

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-I	VARIOUS	19	1
		ILLINOIS	CONTRACT NO. 62M67	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

VARIOUS LOCATIONS IN DISTRICT 1
PROJECT NO. HSIP-GPKE(559)
SECTION: 2020-195-I
DYNAMIC RADAR SPEED SIGNS
 COOK AND DUPAGE COUNTIES

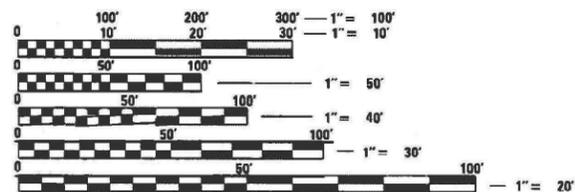
C-91-395-20

FOR INDEX OF SHEETS, SEE SHEET NO. 2



FOR LOCATION MAP
 SEE SHEETS NO. 3-5

VARIOUS TOWNSHIPS



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: KAMIL KOBYLKA (847) 705-4734
 PROJECT MANAGER: LUKASZ POCIECHA (847) 705-4420

CONTRACT NO. 62M67

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED Aug 11 2020

 REGIONAL ENGINEER

October 2, 2020

 ENGINEER OF DESIGN AND ENVIRONMENT

October 2, 2020

 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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19	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)

SHT NO.	ROUTE	LIMITS
8	I-80 EB	I-57 NB RAMP
9	I-90 / I-94	CERMAK RD EXIT RAMP
10	I-94	IL RTE 58 WB RAMP
11	IL RTE 53	EB PALATINE RD RAMP
12	IL RTE 38	RAMP TO BRUSH HILL RD

HIGHWAY STANDARDS

STD. NO.	TITLE
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15'(4.5 M) TO 24'(600 MM) FROM PAVEMENT EDGE
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY / EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY / EXPRESSWAY
701446-10	TWO LANE CLOSURE, FREEWAY / EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS

DISTRICT 1 STANDARD DETAILS

TC-8	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-9	SINGLE LANE WEAVE AND MULTI-LANE WEAVE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-17	PARTIAL RAMP & SHOULDER CLOSURE DETAILS

GENERAL NOTES

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.

THE CONTRACTOR SHALL CONTACT THE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AND EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 72 HOURS IN ADVANCE OF BEGINNING WORK.

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.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

RESTORATION OF THE WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

STANDARD 701426 SHALL ONLY BE APPLIED TO LOCATION AT IL RTE 38 AND BRUSH HILL RD RAMP FOR TRAFFIC CONTROL REQUIREMENTS.

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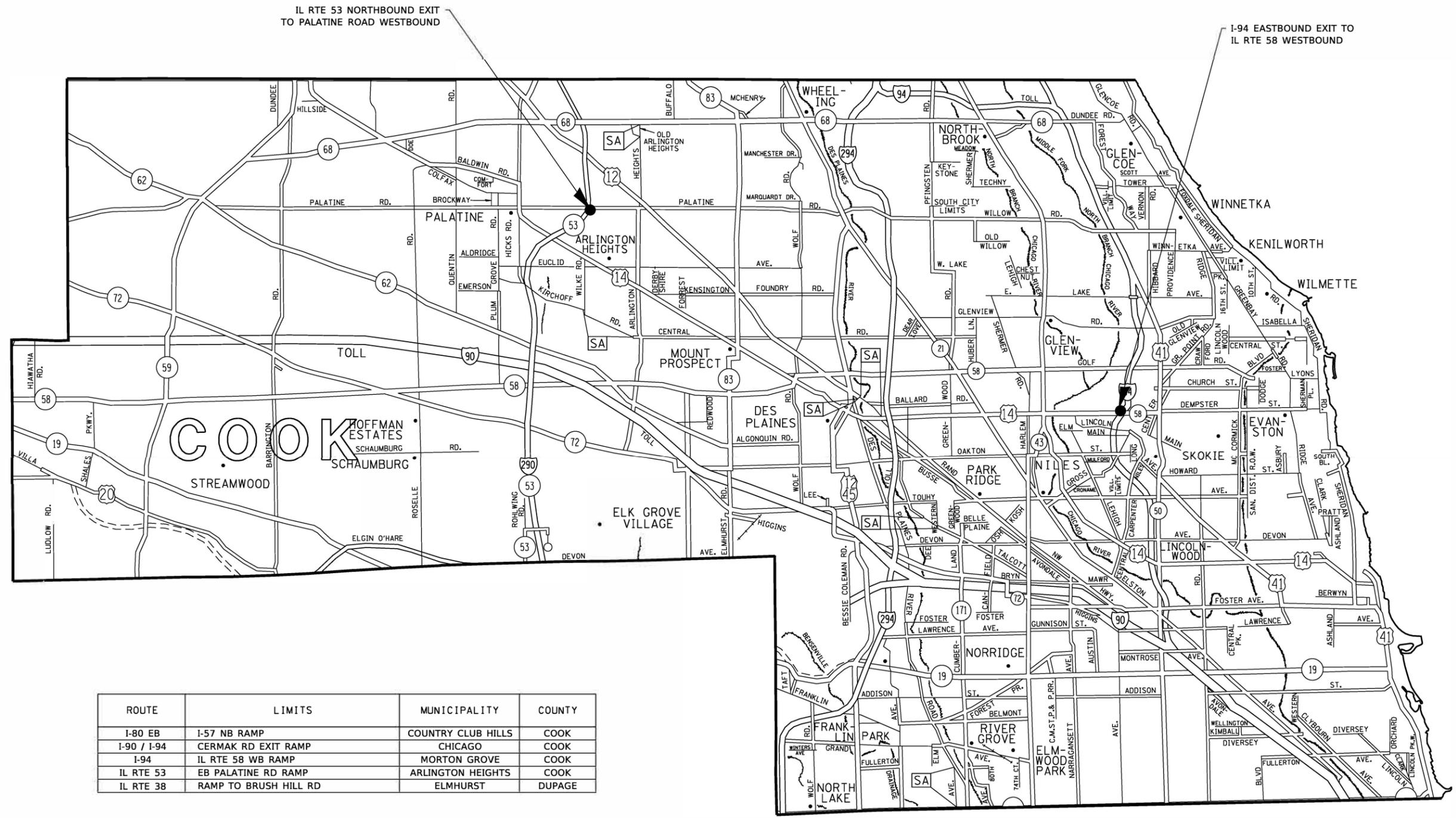
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PLOT DATE = 8/17/2020	DATE - 07/10/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-I	VARIOUS	19	2
				CONTRACT NO. 62M67
ILLINOIS FED. AID PROJECT				



