

06-15-2018 LETTING ITEM 032

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

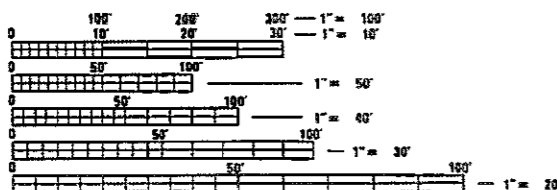
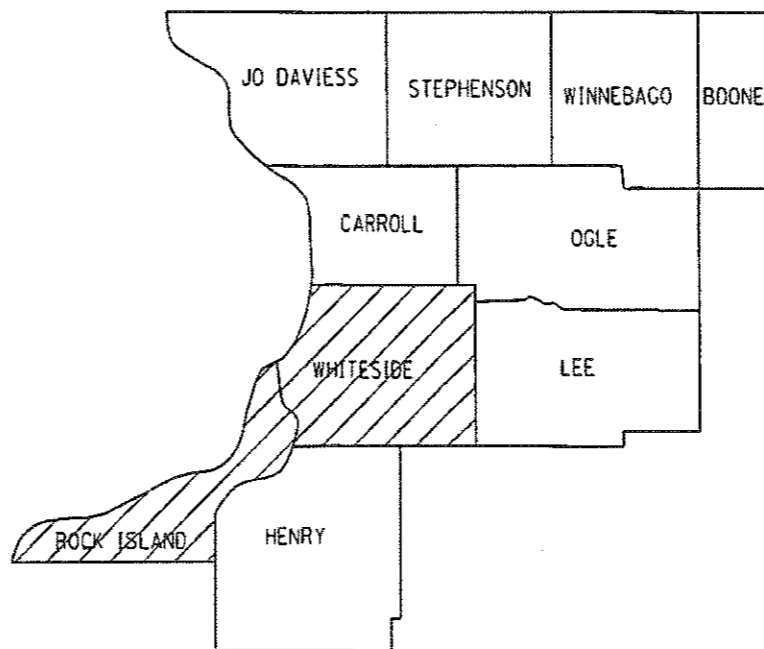
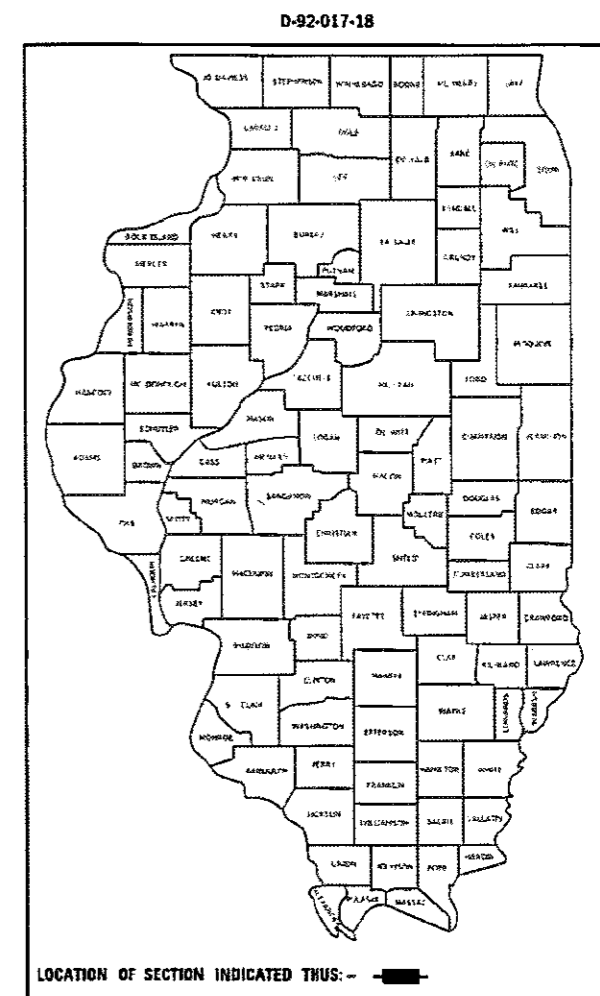
F.A. NTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D2 BC 2018-7	VARIOUS	7	1
		ILLINOIS	CONTRACT NO. 64M72	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR STATE STANDARDS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION: D2 BC 2018-7
PROJECT: STP-087J(534)
TYPE of IMPROVEMENT: BRIDGE WASHING
ROCK ISLAND & WHITESIDE COUNTIES

