

033

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
EC	2018-112-1	WILL	13	1
FUNDS: CONTRACT NO. 62H35				

13 + 2 = 15 TOTAL SHEETS
15 + 2 = 17 TOTAL SHEETS
D-91-040-19

FOR INDEX OF SHEETS, SEE SHEET NO. 2

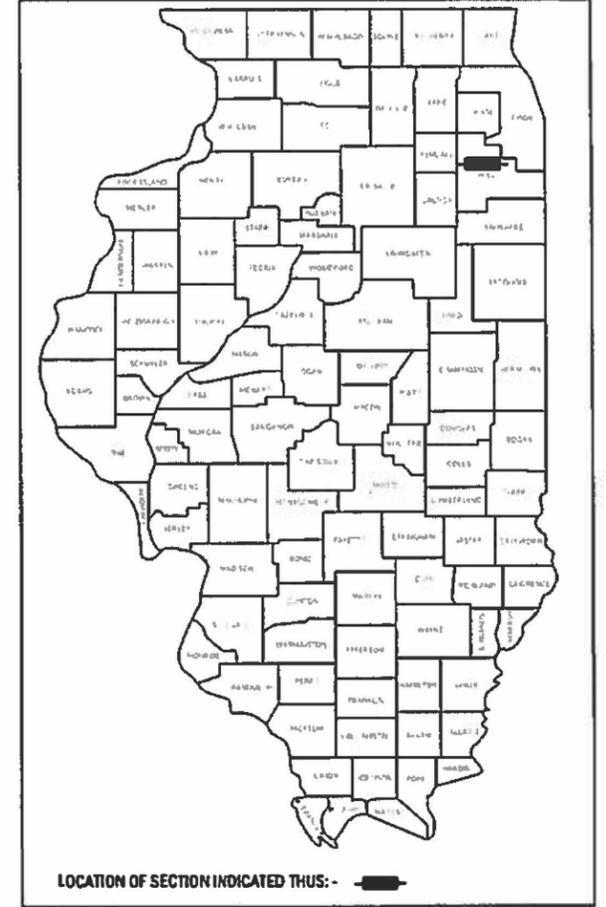
PROJECT IS LOCATED IN THE
CITY OF JOLIET

PROPOSED HIGHWAY PLANS

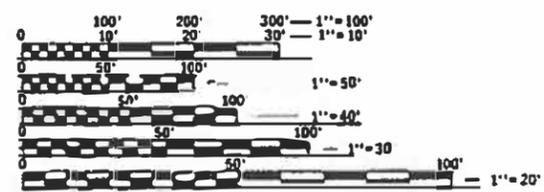
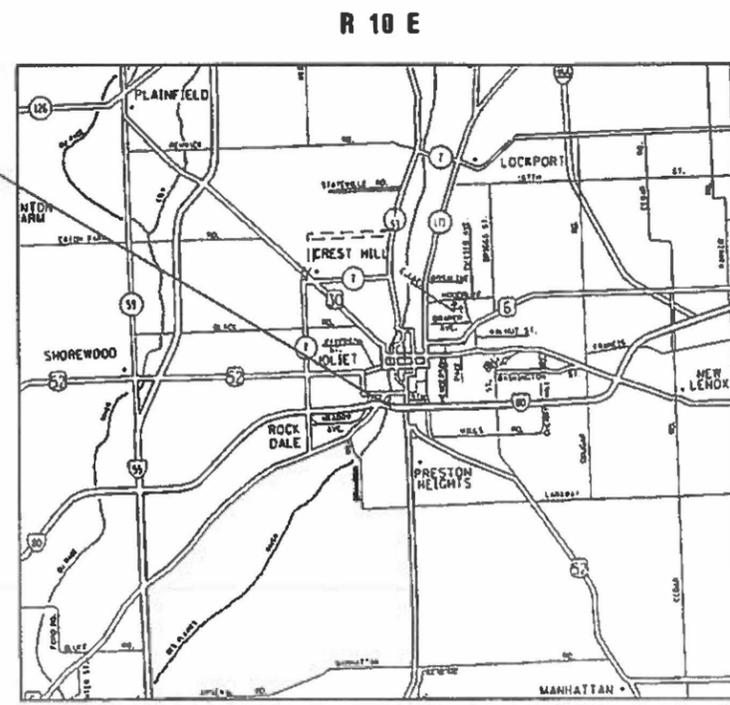
FAI ROUTE 80 : INTERSTATE ROUTE 80
OVER DES PLAINES RIVER
SECTION: 2018-112-1
PROJECT NHPP-NPFR(074)
MISCELLANEOUS (PIER PROTECTION CELL)
WILL COUNTY
C-91-239-19

TRAFFIC DATA:

INTERSTATE RTE 80:
2017 ADT = 85,400
SPEED LIMIT = 55 MPH



PROJECT LOCATION
I-80 OVER DES PLAINES RIVER
SN: 099-0056



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 JEAN A. MIDY (847)221-3056
PROJECT MANAGER FAWAD AQUEEL (847)705-4247

