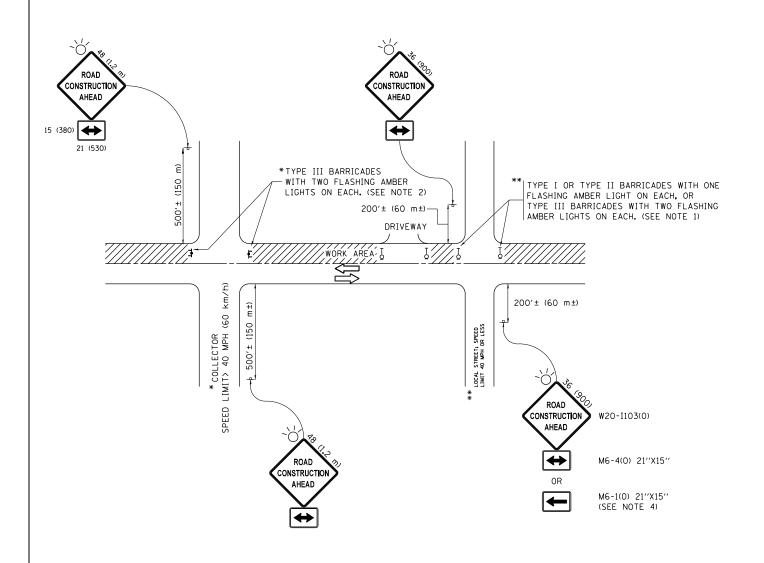
### GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II
  BARRICADES DURING DAY OPERATIONS. CONES SHALL BE
  A MINIMUM OF 28 (700) HICH.
- (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, PRECEEDED 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.
- (3) 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.
- 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.

FILE NAME =	USER NAME = midyje	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07		ENTRANCE AND EXIT RAMP	F.A.	SECTION	COUNTY TOTAL SHEET
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Default	PLOT DATE = 5/13/2021	DATE - 02-83	REVISED - M.D. 01-18		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT



### **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:
  - 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  $\times$  48 (1.2 m  $\times$  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 HEICHT
- 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).

SCALE: NONE

- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

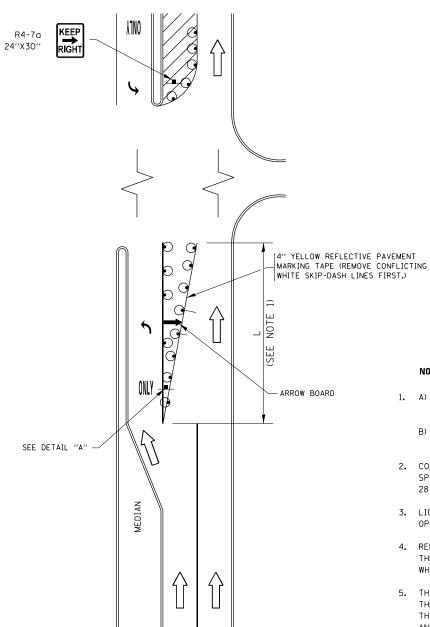
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	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED	- A. SCHUETZE 07-01-13
Default	PLOT DATE = 5/13/2021	DATE - 06-89	REVISED	- A. SCHUETZE 09-15-16

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DEPARTMENT	0F	TRANSPORTATION

SI	TRAFFIC CONTROL AND PROTECTION FOR DE ROADS, INTERSECTIONS, AND DRIVEWAYS  SHEET 1 OF 1 SHEETS STA. TO STA.								
	SHEET 1	OF	1	SHEETS	STA.	TO STA.			

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	TC-10	CONTRACT	NO. 6	52P2	
VAR.	2021-091-CBL	VARIOUS	13	10	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.	

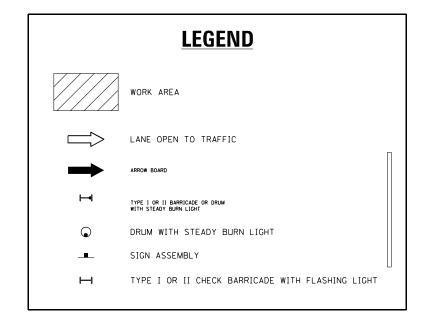
## TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



### FIGURE 1

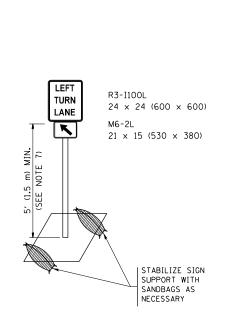
## WITHIN A LANE CLOSURE

CONFLICTING | PAVEMENT MARKING REMOVAL (TYP.)

