

06-14-2019 LETTING ITEM 058

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAU ROUTE 5571 (AVENUE "G")  
SECTION (B-1)BDR  
PROJECT: STP-5M8T(355)  
TYPE OF IMPROVEMENT: BRIDGE REPAIR  
SN 098-0052 OVER THE SOUTH BRANCH OF THE ROCK RIVER  
WHITESIDE COUNTY

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
5571	(B-1)BDR	WHITESIDE	23
ILLINOIS CONTRACT NO. 64N61			NO. 1

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

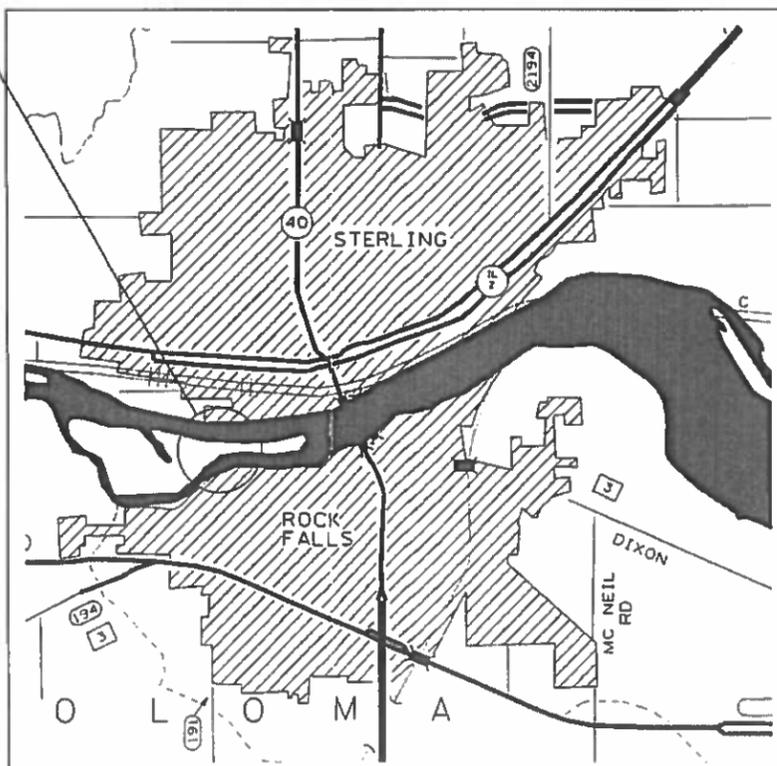
D-52-027-19



C-92-043-19

SN 098-0052

STERLING COLOMA TOWNSHIP, SECTIONS 21,28



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. 64N61

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 3-7-2019 *Mark*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 10 2019 *Paul Etk*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 18 2019 *Paul Etk*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

# INDEX OF SHEETS

# GENERAL NOTES

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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 AS LONG AS 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) FROM THE AFOREMENTIONED, 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 AS A RESULT OF 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.

# STATE STANDARDS

701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE  
 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION  
 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE  
 701901-08 TRAFFIC CONTROL DEVICES  
 720011-01 SIGN PANEL MOUNTING DETAILS  
 728001-01 TELESCOPING STEEL SIGN SUPPORT  
 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

Location and Mixture Uses(s):	Resurfacing			Full Depth Pavement			Shoulders		Protective Layer/LB
	Surface	Level Binder	Binder	Surface	Top Lift Binder	All Other Lifts	Top Lift	All Lower Lifts	
PG:	PG 64-22	-	-	-	-	-	-	-	-
Design Air Voids	4.0 @ N50	-	-	-	-	-	-	-	-
Mixture Composition (Gradation Mixture)	IL 9.5	-	-	-	-	-	-	-	-
Friction Aggregate	C	-	-	-	-	-	-	-	-
20 Year ESAL	0.3	-	-	-	-	-	-	-	-
Mix Unit Weight	112 lbs/sy/in								
Quality Management Program to be Used	QC/QA								
Sublot Tonnage	QC/QA								

# SUMMARY OF QUANTITIES

URBAN

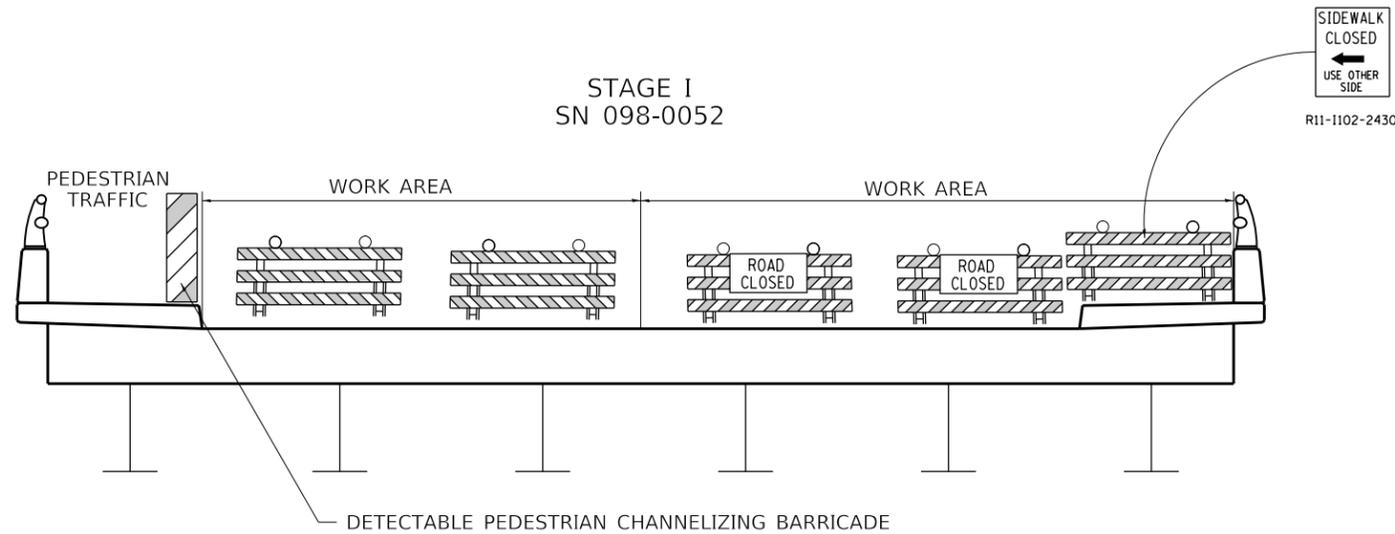
0047  
80% STP 5-200K  
20% STATE

CODE NUMBER	ITEM	UNIT	WHITESIDE COUNTY	TOTAL QUANTITY
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUNDS	10	10
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	200	200
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	16.8	16.8
42001300	PROTECTIVE COAT	SQ YD	1282	1282
50102400	CONCRETE REMOVAL	CU YD	7.8	7.8
50300255	CONCRETE SUPERSTRUCTURE	CU YD	7.8	7.8
50300260	BRIDGE DECK GROOVING	SQ YD	1187	1187
50800205	REINFORCEMENT BARS, EPOXY COATED	LB	1020	1020
52000110	PREFORMED JOINT STRIP SEAL	FOOT	80	80
67100100	MOBILIZATION	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	90	90
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	888	888
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1

\*= SPECIALTY ITEM



# MAINTENANCE OF PEDESTRIAN TRAFFIC DETAILS



## GENERAL NOTES FOR TRAFFIC CONTROL

THE CONTRACTOR SHALL NOT MOUNT CONSTRUCTION TRAFFIC CONTROL SIGNS ON EXISTING SIGNS OR SUPPORTS.

## NARRATIVE FOR PEDESTRIAN TRAFFIC CONTROL STAGES

TWO WEEKS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PLACE CHANGEABLE MESSAGE BOARDS BEYOND THE NORTHERN AND SOUTHERN LIMITS OF THE PROJECT. MESSAGE DISPLAYED ON MESSAGE BOARDS SHALL BE APPROVED BY THE ENGINEER.

**FULL BRIDGE CLOSURE**  
35 WORKING DAYS OF FULL BRIDGE CLOSURE FOR SUBSTRUCTURE REPAIR, EXPANSION JOINT REPLACEMENT AND FINGER JOINT REPLACEMENT AS SHOWN ON PLANS.

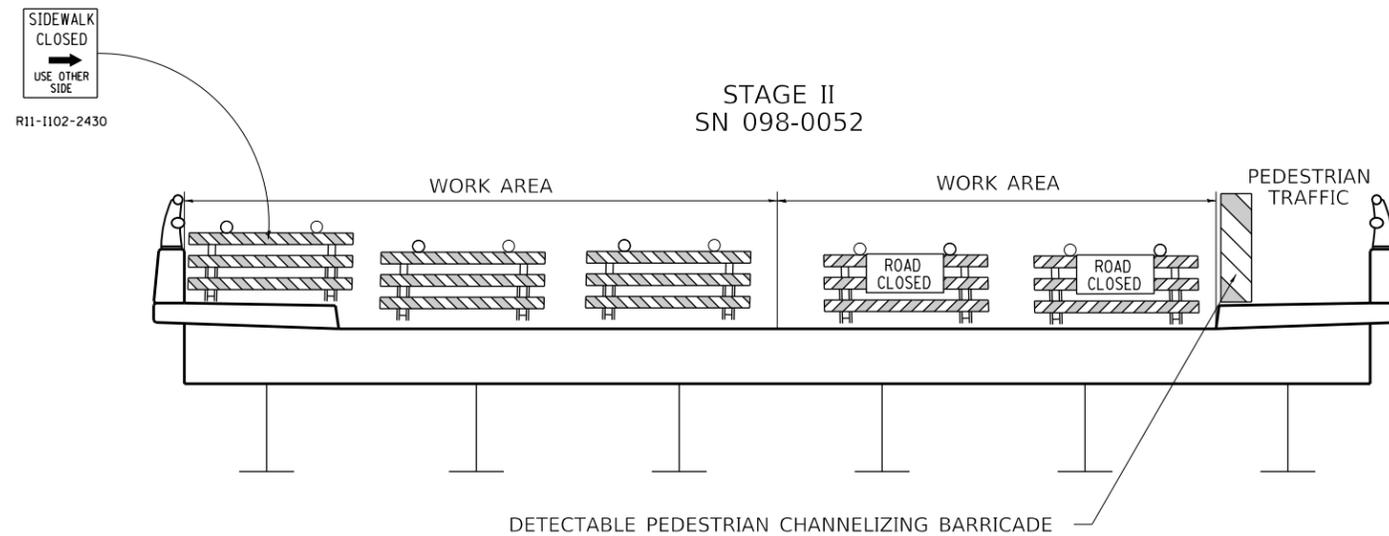
**STAGE I**  
MAINTAIN EXISTING PEDESTRIAN TRAFFIC ON AVENUE "G" USING EXISTING WEST SIDEWALK.

**STAGE II**  
MAINTAIN EXISTING PEDESTRIAN TRAFFIC ON AVENUE "G" USING EXISTING EAST SIDEWALK.

**NOTES:**  
PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES.

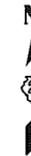
CONTRACTOR SHALL PROVIDE SIGNAGE AND DETECTABLE PEDESTRIAN CHANNELIZING BARRICADES TO FACILITATE AND PROTECT PEDESTRIANS WHEN BRIDGE IS CLOSED TO VEHICULAR TRAFFIC.

THE CONTRACTOR SHALL PROTECT PEDESTRIANS FROM HAZARDS CAUSED BY CONSTRUCTION ACTIVITIES AT ALL TIMES. THIS INCLUDES, BUT IS NOT LIMITED TO, FLYING DEBRIS FROM WORK.



FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF PEDESTRIAN TRAFFIC DETAILS SN 098-0052</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\11\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\Open Bridge-Section\Whiteside\098-0052\REVISED\64N61 098-0052\CADD\0207713-shit-cover.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -			5571	(B-1)BDR	WHITESIDE	25	5
Default	PLOT DATE = Mar-04-2019 01:19:19 PM	DATE -	REVISED -			CONTRACT NO. 64N61		ILLINOIS FED. AID PROJECT		

# ROAD CLOSURE PLAN



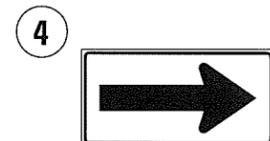
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W20-3(0)-48



W21-1100(0)-48



W1-6R(0)-4824

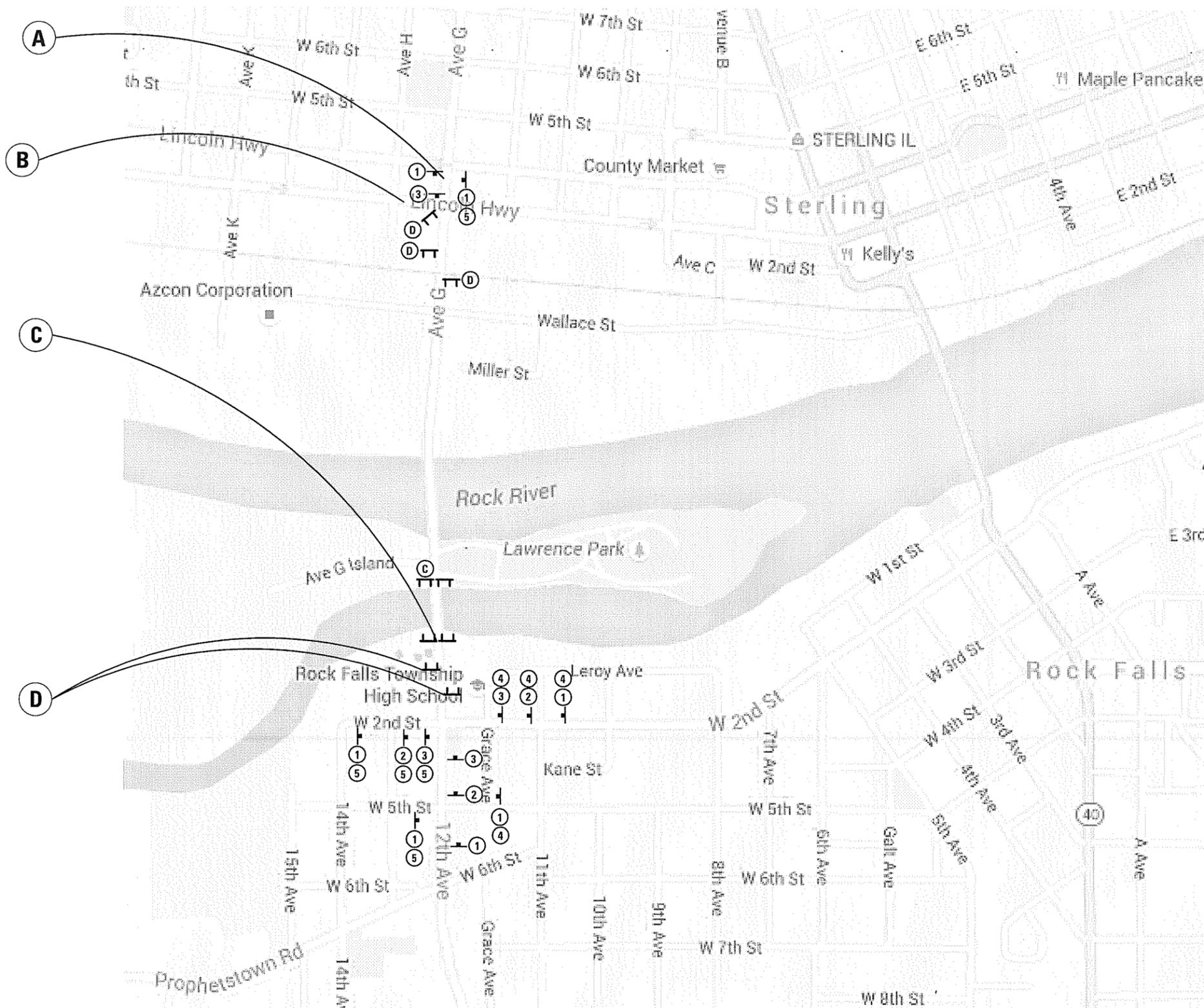


W1-6L(0)-4824

## SYMBOLS



Type III Barricade with Flashers



**A** CLOSE THRU LANE ALONG AVENUE "G" FROM W 4TH ST TO W 3RD ST SIGNING ACCORDING TO TRAFFIC CONTROL FOR TRANSITION AREAS DISTRICT STANDARD 38.1

**B** CLOSE TURN LANE ALONG W 3RD ST PER STANDARD 701701

**C** ROAD CLOSED R11-2 CLOSED AT LAST DRIVEWAY.

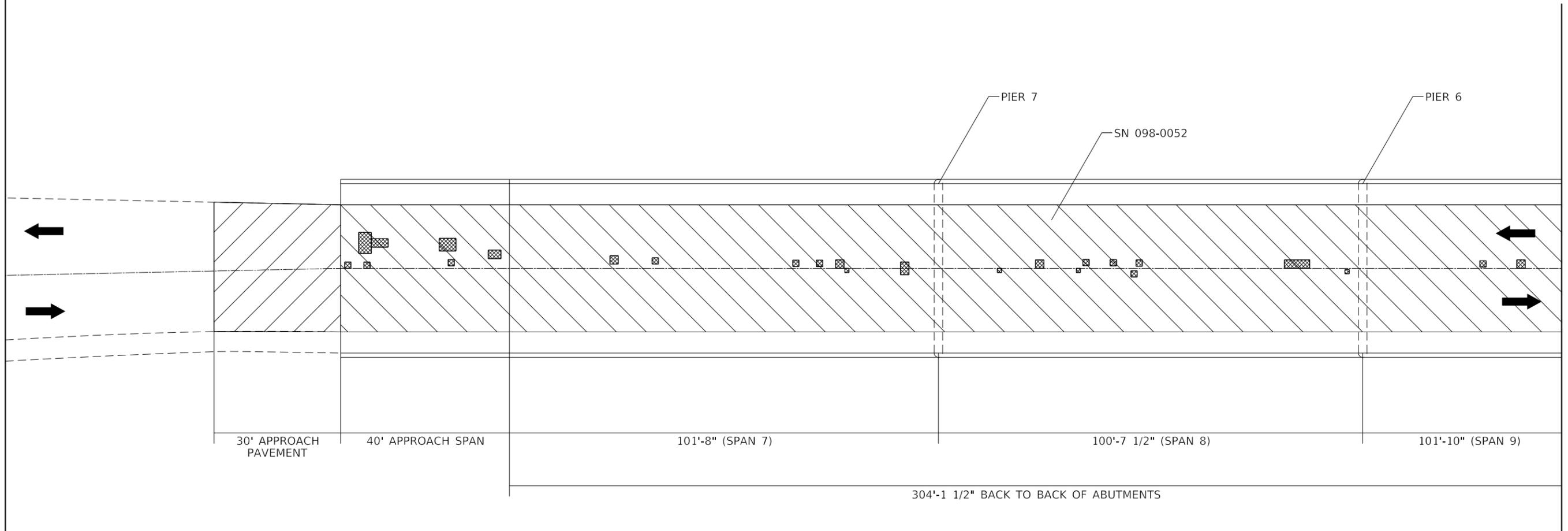
**D** ROAD CLOSED TO THRU TRAFFIC R11-4 ON EACH STAGGERED TYPE III BARRICADE (2). STAGGER BARRICADES IN THE NORTHBOUND LANE ONLY.

FILE NAME =	USER NAME = dosdd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROAD CLOSURE PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\Open\BARRIDGE-Section\Whiteside\098-0051\REVISED\64N61\098-0052\CADD\0207713-sh\cover.dgn		CHECKED -	REVISED -		5571	(B-1)BDR	WHITESIDE	25	6				
Default		DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 64N61		[ILLINOIS] FED. AID PROJECT		

# GENERAL PLAN

## AVENUE "G" OVER SOUTH CHANNEL OF THE ROCK RIVER

### SN 098-0052



**MATCHLINE**

### LEGEND

- BRIDGE DECK SCARIFICATION, 3/4" MICROSILICA BRIDGE DECK OVERLAY
- PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
- AREAS OF DELAMINATION
- TRAFFIC DIRECTION

FILE NAME =	USER NAME = dosddd	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL PLAN AVENUE "G" OVER SOUTH CHANNEL OF THE ROCK RIVER SN 098-0052</b>	F.A.U. RTE. 5571	SECTION (B-1)BDR	COUNTY WHITESIDE	TOTAL SHEETS 25	SHEET NO. 7
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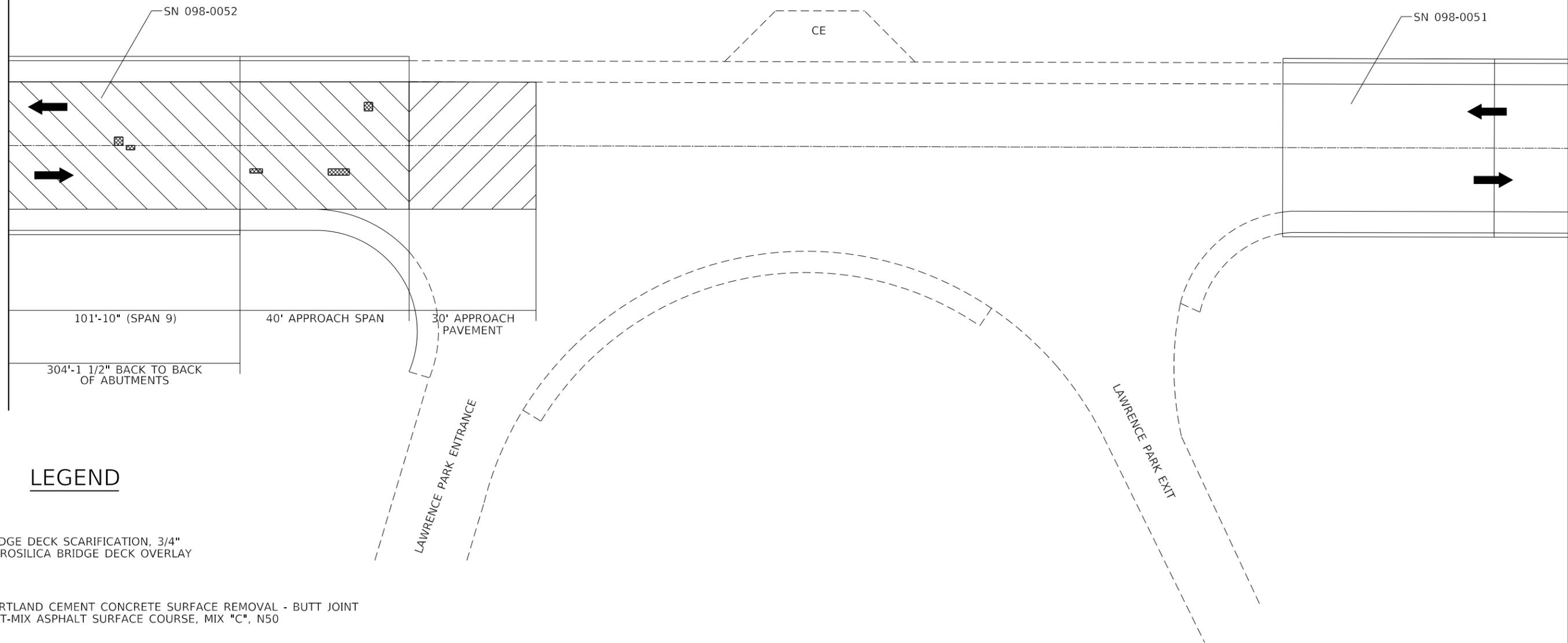


