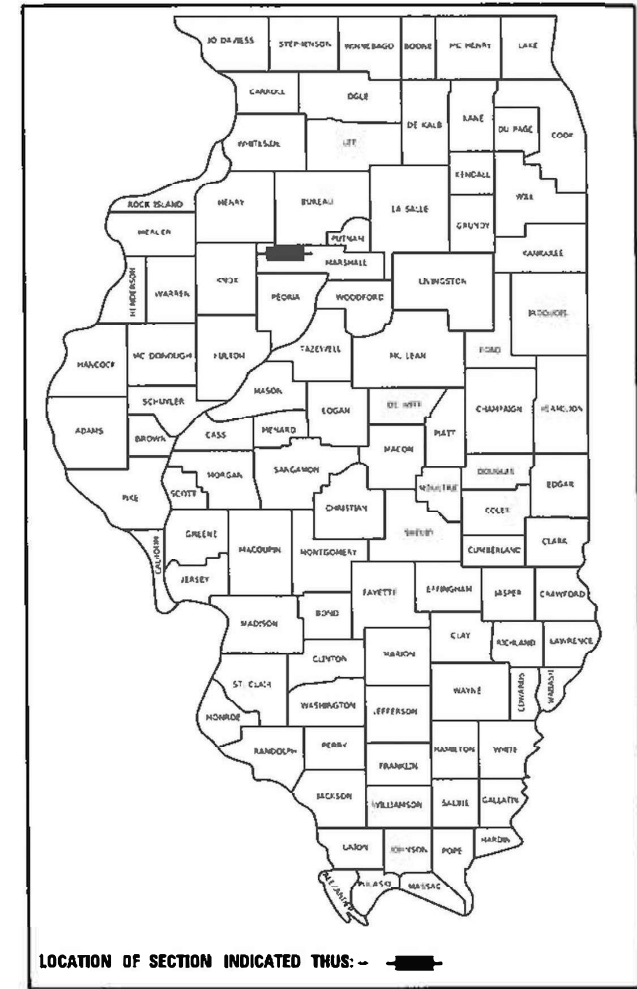


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[(B)BR;(B)BR-1]BDR	STARK	44	1
		ILLINOIS	CONTRACT NO. 68G38	

D-94-040-21



BRIDGE DECK & APPROACH HYDROSCARIFICATION AND MICROSILICA MODIFIED CONCRETE OVERLAY, ROADWAY TRANSITION AND GUARDRAIL REPLACEMENT TO SN 088-0021 AND SN 088-0022.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 15, 2023

[Signature]
REGION THREE ENGINEER

February 3, 2023
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

February 3, 2023
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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 - 2 GENERAL NOTES AND PROJECT SPECIFIC NOTES
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 - 7-9 TYPICAL SECTIONS
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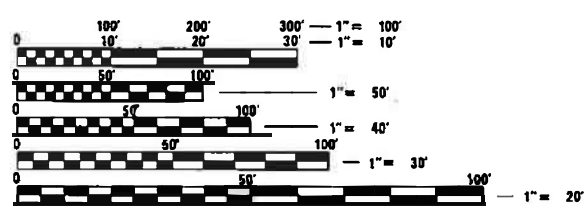
HIGHWAY STANDARDS

000001-08	630301-09
001001-02	631006-08
001006	701201-05
420001-10	701321-18
542401-04	701901-08
610001-09	704001-08
630001-12	781001-04

DESIGN DESIGNATION
MAJOR COLLECTOR
WEST FORK (2021)
ADT = 1100
MU = 200
SU = 50

SN 088-0021
W. FORK SPOON RIVER
STA 1379+32.12 TO
STA 1381+72.20

EAST FORK (2021)
ADT = 950
MU = 120
SU = 40



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

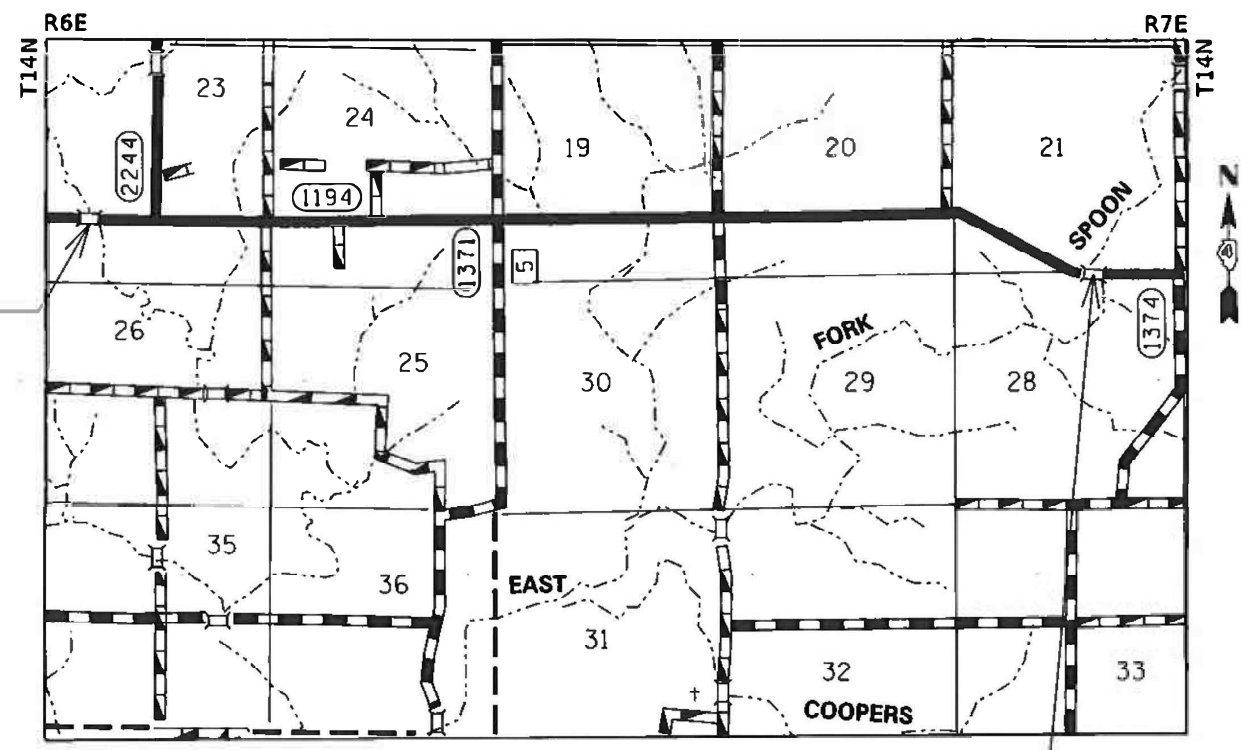
PROJECT ENGINEER: NICOLE FAYANT (309) 671-3454
PROJECT MANAGER: ARLENE OTERO-FEBUS (309)671-3462 / JACOB WECK (309)671-3463
CATALOG NO. 036204-00D
CONTRACT NO. 68G38

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAS ROUTE 1194 (IL 93)
SECTION 106[(B)BR;(B)BR-1]BDR
PROJECT HBF-4APJ(600)
BRIDGE PRESERVATION
STARK COUNTY

C-94-059-21



SN 088-0022
E. FORK SPOON RIVER
STA 1616+29.28 TO
STA 1618+35.82

GROSS LENGTH = 453.25 FT. = 0.0858 MILE
NET LENGTH = 453.25 FT. = 0.0858 MILE

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.

BUTT JOINT CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

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 included in the cost of the traffic control pay item.

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	Mainline				
Mixture Use(s):	Surface 2"	Temp Shoulder (Surface)	Temp Shoulder (Lower Lifts)				
AC/PG:	PG 58-28	PG 58-28	PG 58-28				
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50				
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 9.5	IL 19.0				
Friction Aggregate:	Mix C	Mix C	N.A.				
Quality Management Program:	QCQA	QCQA	QCQA				
MTD:	No	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.

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

PROJECT SPECIFIC NOTES

The Engineer shall determine any profile adjustments required on the approach pavements and approach roadways to address settled approach pavement, estimate Butt Joint and HMA overlay limits are provided in the plans.

The Contractor shall ensure the length of all the pipes to be removed prior to ordering the proposed drainage pipes. The final field measurements shall be approved by the Engineer.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND
PROJECT SPECIFIC NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[B(BR);(B)BR-1]BDR	STARK	44	2
CONTRACT NO. 68G38			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE BRIDGE	80% FED 20% STATE BRIDGE
				0059	0059
				S.N. 088-0021	S.N. 088-0022
28100125	STONE RIPRAP, CLASS B3	SQ YD	65.2	35.6	29.6
28200200	FILTER FABRIC	SQ YD	98	54	44
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	540	256	284
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	751	356	395
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	84	39.8	44.2
42001300	PROTECTIVE COAT	SQ YD	1599	860	739
44000300	CURB REMOVAL	FOOT	466	206	260
44000400	GUTTER REMOVAL	FOOT	170		170
50105220	PIPE CULVERT REMOVAL	FOOT	90	60	30
50300260	BRIDGE DECK GROOVING	SQ YD	1498	805	693
60260100	INLETS TO BE ADJUSTED	EACH	6	4	2
60600605	CONCRETE CURB, TYPE B	FOOT	466	206	260
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	170		170
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1150	687.5	462.5
* 63100041	TRAFFIC BARRIER TERMINAL, TYPE 1B	EACH	1		1

*= SPECIALTY ITEM

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PLOT DATE = 12/14/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B(BR);(B)BR-1)BDR	STARK	44	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G38	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE BRIDGE	80% FED 20% STATE BRIDGE
				0059	0059
				S.N.088-0021	S.N.088-0022
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8	5	3
63200310	GUARDRAIL REMOVAL	FOOT	1237.5	837.5	400
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	1.5	1.5
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	1	1
70107006	PAVEMENT MARKING BLACKOUT TAPE, 6"	FOOT	3544	1303	2241
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	14	14
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5772	2895	2877
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3696	1616	2080
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1038	538	500
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1038	538	500
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	2	2

*= SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B(BR);(B)BR-1)BDR	STARK	44	4
CONTRACT NO. 68G38				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE BRIDGE	80% FED 20% STATE BRIDGE
				0059	0059
				S.N. 088-0021	S.N. 088-0022
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	4	4
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	666		666
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1436	770	666
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	8	4	4
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	8	4	4
X0320882	GUTTERS TO BE CLEANED	FOOT	462		462
X0322215	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	1		1
X0326344	GROUT SLURRY, SPECIAL	CU YD	2.2	1.75	0.45
X0326444	SURFACE FILLER (SPECIAL)	GALLON	4	2	2
X0327809	LINEAR DELINEATOR PANELS, 4 INCH	EACH	15	9	6
X1200234	SHOULDER INLET WITH CURB	EACH	1		1
X4810100	TEMPORARY SHOULDERS	SQ YD	135	45	90
X5030550	PROTECTIVE COAT (SPECIAL)	SQ YD	1215	670	545
X6050700	REMOVE INLET BOX	EACH	1		1

*= SPECIALTY ITEM

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PLOT DATE = 12/14/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B(BR);(B)BR-1)BDR	STARK	44	5
CONTRACT NO. 68G38			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE BRIDGE	80% FED 20% STATE BRIDGE
				0059	0059
				S.N.088-0021	S.N.088-0022
X7010101	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	EACH	2	1	1
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	96.4	33.2	63.2
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1599	860	739
Z0012162	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	1599	860	739
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	2		2
Z0041895	POLYMER CONCRETE	CU FT	10	5	5

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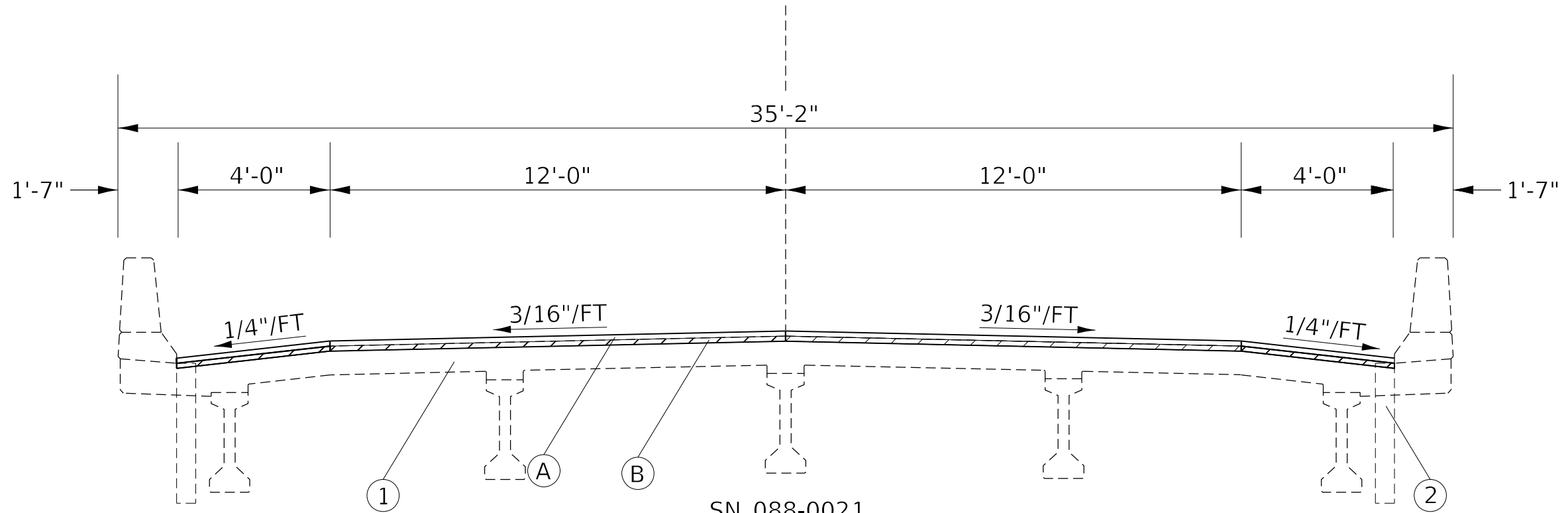
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B(BR);(B)BR-1)BDR	STARK	44	6
CONTRACT NO. 68G38			ILLINOIS FED. AID PROJECT	

CL IL 93 SPOON RIVER WEST & EAST FORK BRIDGE



SN 088-0021
FROM STA. 1379+32.72 TO STA. 1381+72.20

SN 088-0022
FROM STA. 1616+29.28 TO STA. 1618+35.82

EXISTING LEGENDS

- ① EXIST. PCC DECK, 7 1/2"
- ② EXIST. PCC DECK FLOOR DRAIN
- ③ EXIST. PCC PAVEMENT, 9"
- ④ EXIST. HMA OVERLAY, 9 3/4"
- ⑤ EXIST. HMA BASE COURSE WIDENING
- ⑥ EXIST. HMA SHOULDER, 6"
- ⑦ EXIST. AGGREGATE SHOULDER
- ⑧ EXIST. BITUMINOUS BASE COURSE, 8 3/4"
- ⑨ EXIST. FORESLOPE BIN TYPE RETAINING WALL
- ⑩ EXIST. 2 3/4" OVERLAY
- ⑪ EXIST. CURB

PROPOSED LEGEND

- Ⓐ PROP. BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4" (APPROACH INCLUDED)
- Ⓑ PROP. BRIDGE DECK SCARIFICATION 3/4" (APPROACH INCLUDED)
- Ⓒ PROP. HMA REMOVAL BUTT JOINT 2" MAX - SQUARED END

NOT TO SCALE

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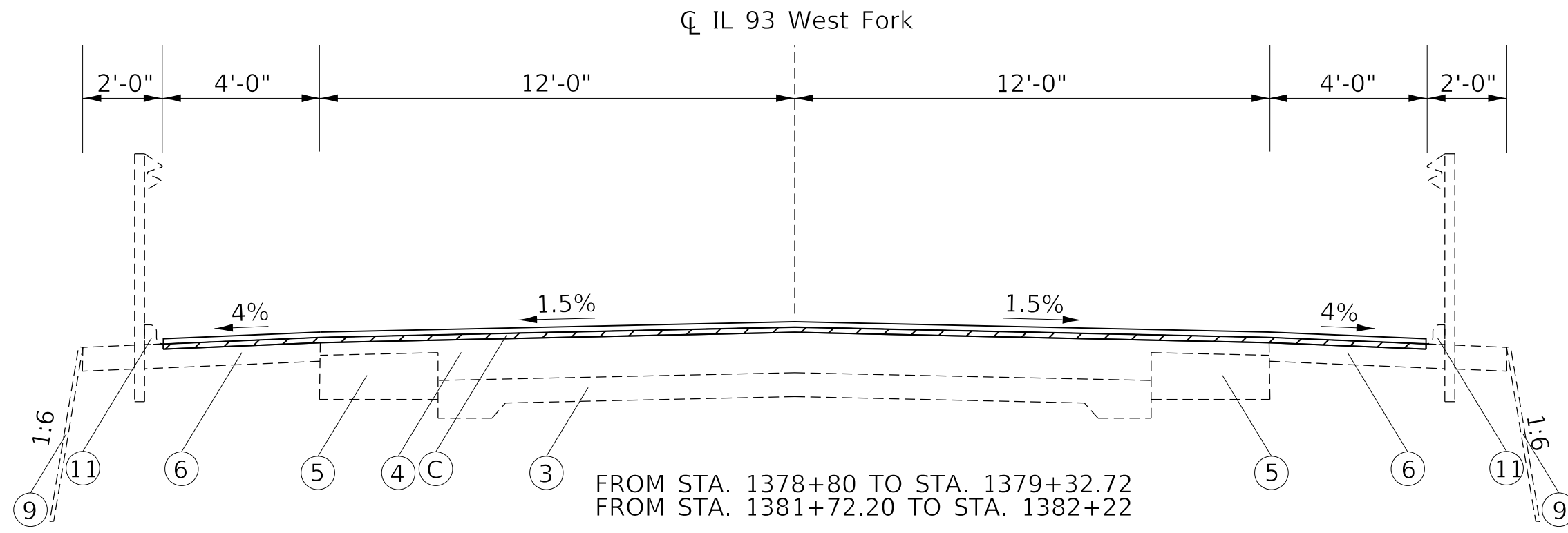
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SN 088-0021 & SN 088-0022
TYPICAL SECTION**

SCALE: N/A SHEET 1 OF 3 SHEETS STA. - TO STA. -

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106((B)BR:(B)BR-1)BDR	STARK	44	7
CONTRACT NO. 6G38				
ILLINOIS FED. AID PROJECT				



FROM STA. 1378+80 TO STA. 1379+32.72
 FROM STA. 1381+72.20 TO STA. 1382+22
 OMISSION SN 088-0021
 FROM STA. 1379+32.72 TO STA. 1381+72.20

- EXISTING LEGENDS**
- ① EXIST. PCC DECK, 7 1/2"
 - ② EXIST. PCC DECK FLOOR DRAIN
 - ③ EXIST. PCC PAVEMENT, 9"
 - ④ EXIST. HMA OVERLAY, 9 3/4"
 - ⑤ EXIST. HMA BASE COURSE WIDENING
 - ⑥ EXIST. HMA SHOULDER, 6"
 - ⑦ EXIST. AGGREGATE SHOULDER
 - ⑧ EXIST. BITUMINOUS BASE COURSE, 8 3/4"
 - ⑨ EXIST. FORESLOPE BIN TYPE RETAINING WALL
 - ⑩ EXIST. 2 3/4" OVERLAY
 - ⑪ EXIST. CURB

- PROPOSED LEGEND**
- Ⓐ PROP. BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4" (APPROACH INCLUDED)
 - Ⓑ PROP. BRIDGE DECK SCARIFICATION 3/4" (APPROACH INCLUDED)
 - Ⓒ PROP. HMA REMOVAL BUTT JOINT 2" MAX - SQUARED END

NOT TO SCALE

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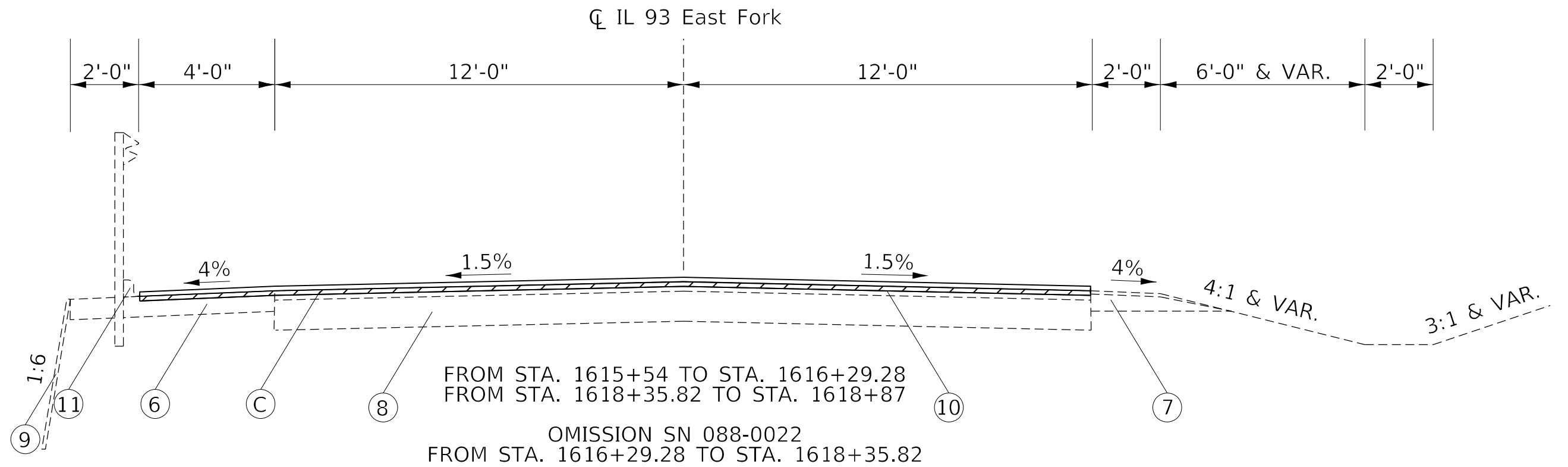
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY TYPICAL SECTION

SCALE: N/A SHEET 2 OF 3 SHEETS STA. - TO STA. -

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[(B)BR:(B)BR-1]BDR	STARK	44	8
CONTRACT NO. 68G38				
ILLINOIS FED. AID PROJECT				



EXISTING LEGENDS

- ① EXIST. PCC DECK, 7 1/2"
- ② EXIST. PCC DECK FLOOR DRAIN
- ③ EXIST. PCC PAVEMENT, 9"
- ④ EXIST. HMA OVERLAY, 9 3/4"
- ⑤ EXIST. HMA BASE COURSE WIDENING
- ⑥ EXIST. HMA SHOULDER, 6"
- ⑦ EXIST. AGGREGATE SHOULDER
- ⑧ EXIST. BITUMINOUS BASE COURSE, 8 3/4"
- ⑨ EXIST. FORESLOPE BIN TYPE RETAINING WALL
- ⑩ EXIST. 2 3/4" OVERLAY
- ⑪ EXIST. CURB

PROPOSED LEGEND

- Ⓐ PROP. BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4" (APPROACH INCLUDED)
- Ⓑ PROP. BRIDGE DECK SCARIFICATION 3/4" (APPROACH INCLUDED)
- Ⓒ PROP. HMA REMOVAL BUTT JOINT 2" MAX - SQUARED END