JOLIET TOWNSHIP

GROSS LENGTH = 2,385 FT. = 0.452 MILE
NET LENGTH = 470 FT. = 0.089 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED ~~November 30 2018~~
Feb 9 2019
Anthony A. Wrayley / OAB REGIONAL ENGINEER

Feb 19 2019
Paul P. Ch... ENGINEER OF DESIGN AND ENVIRONMENT
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 62H35

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	TITLE SHEET
2.	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3.	SUMMARY OF QUANTITIES
4.	ROADWAY PLAN
5.	STRUCTURAL PLANS
1	8A. ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
	8B. TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE (TC-09)
9.	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
10.	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
11.	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS (TC-18)
12.	ARTERIAL ROAD INFORMATION SIGNING (TC-22)
13.	DRIVEWAY ENTRANCE SIGNING (TC-26)

STATE HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
1	701400-09 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
	701401-12 LANE CLOSURE, FREEWAY/EXPRESSWAY
1	701411-09 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
	701428-01 TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
1	701446-09 TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
	701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
	701606-10 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
	701901-08 TRAFFIC CONTROL DEVICES

DISTRICT ONE STANDARDS

STANDARD NO.	DESCRIPTION
TC-08	ENTRANCE AND EXIST RAMP CLOSURE DETAILS
1	TC-09 TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
	TC-17 TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

COMMITMENT

NO IN-STREAM WORK SHALL BE PERFORMED DURING THE BANDED KILLFISH SPAWING DATES FROM JUNE 1 THROUGH JULY 31 OF ANY CONSTRUCTION YEAR.

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 COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE CITY OF JOLIET.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 1
- THE RESIDENT ENGINEER SHALL CONTACT REGINA COOPER, EXPRESSWAY OPERATIONS ENGINEER VIA E-MAIL AT REGINA.COOPER2@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM DISTRICT 1 BRIDGE INSPECTORS.
- PRIOR TO BEGINNING CONSTRUCTION WORK, THE CONTRACTOR SHALL SUBMIT A WORK PLAN TO THE U.S. COAST GUARD FOR APPROVAL.
- IDOT EMC WILL PROVIDE THE NAVIGATION LIGHTING, CONDUIT AND WIRE. DURING CONSTRUCTION OF THE NEW PIER THE CONSTRUCTION CONTRACTOR MUST COORDINATE AND PROVIDE ACCESS AND EQUIPMENT FOR EMC CONTRACTOR TO INSTALL THE NAVIGATION LIGHTING AND ELECTRICAL EQUIPMENT.
- THE DEPARTMENT HAS DETERMINED THAT IN STREAM WORK IS NOT REQUIRED FOR THE WORK SPECIFIED IN THIS CONTRACT. THE DEPARTMENT HAS NOT OBTAINED A 404 PERMIT. IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING AN USACE 404 PERMIT IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER USACE PERMITS.
- THE CONTRACTOR SHALL OBTAIN COAST GUARD APPROVAL FOR ANY WORK THAT MAY INTERFERE WITH NAVIGATIONAL OPERATIONS OF THE NAVIGABLE WATERS. A WORK PLAN SHALL BE PREPARED BY THE CONTRACTOR, REVIEWED AND APPROVED BY THE ENGINEER AND BE SUBMITTED BY THE ENGINEER TO THE COAST GUARD AT THE ADDRESS LISTED BELOW FOR APPROVAL.

BRIDGE ADMINISTRATOR
US COAST GUARD
NINTH COAST GUARD DISTRICT
1240 E. NINTH ST
CLEVELAND, OH 44199-2060
- 1
- THE CONTRACTOR SHALL REQUEST AND GAIN THE 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. THIS ADVANCED NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.

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	DRAWN -	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GARYS MILL RD OVER WEST BRANCH DUPAGE RIVER (SN 022-0162)
GENERAL NOTES

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2018-112-4	WILL	13	2
				CONTRACT NO. 62H35
ILLINOIS FED. AID PROJECT				

1 REV 2/22/19 REV 2/1/19 REV 1/15/19

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		NHPP 90% FED 10% ST 0048				
50200300	COFFERDAM EXCAVATION	CU YD	178	178				
50300265	SEAL COAT CONCRETE	CU YD	675	675				
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	500	500				
50500505	STUD SHEAR CONNECTORS	EACH	900	900				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1860	1860				
52200015	PERMANENT SHEET PILING	SO FT	3430	3430				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3				
67100100	MOBILIZATION	L SUM	1	1				
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1				
X0326685	NAVIGATIONAL LIGHT	L SUM	1	1				
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1				
XZ039900	REMOVAL OF PIER PROTECTION CELL	L SUM	1	1				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		NHPP 90% FED 10% ST 0048				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	25.7	25.7				
50300225	CONCRETE STRUCTURES	CU YD	159	159				
X0321809	PERMANENT GROUND ANCHORS	EA	24	24				