# GENERAL PLAN

## AVENUE "G" OVER SOUTH CHANNEL OF THE ROCK RIVER

### SN 098-0052

**MATCHLINE**

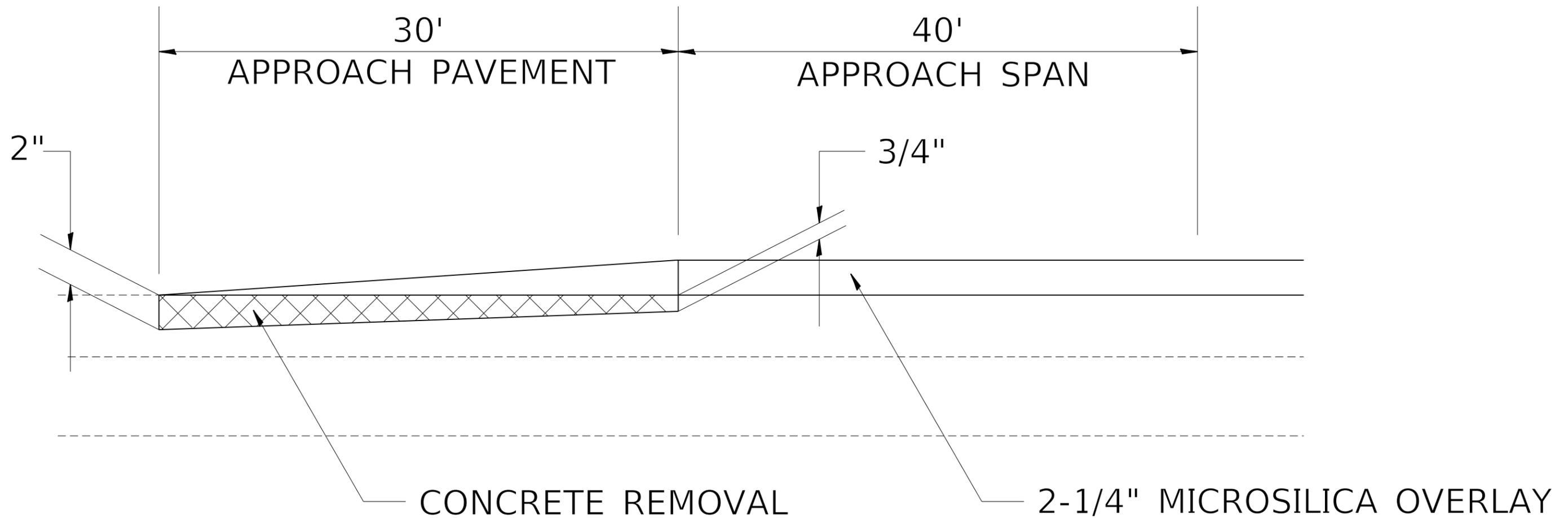


**LEGEND**

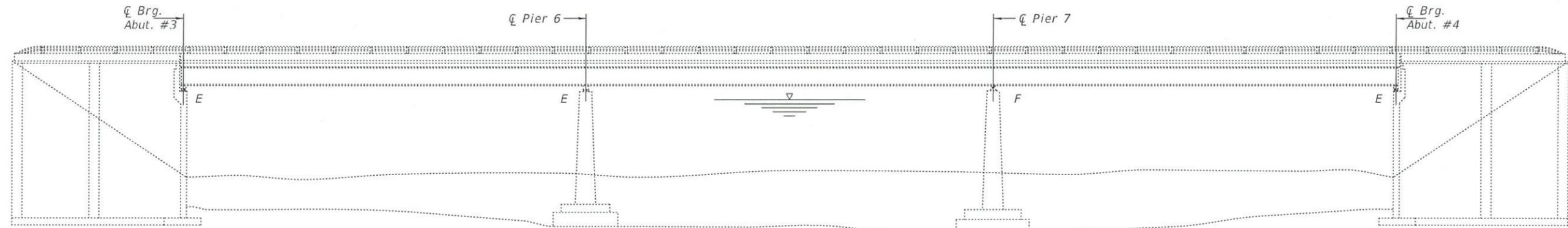
- BRIDGE DECK SCARIFICATION, 3/4" MICROSILICA BRIDGE DECK OVERLAY
- PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
- AREAS OF DELAMINATION
- TRAFFIC DIRECTION

FILE NAME =	USER NAME = dosddd	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL PLAN AVENUE "G" OVER SOUTH CHANNEL OF THE ROCK RIVER SN 098-0052</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\Open Bridge-Section\Whiteside\098-0052	DRWN	REV	CONTRACT NO. 64N61	SN 098-0052	5571	(B-1)BDR	WHITESIDE	25	8
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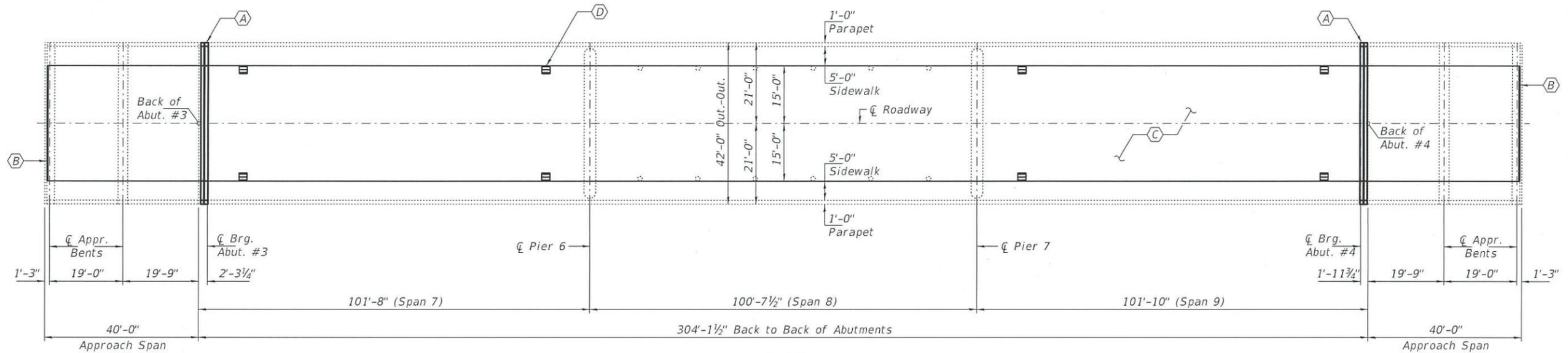
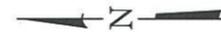
# TYPICAL TAPER FOR APPROACH PAVEMENT SN 098-0052



FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL TAPER FOR APPROACH PAVEMENT SN 098-0052</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\Open Bridge-Section\Whiteside\098-0052\REVISED\64N61 098-0052\CADD\0207713-shit-cover.dgn	DRAWN	098-0052	098-0052			5571	(B-1)BDR	WHITESIDE	25	9
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	PLOT DATE = Mar-04-2019 11:53:43 AM	DATE -	REVISED -	SCALE: _____	SHEET ____ OF ____ SHEETS	STA. _____	TO STA. _____			



ELEVATION



PLAN

- (A) - Remove existing Expansion Joint and install new Preformed Joint Strip Seal.
- (B) - Install Polymer Concrete Nosing. See sheet 2 of 6 for details.
- (C) - Install new 2 1/4" Microsilica Overlay on the existing deck. See sheet 2 of 6 for details.
- (D) - Adjust existing scuppers. See sheet 3 of 6 for details.

GENERAL NOTES

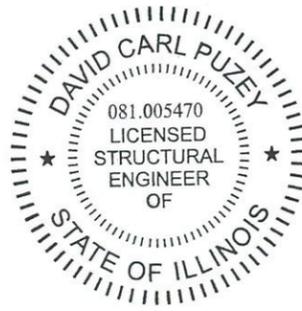
All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.  
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and 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.  
 Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".  
 Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.  
 Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.  
 Synthetic fibers shall be added to the Bridge Deck Concrete Overlay, see Special Provisions.  
 Work to be completed under road closure.  
 Reinforcement bars designated (E) shall be epoxy coated.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	7.8
Concrete Superstructure	Cu. Yd.	7.8
Preformed Joint Strip Seal	Foot	80
Reinforcement Bars, Epoxy Coated	Pound	1020
Bridge Deck Scarification, 3/4"	Sq. Yd.	1262
Microsilica Bridge Deck Overlay	Sq. Yd.	1262
Bridge Deck Grooving	Sq. Yd.	1187
Polymer Concrete	Cu. Ft.	3.3
Drainage Scuppers to be Adjusted	Each	8
Protective Coat	Sq. Yd.	1282

\* Apply to new concrete and overlay only.



EXPIRES 11-30-2020

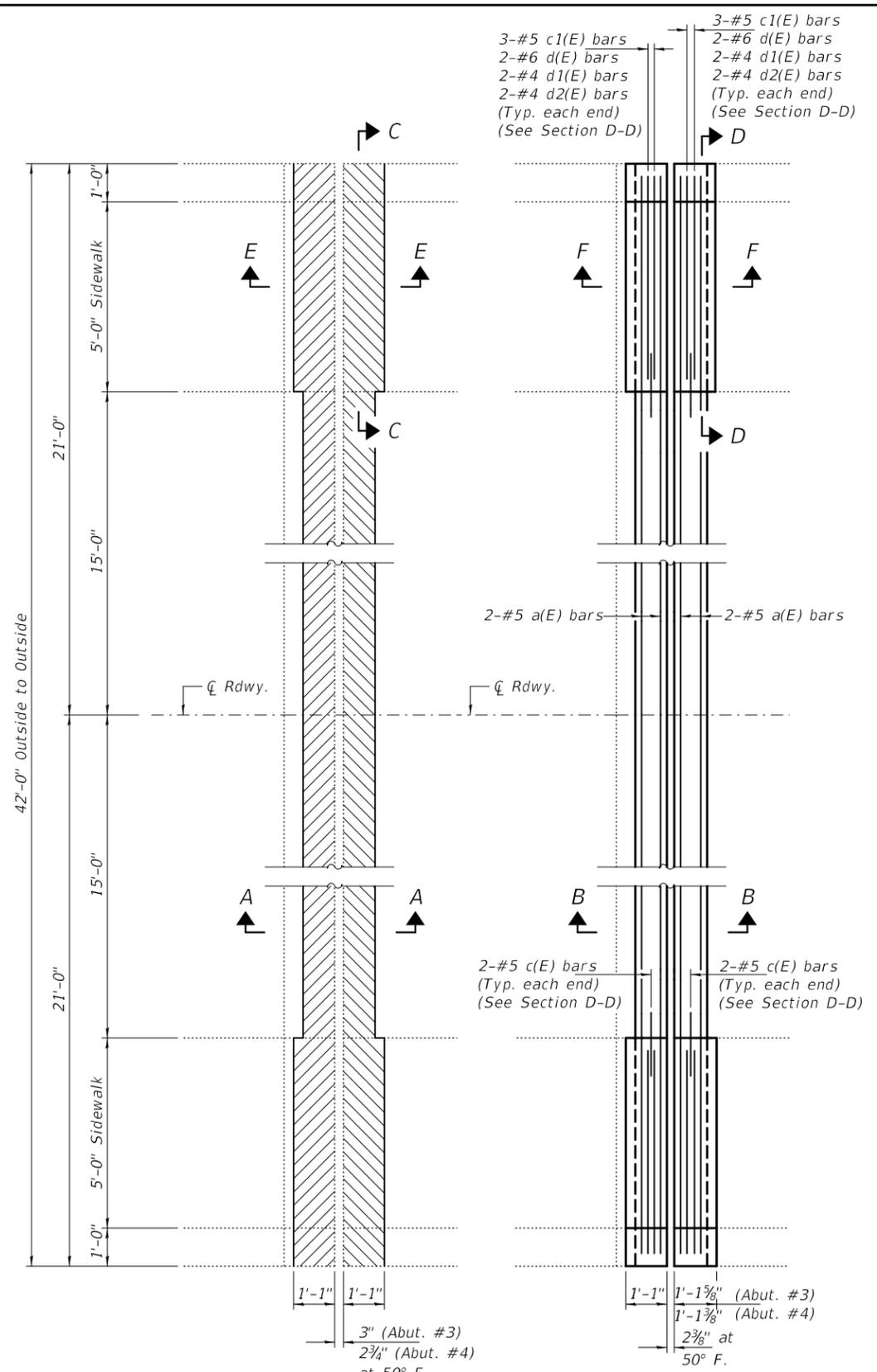
DESIGNED - <i>[Signature]</i>	EXAMINED - <i>[Signature]</i>	DATE - APRIL 26, 2019
CHECKED - <i>[Signature]</i>	PASSED - <i>[Signature]</i>	REVISER -
DRAWN - <i>[Signature]</i>		REVISER -
CHECKED - <i>[Signature]</i>		

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
 AVENUE "G" OVER SOUTH CHANNEL OF THE ROCK RIVER  
 SN 098-0052

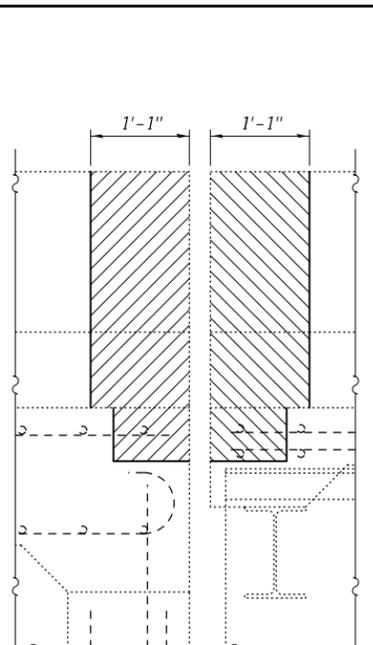
SHEET NO. 1 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B-1) BDR	WHITESIDE	25	10
CONTRACT NO. 64N61				
ILLINOIS FED. AID PROJECT				

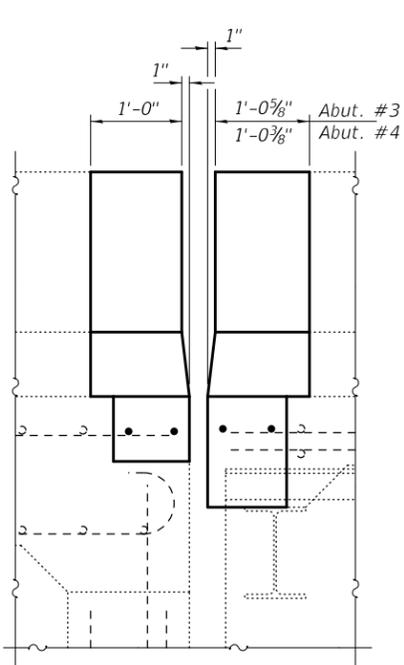


**REMOVAL PLAN**  
Abutment #3 shown, Abutment #4 similar by 180° rotation except as noted.

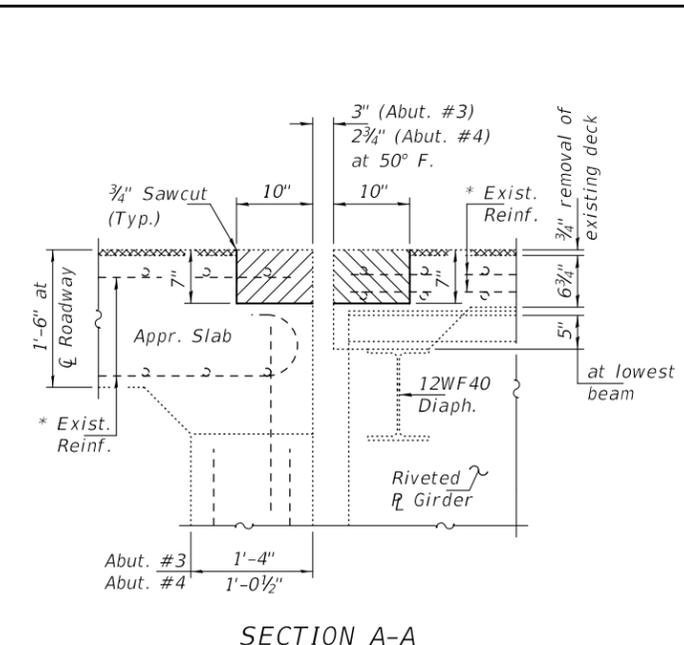
**REPLACEMENT PLAN**  
Abutment #3 shown, Abutment #4 similar by 180° rotation except as noted.