NOT TO SCALE

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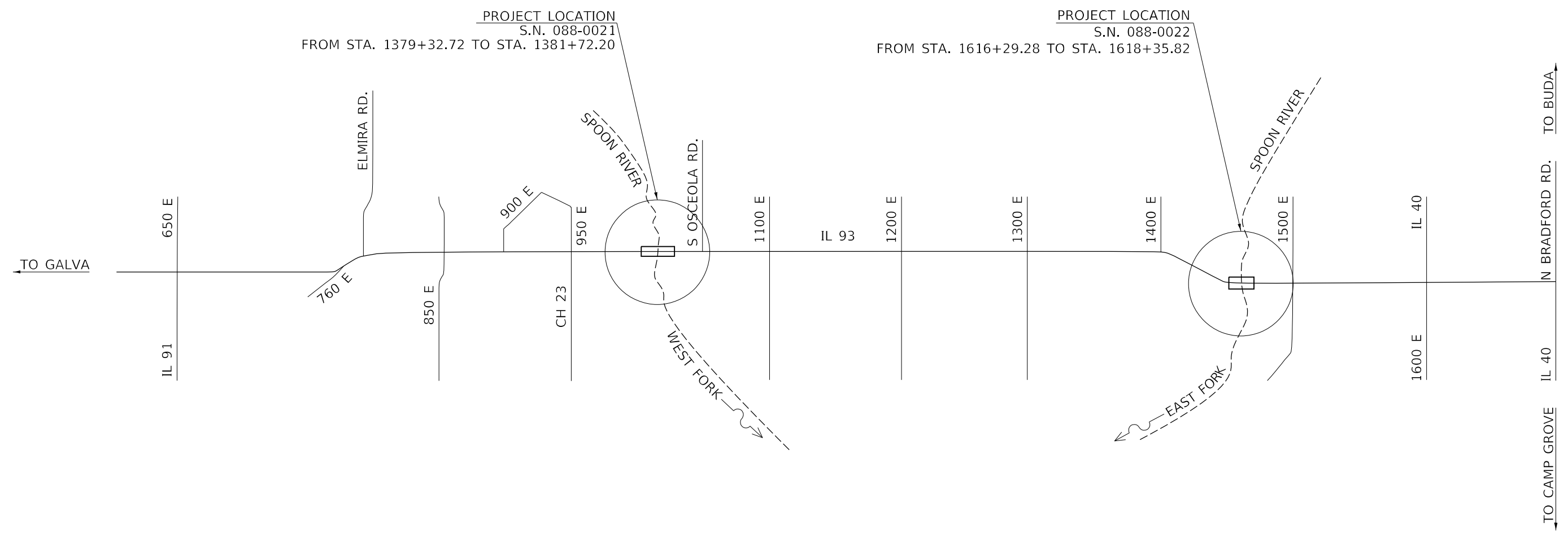
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY TYPICAL SECTION

SCALE: N/A SHEET 3 OF 3 SHEETS STA. - TO STA. -

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[(B)BR;(B)BR-1]BDR	STARK	44	9
CONTRACT NO. 68G38				
ILLINOIS FED. AID PROJECT				



BRADFORD

NOT TO SCALE

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LINE DIAGRAM

SCALE: SHEET \$S OF \$0S SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[(B)BR;(B)BR-1]BDR	STARK	44	10
CONTRACT NO. 68G38				
ILLINOIS FED. AID PROJECT				

MAINLINE BUTT JOINT SCHEDULE							
LOCATION	LENGTH	WIDTH	AREA	HMA SURFACE REMOVAL BUTT JOINT	POLY BIT MAT TACK COAT	HMA SURF CSE IL 9.5 N50 MIX C 2 INCHES	
	FOOT	FOOT	SQ YD	SQ YD	POUND	TON	
SN 088-0021							
STA 1378+80 TO STA 1379+30	50	32	178	178	128	19.9	
STA 1381+72 TO STA 1382+22	50	32	178	178	128	19.9	
SUB-TOTAL				356	256	39.8	
SN 088-0022							
STA 1615+54 TO STA 1616+29	75	26	217	217	156	24.3	
STA 1618+37 TO STA 1618+87	50	32	178	178	128	19.9	
SUB-TOTAL				395	284	44.2	
TOTAL				751	540	84	

DRAINAGE SCHEDULE											
LOCATION	CURB REMOVAL	GUTTER REMOVAL	REMOVE INLET BOX	PIPE CULVERT REMOVAL	CONCRETE CURB TYPE B	COMB. CONC. CURB & GUTTER TYPE B-6.12	GUTTERS TO BE CLEANED	SHOULDER INLET WITH CURB	FILTER FABRIC	STONE RIPRAP CLASS B3	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS
	FOOT	FOOT	EACH	FOOT	FOOT	FOOT	FOOT	EACH	SQ YD	TON	EACH
SN 088-0021											
RT STA 1377+98.00 TO STA 1378+15.00	17				17						
RT STA 1379+35.00 TO STA 1379+38.00	3				3						
LT STA 1379+59.50 TO STA 1379+62.50	3			30	3				27	17.8	
RT STA 1379+73.50 TO STA 1379+76.50	3			30	3				27	17.8	
RT STA 1382+51.00 TO STA 1383+01.00	50				50						
LT STA 1383+55.00 TO STA 1384+85.00	130				130						
SUB TOTAL	206			60	206				54	35.6	
SN 088-0022											
RT STA 1610+00.00 TO STA 1614+62.00							462				
RT STA 1616+32.50 TO STA 1616+34.50	2		1	30	2			1	44	29.6	
RT STA 1614+62.00 TO STA 1616+32.00		170				170					
LT STA 1617+43.00											1
LT STA 1618+78.00 TO STA 1619+93.00	115				115						
RT STA 1618+86.00 TO STA 1620+29.00	143				143						
SUB TOTAL	260	170	1	30	260	170	462	1	44	29.6	1
TOTAL	466	170	1	90	466	170	462	1	98	65.2	1

CHANGEABLE MESSAGE SIGN	
LOCATION	CAL DA
IL 93	
SN 088-0021	14
SN 088-0022	14
TOTAL	28

*TWO SIGNS @ 7 DAYS EACH PER STRUCTURE

MOBILIZATION	
LOCATION	L SUM
IL 93	1
SUB-TOTAL	1
TOTAL	1

ENGINEER'S FIELD OFFICE, TYP A	
LOCATION	CAL MO
IL 93	3
SUB-TOTAL	3
TOTAL	3

TEMPORARY SHOULDER SCHEDULE		
LOCATION	LEGTH	TEMPORARY SHOULDER
	FOOT	SQ YD
SN 088-0021		
RT STA 1377+21.00 TO STA 1377+71.00	50	16.7
RT STA 1382+77.00 TO STA 1383+37.00	60	20
LT STA 1377+60.00 TO STA 1377+85.00	25	8.3
SUB-TOTAL		45
SN 088-0022		
RT STA 1614+62.00 TO STA 1616+32.00	170	57
LT STA 1614+95.00 TO STA 1615+95.00	100	33
SUB-TOTAL		90
TOTAL		135

VOID GROUTING SCHEDULE		
LOCATION	GROUT SLURRY (SPECIAL) CU YD	
SN 088-0021		
LT STA 1379+51.00	0.2	
LT STA 1379+51.00	0.3	
RT STA 1379+66.00	0.5	
RT STA 1379+66.00	0.4	
LT STA 1381+38.00	0.05	
RT STA 1381+50.00	0.3	
SUB-TOTAL		1.75
SN 088-0022		
RT STA 1618+13.00	0.45	
SUB-TOTAL		0.45
TOTAL		2.2

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[B(BR):(B)BR-1]BDR	STARK	44	11
CONTRACT NO. 68G38				
ILLINOIS FED. AID PROJECT				

GUARDRAIL SCHEDULE									
LOCATION	SIDE LT/RT	LENGTH OF NEED	GUARDRAIL REM	STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FT POSTS	TBT TYPE 1 (SPL) TANGENT	TRAFFIC BARRIER TERMINAL TYPE 1B	TERMINAL MARKER DIRECT APPLIED	LINEAR DELINEATOR PANELS 4 INCH	GUARDRAIL AGG EROSION CONTROL
		FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	TON
SN 088-0021									
STA 1378+09.5 TO STA 1379+47	RI	137.5	250.0	212.5	1		1	3	19.6
STA 1378+56.3 TO STA 1379+38	LT	81.7	150.0	112.5	1		1	1	1.2
STA 1381+64 TO STA 1382+41.5	RT	77.5	112.5	75.0	1		1	1	1.6
STA 1381+58 TO STA 1384+74	LT	128.8	325.0	287.5	2		1	4	10.8
SUB-TOTAL			837.5	687.5	5		4	9	33.2
SN 088-0022									
STA 1614+87.7 TO STA 1616+36	RT	148.3	25.0	137.5		1	1	2	30.5
STA 1615+58.7 TO STA 1616+36	LT	77.3	50.0	75	1		1	1	10.7
STA 1618+21 TO STA 1616+92.5	RT	137.2	162.5	125	1		1	2	10.1
STA 1618+30 TO STA 1619+83.8	LT	128.2	162.5	125	1		1	2	11.9
SUB-TOTAL			400.0	462.5	3	1	4	6	63.2
TOTAL			1237.5	1150	8	1	8	15	96.4

TRAFFIC CONTROL & PROTECTION SCHEDULE									
LOCATION	TEMPORARY CONCRETE BARRIER		RELOCATE TEMPORARY CONCRETE BARRIER		TEMPORARY BRIDGE TRAFFIC SIGNALS	IMP ATTN NRD TL3	IMP ATTN REL NRD TL3	TC & PROT 701201*	TC & PROT 701321
	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	
088-0021	528.9	538	529	538	1	2	2	1	1
SUB-TOTAL									
088-0022	482.8	500	495	500	1	2	2	1	1
SUB-TOTAL									
TOTAL									
1038									
1038									
2									
4									
4									
2									
2									

*STD 701201 SHALL BE USED TO INSTALL 701321. WHEN FLAGGING AND SIGNALS PRESENTS, THE SIGNALS SHALL BE OFF OR IN RED FLASH.

MAINLINE PAVEMENT MARKING SCHEDULE							
LOCATION	LENGTH	MODIFIED URETHANE PAVEMENT MARKING			RAISED REFLECTIVE PAVEMENT MARKERS		
		4" LINE	6" LINE		REMOVAL	TWO-WAY AMBER	
		DOUBLE YELLOW	SOLID WHITE	SKIP-DASH YELLOW			
FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	
SN 088-0021							
STA 1378+80.00 TO STA 1382+22.00	342.0		684	86	4	4	
SUB-TOTAL			684	86	4	4	
SN 088-0022							
STA 1615+54.00 TO STA 1618+87.00	333.0	666	666	0	4	4	
SUB-TOTAL		666	666	0	4	4	
TOTAL		666		1436	8	8	

MAINLINE SHORT TERM PAVEMENT MARKING SCHEDULE				
LOCATION	LENGTH	SHORT TERM PAVEMENT MARKING	SHORT TERM PVTM MARKING	PAVEMENT MARKING
		4" LINE	REMOVAL	BLACKOUT TAPE
	FOOT	FOOT	SQ FT	FOOT
SN 088-0021				
STAGE 1		1447	808	652
STAGE 2		1448	808	651
SUB-TOTAL		2895	1616	1303
SN 088-0022				
STAGE 1		1527	1075	1133
STAGE 2		1351	1004	1108
SUB-TOTAL		2877	2080	2241
TOTAL		5772	3696	3544

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PLOT DATE = 12/14/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B)(BR):(B)BR-1)BDR	STARK	44	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G38	



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PLOT DATE = 12/14/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATUS OF UTILITIES			
SN 088-0021			
SCALE: N/A	SHEET 1	OF 2 SHEETS	STA. 1373+65.6 TO STA. 1389+00.0

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[(B)BR;(B)BR-1]BDR	STARK	44	13
CONTRACT NO. 68G38				
ILLINOIS FED. AID PROJECT				



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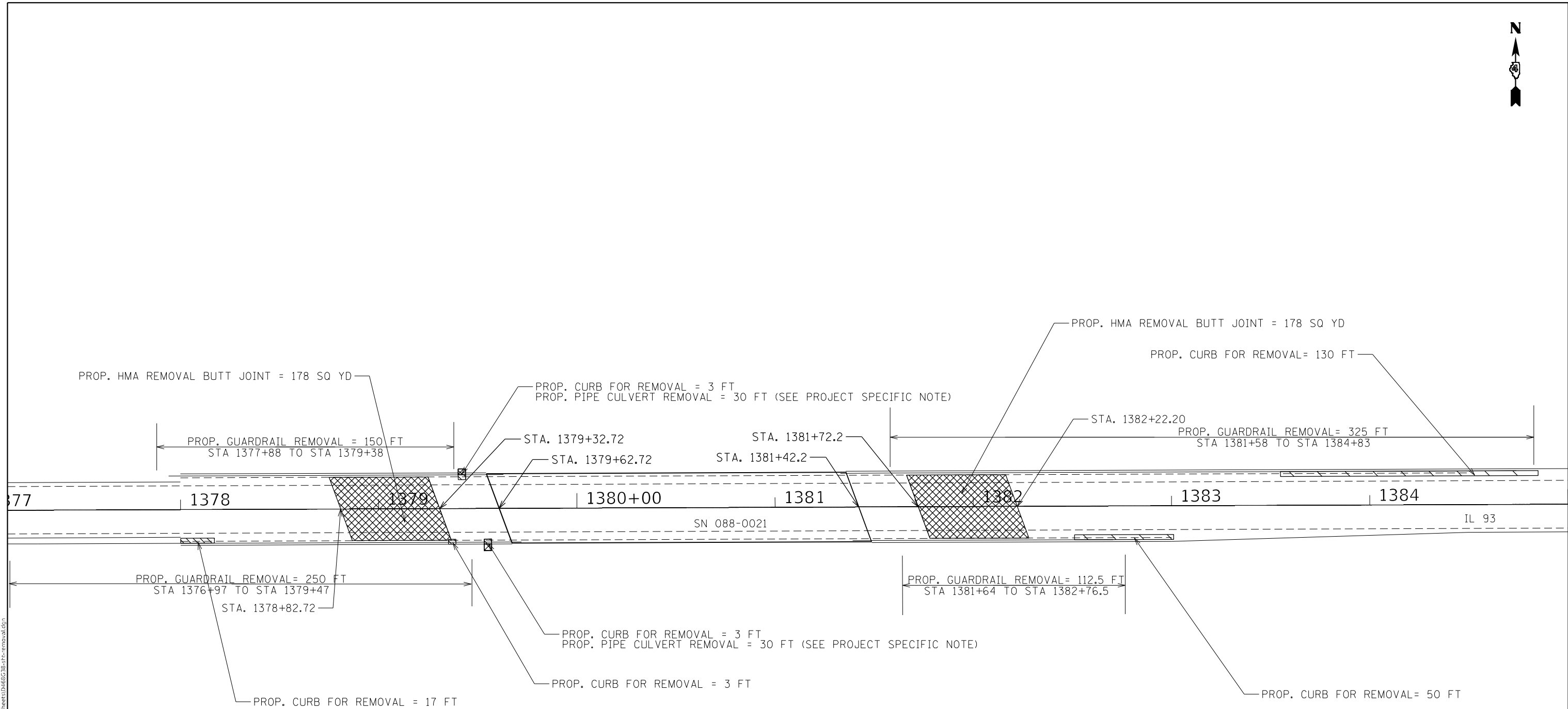
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PLOT DATE = 12/14/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATUS OF UTILITIES
SN 088-0022

SCALE: N/A SHEET 1 OF 2 SHEETS STA. 1607+75.1 TO STA. 1623+28.0

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[(B)BR;(B)BR-1]BDR	STARK	44	14
			CONTRACT NO. 68G38	
		ILLINOIS	FED. AID PROJECT	



LEGEND	
	PROP. CURB FOR REMOVAL (FT)
	PROP. PIPE CULVERT REMOVAL (FT)
	PROP. GUTTER FOR REMOVAL (FT)
	PROP. HMA REMOVAL BUTT JOINT (SQ YD)

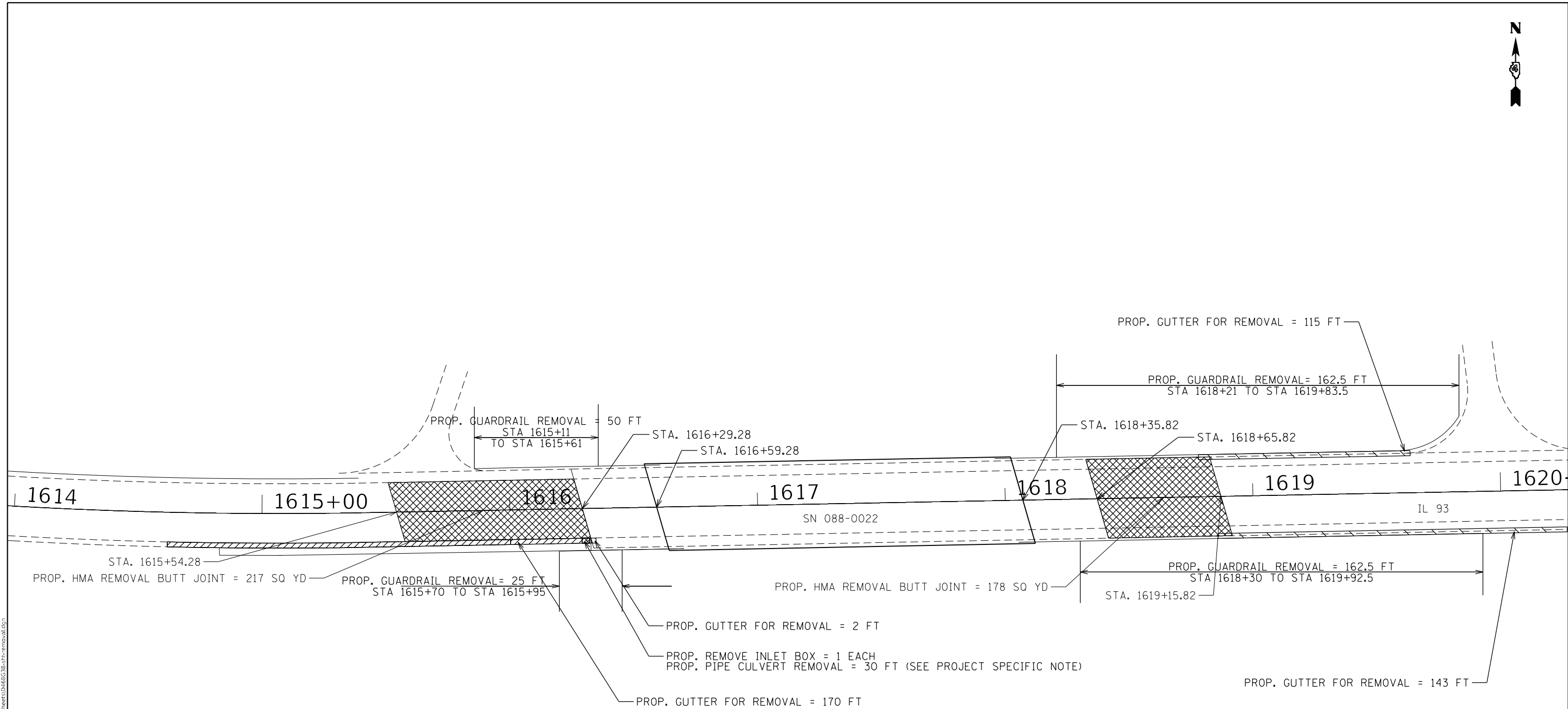
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PLOT DATE = 12/14/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST FORK REMOVAL PLAN VIEW			
SN 088-0021			
SCALE: N/A	SHEET 1	OF 2 SHEETS	STA. 1377+53.6 TO STA. 1383+71.3

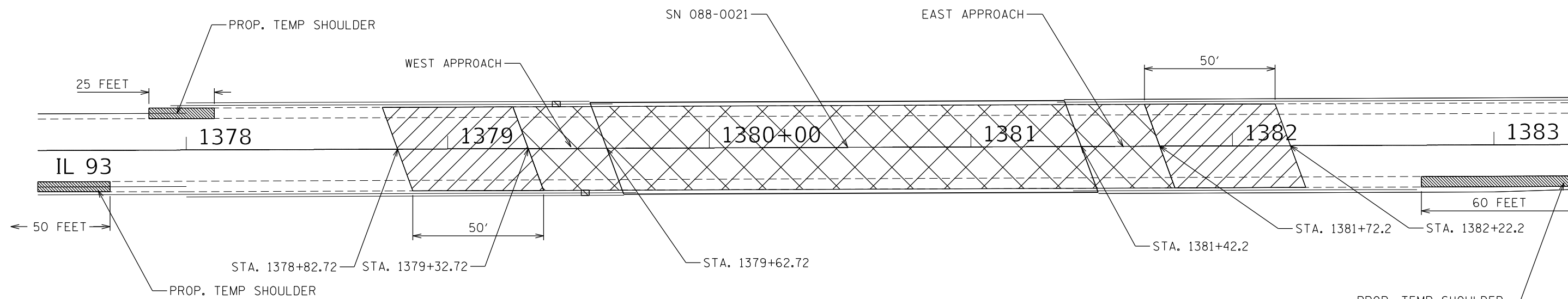
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B)BR:(B)BR-1)BDR	STARK	44	15
CONTRACT NO. 68G38			ILLINOIS FED. AID PROJECT	



LEGEND	
	PROP. CURB FOR REMOVAL (FT)
	PROP. PIPE CULVERT REMOVAL (FT)
	PROP. GUTTER FOR REMOVAL (FT)
	PROP. HMA REMOVAL BUTT JOINT (SQ YD)

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 PLOT DATE: 12/14/2022

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			SCALE: N/A SHEET 2 OF 2 SHEETS STA. 1613+98.2 TO STA. 1620+27.3				



LEGEND

- PROP. HOT-MIX ASPHALT BUTT JOINT (SEE BUTT JOINT DETAIL)
- PROP. BRIDGE DECK SCARIFICATION 3/4"
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"
- PROP. COMBINATION CURB AND GUTTER
- PROP. TEMP SHOULDER (SEE STAGING DETAILS)

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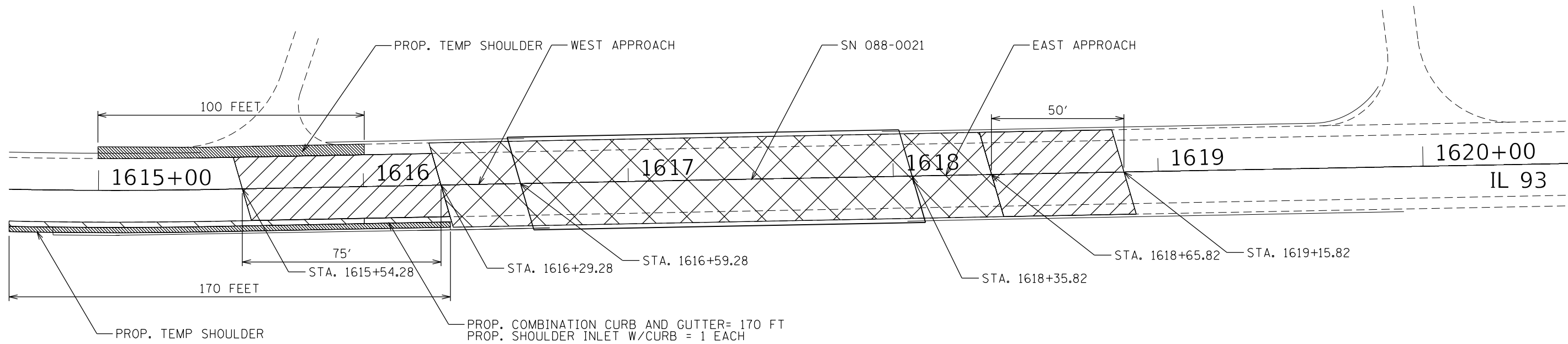
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WEST FORK PLAN VIEW
SN 088-0021**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. 1377+43.2 TO STA. 1383+32.2