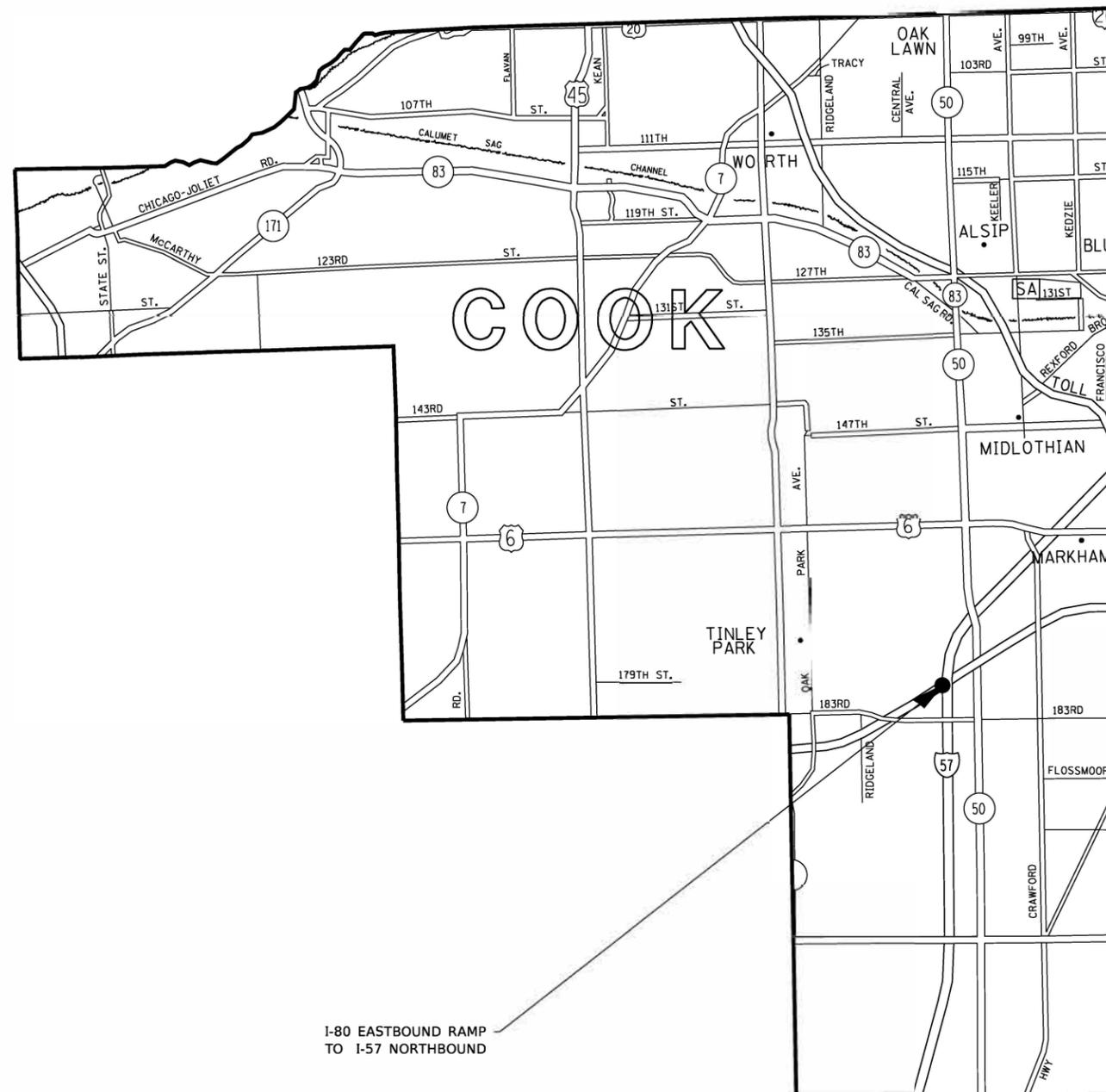
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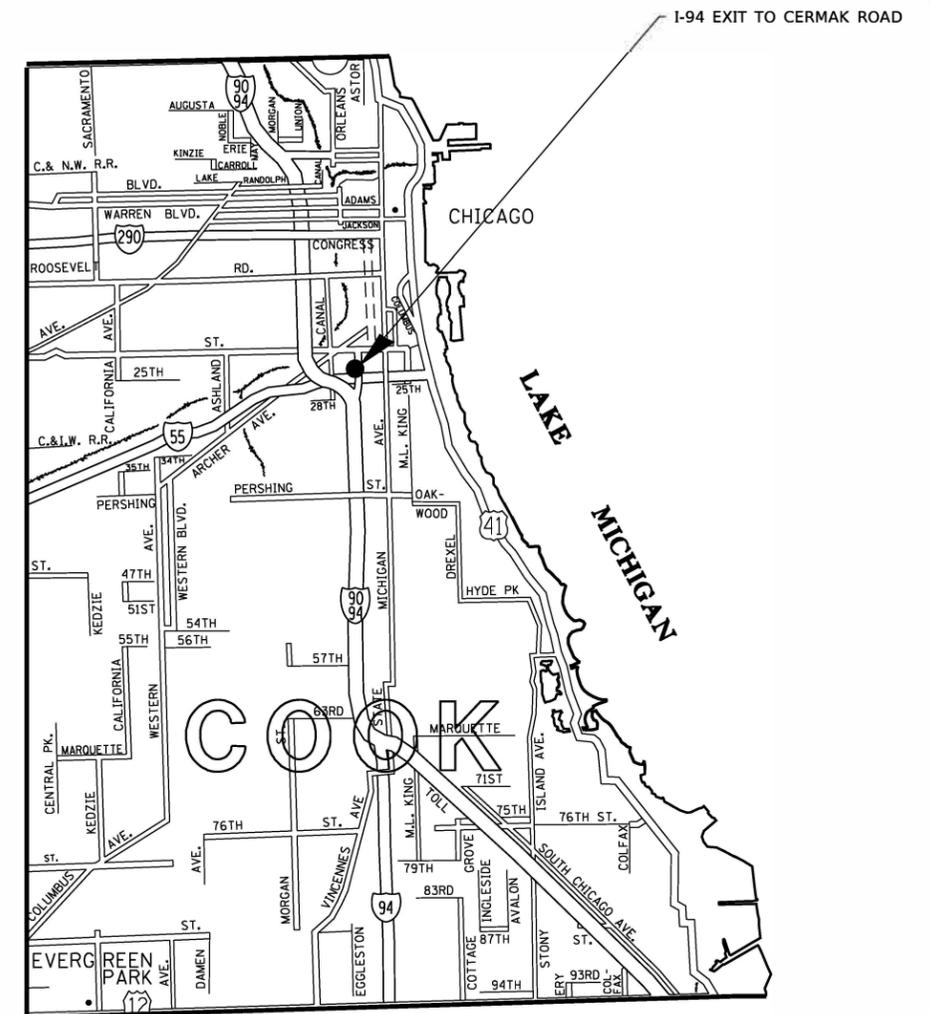
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP NORTH COOK COUNTY	
SCALE: NONE	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-1	VARIOUS	19	3
CONTRACT NO. 62M67			ILLINOIS FED. AID PROJECT	



I-80 EASTBOUND RAMP
TO I-57 NORTHBOUND



I-94 EXIT TO CERMAK ROAD

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PLOT DATE = 7/14/2020	DATE - 07/10/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP			
SOUTH AND CENTRAL COOK COUNTY			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-1	VARIOUS	19	4
			CONTRACT NO. 62M67	
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
NON-SPECIAL WASTE DISPOSAL	CU YD	1.7
REGULATED SUBSTANCES MONITORING	CAL DA	1
SIGN PANEL - TYPE 2	SQ FT	28
REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	484
CONCRETE FOUNDATIONS	CU YD	1.18
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	0.25
RADAR SPEED SIGN	EACH	1

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH SIGN PANEL ASSEMBLY-TYPE B

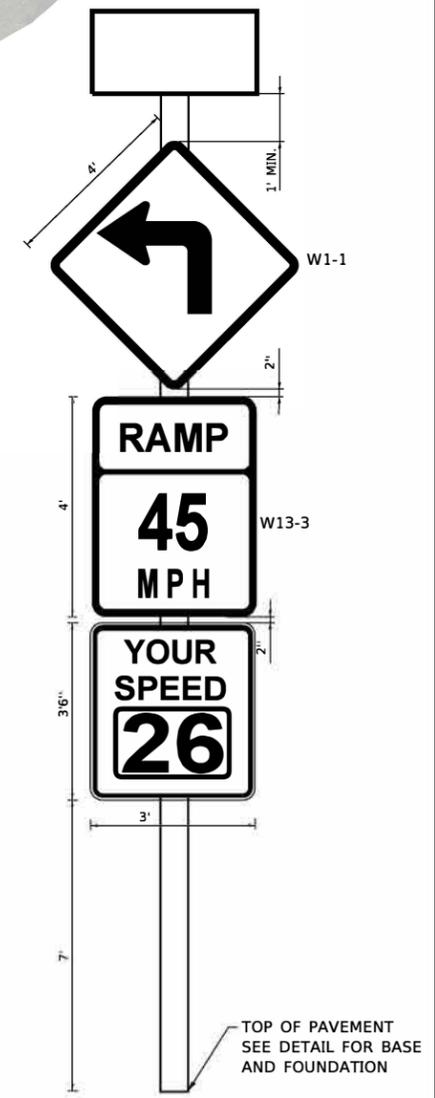
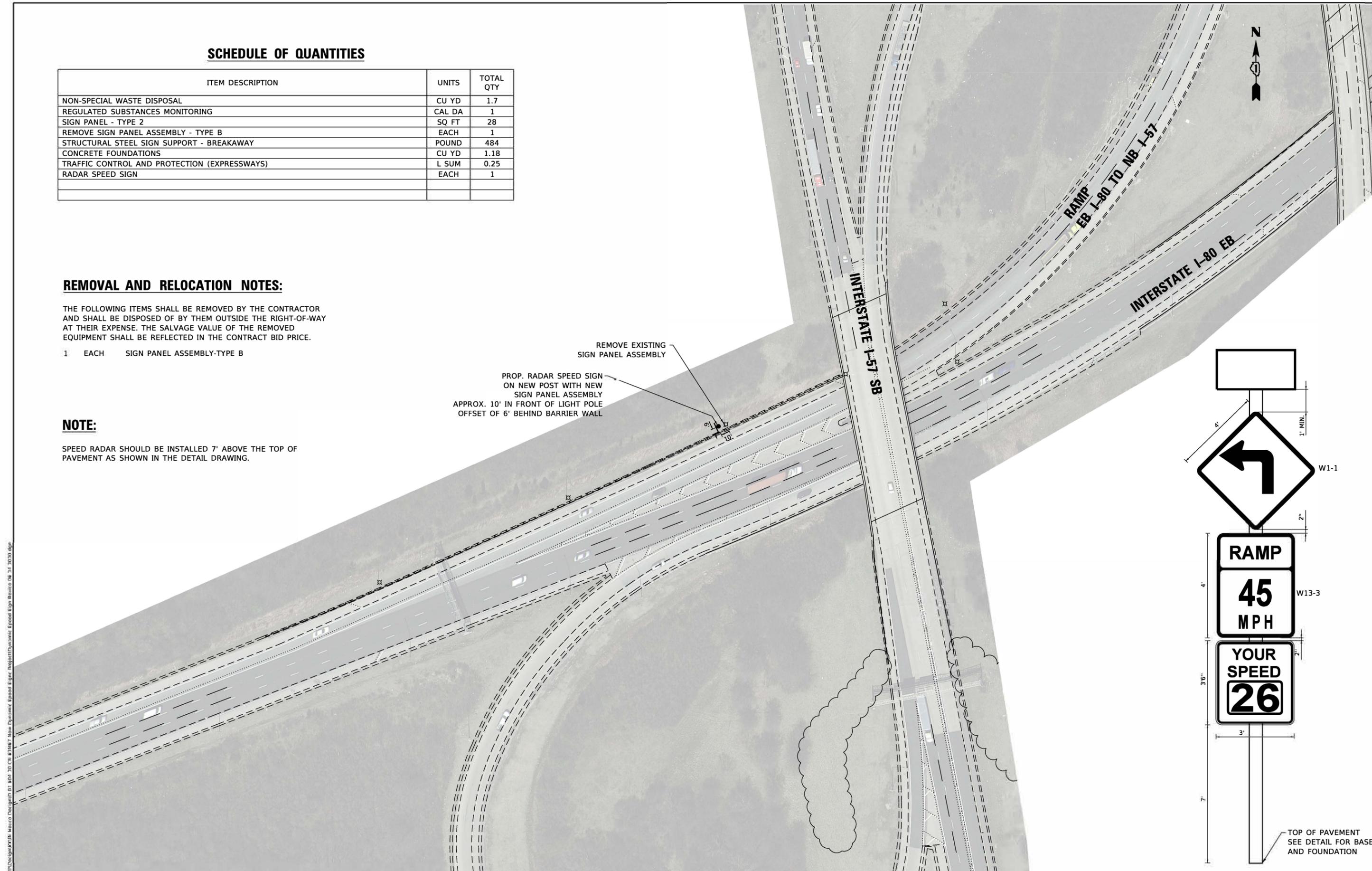
NOTE:

SPEED RADAR SHOULD BE INSTALLED 7' ABOVE THE TOP OF PAVEMENT AS SHOWN IN THE DETAIL DRAWING.