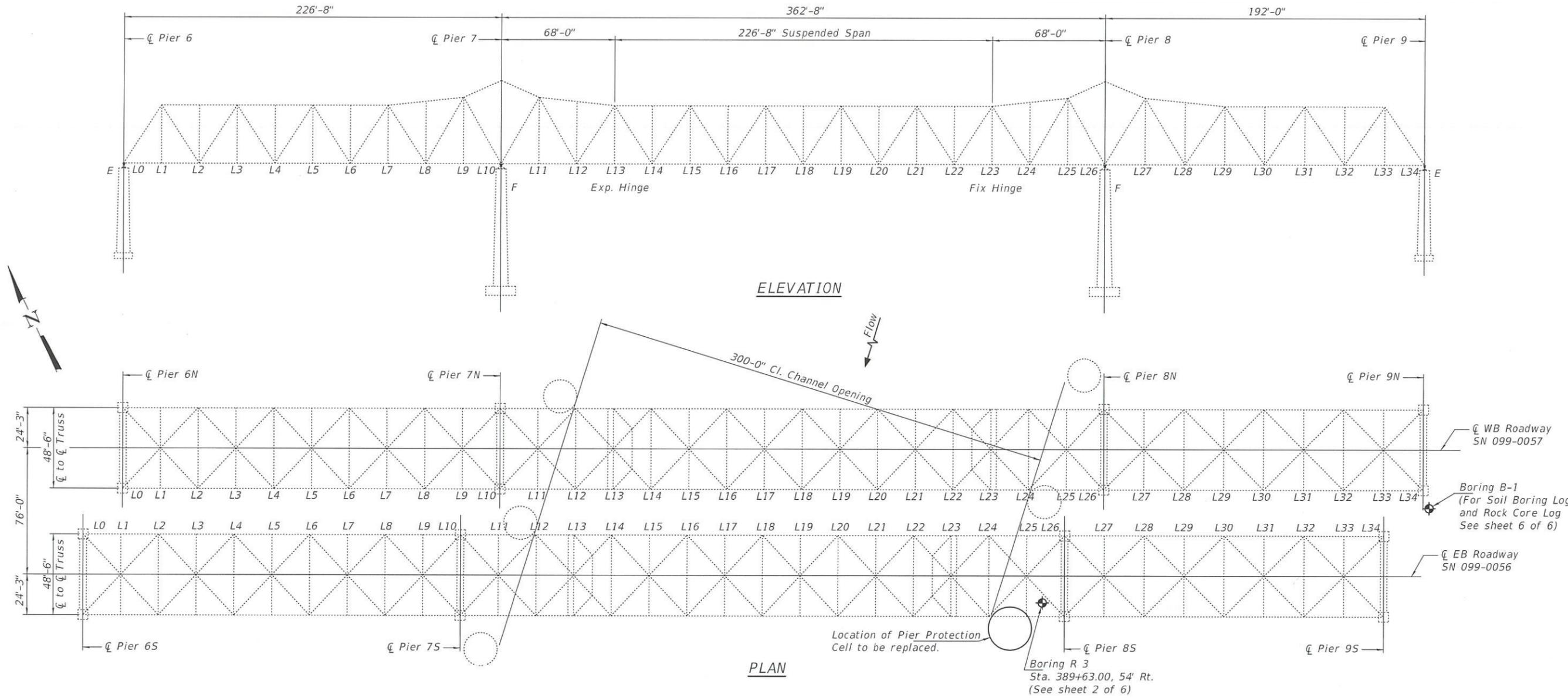
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-80 OVER DES PLAINES RIVER
SUMMARY OF QUANTITIES**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2018-112-1	WILL	13	3
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



ELEVATION

PLAN

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
 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.
 No dewatering of the cell shall be allowed until all lifts of seal coat are in place.

DESIGN SPECIFICATION

2017 AASHTO LRFD Design Specifications.
 2009 Guide Specifications for Vessel Collisions.

DESIGN LOADING

Lateral force on cell (P) = 3511k (Weight of Barges plus Boat)
 Point of application = 4.3' above normal pool.
 Design Velocity of Water = 10 ft./sec.

DESIGN STRESSES

$f'_s = 20,000$ lbs./lineal inch (Sheet Piling interlocking strength in tension)
 $f'_c = 3,500$ p.s.i.
 $f'_c = 3,500$ p.s.i. (Seal Coat Concrete)
 $f_y = 50,000$ p.s.i. (Sheet Piling)
 $f_u = 150,000$ p.s.i. (H.S. bars)
 $f_y = 36,000$ p.s.i. (Structural Steel) M 270 Gr 36
 $f_y = 50,000$ p.s.i. (Anchor Bearing Plate) M 270 Gr 50

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	159
Reinforcement Bars, Epoxy Coated	Pound	1860
Furnishing & Erecting Structural Steel	Pound	500
Seal Coat Concrete	Cu. Yd.	675
Permanent Steel Sheet Piling	Sq. Ft.	3430
Cofferdam Excavation	Cu. Yd.	178
Permanent Ground Anchors	Each	24
Stud Shear Connectors	Each	900
Removal of Pier Protection Cell	L. Sum	1
Navigation Light	L. Sum	1

* IDOT Electrical Maintenance Contract (EMC) will provide the navigational lighting, conduit and wire. During construction of the new pier protection cell the contractor must coordinate and provide access and equipment for the EMC contractor to install the navigational lighting and electrical equipment. For location of navigational light, see sheet 2 of 6.