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[(B)BR:(B)BR-1]BDR	STARK	44	17
CONTRACT NO. 68G38			ILLINOIS FED. AID PROJECT	



LEGEND

- PROP. HOT-MIX ASPHALT BUTT JOINT (SEE BUTT JOINT DETAIL)
- PROP. BRIDGE DECK SCARIFICATION 3/4"
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"
- PROP. COMBINATION CURB AND GUTTER
- PROP. TEMP SHOULDER (SEE STAGING DETAILS)

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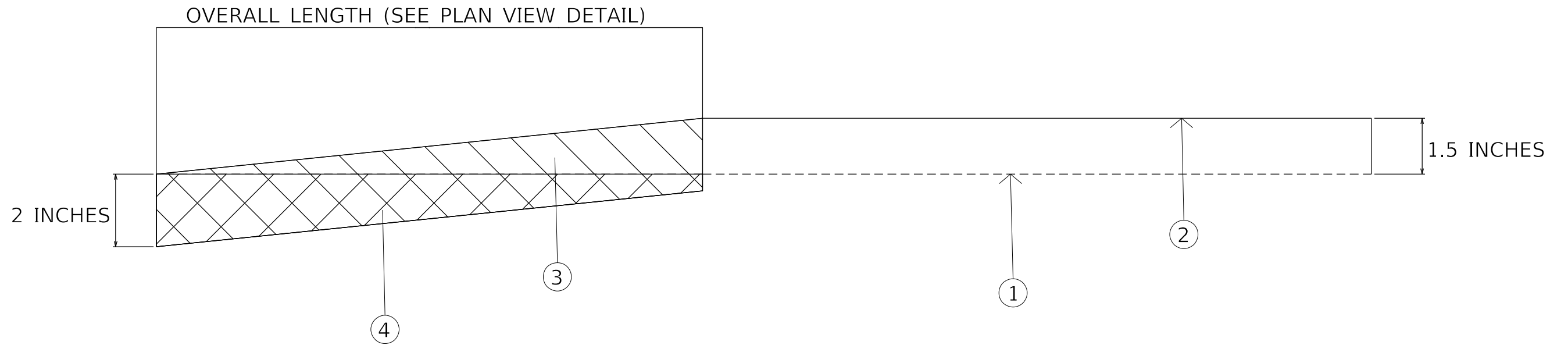
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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST FORK PLAN VIEW
SN 088-0022

SCALE: N/A SHEET 2 OF 2 SHEETS STA. 1614+66.2 TO STA. 1620+55.3

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[(B)BR;(B)BR-1]BDR	STARK	44	18
CONTRACT NO. 68G38			ILLINOIS FED. AID PROJECT	



LEGEND	
①	EXIST. PAVEMENT SURFACE
②	PROP. 1.5 INCHES OVERLAY
③	PROP. 2 INCHES HMA BUTT JOINT 
④	PROP. SURFACE REMOVAL BUTT JOINT 

NOT TO SCALE

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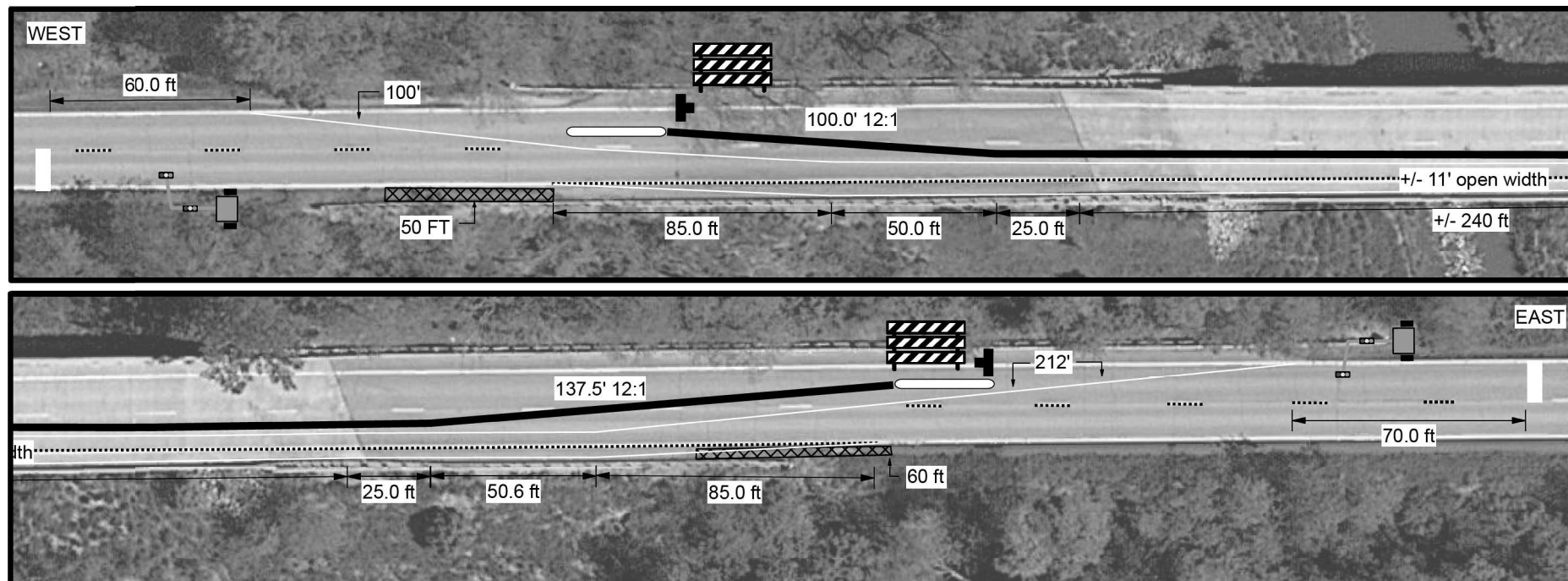
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 93 PROPOSED BUTT JOINT DETAIL
SN 088-0021 & SN 088-0022**

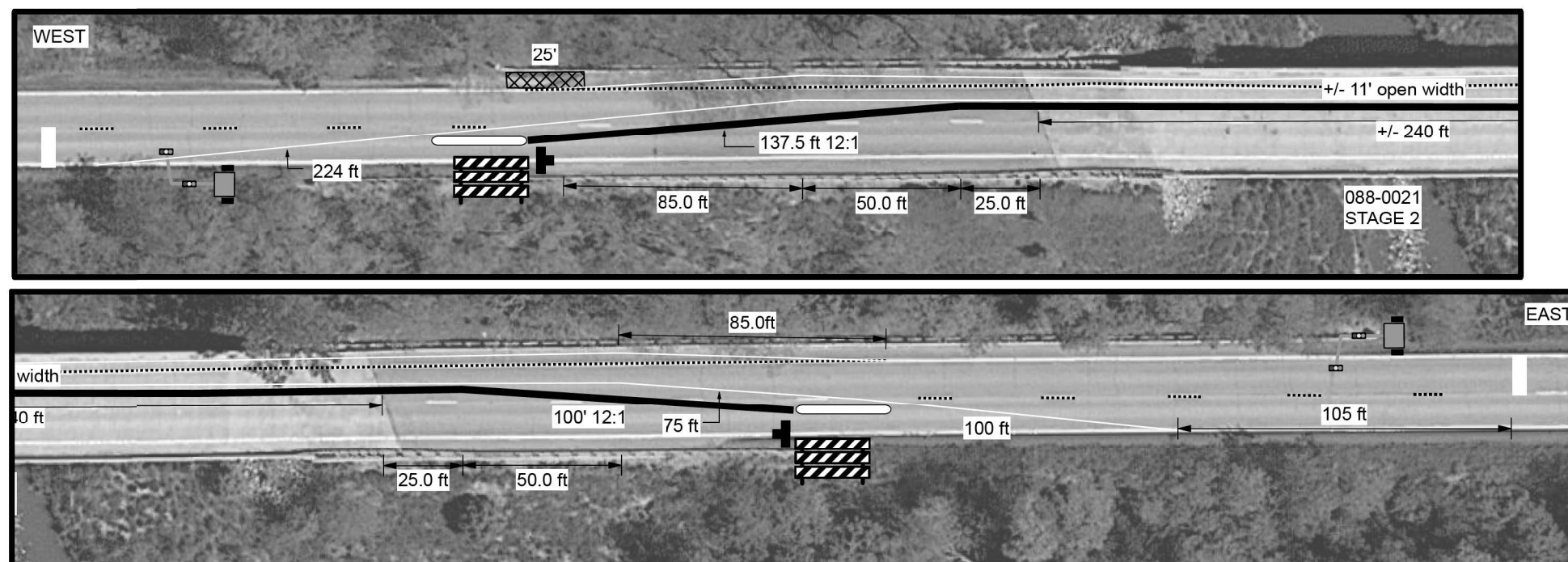
SCALE: N/A SHEET 1 OF 2 SHEETS STA. 1376+60 TO STA. 1385+70

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[(B)BR;(B)BR-1]BDR	STARK	44	19
CONTRACT NO. 68G38			ILLINOIS FED. AID PROJECT	

088-0021 STAGE 1



088-0021 STAGE 2



STAGING DETAIL LEGEND

- ▒▒▒▒▒ LOCATIONS OF TEMPORARY SHOULDER (088-0021- SW LOCATION WILL UTILIZE NEWLY CONSTRUCTED SHOULDER FOR STAGING)
- TEST LEVEL 3, NON-REDIRECTIVE TEMPORARY NARROW ATTENUATOR
- TEMPORARY PAVEMENT MARKING BLACK-OUT TAPE

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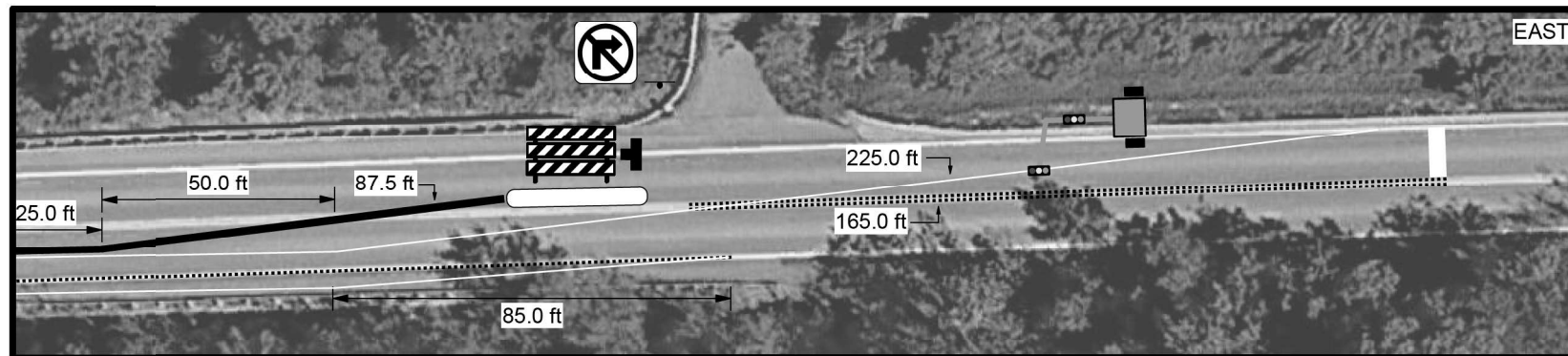
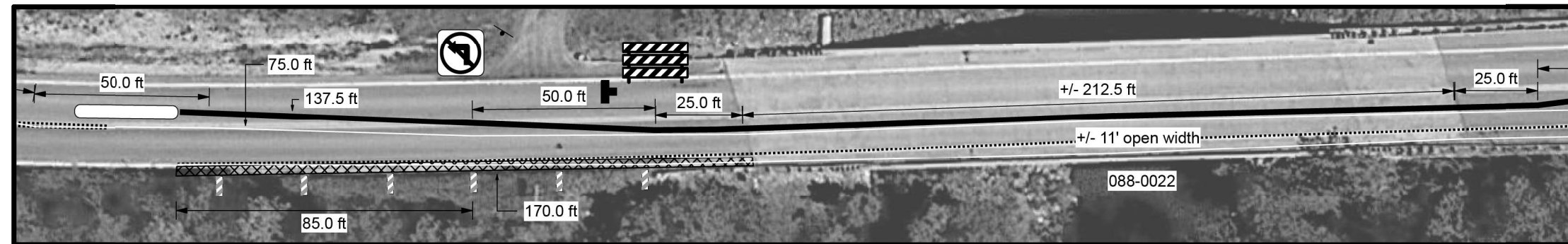
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING DETAIL
SN 088-0021**

SCALE: N/A SHEET 1 OF 5 SHEETS STA. 1376+00 TO STA. 1387+00

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B(BR):(B)BR-1)BDR	STARK	44	20
CONTRACT NO. 68G38				
ILLINOIS FED. AID PROJECT				

088-0022 STAGE 1



STAGING DETAIL LEGEND

- ▨▨▨▨ LOCATIONS OF TEMPORARY SHOULDER (088-0021- SW LOCATION WILL UTILIZE NEWLY CONSTRUCTED SHOULDER FOR STAGING)
- TEST LEVEL 3, NON-REDIRECTIVE TEMPORARY NARROW ATTENUATOR
- TEMPORARY PAVEMENT MARKING BLACK-OUT TAPE

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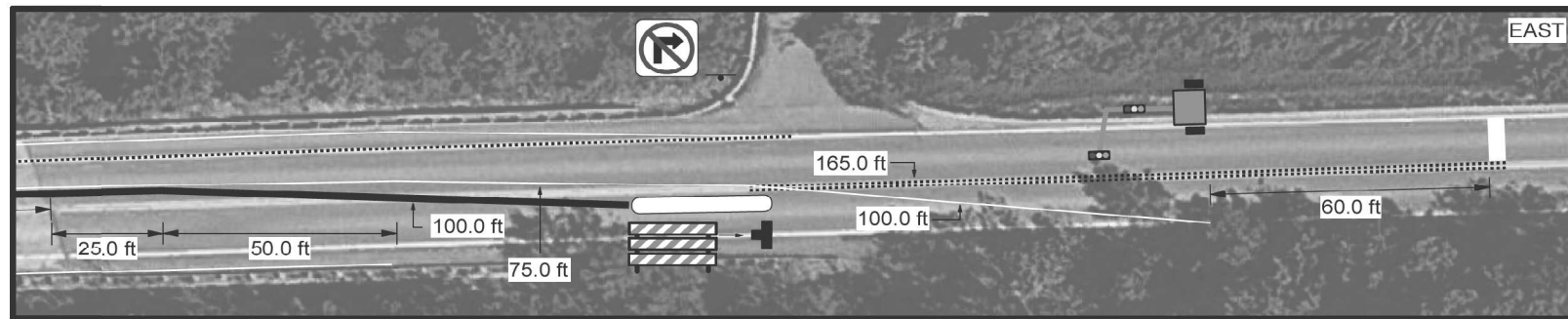
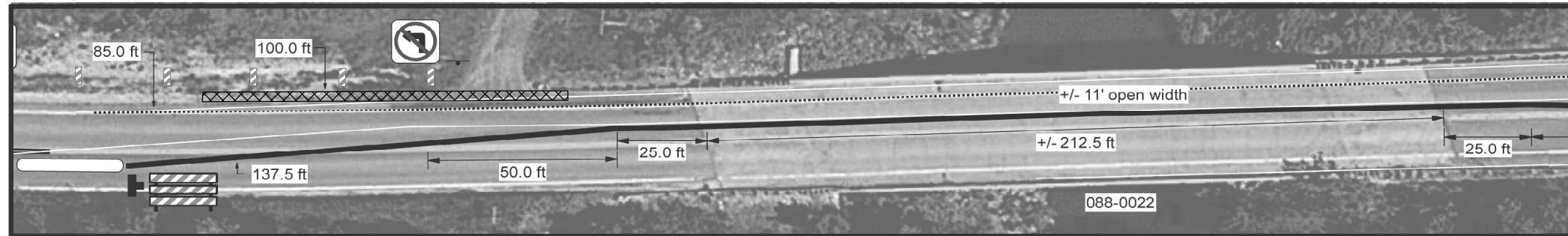
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DETAIL
SN 088-0022

SCALE: N/A SHEET 2 OF 5 SHEETS STA. 1607+00 TO STA. 1622+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B(BR);(B)BR-1)BDR	STARK	44	21
CONTRACT NO. 68G38			ILLINOIS FED. AID PROJECT	

088-0022 STAGE 2



STAGING DETAIL LEGEND

- ▨▨▨▨ LOCATIONS OF TEMPORARY SHOULDER (088-0021- SW LOCATION WILL UTILIZE NEWLY CONSTRUCTED SHOULDER FOR STAGING)
- ▭ TEST LEVEL 3, NON-REDIRECTIVE TEMPORARY NARROW ATTENUATOR
- TEMPORARY PAVEMENT MARKING BLACK-OUT TAPE

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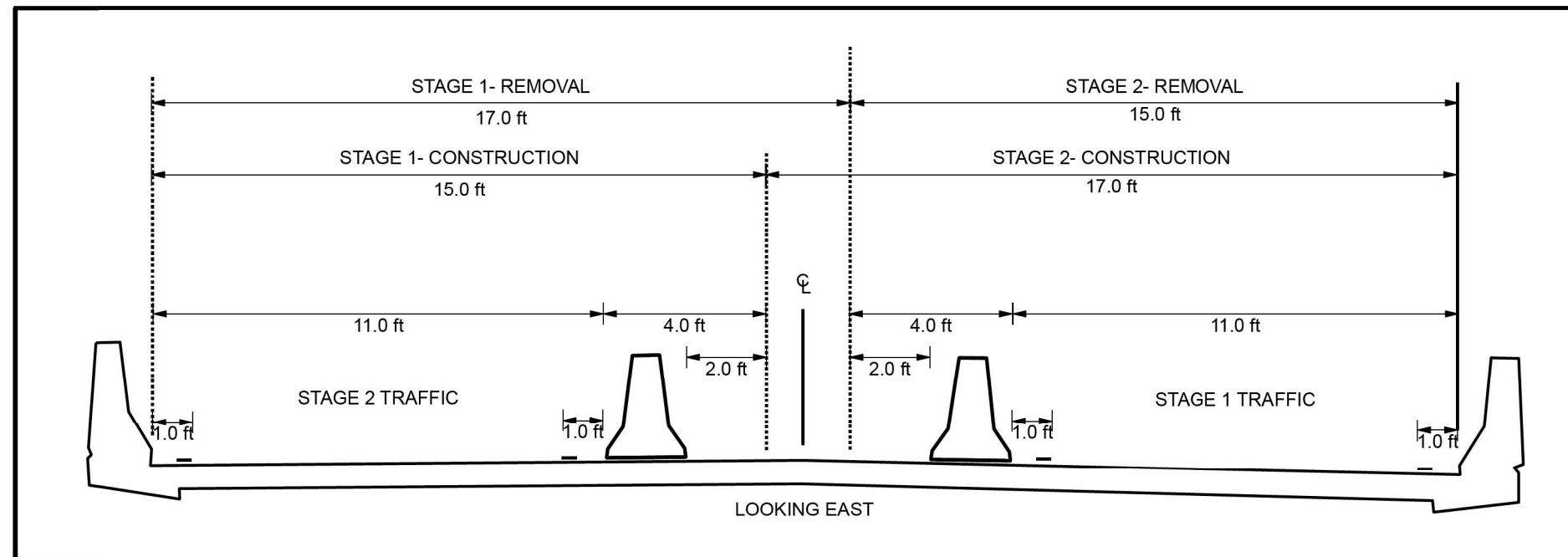
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PLOT DATE = 12/14/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DETAIL
SN 088-0022

SCALE: N/A SHEET 3 OF 5 SHEETS STA. 1607+00 TO STA. 1622+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B(BR):(B)BR-1)BDR	STARK	44	22
CONTRACT NO. 68G38			ILLINOIS FED. AID PROJECT	



TYPICAL-STAGING 088-0021 & 088-0022

STAGING NOTES

STAGING DETAILS SUPPLEMENT STD. 701321. ALL SIGNING, DEVICES, AND ETC. AS SHOWN ON STD. 701321 SHALL APPLY. TEMPORARY RUMBLE STRIPS SHALL BE USED ON BOTH SIDES OF EACH STRUCTURE.

STD. 701201 SHALL BE USED TO INSTALL 701321. WHEN FLAGGING AND SIGNALS PRESENT, THE SIGNALS SHALL BE OFF OR IN RED FLASH.

STAGING DETAILS ARE SUBJECT TO CHANGE DUE TO EXISTING FIELD CONDITIONS.

ONE MESSAGE BOARD SHALL BE PLACED ON EACH SIDE OF EACH STRUCTURE FOR SEVEN (7) DAYS IN ADVANCE OF WORK STARTING.

