

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BRR	ILLINOIS	40	1
			CONTRACT NO. 68G43 WARREN / McDONOUGH	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

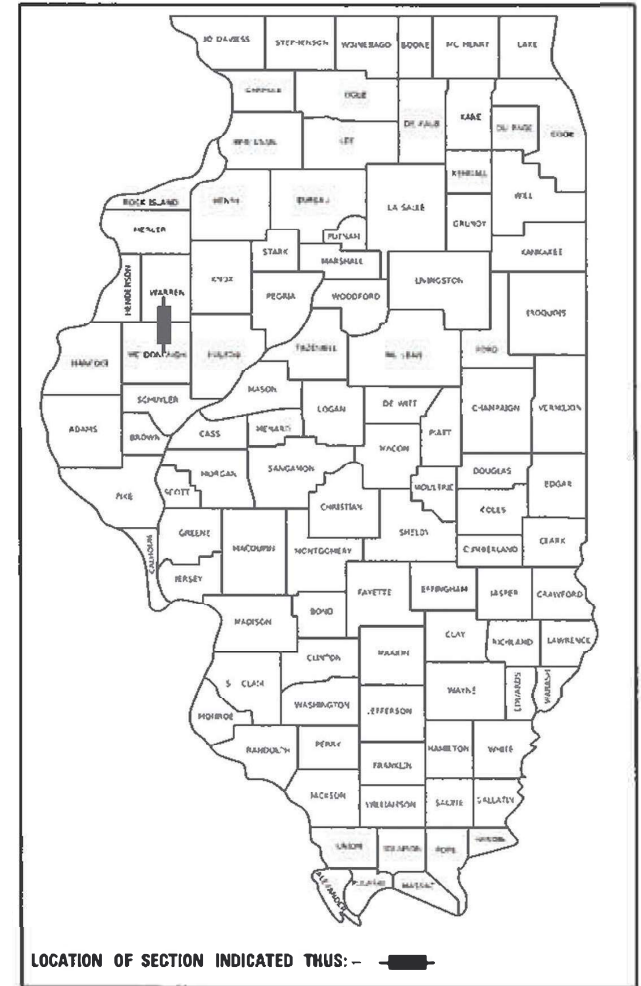
HIGHWAY STANDARDS

- 000001-08
- 001001-02
- 001006
- 630301-09
- 631031-17
- 701001-02
- 701400-11
- 701401-13
- 701411-09
- 701901-08
- 704001-08
- 781001-04

**PROPOSED  
HIGHWAY PLANS**

FAP 310 ROUTE US 67 /IL 110  
SECTION [(35,36)B-1;(37B-1)BR-1]BRR  
PROJECT NHPP-HUGB(413)  
BRIDGE DECK OVERLAY & BRIDGE  
APPROACH REPAIRS  
WARREN & McDONOUGH COUNTY

D-94-045-21



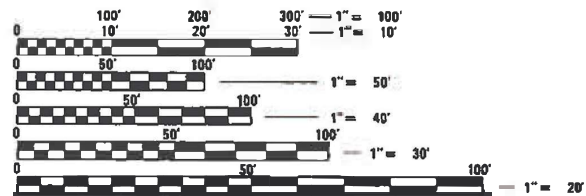
**FC OTHER PRINCIPAL ARTERIAL**

- SN 094-0037 & -0038  
ADT 2150 /2021 SU 3.78% MU 15.00%
- SN 094-0039 & -0040  
ADT 2150 /2021 SU 5.85% MU 16.49%
- SN 055-0031 & -0032  
ADT 2250 /2021 SU 5.45% MU 16.83%

SN 094-0037 (SB) &  
SN 094-0038 (NB)  
OVER BIG NEGRO CREEK

SN 094-0039 (SB) &  
SN 094-0040 (NB)  
OVER SWAN CREEK

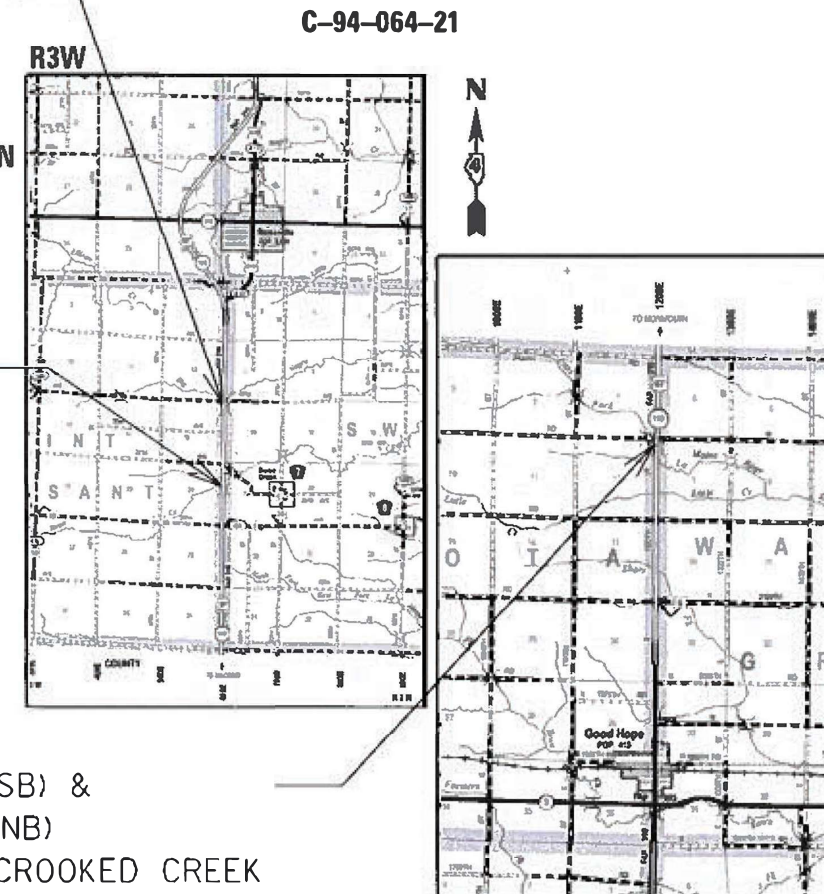
SN 055-0031 (SB) &  
SN 055-0032 (NB)  
OVER E FORK CROOKED CREEK



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 EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER: NICOLE FAYANT, 309-671-3454  
PROJECT MANAGER: ARLENE OTERO-FEBUS, 309-671-3462  
CONTRACT NO. 68G43  
CATALOG NO 036209-00D



GROSS LENGTH = 2059.6 FT. = 0.39 MILE  
NET LENGTH = 2059.6 FT. = 0.39 MILE

BRIDGE DECK OVERLAY, BRIDGE APPROACH  
ROADWAY AND BRIDGE REPAIRS TO  
SN 094-0037, SN 094-0038, SN 094-0039,  
SN 094-0040, SN 055-0031 AND SN 055-0032

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 24 2022  
*[Signature]*  
REGIONAL ENGINEER

May 13, 2022 *[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2022 *[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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**COMMITMENT**

Commitments are not to be altered without the written approval of all parties to which the commitment was made.  
**NO COMMITMENT IS MADE ON THIS PROJECT**

**GENERAL NOTES**

**BRIDGE OVERLAY NOTIFICATION**

After placement of the bridge deck overlay, the Resident Engineer shall notify the District Bridge Maintenance Engineer of the "as constructed" milling depth and overlay thickness for updating the Illinois Highway Information System.

**POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES**

Surface Type	Residual Rate
Milled (HMA or PCC)	0.08 lb /sq ft
Existing Pavement	0.08 lb /sq ft
Fog Coat (between lifts)	0.08 lb /sq ft

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

Location(s):	Mainline	Mainline				
Mixture Use(s):	Surface 1.5"	Binder				
AC/PG:	PG 58-28	PG 58-28				
Design Air Voids:	4.0% @ N=50	4.0% @ N=50				
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 9.5				
Friction Aggregate:	Mix D	N.A.				
Quality Management Program:	QC/QA	QC/QA				
MTD:	No	No				

Note: 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size, unless otherwise approved by the Engineer.  
 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y./in., unless otherwise noted.  
 3) Sublot sizes for PFP and QCP mixes will be 600 tons, unless otherwise agreed to by the Engineer and the paving contractor.

**SECURING DRAINAGE STRUCTURE GRATES**

Prior to routing traffic onto the shoulders as shown in the staging plans, the Contractor shall secure gratings on shoulder inlets as directed by the Engineer. This work will not be paid for separately, but shall be included in the cost of the traffic control pay item.

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PLOT DATE = 3/23/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS &  
 GENERAL NOTES**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(36,36)B-1;(37B-1)BR-1]BRR	*	40	2
CONTRACT NO. 68G43				
ILLINOIS		FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				BRIDGE	BRIDGE	BRIDGE
				0047	0047	0047
				S.N. 094-0037 / -0038	S.N. 094-0039 / -0040	S.N. 055-0031 / -0032
28200200	FILTER FABRIC	SQ YD	101	92		9
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	6005	2330	1824	1851
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	5582	2174	1688	1720
40602978	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	231.5	89.5	70.8	71.2
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	468.5	182.60	141.6	144.3
42001300	PROTECTIVE COAT	SQ YD	3921	1537	1254	1130
50300260	BRIDGE DECK GROOVING	SQ YD	3434	1176	1188	1070
60500305	FILLING INLETS	EACH	9	4		5
60600605	CONCRETE CURB, TYPE B	FOOT	8	8		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2250	600	825	825
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	2		2
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	8	2	4	2
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	11	3	4	4

\*= SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BRR	*	40	3
			CONTRACT NO. 68G43	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				BRIDGE	BRIDGE	BRIDGE
				0047	0047	0047
				S.N. 094-0037 / -0038	S.N. 094-0039 / -0040	S.N. 055-0031 / -0032
63200310	GUARDRAIL REMOVAL	FOOT	3420	970	1250	1200
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	1.4	1.4	1.2
67100100	MOBILIZATION	L SUM	1	0.35	0.35	0.3
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	2		2
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	42	14	14	14
70300100	SHORT TERM PAVEMENT MARKING	FOOT	13710	3667	5228	4815
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4569	1222	1742	1605
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2000	625	700	675
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2000	625	700	675
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	6	2	2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	6	2	2	2
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	12	4	4	4
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	93.6	93.6		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	4119	1390	1394	1335

\*= SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BRR	*	40	4
CONTRACT NO. 68G43			ILLINOIS FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				BRIDGE	BRIDGE	BRIDGE
				0047	0047	0047
				S.N. 094-0037 / -0038	S.N. 094-0039 / -0040	S.N. 055-0031 / -0032
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	514	174	174	166
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	504	504		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	18	10	4	4
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	29	9	10	10
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	18	10	4	4
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2896	1024.2	881.4	990.4
X0326444	SURFACE FILLER (SPECIAL)	GALLON	6	2	2	2
X0327809	LINEAR DELINEATOR PANELS, 4 INCH	EACH	29	9	10	10
X2810128	STONE RIPRAP, CLASS B4 (SPECIAL)	SQ YD	76.1	69.4		6.7
X5015225	PIPE CULVERT REMOVAL (SPECIAL)	FOOT	120	104		16
X5030550	PROTECTIVE COAT (SPECIAL)	SQ YD	18.9	6.6	6.7	5.6
* X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	100	100		
X7010208	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	EACH	6	2	2	2
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	479.3	153.3	163	163

\*= SPECIALTY ITEM

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BR	*	40	5
		CONTRACT NO. 68G43		
		ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				BRIDGE	BRIDGE	BRIDGE
				0047	0047	0047
				S.N. 094-0037 / -0038	S.N. 094-0039 / -0040	S.N. 055-0031 / -0032
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	3921	1537	1254	1130
Z0012162	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	3921	1537	1254	1130
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	2		2	
∅ Z0076600	TRAINEES	HOUR	500	500		
Z0023600	FILLING EXISTING CULVERTS	EACH	4			4
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500		
Z0041895	POLYMER CONCRETE	CU FT	18	6	6	6

∅ 0042

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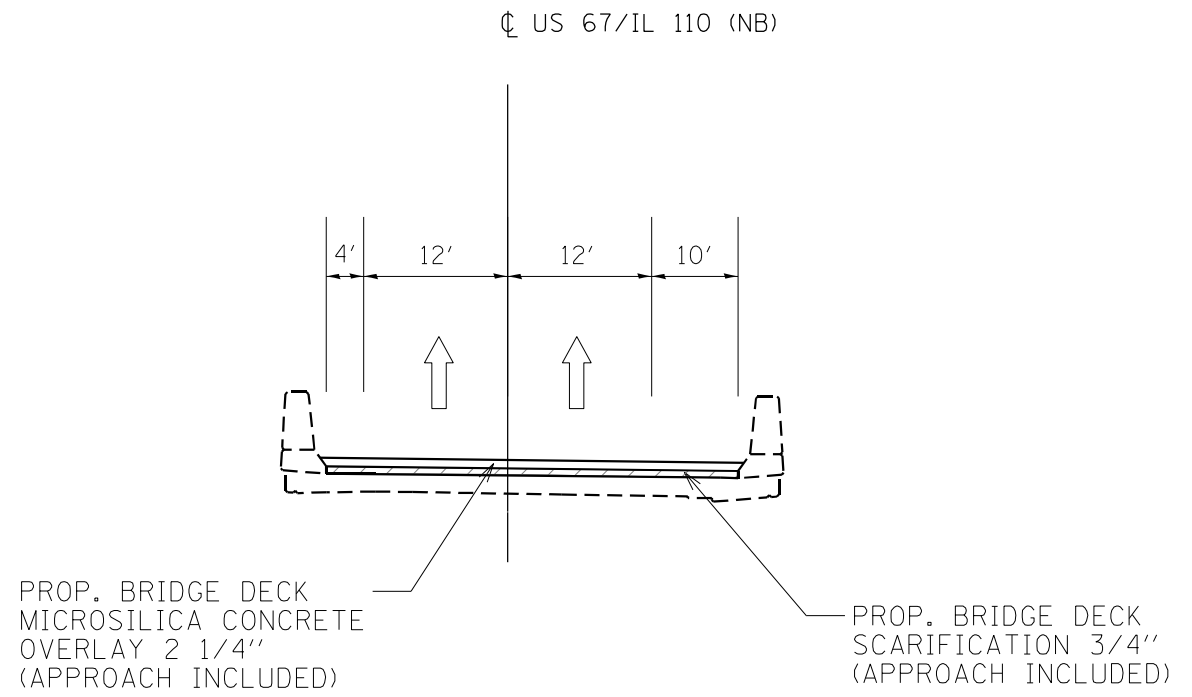
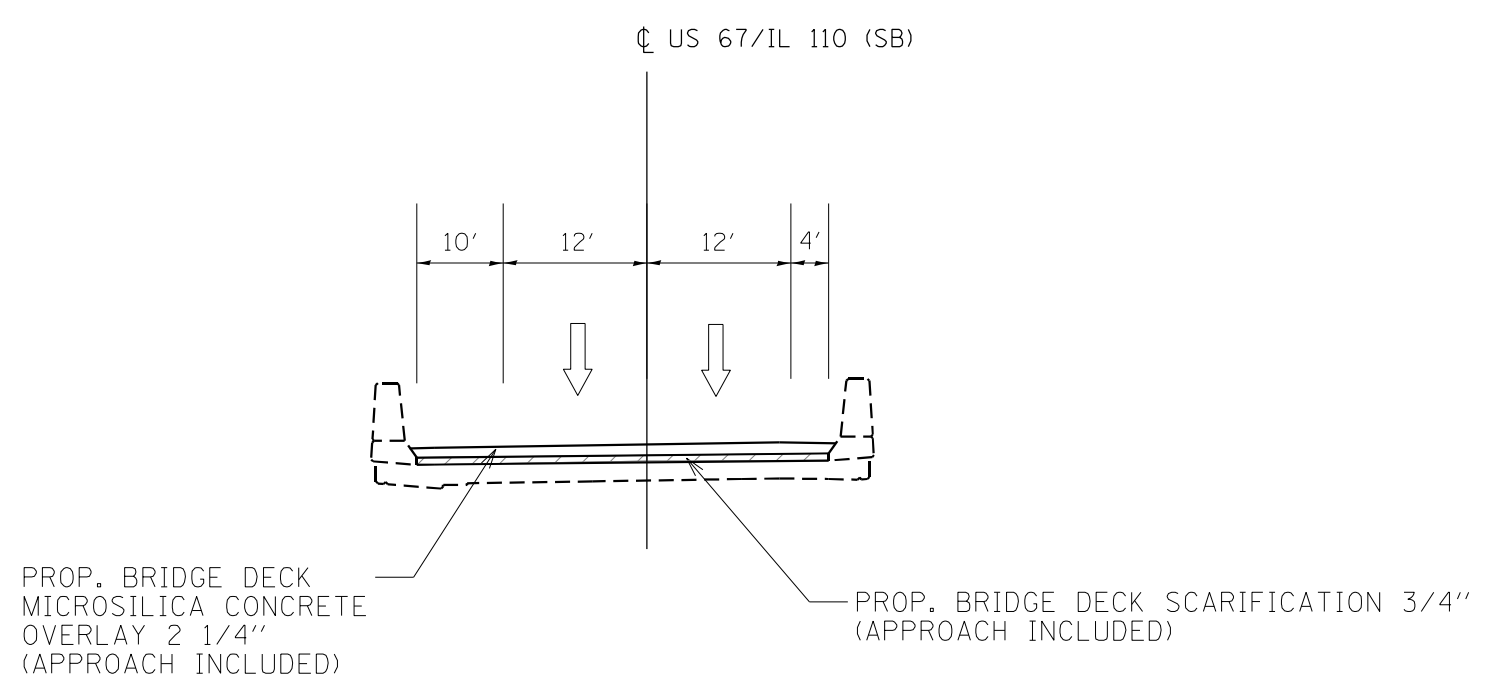
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

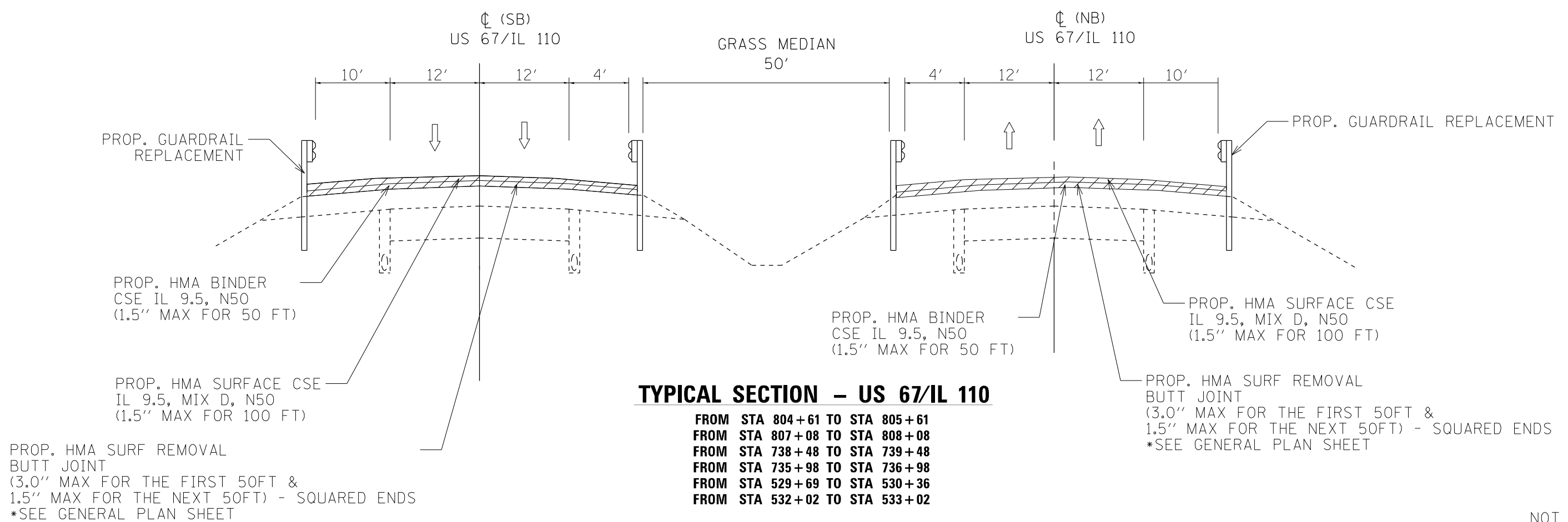
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G43	



### PROPOSED TYPICAL SECTION – BRIDGE & APPROACHES

SN 094-0037 & -0038 OVER BIG NEGRO CREEK  
SN 094-0039 & -0040 OVER SWAN CREEK  
SN 055-0031 & -0032 OVER EAST FORK CROOKED CREEK



### TYPICAL SECTION – US 67/IL 110

FROM STA 804+61 TO STA 805+61  
FROM STA 807+08 TO STA 808+08  
FROM STA 738+48 TO STA 739+48  
FROM STA 735+98 TO STA 736+98  
FROM STA 529+69 TO STA 530+36  
FROM STA 532+02 TO STA 533+02

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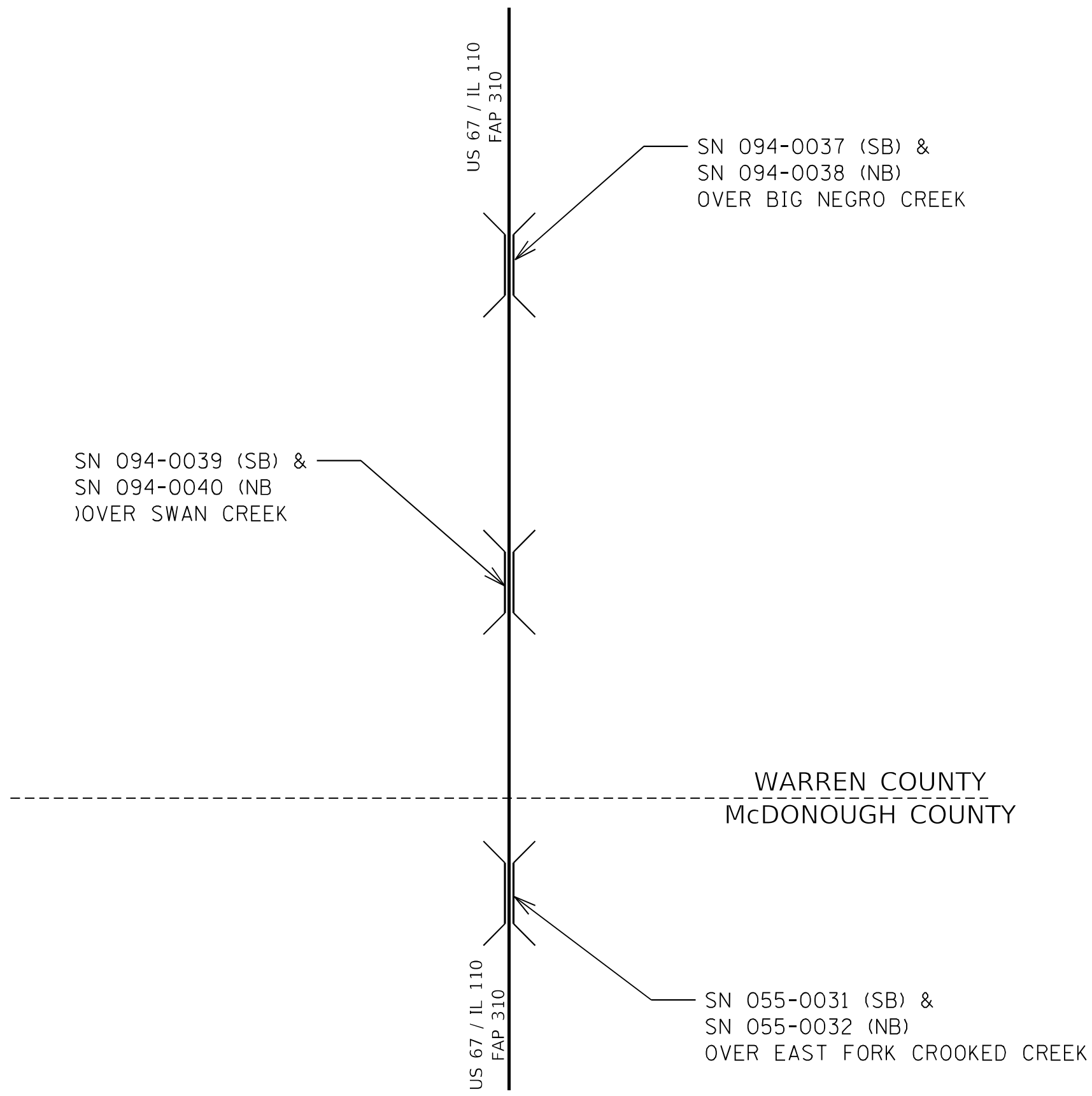
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				CONTRACT NO. 68G43