REMOVE EXISTING SIGN PANEL ASSEMBLY

PROP. RADAR SPEED SIGN ON NEW POST WITH NEW SIGN PANEL ASSEMBLY APPROX. 10' IN FRONT OF LIGHT POLE OFFSET OF 6' BEHIND BARRIER WALL

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PLOT DATE = 7/14/2020	CHECKED - LP	REVISED -
	DATE - 07/10/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DYNAMIC RADAR SPEED SIGN
I-80 EASTBOUND TO I-57 NORTHBOUND**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-1	VARIOUS	19	8
CONTRACT NO. 62M67				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
NON-SPECIAL WASTE DISPOSAL	CU YD	1.7
REGULATED SUBSTANCES MONITORING	CAL DA	1
SIGN PANEL - TYPE 2	SQ FT	22.5
REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	484
CONCRETE FOUNDATIONS	CU YD	1.18
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	0.25
RADAR SPEED SIGN	EACH	1

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH SIGN PANEL ASSEMBLY-TYPE B
- 1 EACH SIGN PANEL WOOD POST
- 1 EACH FLASHING BEACON

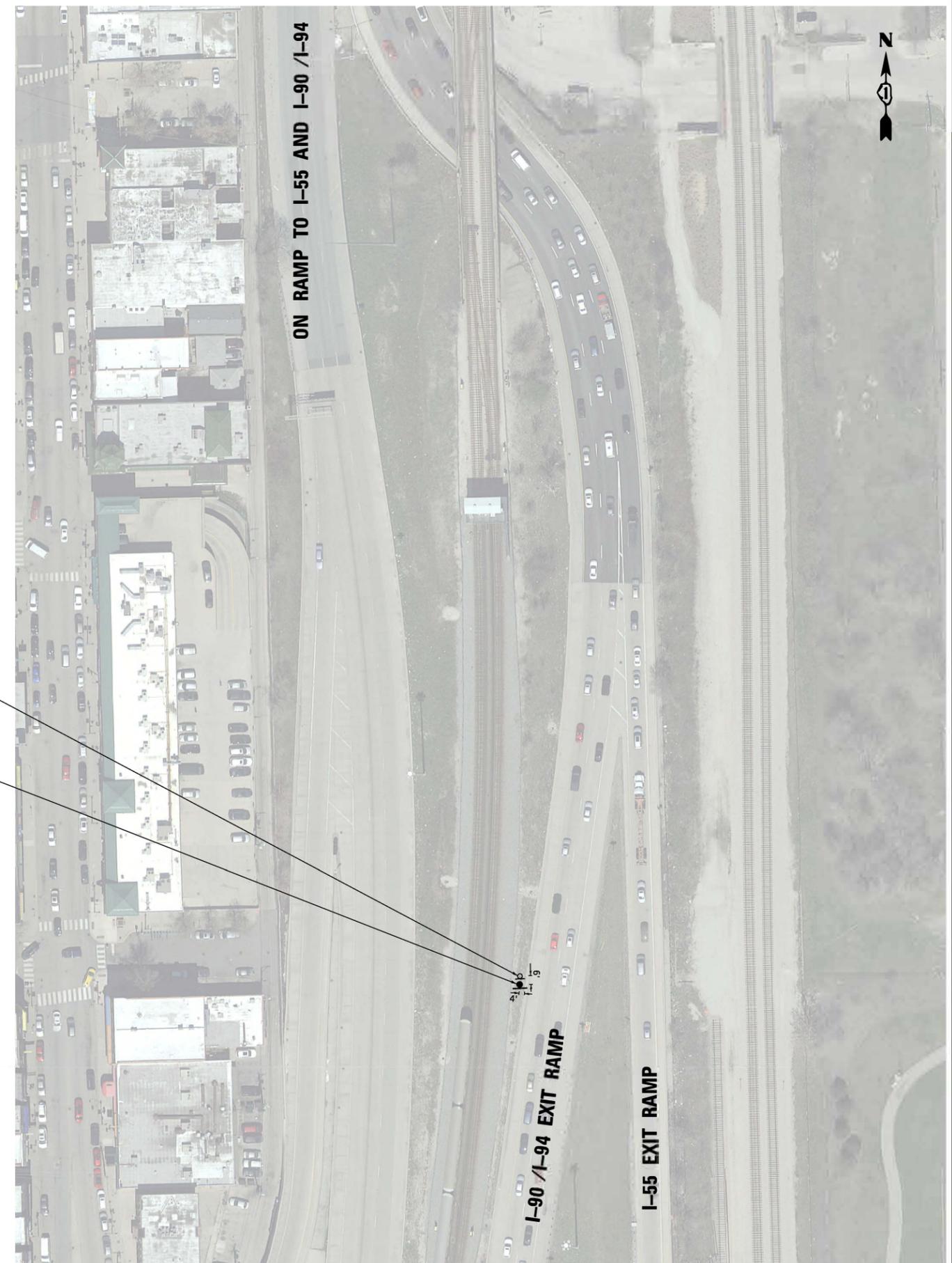


REMOVE EXISTING SIGN PANEL ASSEMBLY AND POST

PROP. RADAR SPEED SIGN ON NEW POST WITH NEW SIGN PANEL ASSEMBLY APPROX. 6' IN FRONT OF EXISTING ADVISORY SIGN OFFSET OF 4' BEHIND BARRIER WALL

NOTES:

- PROPOSED SIGN IS LOCATED APPROXIMATELY 1350, SOUTH OF THE STOP BAR AT THE INTERSECTION OF CERMAK ROAD AND I-90/I-94 EXIST RAMP.
- SPEED RADAR SHOULD BE INSTALLED 7' ABOVE THE TOP OF PAVEMENT AS SHOWN IN THE DETAIL DRAWING.



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PLOT DATE = 7/14/2020	CHECKED - LP	REVISED -
	DATE - 07/10/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DYNAMIC RADAR SPEED SIGN
I-90 /I-94 EXIT TO CERMAK ROAD**

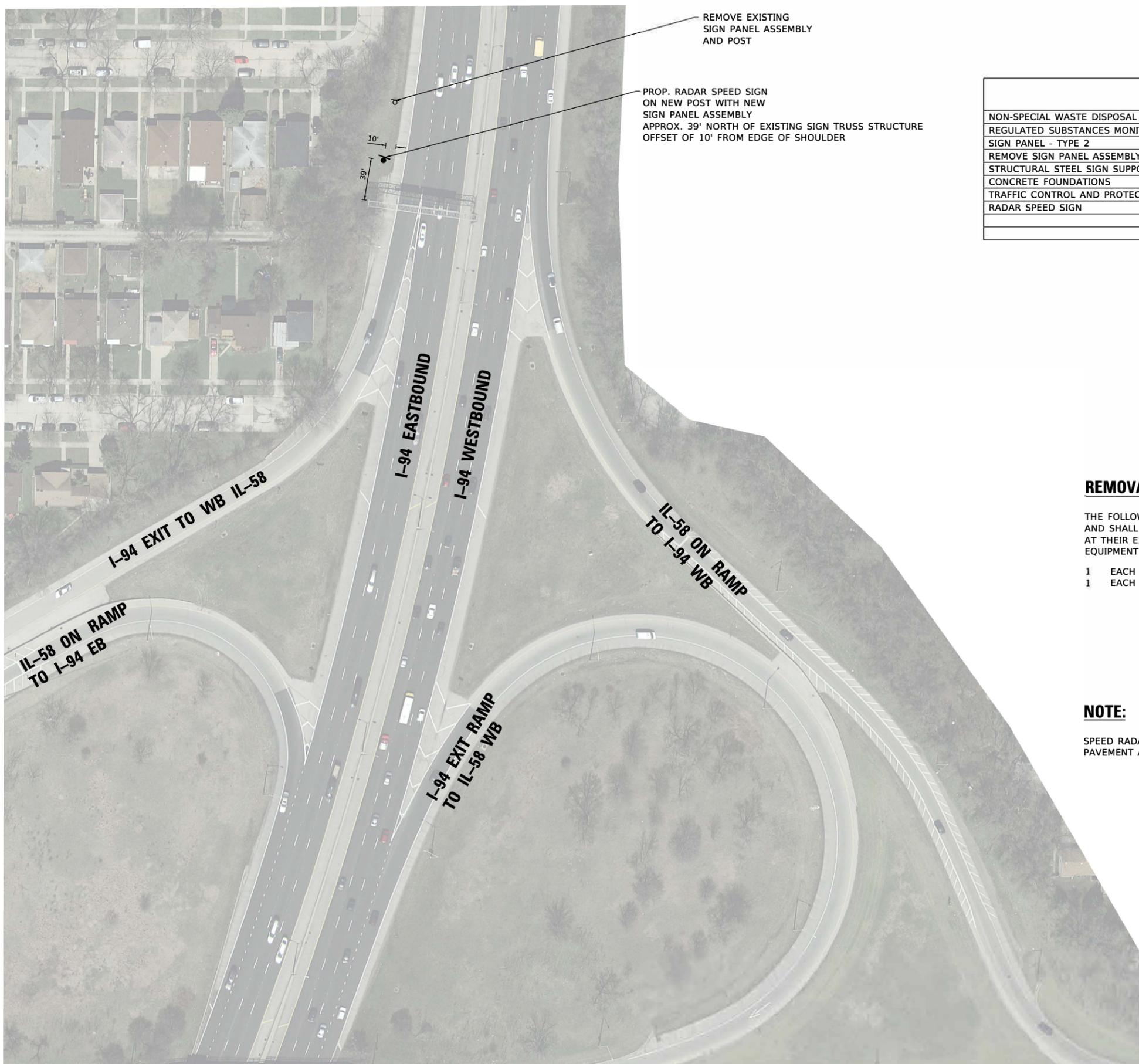
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-1	VARIOUS	19	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M67	