STAGING DETAIL LEGEND

- ▣▣▣▣ LOCATIONS OF TEMPORARY SHOULDER (088-0021- SW LOCATION WILL UTILIZE NEWLY CONSTRUCTED SHOULDER FOR STAGING)
- TEST LEVEL 3, NON-REDIRECTIVE TEMPORARY NARROW ATTENUATOR
- TEMPORARY PAVEMENT MARKING BLACK-OUT TAPE

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PLOT DATE = 12/14/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING DETAIL
TYPICALS AND NOTES**

SCALE: N/A SHEET 4 OF 5 SHEETS STA. 1376+00 TO STA. 1622+00

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B(BR):(B)BR-1)BDR	STARK	44	23
CONTRACT NO. 68G38				
ILLINOIS		FED. AID PROJECT		

SUGGESTED STAGING

SN 088-0021

PRESTAGE:

CONSTRUCTION:	TRAFFIC CONTROL AND PROTECTION:
CONSTRUCT TEMPORARY SHOULDER INSTALL TRAFFIC CONTROL 701321	701201 WITH FLAGGERS AND TRAFFIC SIGNALS

STAGE 1:

CONSTRUCTION:	TRAFFIC CONTROL AND PROTECTION:
COMPLETE BRIDGE OVERLAY LEFT SIDE LOOKING EAST COMPLETE BUTT JOINT FROM APPROACH TO ROADWAY COMPLETE DRAINAGE WORK COMPLETE GUARDRAIL WORK	701321

STAGE 2:

CONSTRUCTION:	TRAFFIC CONTROL AND PROTECTION:
COMPLETE BRIDGE OVERLAY RIGHT SIDE LOOKING EAST COMPLETE BUTT JOINT FROM APPROACH TO ROADWAY WITH TRAFFIC SIGNALS COMPLETE DRAINAGE WORK COMPLETE GUARDRAIL WORK	701321

SUGGESTED STAGING

SN 088-0022

PRESTAGE:

CONSTRUCTION:	TRAFFIC CONTROL AND PROTECTION:
CONSTRUCT TEMPORARY SHOULDER REMOVE CONCRETE V-GUTTER COMPLETE CONCRETE GUTTER COMPLETE SHOULDER INLET WITH CURB INSIALL TRAFFIC CONIROL 701321	701201 WITH FLAGGERS AND TRAFFIC SIGNALS

STAGE 1:

CONSTRUCTION:	TRAFFIC CONTROL AND PROTECTION:
COMPLETE BRIDGE OVERLAY LEFT SIDE LOOKING EAST COMPLETE BUTT JOINT FROM APPROACH TO ROADWAY COMPLETE DRAINAGE WORK COMPLETE GUARDRAIL WORK	701321

STAGE 2:

CONSTRUCTION:	TRAFFIC CONTROL AND PROTECTION:
COMPLETE BRIDGE OVERLAY RIGHT SIDE LOOKING EAST COMPLETE BUTT JOINT FROM APPROACH TO ROADWAY COMPLETE DRAINAGE WORK COMPLETE GUARDRAIL WORK	701321

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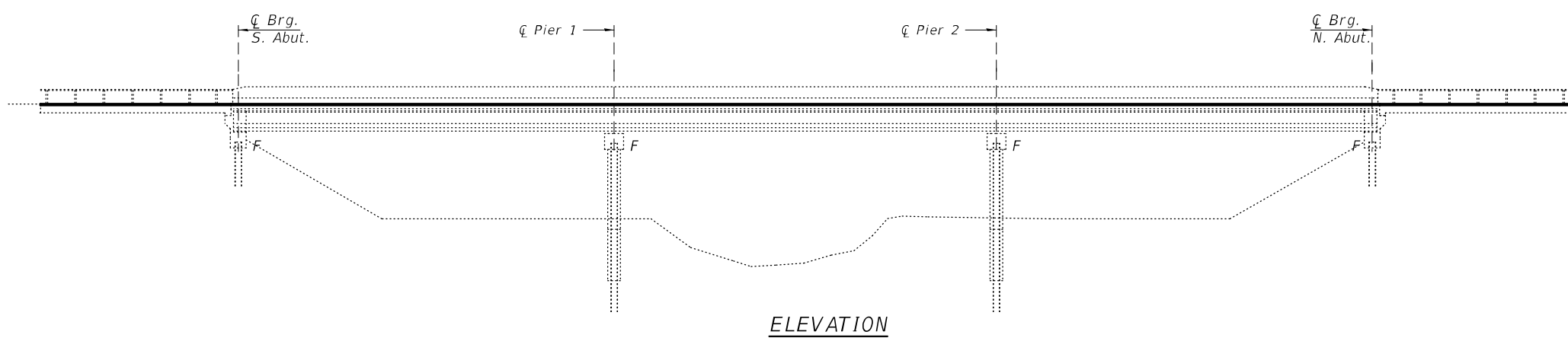
USER NAME = Jacob.Weck	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DETAIL
TYPICALS AND NOTES

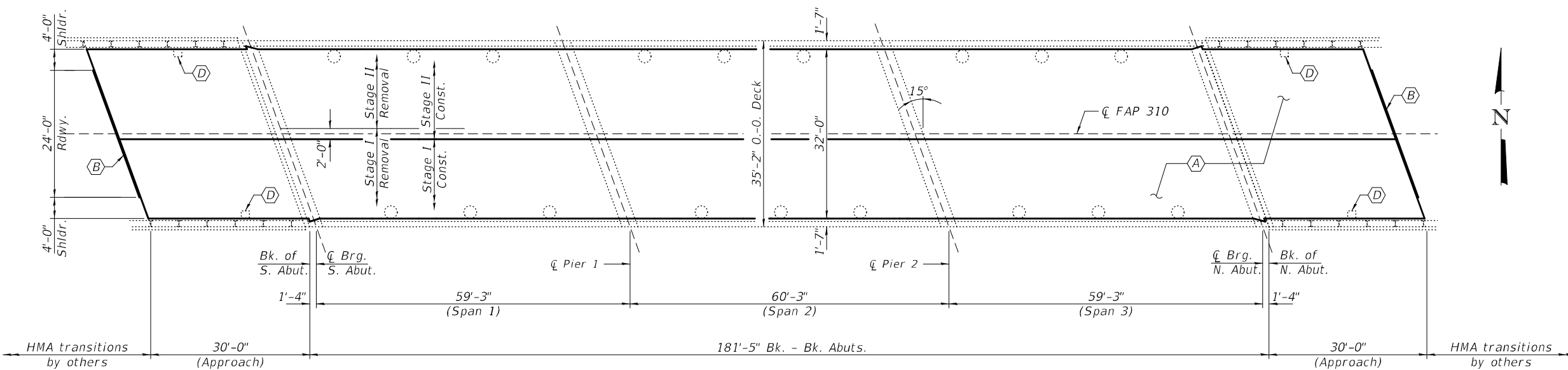
SCALE: N/A SHEET 5 OF 5 SHEETS STA. 1376+00 TO STA. 1622+00

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B(BR);(B)BR-1)BDR	STARK	44	24
CONTRACT NO. 68G38			ILLINOIS FED. AID PROJECT	



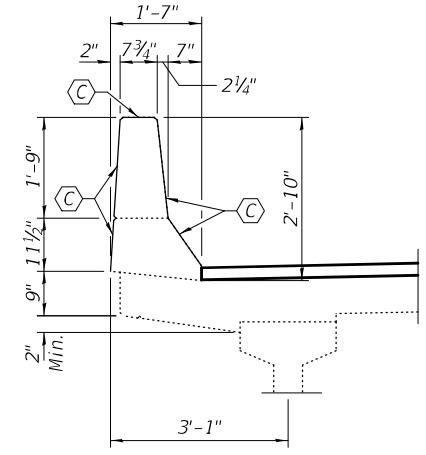
ELEVATION

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

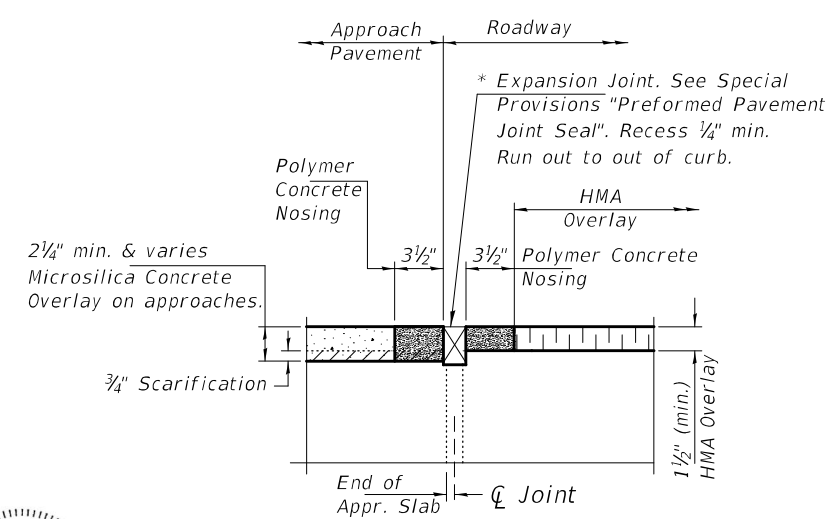


PLAN

- (A) - Bridge Deck Scarification $\frac{3}{4}$ " and $2\frac{1}{4}$ " Microsilica Concrete Overlay.
- (B) - Polymer Concrete Nosing (See Repair B).
- (C) - Apply surface filler and protective coat to the Parapets. See Special provisions.
- (D) - Approach Inlet Grate Adjustment.



REPAIR C



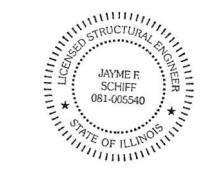
REPAIR B

* Cost included with Polymer Concrete

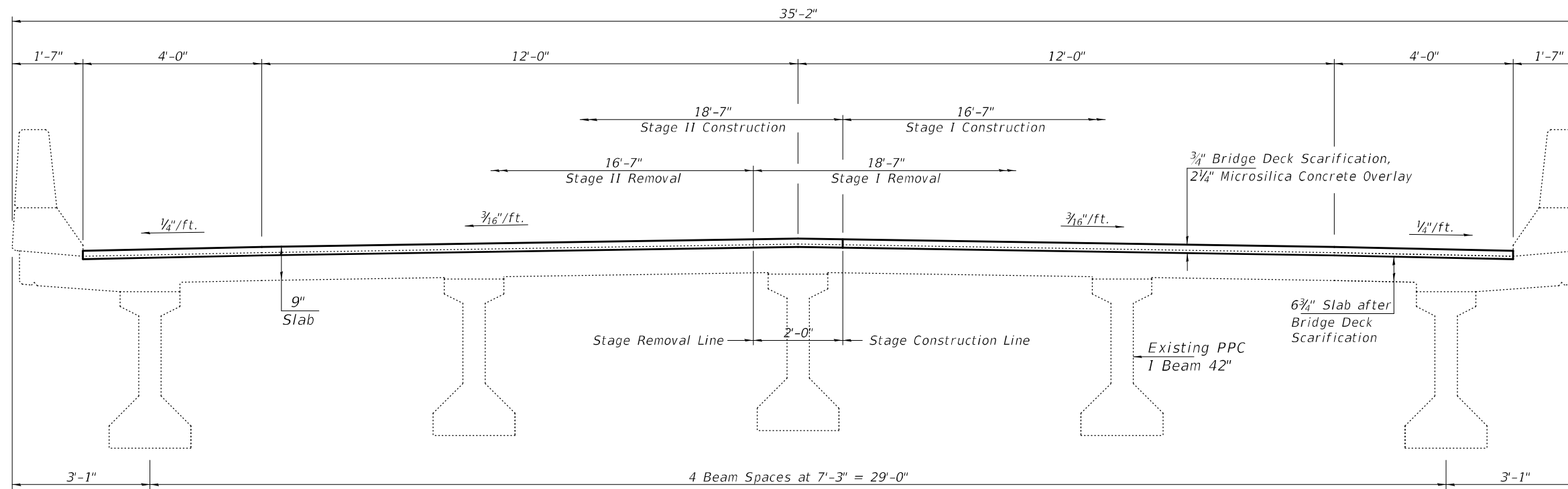
TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Bridge Deck Microsilica Concrete Overlay, $2\frac{1}{4}$ "	Sq. Yd.	860
Bridge Deck Scarification, $\frac{3}{4}$ "	Sq. Yd.	860
Protective Coat	Sq. Yd.	860
Bridge Deck Grooving	Sq. Yd.	805
Polymer Concrete	Cu. Ft.	5.0
Protective Coat (Special)	Sq. Yd.	670
Surface Filler (Special)	Gallon	2
Inlets to be Adjusted	Each	4

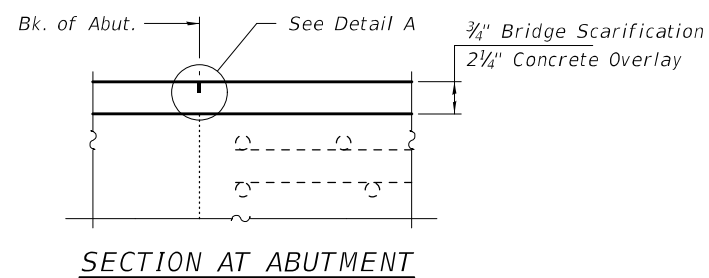
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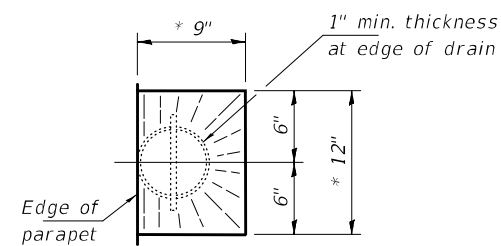
EXPIRES 11-30-2024



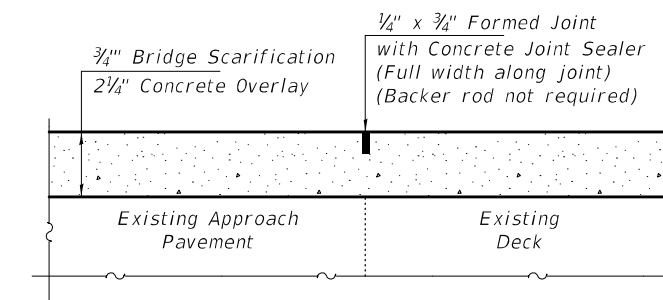
CROSS SECTION 086-0040 (EB)
(Looking East)



SECTION AT ABUTMENT



DRAIN DETAIL
* slope to drain



DETAIL A

DESIGNED - ATH
CHECKED - CCC
DRAWN - Venkat Ramana Reddy
CHECKED - ATH CCC

PASSED

Jaime F. [Signature]
ENGINEER OF BRIDGES AND STRUCTURES

DATE - January 31, 2023

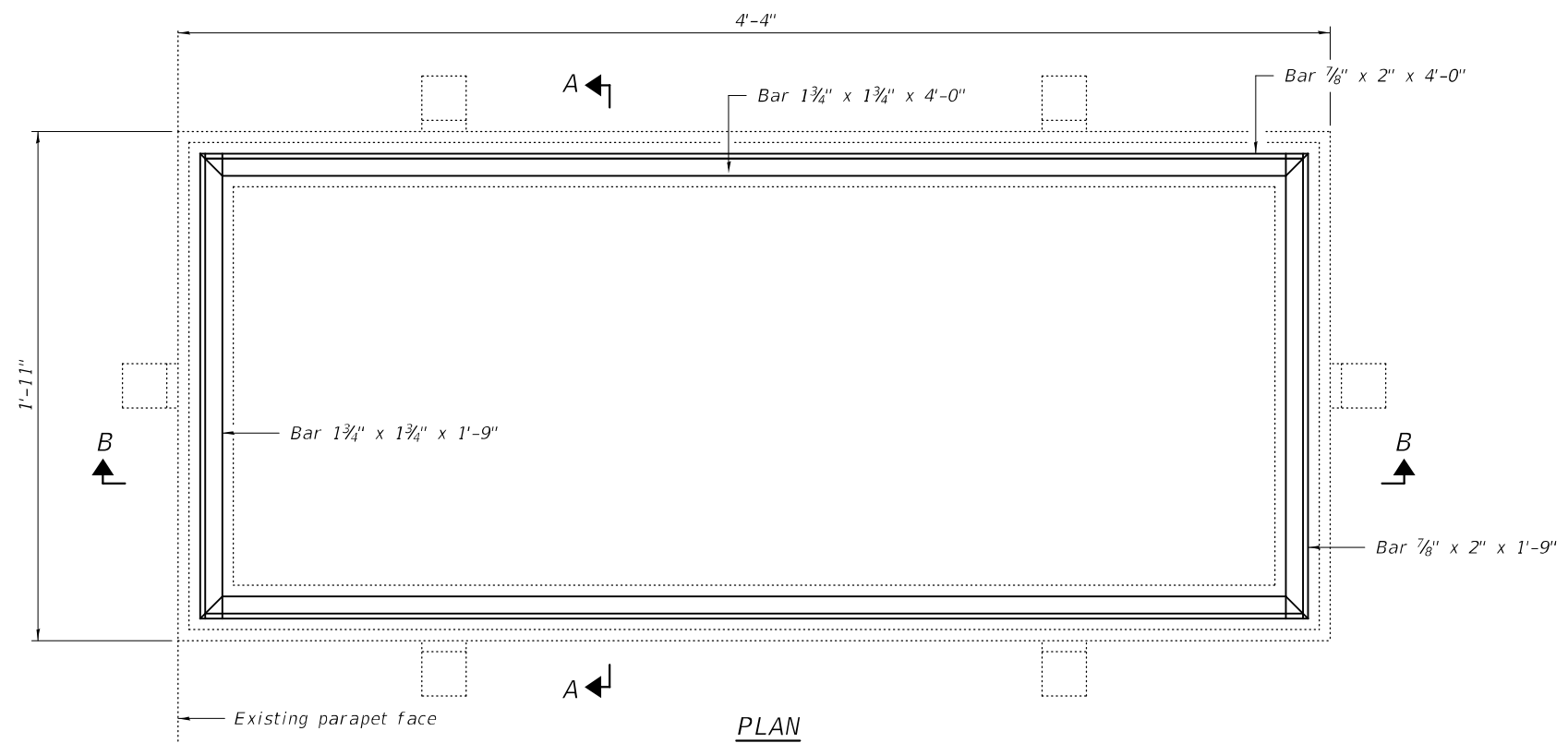
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

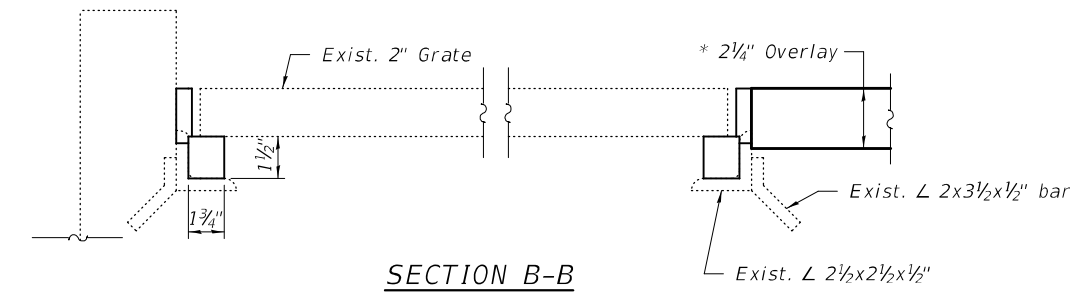
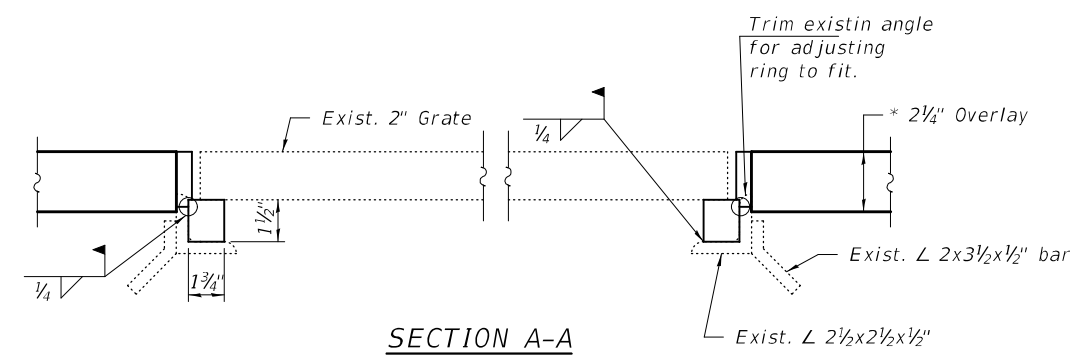
CROSS SECTIONS & STAGING DETAILS
SN 088 - 0021

SHEET NO. 2 OF 4 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106((B)BR;(B)BR-1)BDR	STARK	44	26
CONTRACT NO. 68G38				
ILLINOIS		FED. AID PROJECT		

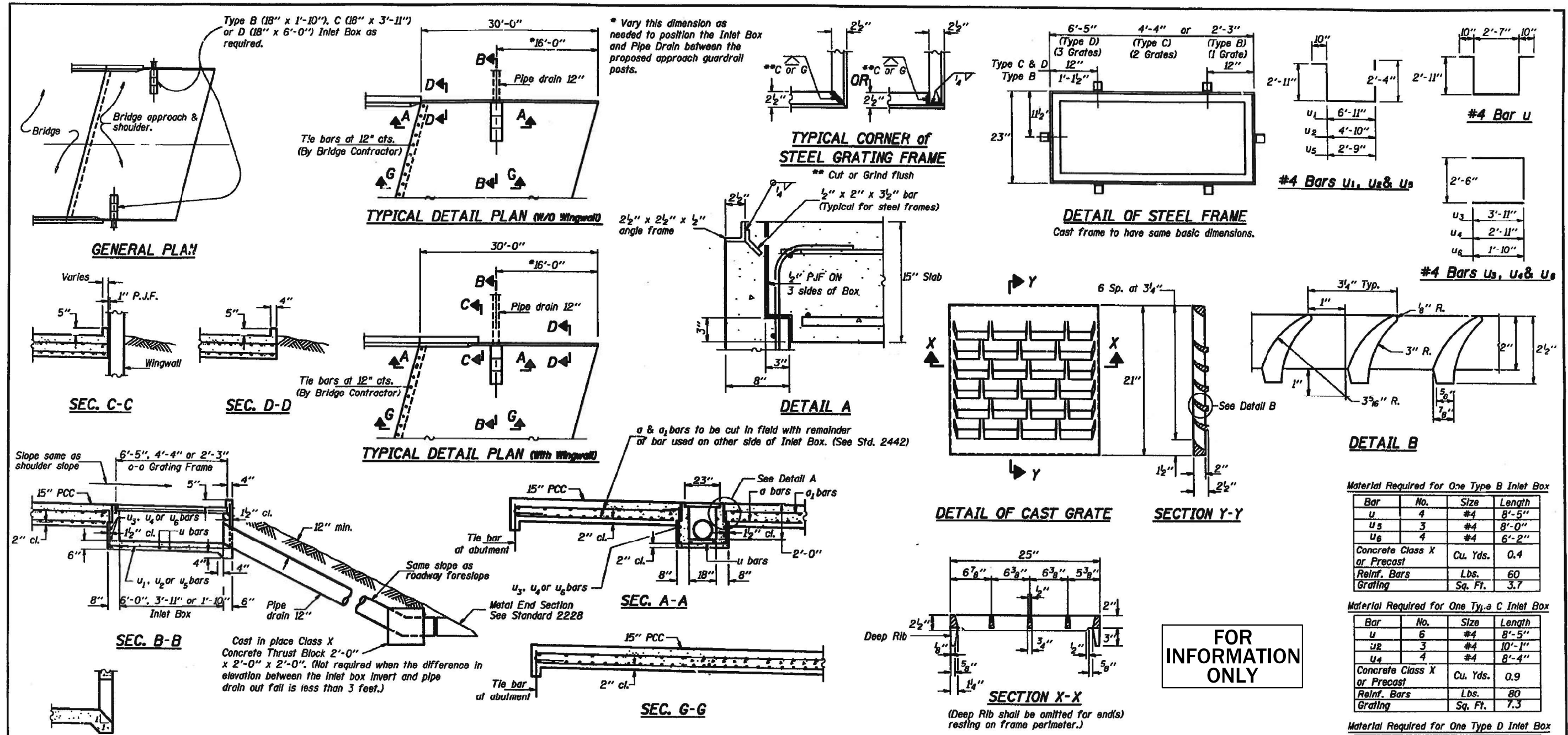


Notes:
 The contractor shall ensure that no damage is done to existing grates to be reused.
 Shop plans for proposed adjusting inlet ring shall be submitted for approval prior to fabrication.
 Cost of all labor and materials necessary to remove existing grates, clean existing inlets, install adjusting inlet rings and reinstalling grates is included in the cost per unit each for Inlets to be Adjusted.
 All structural steel shall conform to AASHTO Classification M-270 Gr. 36.
 The adjusting inlet ring shall be galvanized.
 Bolts shall be 1/2"Ø, AASHTO M164 Type 1, mechanically galvanized.



