

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAU ROUTE 5571 (AVENUE "G")
SECTION (B) BDR
PROJECT STP-A5L5(295)
TYPE of IMPROVEMENT: BRIDGE REPAIR
SN 098-0051 OVER THE
NORTH BRANCH OF THE ROCK RIVER
WHITESIDE COUNTY

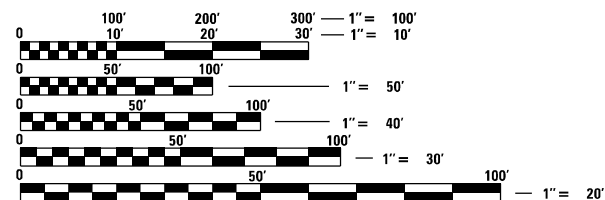
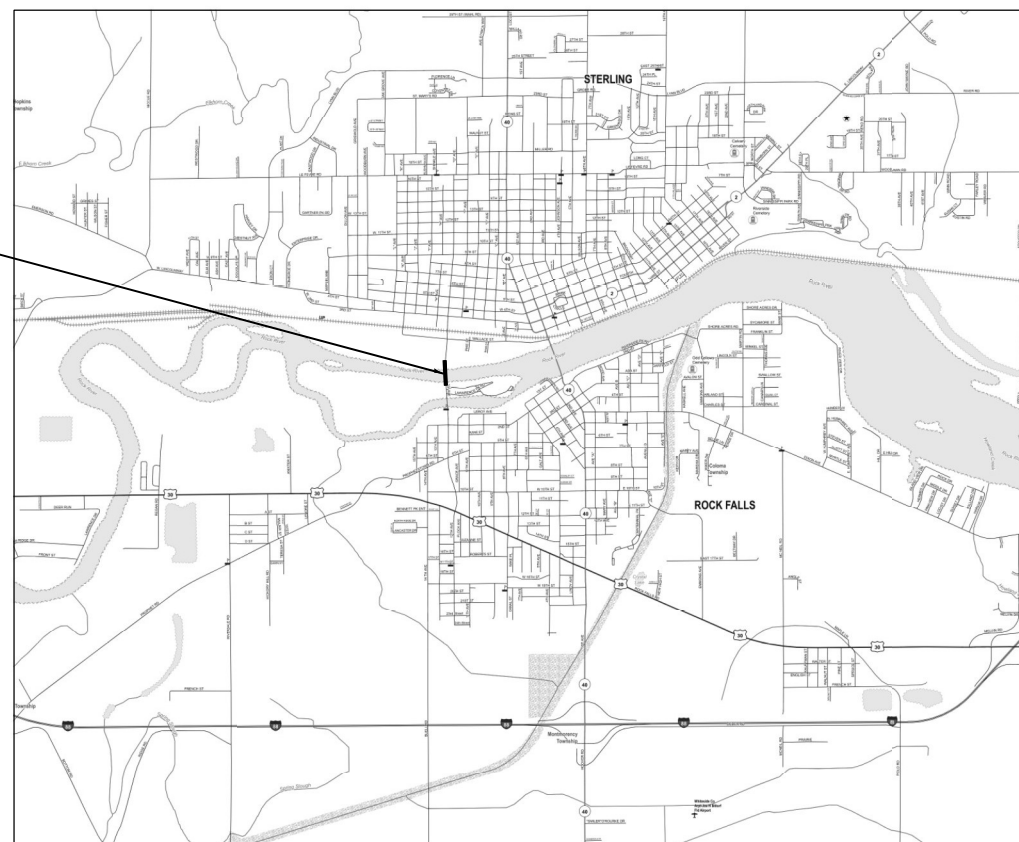
C-92-039-22

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B) BDR	WHITESIDE	12	1
		ILLINOIS	CONTRACT NO. 64R43	

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

STERLING & COLOMA TOWNSHIP
T21N R7E, SECTION 28

SN 098-0051



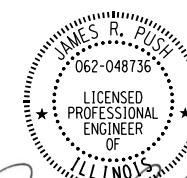
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