C-92-021-18



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: DAVID DOSS (815) 284-5416
PROJECT MANAGER: MAHMOUD ETEMADI (815) 284-5393

CONTRACT NO. 64M72

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 13, 2018

[Signature]
REGIONAL ENGINEER

May 11, 2018
cc [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 11, 2018
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS & STATE STANDARDS
- 3 SUMMARY OF QUANTITIES
- 4 SCHEDULE OF QUANTITIES
- 5 LOCATION MAP ROCK ISLAND COUNTY
- 6 LOCATION MAP WHITESIDE COUNTY
- 7 DISTRICT STANDARD 35.1

STATE STANDARDS

- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15'(4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15'(4.5m) TO 24"(600mm) FROM PAVEMENT EDGE
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS = 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701400-09 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701406-11 LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
- 701411-09 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS \geq 45 MPH
- 701421-08 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS \geq 45 TO 55 MPH
- 701606-10 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-07 TRAFFIC CONTROL DEVICES
- 720011-01 METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

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 FILE NAME: D:\1\1084818\INTELL\Illinois.gov\PW\DOT\Documents\DOT - Offices\DOT\District 2\Projects\Operations\Bridges\Section\Bridges\Washing\Contract\2018\64M72_Bridge_Washing_Rock_Island_Bridges\B_structures\1\CADD\64M72-31b-cover.dgn

USER NAME = dssdd PLOT SCALE = 100.0000' / in. PLOT DATE = Mar-13-2018 09:10:29 AM	DESIGNED - _____ DRAWN - _____ CHECKED - _____ DATE - _____	REVISED - _____ REVISED - _____ REVISED - _____ REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & STATE STANDARDS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">F.A. RTE.</td> <td style="font-size: small;">SECTION</td> <td style="font-size: small;">COUNTY</td> <td style="font-size: small;">TOTAL SHEETS</td> <td style="font-size: small;">SHEET NO.</td> </tr> <tr> <td style="font-size: x-small;">VAR.</td> <td style="font-size: x-small;">DZ BC 2018-7</td> <td style="font-size: x-small;">VARIOUS</td> <td style="font-size: x-small;">7</td> <td style="font-size: x-small;">2</td> </tr> <tr> <td colspan="5" style="font-size: x-small; text-align: right;">CONTRACT NO. 64M72</td> </tr> <tr> <td colspan="5" style="font-size: x-small; text-align: right;">ILLINOIS FED. AID PROJECT</td> </tr> </table>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	VAR.	DZ BC 2018-7	VARIOUS	7	2	CONTRACT NO. 64M72					ILLINOIS FED. AID PROJECT				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																					
VAR.	DZ BC 2018-7	VARIOUS	7	2																					
CONTRACT NO. 64M72																									
ILLINOIS FED. AID PROJECT																									
			SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____																				

SUMMARY OF QUANTITIES

Paycode	Description	Units	Quantity		Total
			Bridge 0047	Bridge 0047	
			STP-Urban 80% Federal 20% State	STP-Rural 80% Federal 20% State	
			Rock Island County	Whiteside County	
59200101	BRIDGE WASHING NO. 1	EACH	1		1
59200102	BRIDGE WASHING NO. 2	EACH	1		1
59200103	BRIDGE WASHING NO. 3	EACH	1		1
59200104	BRIDGE WASHING NO. 4	EACH	1		1
59200105	BRIDGE WASHING NO. 5	EACH		1	1
59200106	BRIDGE WASHING NO. 6	EACH		1	1
59200107	BRIDGE WASHING NO. 7	EACH		1	1
59200108	BRIDGE WASHING NO. 8	EACH		1	1
67100100	MOBILIZATION	L SUM	0.50	0.50	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1		1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	3	2	5
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM		1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	0.50	0.50	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	0.50	0.50	1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	0.50	0.50	1