\* WARREN / MCDONOUGH



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LINE DIAGRAM**

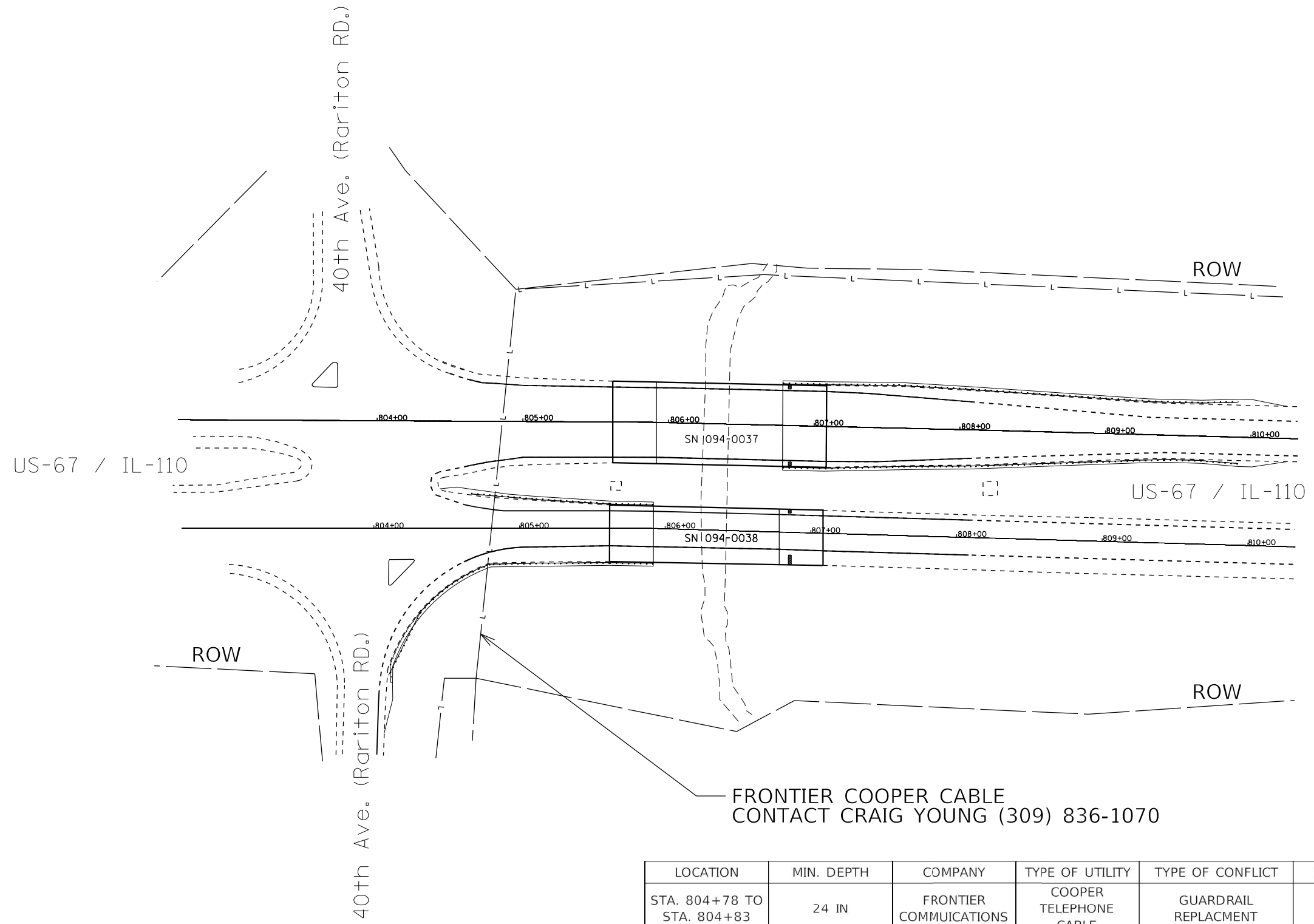
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RTE. US 67/IL110		CONTRACT NO. 68G43		

ILLINOIS FED. AID PROJECT \* WARREN / McDONOUGH







FRONTIER COOPER CABLE  
CONTACT CRAIG YOUNG (309) 836-1070

LOCATION	MIN. DEPTH	COMPANY	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
STA. 804+78 TO STA. 804+83	24 IN	FRONTIER COMMUNICATIONS	COOPER TELEPHONE CABLE	GUARDRAIL REPLACMENT	CAUTION

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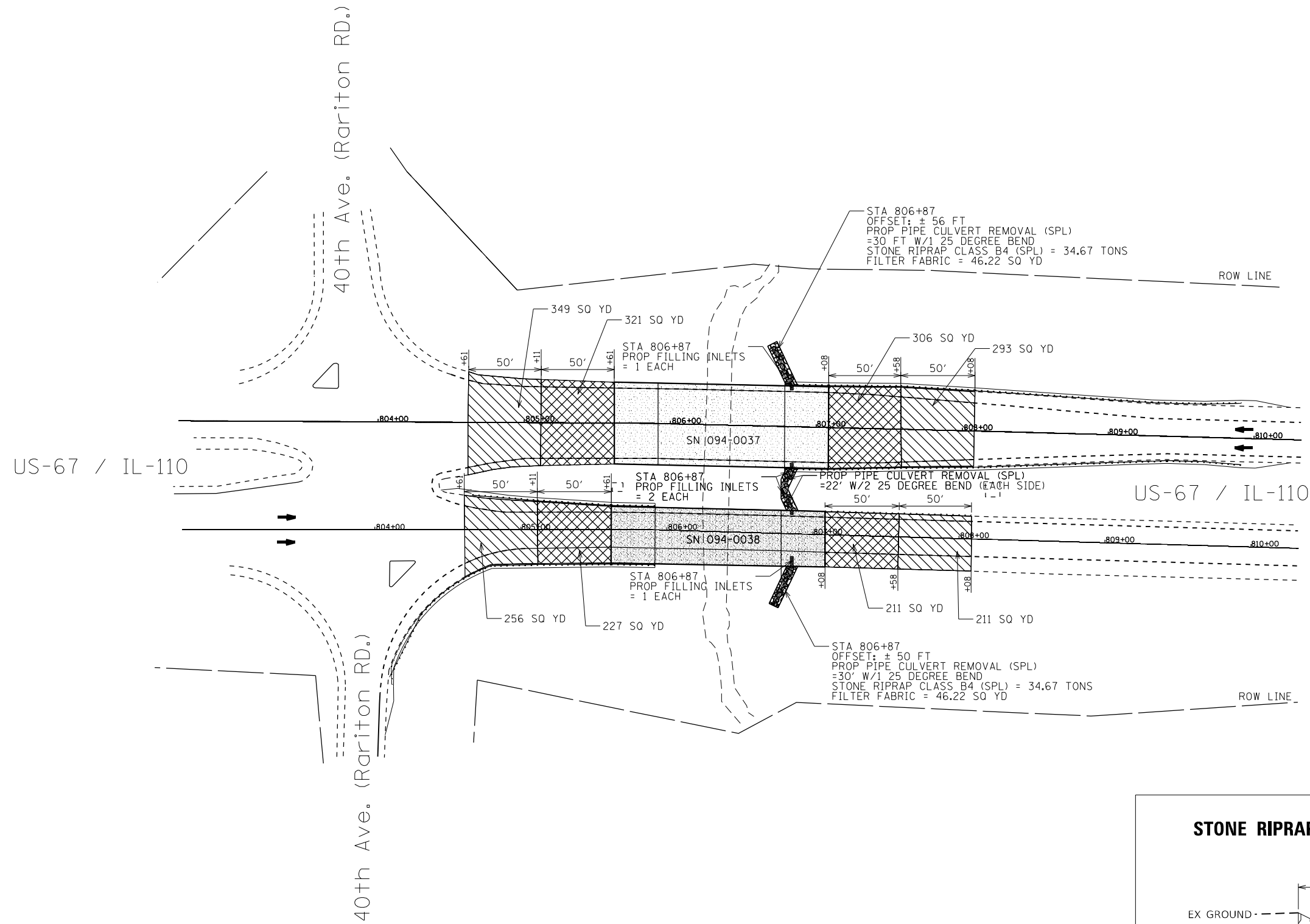
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 67 / IL 110 STATUS OF UTILITIES  
SN 094-0037 & SN 094-0038**

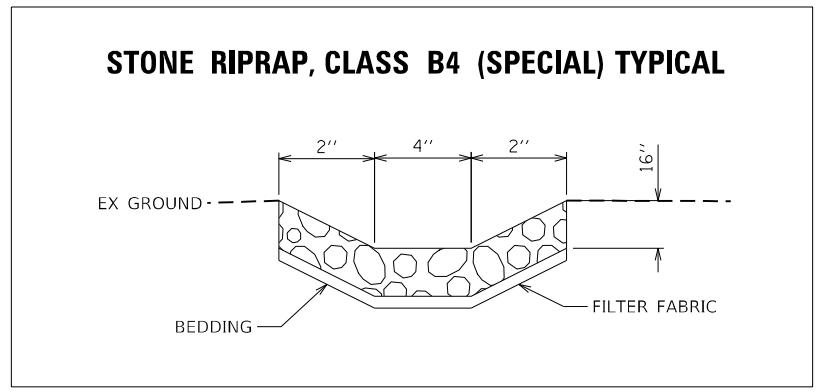
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CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				

• WARREN/McDONOUGH



- 3" HMA SURFACE REMOVAL, BUTT JOINT AND HMA SURFACE COURSE IL-9.5, N50 1.5" AND HMA BINDER COURSE IL-9.5, N50 1.5"
- 1.5" HMA SURFACE REMOVAL, BUTT JOINT AND HMA SURFACE COURSE IL-9.5, N50 1.5"
- BRIDGE DECK SCARIFICATION 3/4" AND BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"
- STONE DUMPED, RIPRAP



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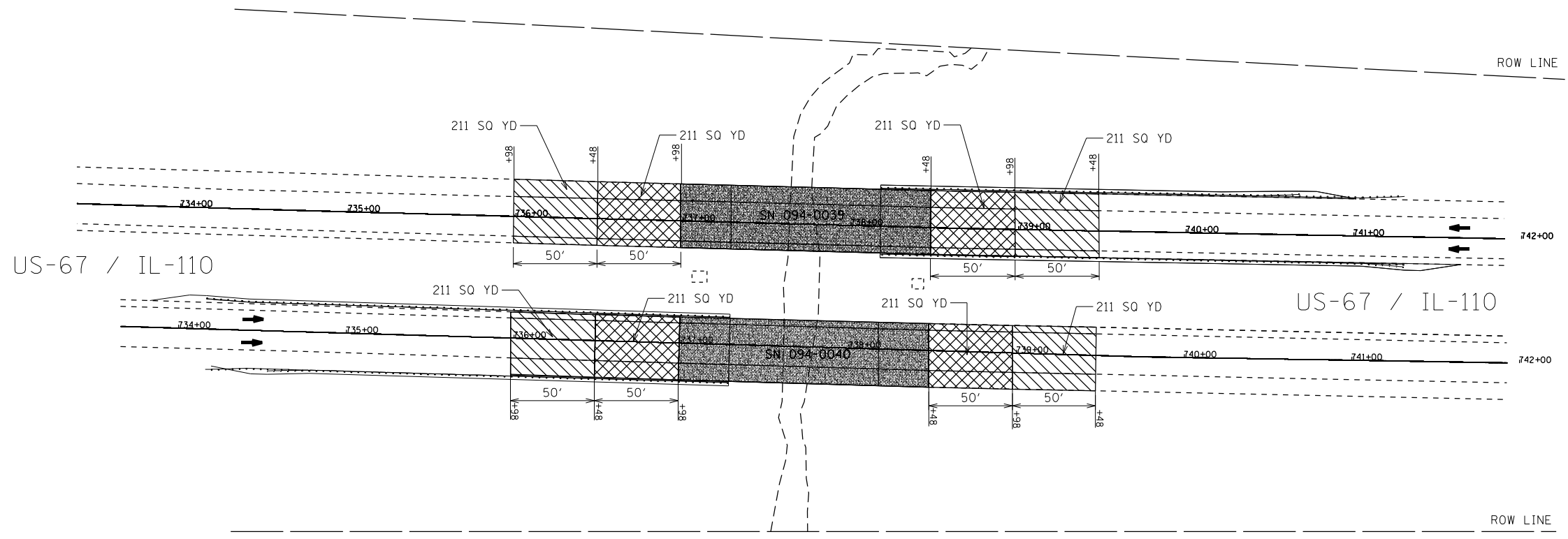
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>US 67 / IL 110 PLAN VIEW</b>			
<b>SN 094-0037 &amp; SN 094-0038</b>			
SCALE:	SHEET 1	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BRR	WARREN	40	11
CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				



-  3" HMA SURFACE REMOVAL, BUTT JOINT AND HMA SURFACE COURSE IL-9.5, N50 1.5" AND HMA BINDER COURSE IL-9.5, N50 1.5"
-  1.5" HMA SURFACE REMOVAL, BUTT JOINT AND HMA SURFACE COURSE IL-9.5, N50 1.5"
-  BRIDGE DECK SCARIFICATION 3/4" AND BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"
-  STONE DUMPED, RIPRAP

NOT TO SCALE

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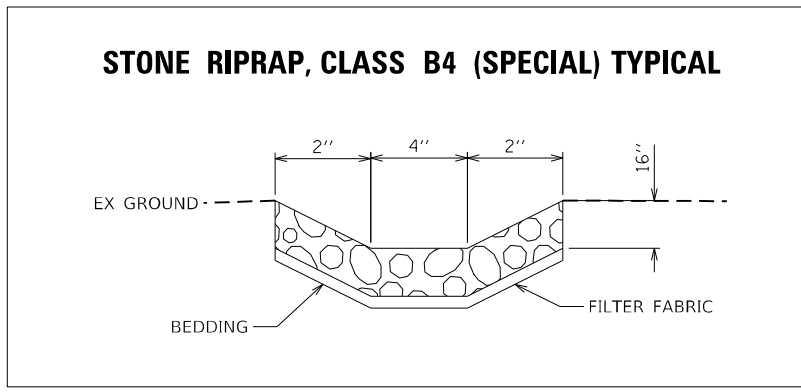
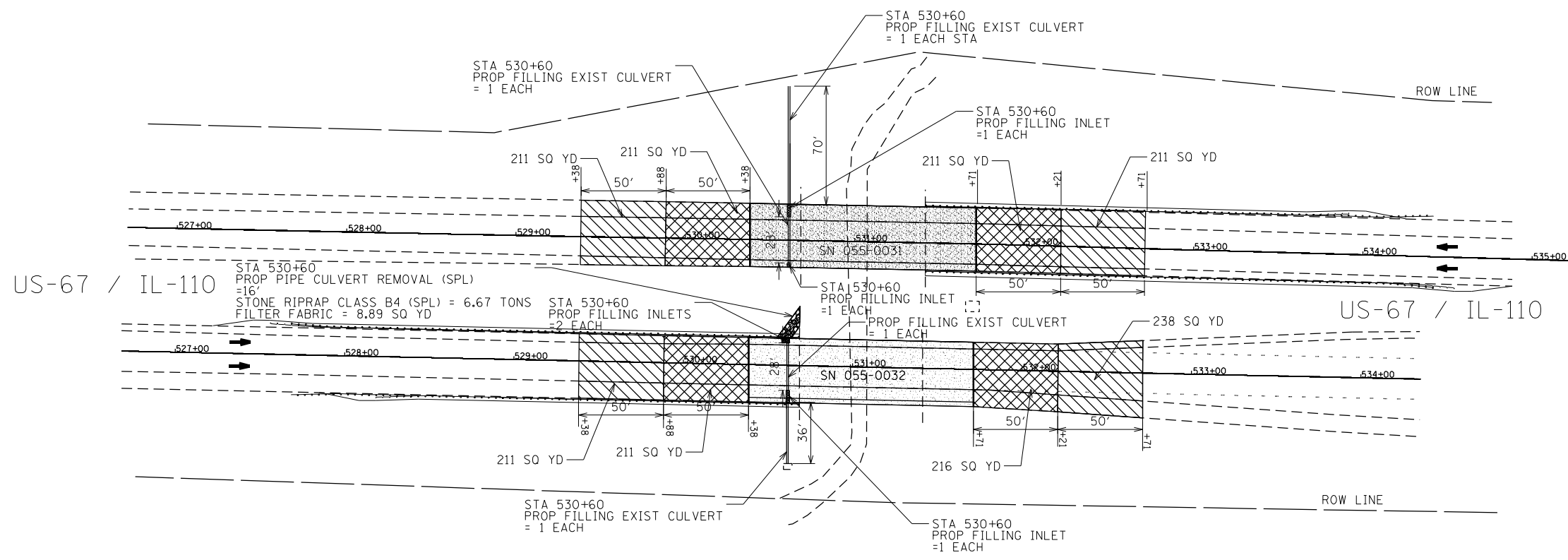
USER NAME = Vonachenjc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 80,0001' / in.	CHECKED -	REVISED -
PLOT DATE = 3/23/2022	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 67 / IL 110 PLAN VIEW**  
**SN 094-0039 & SN 094-0040**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BRR	WARREN	40	12
CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				



- 3" HMA SURFACE REMOVAL, BUTT JOINT AND HMA SURFACE COURSE IL-9.5, N50 1.5" AND HMA BINDER COURSE IL-9.5, N50 1.5"
- 1.5" HMA SURFACE REMOVAL, BUTT JOINT AND HMA SURFACE COURSE IL-9.5, N50 1.5"
- BRIDGE DECK SCARIFICATION 3/4" AND BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"
- STONE DUMPED, RIPRAP

NOT TO SCALE

MODEL: Default  
 FILE NAME: p:\projects\new\ben\paw.com\FWIDOT\Documents\DOT\diff\diff\Drawn\4\Project\1D4\_68G43\CADD\Draw\CAD\Sheet\1D4\_68G43-Plan\_View.dgn

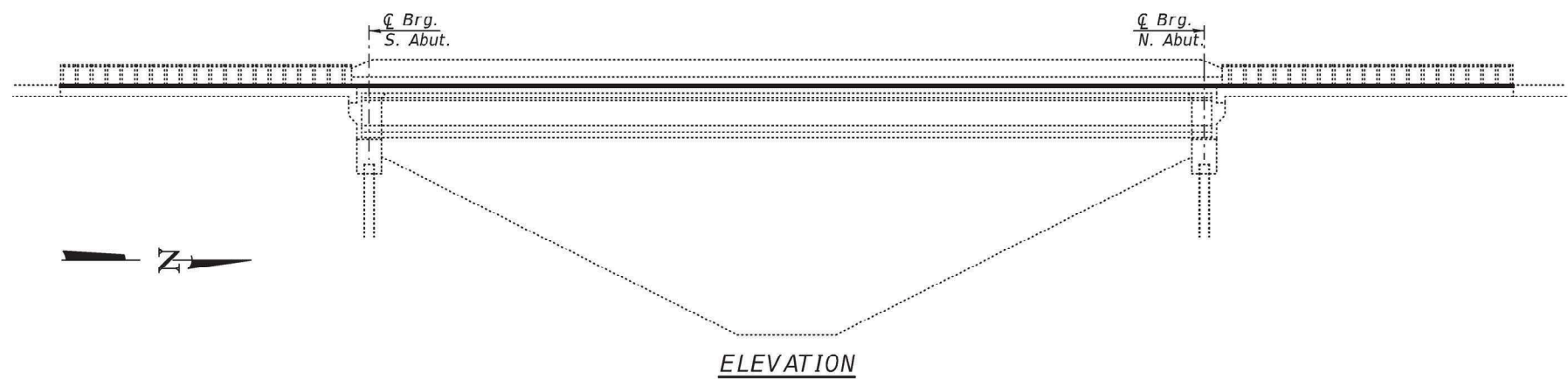
USER NAME = Vonachenjc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 80,0001' / in.	CHECKED -	REVISED -
PLOT DATE = 3/23/2022	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 67 / IL 110 PLAN VIEW**  
**SN 055-0031 & SN 055-0032**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BR	McDONOUGH	40	13
CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				



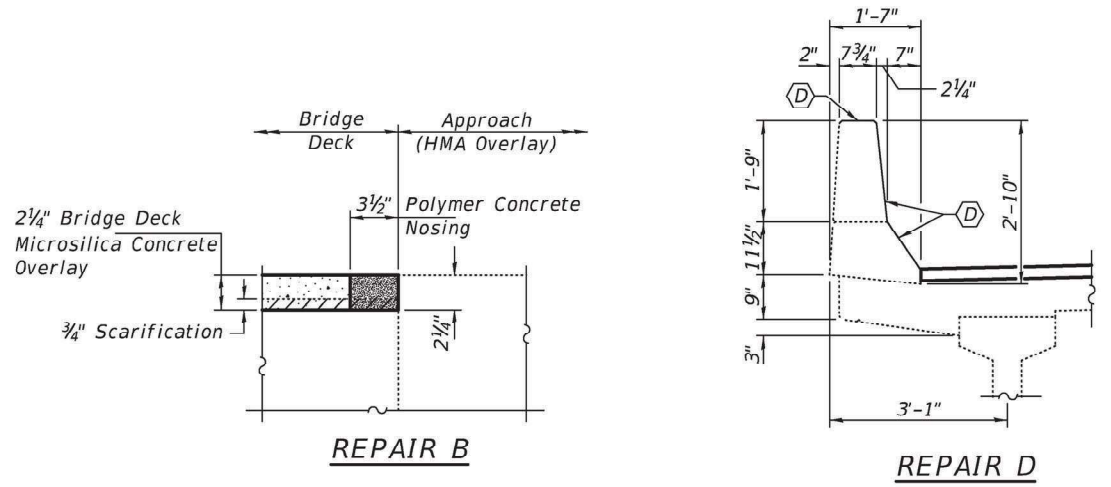
ELEVATION

**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.

Synthetic fibers shall be added to the bridge deck microsilica concrete overlay. See Special provisions.

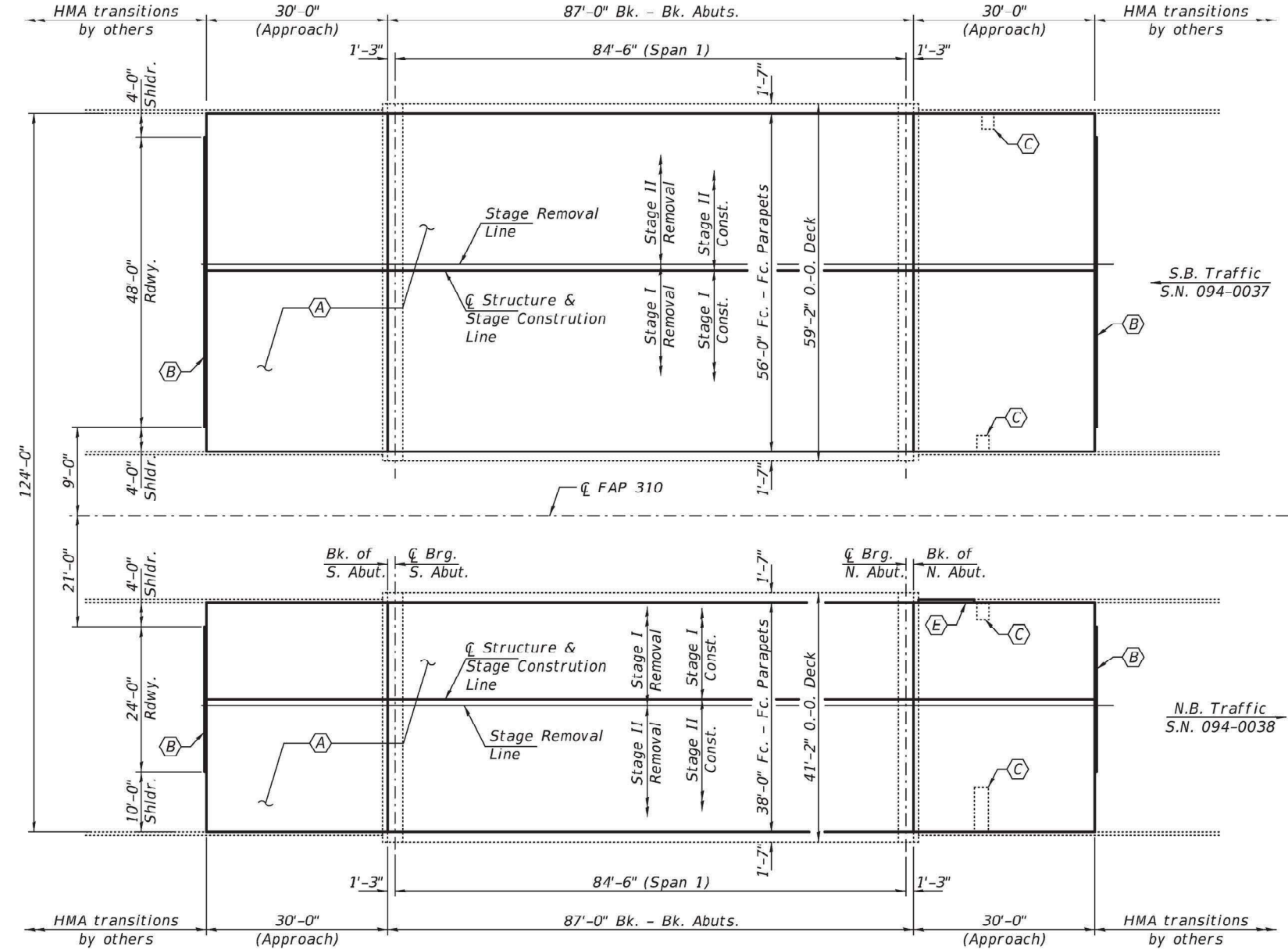
Remove the Drainage Inlets and their Pipes and fill them with riprap and cover it with Concrete.