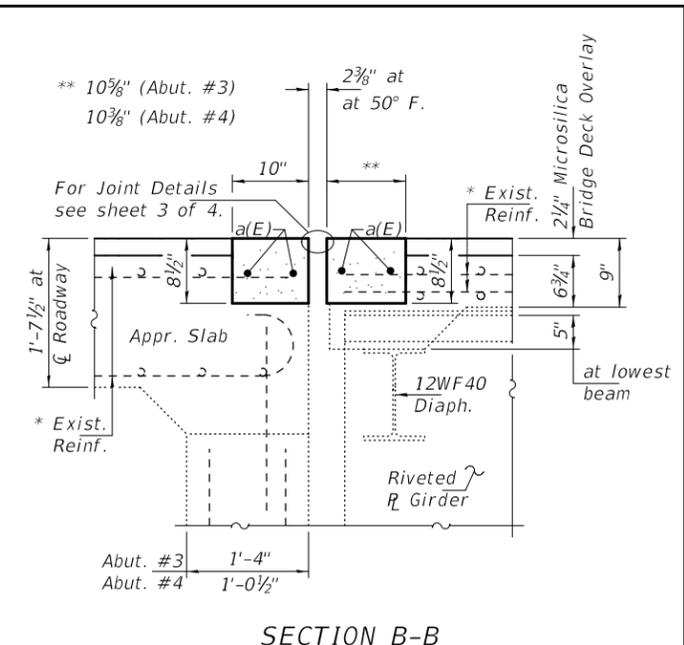
**SECTION E-E**



**SECTION F-F**

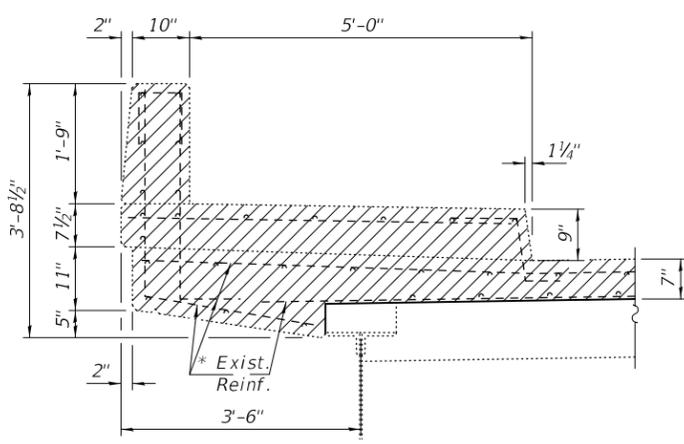


**SECTION A-A**

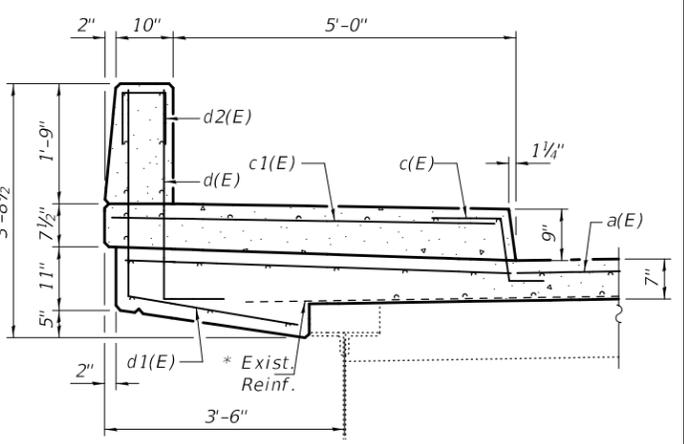


**SECTION B-B**

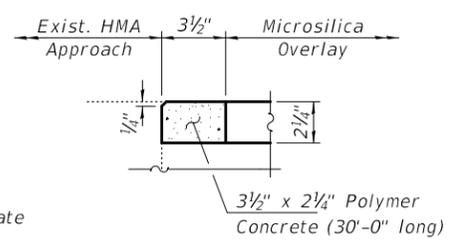
\* Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.



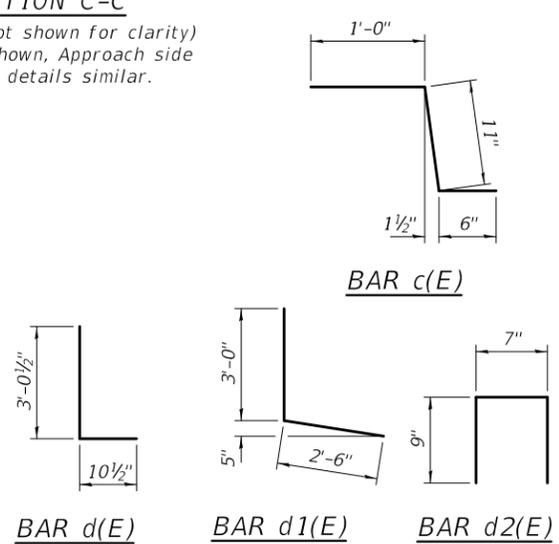
**SECTION C-C**  
(Guardrail not shown for clarity)  
Deck side shown, Approach side removal details similar.



**SECTION D-D**  
(Guardrail not shown for clarity)  
Deck side shown, Approach side replacement details similar.



**POLYMER CONCRETE NOSING DETAIL**  
(Typ. Ea. Approach)



**BILL OF MATERIAL (BOTH ABUTMENTS)**

Bar	No.	Size	Length	Shape
a(E)	16	#5	41'-4"	—
c(E)	24	#5	2'-5"	⌋
c1(E)	16	#5	5'-7"	—
d(E)	16	#6	3'-11"	L
d1(E)	16	#4	5'-6"	L
d2(E)	16	#4	2'-1"	⌋
Concrete Removal			Cu. Yd.	7.8
Concrete Superstructure			Cu. Yd.	7.8
Reinforcement Bars, Epoxy Coated			Pound	1020

Note:  
Hatched areas indicate Concrete Removal.

DESIGNED - JSB  
CHECKED - CCC  
DRAWN - daburdell  
CHECKED - JSB CCC

EXAMINED  
PASSED  
ENGINEER OF STRUCTURAL SERVICES  
ENGINEER OF BRIDGES AND STRUCTURES

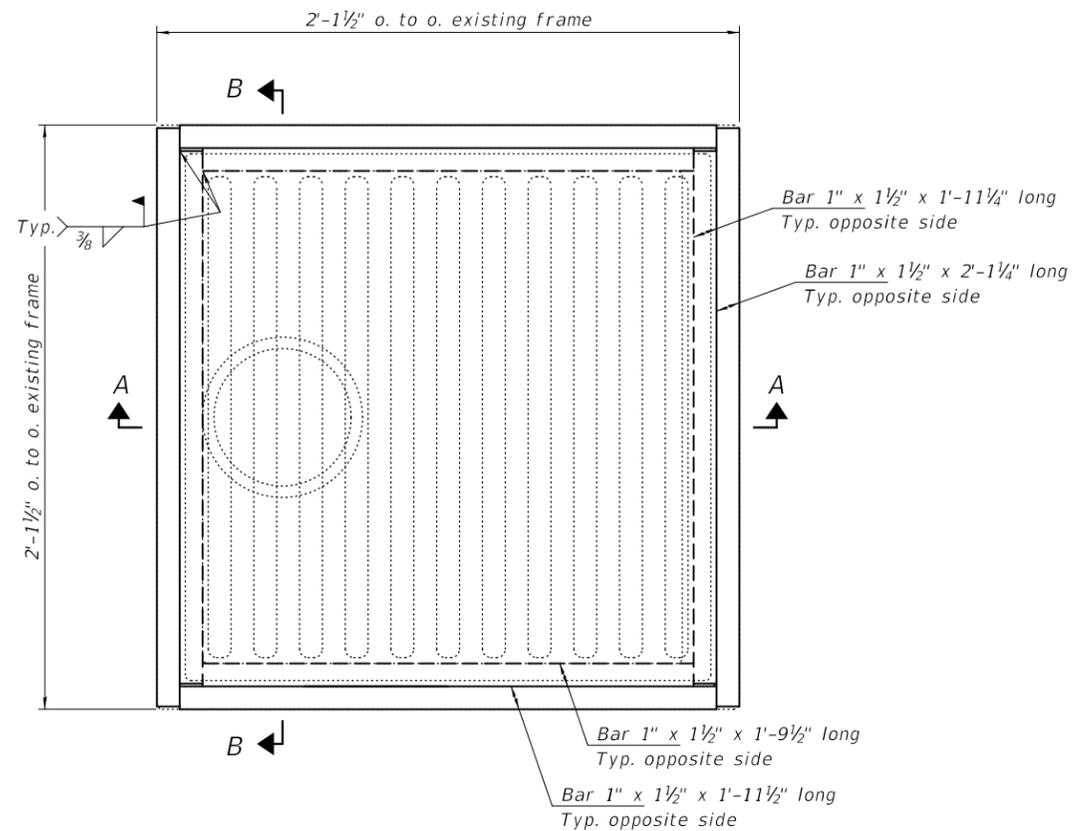
DATE - APRIL 26, 2019  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

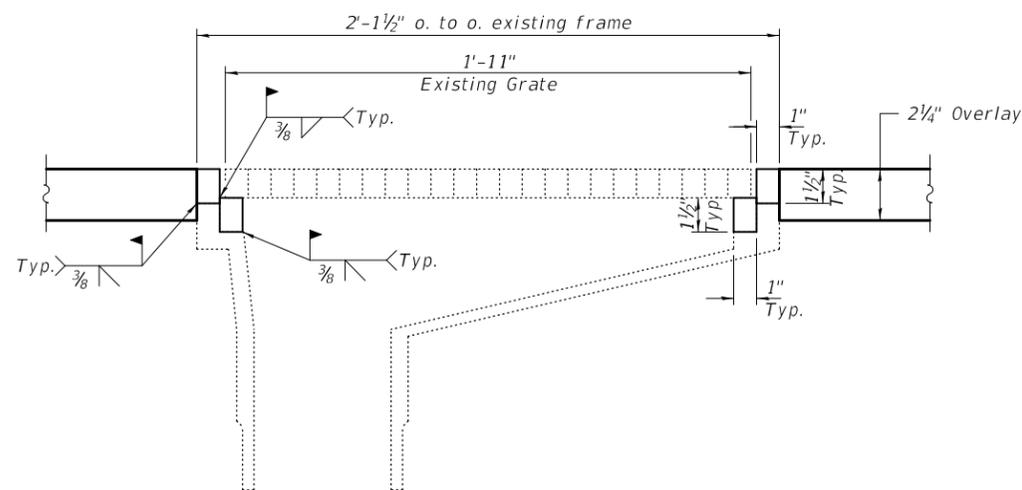
JOINT REMOVAL & REPLACEMENT DETAILS  
SN 098-0052