EXPIRES 11-30-2020

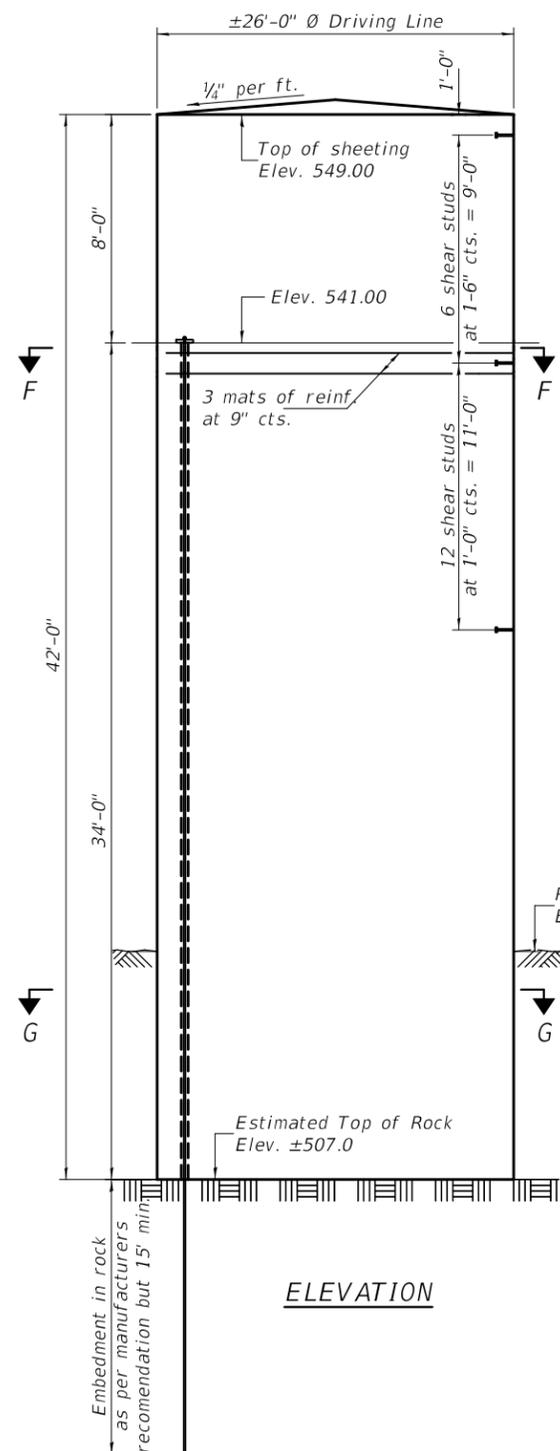
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CHECKED - [Signature]	PASSED - [Signature]	REVISED - 02/25/2019 VHV
DRAWN - [Signature]	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
CHECKED - [Signature]		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

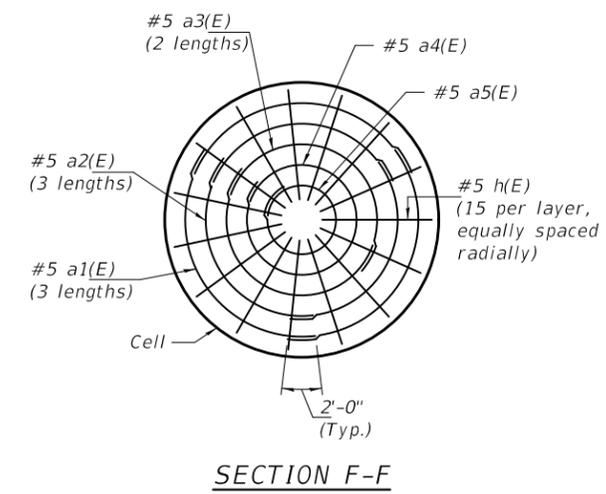
GENERAL PLAN AND ELEVATION
 FAI 80 OVER DES PLAINES RIVER
 SN 099-0056 (WB)

F.A.I. RTE. 80	SECTION 2018-112-I	COUNTY WILL	TOTAL SHEETS 13	SHEET NO. 5
CONTRACT NO. 62H35				
ILLINOIS FED. AID PROJECT				