REPAIR B

REPAIR D

- (A) - Bridge Deck Scarification 3/4" and 2 1/4" Microsilica Concrete Overlay.
- (B) - Polymer Concrete Nosing (See Repair B).
- (C) - Remove the Drainage Scuppers and fill it with Riprap. (See Roadway Plans)
- (D) - Apply surface filler and protective coat to the parapets. See Special Provisions.
- (E) - Add Curb at North Abutment of 094-0038.

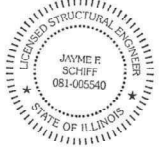


PLAN

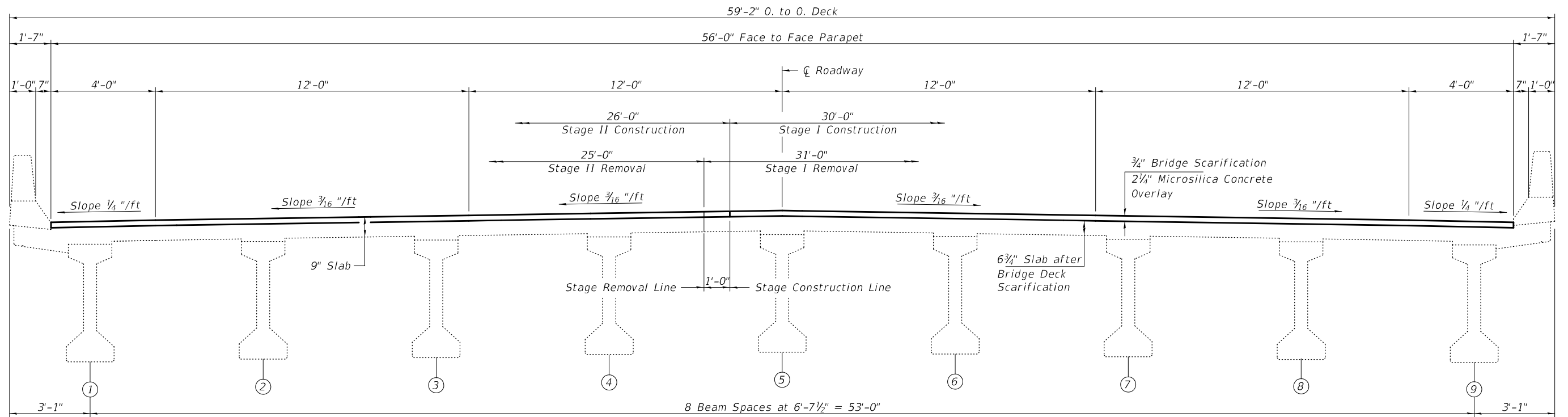
**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Bridge Deck Microsilica Concrete Overlay, 2 1/4"	Sq. Yd.	1537
Bridge Deck Scarification, 3/4"	Sq. Yd.	1537
* Protective Coat	Sq. Yd.	1537
Bridge Deck Grooving	Sq. Yd.	1176
Polymer Concrete	Cu. Ft.	6.0
Protective Coat (Special)	Sq. Yd.	6.6
Surface Filler (Special)	Gallon	2

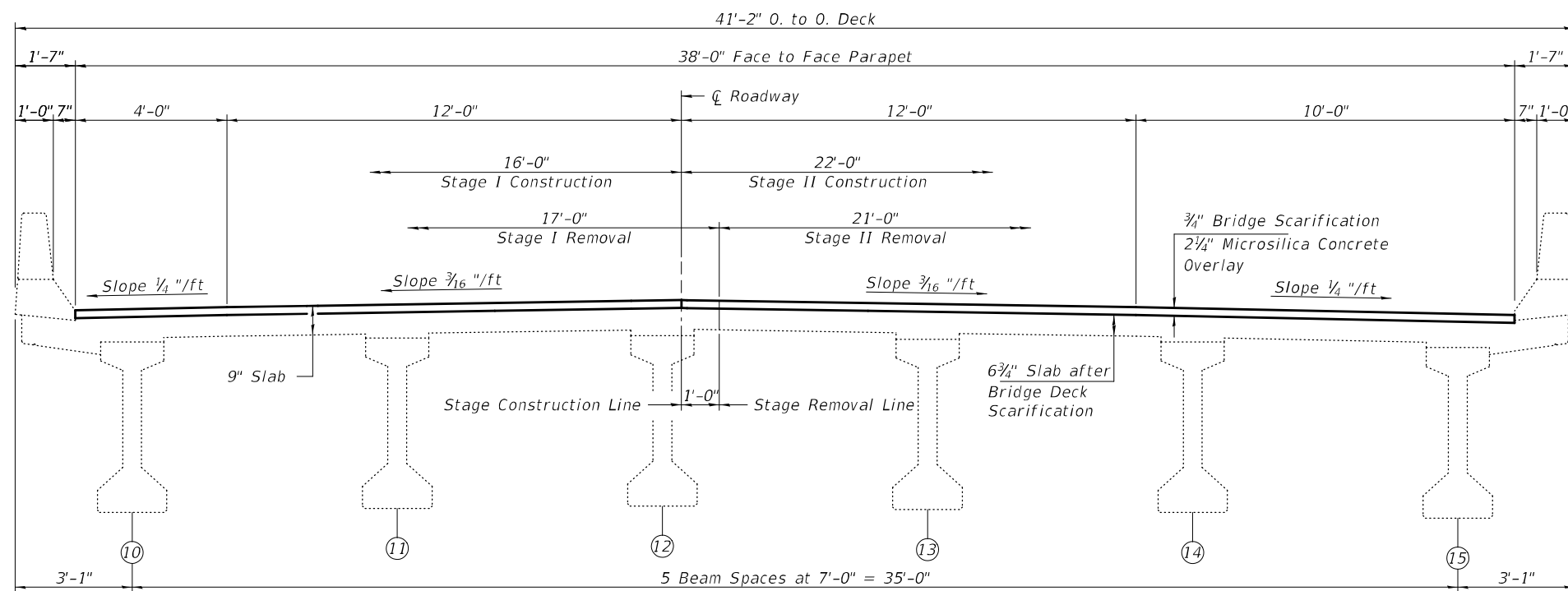
\* Applied on New Concrete Overlay Only



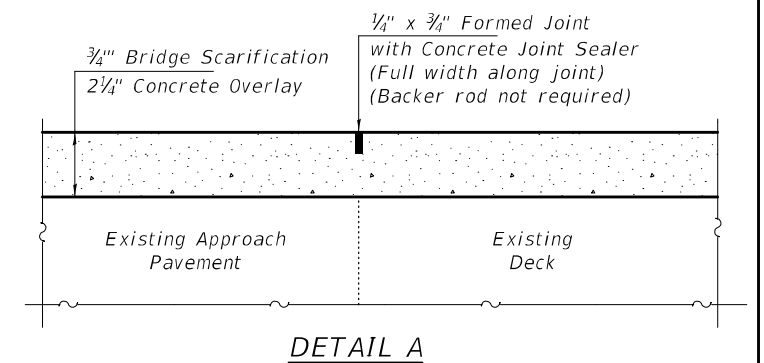
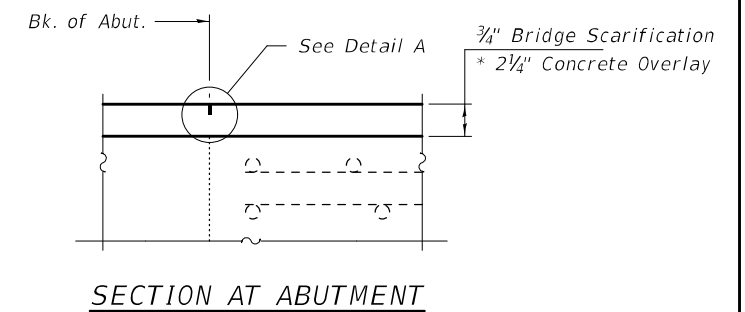
EXPIRES 11-30-2022



**SN 094-0037 (SB) CROSS SECTION**  
(Looking North)



**SN 094-0038 (NB) CROSS SECTION**  
(Looking North)



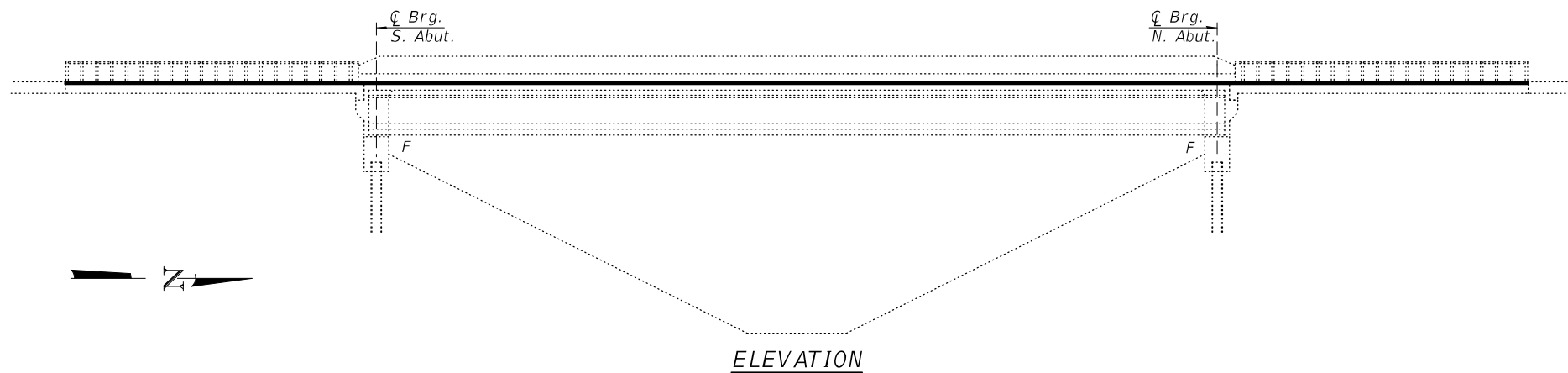
DESIGNED - VHV	EXAMINED - <i>Timothy A. [Signature]</i>	DATE - MAY 11, 2022	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS &amp; STAGING DETAILS SN 094 - 0037 (SB) &amp; 0038 (NB)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - JSB	ENGINEER OF STRUCTURAL SERVICES	REVISER -			0310	[(35,36)B-1;(37B-1)BR-1]BRR	WARREN	40	15	
DRAWN - Venkat Ramana Reddy V	PASSED - <i>James F. [Signature]</i>	REVISER -			CONTRACT NO. 68G43					
CHECKED - VHV JSB	ENGINEER OF BRIDGES AND STRUCTURES				ILLINOIS FED. AID PROJECT					

**GENERAL NOTES**

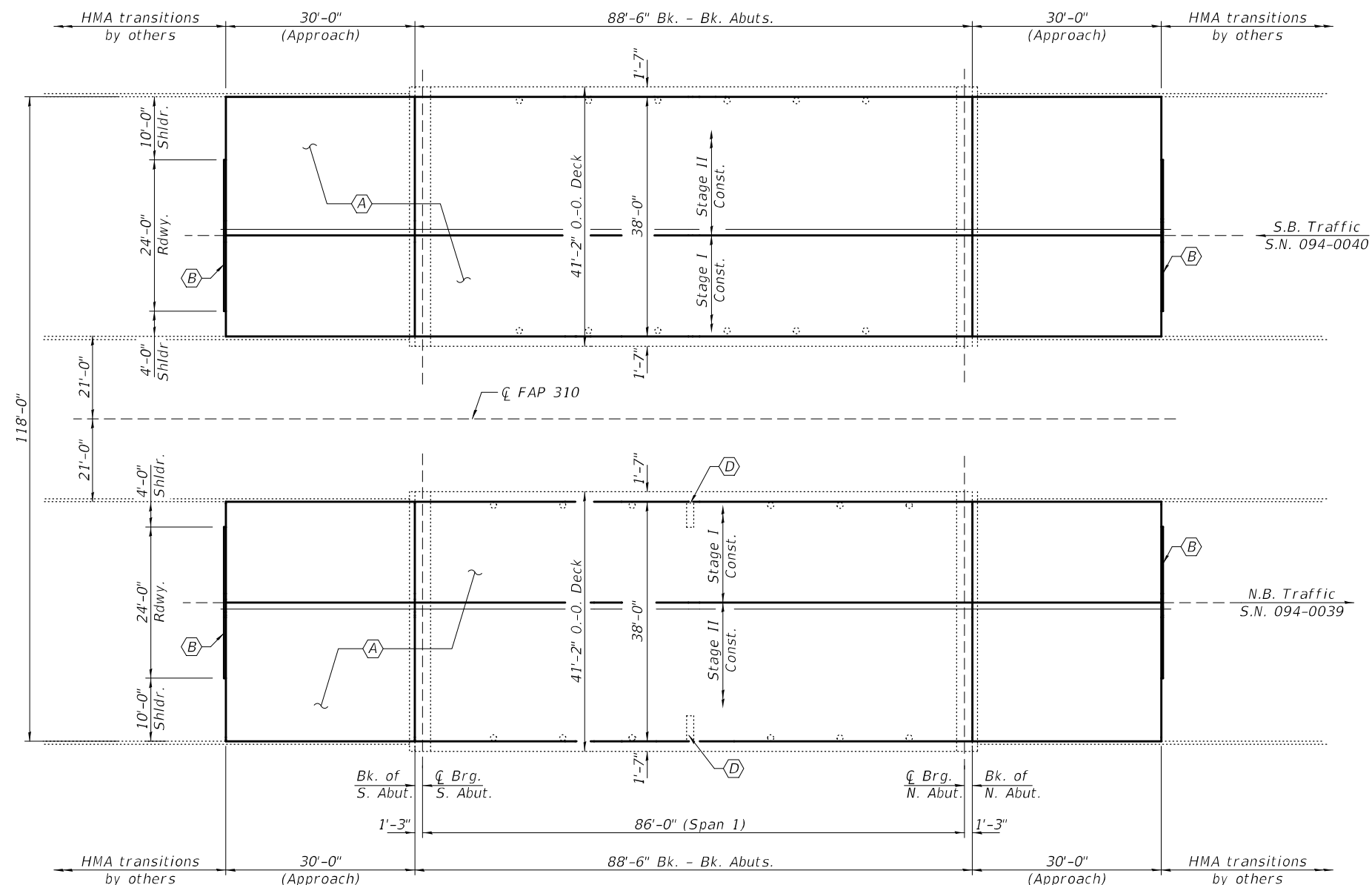
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall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

Synthetic fibers shall be added to the bridge deck microsilica concrete overlay.

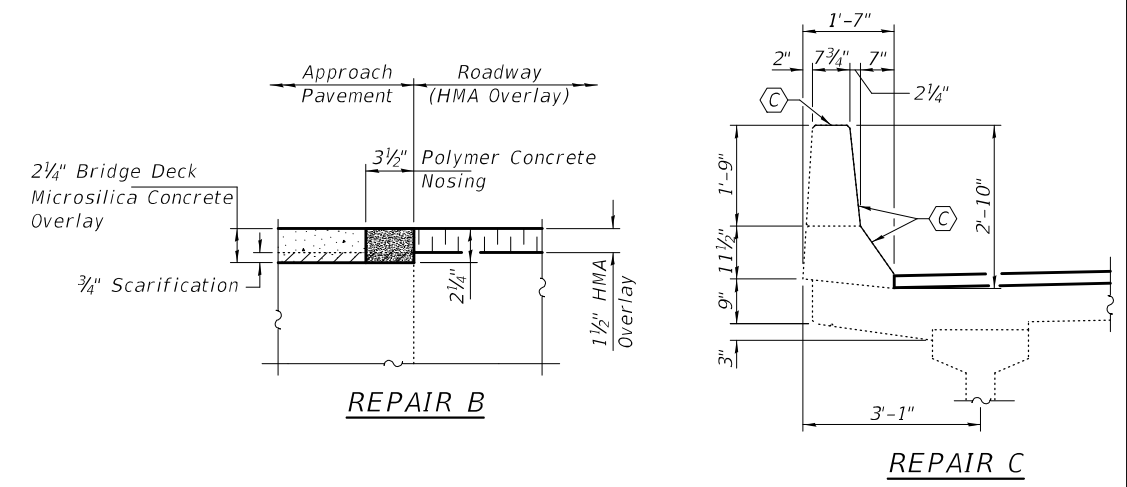
Remove the Drainage Inlets and their Pipes and fill them with riprap and cover it with Concrete.



**ELEVATION**

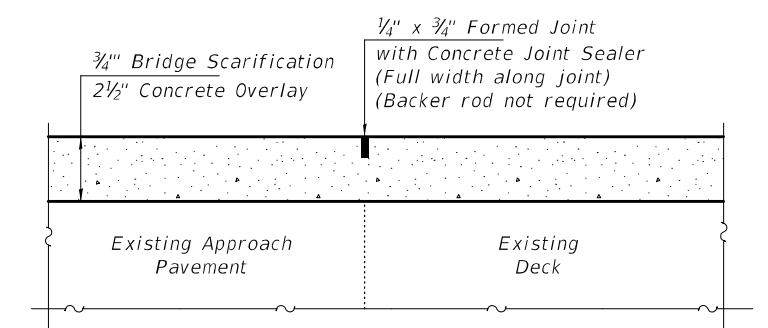


**PLAN**

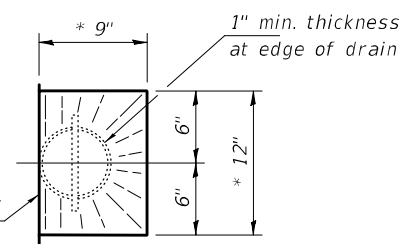


**REPAIR B**

**REPAIR C**



**DETAIL A**



**DRAIN DETAIL**

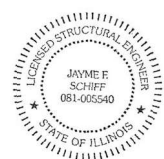
\* slope to drain

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Bridge Deck Microsilica Concrete Overlay, 2 1/4"	Sq. Yd.	1254
Bridge Deck Scarification, 3/4"	Sq. Yd.	1254
Protective Coat	Sq. Yd.	1254
Bridge Deck Grooving	Sq. Yd.	1188
Polymer Concrete	Cu. Ft.	6.0
Protective Coat (Special)	Sq. Yd.	6.7
Surface Filler (Special)	Gallon	2
Drainage Scuppers to be Adjusted	Each	2

\* Applied on New Concrete Overlay Only

- (A) - Bridge Deck Scarification 3/4" and 2 1/4" Microsilica Concrete Overlay.
- (B) - Polymer Concrete Nosing (See Repair B).
- (C) - Apply surface filler and protective coat to the parapets. See Special Provisions.
- (D) - Scupper Adjustment.



EXPIRES 11-30-2022

DESIGNED - Victor H. Veliz	EXAMINED - <i>Twigg A. Deet</i>	DATE - MAY 11, 2022
CHECKED - Jeffrey Burke	PASSED - <i>Jayme F. Schuff</i>	REVISD -
DRAWN - Venkat Ramana Reddy V	ENGINEER OF BRIDGES AND STRUCTURES	REVISD -
CHECKED - VHV JSB		

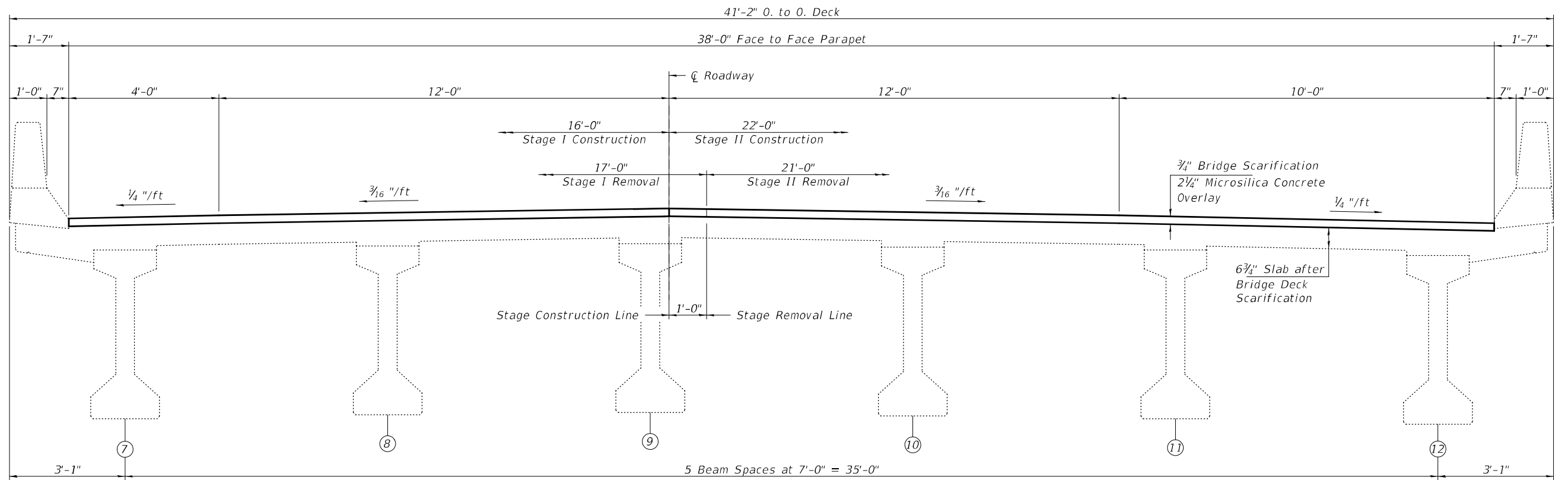
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION  
US 67 OVER SWAN CREEK  
SN 094 - 0039 (NB) & 0040 (SB)**

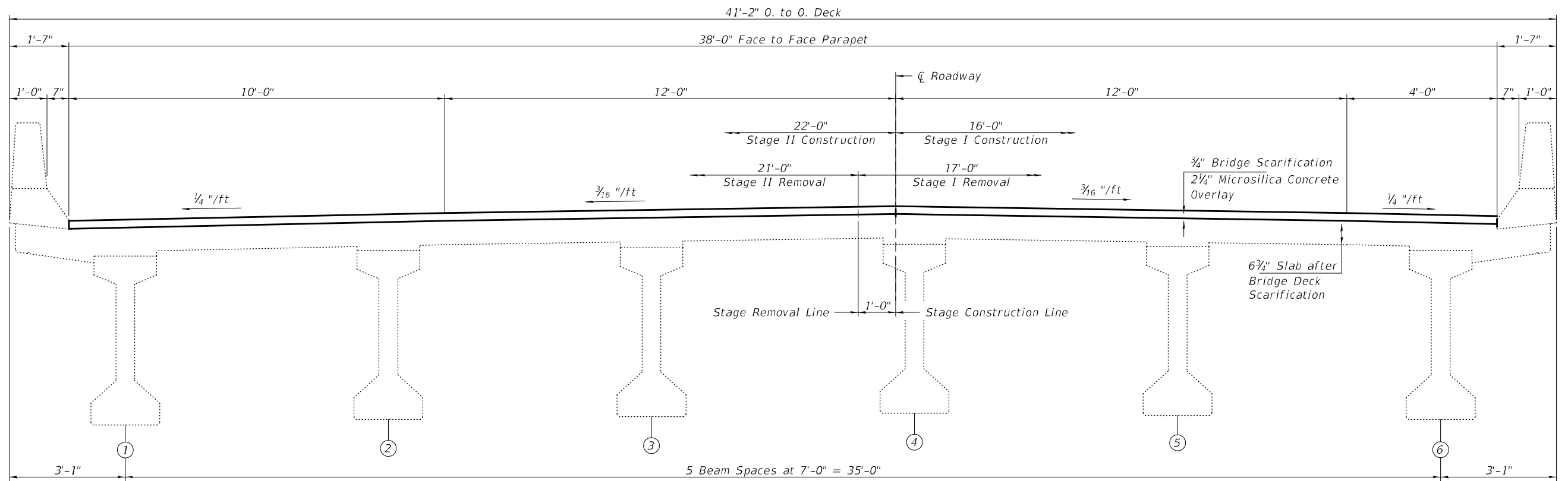
SHEET NO. 1 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0310	[(35,36)B-1;(37B-1)BR-1]BRR	WARREN	40	16
CONTRACT NO. 68G43			ILLINOIS FED. AID PROJECT	







**SN 094-0039 (NB) CROSS SECTION**  
(Looking North)



**SN 094-0040 (SB) CROSS SECTION**  
(Looking North)

DESIGNED - VHV  
CHECKED - JSB  
DRAWN - Venkat Ramana Reddy V  
CHECKED - VHV JSB