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
NON-SPECIAL WASTE DISPOSAL	CU YD	1.7
REGULATED SUBSTANCES MONITORING	CAL DA	1
SIGN PANEL - TYPE 2	SQ FT	22.5
REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	484
CONCRETE FOUNDATIONS	CU YD	1.18
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	0.25
RADAR SPEED SIGN	EACH	1



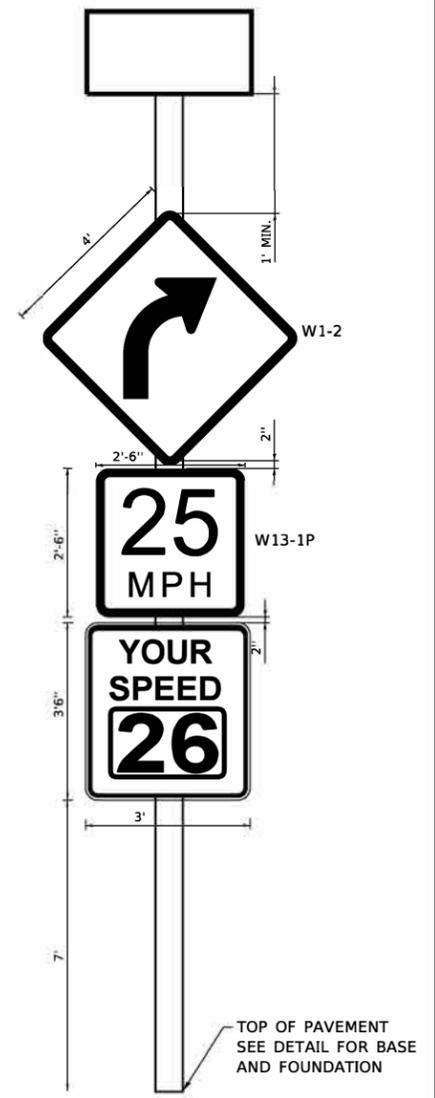
REMOVAL AND RELOCATION NOTES:

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- 1 EACH SIGN PANEL ASSEMBLY-TYPE B
- 1 EACH SIGN PANEL POST

NOTE:

SPEED RADAR SHOULD BE INSTALLED 7' ABOVE THE TOP OF PAVEMENT AS SHOWN IN THE DETAIL DRAWING.



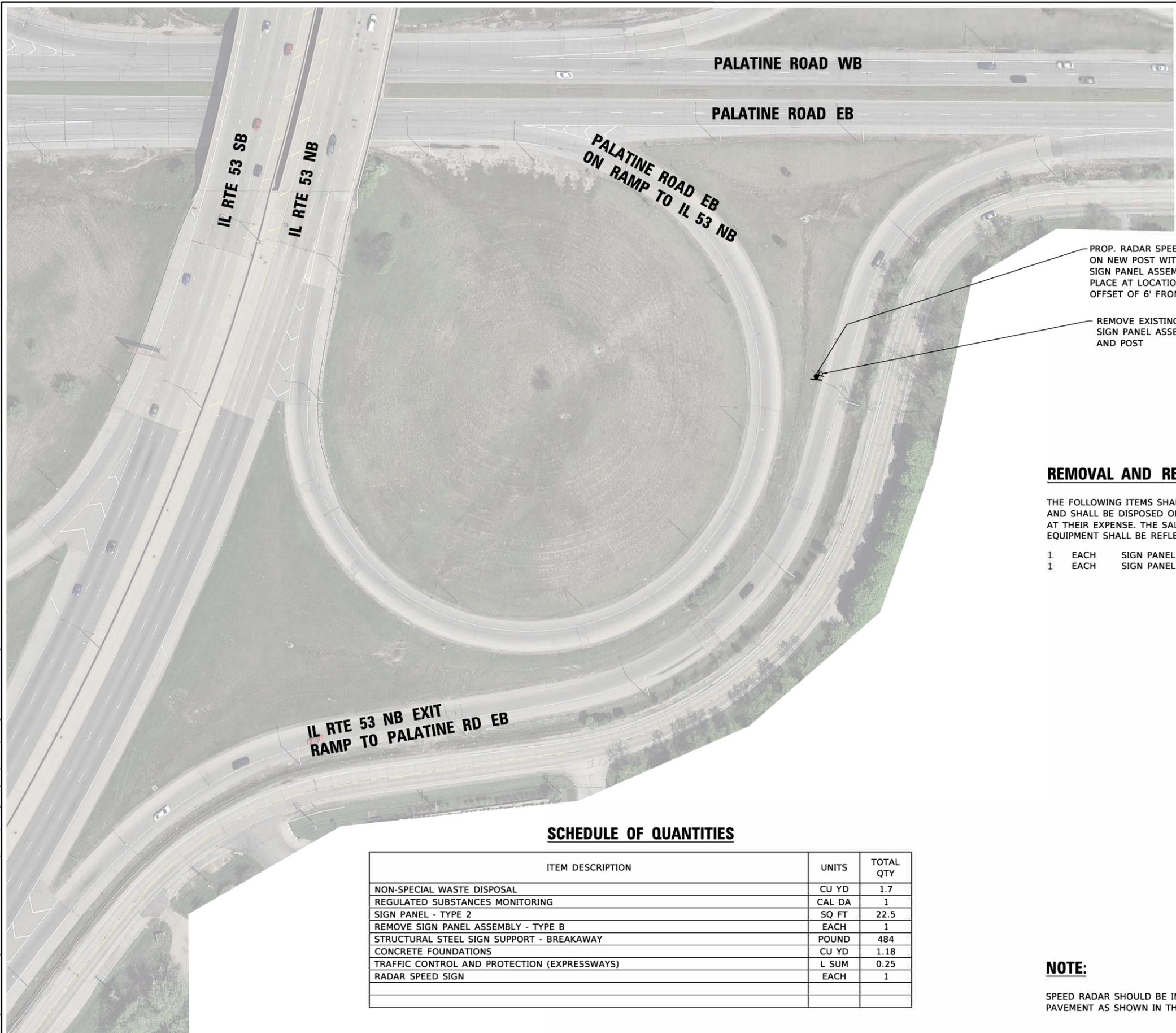
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PLOT DATE = 7/14/2020	DATE - 07/10/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DYNAMIC RADAR SPEED SIGN I-94 EASTBOUND EXIT TO IL-58 WESTBOUND	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-1	VARIOUS	19	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M67	



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH SIGN PANEL ASSEMBLY-TYPE B
- 1 EACH SIGN PANEL POST



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
NON-SPECIAL WASTE DISPOSAL	CU YD	1.7
REGULATED SUBSTANCES MONITORING	CAL DA	1
SIGN PANEL - TYPE 2	SQ FT	22.5
REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	484
CONCRETE FOUNDATIONS	CU YD	1.18
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	0.25
RADAR SPEED SIGN	EACH	1

NOTE:

SPEED RADAR SHOULD BE INSTALLED 7' ABOVE THE TOP OF PAVEMENT AS SHOWN IN THE DETAIL DRAWING.

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PLOT DATE = 7/14/2020	DATE - 07/10/2020	REVISED -

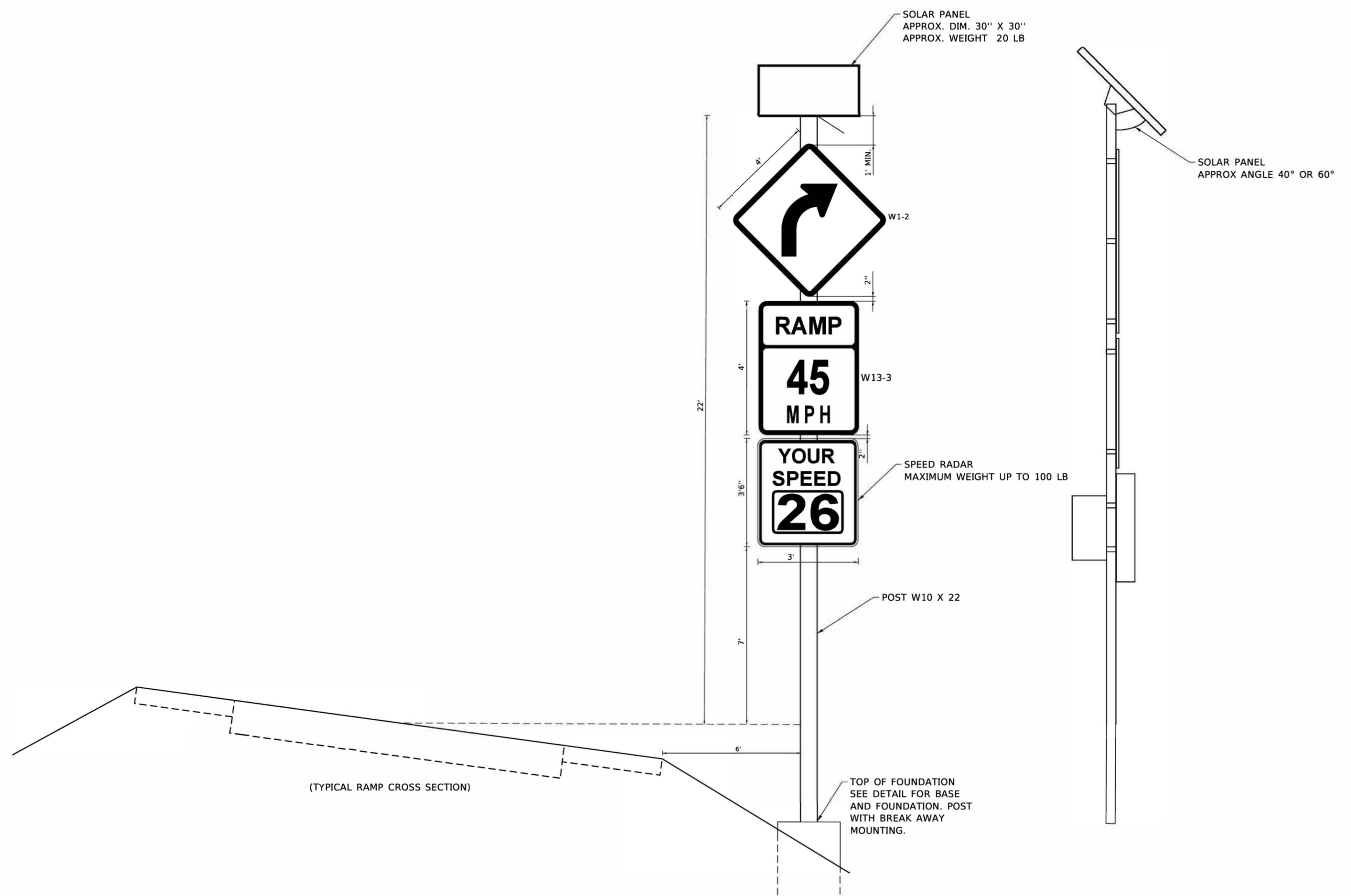
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DYNAMIC RADAR SPEED SIGN
IL RTE 53 EXIT TO EASTBOUND PALATINE RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-1	VARIOUS	19	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M67	