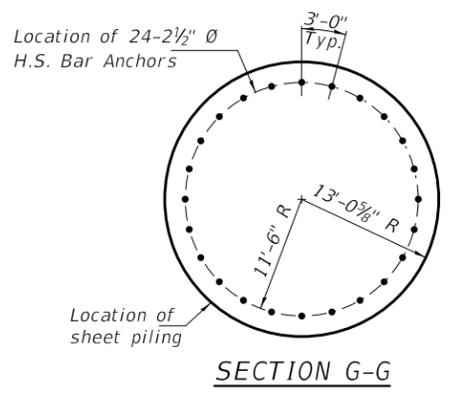
SHEET NO. 1 OF 6 SHEETS



ELEVATION



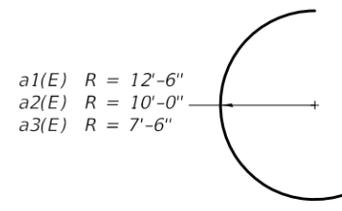
SECTION F-F



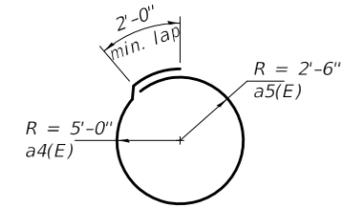
SECTION G-G

NOTES

Ground Anchor H.S. Bolts shall be high tensile strength alloy bars conforming to the requirements of AASHTO M275 Type I. Each bar shall be post-tensioned to a lock off load force of 100 Kips.
 The Anchor length of the H.S. bar into rock, the strength of the primary grout, & the grouting procedure should be such that a design load of 467 Kips per anchor is attained.



BARS a1(E), a2(E) & a3(E)



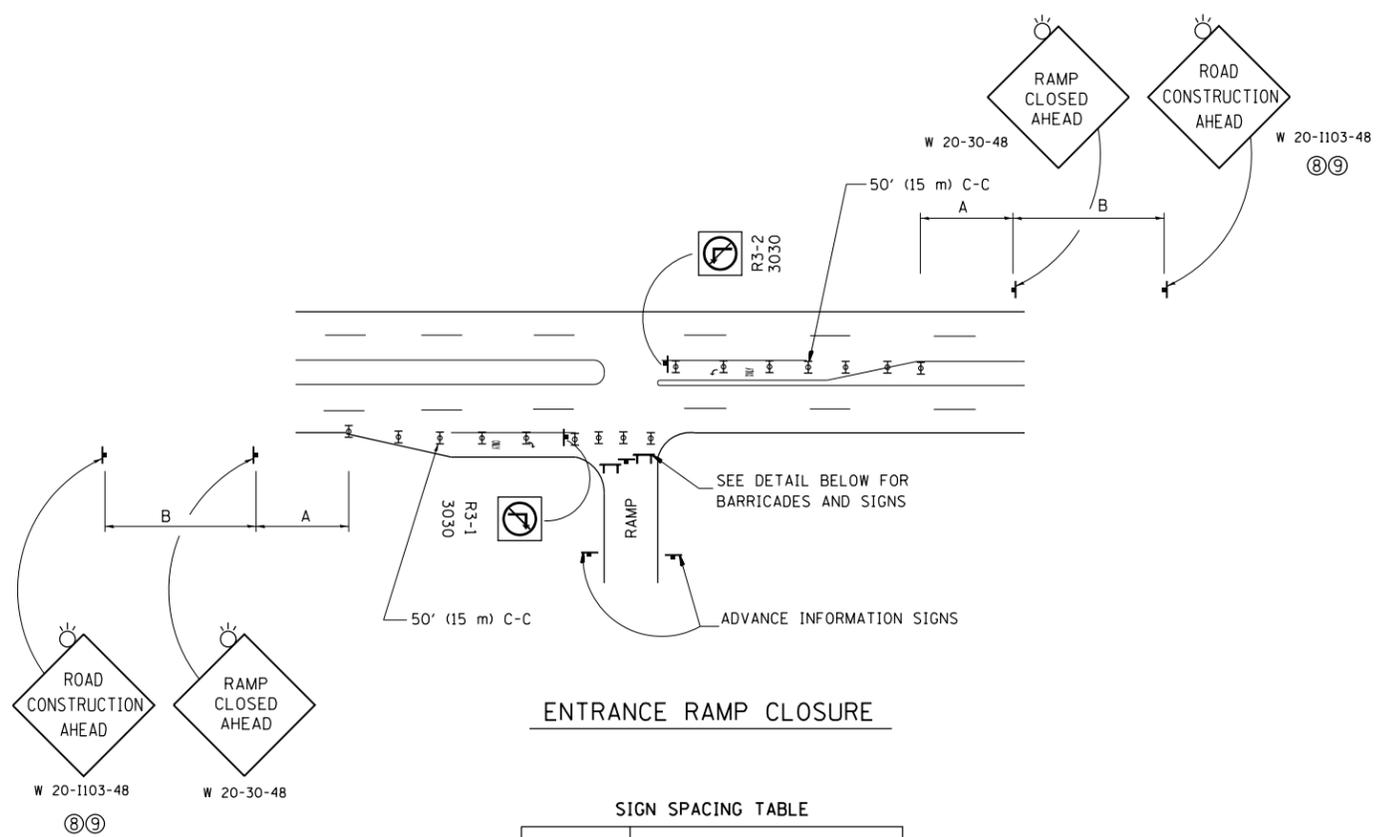
BARS a4(E) & a5(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	9	#5	28'-3"	C
a2(E)	9	#5	23'-0"	C
a3(E)	6	#5	25'-7"	C
a4(E)	3	#5	33'-5"	O
a5(E)	3	#5	17'-9"	O
h(E)	45	#5	12'-6"	—
Spiral	24	#5	1'-6"	⌘
Reinforcement Bars, Epoxy Coated		Pound	1860	