EXAMINED  
PASSED  
  
  
 ENGINEER OF STRUCTURAL SERVICES  
 ENGINEER OF BRIDGES AND STRUCTURES

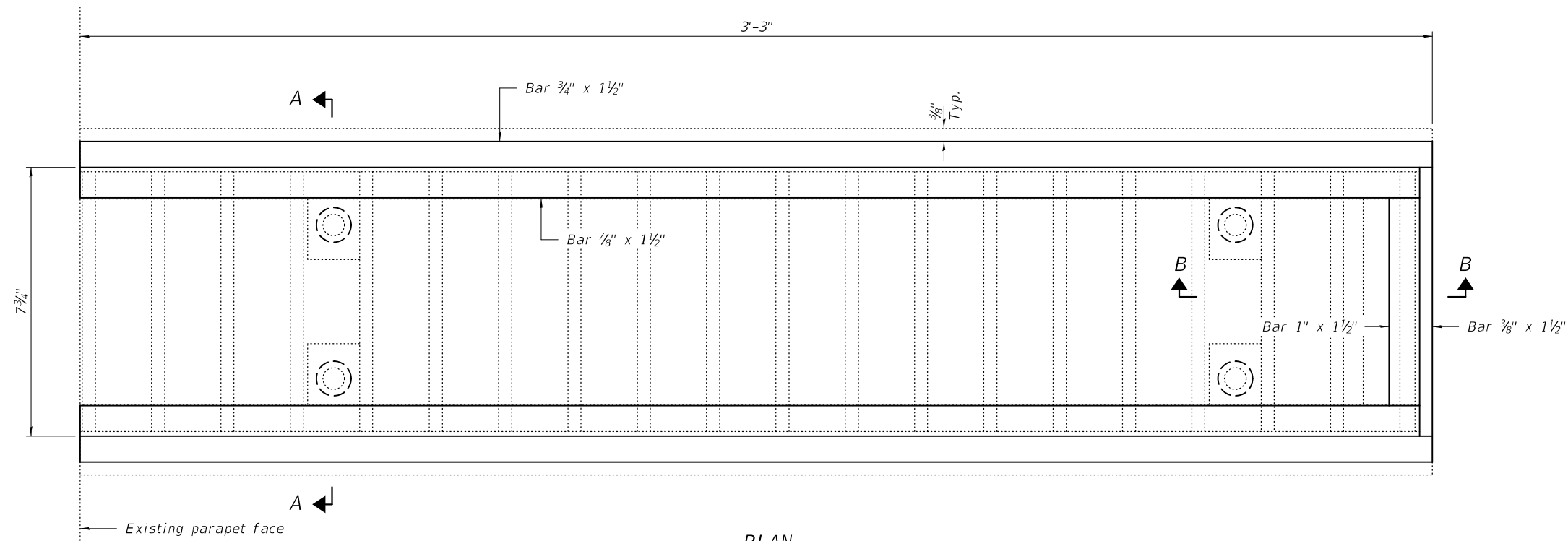
DATE - MAY 11, 2022  
REVISED -  
REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

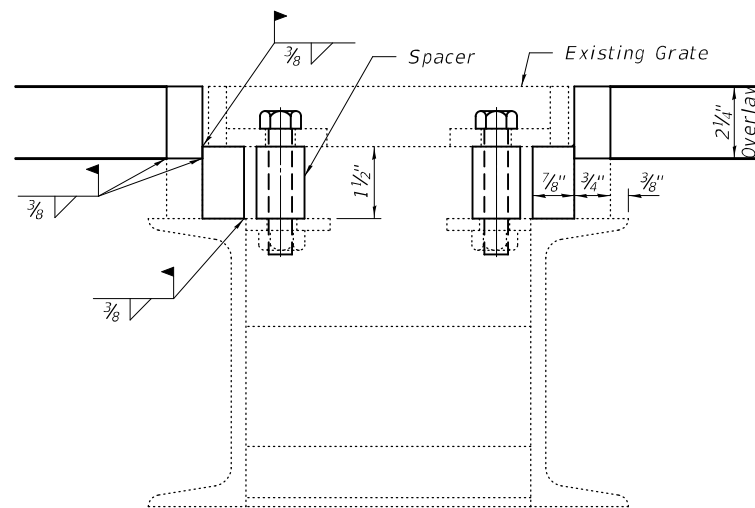
**CROSS SECTIONS & STAGING DETAILS**  
**SN 094 - 0039 (NB) & 0040 (SB)**

SHEET NO. 2 OF 5 SHEETS

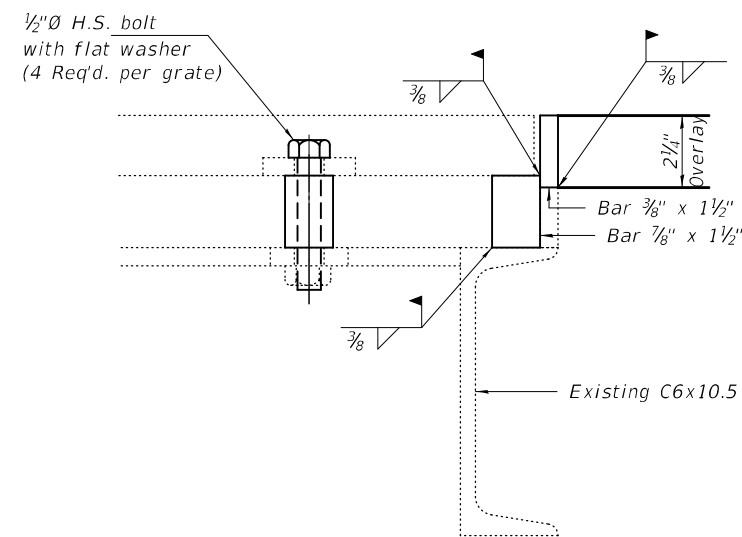
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0310	[(35.36)B-1;(37B-1)BR-1]BR	WARREN	40	17
CONTRACT NO. 68G43				
ILLINOIS		FED. AID PROJECT		



PLAN



SECTION A-A



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Drainage Scupper to be Adjusted	Each	2

DESIGNED - VHV	EXAMINED - <i>Timothy A. Daulton</i>	DATE - MAY 11, 2022
CHECKED - JSB	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Ramana Reddy V	PASSED - <i>Carl Rieger</i>	REVISED -
CHECKED - VHV JSB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

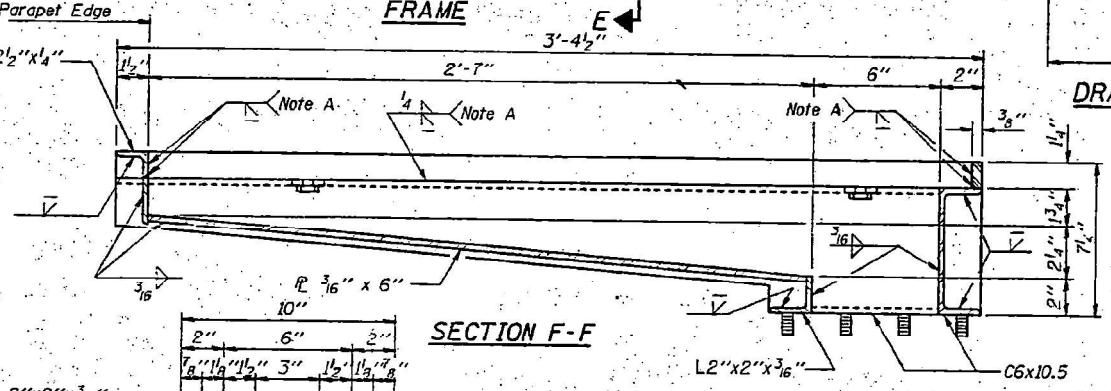
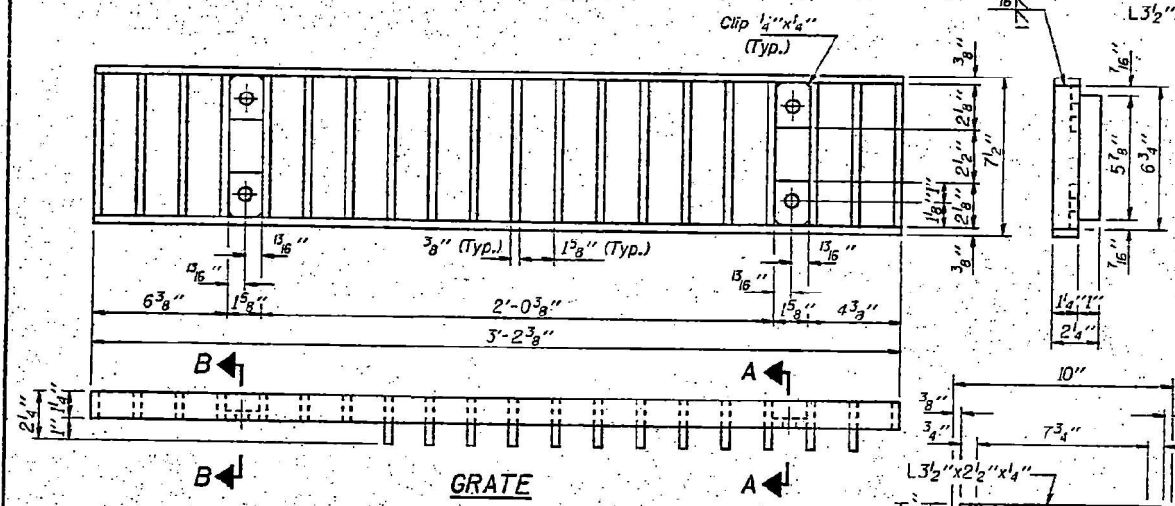
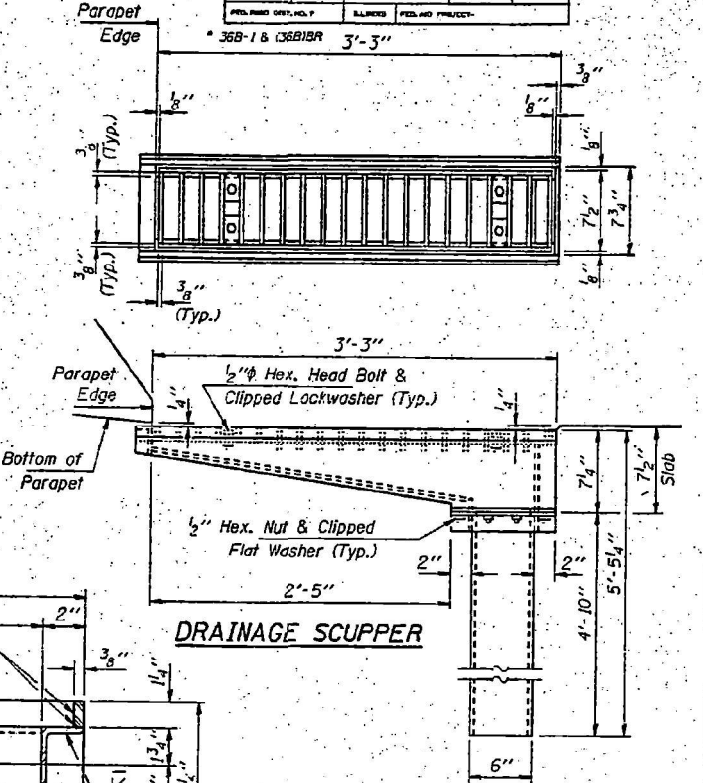
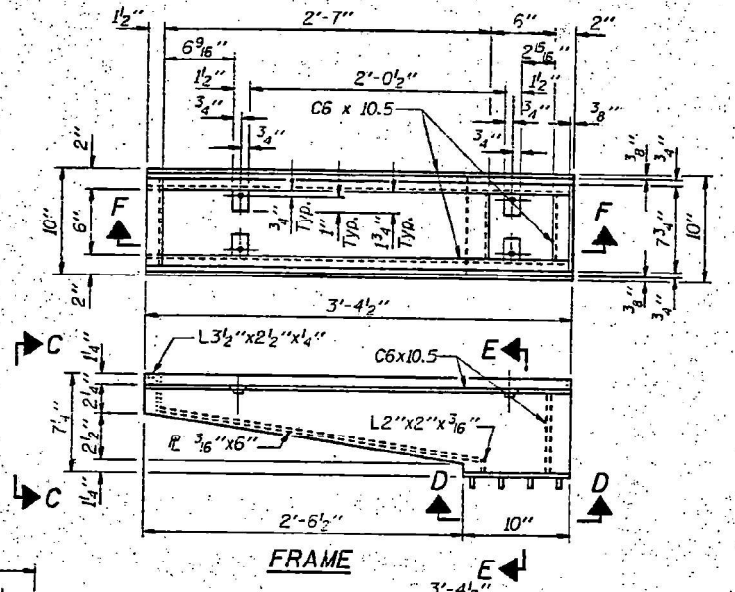
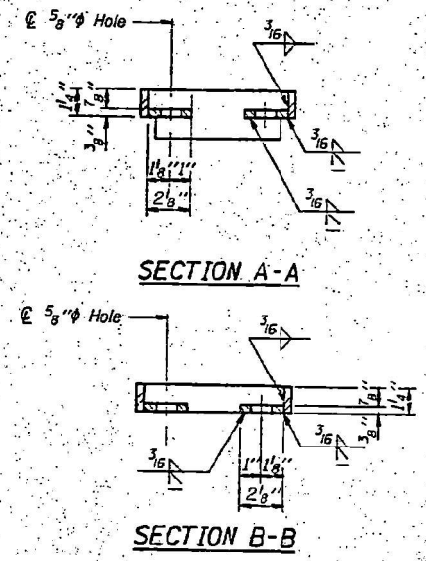
SCUPPER ADJUSTMENT  
SN 094 - 0039 (NB) & 0040 (SB)

SHEET NO. 3 OF 5 SHEETS

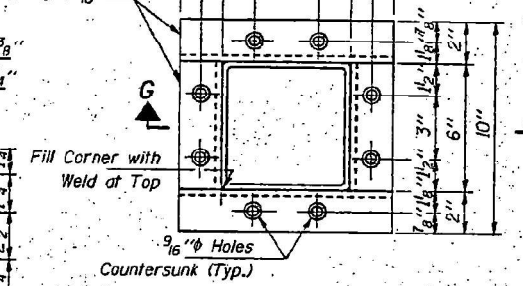
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0310	[(35.36)B-1;(37B-1)BR-1]BRR	WARREN	40	18
CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				

SHEET NO. 11  
OF 13 SHEETS

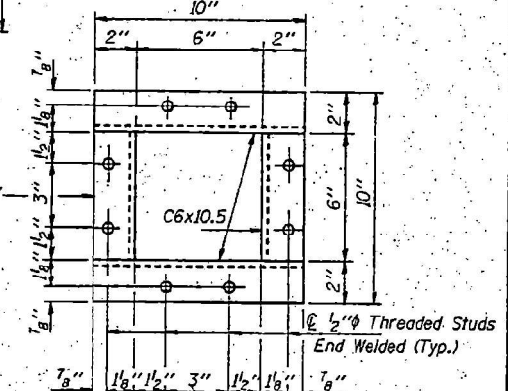
ROUTE NO.	SECTION	COUNTY	SHEET	TOTAL SHEETS
FA 310		WARREN	106	106
PROJECT NO.	ILLINOIS PROJECT			
36B-1 & (36B)BR	3-3"			



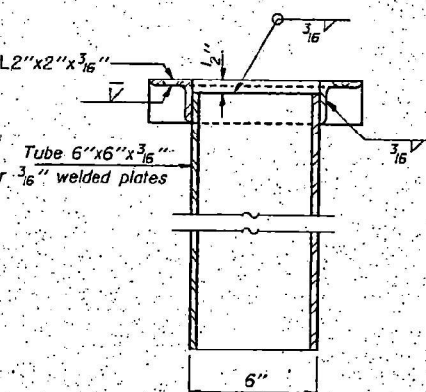
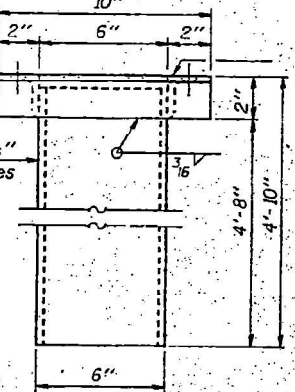
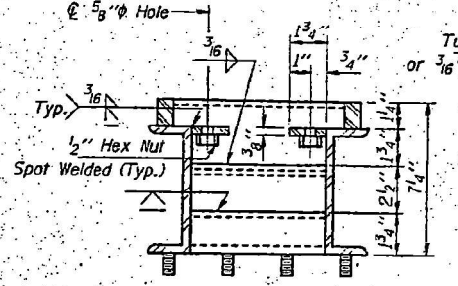
**Notes:** Hollow structural steel tubing shall conform to the requirements of ASTM designation A500 Grade B, or A501 Structural Steel Tubing.  
All other shapes, plates and bars shall conform to the requirements of AASHTO M270 Grade 36.  
Bolts, studs, washers and nuts shall conform to the requirements of ASTM A307.  
The Grate, Frame and Downspout shall be galvanized after shop fabrication in accordance with AASHTO M111 & ASTM A305.  
All bolts, washers and nuts shall be galvanized in accordance with AASHTO M232.  
Cost of the Grate, Frame, Downspout, Bolts, Washers and Nuts including complete installation of Scupper will be paid for at the unit bid price each for "DRAINAGE SCUPPERS."



**Note A:** Surface of welds shall be recessed 1/16" Max. or placed flush with inside face of bars to provide clearance for Grate.



**FOR INFORMATION ONLY**



**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Drainage Scupper	Each	2

DS-3 7-1-94 (N.T. to inside of exterior stringer flange shall not be >3'-11")

(Sheet 1 of 2)  
**STEEL DRAINAGE SCUPPER**

REVISIONS			DRAWN BY DATE	
1	DATE	DESCRIPTION	K. K.	6-10
2			CHIEF ENGINEER	6-10
3			DATE	8-20
4			BOOK NUMBER	
5			PROJECT NO.	3532-4
6			SHEET NO.	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

F A RTE 310 (U S RTE 67) SEC. 36B-1 & (36B)BR  
WARREN STR. 094-0039 & 0040 COUNTY

**HOMER L. CHASTAIN & ASSOCIATES**  
CONSULTING ENGINEERS  
DECATUR, ILLINOIS

DESIGNED - VHV	EXAMINED - [Signature]
CHECKED - JSB	PASSED - [Signature]
DRAWN - Venkat Ramana Reddy V	
CHECKED - VHV JSB	

DATE - MAY 11, 2022  
REVISIONS - [None]

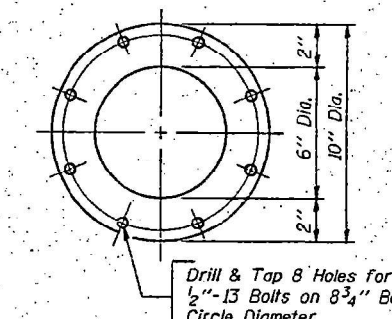
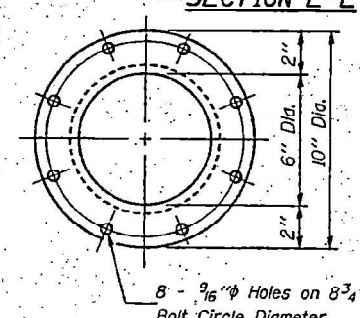
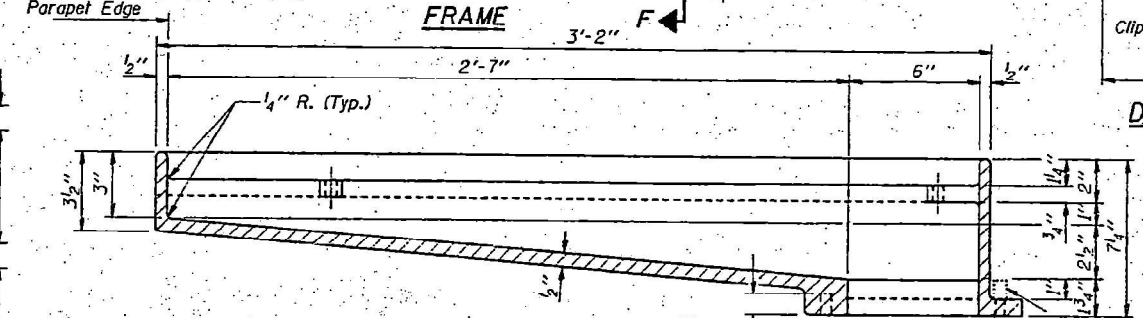
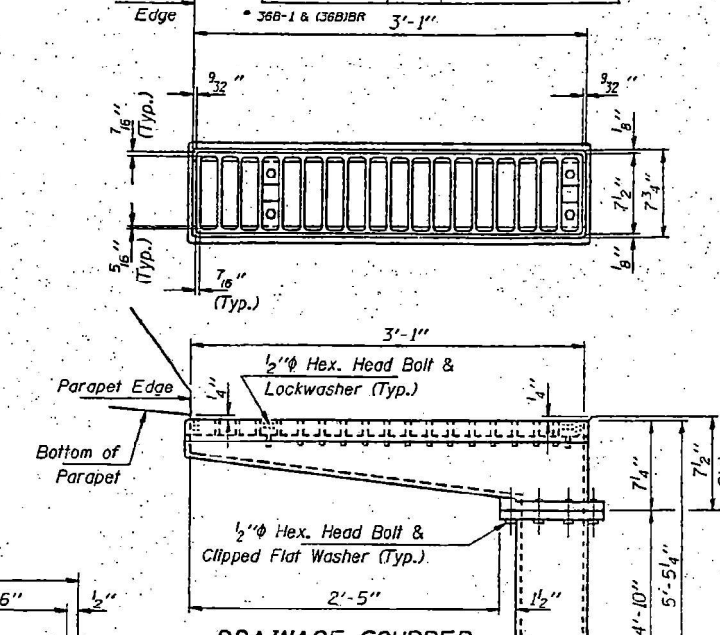
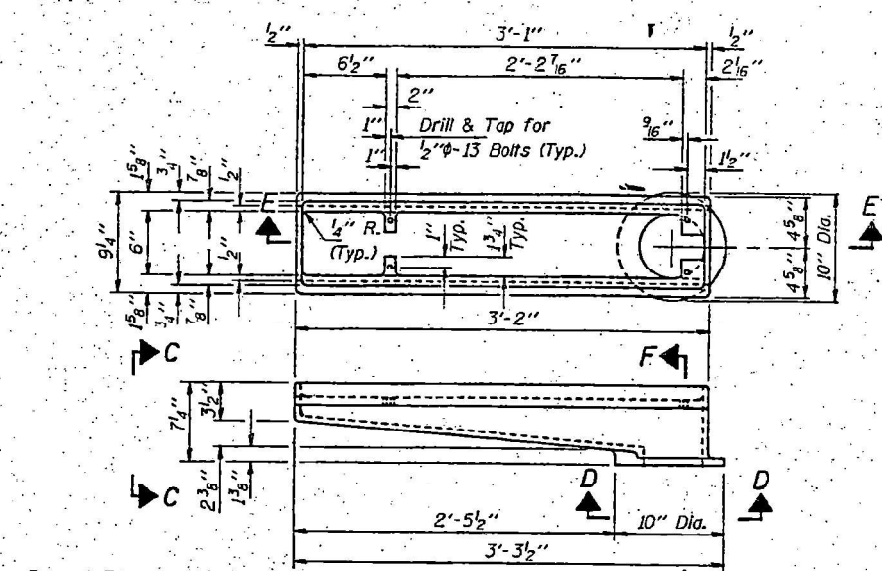
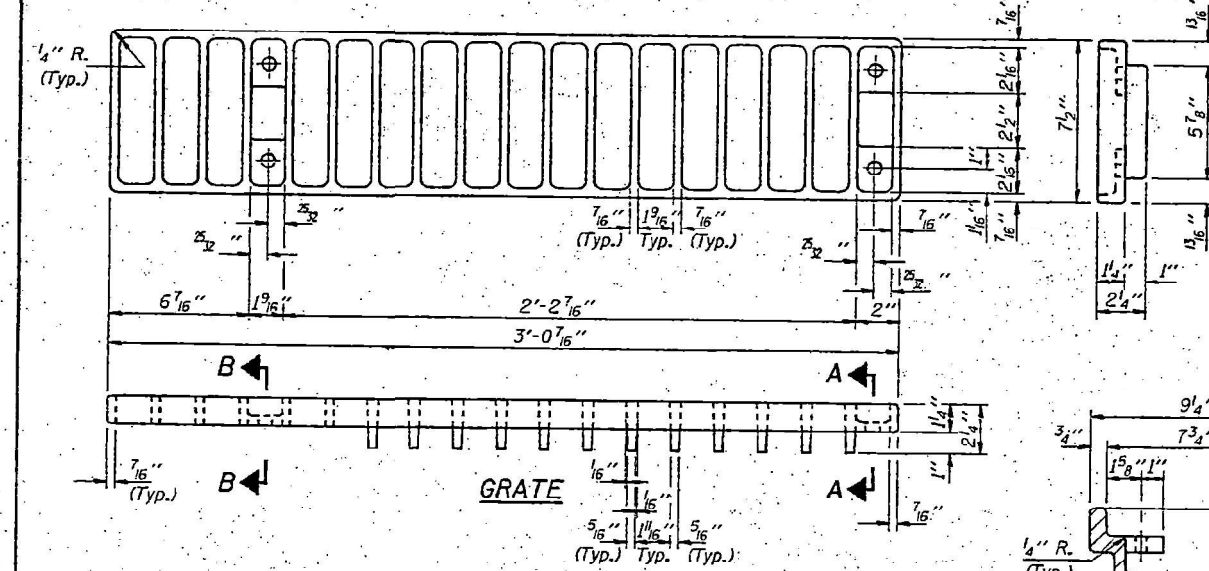
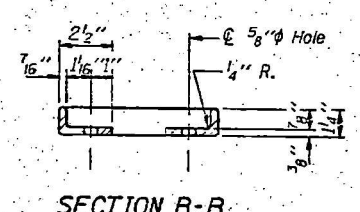
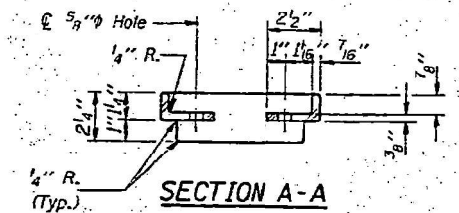
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN SHEET - FOR INFORMATION ONLY  
SN 094 - 0039 (NB) & 0040 (SB)

SHEET NO. 4 OF 5 SHEETS

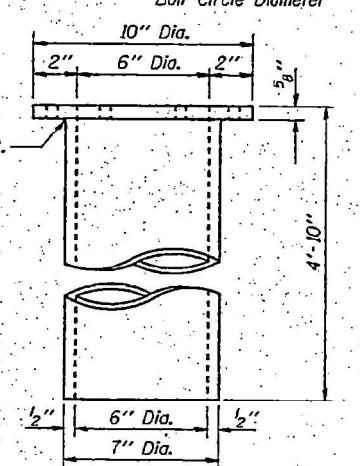
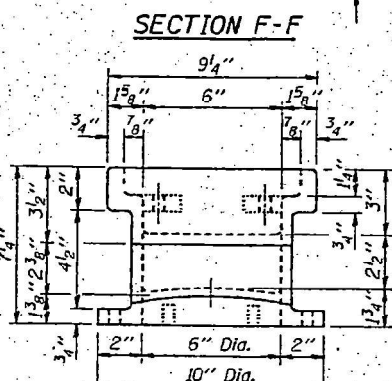
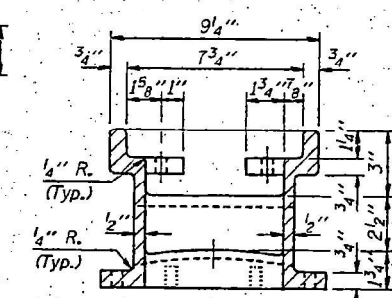
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0310	((35.36)B-1; (37B-1)BR-1)BR	WARREN	40	19
			CONTRACT NO. 68G43	

ILLINOIS FED. AID PROJECT



**FOR INFORMATION ONLY**

Notes: All cast iron parts shall be gray iron conforming to the requirements of AASHTO M105, Class 30.  
Bolts and washers shall conform to the requirements of ASTM A307.  
All bolts and washers shall be galvanized in accordance with AASHTO M232.  
As an alternate bolts and washers may be stainless steel conforming to the requirements of ASTM A193, Type 304.  
Cost of the Grate, Frame, Downspout, bolts and washers including complete installation of Scupper will be paid for at the unit bid price each for "DRAINAGE SCUPPERS."  
The Contractor may use at his option steel drainage scuppers or cast iron drainage scuppers.