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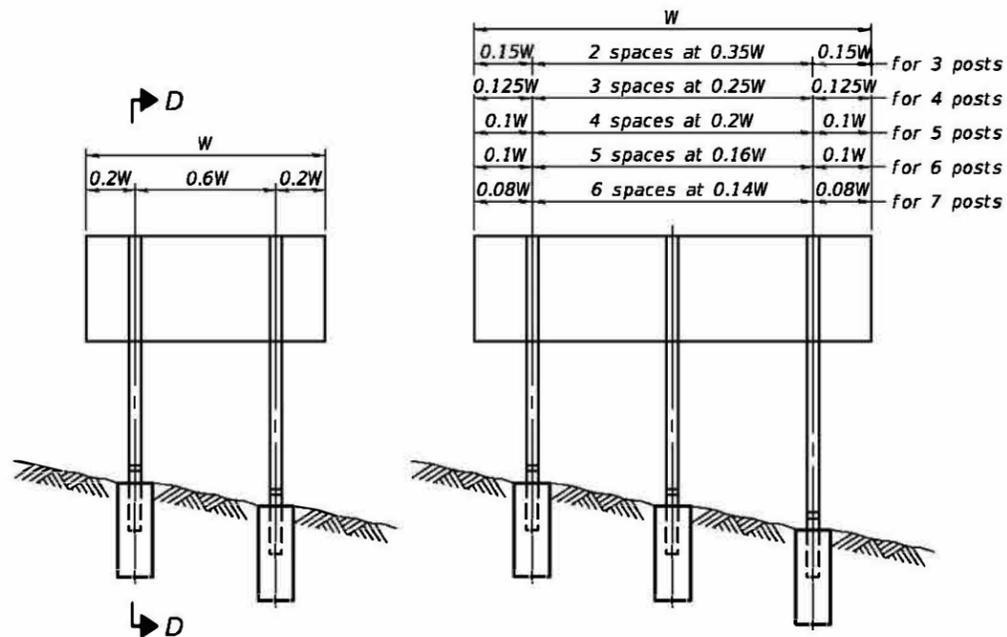
(TYPICAL RAMP CROSS SECTION)

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PLOT DATE = 7/14/2020	DATE = 07/10/2020	REVISED =

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

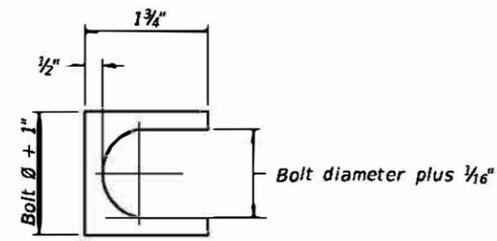
DYNAMIC SPEED RADAR SIGN DETAIL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-1	VARIOUS	19	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M67	



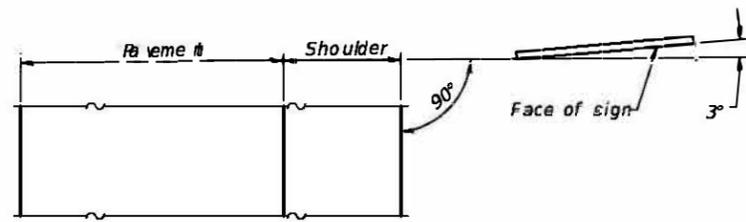
0.15W	2 spaces at 0.35W	0.15W	for 3 posts
0.125W	3 spaces at 0.25W	0.125W	for 4 posts
0.1W	4 spaces at 0.2W	0.1W	for 5 posts
0.1W	5 spaces at 0.16W	0.1W	for 6 posts
0.08W	6 spaces at 0.14W	0.08W	for 7 posts

ELEVATION

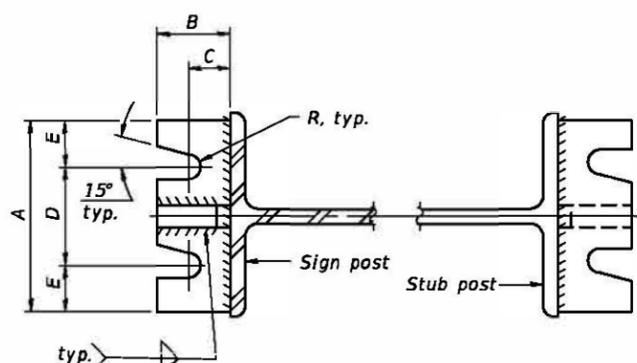


SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.



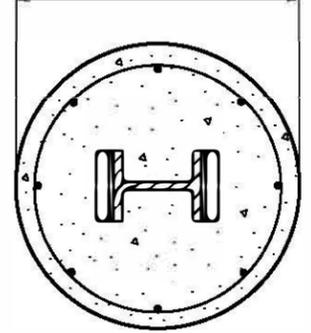
LOCATION SKETCH



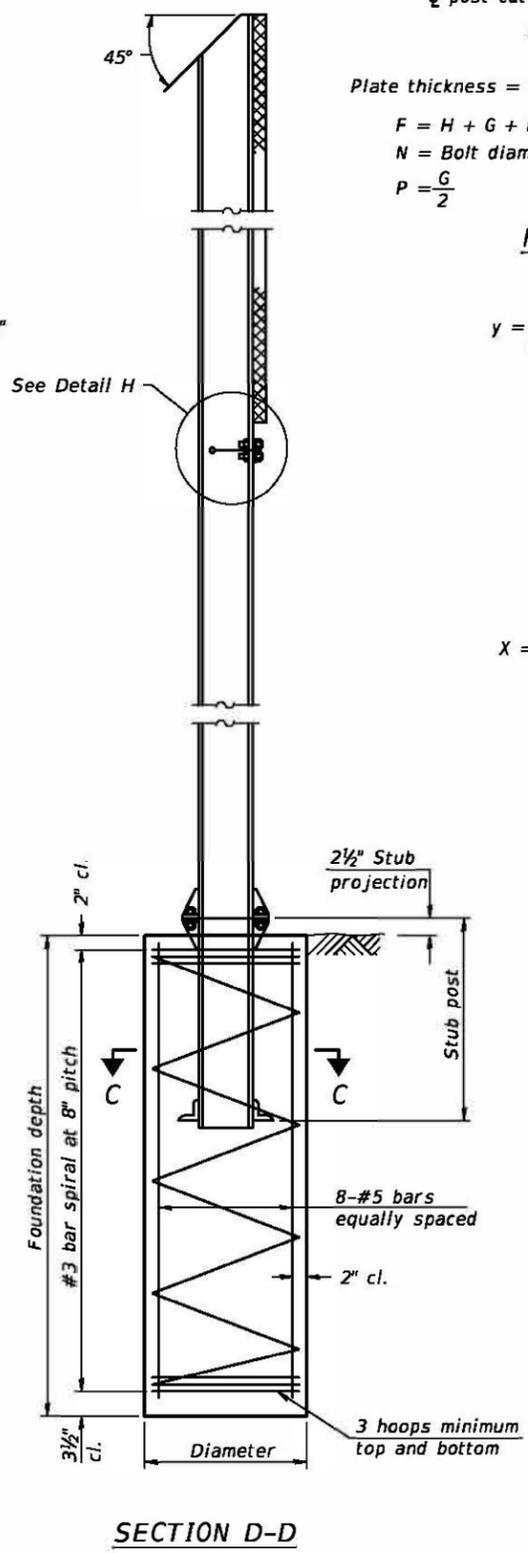
SECTION A-A

SECTION B-B

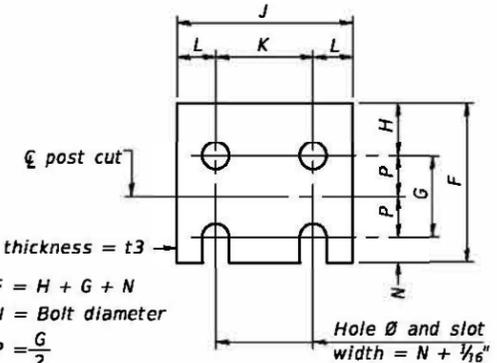
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SECTION C-C



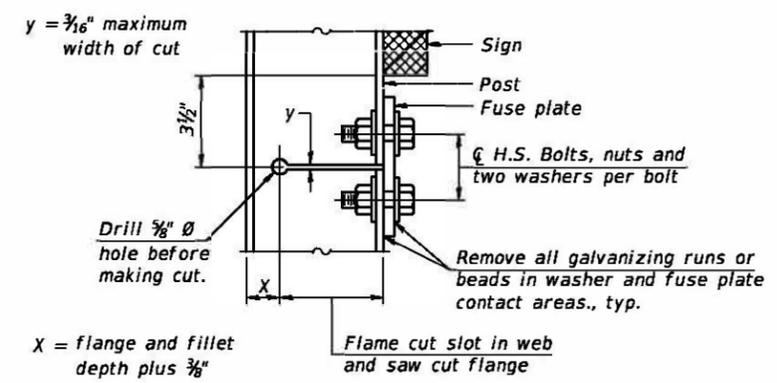
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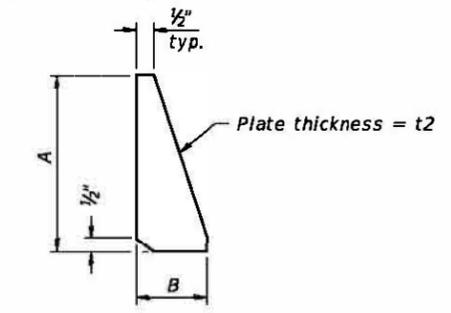
FUSE PLATE DETAIL
(Install with notches down.)