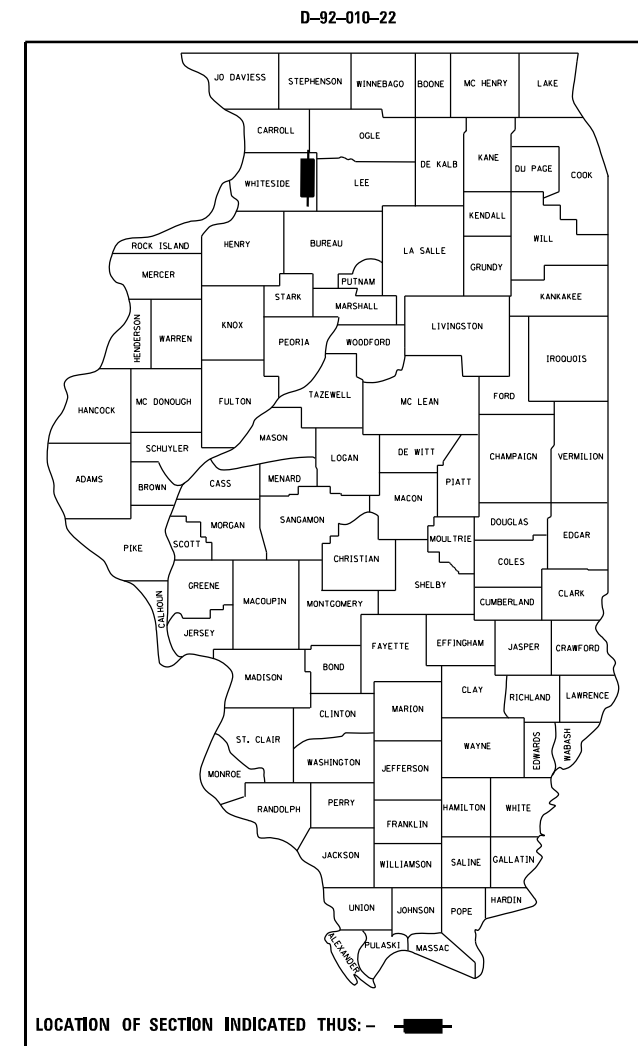
PROJECT ENGINEER: JAMES R. PUSH, PE (630) 930-6420
PROJECT MANAGER: MAHMOUD ETEMADI (815) 284-5393

CONTRACT NO. 64R43

GROSS LENGTH = 706.15 FT. = 0.134 MILE
NET LENGTH = 706.15 FT. = 0.134 MILE



James R. Push
JAMES R. PUSH, P.E.
LICENSE NO.: 062-048736
EXPIRES: NOVEMBER 30, 2023
DATE: 12/06/2021



QUANDEL
CONSULTANTS
161 NORTH CLARK STREET
SUITE 2975
CHICAGO, IL 60601
312-634-6201
DESIGN FIRM - PROF/STRUCT ENGINEER
IL LIC. 184.005283-0006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED December 06, 20 21
David Harold
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
February 4, 20 22
Stephen M. Smith
ENGINEER OF DESIGN AND ENVIRONMENT
February 4, 20 22
Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
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- 5 GENERAL PLAN & ELEVATION SN 098-0051
- 6 DECK REPAIR PLAN SN 098-0051
- 7 DECK CROSS SECTION
- 8 - 11 TRAFFIC CONTROL FOR TRANSITION AREAS (DISTRICT STD 38.1)
- 12 TRAFFIC CONTROL FOR ROAD CLOSURE (DISTRICT STD 40.1)

GENERAL NOTES

ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.

NO STREAM PERMITS HAVE BEEN PROCURED FOR THIS PROJECT. NONE ARE REQUIRED FROM THE REGULATORY AGENCIES IF THERE IS NO DEBRIS FALLING OR BEING PLACED INTO THE STREAM. ANY TEMPORARY FILL IN THE STREAM OR THE COMPROMISING OF THE DIKE (IF APPLICABLE) WILL NOT BE ALLOWED. IF THE CONTRACTOR CHOOSES TO USE ALTERNATE/MODIFIED CONSTRUCTION METHOD(S), THEY WILL BE RESPONSIBLE FOR OBTAINING THE PROPER PERMITS. NO RELIEF OR COMPENSATION WILL BE GIVEN FOR ANY DELAYS, WORKING DAYS CHARGED OR CALENDAR DAYS EXPIRED DUE TO THE LOSS OF TIME OR DELAY DURING THE RE-SUBMITTAL PROCESS TO PROCURE THE NECESSARY PERMIT(S) DUE TO THE CONTRACTOR CHOOSING ALTERNATE/MODIFIED CONSTRUCTION METHOD(S). ABSOLUTELY NO CONSTRUCTION ACTIVITIES WILL TAKE PLACE WITHOUT THE PROPER PERMITS BEING SECURED.

PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:

- ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
- ALL ARROWS SHALL BE THE LARGE SIZE.
- THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
- CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.

STATE STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24"(600 MM) FROM PAVEMENT EDGE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)

FILENAME = C:\Users\jpushh\Box\Consult\Projects\2112_IDOT_D2_Var-Var_Bridge\400-Work\Work_Order_2\410-CADD\Z64R43-SHT-GenNotes.dgn



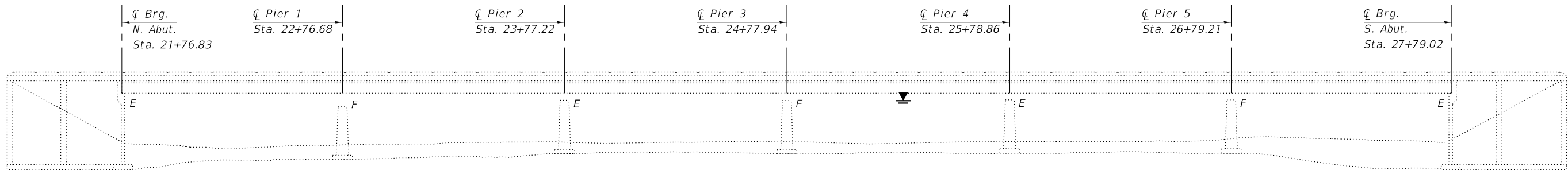
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PLOT DATE = 12/1/2021	DATE - 12/01/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