(Sheet 2 of 2)  
**ALTERNATE - CAST IRON DRAINAGE SCUPPER**

REVISIONS		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS		DRAWN BY DATE	
NO.	DATE	INITIALS		R. K. Kim	6-10
1				CHECKED BY DATE	5/12 2-12
2				BOOK NUMBER	
3				PROJECT NO.	3532-4
4				SHEET NO.	

DS-4 2-26-93 (W.T. to inside of exterior stringer flange shall not be >3'-11")

DESIGNED - VHV	EXAMINED - <i>Timothy A. Dredt</i>	DATE - MAY 11, 2022
CHECKED - JSB	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Ramana Reddy V	PASSED - <i>Carl R. Ringer</i>	REVISED -
CHECKED - VHV JSB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

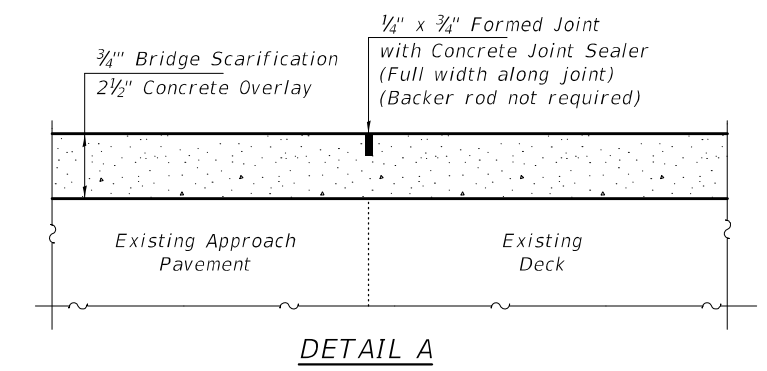
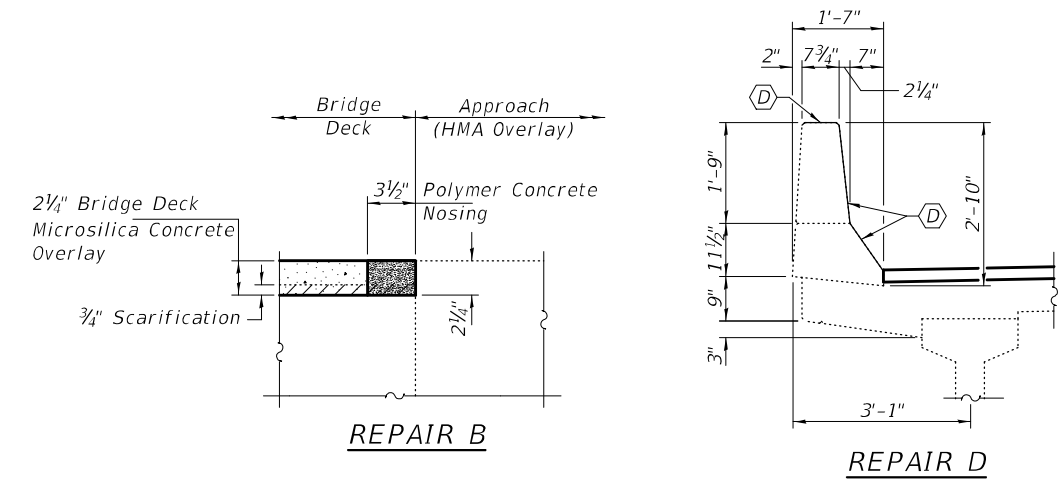
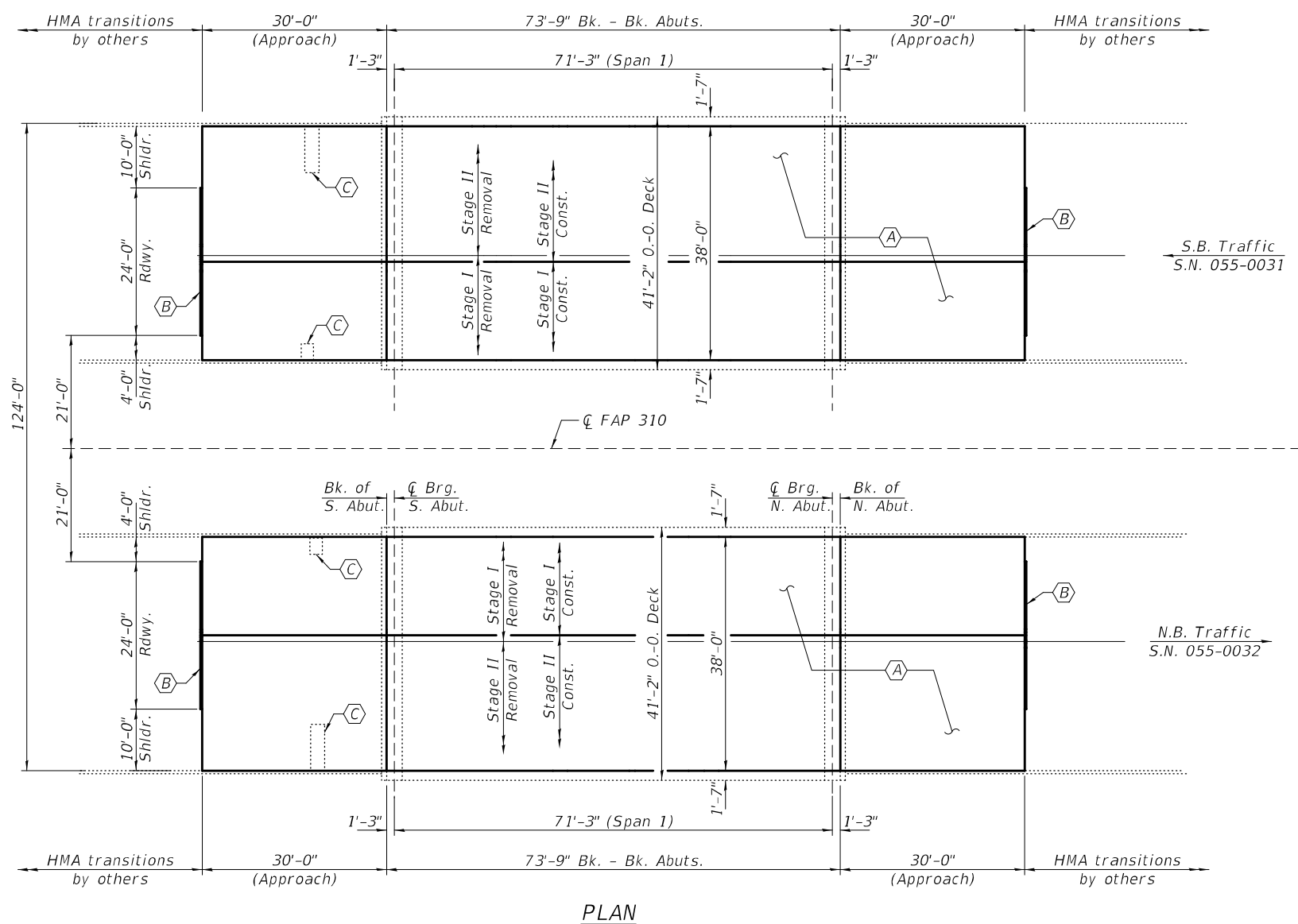
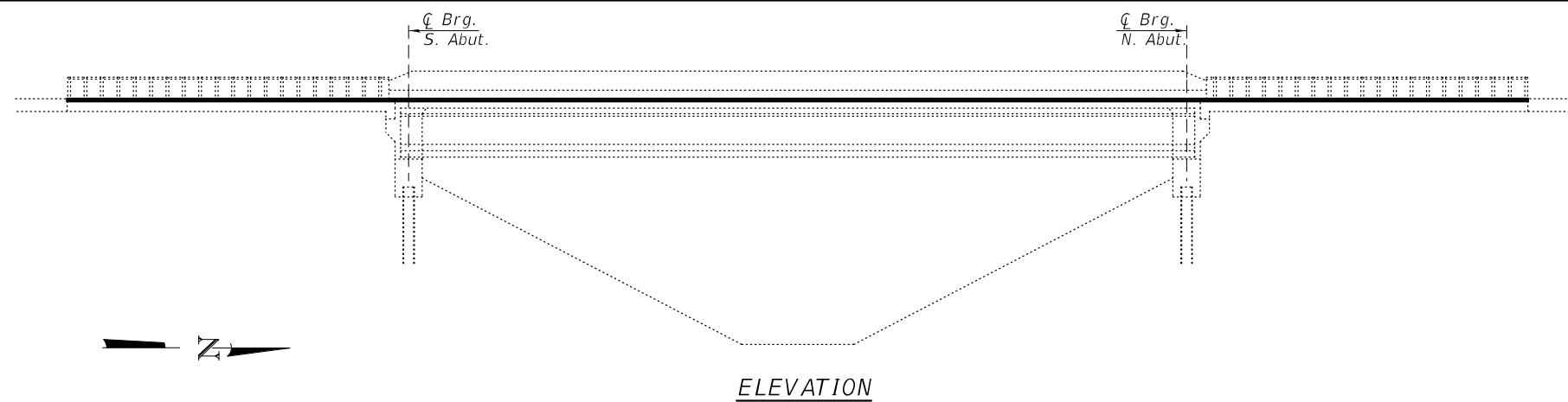
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING PLAN SHEET - FOR INFORMATION ONLY  
SN 094 - 0039 (NB) & 0040 (SB)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0310	[(35.36)B-1;(37B-1)BR-1]BR	WARREN	40	20
CONTRACT NO. 68G43				
ILLINOIS FED. RD PROJECT				

**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. Synthetic fibers shall be added to the bridge deck microsilica concrete overlay. Remove the Drainage Inlets and their Pipes and fill them with riprap and cover it with Concrete.



**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Bridge Deck Microsilica Concrete Overlay, 2 1/4"	Sq. Yd.	1130
Bridge Deck Scarification, 3/4"	Sq. Yd.	1130
* Protective Coat	Sq. Yd.	1130
Bridge Deck Grooving	Sq. Yd.	1070
Polymer Concrete	Cu. Ft.	6.0
Protective Coat (Special)	Sq. Yd.	5.6
Surface Filler (Special)	Gallon	2

\* Applied on New Concrete Overlay Only



- (A) - Bridge Deck Scarification 3/4" and 2 1/4" Microsilica Concrete Overlay.
- (B) - Polymer Concrete Nosing (See Repair B).
- (C) - Remove the Drainage Inlets and fill it with Riprap. (See Roadway Plans)
- (D) - Apply surface filler and protective coat to the parapets. See Special Provisions.

EXPIRES 11-30-2022

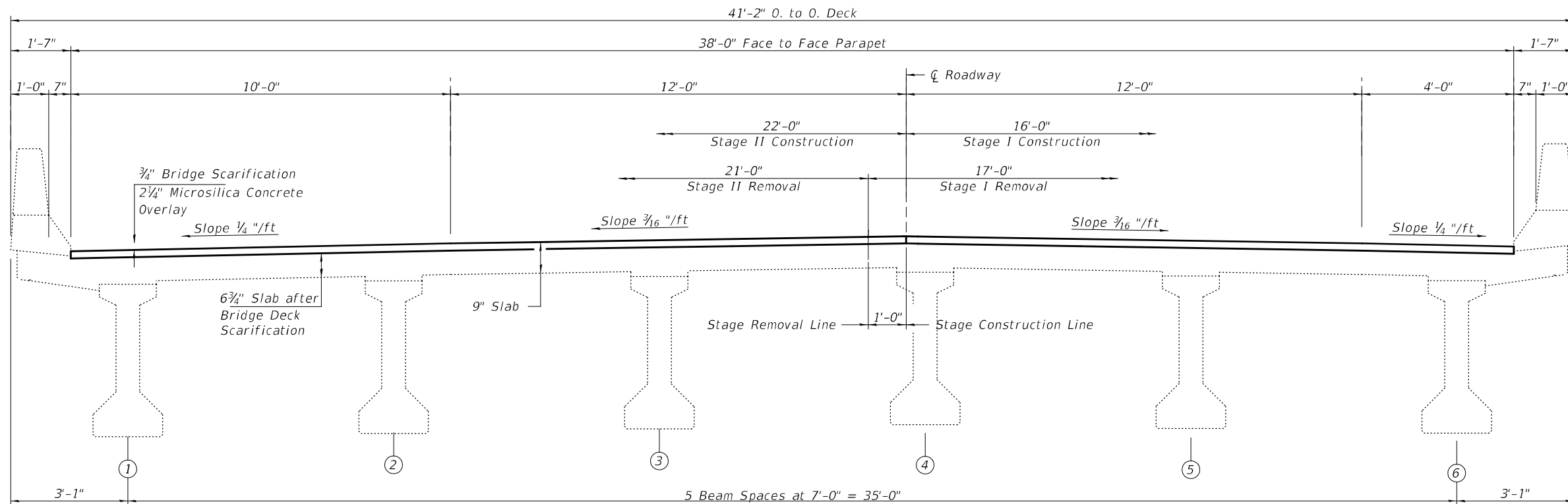
DESIGNED - Victor H. Veliz	EXAMINED - <i>Trig A. Holt</i>	DATE - MAY 11, 2022
CHECKED - Jeffrey Burke	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Ramana Reddy V	PASSED - <i>Jayme F. Schiff</i>	REVISED -
CHECKED - VHV JSB	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

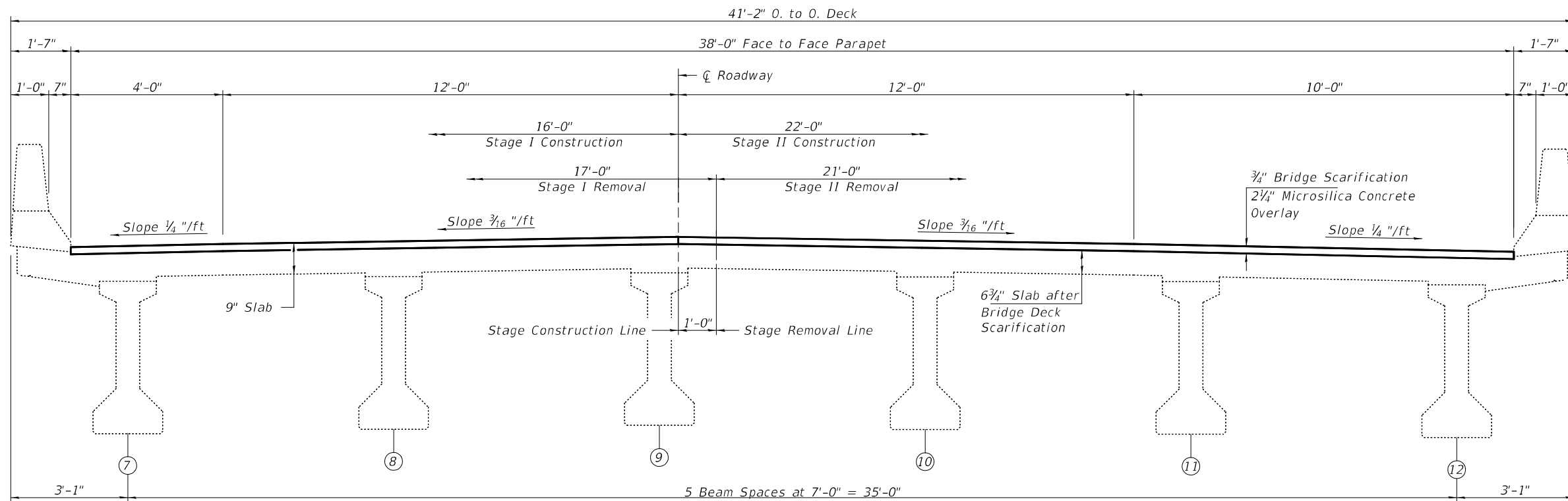
**GENERAL PLAN AND ELEVATION  
US 67 OVER E FORK CROOKED CREEK  
SN 055 - 0031 (SB) & 0032 (NB)**

SHEET NO. 1 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0310	[(35,36)B-1;(37B-1)BR-1]BRR	MCDONOUGH	40	21
CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				



**SN 055-0031 (SB) CROSS SECTION**  
(Looking North)



**SN 055-0032 (NB) CROSS SECTION**  
(Looking North)

DESIGNED - VHV  
CHECKED - JSB  
DRAWN - Venkat Ramana Reddy V  
CHECKED - VHV JSB

EXAMINED  
PASSED  
ENGINEER OF STRUCTURAL SERVICES  
ENGINEER OF BRIDGES AND STRUCTURES

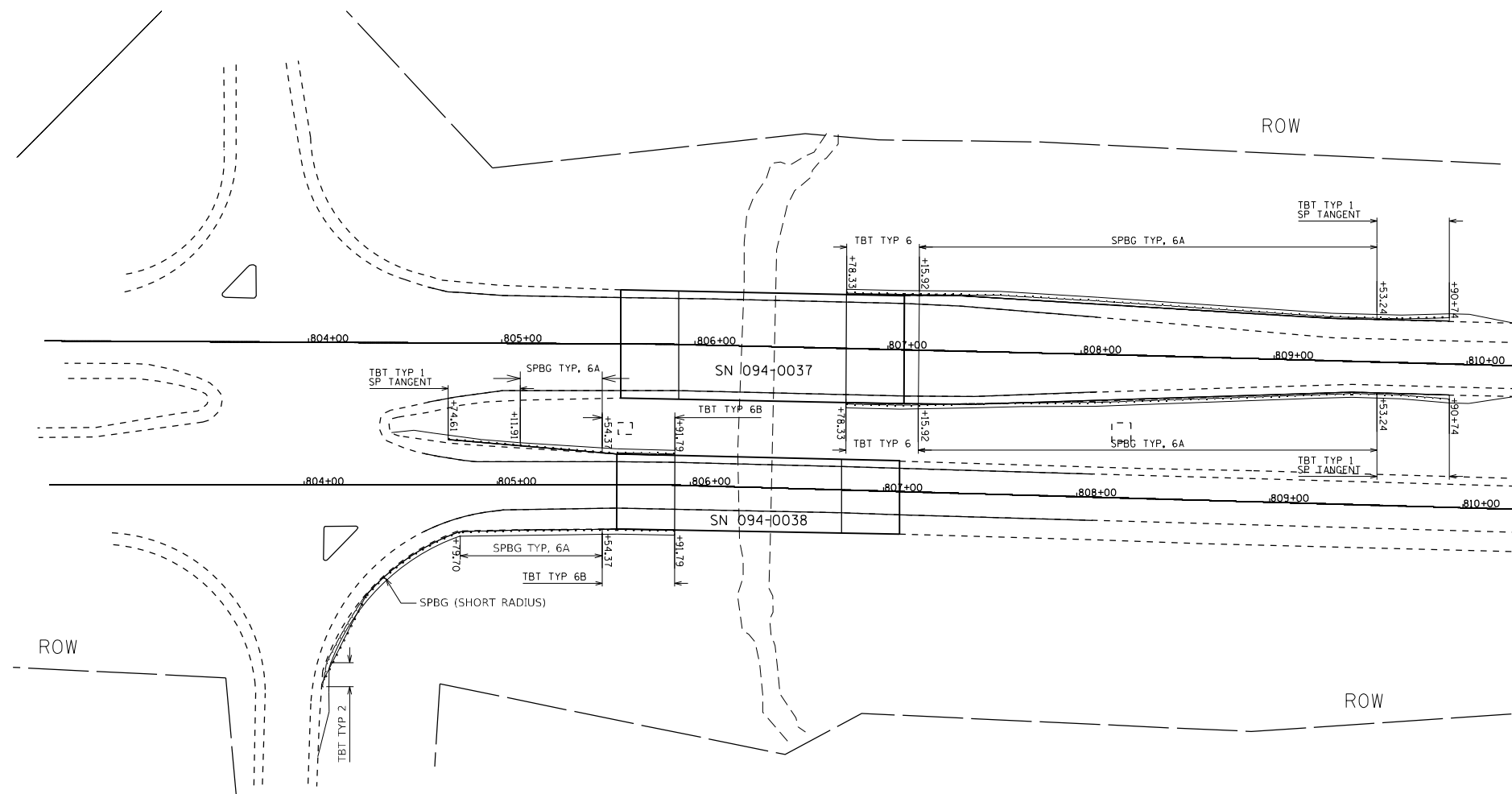
DATE - MAY 11, 2022  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS & STAGING DETAILS  
SN 055 - 0031 (SB) & 0032 (NB)

SHEET NO. 2 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0310	[(35.36)B-1;(37B-1)BR-1]BRR	MCDONOUGH	40	22
CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				



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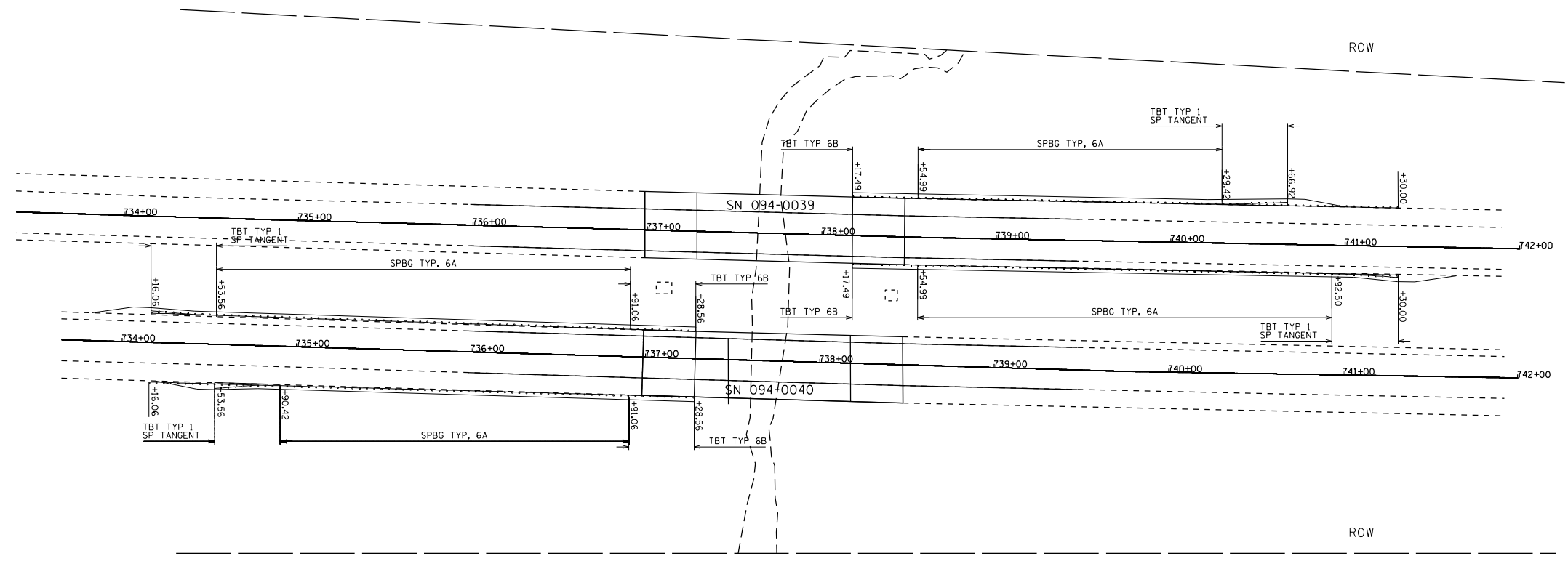
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 67 / IL 110 PROPOSED GUARDRAIL DETAILS**  
**SN 094-0037 & SN 094-0038**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BRR	WARREN	40	23
CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				