SHEET NO. 2 OF 6 SHEETS

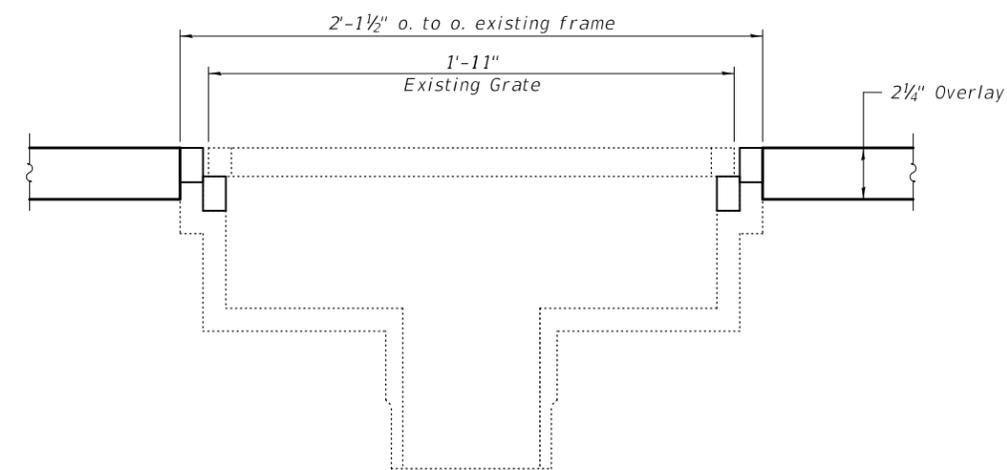
F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
5571 (B-1) BDR WHITESIDE 25 11  
CONTRACT NO. 64N61  
ILLINOIS FED. AID PROJECT



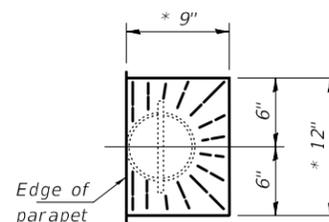
PLAN



SECTION A-A



SECTION B-B



TOP PLAN

\* At existing drains slope to drain.

**GENERAL NOTES**

All structural steel shall conform to AASHTO Classification M-270 Gr. 36.  
 The adjusting scupper ring shall be galvanized.  
 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.  
 The contractor shall ensure that no damage is done to existing grates to be reused.  
 Shop plans for proposed adjusting scupper ring shall be submitted for approval prior to fabrication.  
 Cost of all labor and materials necessary to remove existing grates, clean existing scuppers, install adjusting scupper rings and reinstalling grates is included in the cost per unit each for Drainage Scuppers to be Adjusted.

**BILL OF MATERIAL**

Item	Unit	Total
Drainage Scuppers to be Adjusted	Each	8

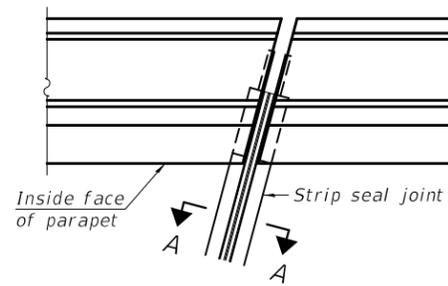
DESIGNED - JSB	EXAMINED - <i>Timothy A. Daburdell</i>	DATE - APRIL 26, 2019
CHECKED - CCC	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - <i>daburdell</i>	PASSED - <i>Carl Ringer</i>	REVISED -
CHECKED - JSB CCC	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING SCUPPER ADJUSTMENT  
 SN 098-0052

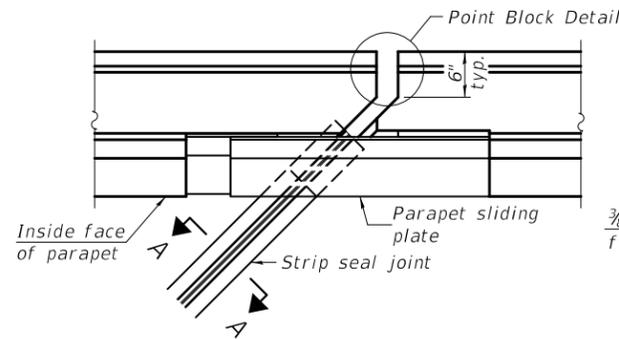
SHEET NO. 3 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B-1) BDR	WHITESIDE	25	12
CONTRACT NO. 64N61				
ILLINOIS FED. AID PROJECT				

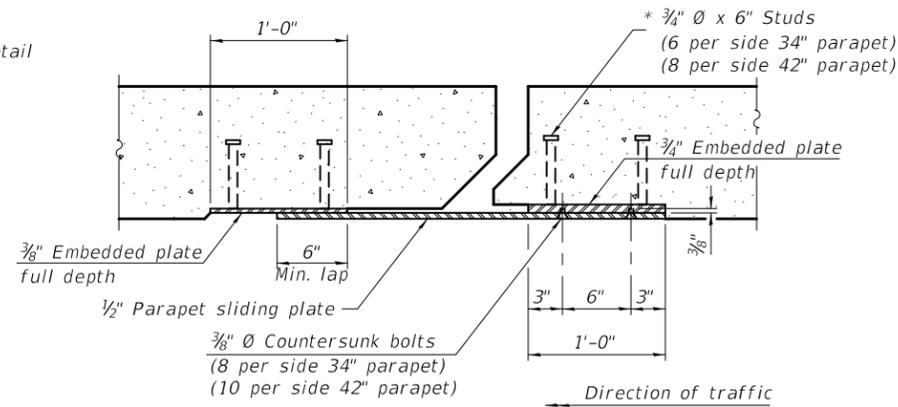


FOR SKEWS  $\leq 30^\circ$

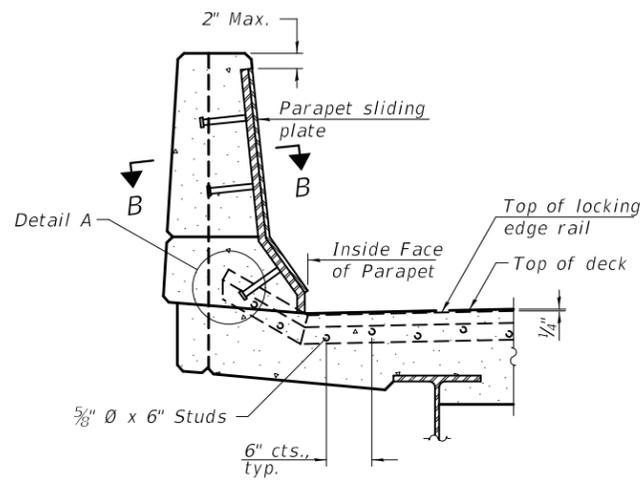
PLAN AT PARAPET



FOR SKEWS  $> 30^\circ$

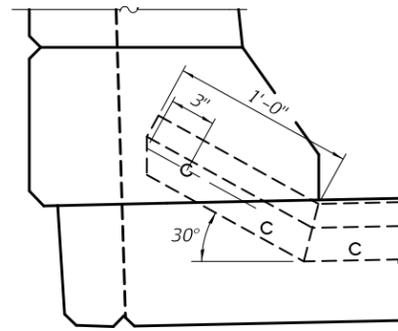


SECTION B-B

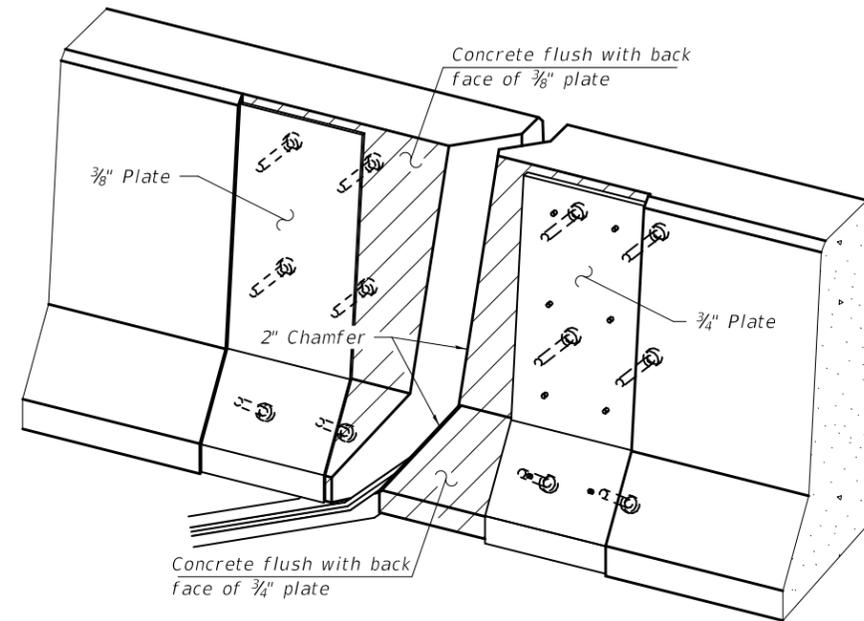


ELEVATION AT PARAPET

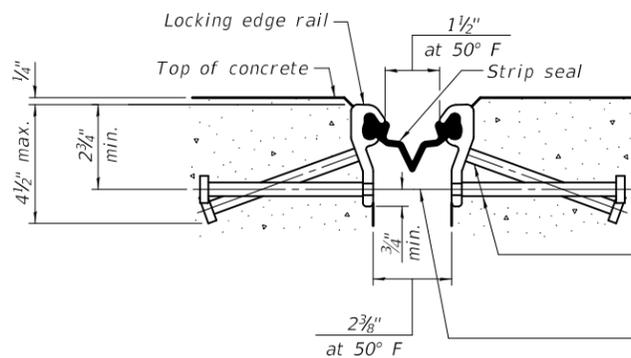
(Skews  $> 30^\circ$  shown. Skews  $\leq 30^\circ$  similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW  
(Showing embedded plates only)



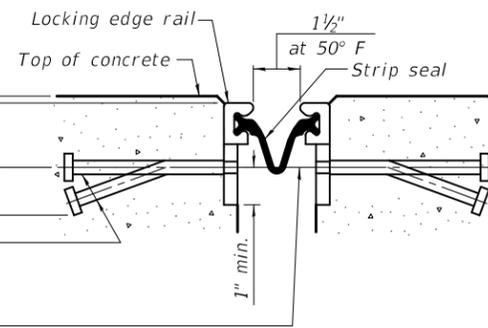
SHOWING ROLLED RAIL JOINT

\*  $5/8"$   $\phi$  x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

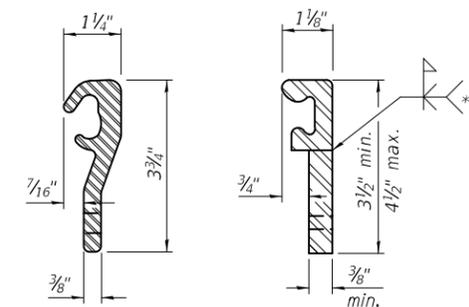
$3/8"$   $\phi$  threaded rods in  $7/16"$   $\phi$  holes at  $\pm 4'-0"$  cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



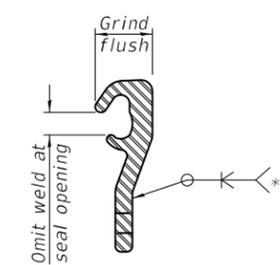
SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

LOCKING EDGE RAILS

\*\* Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	80

EJ-SS-S

8-11-17

(Sheet 1 of 3)

DESIGNED - JSB	EXAMINED
CHECKED - CCC	PASSED
DRAWN - daburdell	
CHECKED - JSB CCC	

 ENGINEER OF STRUCTURAL SERVICES	DATE - APRIL 26, 2019
 ENGINEER OF BRIDGES AND STRUCTURES	REVISED - REVISED -

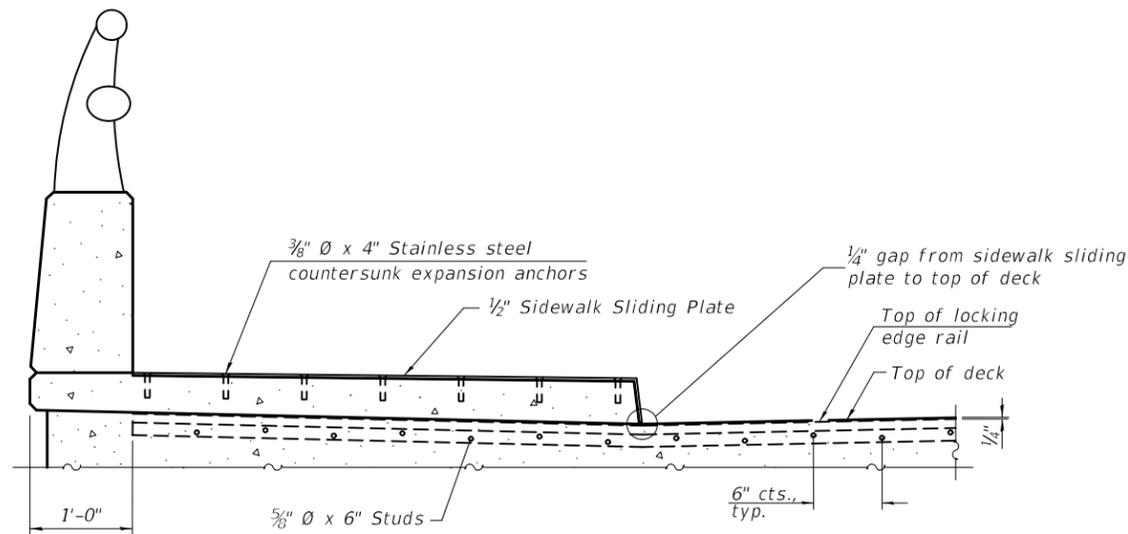
DATE - APRIL 26, 2019
REVISED -
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