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 FILE NAME: s:\110814\EBID\NTES_illinois.gov\p\BID\Documents\DOT_Offices\District 2\Projects\Operations\bridge_section\bridge_washing_contract\2018\64M72 Bridge Washing Rock River Bridges (8 structures)\CA0046472-311-cover.dgn

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SCHEDULE OF QUANTITIES

Pay Item	Project Location	SN	Facility Carried	Feature Crossed	Bridge Location	Traffic Control
BRIDGE WASHING NO. 1	1	081-0153	Milan Beltway	Rock River	South of Rock Island	701421 701411
BRIDGE WASHING NO. 2	2	081-0047	27TH ST-Moline	Rock River	South Edge of Moline	701606 DIST STD 35.1
BRIDGE WASHING NO. 3	3	081-0067	IL 92 SB (CENT FRWY)	Rock River Hennepin Canal	0.5 MI S 31ST ST R.I.	701400 701406 701411
BRIDGE WASHING NO. 4		081-0068	IL 92 NB (CENT FRWY)	Rock River Hennepin Canal	0.5 MI S 31ST ST R.I.	701400 701406 701411
BRIDGE WASHING NO. 5	4	098-0034	US RT 30	Rock River	1 Mi East of JCT IL 2, 1.5 Mi West of Rock Falls	701201
BRIDGE WASHING NO. 6	5	098-0079	I-88 EB	Rock River	1 Mi East of IL 2, 3 Mi West of Rock Falls	701400 701406 701411
BRIDGE WASHING NO. 7		098-0080	I-88 WB	Rock River	1 Mi East of IL 2, 3 Mi West of Rock Falls	701400 701406 701411
BRIDGE WASHING NO. 8	6	098-0115	IL 40	Rock River	Between Sterling and Rock Falls	701606 DIST STD 35.1