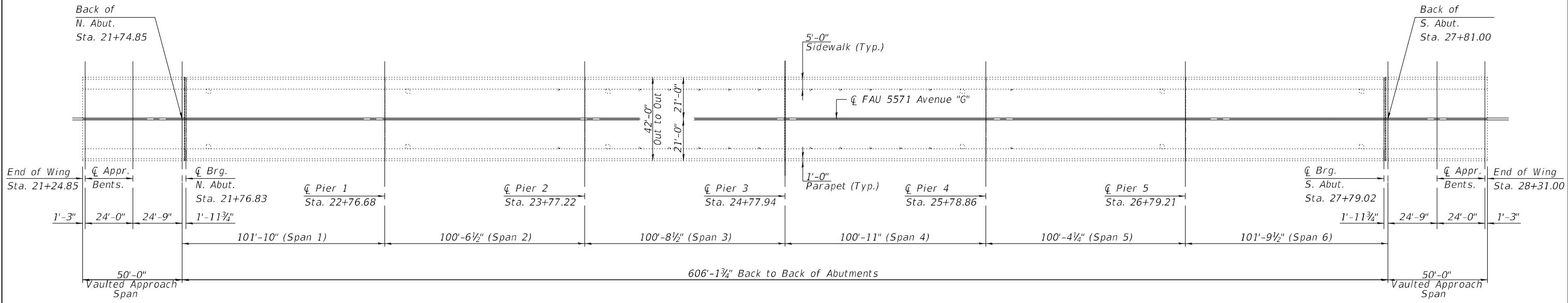
INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B) BDR	WHITESIDE	12	2
CONTRACT NO. 64R43				
ILLINOIS FED. AID PROJECT				



ELEVATION



PLAN

GENERAL NOTES

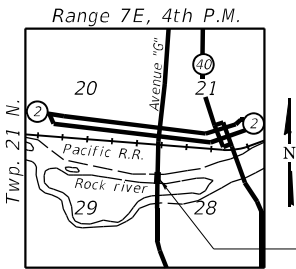
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall 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.

INDEX OF SHEETS

- S1 - General Plan & Elevation
- S2 - Deck Repair Plan
- S3 - Bridge Cross Section

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Bridge Deck Scarification, 3/8"	Sq. Yd.	2,353
Bridge Deck Thin Polymer Overlay, 3/8"	Sq. Yd.	2,353
Deck Slab Repair (Partial)	Sq. Yd.	101



LOCATION SKETCH



12/06/2021
 JEFFREY P. BUCHOLC, S.E.
 LICENSE NO.: 081-005605
 EXPIRES: NOVEMBER 30, 2022

BRIDGE DECK POLYMER OVERLAY
AVENUE "G" OVER NORTH BRANCH OF ROCK RIVER
F.A.U. RTE 5571 - B (BDR)
WHITESIDE COUNTY
STATION 24+77.94
STRUCTURE NO. 098-0051

MODEL: 0980051-64R43-001
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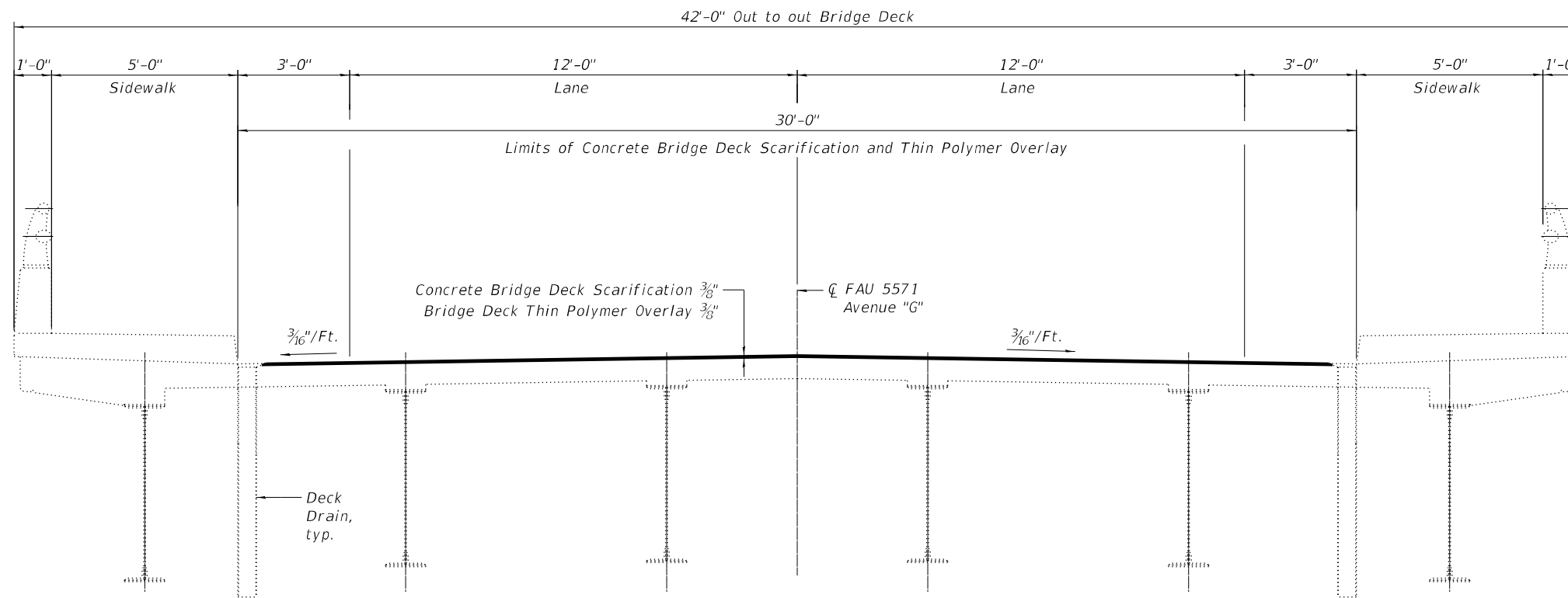
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	CHECKED - SMJ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