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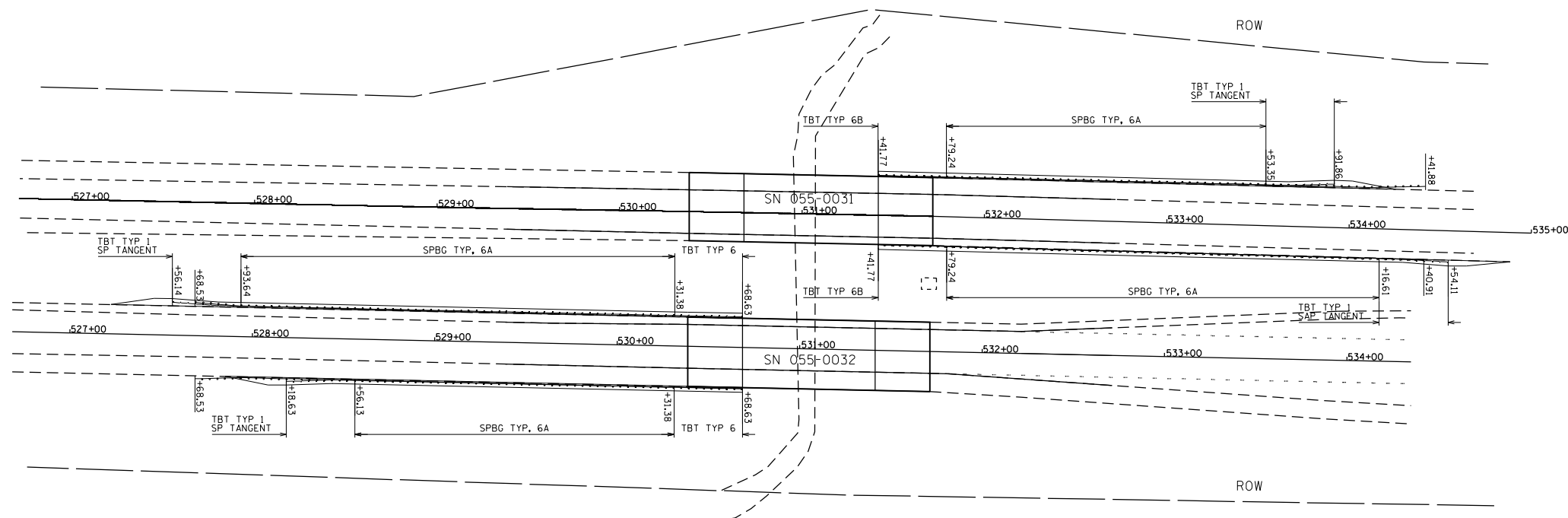
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>US 67 /IL 110 PROPOSED GUARDRAIL DETAILS</b> <b>SN 094-0039 &amp; SN 094-0040</b>			
SCALE:	SHEET 2	OF 3	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BRR	WARREN	40	24
			CONTRACT NO. 68G43	
		ILLINOIS	FED. AID PROJECT	





NOT TO SCALE

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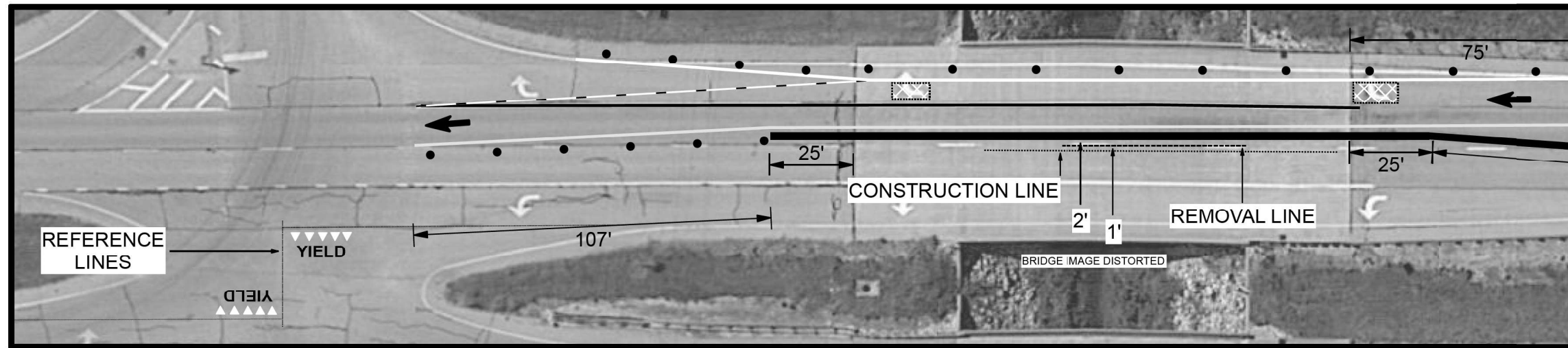
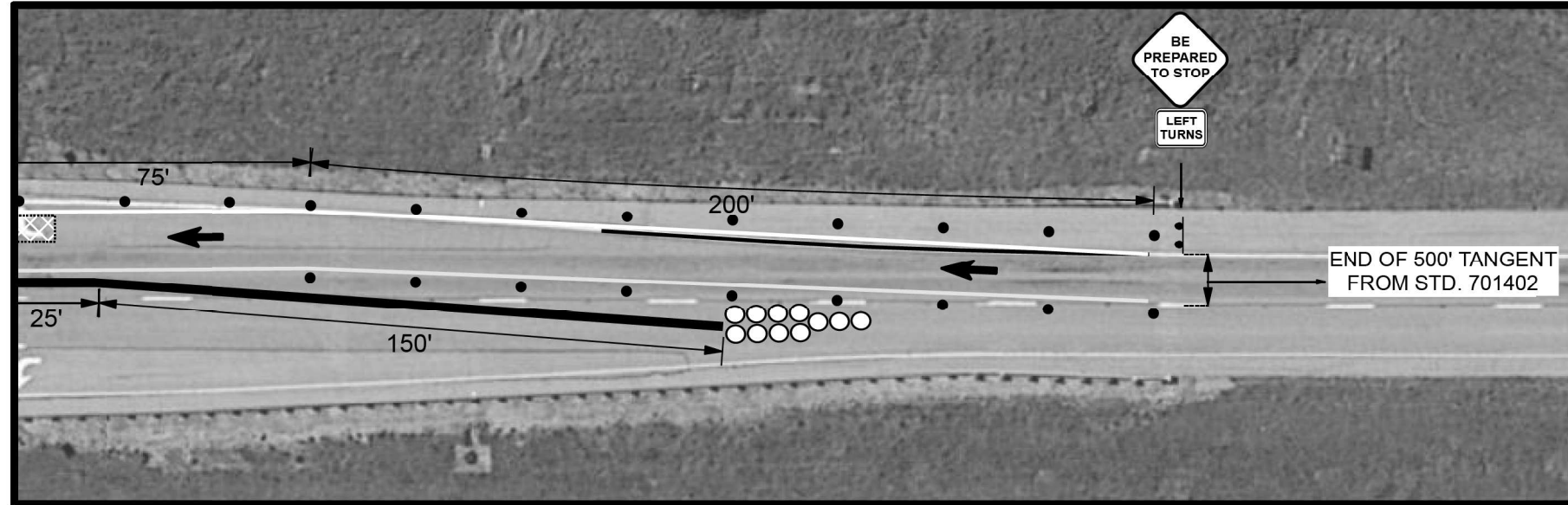
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 67 /IL 110 PROPOSED GUARDRAIL DETAILS**  
**SN 055-0031 & SN 055-0032**

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BRR	McDONOUGH	40	25
CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				

094-0037- STAGE 1 DETAILS



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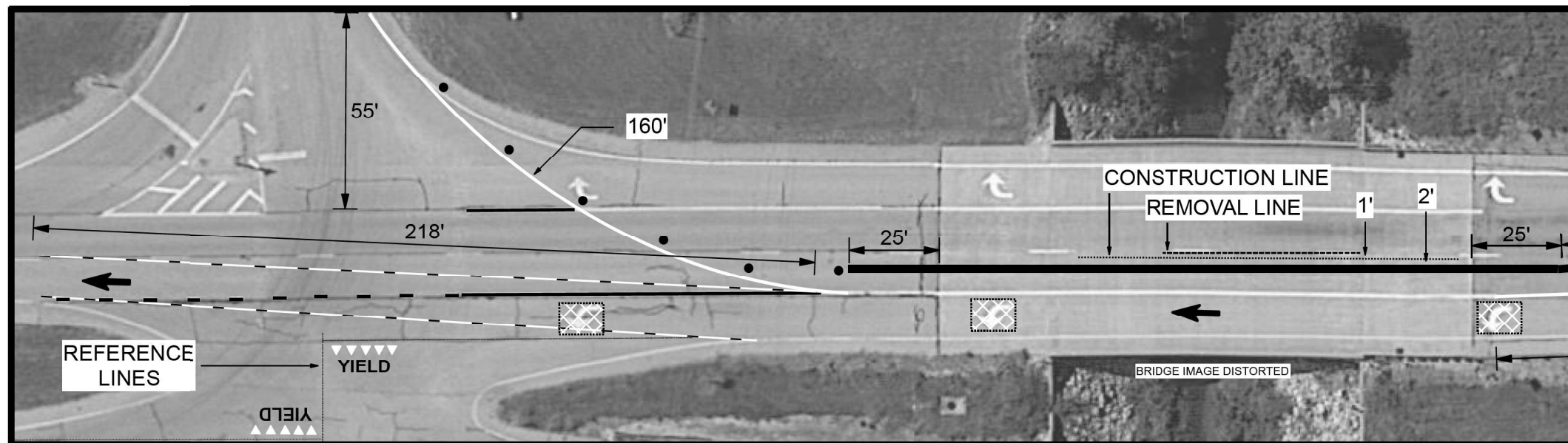
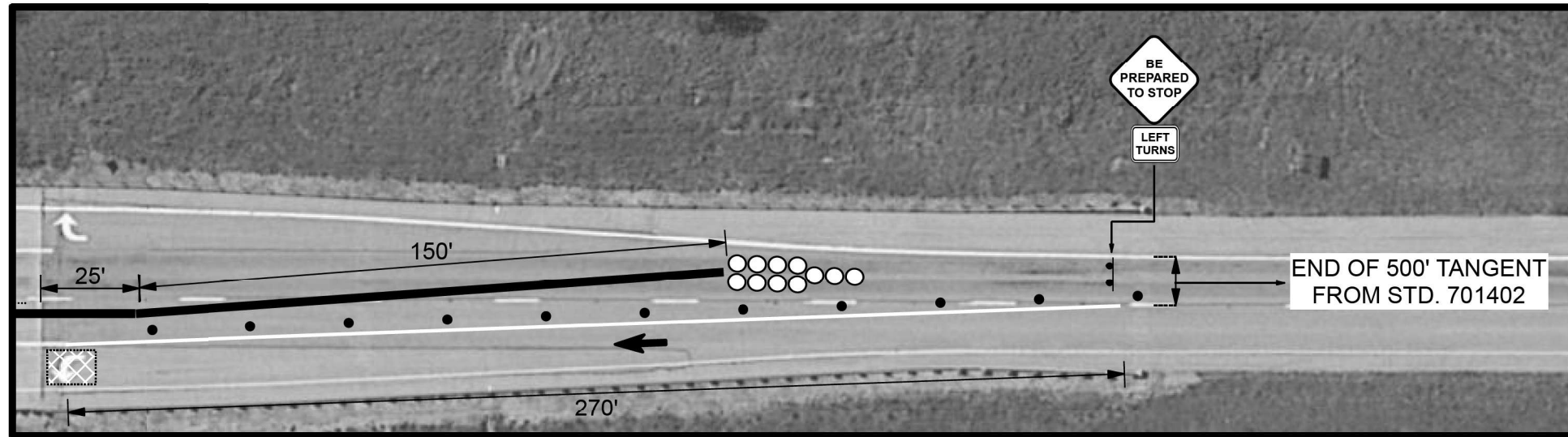
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US 67/IL 110 TRAFFIC CONTROL AND PROTECTION DETAIL  
SN 094-0037 STAGE 1

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BR	WARREN	40	26
CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				

094-0037- STAGE 2 DETAILS



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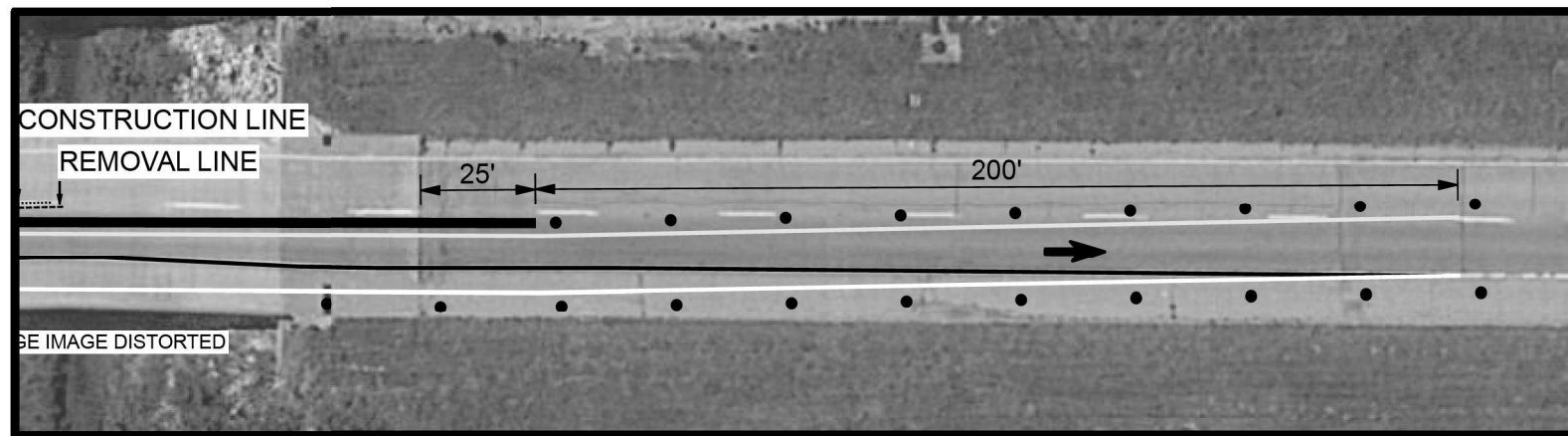
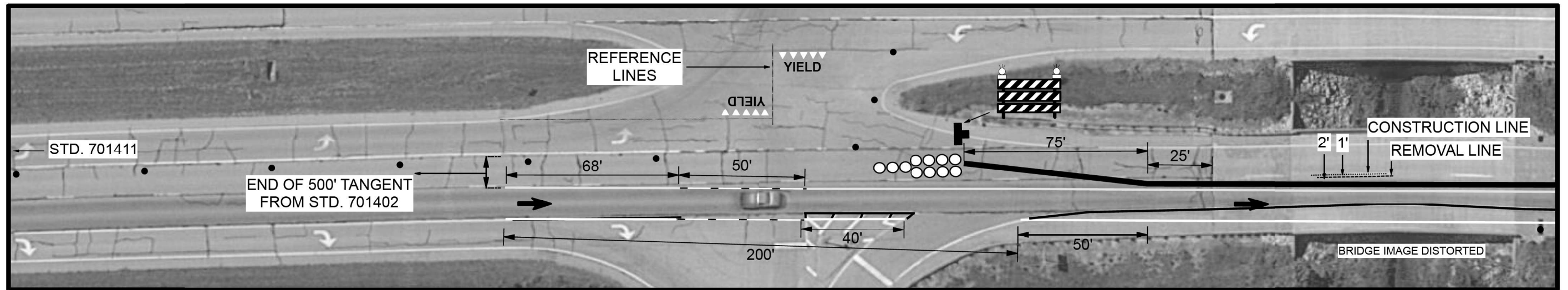
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US 67/IL 110 TRAFFIC CONTROL AND PROTECTION DETAIL  
SN 094-0037 STAGE 2

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BR	WARREN	40	27
CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				

# 094-0038- STAGE 1 DETAILS



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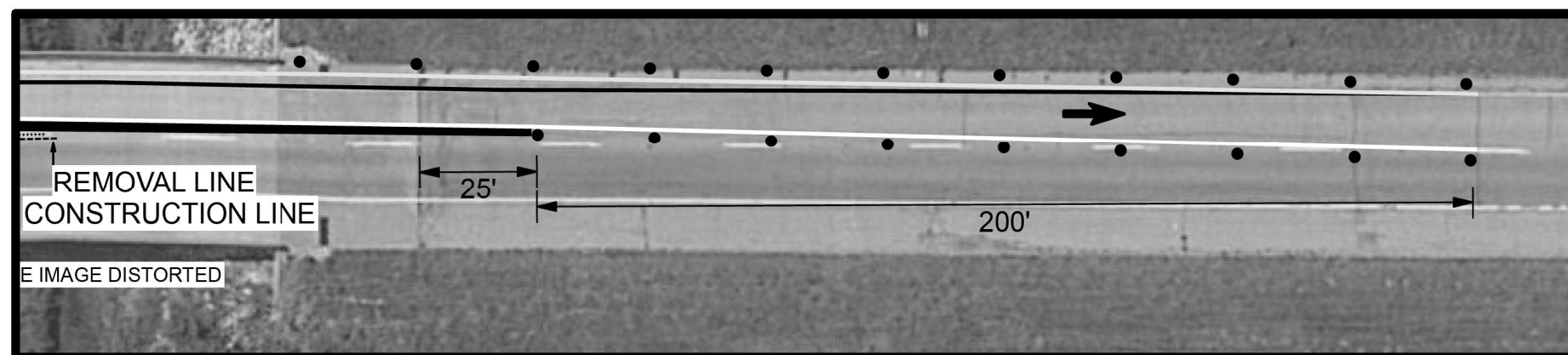
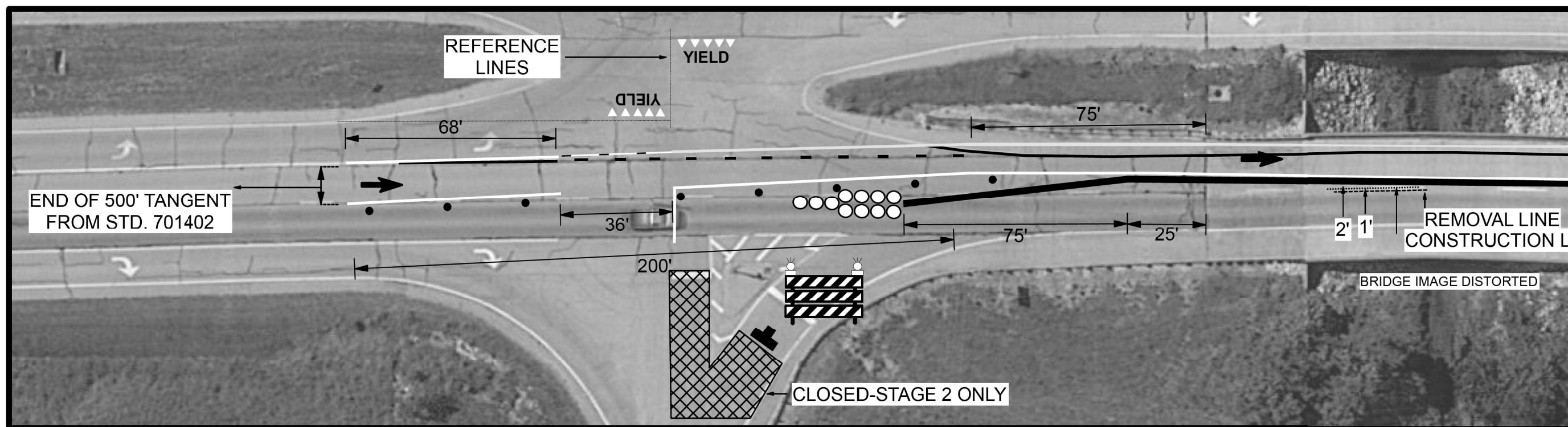
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 67/IL 110 TRAFFIC CONTROL AND PROTECTION DETAIL**  
**SN 094-0038 STAGE 1**

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BR	WARREN	40	28
CONTRACT NO. 68G43			ILLINOIS FED. AID PROJECT	

# 094-0038- STAGE 2 DETAILS

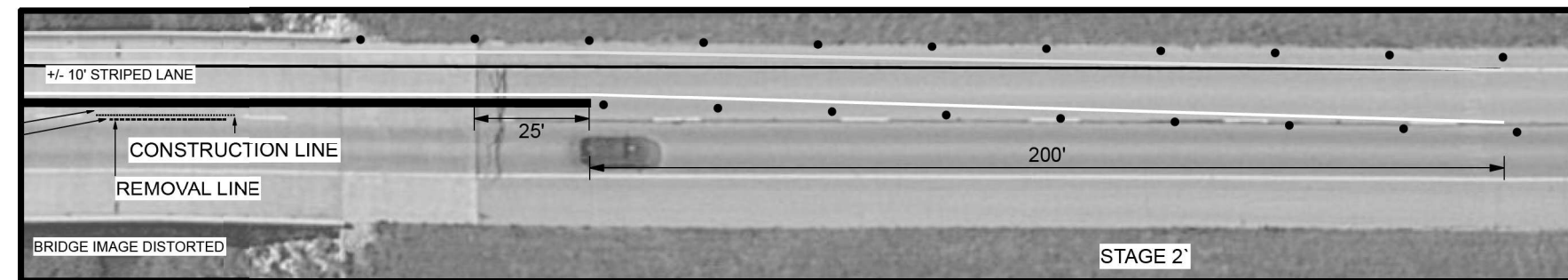
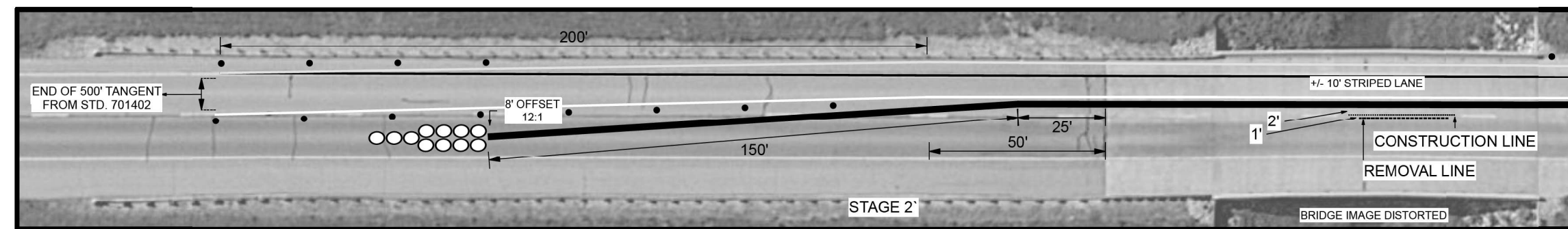
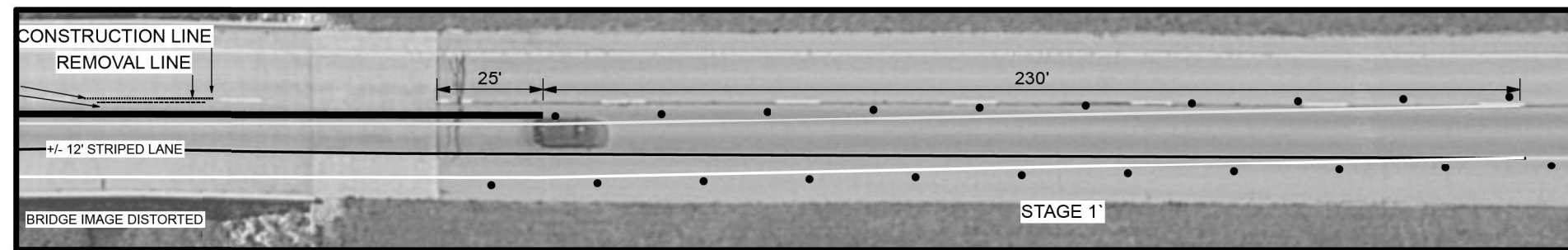
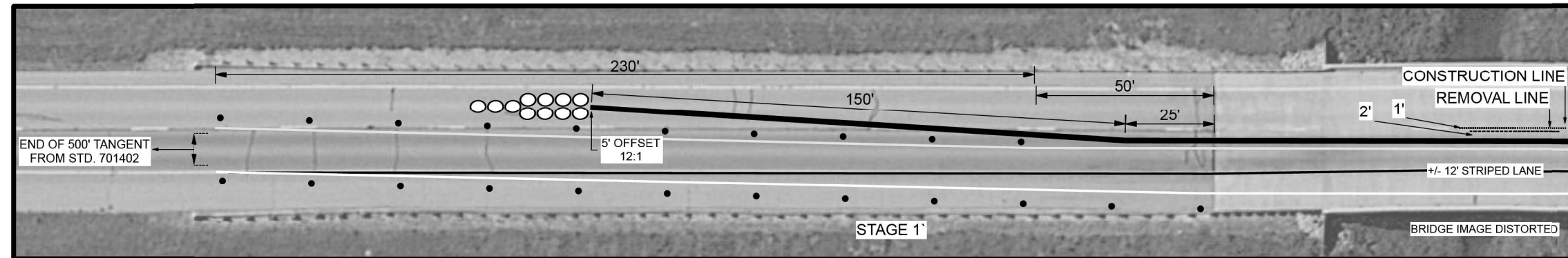


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SCALE:		SHEET 4 OF 6 SHEETS		STA. TO STA.					