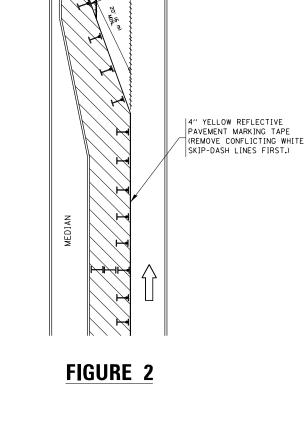


### NOTES:

- 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-I100R 24 x 24 (600 x 600) AND M6-2R 21  $\times$  15 (530  $\times$  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 PREQUIREMENTS.
- 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.



# **TURN BAY ENTRANCE**



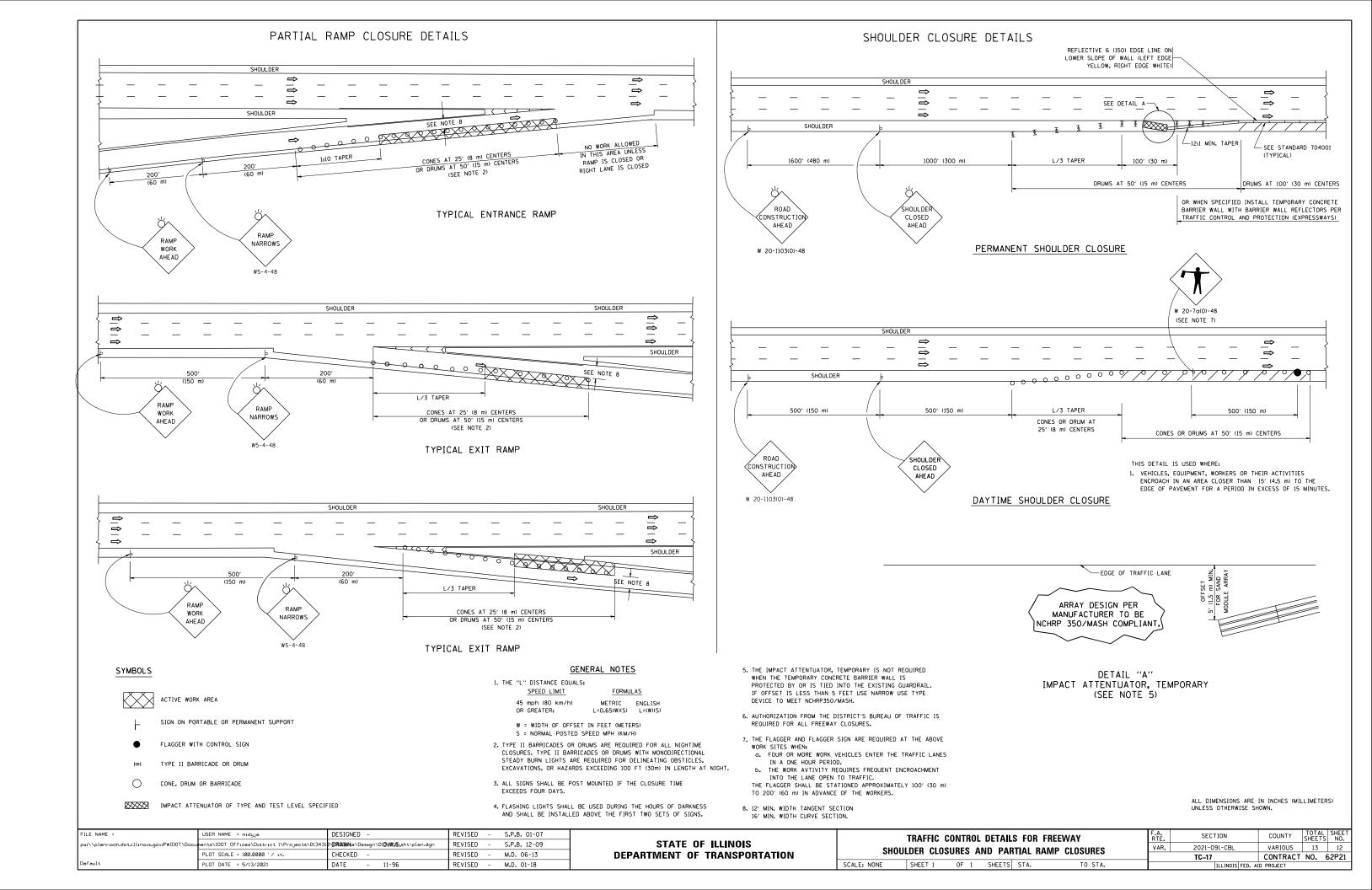
SEE DETAIL "A"