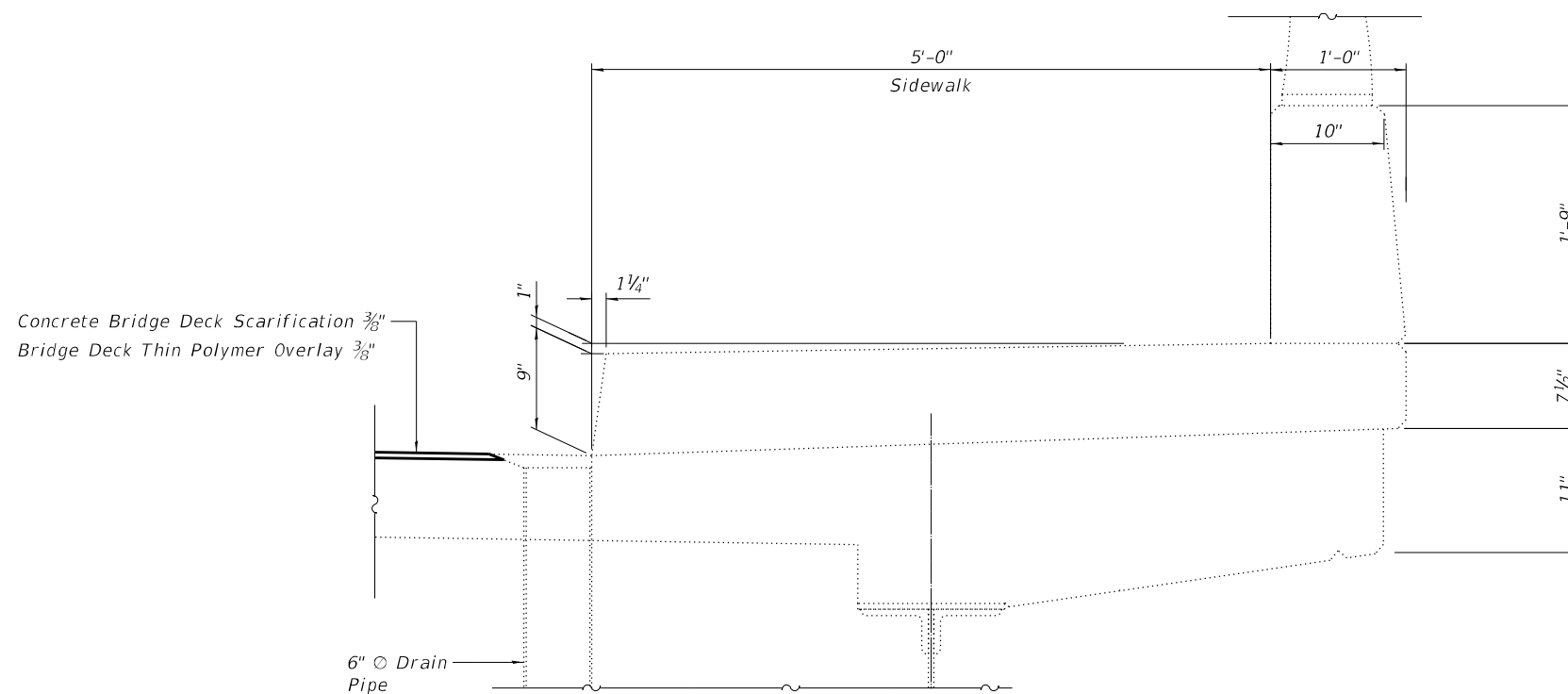
GENERAL PLAN AND ELEVATION
SN 098-0051

SHEET 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	B (BDR)	WHITESIDE	12	5
CONTRACT NO. 64R43				