BILL OF MATERIAL

Item	Unit	Total
Inlets to be Adjusted	Each	4



GENERAL NOTES

Use Type C Inlet Box for 5' and 6' shoulder widths, use Type D Inlet Box for 7' and wider shoulder widths, use Type B Inlet Box for shoulders less than 5' wide.

The material for 12" Pipe Drains shall be either corrugated steel, aluminum alloy or polyethylene (P.E.) pipe with UV protection.

Corrugated steel and aluminum alloy pipe shall have 2' coupling bands. All pipe connections shall be water tight.

Class X concrete or precast concrete shall be used for the Inlet Box.

Precast concrete shall be in accordance with Sections 505.01 thru 505.05 of the Standard Specifications except that the concrete strength shall be 4000 p.s.i. after 28 days.

All exposed edges of the Inlet, except the upper perimeter, shall be beveled $\frac{3}{4}$ ".

Shop drawings will not be required for precast Inlet Boxes.

A 3" deep CA12 bedding conforming to Article 704.01, D Quality or better shall be provided under full length and width of precast units, and all voids around the pipe drain entrance, both inside and outside, shall be sealed with mortar.

The grating shall seat firmly in the frame.

Steel frames shall conform to Article 710.04 of the Standard Specifications and shall be galvanized to AASHTO M111 after fabrication.

Cast grating and frames shall conform to Article 710.17 of the Standard Specifications. Cast grating and frames shall not be galvanized.

Pipe drains shall be installed, measured and paid for in accordance with Section 607 of the Standard Specifications, except sand bedding will not be required.

Metal End Sections shall be installed, measured and paid for in accordance with Section 511 of the Standard Specifications.

The contract unit price each for TYPE (B, C or D) INLET BOX STANDARD 2443, in place, shall include the frame and grating, class X or precast concrete, reinforcement bars, excavation, bedding when required, and compacted backfill.

The contract unit price each for CONCRETE THRUST BLOCKS, in place shall include excavation and compacted backfilling.

DESIGN NOTES

All installations which also require the placement of approach guardrail should be checked to see whether special Approach Shoulder Pavement or Guardrail details will be required.

Design Notes will not appear in the Contract Plans.

Illinois Department of Transportation

APPROVED JAN. 2, 1992
Robert E. Anderson
 Engineer of Bridges and Structures

APPROVED JAN. 2, 1992
Roy Hord
 Engineer of Design

Material Required for One Type B Inlet Box

Bar	No.	Size	Length
u	4	#4	8'-5"
u ₅	3	#4	8'-0"
u ₆	4	#4	6'-2"
Concrete Class X or Precast		Cu. Yds.	0.4
Reinf. Bars		Lbs.	60
Grating		Sq. Ft.	3.7

Material Required for One Type C Inlet Box

Bar	No.	Size	Length
u	6	#4	8'-5"
u ₂	3	#4	10'-1"
u ₄	4	#4	8'-4"
Concrete Class X or Precast		Cu. Yds.	0.9
Reinf. Bars		Lbs.	80
Grating		Sq. Ft.	7.3

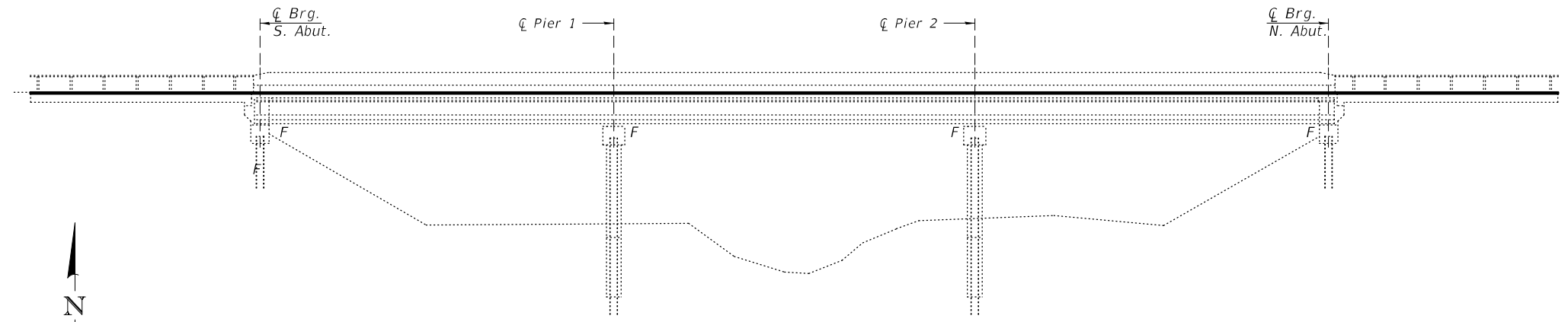
Material Required for One Type D Inlet Box

Bar	No.	Size	Length
u	8	#4	8'-5"
u ₁	3	#4	12'-2"
u ₃	4	#4	10'-4"
Concrete Class X or Precast		Cu. Yds.	1.2
Reinf. Bars		Lbs.	100
Grating		Sq. Ft.	11.0

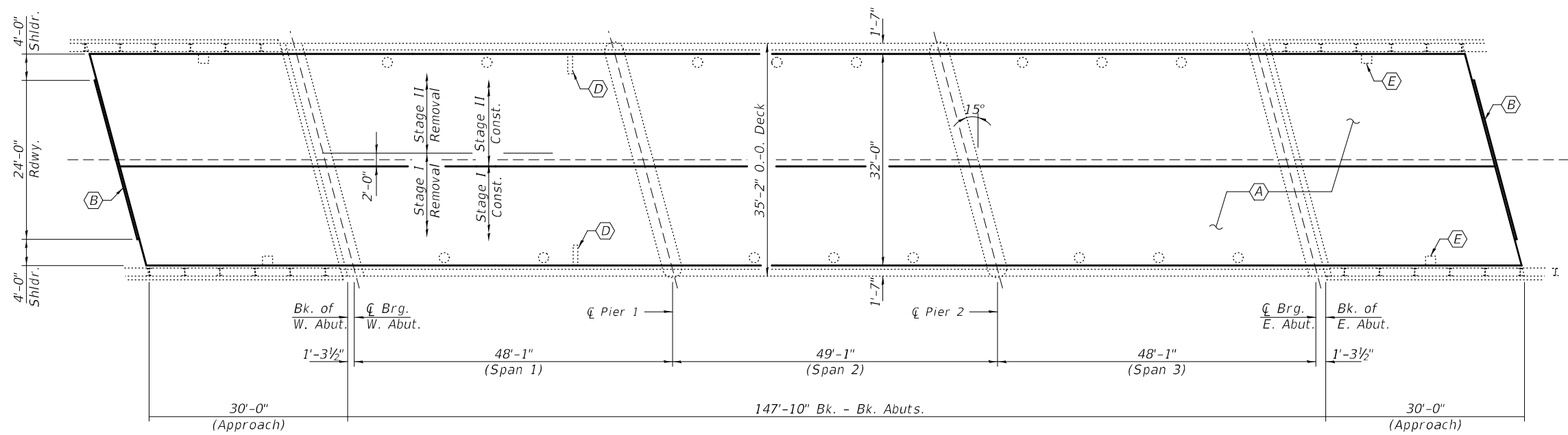
FOR INFORMATION ONLY

BRIDGE APPROACH PAVEMENT (DRAIN DETAIL)

STANDARD 2443



ELEVATION



PLAN

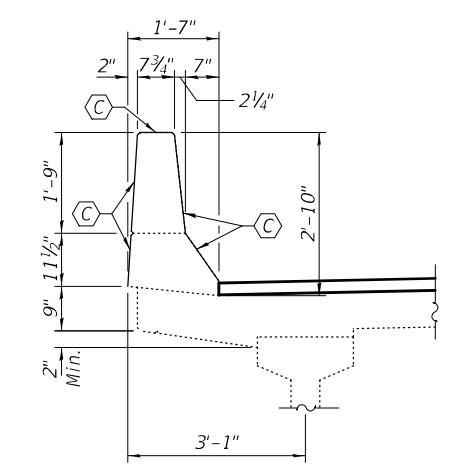
- (A) - Bridge Deck Scarification $\frac{3}{4}$ " and $2\frac{1}{4}$ " Microsilica Concrete Overlay.
- (B) - Polymer Concrete Nosing (See Repair B).
- (C) - Apply surface filler and protective coat to the Parapets. See Special provisions.
- (D) - Deck Drainage Scupper Adjustment.
- (E) - Approach Inlet Grate Adjustment.

GENERAL NOTES

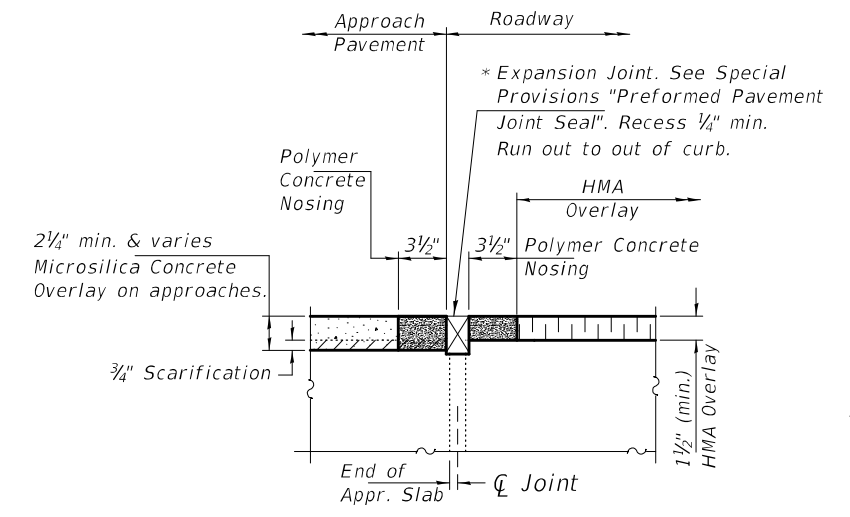
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall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



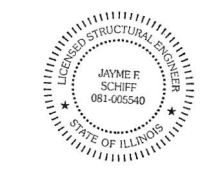
REPAIR B

TOTAL BILL OF MATERIAL

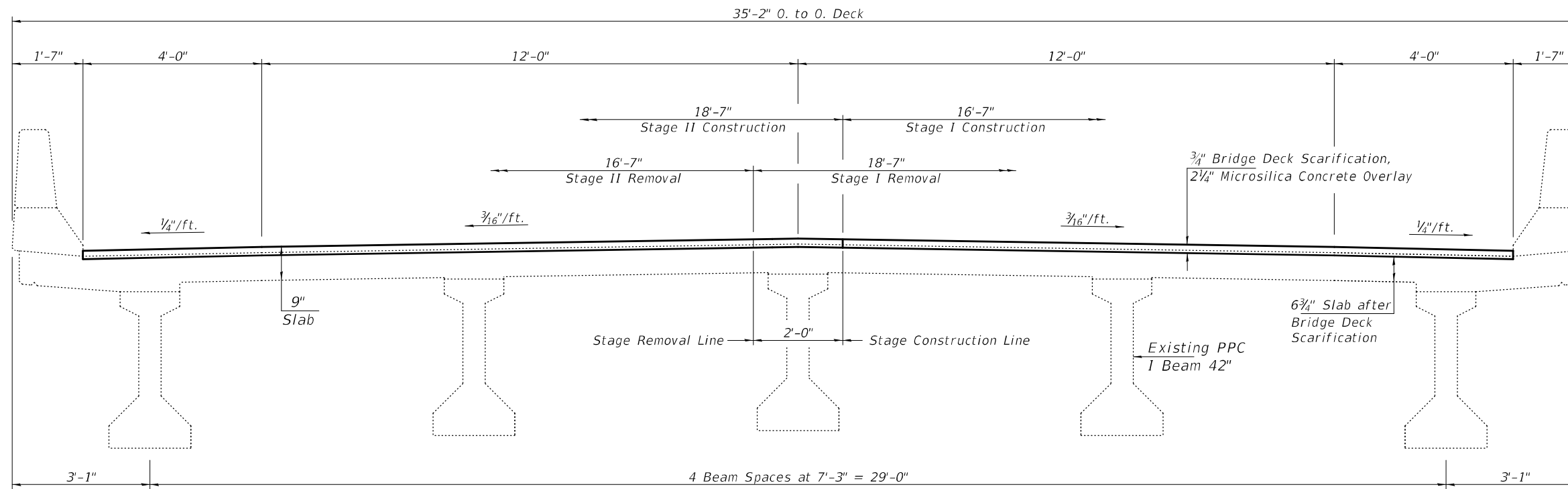
ITEM	UNIT	QUANTITY
Bridge Deck Microsilica Concrete Overlay, $2\frac{1}{4}$ "	Sq. Yd.	739
Bridge Deck Scarification, $\frac{3}{4}$ "	Sq. Yd.	739
Protective Coat	Sq. Yd.	739
Bridge Deck Grooving	Sq. Yd.	693
Polymer Concrete	Cu. Ft.	5.0
Protective Coat (Special)	Sq. Yd.	545
Surface Filler (Special)	Gallon	2
Drainage Scuppers to be Adjusted	Each	2
Inlets to be Adjusted	Each	2

* Applied on New Concrete Only

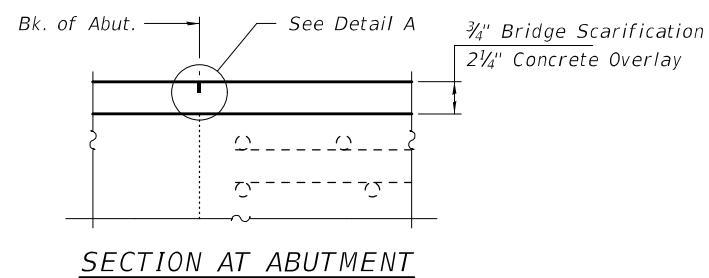
* Cost included with Polymer Concrete



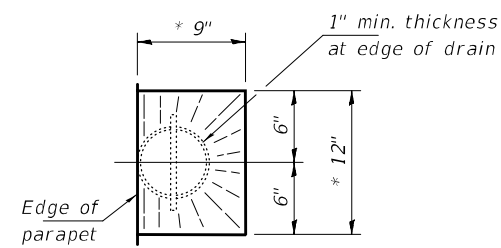
EXPIRES 11-30-2024



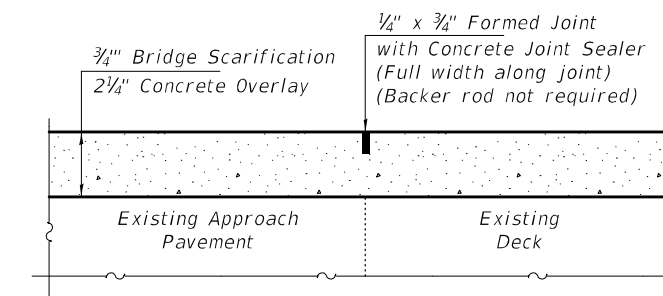
CROSS SECTION 086-0040 (EB)
(Looking East)



SECTION AT ABUTMENT



DRAIN DETAIL
* slope to drain



DETAIL A

DESIGNED - ATH
CHECKED - CCC
DRAWN - Venkat Ramana Reddy
CHECKED - ATH CCC

PASSED

Jaime F. J. [Signature]
ENGINEER OF BRIDGES AND STRUCTURES

DATE - January 31, 2023

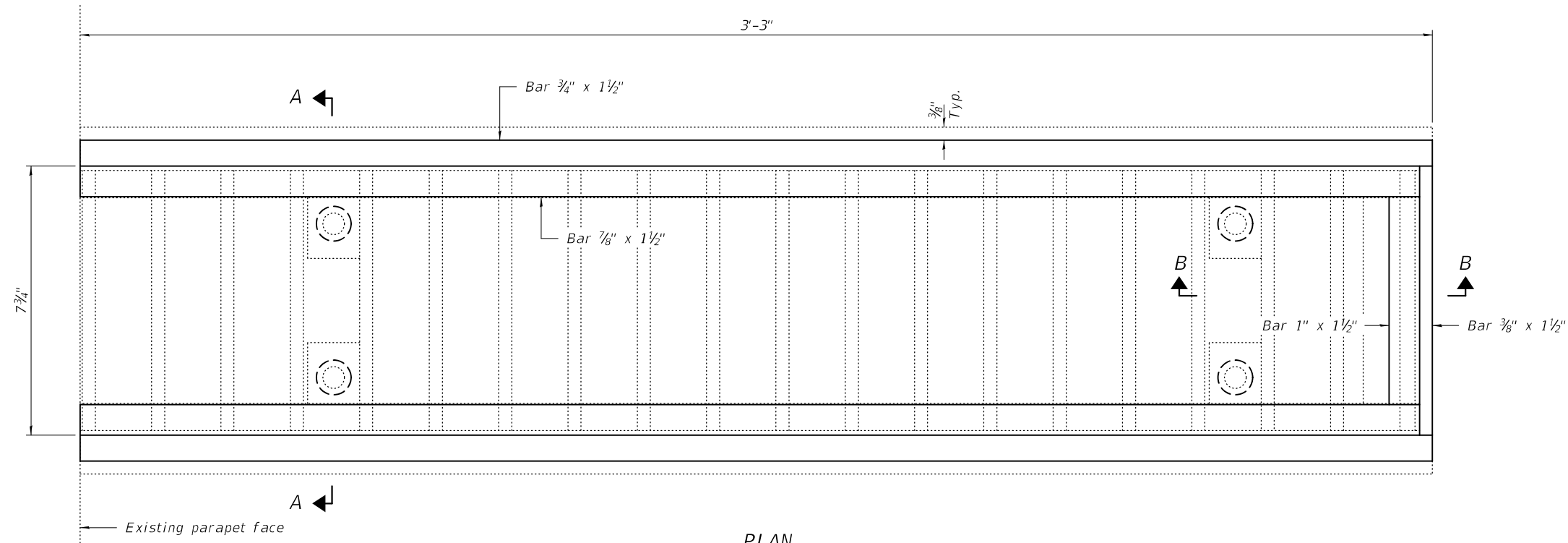
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

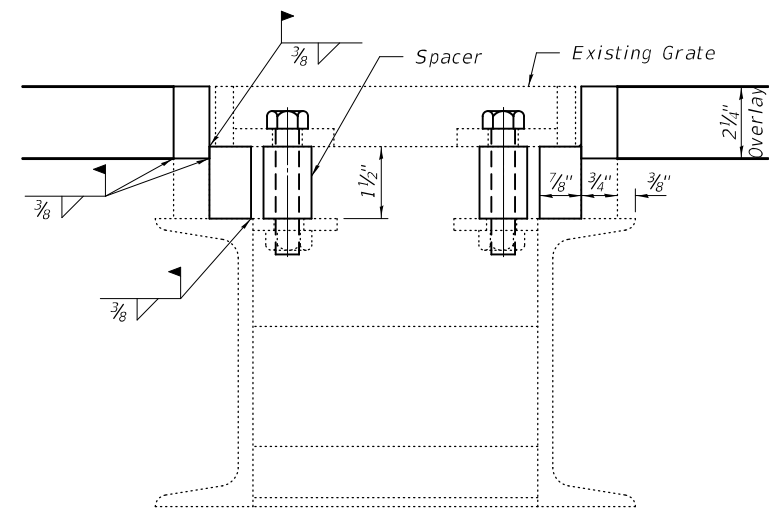
CROSS SECTIONS & STAGING DETAILS
SN 088 - 0022

SHEET NO. 2 OF 7 SHEETS

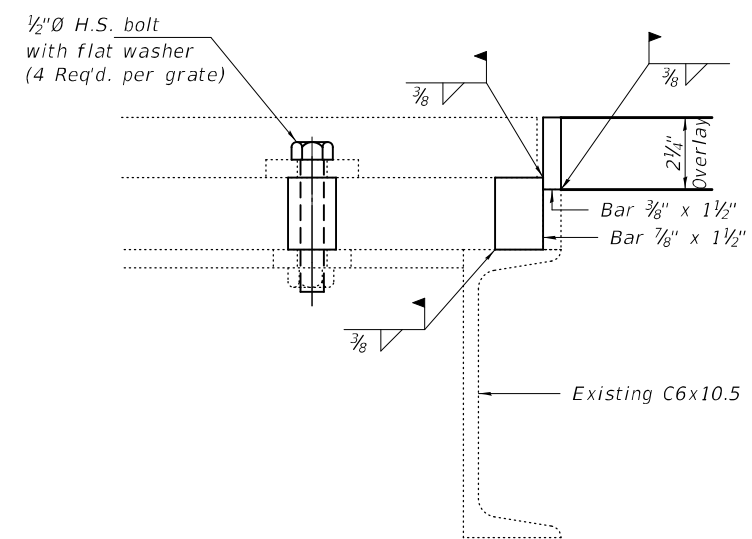
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1194	106((B)BR;(B)BR-1)BDR	STARK	44	30
CONTRACT NO. 68G38				
ILLINOIS		FED. AID PROJECT		



PLAN



SECTION A-A



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Drainage Scupper to be Adjusted	Each	2

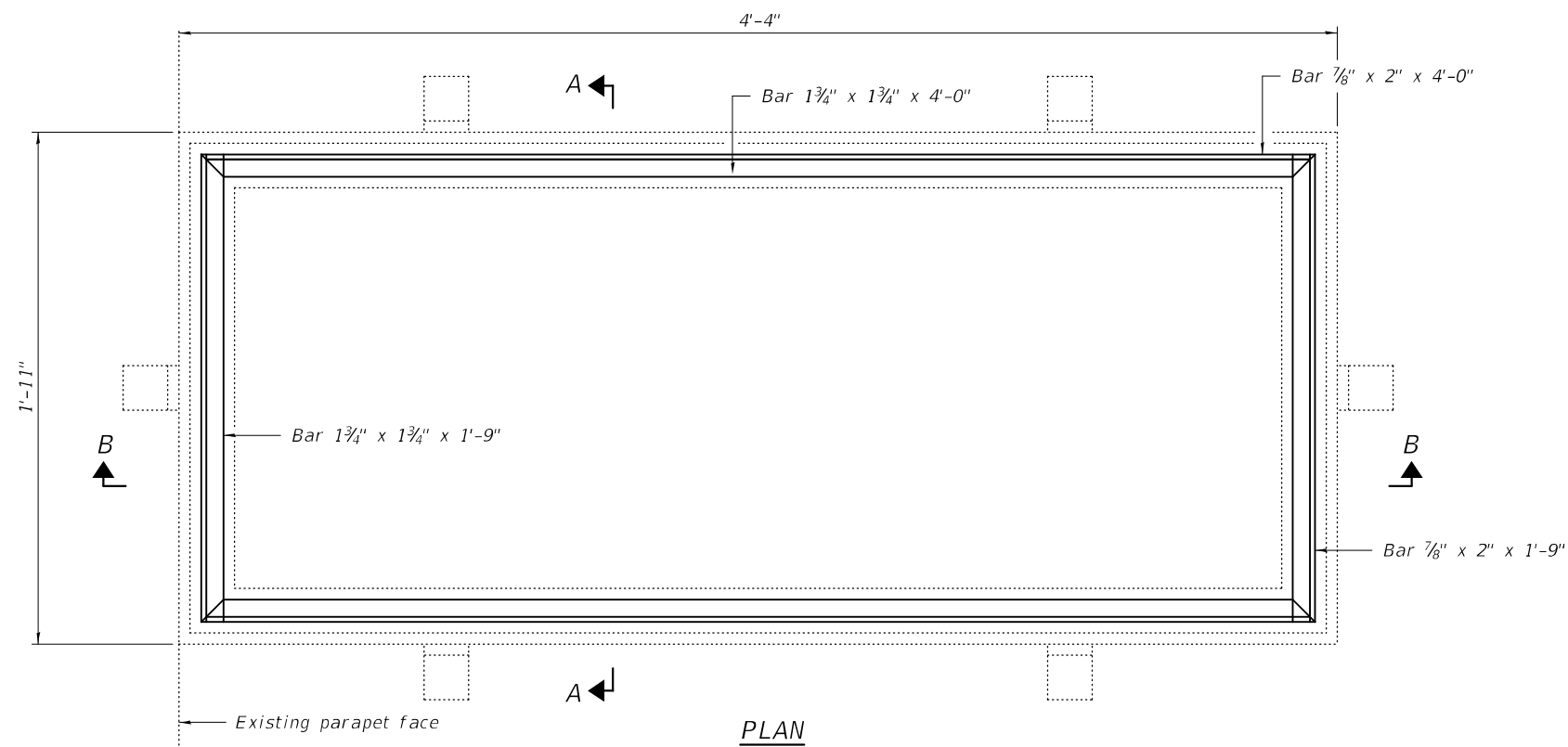
DESIGNED - ATH	PASSED	 ENGINEER OF BRIDGES AND STRUCTURES	DATE - January 31, 2023
CHECKED - CCC			REVISED -
DRAWN - Venkat Ramana Reddy			REVISED -
CHECKED - ATH CCC			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