# 094-0039- STAGE 1 AND 2 DETAILS



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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

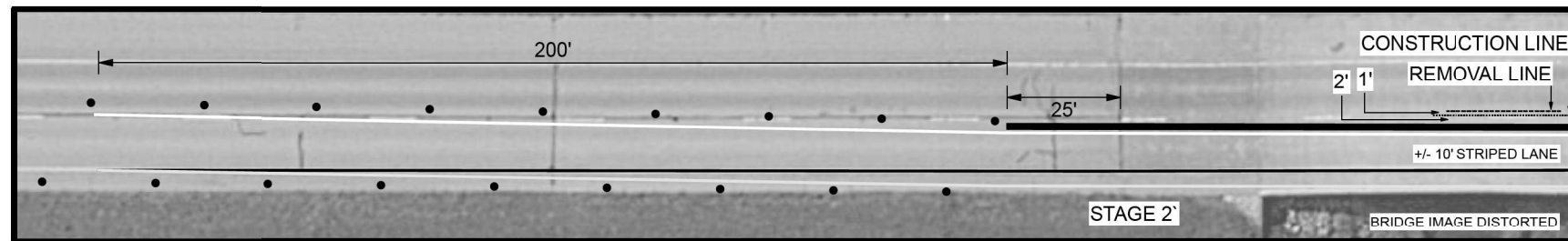
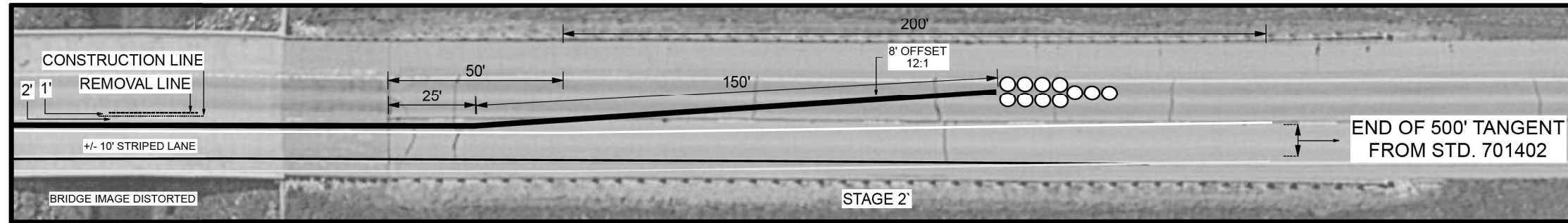
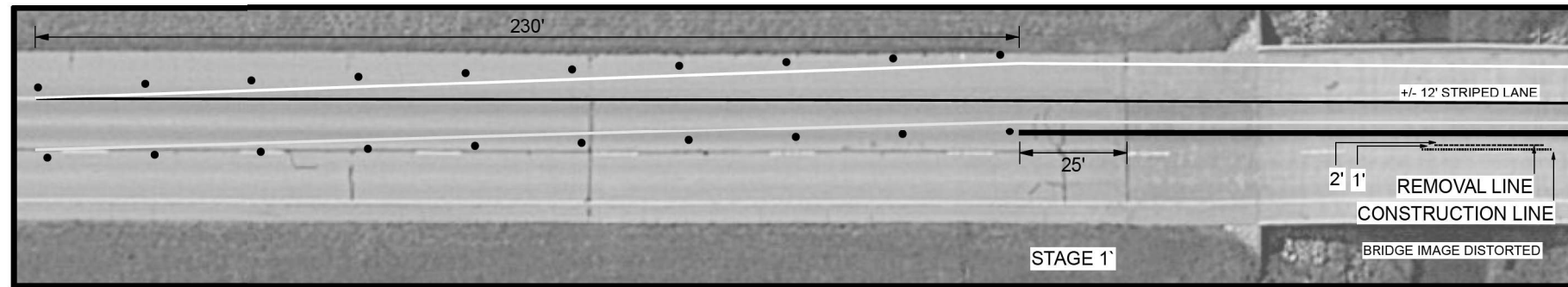
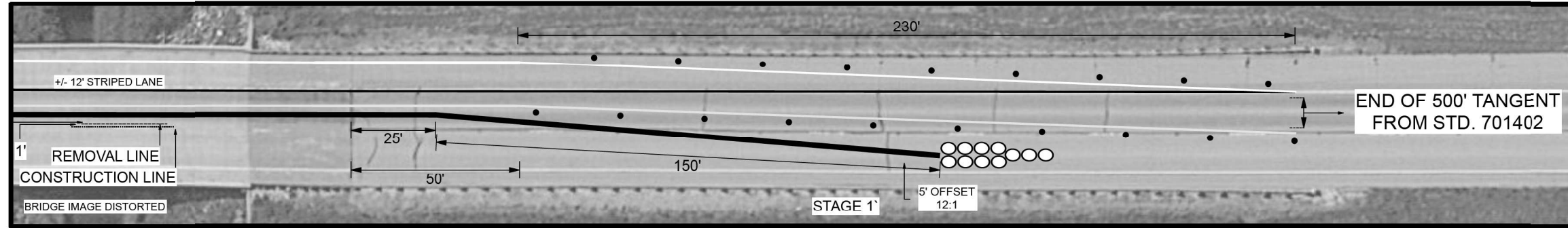
**US 67/IL 110 TRAFFIC CONTROL AND PROTECTION DETAIL**  
**SN 094-0039 STAGE 1 AND 2**

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BRR	WARREN	40	30
CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE

# 094-0040- STAGE 1 AND 2 DETAILS



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NOT TO SCALE

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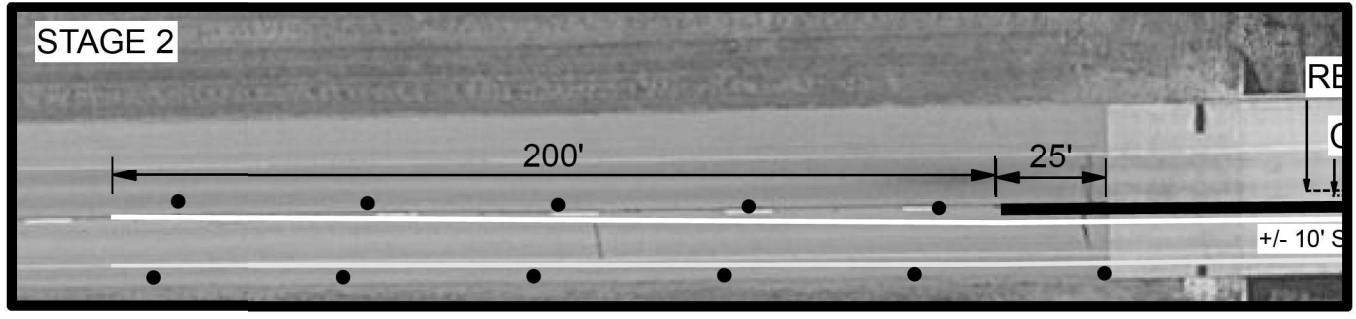
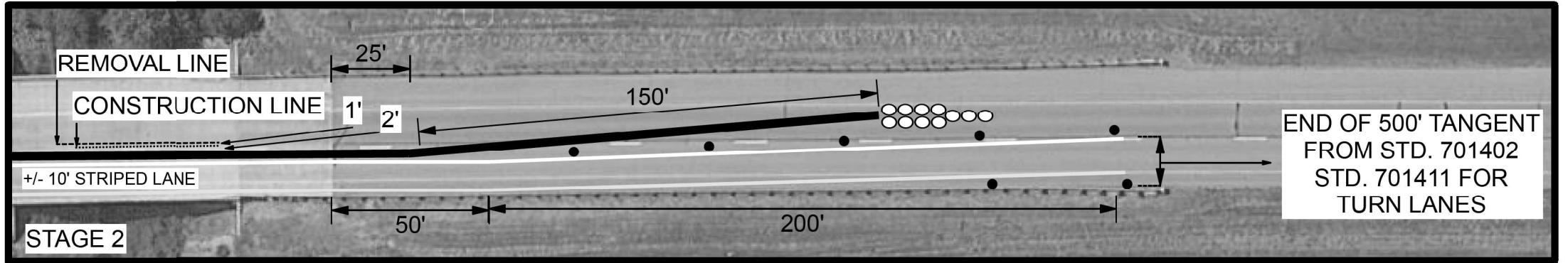
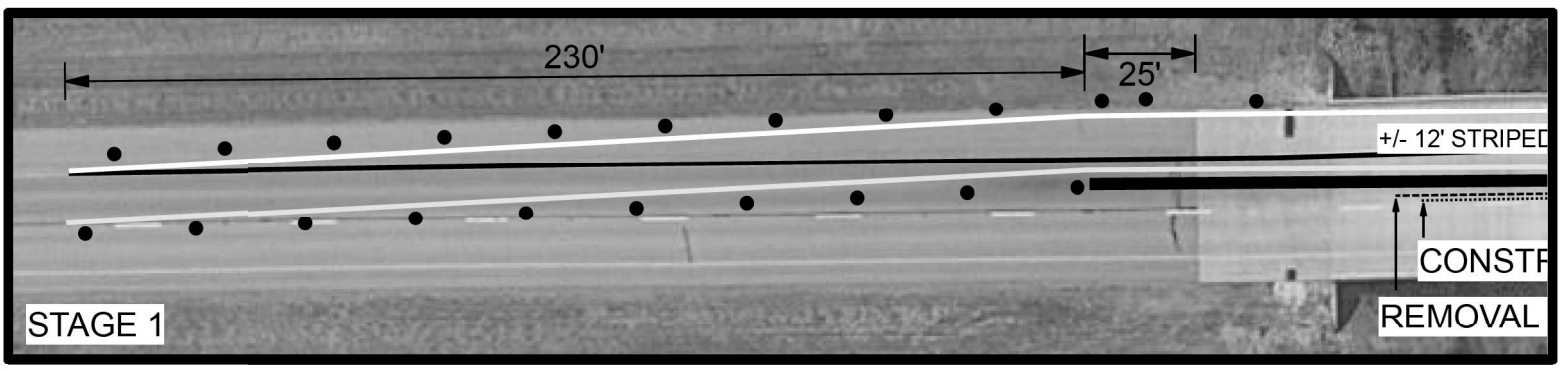
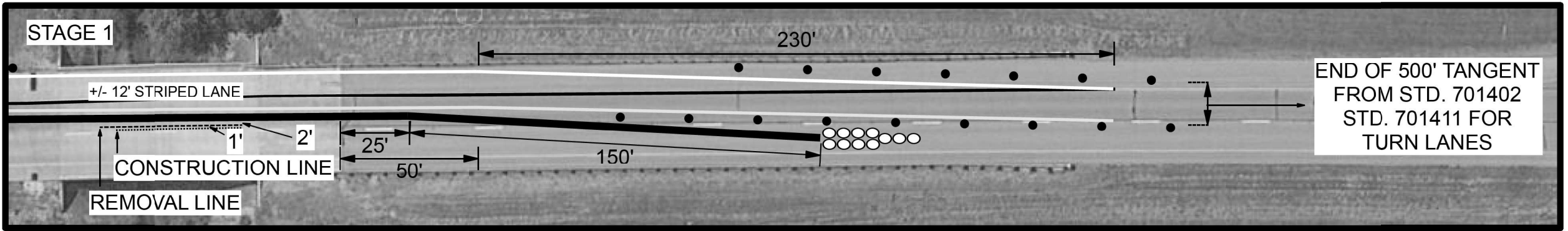
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 67/IL 110 TRAFFIC CONTROL AND PROTECTION DETAIL  
SN 094-0040 STAGE 1 AND 2**

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BRR	WARREN	40	31
			CONTRACT NO. 68G43	
ILLINOIS FED. AID PROJECT				

055-0031- STAGE 1 AND 2 DETAILS



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

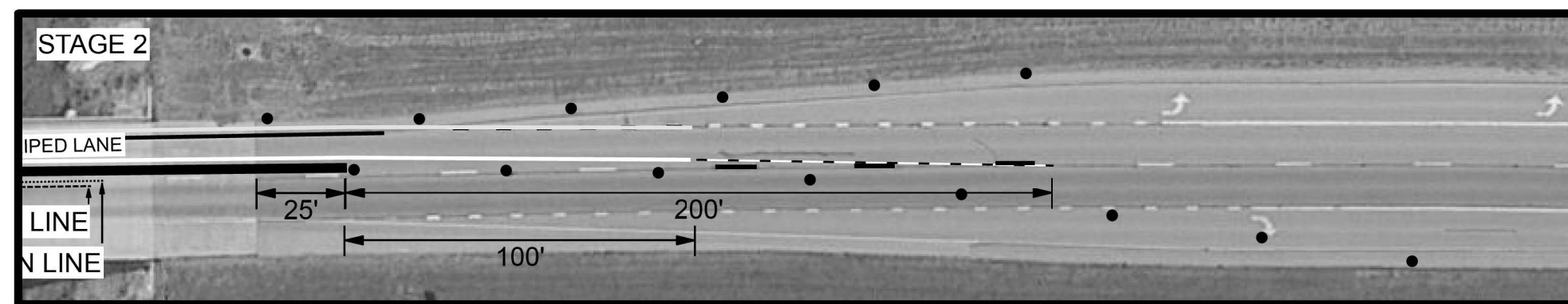
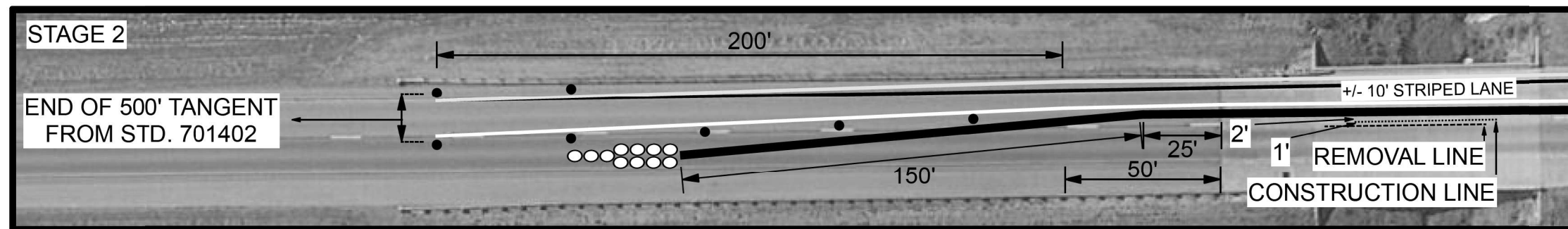
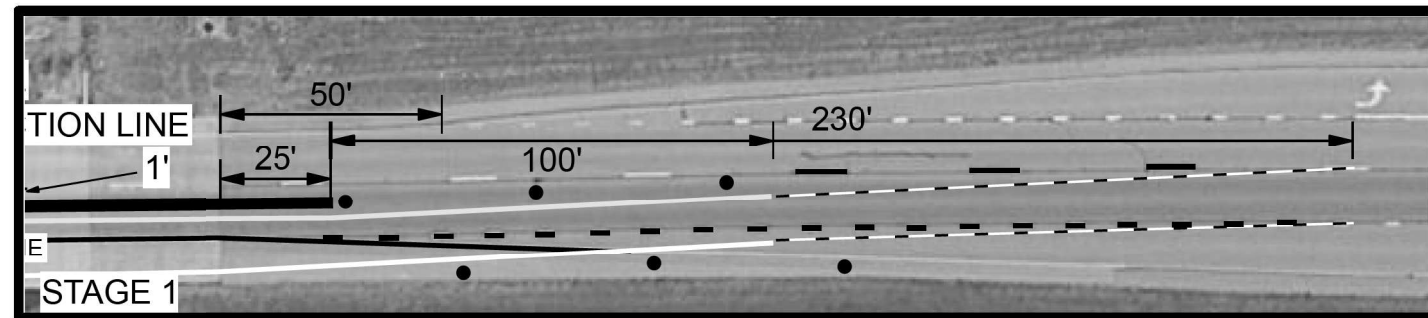
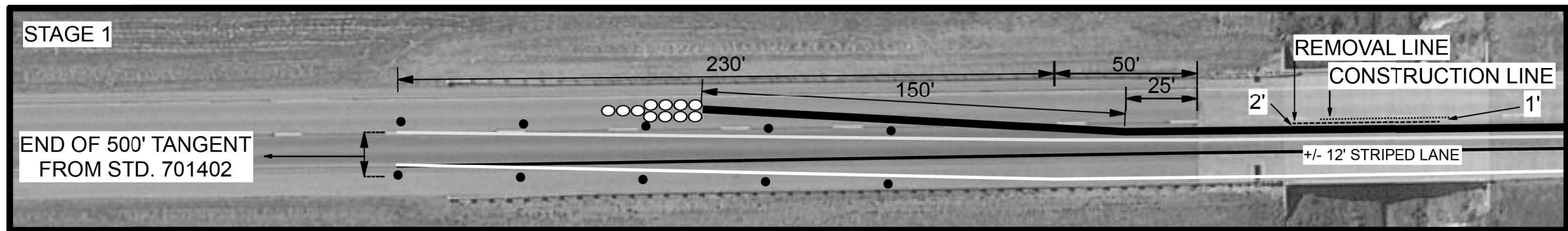
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SN 055-0031 STAGE 1 AND 2

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BR	McDONOUGH	40	32
CONTRACT NO. 68G43				
ILLINOIS FED. AID PROJECT				



055-0032- STAGE 1 AND 2 DETAILS



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 67/IL 110 TRAFFIC CONTROL AND PROTECTION DETAIL  
SN 055-0032 STAGE 1 AND 2**

SCALE: SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BR	McDONOUGH	40	33
			CONTRACT NO. 68G43	
		ILLINOIS	FED. AID PROJECT	

# 094-0038-STAGE 2 ONLY NB 40TH CLOSURE AND DETOUR



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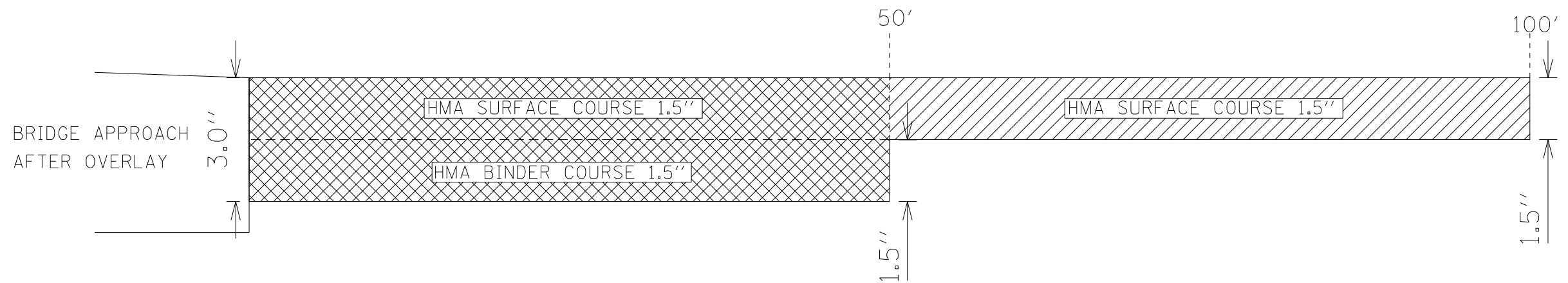
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 67 / IL 110 DETOUR DETAIL  
SN 094-0038 DURING STAGE 2 ONLY**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35.36)B-1;(37B-1)BR-1]BRR	WARREN	40	34
CONTRACT NO. 68G43				
ILLINOIS   FED. AID PROJECT				



BUTT JOINT DETAIL

SN 094-0037 FROM STA 808+08 TO STA 807+08 / FROM STA 805+61 TO STA 804+61  
 SN 094-0038 FROM STA 804+61 TO STA 805+11 / FROM STA 807+08 TO STA 808+08  
 SN 094-0039 FROM STA 739+48 TO STA 738+48 / FROM STA 736+98 TO STA 735+98  
 SN 094-0040 FROM STA 735+98 TO STA 736+98 / FROM STA 738+48 TO STA 739+48  
 SN 055-0031 FROM STA 532+71 TO STA 531+71 / FROM STA 530+38 TO STA 529+38  
 SN 055-0032 FROM STA 529+38 TO STA 530+38 / FROM STA 531+71 TO STA 532+71

NOTE: BUTT JOINT SHALL BE SQUARED OFF

-  HMA SURFACE REMOVAL, BUTT JOINT (3.0" MAX)
-  HMA SURFACE REMOVAL, BUTT JOINT (1.5" MAX)

NOT TO SCALE

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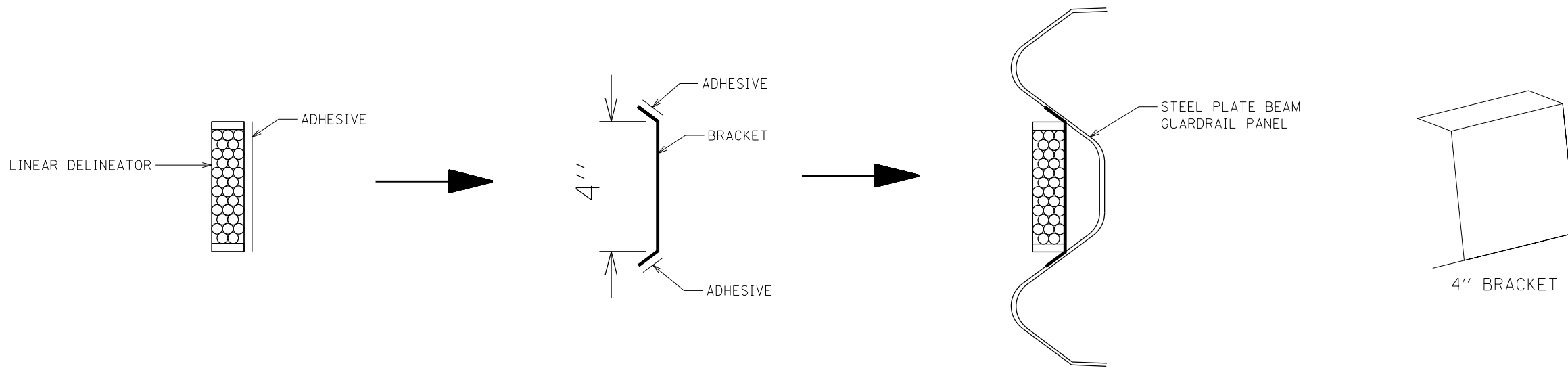
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 67 /IL 110 BUTT JOINT DETAIL**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BRR	*	40	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G43	



**LINEATOR DELINEATOR APPLICATION TO STANDARD GALVANIZED GUARDRAIL**

LINEATOR DELINEATOR SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS

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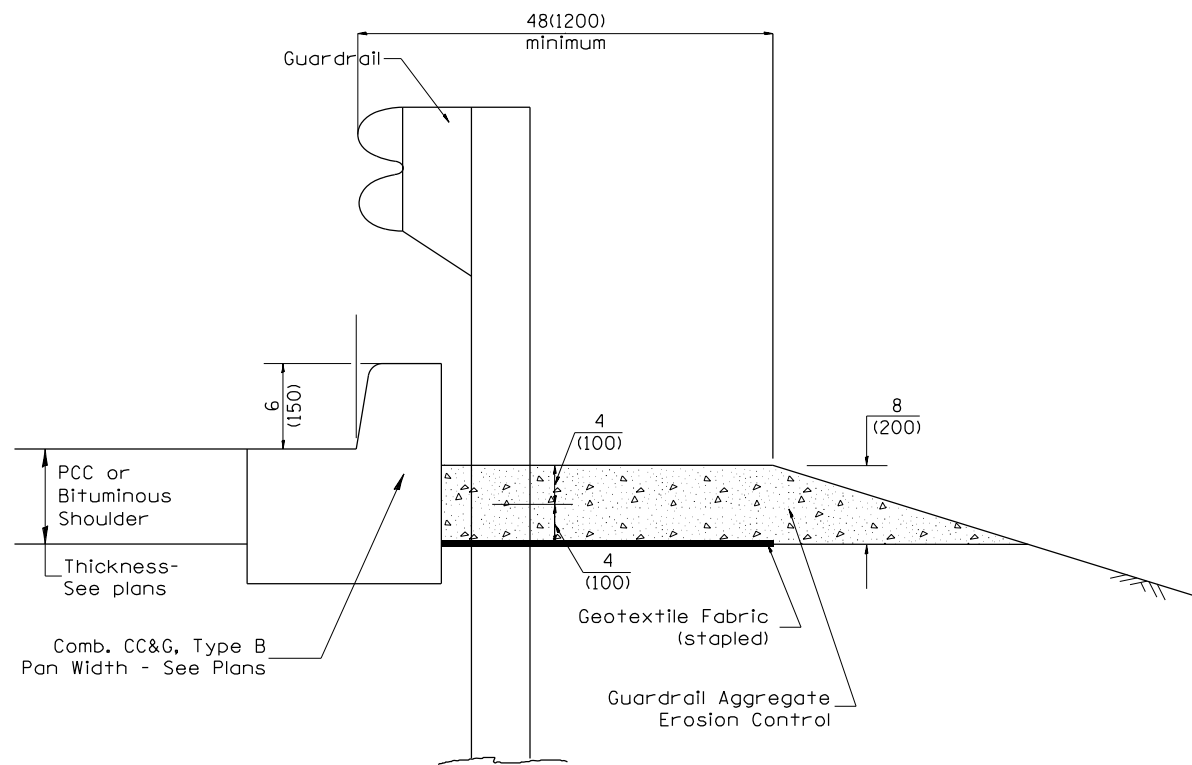
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	DRAWN -	REVISED -
PLOT SCALE = 100,0009' / in.	CHECKED -	REVISED -
PLOT DATE = 3/23/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