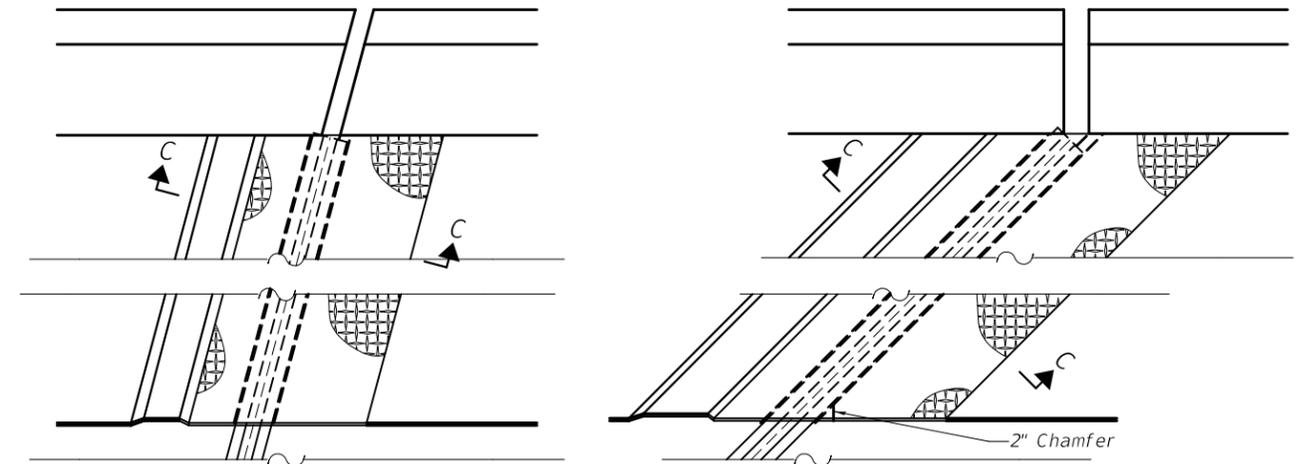
PREFORMED JOINT STRIP SEAL - SIDEWALK  
SN 098-0052

SHEET NO. 4 OF 6 SHEETS

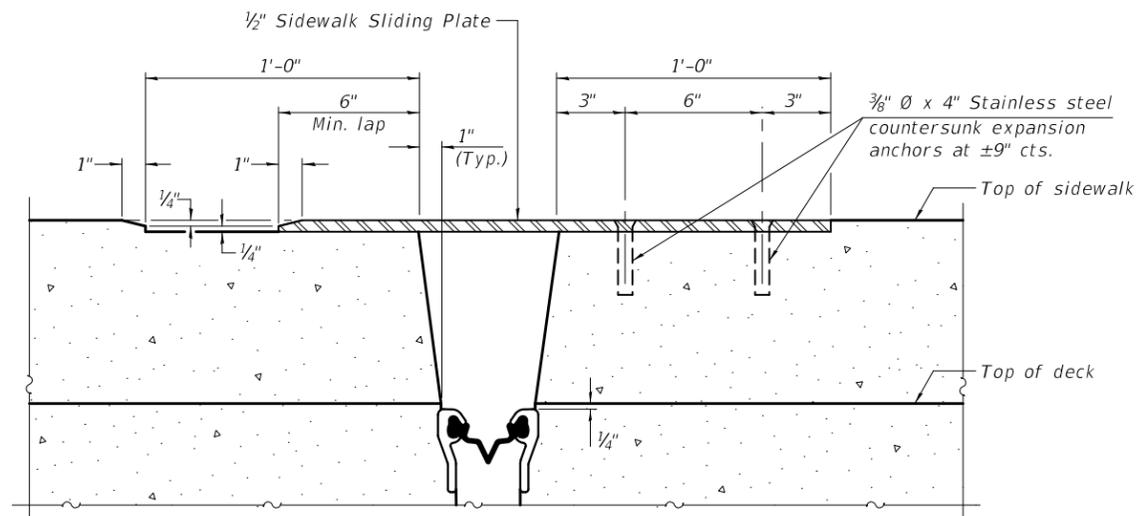
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B-1) BDR	WHITESIDE	25	13
CONTRACT NO. 64N61				
ILLINOIS FED. AID PROJECT				



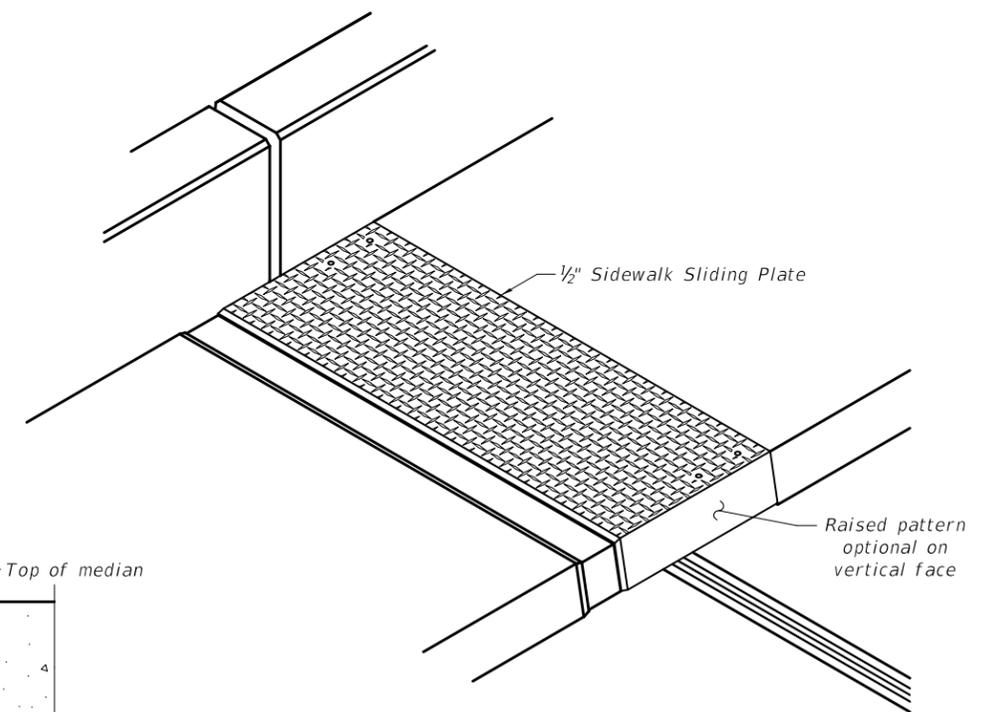
ELEVATION AT RAISED SIDEWALK



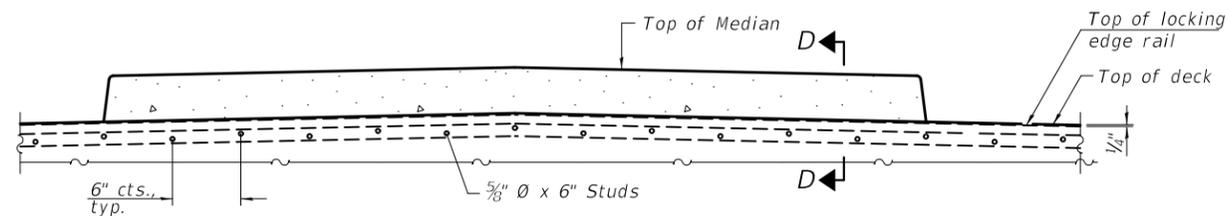
PLAN AT RAISED SIDEWALK



SECTION C-C

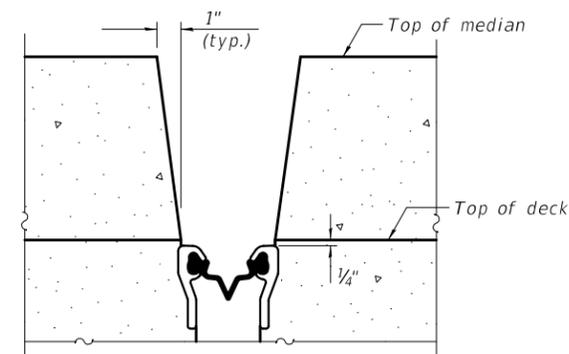


TRIMETRIC VIEW



ELEVATION AT MEDIAN

For skews  $> 30^\circ$ , chamfer acute corners 2" similar to sidewalk.



SECTION D-D  
(at Rt. L's)

EJ-SS-S

8-11-17

(Sheet 2 of 3)

DESIGNED - JSB  
 CHECKED - CCC  
 DRAWN - daburdell  
 CHECKED - JSB CCC

EXAMINED  
 PASSED  
 Timothy A. Daulton  
 ENGINEER OF STRUCTURAL SERVICES  
 Carl R. Ringer  
 ENGINEER OF BRIDGES AND STRUCTURES

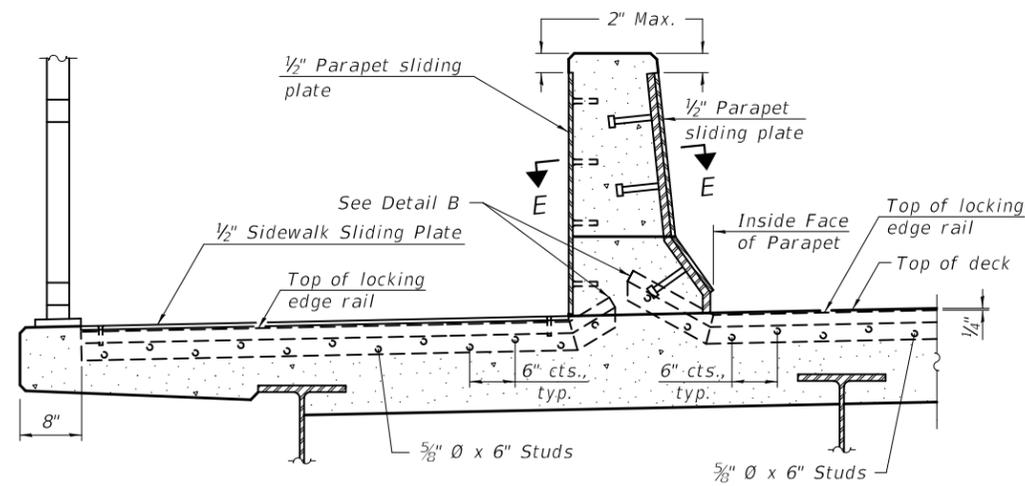
DATE - APRIL 26, 2019  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK  
 SN 098-0052

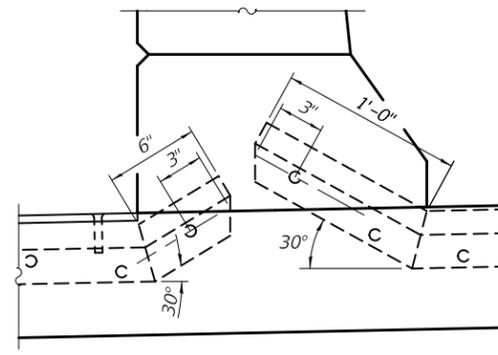
SHEET NO. 5 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B-1) BDR	WHITESIDE	25	14
CONTRACT NO. 64N61				
ILLINOIS FED. AID PROJECT				