**

**Length = Estimated height of spiral.

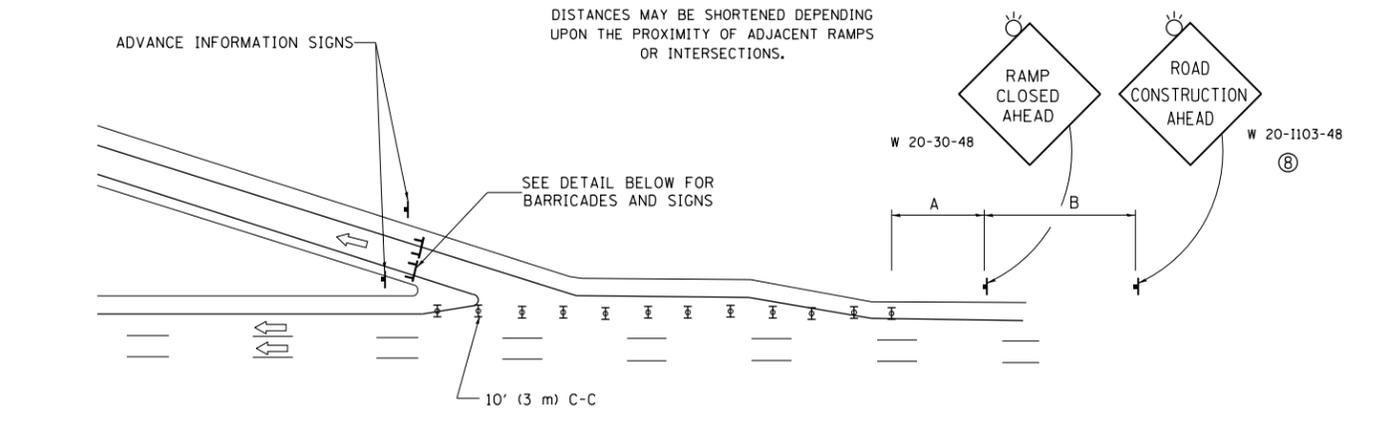


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

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

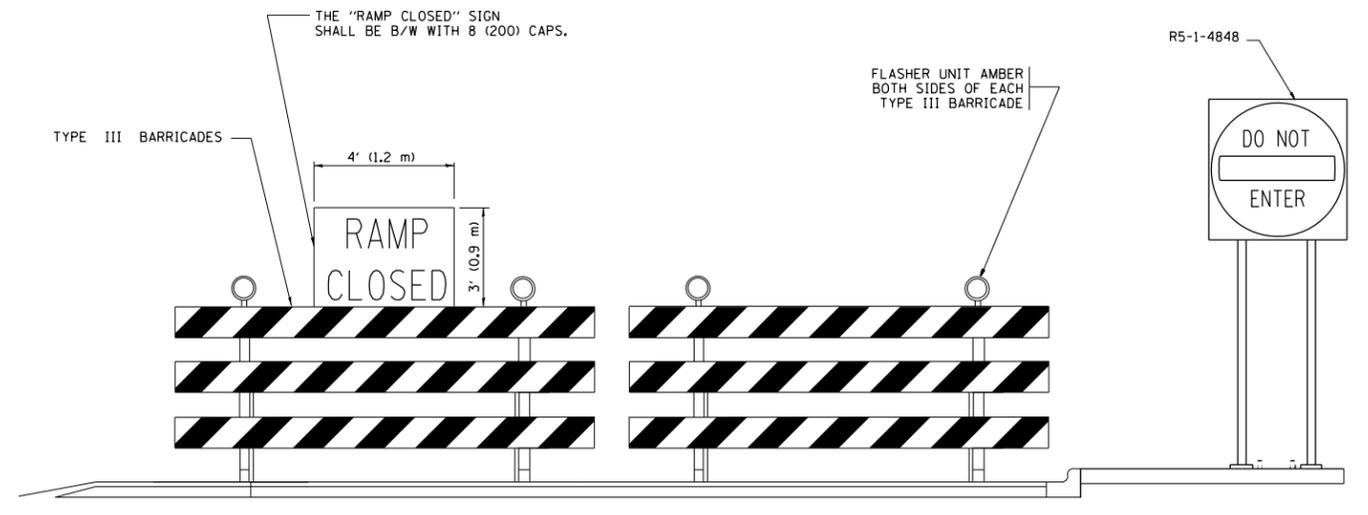
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