Plate thickness = t3
 $F = H + G + N$
 $N = \text{Bolt diameter}$
 $P = \frac{G}{2}$

N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



DETAIL H



STIFFENER PLATE DETAIL

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
 Structural steel - 20,000 p.s.i.
 Reinforcing steel - 20,000 p.s.i.
 Concrete - 1,400 p.s.i.
 Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

MODEL: Default
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 DATE: 7/14/2020

BAW-A-1

2-17-2017

USER NAME = koby/kaka	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/14/2020	CHECKED -	REVISED -
	DATE -	REVISED -

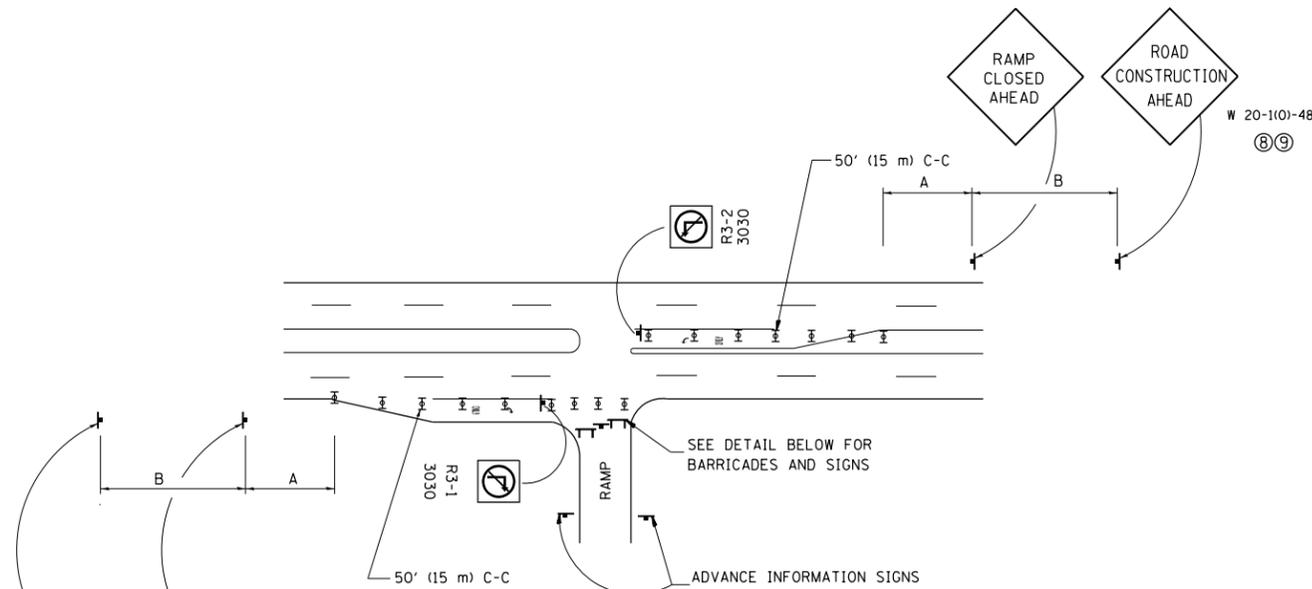
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE
STEEL SIGN POST DETAILS

(Sheet 1 of 2)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-1	VARIOUS	19	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M67	

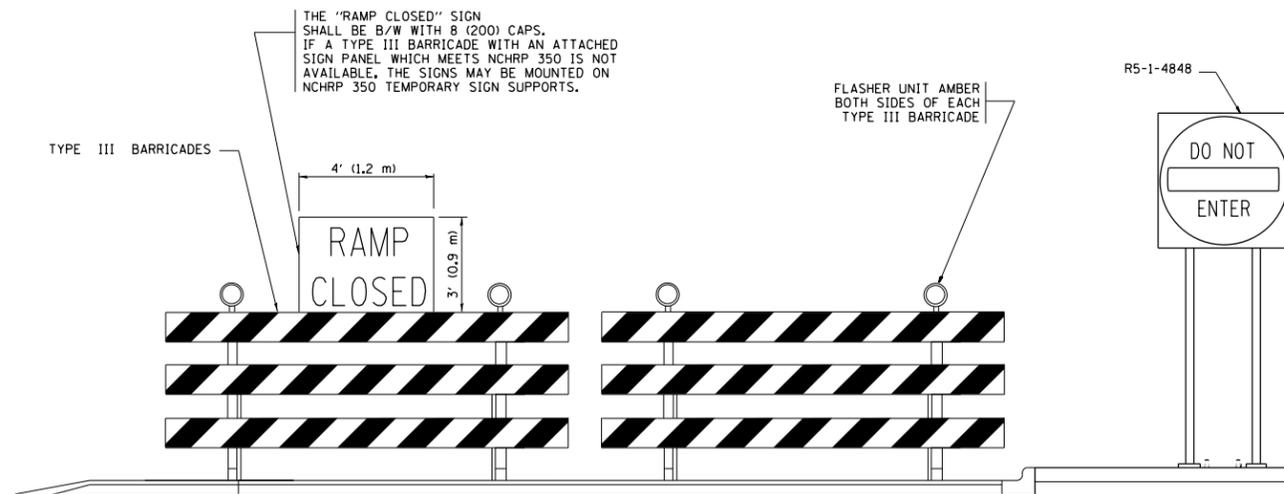
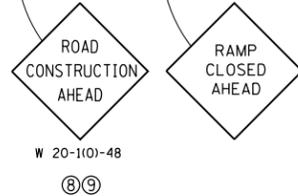


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

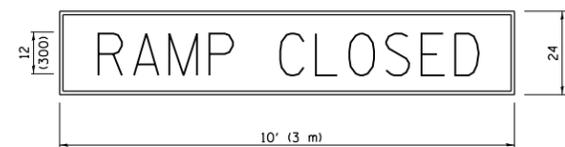
FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY <24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL ≥45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	150' (45 m)	150' (45 m)

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



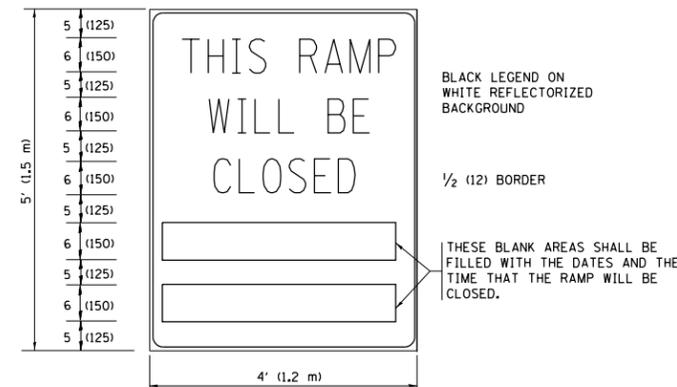
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN

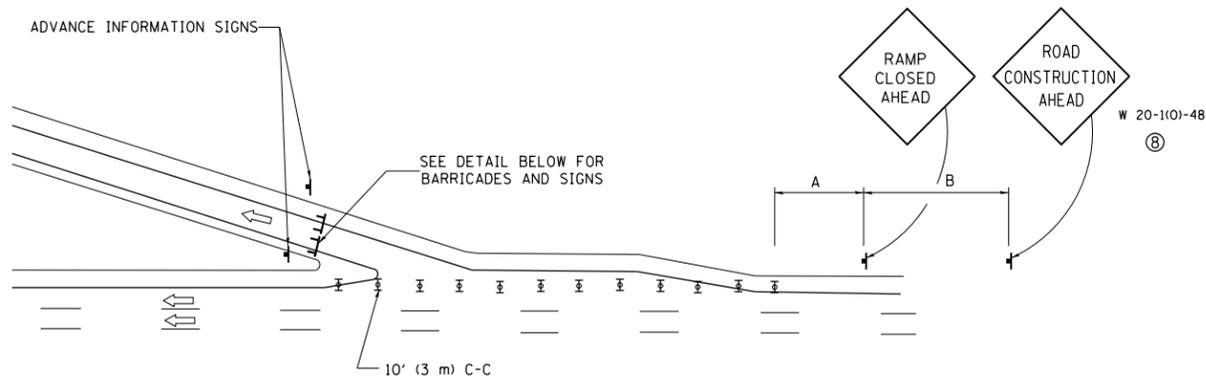


BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND
 1 (25) BORDER
 THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



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



EXIT RAMP CLOSURE

SYMBOLS

- ▬ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- ▬ TYPE III BARRICADE WITH FLASHING LIGHT

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 STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
- 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 TWENTY-FOUR (24) HOURS 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 MAY BE OMITTED ON CLOSURES LESS THAN 24 HOURS IN DURATION.