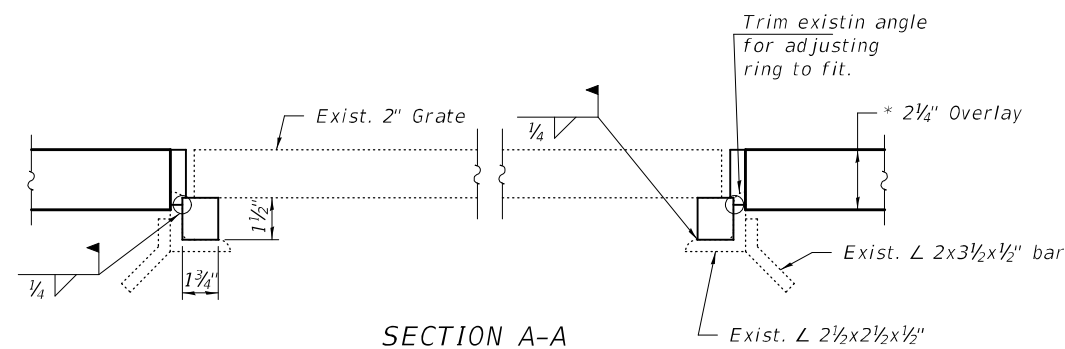
DRAINAGE SCUPPER ADJUSTMENT - DECK
SN 088 - 0022

SHEET NO. 3 OF 7 SHEETS

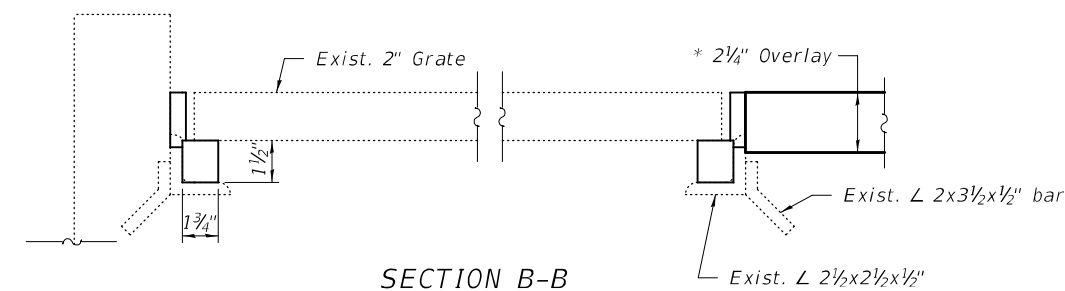
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1194	106((B)BR;(B)BR-1)BDR	STARK	44	31
CONTRACT NO. 68G38				
ILLINOIS FED. AID PROJECT				



Notes:
 The contractor shall ensure that no damage is done to existing grates to be reused.
 Shop plans for proposed adjusting inlet ring shall be submitted for approval prior to fabrication.
 Cost of all labor and materials necessary to remove existing grates, clean existing inlets, install adjusting inlet rings and reinstalling grates is included in the cost per unit each for Inlets to be Adjusted.
 All structural steel shall conform to AASHTO Classification M-270 Gr. 36.
 The adjusting inlet ring shall be galvanized.
 Bolts shall be 1/2"Ø, AASHTO M164 Type I, mechanically galvanized.



SECTION A-A



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Inlets to be Adjusted	Each	2

DESIGNED - ATH
 CHECKED - CCC
 DRAWN - Venkat Ramana Reddy
 CHECKED - ATH CCC

PASSED

Jaime F. [Signature]
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - January 31, 2023

REVISED -
 REVISED -

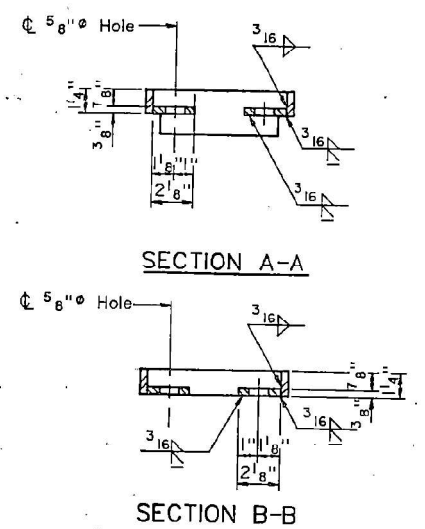
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCUPPER ADJUSTMENT - EAST APPROACH
 SN 088 - 0022

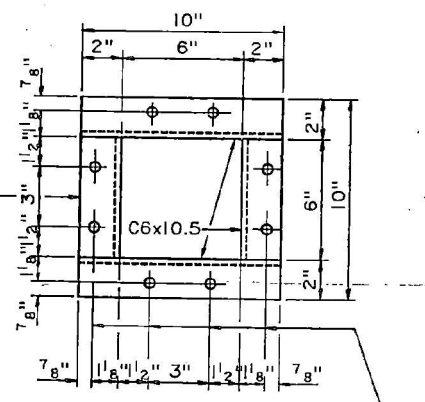
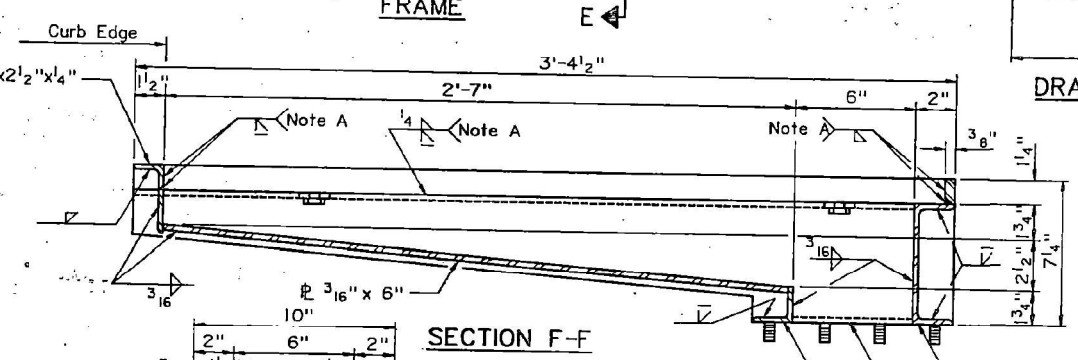
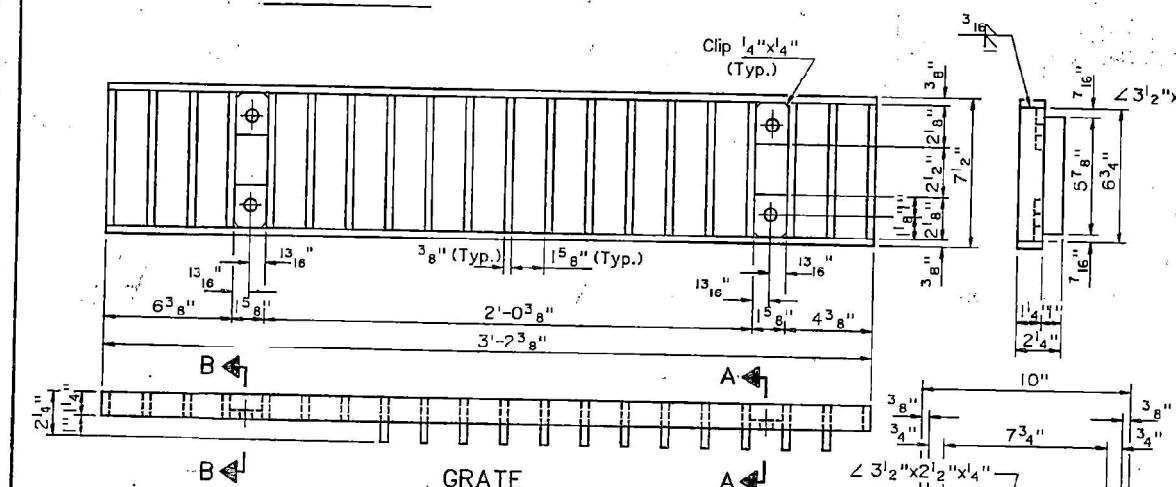
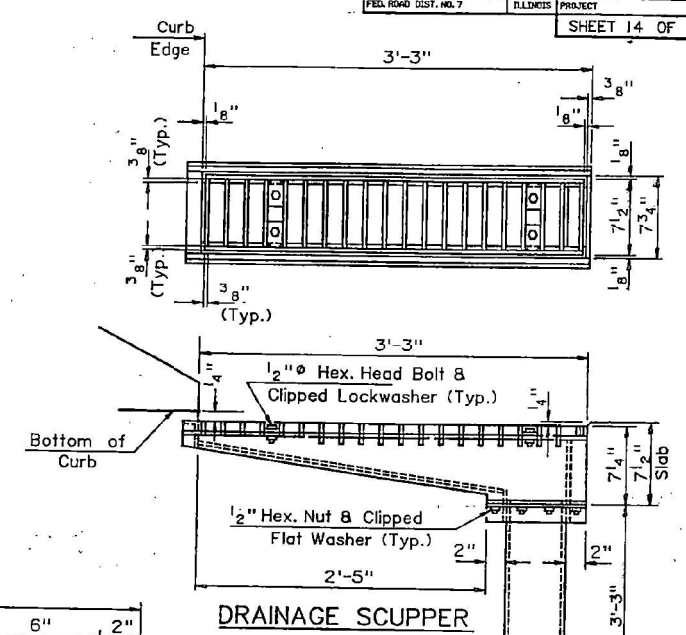
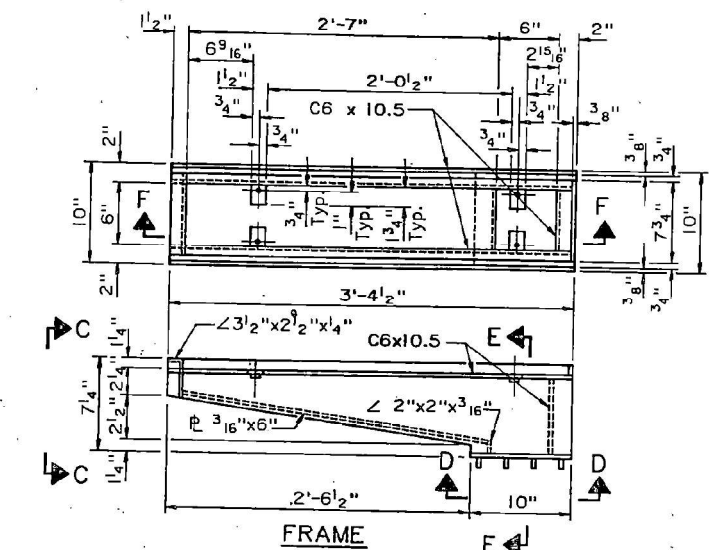
SHEET NO. 4 OF 7 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 68G38				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FEL. ROAD DIST. NO. 7		ILLINOIS PROJECT	SHEET 14 OF 16	



FOR
INFORMATION
ONLY

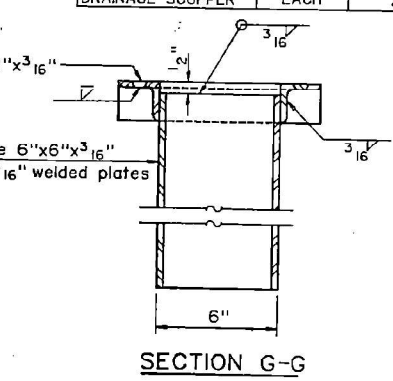
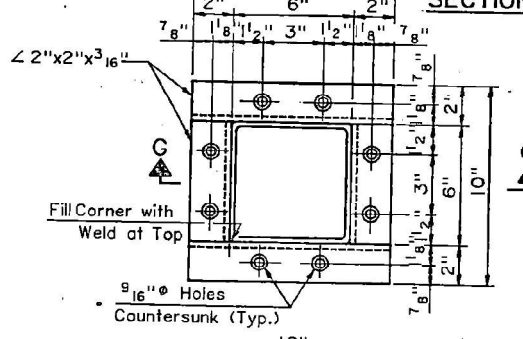
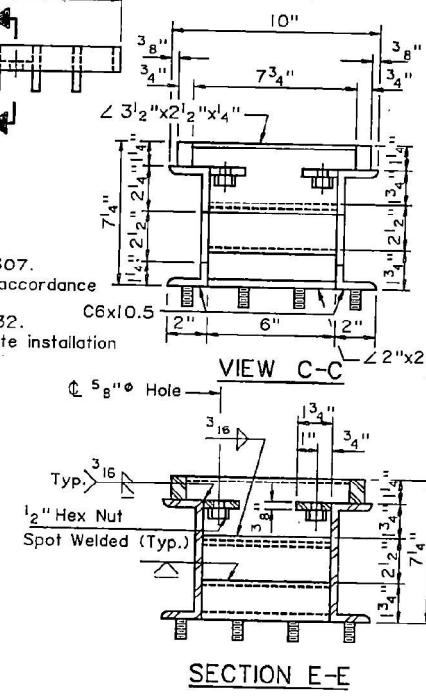


Notes:
 Hollow structural steel tubing shall conform to the requirements of ASTM designation A500 Grade B, or A501 Structural Steel Tubing.
 All other shapes, plates and bars shall conform to the requirements of AASHTO M183.
 Bolts, studs, washers and nuts shall conform to the requirements of ASTM A307.
 The Grate, Frame and Downspout shall be galvanized after shop fabrication in accordance with AASHTO M111 & ASTM A385.
 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 for "DRAINAGE SCUPPERS."
 (W.T. to inside of exterior stringer flange shall not be > 3'-11")

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

BILL OF MATERIAL

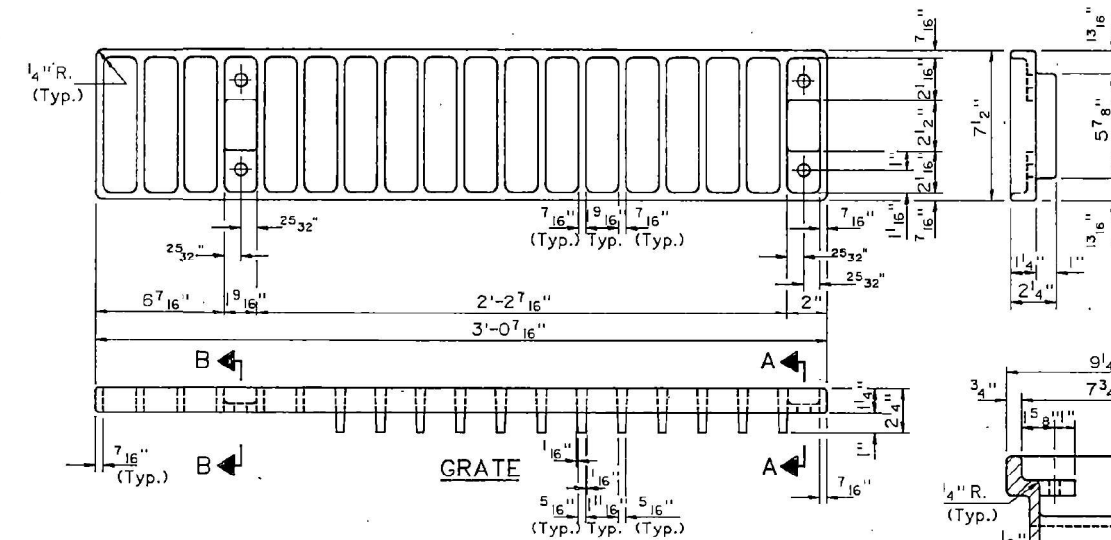
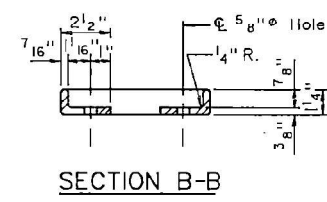
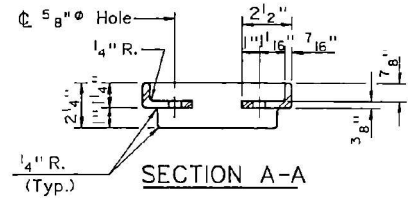
ITEM	UNIT	QUANTITY
DRAINAGE SCUPPER	EACH	2



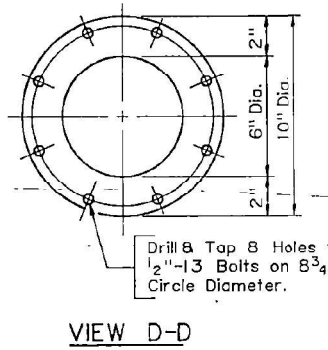
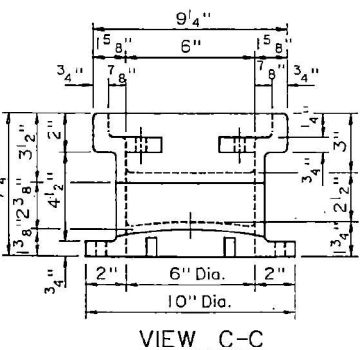
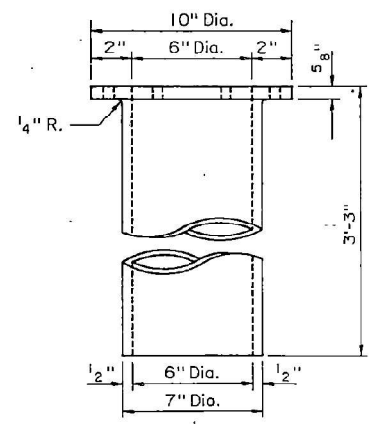
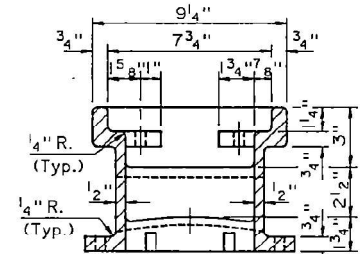
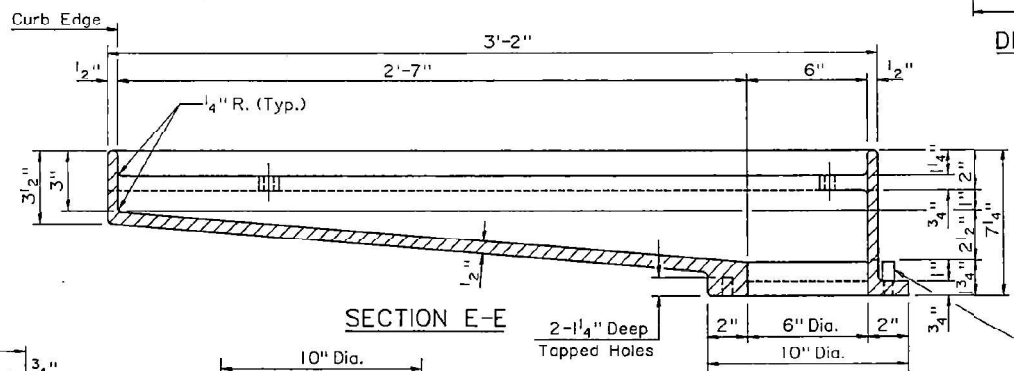
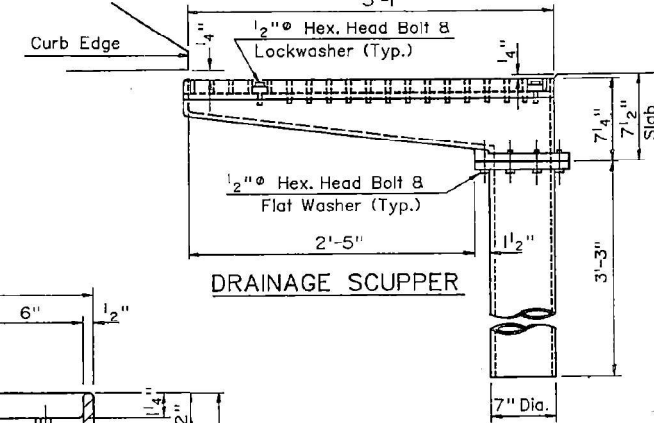
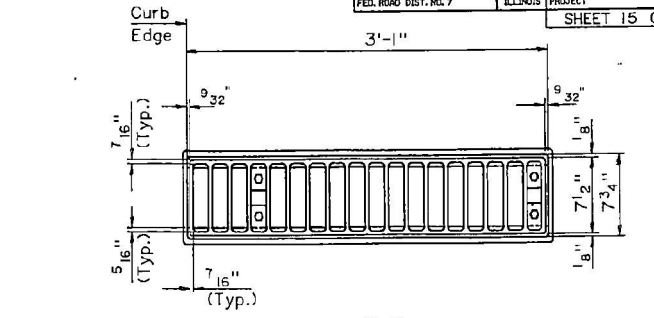
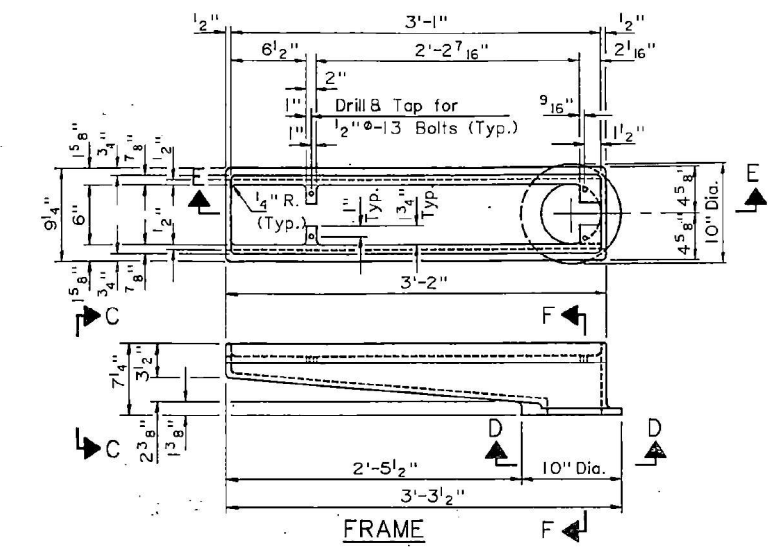
STEEL DRAINAGE SCUPPER
F.A. 107 (IL 93) OVER
EAST FORK SPOON RIVER
SEC. (106B) BR-1
STA. 1617+33.20
STARK COUNTY
STR. No. 088-0022