DECK CROSS SECTION



ENLARGED DETAIL

(Showing sidewalk and parapet at drainpipes)

CROSS SECTION
AVENUE "G" OVER NORTH BRANCH OF ROCK RIVER
F.A.U. RTE 5571 - B (BDR)
WHITESIDE COUNTY
STATION 24+77.94
STRUCTURE NO. 098-0051

MODEL: 0980051-64R42-003
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CHECKED - JPB	REVISED -	
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PLOT DATE =	CHECKED - DYS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK CROSS SECTION

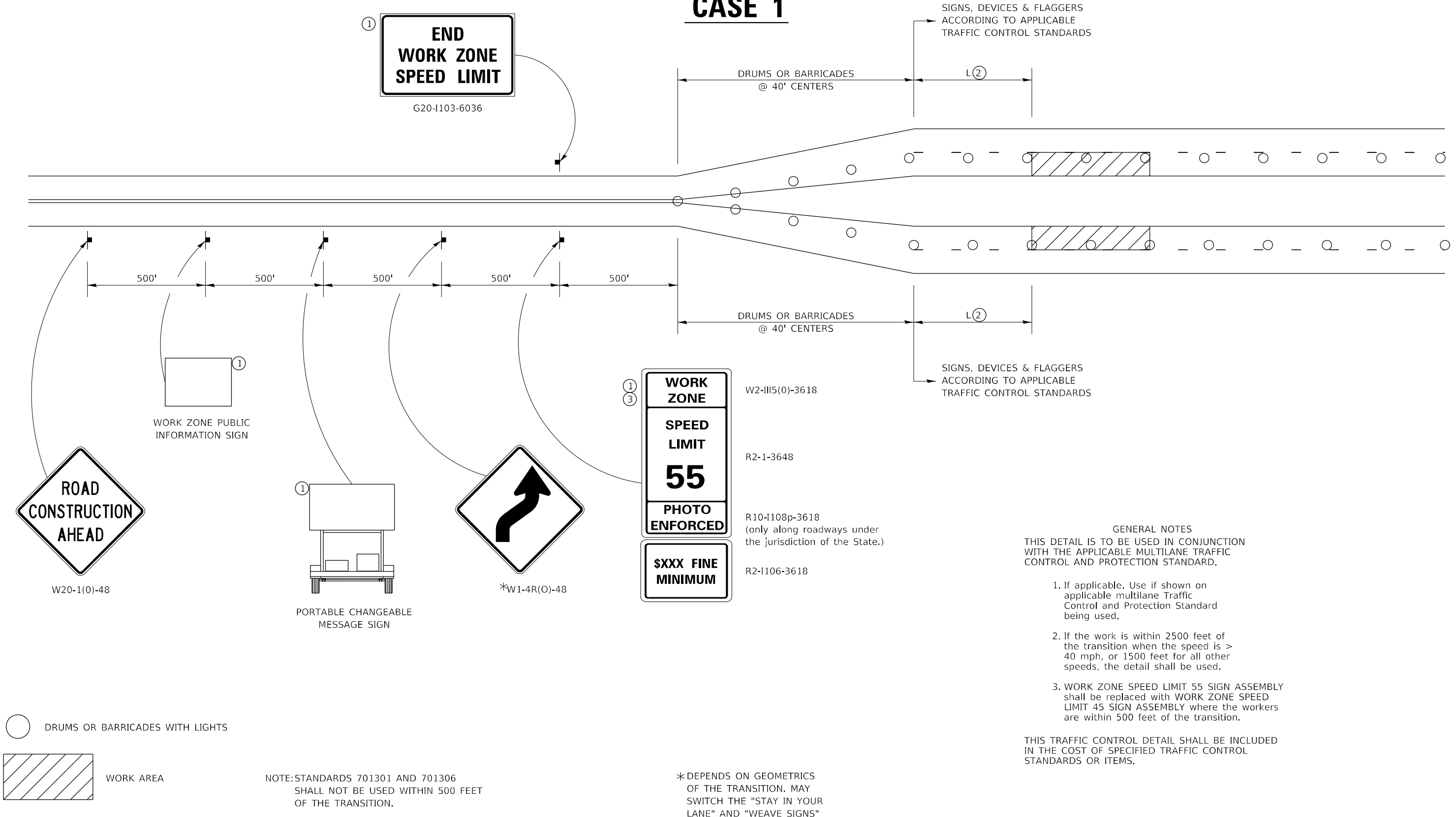
SHEET 3 OF 3 SHEETS

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5571	B (BDR)	WHITESIDE	12	7
CONTRACT NO. 64R43				