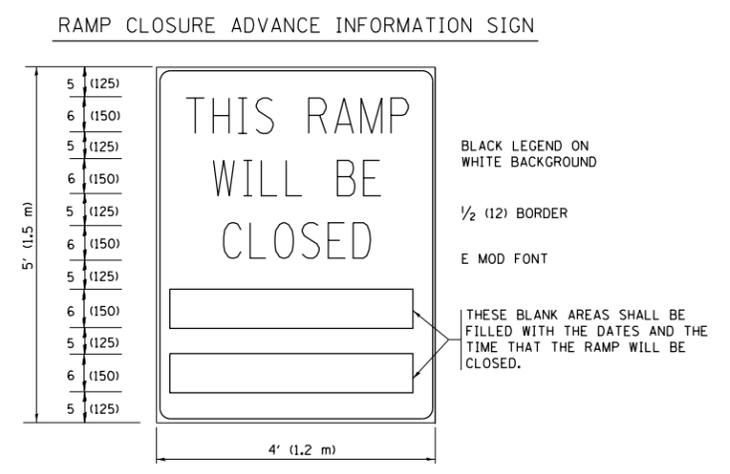
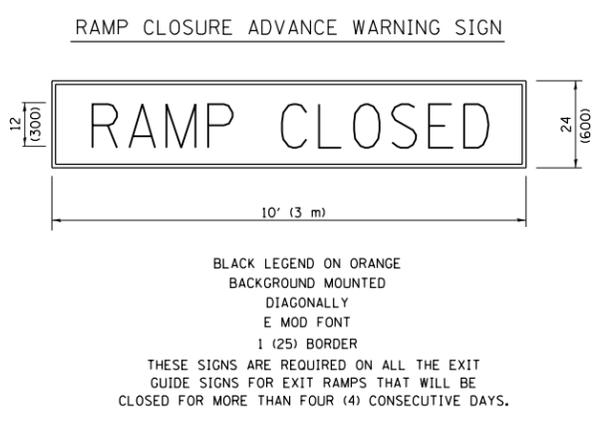
EXIT RAMP CLOSURE

SYMBOLS

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



DETAIL FOR REQUIRED BARRICADES & SIGNS



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

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	PLOT DATE = 2/20/2019		REVISED - M.D. 01-18

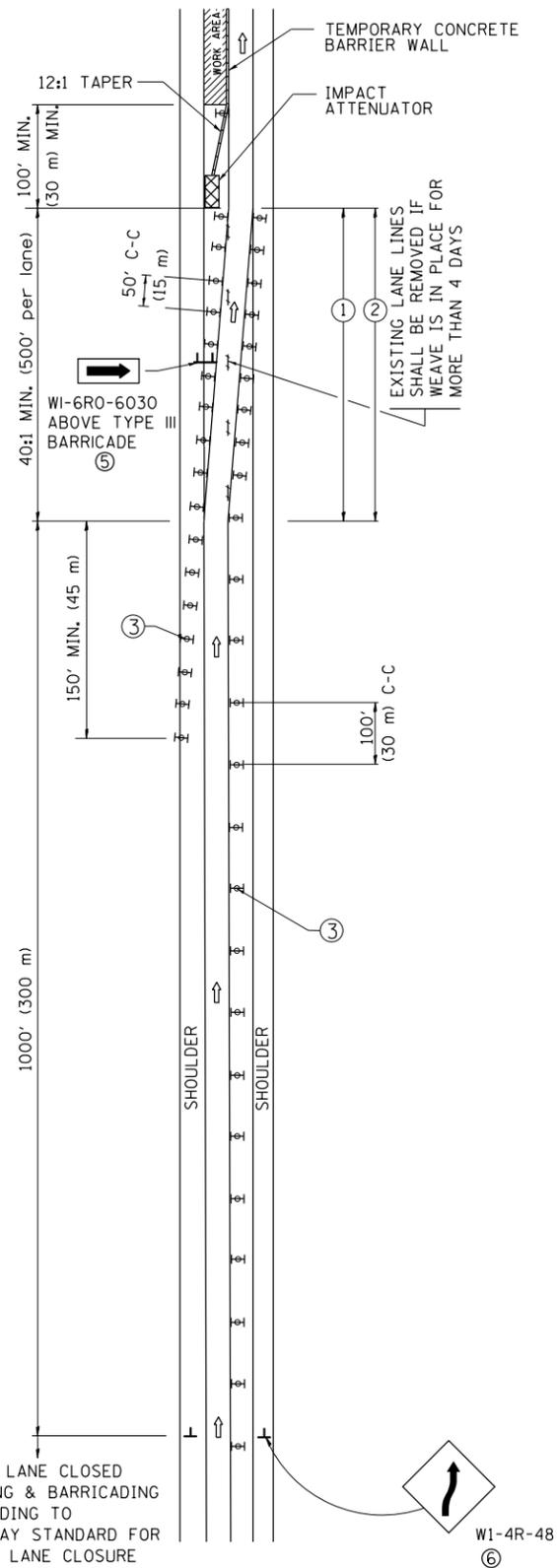
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