6" WHITE REFLECTIVE PAVEMENT MARKING TAPE

**DETAIL A** 

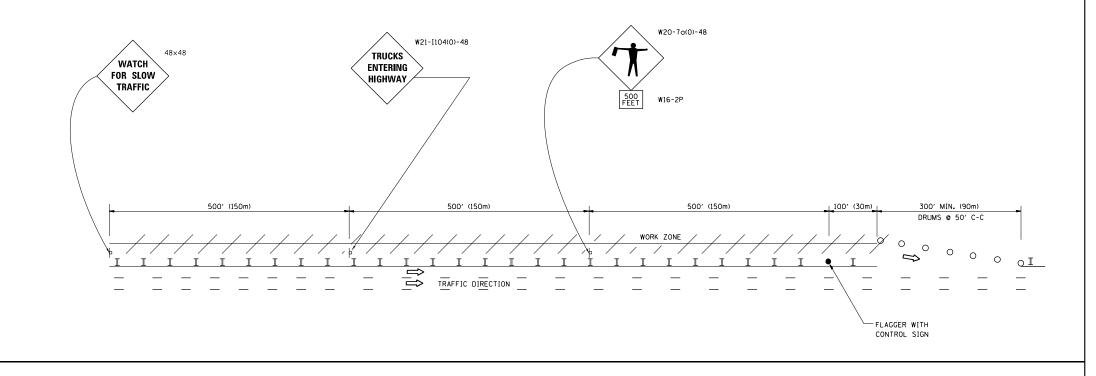
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = midyja	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09		TRAFFIC CONTROL AND PROTECTION AT TURN BAYS	F.A. RTF.	SECTION	COUNTY TOTAL SHEET
pw://planroom.dot.illinois.gov:PWIDOT/Doc	uments\IDOT Offices\District I\Projects\DI343				(TO REMAIN OPEN TO TRAFFIC)	VAR.	2021-091-CBL	VARIOUS 13 11
	PLOT SCALE = 100.0000 ' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	DEPARTMENT OF TRANSPORTATION	, , , , , , , , , , , , , , , , , , , ,	_	TC-14	CONTRACT NO. 62P21
Default	PLOT DATE = 5/13/2021	REVISED -T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE   SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT

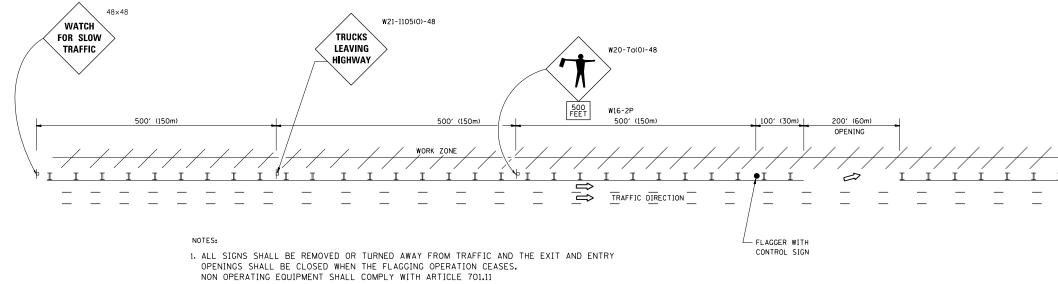


### SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

### WORK ZONE EXIT OPENING



#### WORK ZONE ENTRY OPENING



- 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 RAMPS.
- 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

	FILE NAME =	USER NAME = midyja	DESIGNED -	REVISED -	J.A.F. 02-06		FRFFV	NAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS	RTF.	SECTION	COUNTY	SHEETS NO.
	pw://planroom.dot.illinois.gov:PWIDOT/Docu	ents\IDOT Offices\District 1\Projects\D13431	3 <b>\DRAMM</b> a\Design\D134318-sht-plan.dgn	REVISED -	S.P.B. 01-07	STATE OF ILLINOIS			VAR.	2021-091-CBL	VARIOUS	13 13
		PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	S.P.B. 12-09	DEPARTMENT OF TRANSPORTATION	AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS			TC-18	CONTRACT	NO. 62P21
L		PLOT DATE = 5/13/2021	DATE -	REVISED -	M.D. 06-13		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD [	DIST. NO. 1   ILLINOIS FED. AI	D PROJECT	