ILLINOIS FED. AID PROJECT

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 1



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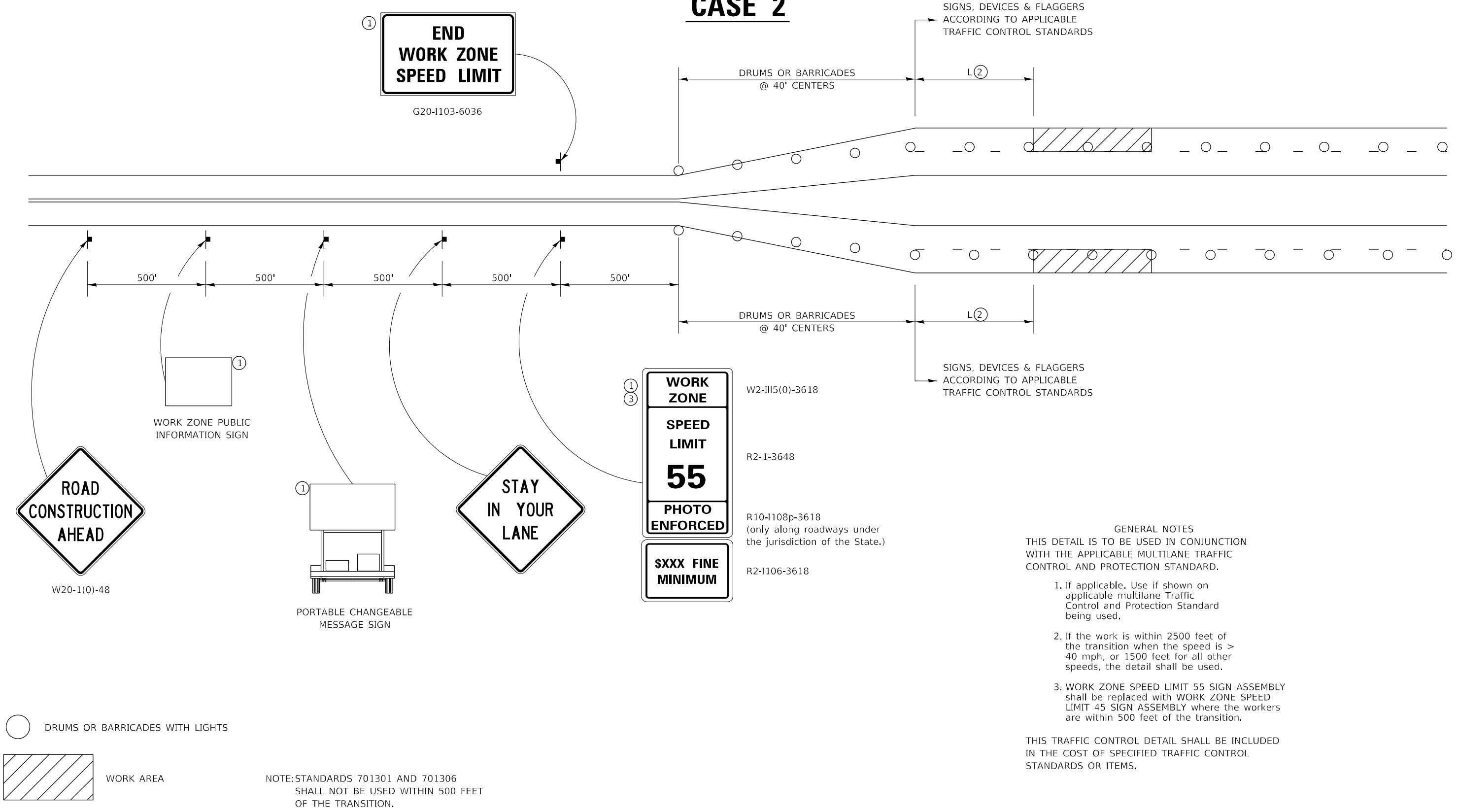
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD			
SCALE:	SHEET 1 OF 4 SHEETS	STA.	TO STA.

F.A.U. RTE. 5571	SECTION (B) BDR	COUNTY WHITESIDE	TOTAL SHEETS 12	SHEET NO. 8
CONTRACT NO. 64R43				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 2

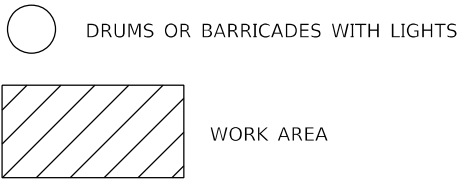


GENERAL NOTES
 THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

1. If applicable, Use if shown on applicable multilane Traffic Control and Protection Standard being used.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 SIGN ASSEMBLY shall be replaced with WORK ZONE SPEED LIMIT 45 SIGN ASSEMBLY where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