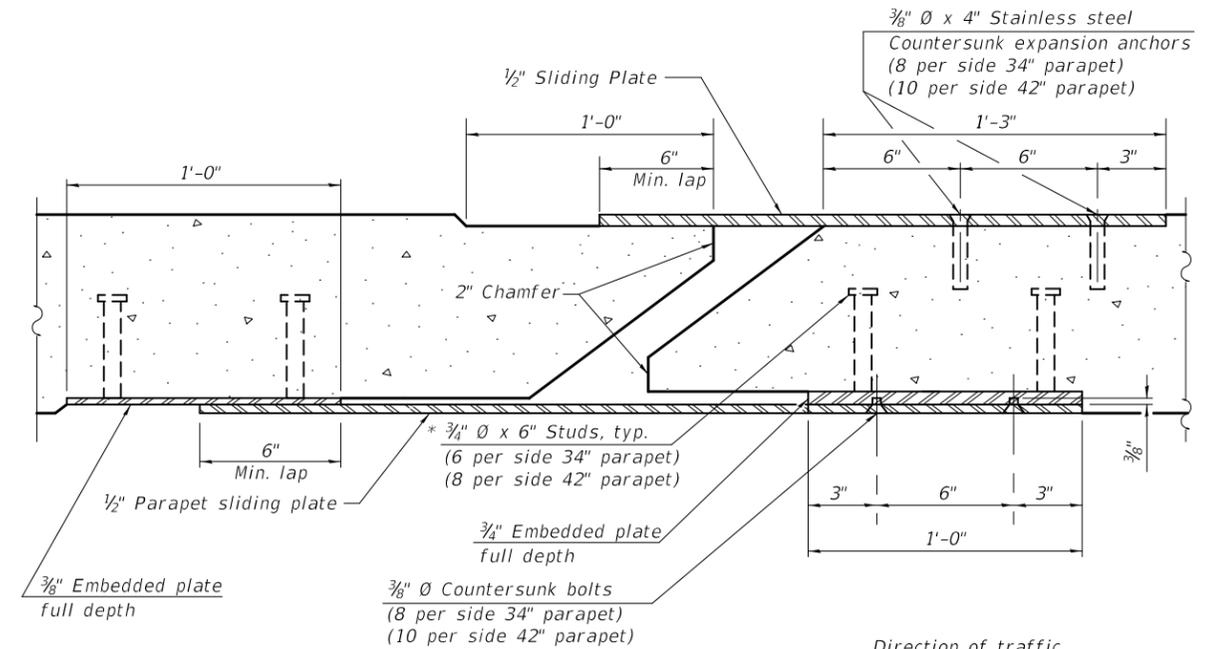


**ELEVATION AT DECK LEVEL SIDEWALK**

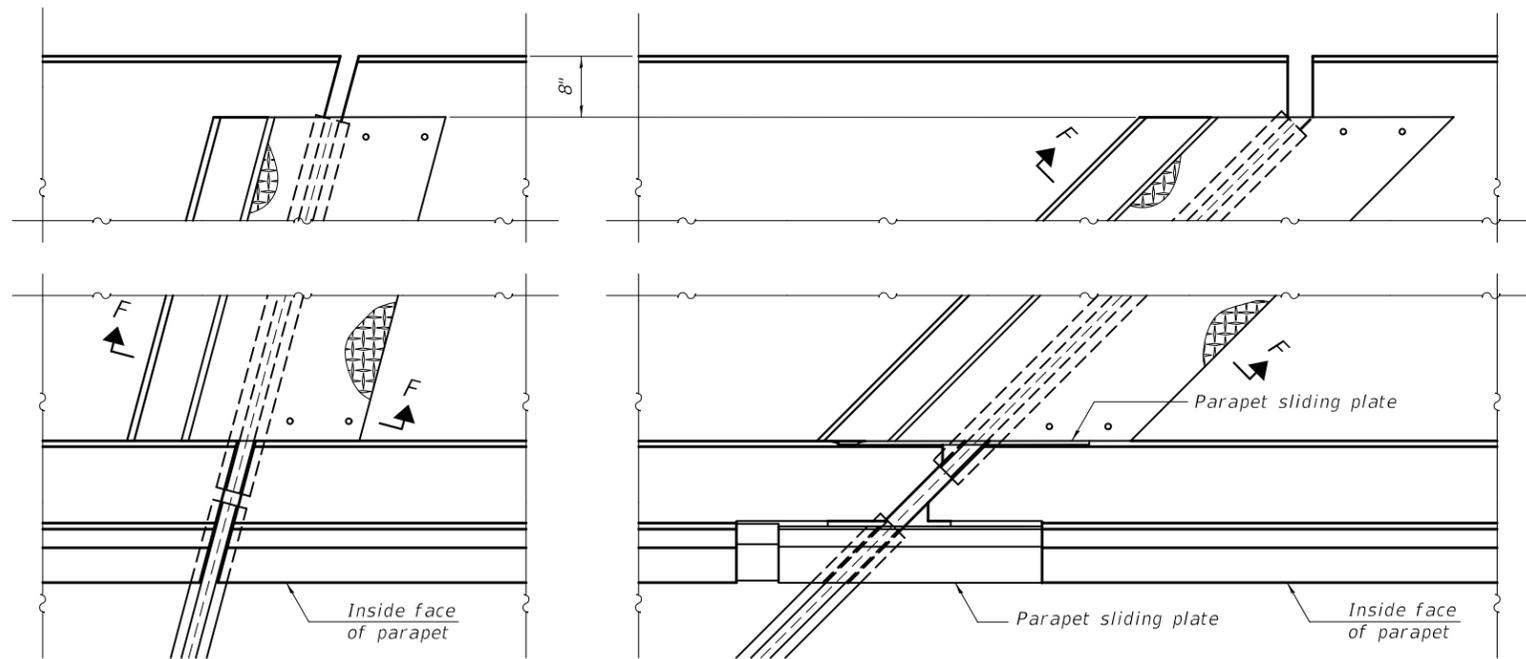
(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)



**DETAIL B**



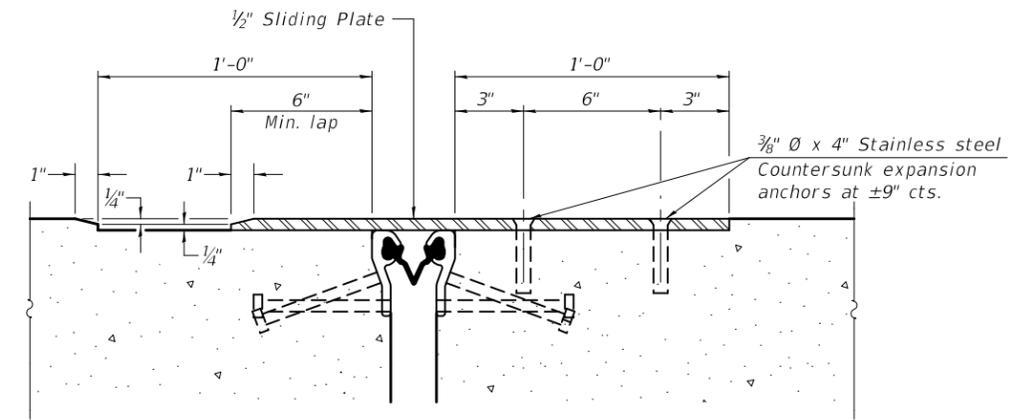
**SECTION E-E**



(FOR SKEWS ≤ 30°)

(FOR SKEWS > 30°)

**PLAN AT DECK LEVEL SIDEWALK**



**SECTION F-F**

EJ-SS-S

8-11-17

(Sheet 3 of 3)

DESIGNED - JSB	EXAMINED
CHECKED - CCC	PASSED
DRAWN - daburdell	
CHECKED - JSB CCC	

 ENGINEER OF STRUCTURAL SERVICES	DATE - APRIL 26, 2019
 ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK  
SN 098-0052

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B-1) BDR	WHITESIDE	25	15
CONTRACT NO. 64N61				

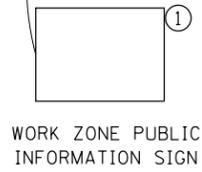
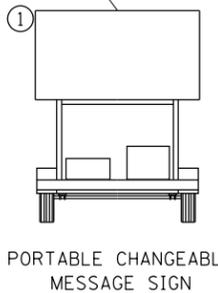
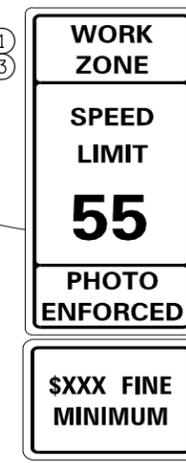
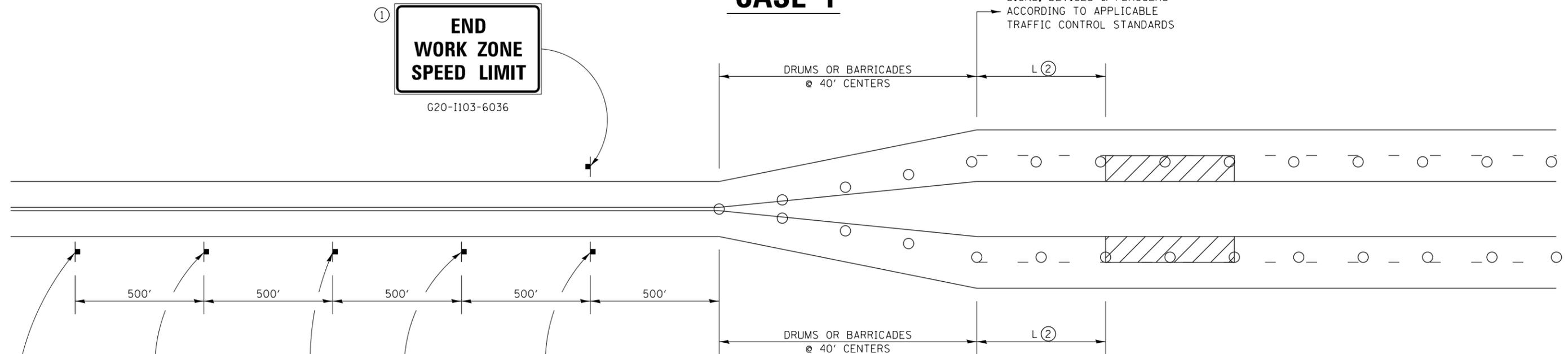
SHEET NO. 6 OF 6 SHEETS

ILLINOIS FED. AID PROJECT

# TRAFFIC CONTROL FOR TRANSITION AREAS

## CASE 1

SIGNS, DEVICES & FLAGGERS  
ACCORDING TO APPLICABLE  
TRAFFIC CONTROL STANDARDS



SIGNS, DEVICES & FLAGGERS  
ACCORDING TO APPLICABLE  
TRAFFIC CONTROL STANDARDS

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.

\* DEPENDS ON GEOMETRICS  
OF THE TRANSITION. MAY  
SWITCH THE "STAY IN YOUR  
LANE" AND "WEAVE SIGNS"

FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED - 4-20-17
pw:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\Operations\Drawings\Section\Whiteside\098-0051 & 098-0052\64064\0207713-shieldcover.dgn		DRAWN	REVISED - 8-27-13
		CHECKED -	REVISED - 1-16-13
		DATE -	

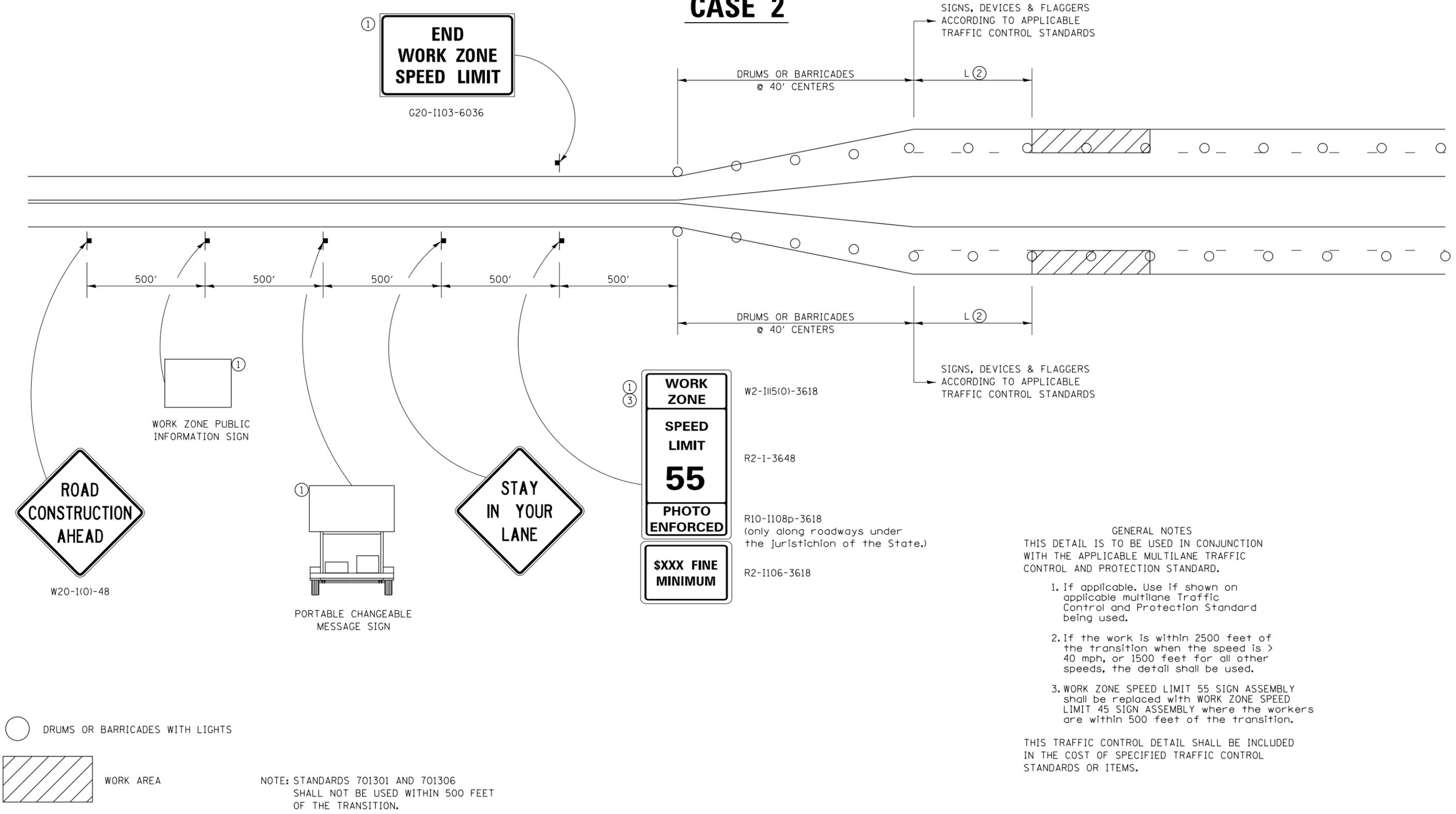
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD	
SCALE: _____	SHEET NO. ____ OF ____ SHEETS
STA. _____ TO STA. _____	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B-1)BDR	WHITESIDE	20	16
CONTRACT NO. 64N61			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