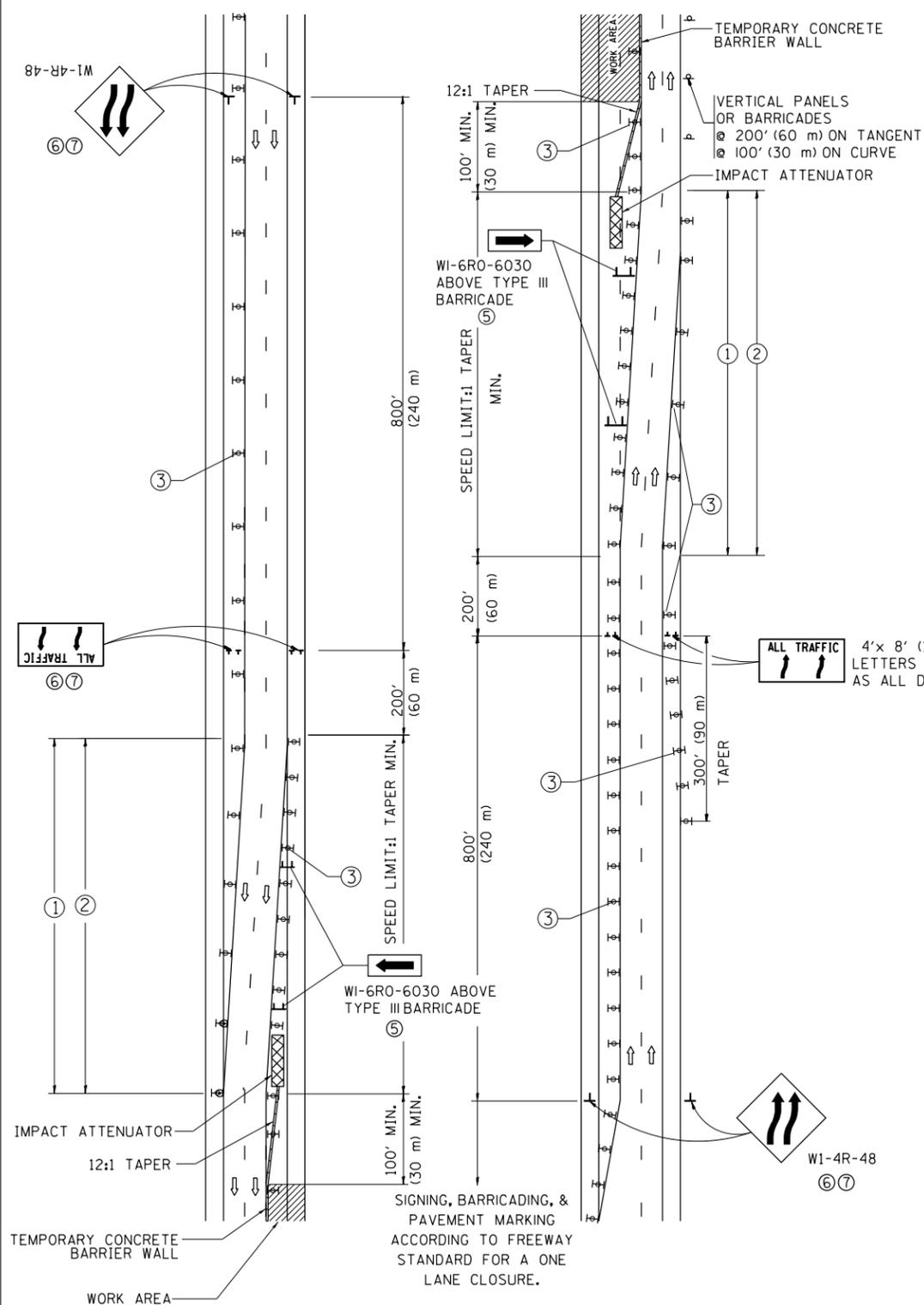
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2018-112-1	WILL	13	8A
TC-08			CONTRACT NO. 62H35	
ILLINOIS FED. AID PROJECT				

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

- 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

FILE NAME =	USER NAME = ledezmar	DESIGNED - DWS	REVISED - JAF 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A.I. RTE. 80	SECTION 2018-112-1	COUNTY WILL	TOTAL SHEETS 13	SHEET NO. 8B
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PLOT SCALE = 100.0000' / 1"		DATE - 02-87	REVISED - SPB 12-09		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
PLOT DATE = 2/20/2019			REVISED - MD 06-13		ADDED SHEET 2-22-19							