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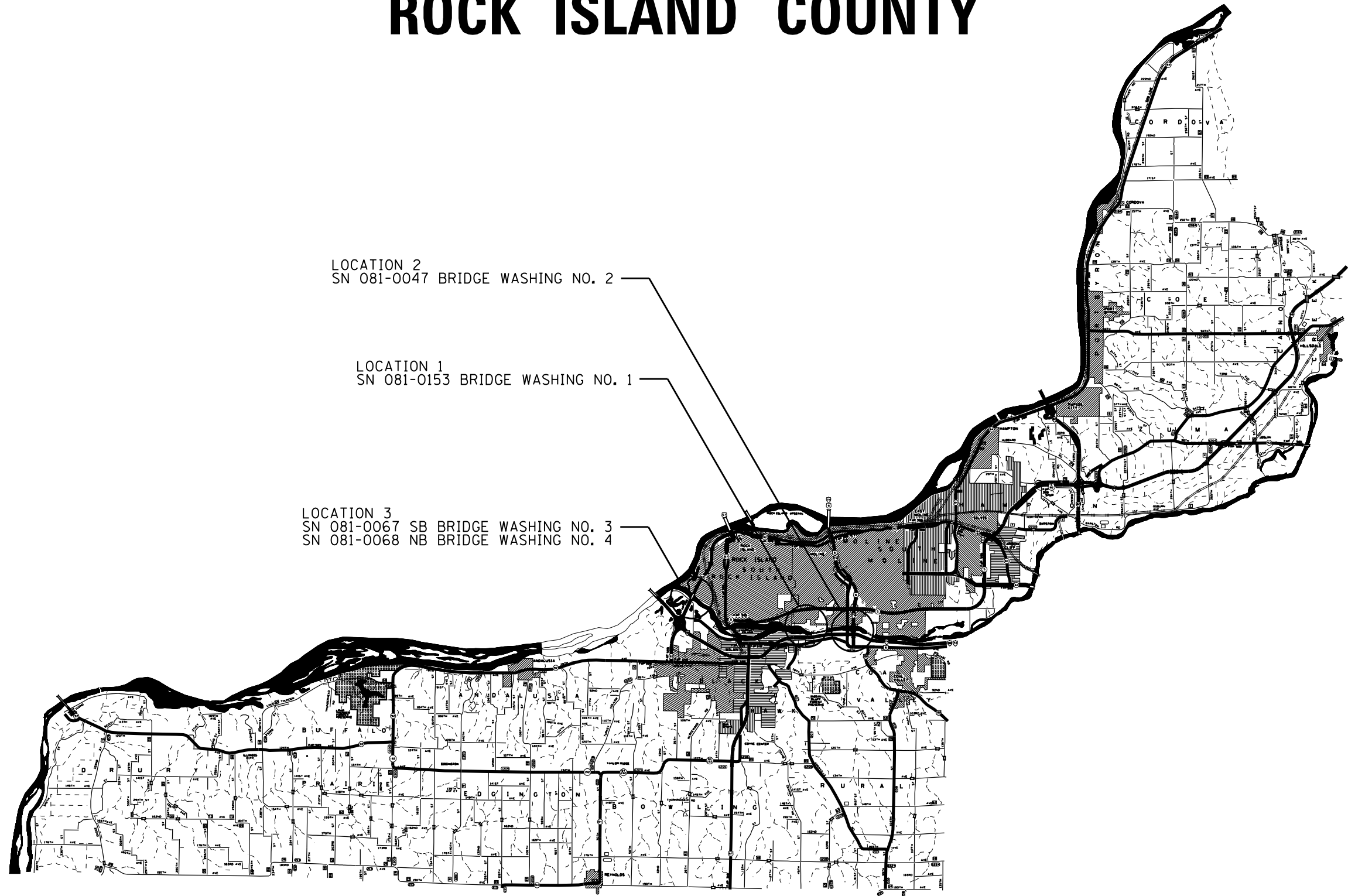
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D2 BC 2018-7	VARIOUS	7	4
			CONTRACT NO. 64M72	
		ILLINOIS FED. AID PROJECT		