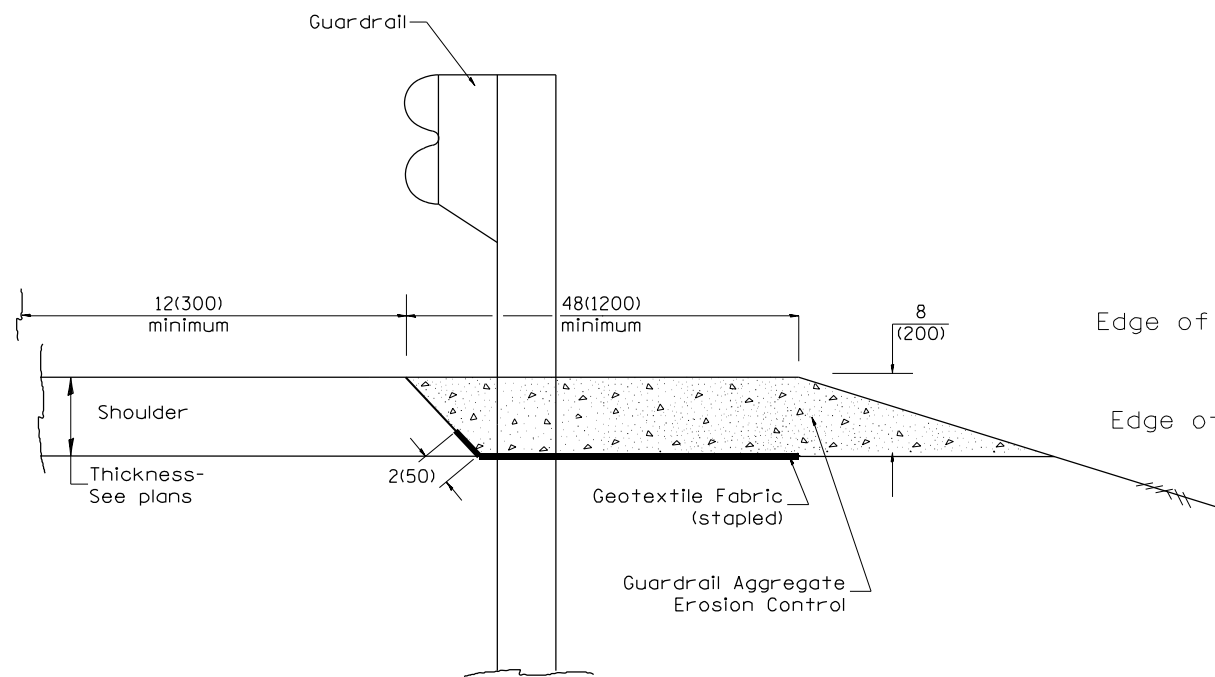
<b>LINEATOR DELINEATOR APPLICATION TO STANDARD GALVANIZED GUARDRAIL</b>			
SCALE:	SHEET 1	OF 1	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BRR	*	40	36
			CONTRACT NO. 68G43	
		ILLINOIS	FED. AID PROJECT	

CONSIDER USING A "B" CURB PAY ITEM AT GUARDRAIL INSTALLATIONS WHERE GRADES ARE EQUAL TO OR GREATER THAN 1% AND AT INLETS. (INCLUDE DISTRICT SPECIAL PROVISION  
 1. USE "GUARDRAIL AGGREGATE EROSION CONTROL" AT GUARDRAIL INSTALLATIONS WHERE GRADES ARE LESS THAN 1% (INCLUDE DISTRICT SPECIAL PROVISION).  
 2. INCLUDE STATE STANDARD 610001, IF APPLICABLE.  
 3. INCLUDE THE FOLLOWING DISTRICT CADD STANDARDS AS NEEDED: SLOPE DRAINS FOR EXPOSED PIPES; SLOPE DRAINS FOR BURIED PIPES; SEEPAGE COLLARS FOR BURIED PIPES  
 4. SEEPAGE COLLARS FOR EXPOSED PIPES; CONCRETE THRUST BLOCKS AND PIPE ELBOW.  
 5. INCLUDE DISTRICT SPECIAL PROVISION - "AGGREGATE QUALITY" FOR PROJECTS LOCATED IN THE WESTERN AREA OF THE DISTRICT - APPROX. DIVIDING LINE IS IL 97.  
 6. DELETE DESIGNER NOTES WHEN INSERTING INTO PLAN FILES.  
 7. OPERATIONS PREFERS USE OF PIPE OUTLETTING ONTO FORESLOPE WITH RIPRAP. USE NON-METALLIC PIPE WHEN POSSIBLE BECAUSE OF FUTURE CORROSION ISSUES.  
 8. IF NO OTHER SEEDING IS PAID FOR ON THE CONTRACT, USE DISTRICT SPECIAL PROVISION FOR SEEDING, MINOR AREAS



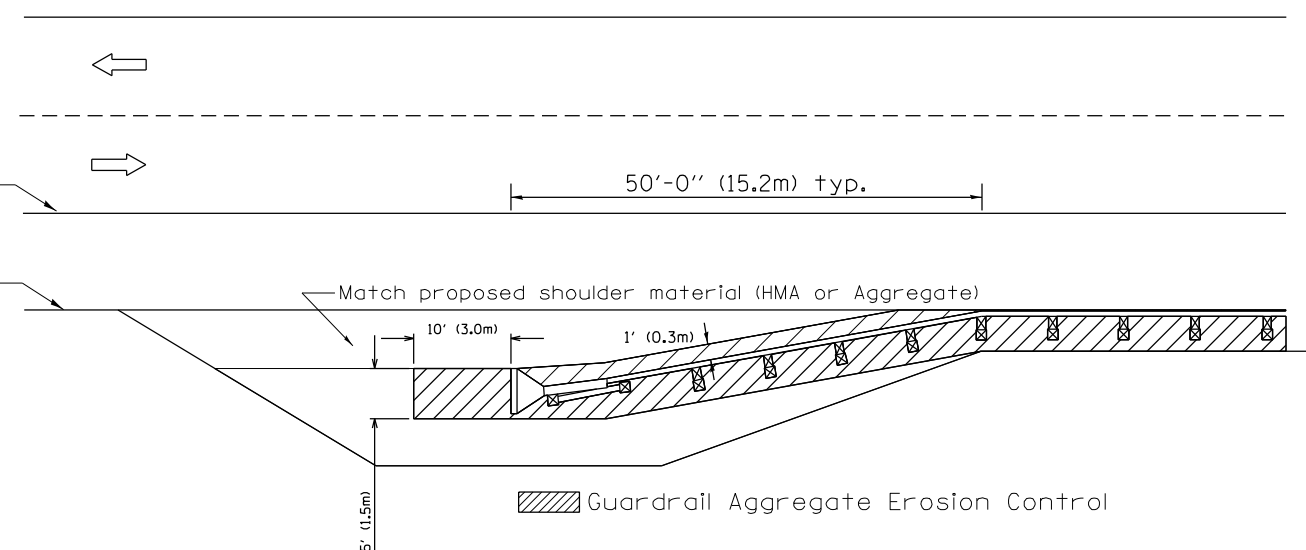
TYPICAL SECTION WITH COMBINATION CONCRETE CURB & GUTTER



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
  - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
  - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



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

DESIGNER NOTES:

03-07-11	ADDED DETAIL SHOWING PLAN VIEW	R.D.	5-30-18	CHANGE B CURB TO CC&G	R.D.
08-10-12	REVISED CURB "B" AND AGGREGATE	R.D.	07-16-19	SPELLING CORRECTIONS	R.D.
07-15-15	ADDRESSED SHOULDER INLET CURB	R.D.			
01-26-17	REVISED	R.D.			

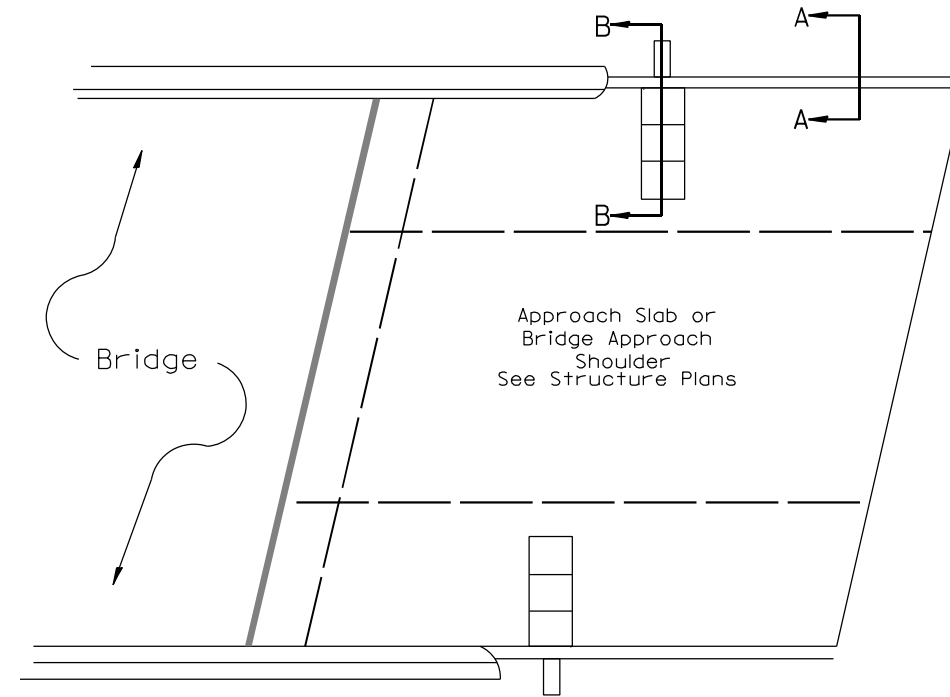
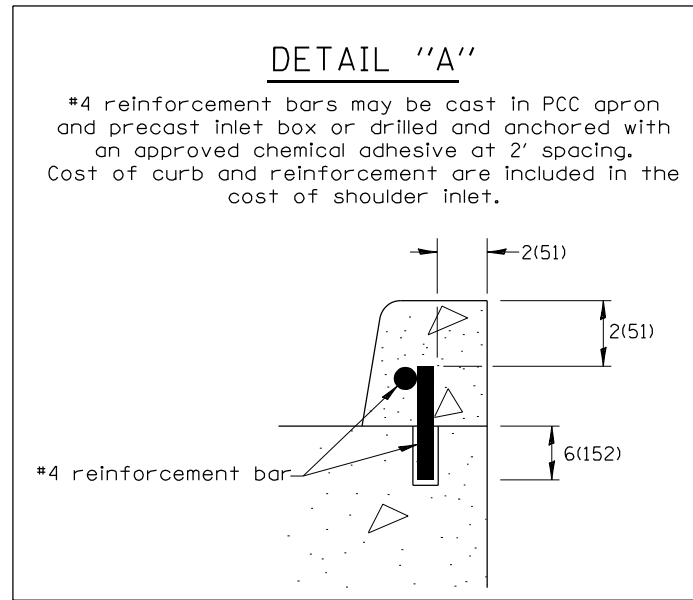
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

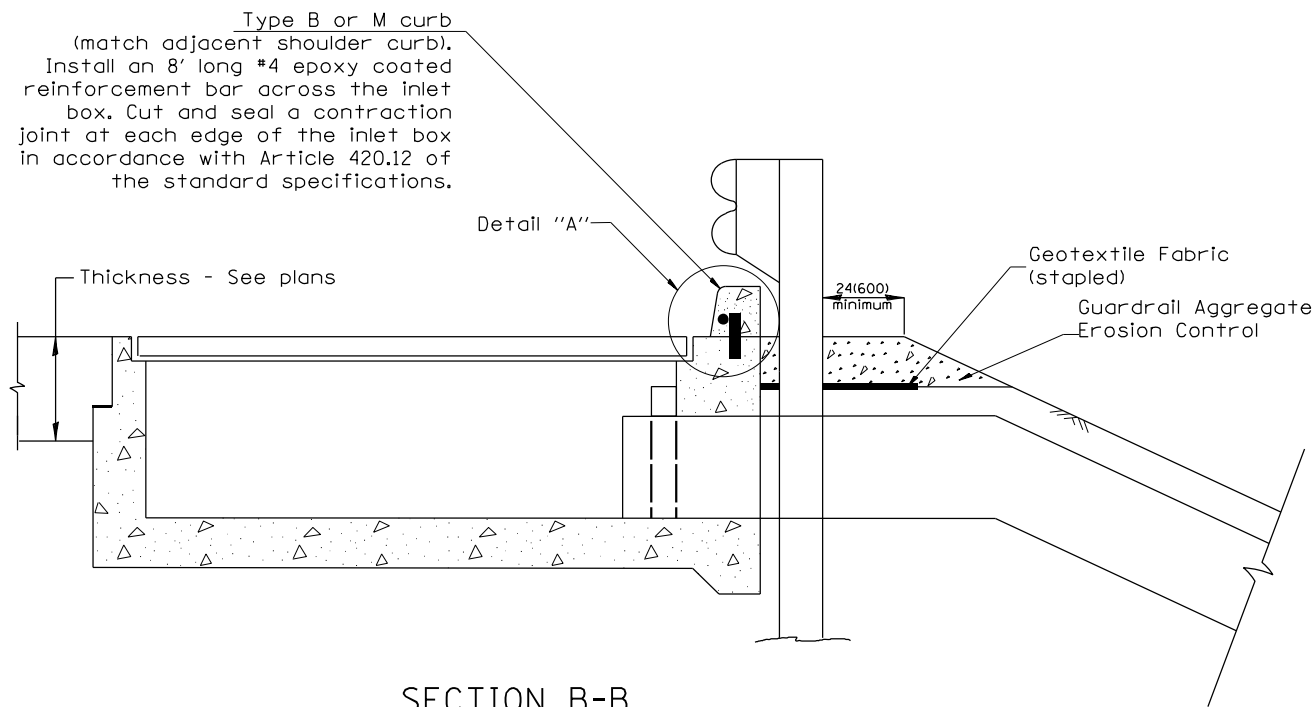
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SHT. 1 OF 2  
CADD STD. 630101-D4

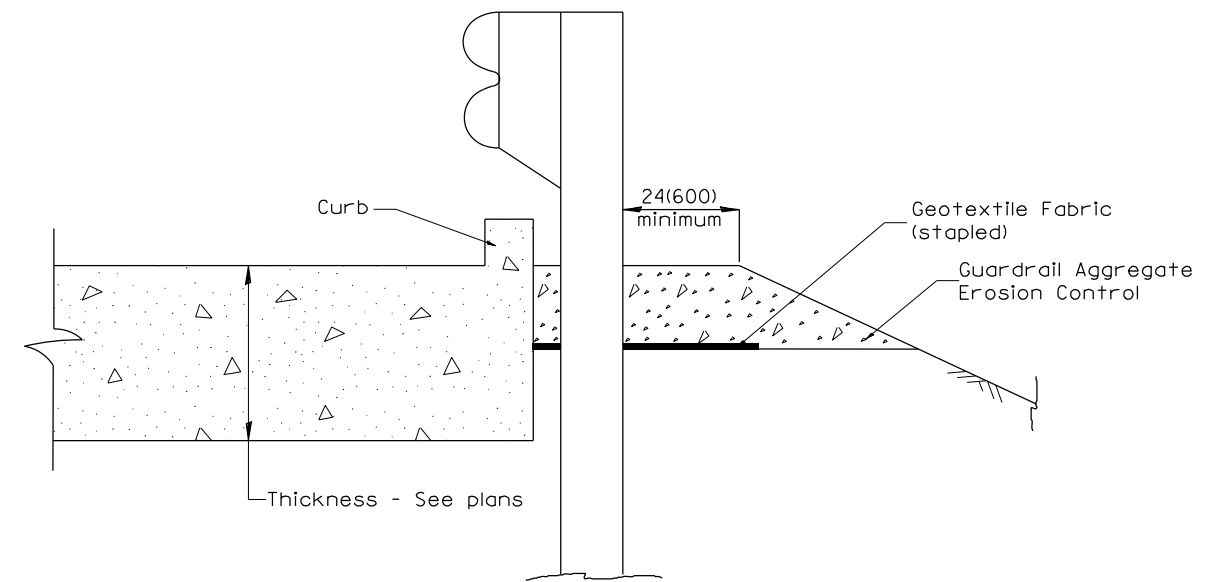
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	[(35,36)B-1;(37B-1)BR-1]BR	*	40	37
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G43	



**PLAN VIEW**  
**APPROACH SLAB OR SHOULDER PLACEMENT**



**SECTION B-B**  
**TYPICAL SECTION AT INLETS**  
**TYPE E, F & G (HIGHWAY STANDARD 610001)**

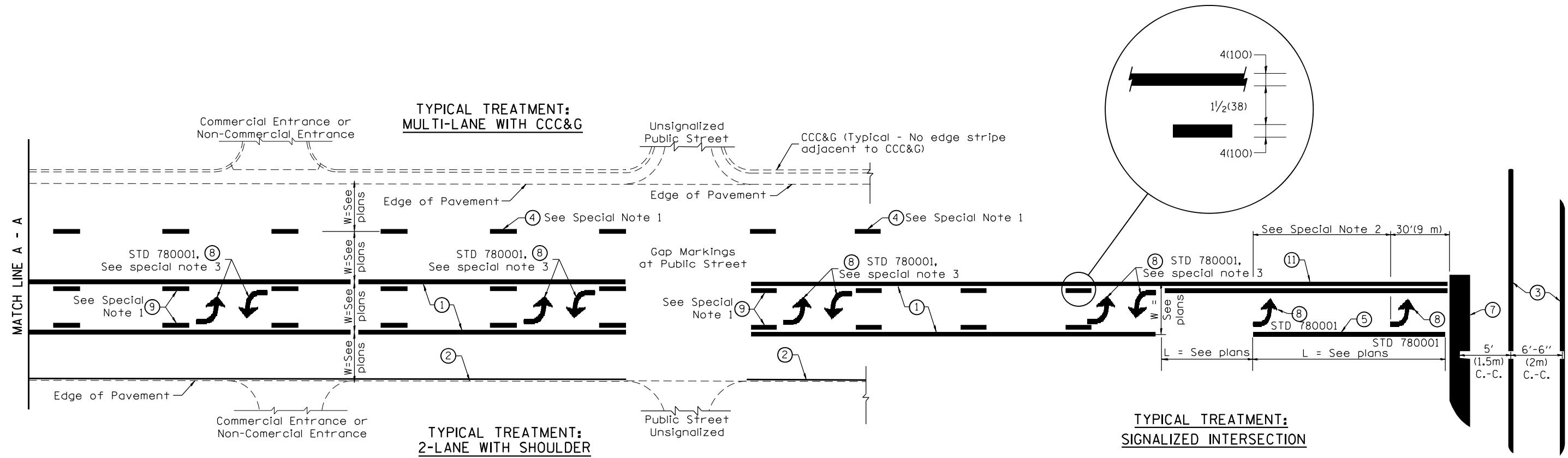


**SECTION A-A**  
**TYPICAL SECTION WITH BRIDGE APPROACH CURB**

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

<b>STATE OF ILLINOIS</b>				<b>GUARDRAIL EROSION CONTROL TREATMENTS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>DEPARTMENT OF TRANSPORTATION</b>				NOT TO SCALE				310	[(35-36)B-1;(37B-1)BR-1]BR	-	40	38
				SHT. 2 OF 2				CONTRACT NO. 68G43				
				CADD STD. 630101-D4				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DESIGNER NOTES:  
1. Include State Standard 780001 (Typical Pavement Markings)



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:  
 Through Arrow= 14.8 sq. ft.  
 Large Left or Right Arrow= 21.9 sq. ft.  
 2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.  
 Wrong Way Arrow= 29.5 sq. ft.  
 Railroad Crossing Symbol= 69.8 sq. ft.  
 (For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.	07-16-19	SPELLING CORRECTIONS	R.D.
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

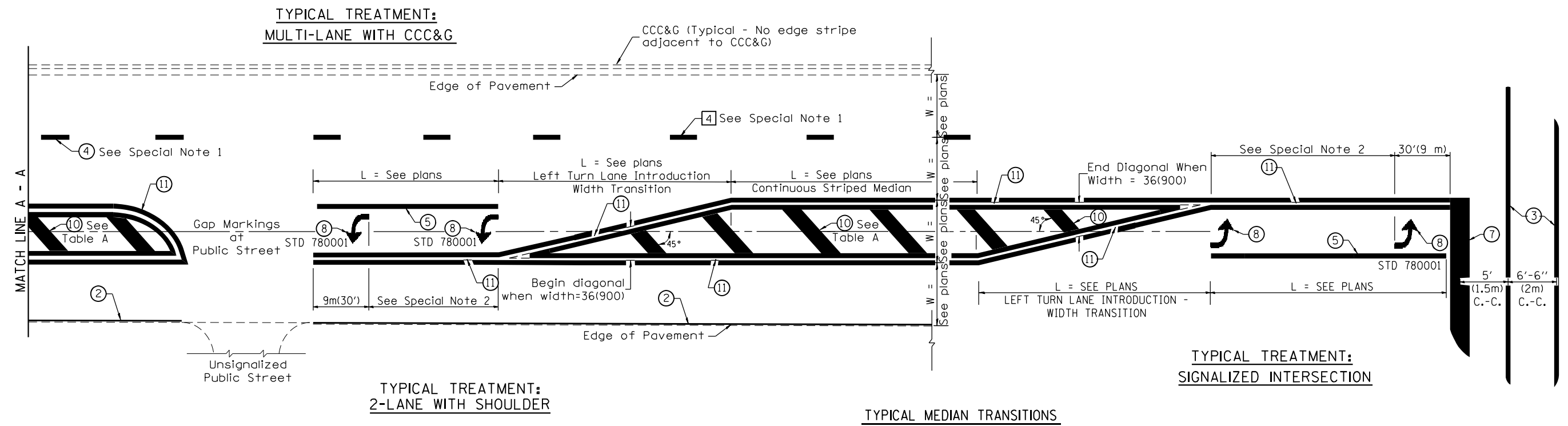
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PAVEMENT MARKINGS**

NOT TO SCALE

SHT. 1 OF 2  
CADD STD. 780001-D4

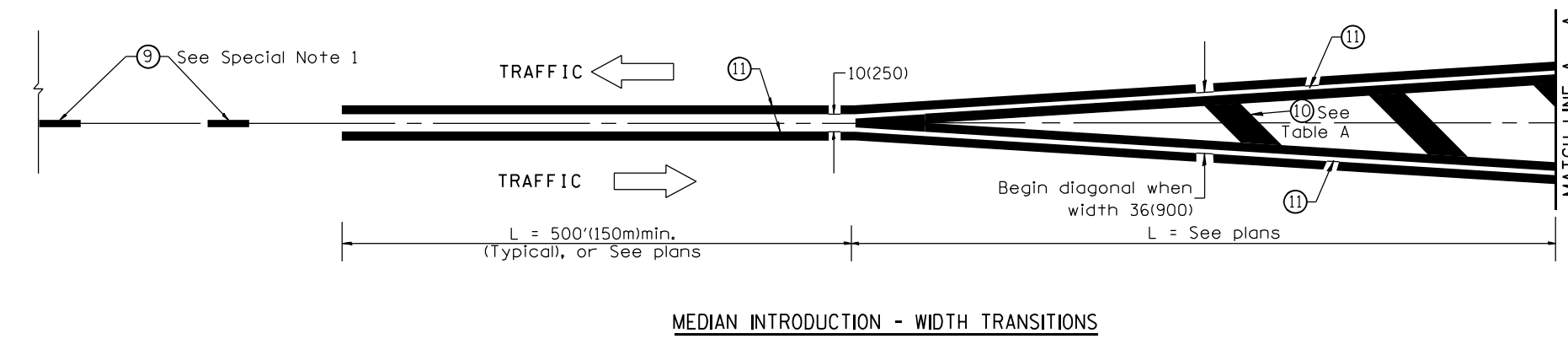
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(135-36)B-1;(37B-1)BR-13BRR	•	40	39
<b>CONTRACT NO. 68G43</b>				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE**

**TABLE A**  
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



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