REVISIONS	
NAME	DATE
DWS	2-83
DWS	1/90
DWS	9/94
DWS	12/94
DWS/JAF	12/02
JAF	2/06
SPB	1/07
SPB	12/09
Revise devices to meet NCHRP 350	4/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
FREWAY
ENTRANCE AND EXIT RAMP
CLOSURE DETAILS

SCALE: NONE
 DRAWN BY: TC-8
 CHECKED BY:

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

USER NAME = koby/kaka	DESIGNED -	REVISED -
PLOT SCALE = 100.0964' / in.	DRAWN -	REVISED -
PLOT DATE = 8/14/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

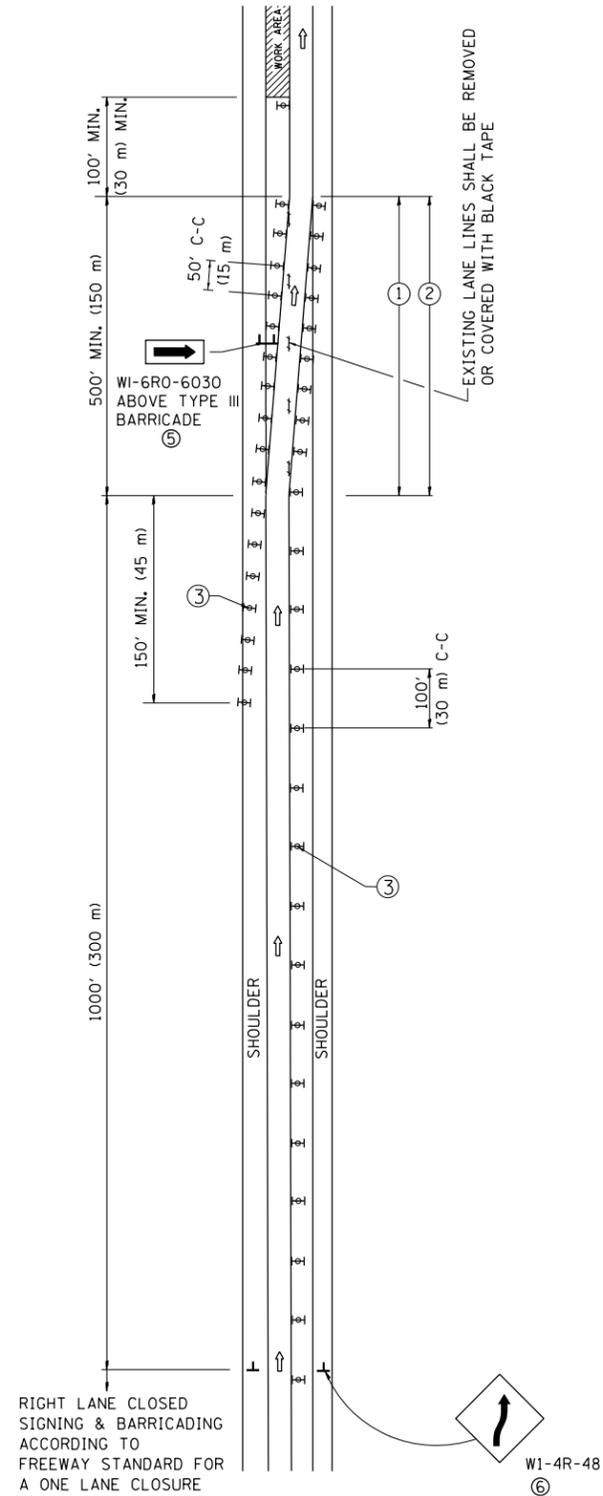
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-1	VARIOUS	19	16

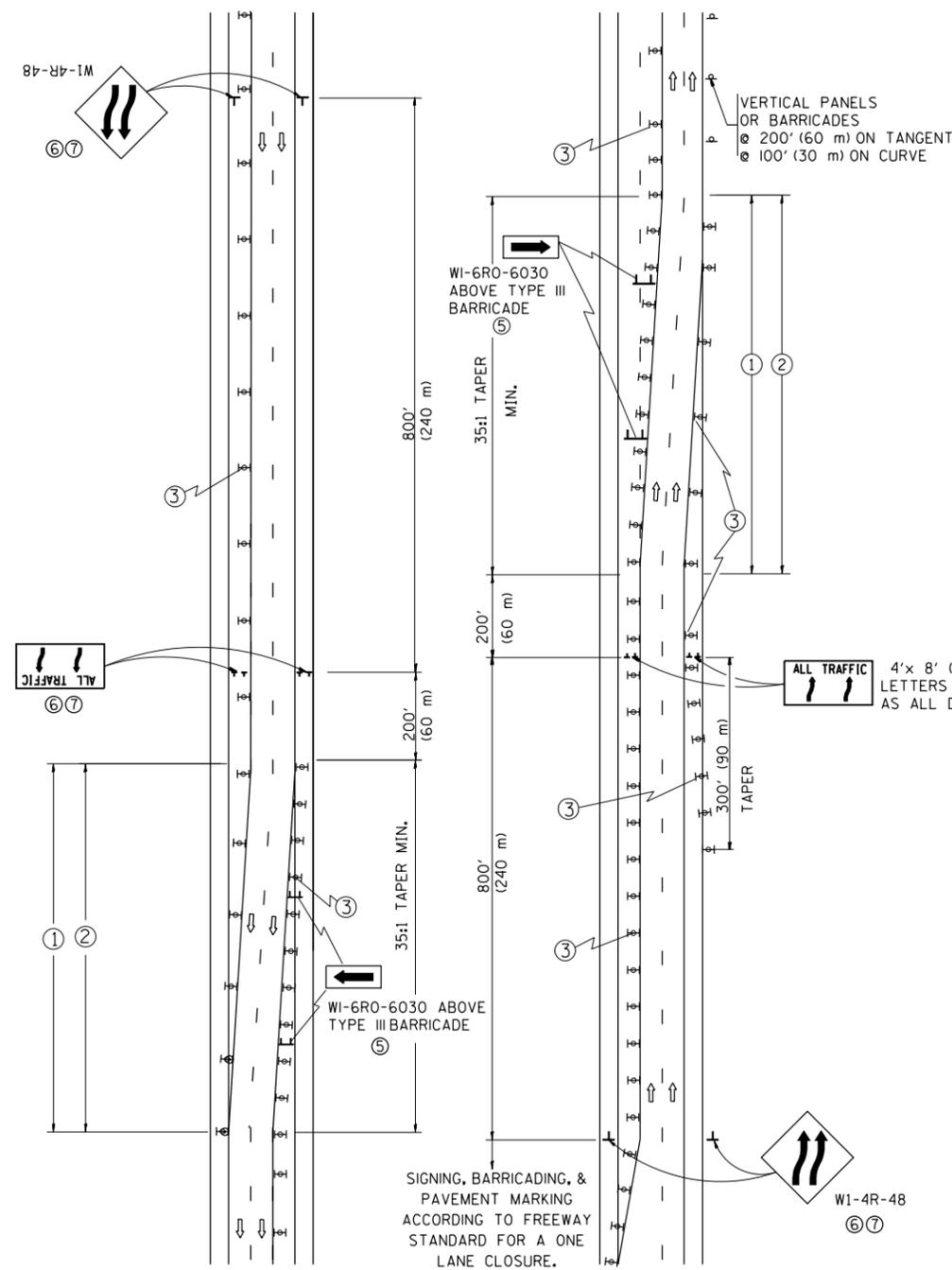
CONTRACT NO. 62M67
 ILLINOIS FED. AID PROJECT

MODEL: Defaul
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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 24 HOURS 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.
 - IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS. 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.

4'x 8' (1.2 m x 2.4 m); 1 (25) BORDER; 10 (250) CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

 W24-1-48 (7)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
DWS	2/87
DWS	1/90
DWS	12/27/94
DWS	11/96
JAF	4/03
JAF	2/06
SPB	1/07
SPB	12/09

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE

SCALE: NONE DRAWN BY R.H.

TC-9

MODEL: Default; FILE: Model; 3:00PM Design\KUNHouse-Design\09-1-59-1-20-CH-47M7-NewDynamic-Speed-Signs-Project\Dynamic-Speed-Signs-Review\05-24-2020.dgn

USER NAME = kobykaka	DESIGNED -	REVISED -
PLOT SCALE = 100,0964' / in.	DRAWN -	REVISED -
PLOT DATE = 8/14/2020	CHECKED -	REVISED -
	DATE -	REVISED -