HSIONG ASSOCIATES LTD.
 DESIGNED: B.G.H. CHECKED:
 DRAWN: THW DATE:

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 70	(106) BR-1	STARK	132	131
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT	SHEET 15 OF 16	



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 for "DRAINAGE SCUPPERS."
 The Contractor may use at his option steel drainage scuppers or cast iron drainage scuppers.
 (W.T. to inside of exterior stringer flange shall not be >3'-11")



FOR INFORMATION ONLY

**ALTERNATE
 CAST IRON DRAINAGE SCUPPER
 F.A. 107 (IL 93) OVER
 EAST FORK SPOON RIVER
 SEC. (106B) BR-1
 STA. 1617+33.20
 STARK COUNTY
 STR. No. 088-0022**

HSIONG ASSOCIATES LTD.
 DESIGNED: BGH CHECKED: BGH
 DRAWN: THW DATE: APRIL, 1992

DESIGNED - ATH
 CHECKED - CCC
 DRAWN - Venkat Ramana Reddy
 CHECKED - ATH CCC

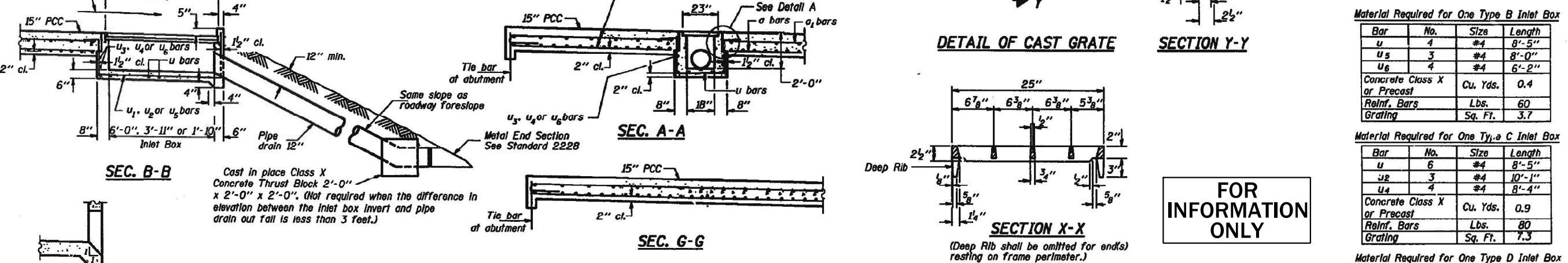
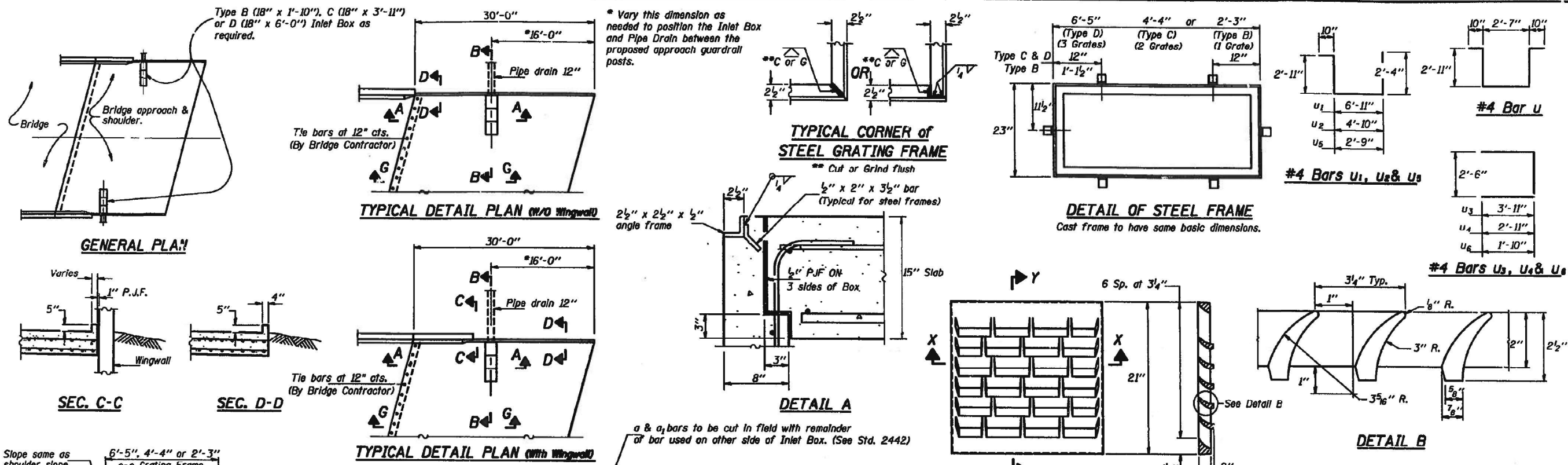
PASSED
 DATE - January 31, 2023
 ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLAN SHEET - FOR INFORMATION ONLY
 SN 088-0022

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B)BR;(B)BR-1)BDR	STARK	44	34
ILLINOIS			CONTRACT NO. 68G38	

SHEET NO. 6 OF 7 SHEETS



GENERAL NOTES

Use Type C Inlet Box for 5' and 6' shoulder widths, use Type D Inlet Box for 7' and wider shoulder widths, use Type B Inlet Box for shoulders less than 5' wide.

The material for 12" Pipe Drains shall be either corrugated steel, aluminum alloy or polyethylene (P.E.) pipe with UV protection.

Corrugated steel and aluminum alloy pipe shall have 2' coupling bands. All pipe connections shall be water tight.

Class X concrete or precast concrete shall be used for the Inlet Box.

Precast concrete shall be in accordance with Sections 505.01 thru 505.05 of the Standard Specifications except that the concrete strength shall be 4000 p.s.i. after 28 days.

All exposed edges of the Inlet, except the upper perimeter, shall be beveled 3/4".

Shop drawings will not be required for precast Inlet Boxes.

A 3" deep CA12 bedding conforming to Article 704.01, D Quality or better shall be provided under full length and width of precast units, and all voids around the pipe drain entrance, both inside and outside, shall be sealed with mortar.

The grating shall seat firmly in the frame.

Steel frames shall conform to Article 710.04 of the Standard Specifications and shall be galvanized to AASHTO M111 after fabrication.

Cast grating and frames shall conform to Article 710.17 of the Standard Specifications. Cast grating and frames shall not be galvanized.

Pipe drains shall be installed, measured and paid for in accordance with Section 607 of the Standard Specifications, except sand bedding will not be required.

FOR INFORMATION ONLY

DESIGN NOTES

All installations which also require the placement of approach guardrail should be checked to see whether special Approach Shoulder Pavement or Guardrail details will be required.

Design Notes will not appear in the Contract Plans.

Material Required for One Type B Inlet Box

Bar	No.	Size	Length
u	4	#4	8'-5"
u ₅	3	#4	8'-0"
u ₆	4	#4	6'-2"
Concrete Class X or Precast		Cu. Yds.	0.4
Reinf. Bars		Lbs.	60
Grating		Sq. Ft.	3.7

Material Required for One Type C Inlet Box

Bar	No.	Size	Length
u	6	#4	8'-5"
u ₂	3	#4	10'-1"
u ₄	4	#4	8'-4"
Concrete Class X or Precast		Cu. Yds.	0.9
Reinf. Bars		Lbs.	80
Grating		Sq. Ft.	7.3

Material Required for One Type D Inlet Box

Bar	No.	Size	Length
u	8	#4	8'-5"
u ₁	3	#4	12'-2"
u ₃	4	#4	10'-4"
Concrete Class X or Precast		Cu. Yds.	1.2
Reinf. Bars		Lbs.	100
Grating		Sq. Ft.	11.0

Illinois Department of Transportation
 APPROVED JAN. 2, 1992
Ralph E. Anderson
 Engineer of Bridges and Structures
 APPROVED JAN. 2, 1992
Raymond
 Engineer of Design

DESIGNED - ATH
 CHECKED - CCC
 DRAWN - Venkat Ramana Reddy
 CHECKED - ATH CCC

DATE - January 31, 2023

REVISI -
 REVISI -

PASSED
John F. J. J.
 ENGINEER OF BRIDGES AND STRUCTURES

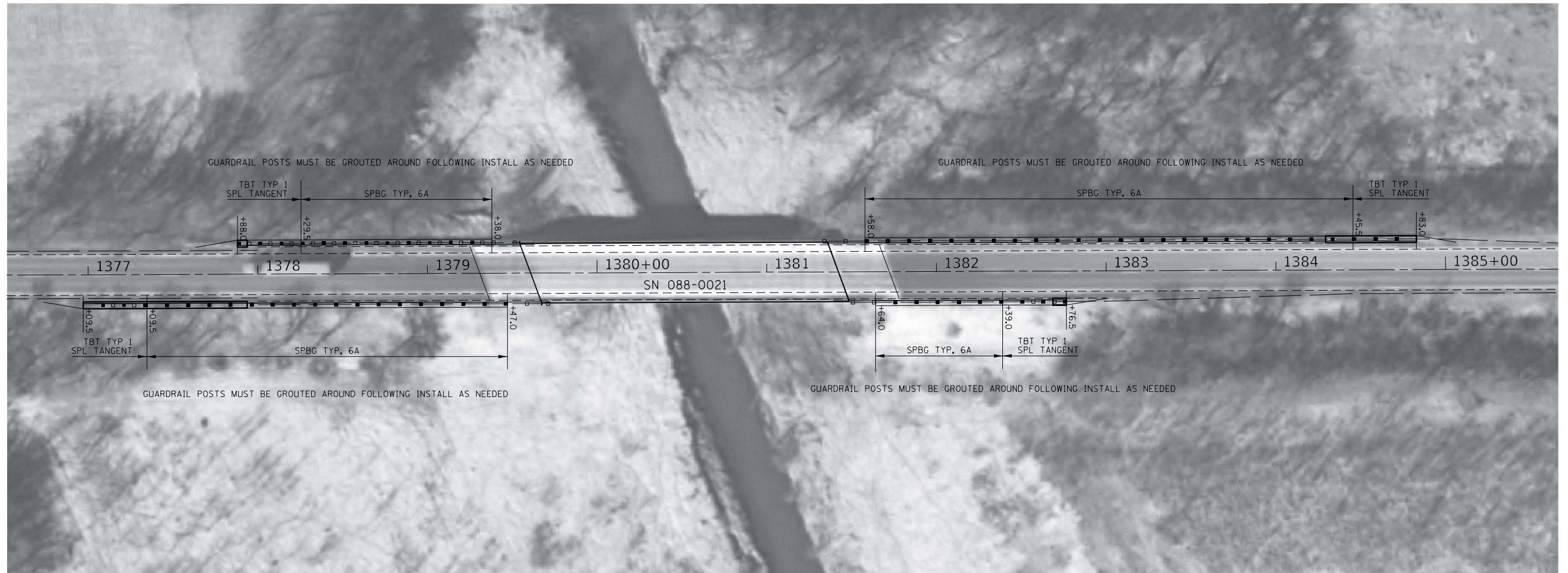
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLAN SHEET - FOR INFORMATION ONLY
 SN 088 - 0022
 SHEET NO. 7 OF 7 SHEETS

F.A.S. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 1194 106(B)BR;(B)BR-1)BDR STARK 44 35
 CONTRACT NO. 68G38
 ILLINOIS FED. AID PROJECT

BRIDGE APPROACH PAVEMENT (DRAIN DETAIL)
STANDARD 2443

H-109



NOT TO SCALE

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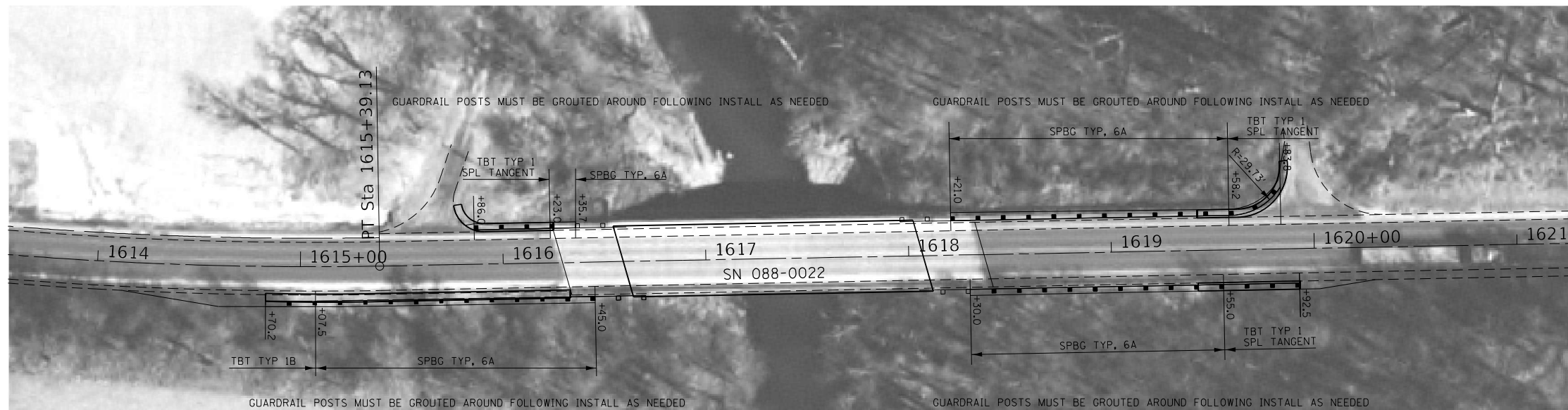
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PLOT DATE = 12/14/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 93 PROPOSED GUARDRAIL DETAILS
SN 088-0021**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. 1376+60 TO STA. 1385+70

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[(B)BR:(B)BR-1]BDR	STARK	44	36
CONTRACT NO. 68G38			ILLINOIS FED. AID PROJECT	



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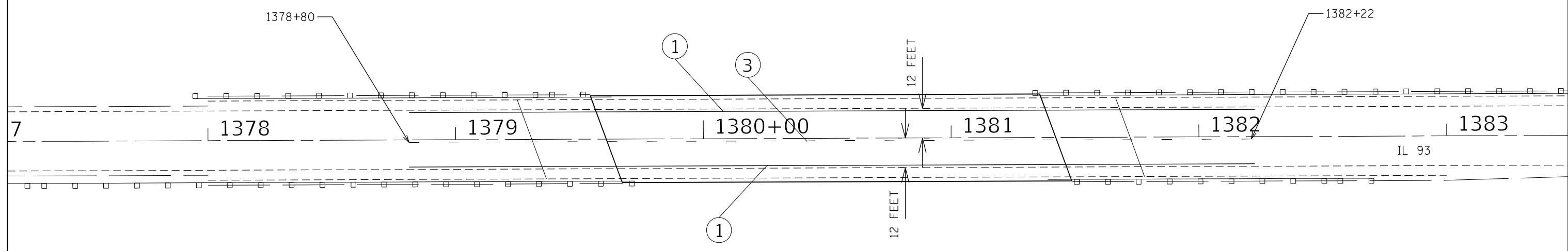
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 93 PROPOSED GUARDRAIL DETAILS
 SN 088-0022**

SCALE: N/A SHEET 2 OF 2 SHEETS STA. 1613+25 TO STA. 1621+20

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[(B)BR:(B)BR-1]BDR	STARK	44	37
ILLINOIS			FED. AID PROJECT	



LEGEND	
①	6" SOLID WHITE
②	4" DOUBLE SOLID YELLOW
③	6" SKIP DASH YELLOW

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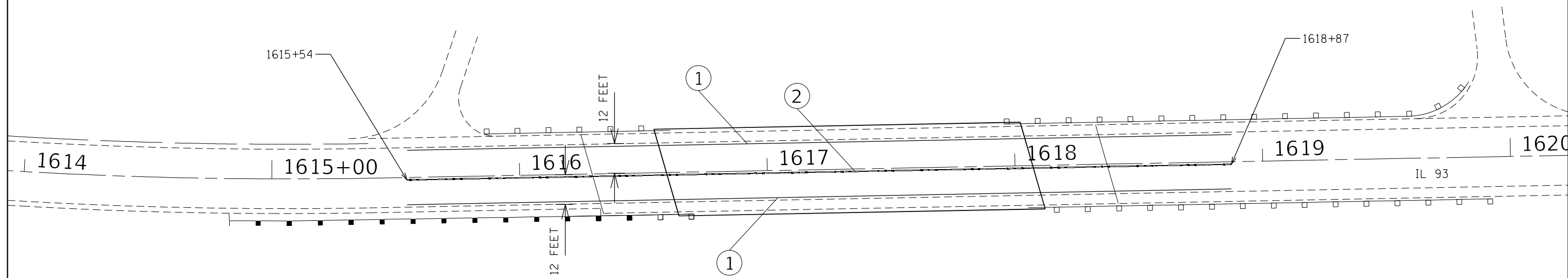
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
SN 088-0021

SCALE: N/A SHEET 1 OF 2 SHEETS STA. 1378+81 TO STA. 1382+22

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B(BR);(B)BR-1)BDR	STARK	44	38
			CONTRACT NO. 68G38	
ILLINOIS FED. AID PROJECT				



LEGEND	
1	6" SOLID WHITE
2	4" DOUBLE SOLID YELLOW
3	6" SKIP DASH YELLOW

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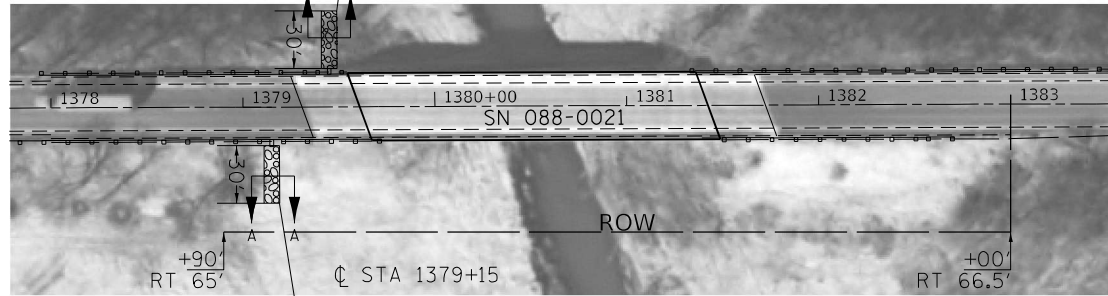
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN			
SN 088-0022			
SCALE: N/A	SHEET 2	OF 2 SHEETS	STA. 1615+54 TO STA. 1618+87

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[B(BR);(B)BR-1]BDR	STARK	44	39
			CONTRACT NO. 68G38	
ILLINOIS FED. AID PROJECT				



CL STA 1379+45
 OFFSET: ± 49 FT
 PROP NEW DRAINAGE SYSTEM
 STONE RIPRAP CLASS B3 = 0.127 TONS
 FILTER FABRIC = 26.67 SQ YDS ROW



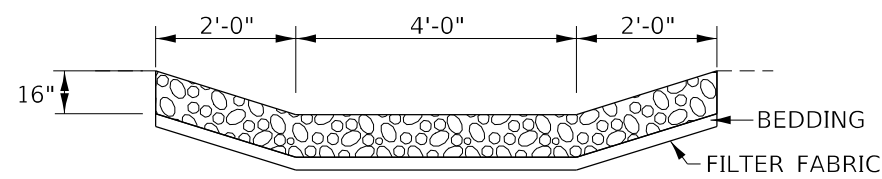
CL STA 1379+15
 OFFSET: ± 49 FT
 PROP NEW DRAINAGE SYSTEM
 STONE RIPRAP CLASS B3 = 0.127 TONS
 FILTER FABRIC = 26.67 SQ YDS



CL STA 1616+25
 OFFSET: ± 48 FT
 PROP NEW DRAINAGE SYSTEM
 STONE RIPRAP CLASS B3 = 0.760 TONS
 FILTER FABRIC = 44.44 SQ YDS

STANDARDS D4-606201 AND D4-606206 ARE TO BE USED TO CREATE A TRANSITION AND A OUTLET FOR THE GUTTER

STONE RIPRAP, CLASS B-3 TYPICAL SECTION A-A



PREPARATION FOR AND PLACEMENT OF RIPRAP
 SHALL BE COMPLETED IN THE SAME DAY,
 ELIMINATING THE NEED FOR TEMP. EROSION
 CONTROL

LEGEND


 STONE RIPRAP, CLASS B-3

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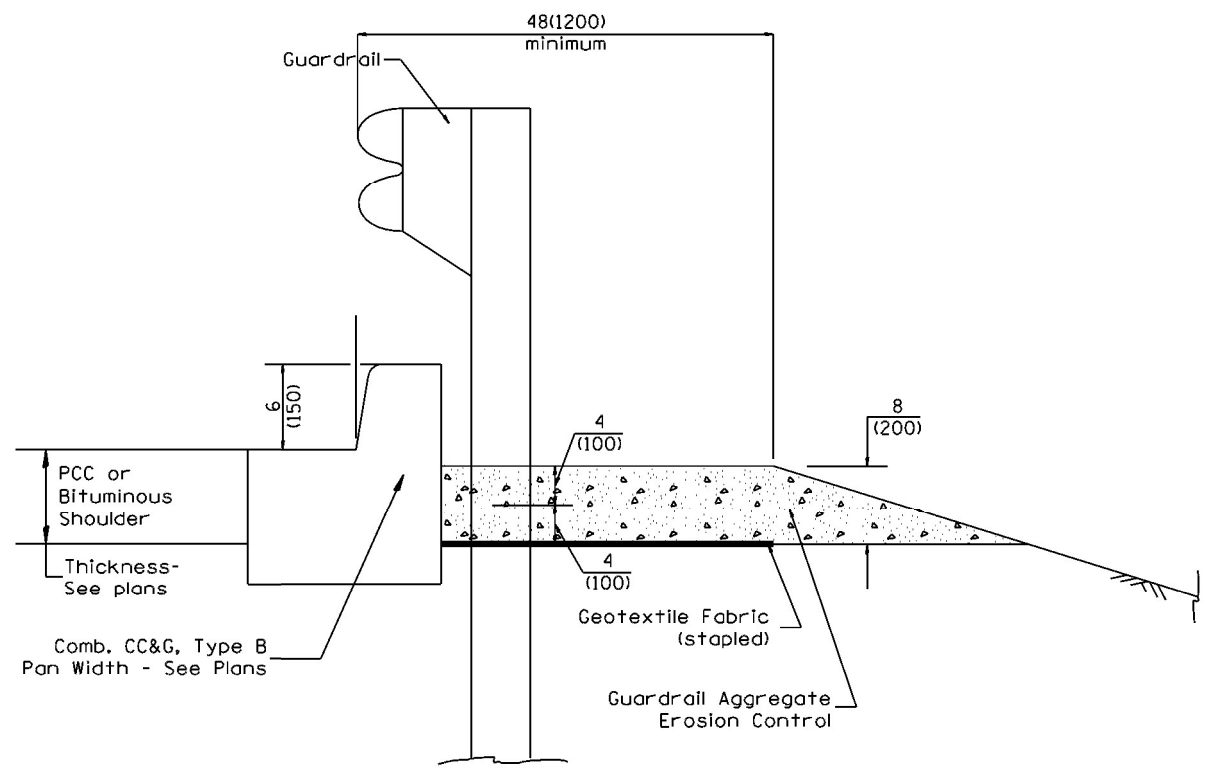
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 93 PROPOSED RIPRAP DETAIL
 SN 088-0021 & SN 088-0022