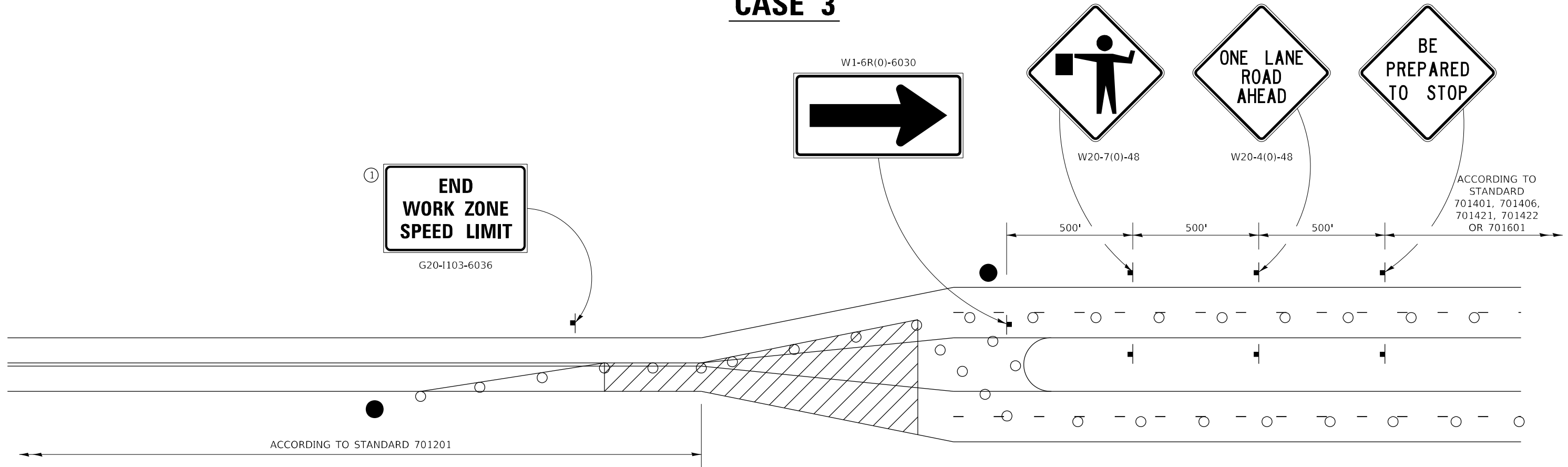





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	PLOT DATE = 12/1/2021	DATE -	REVISED - 1-16-13		ILLINOIS FED. AID PROJECT CONTRACT NO. 64R43					

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 3



-  FLAGGER WITH TRAFFIC CONTROL SIGN
-  DRUMS OR BARRICADES WITH LIGHTS
-  WORK AREA

NOTE: STANDARDS 701301 AND 701306
SHALL NOT BE USED WITHIN 500 FEET
OF THE TRANSITION.

GENERAL NOTES
THIS DETAIL IS TO BE USED IN CONJUNCTION
WITH THE APPLICABLE MULTILANE TRAFFIC
CONTROL AND PROTECTION STANDARD.

1. If applicable, Use if shown on applicable multilane Traffic Control and Protection Standard being used.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 SIGN ASSEMBLY shall be replaced with WORK ZONE SPEED LIMIT 45 SIGN ASSEMBLY where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

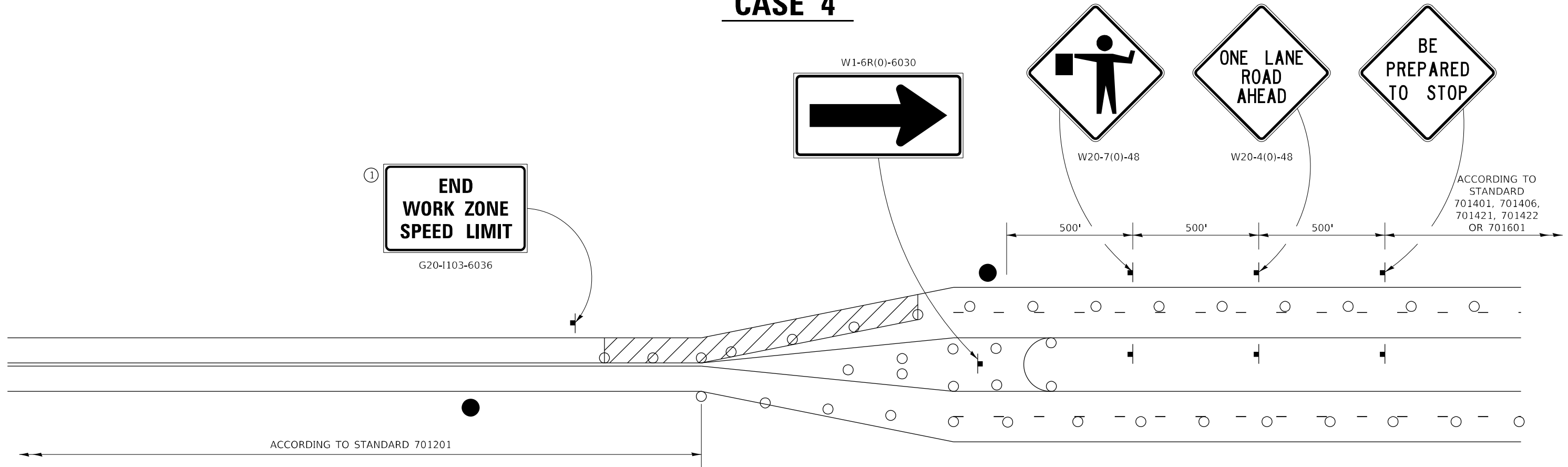
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B) BDR	WHITESIDE	12	10
CONTRACT NO. 64R43				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL FOR TRANSITION AREAS