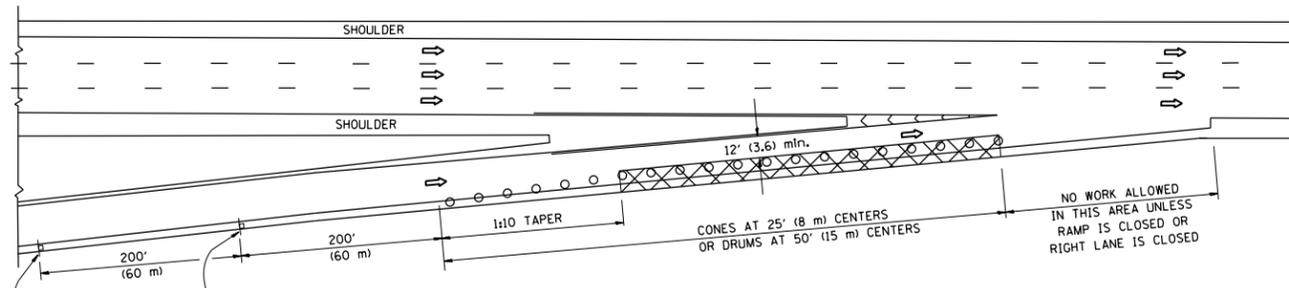
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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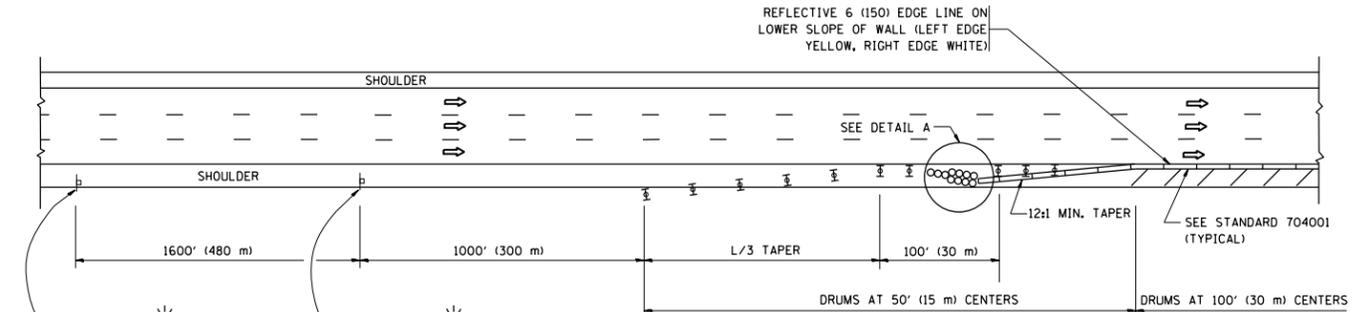
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-I	VARIOUS	19	17
CONTRACT NO. 62M67				
ILLINOIS FED. AID PROJECT				

PARTIAL RAMP CLOSURE DETAILS

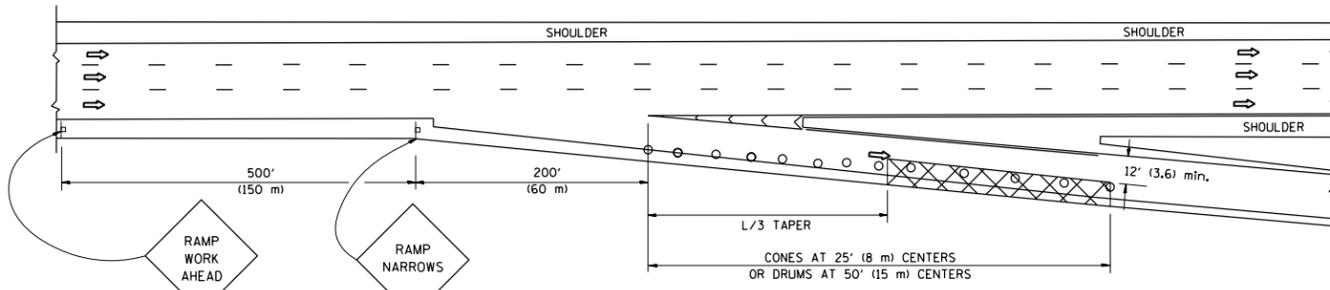
SHOULDER CLOSURE DETAILS



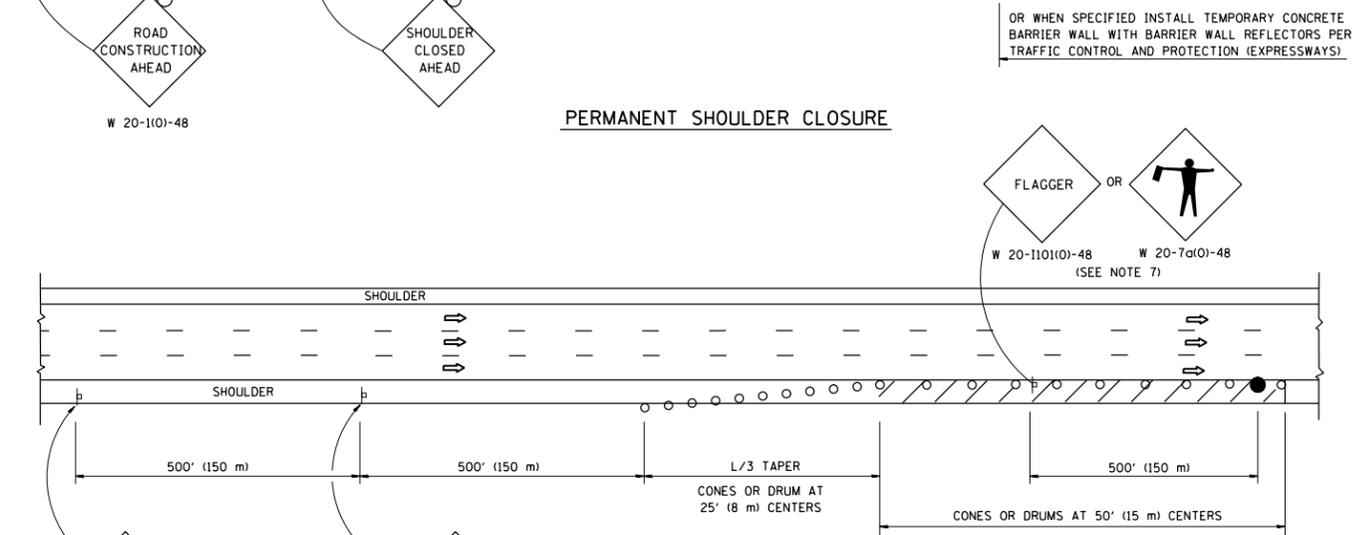
TYPICAL ENTRANCE RAMP



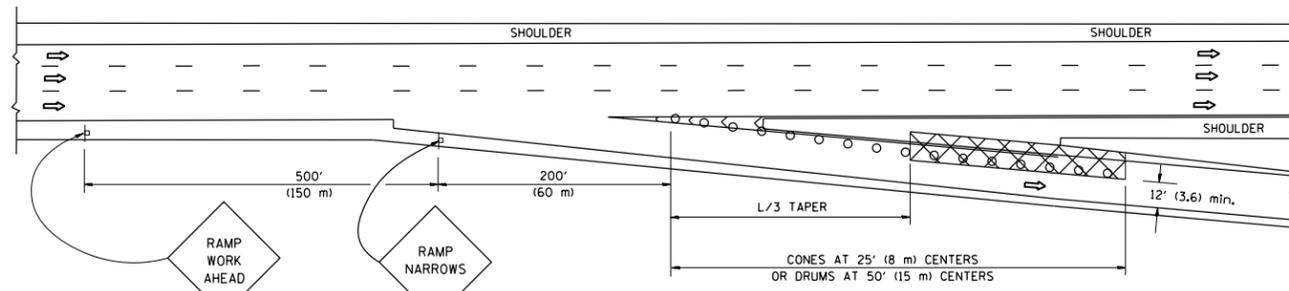
PERMANENT SHOULDER CLOSURE



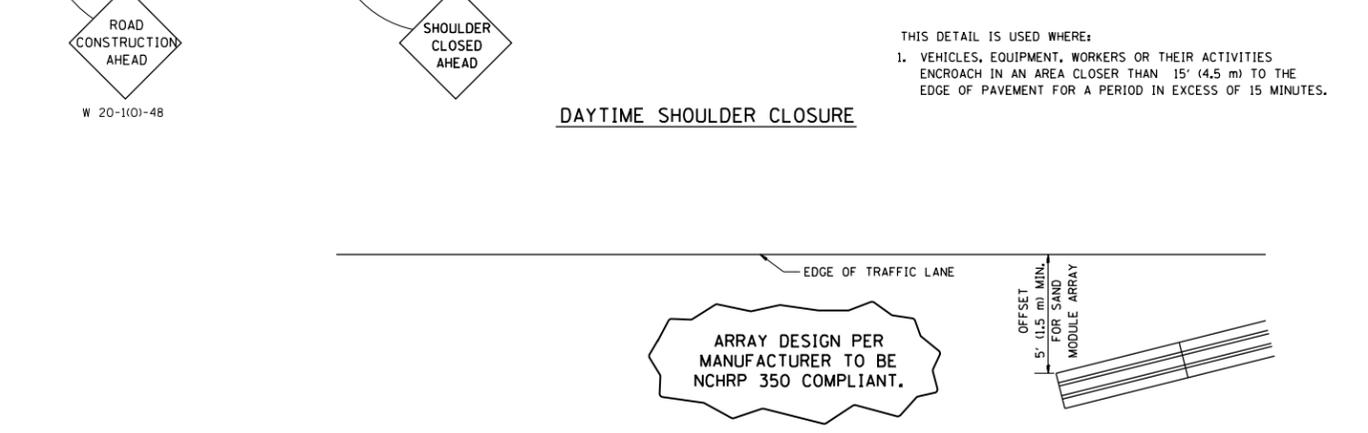
TYPICAL EXIT RAMP



DAYTIME SHOULDER CLOSURE



TYPICAL EXIT RAMP



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

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

- 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)
- PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
- 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.

- 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.
- 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 ACTIVITY 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.

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

REVISIONS	
NAME	DATE
DWS	11/96
JAF	12/02
NCHRP 350	04/03
JAF	2/06
SPB	1/07
SPB	12/09

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS
FOR FREEWAY
SHOULDER CLOSURES
PARTIAL RAMP CLOSURES

SCALE: NONE
DESIGNED BY: [blank]
DRAWN BY: [blank]
CHECKED BY: [blank]
TC-17

USER NAME = koby/kaka	DESIGNED -	REVISED -
PLOT SCALE = 100.0964' / in.	DRAWN -	REVISED -
PLOT DATE = 8/14/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-195-I		19	19
CONTRACT NO. 62M67				
ILLINOIS FED. AID PROJECT				

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 PLOT DATE: 8/14/2020

HOUSE-DESIGN\09-15-09-20-CH-62M67-New-Dynamic-Speed-Signs-Project\Dynamic-Speed-Sign-Review-06-24-2020.dgn
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