ROCK ISLAND COUNTY



LOCATION 2
SN 081-0047 BRIDGE WASHING NO. 2

LOCATION 1
SN 081-0153 BRIDGE WASHING NO. 1

LOCATION 3
SN 081-0067 SB BRIDGE WASHING NO. 3
SN 081-0068 NB BRIDGE WASHING NO. 4

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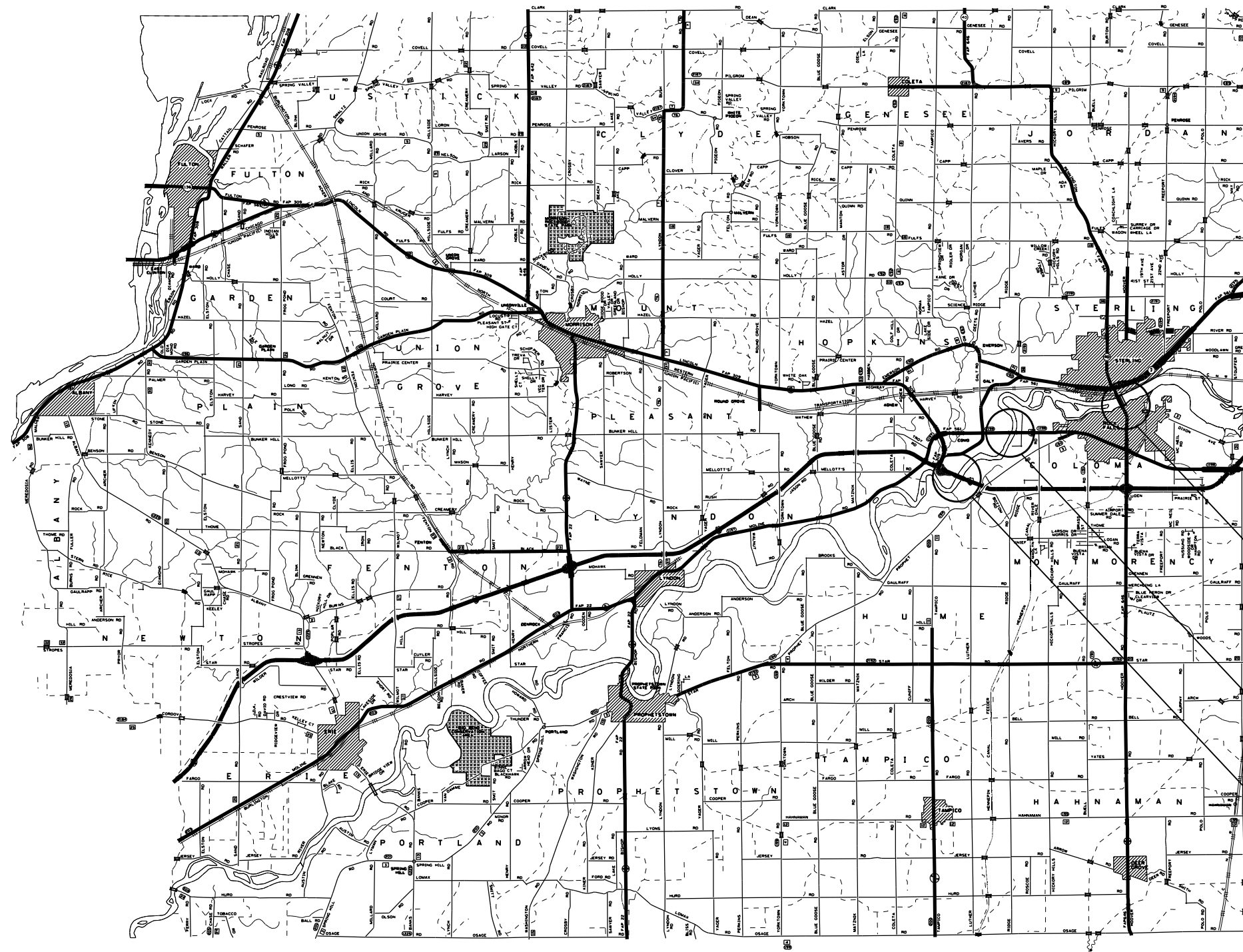
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCK ISLAND COUNTY
LOCATION MAP

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D2 BC 2018-7	VARIOUS	7	5
			CONTRACT NO. 64M72	
		ILLINOIS	FED. AID PROJECT	