CASE 4



GENERAL NOTES
 THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

1. If applicable. Use if shown on applicable multilane Traffic Control and Protection Standard being used.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 SIGN ASSEMBLY shall be replaced with WORK ZONE SPEED LIMIT 45 SIGN ASSEMBLY where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

- FLAGGER WITH TRAFFIC CONTROL SIGN
- DRUMS OR BARRICADES WITH LIGHTS
-  WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

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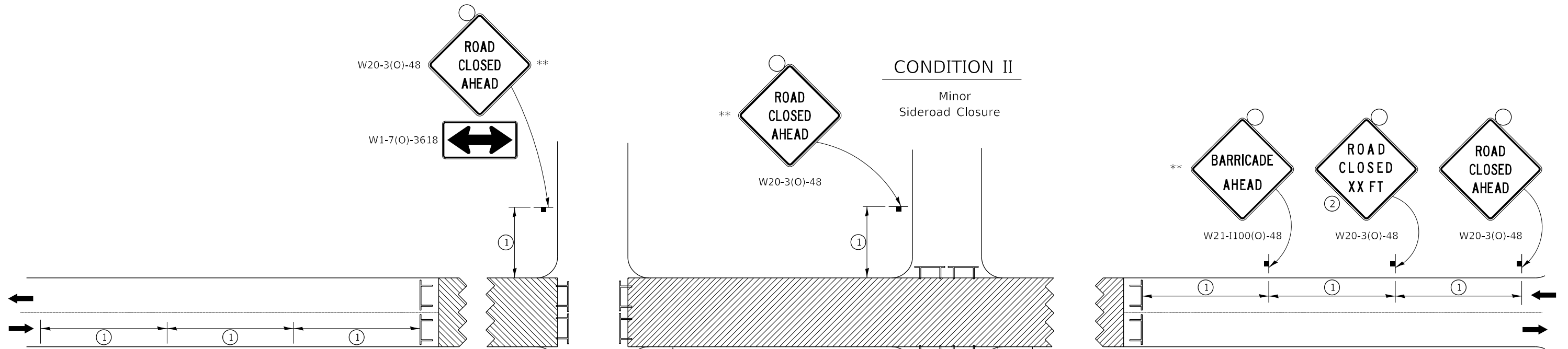
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD




SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B) BDR	WHITESIDE	12	11
CONTRACT NO. 64R43				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL FOR ROAD CLOSURE



SYMBOLS

-  Work area
-  Type III Barricade with Flashers
-  Sign with flashing light

GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

** Where local access is to be maintained, barricades are to be set up as shown in "Road Closed to Thru Traffic". Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

All dimensions are in inches unless otherwise shown.

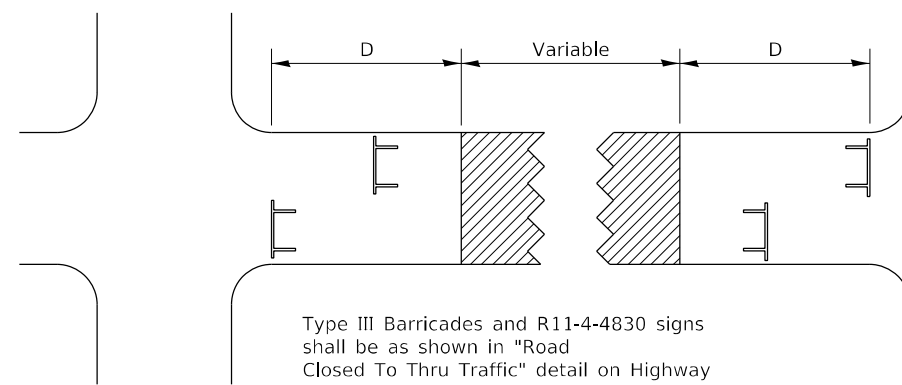
①

SIGN SPACING TABLE	
Posted Speed	Sign Spacing
45 MPH and above	500'
Below 45 MPH	250'

②

SIGN LEGEND	
Posted Speed Limit	Distance
45 MPH and above	1000'
Below 45 MPH	500'

ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 2000' an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

TYPICAL APPLICATION FOR ROAD CLOSURE

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PLOT DATE = 12/1/2021	DATE -	REVISED - 10-17-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B) BDR	WHITESIDE	12	12
			CONTRACT NO. 64R43	
ILLINOIS FED. AID PROJECT				