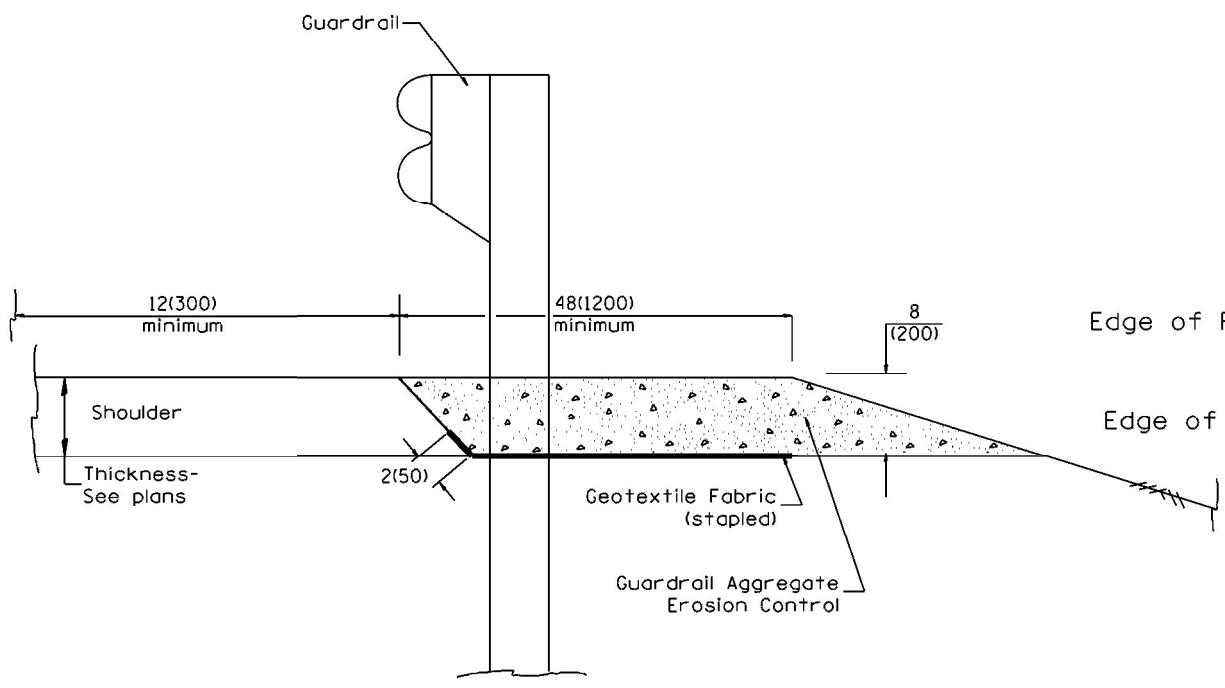
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106[(B)BR:(B)BR-1]BDR	STARK	44	40
CONTRACT NO. 68G38				
ILLINOIS FED. AID PROJECT				

DESIGNER NOTES:
 1. 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
 2. USE "GUARDRAIL AGGREGATE EROSION CONTROL" AT GUARDRAIL INSTALLATIONS WHERE GRADES ARE LESS THAN 1% (INCLUDE DISTRICT SPECIAL PROVISION).
 3. INCLUDE STATE STANDARD 61000L IF APPLICABLE.
 4. INCLUDE THE FOLLOWING DISTRICT CADD STANDARDS AS NEEDED: SLOPE DRAINS FOR EXPOSED PIPES; SLOPE DRAINS FOR BURIED PIPES; SEEPAGE COLLARS FOR BURIED PIPES
 5. SEEPAGE COLLARS FOR EXPOSED PIPES; CONCRETE THRUST BLOCKS AND PIPE ELBOW.
 6. INCLUDE DISTRICT SPECIAL PROVISION: "AGGREGATE QUALITY" FOR PROJECTS LOCATED IN THE WESTERN AREA OF THE DISTRICT - APPROX. DIVIDING LINE IS IL 97.
 7. DELETE DESIGNER NOTES WHEN INSERTING INTO PLAN FILES.
 8. OPERATIONS PREFERS USE OF PIPE OUTLETTING ONTO FORESLOPE WITH RIPRAP. USE NON-METALLIC PIPE WHEN POSSIBLE BECAUSE OF FUTURE CORROSION ISSUES.
 IF NO OTHER SEEDING IS PAID FOR ON THE CONTRACT, USE DISTRICT SPECIAL PROVISION FOR SEEDING, MINOR AREAS



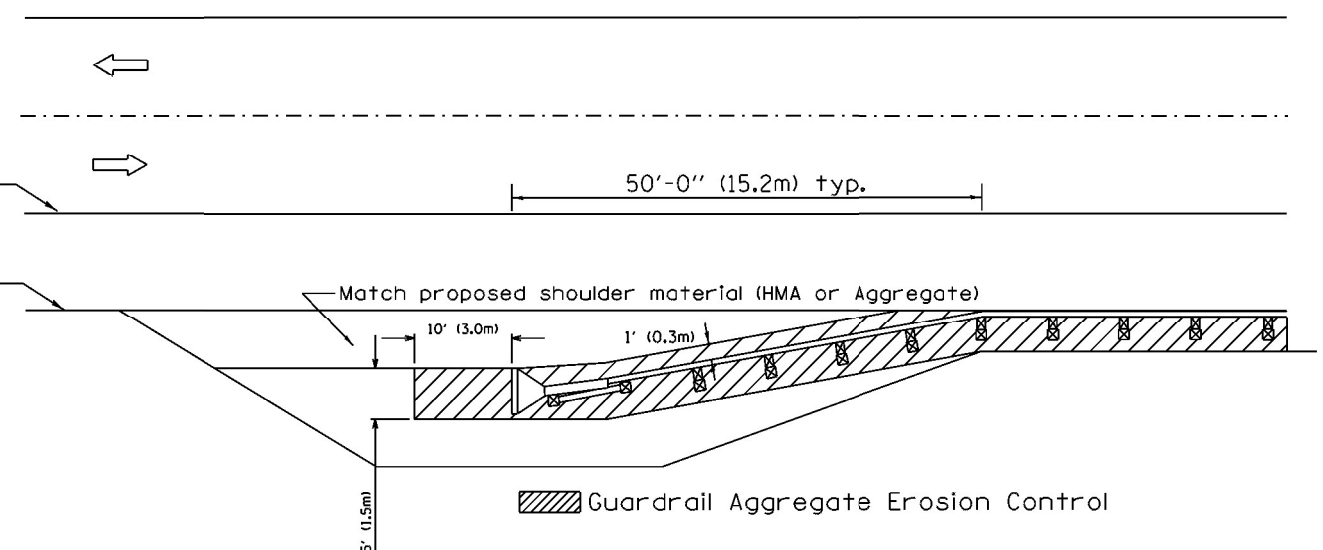
TYPICAL SECTION WITH COMBINATION CONCRETE CURB & GUTTER



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

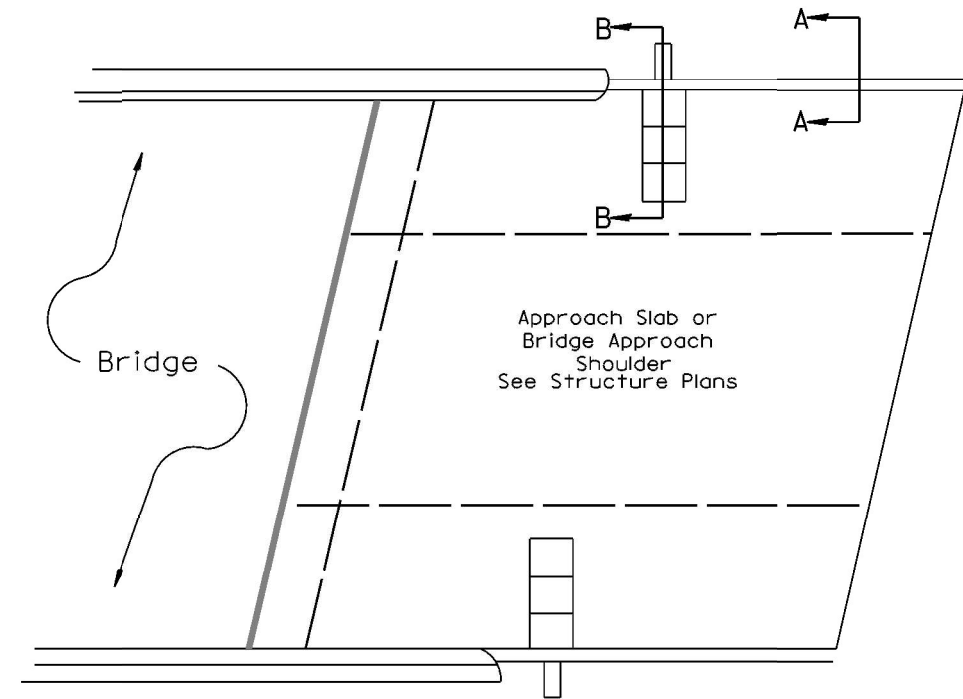
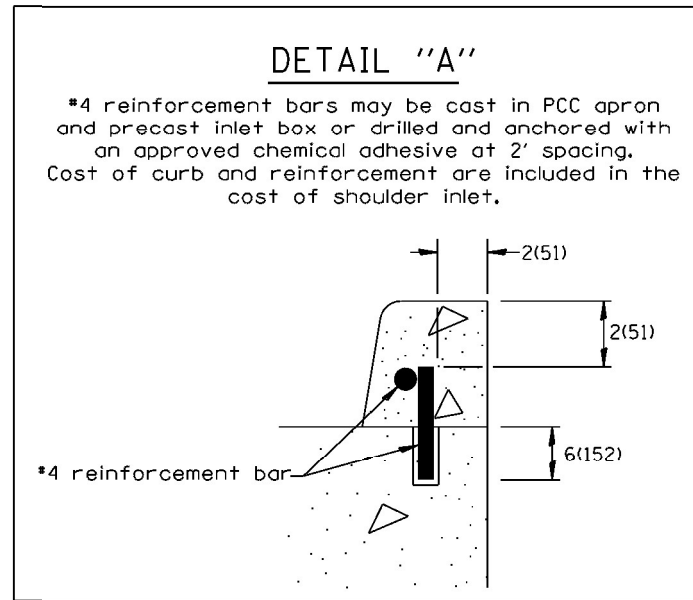
1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, 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.



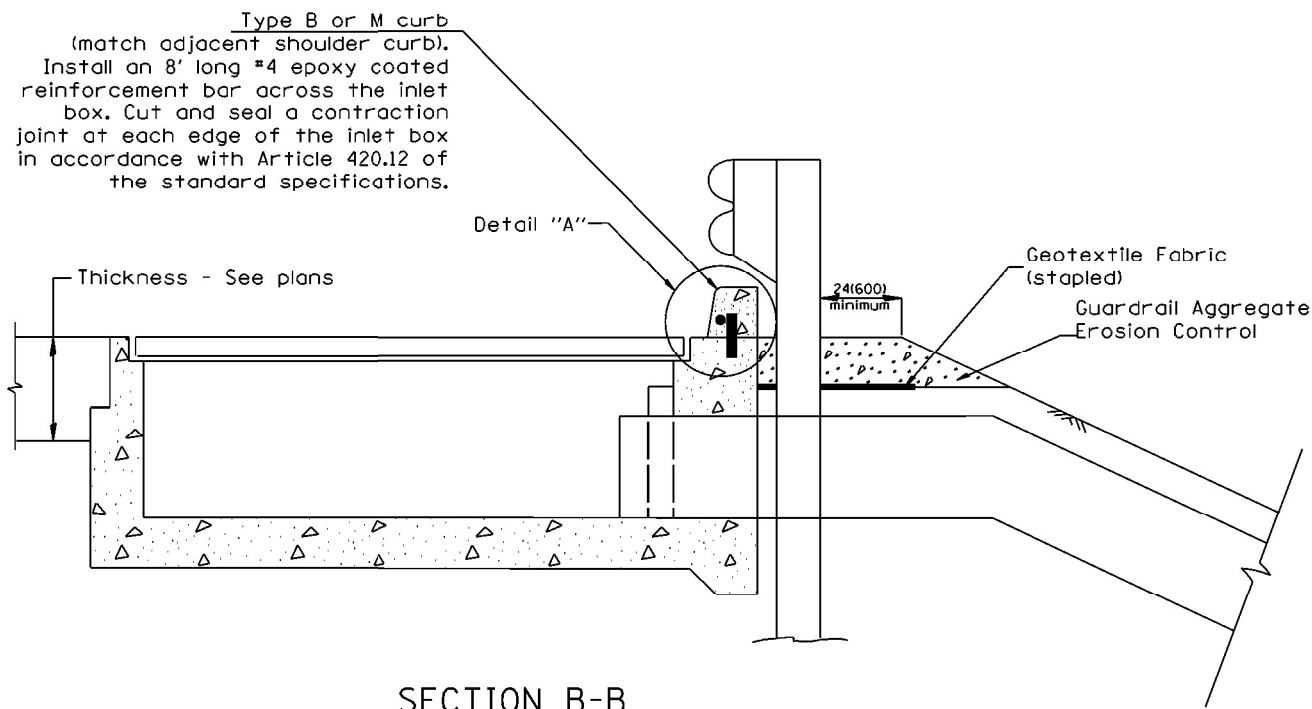
All dimensions are in inches (millimeters) unless otherwise noted.

03-07-11	ADDED DETAIL SHOWING PLAN VIEW	R.D.	5-30-18	CHANGE B CURB TO CC&G	R.D.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL EROSION CONTROL TREATMENTS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
08-10-12	REVISED CURB "B" AND AGGREGATE	R.D.	07-16-19	SPELLING CORRECTIONS	R.D.			1194	106(B)BR(B)BR-1)BDR	STARK	44	41	
07-15-15	ADDRESSED SHOULDER INLET CURB	R.D.						CONTRACT NO. 68G38					
01-26-17	REVISED	R.D.						SHI, J OF 2 CADD STD. 630101-04 FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT					

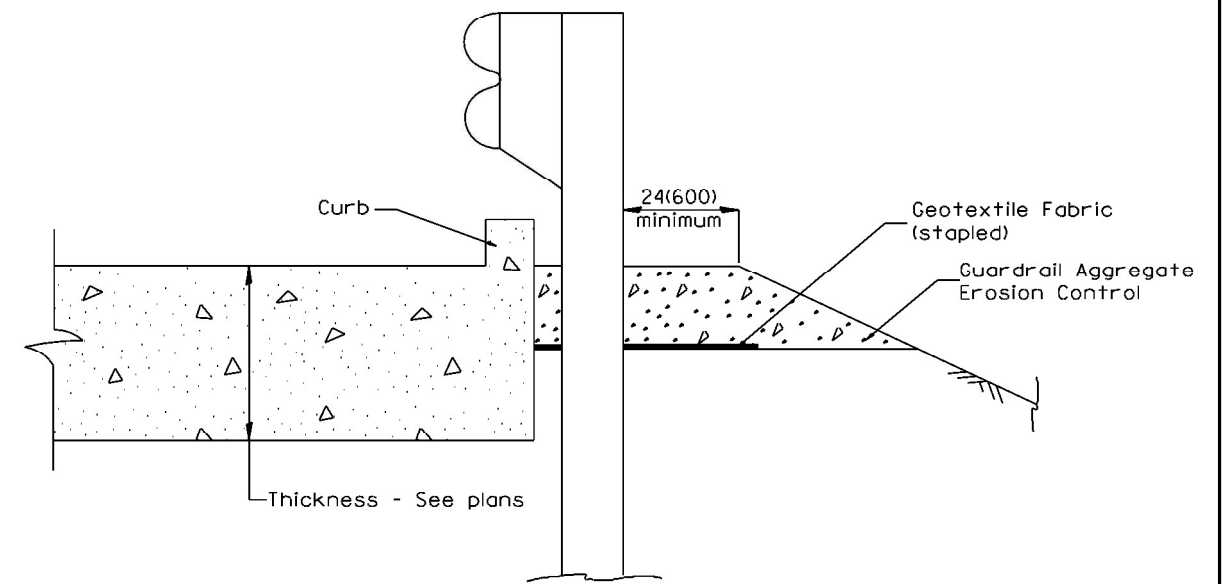
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PLAN VIEW
APPROACH SLAB OR SHOULDER PLACEMENT



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

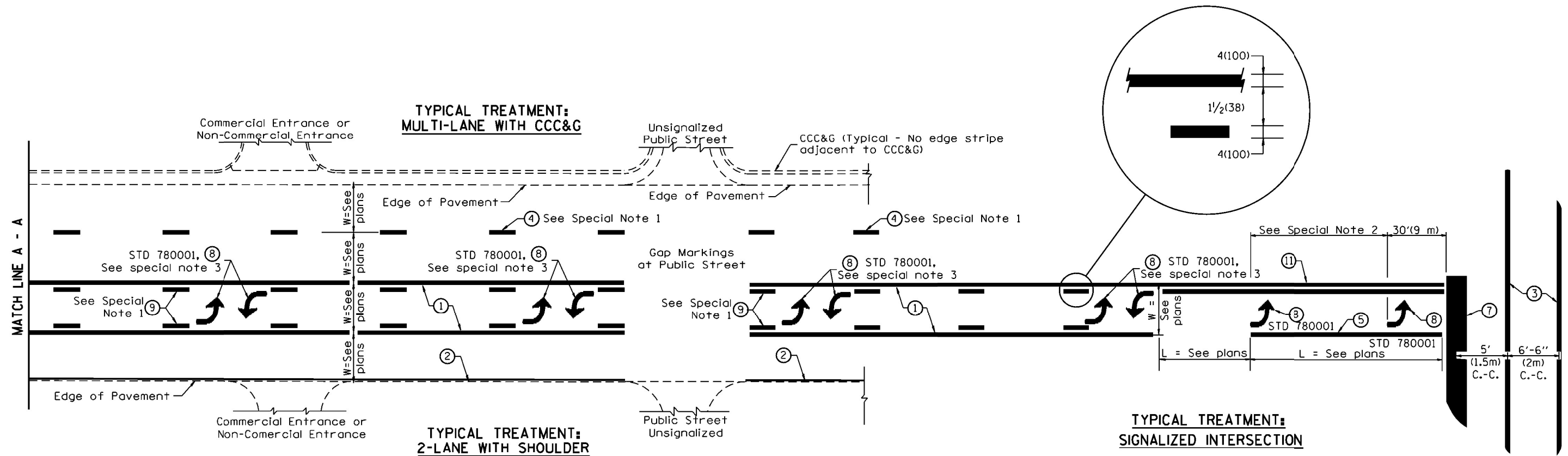


SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

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

STATE OF ILLINOIS				GUARDRAIL EROSION CONTROL TREATMENTS				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DEPARTMENT OF TRANSPORTATION				NOT TO SCALE				1194	106(B)BR(B)BR-1)BDR	STARK	44	42
SHI. 2 OF 2								CONTRACT NO. 68G38				
CADD STD. 630101-04								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'-5" (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	BENUM, F-8.03, NEW REVISION BOX	J.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 DIMS. WITH T.S.	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

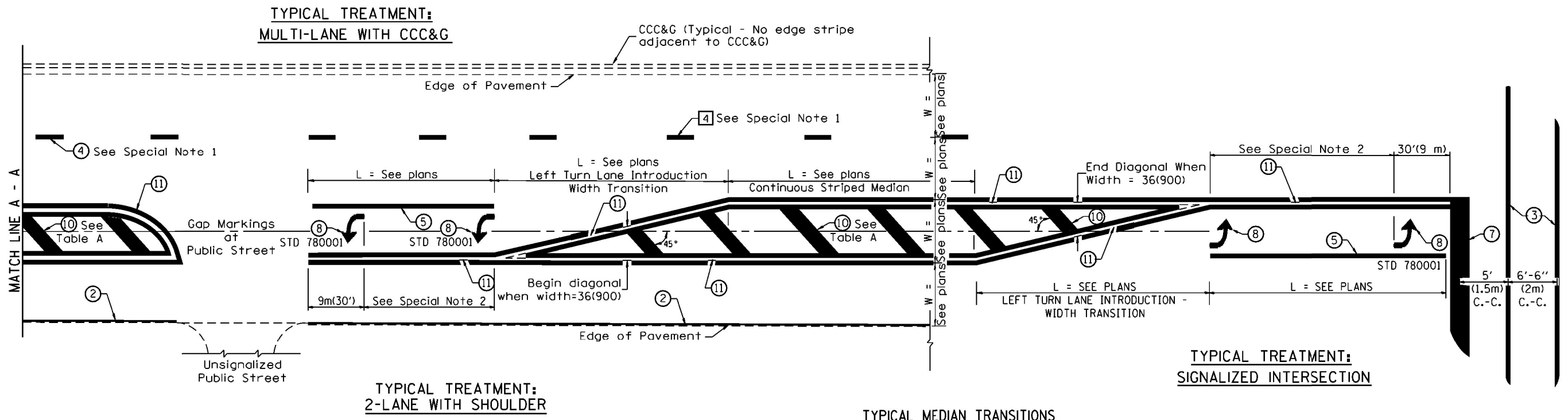
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TYPICAL PAVEMENT MARKINGS

SHI, 1 OF 2
CADD STD. 780001-04

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1194	106(B)BR(B)BR-1)BOR	STARK	44	43
CONTRACT NO. 68C38				

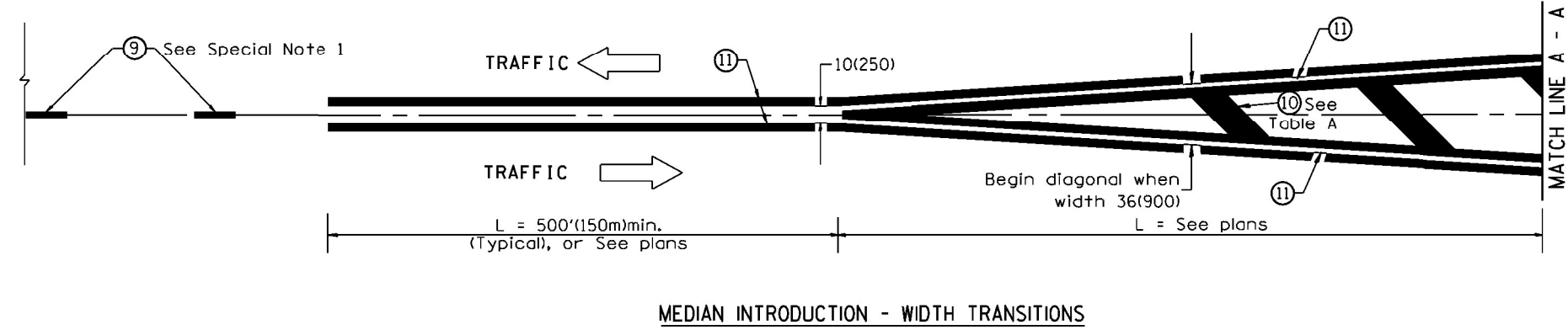
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT



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.