# TRAFFIC CONTROL FOR TRANSITION AREAS

## CASE 2



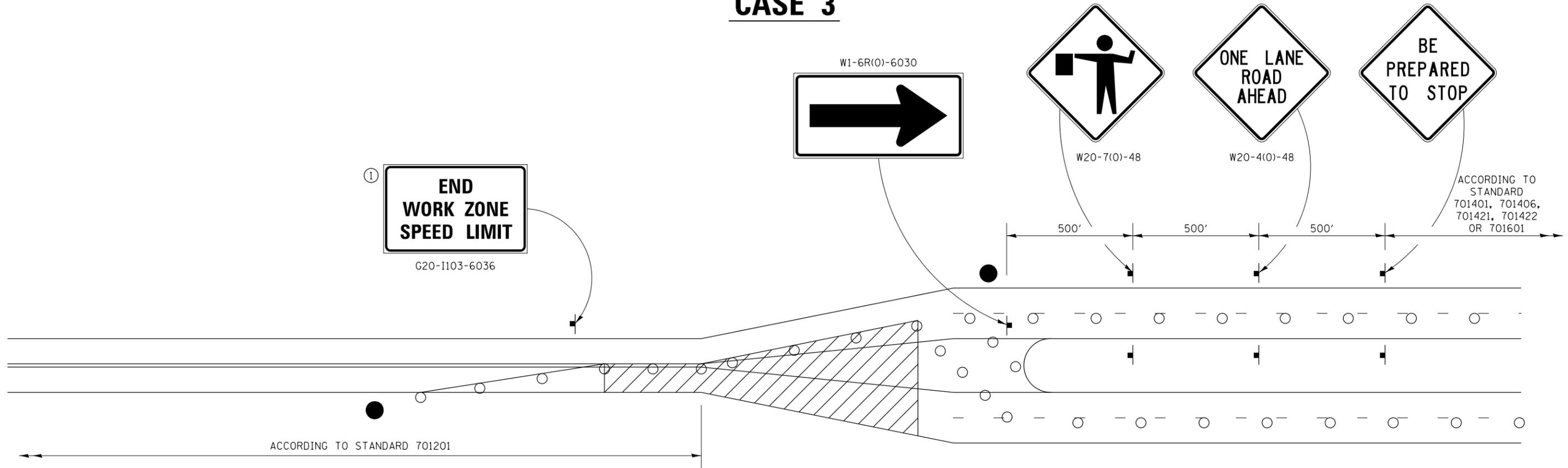
- GENERAL NOTES**
- THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.
1. If applicable, use if shown on applicable multilane Traffic Control and Protection Standard being used.
  2. If the work is within 2500 feet of the transition when the 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.

FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED - 4-20-17	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						5571	(B-1)BDR	WHITESIDE	20	17
						CONTRACT NO. 64N61				
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED - 8-27-13	SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				
PLOT DATE = May-07-2019 08:15:46 AM		DATE -	REVISED - 1-16-13							

# TRAFFIC CONTROL FOR TRANSITION AREAS

## CASE 3



**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.

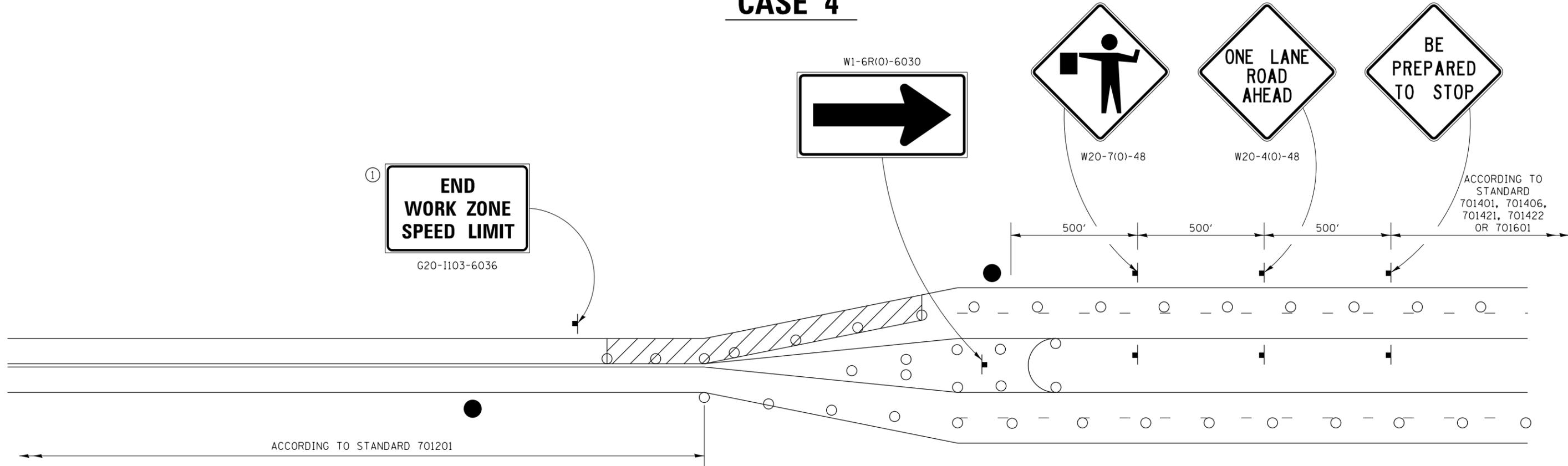
- FLAGGER WITH TRAFFIC CONTROL SIGN
- DRUMS OR BARRICADES WITH LIGHTS
- WORK AREA

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

FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED - 4-20-17	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN						5571	(B-1)BDR	WHITESIDE	20	18
PLOT SCALE = 100.0000' / in.						CHECKED -	CONTRACT NO. 64N61			
PLOT DATE = May-07-2019 08:15:56 AM				DATE -	SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ 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.

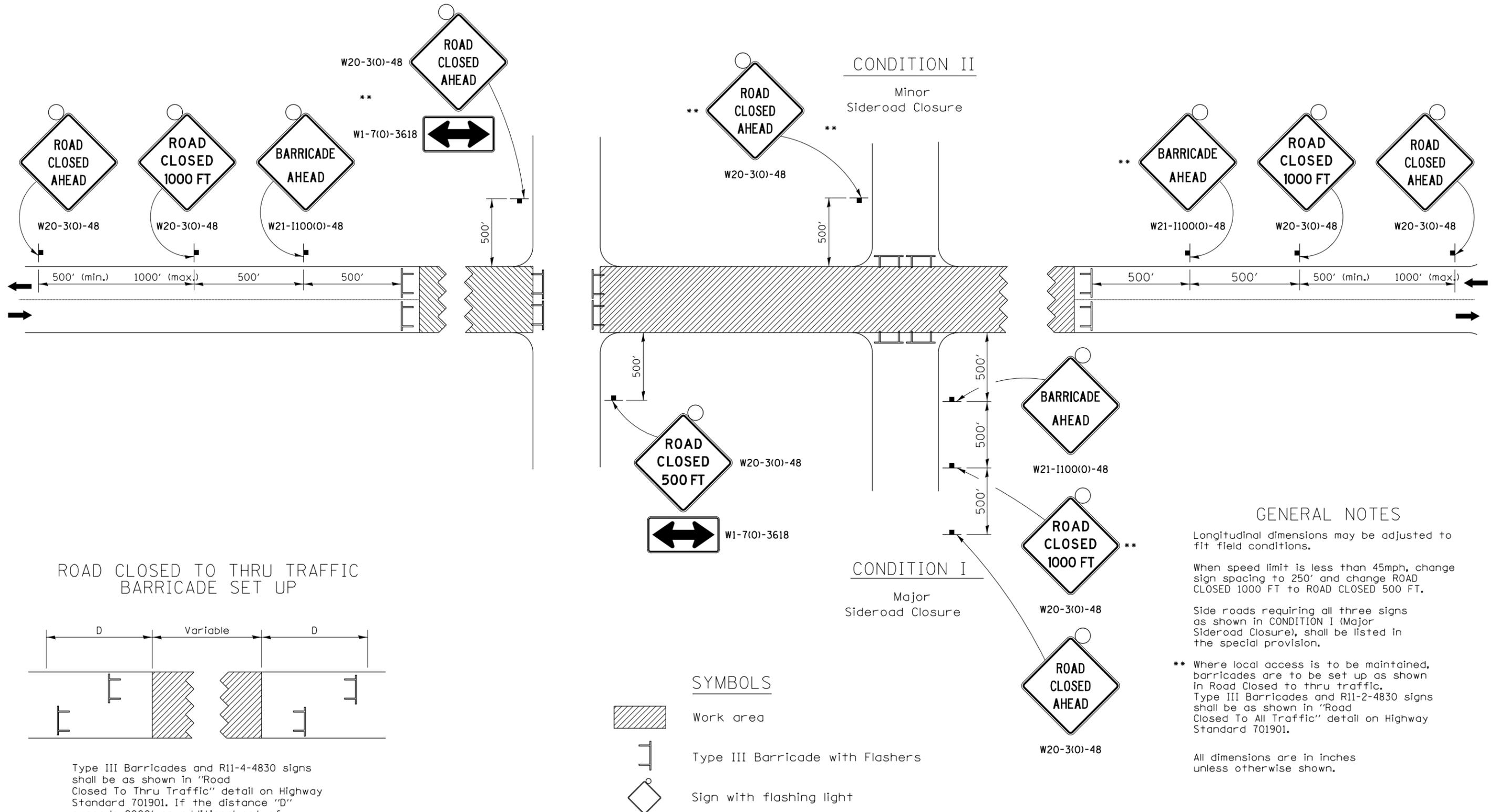
THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

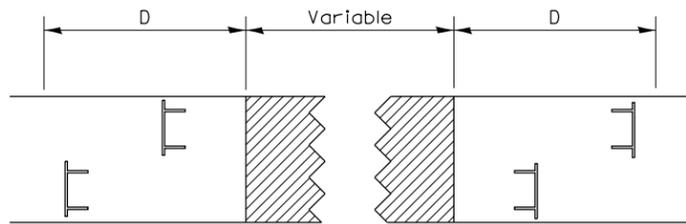
NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED - 4-20-17	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						5571	(B-1)BDR	WHITESIDE	20	19
						CONTRACT NO. 64N61				
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# TRAFFIC CONTROL FOR ROAD CLOSURE



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.

## GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

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.

TYPICAL APPLICATION FOR ROAD CLOSURE

FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED - 8-27-13
p:\planroom.dot\illinois.gov\PWIDOT\Documents\IDOT Offices\District 2\Projects\Operations\Drawings\Section\Whiteside\098-0051 & 098-0052\098-0051-1100-0207713-shd-cover.dgn		DRAWN	REVISED
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISOR -	DATE -
PLOT DATE = May-07-2019 08:16:18 AM	DATE -	REVISOR -	DATE -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	(B-1)BDR	WHITESIDE	20	20
CONTRACT NO. 64N61				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				