WHITESIDE COUNTY



LOCATION 6
SN 098-0115
BRIDGE WASHING NO. 8

LOCATION 4
SN 098-0034
BRIDGE WASHING NO. 5

LOCATION 5
SN 098-0079
BRIDGE WASHING NO. 6
SN 098-0080
BRIDGE WASHING NO. 7

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

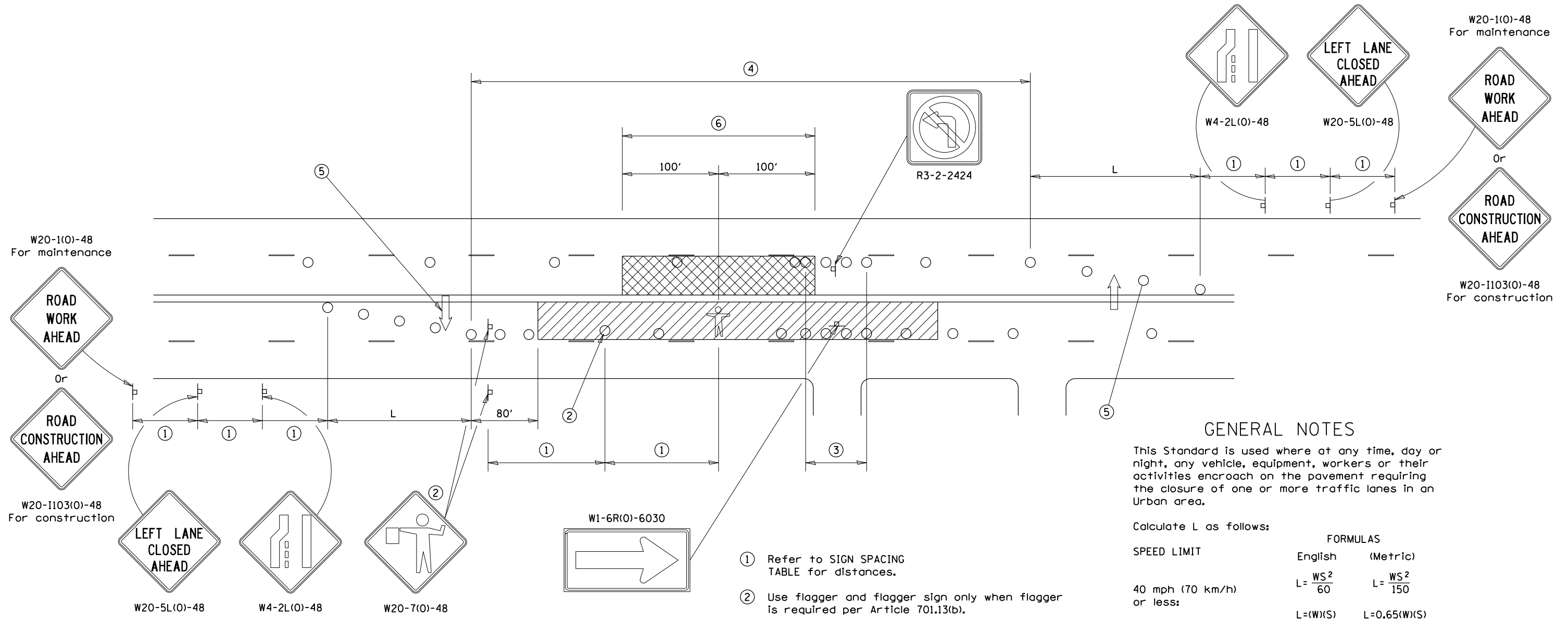
WHITESIDE COUNTY
LOCATION MAP

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D2 BC 2018-7	VARIOUS	7	6
			CONTRACT NO. 64M72	
ILLINOIS FED. AID PROJECT				

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URBAN LANE INSIDE CLOSURE, MULTILANE, 2-WAY, WITH MOUNTABLE MEDIAN



GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one or more traffic lanes in an Urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L = (W)(S)$	$L = 0.65(W)(S)$

W = Width of offset in feet (meters),
 S = Normal posted speed mph (km/h).

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

Lane closures in the opposite direction shall be removed when no workers are present.

Cones or reflectorized cones shall not be used during hours of darkness.

This Traffic Control detail shall be included in the cost of Traffic Control and Protection Standard 701606.

SYMBOLS

- WORK AREA
- CLOSED LANE
- ARROW BOARD
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- CONE, DRUM OR BARRICADE
- FLAGGER WITH TRAFFIC CONTROL SIGN.
- WORKER ON FOOT

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

- ① Refer to SIGN SPACING TABLE for distances.
- ② Use flagger and flagger sign only when flagger is required per Article 701.13(b).
- ③ Devices at 10' centers from edge of radius return to edge of radius return when left turns are prohibited due to actively working in the intersection.
- ④ Cones at 20' (6 m) centers for 250' (75 m). Additional cones may be placed at 40' (12 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled (excluding devices in intersections).
- ⑤ Cones, drums or barricades at 20' (6 m) centers in taper.
- ⑥ No equipment, materials, vehicles, or other hazards are allowed in the closed lane in the opposite direction within 100' of a worker on foot.