

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(A,B)BR-1	EDGAR	48	1
		ILLINOIS	CONTRACT NO. 70C02	

090

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3-4

PROPOSED HIGHWAY PLANS

FAP ROUTE 332 (US 150 /IL 1)
SECTION (A,B)BR-1
PROJECT NHPP-JTIP(027)
1 MILE SOUTH OF RIDGE FARM,
4 MILES NORTH OF CHRISMAN
& NORTH CITY LIMITS OF CHRISMAN
BRIDGE DECK REPAIRS
EDGAR COUNTY

C-95-035-16

D-95-035-16



US 150 (IL 1)

CURRENT TRAFFIC DATA STR. 023-0001 /023-0002	
2016 ADT =	2,700
2036 ADT =	2,950
PU+PC % =	84.4
SU % =	5.9
MU% =	9.7

US 150 (IL 1)

CURRENT TRAFFIC DATA STR. 023-0003	
2016 ADT =	3,900
2036 ADT =	4,300
PU+PC % =	87.1
SU % =	5.9
MU% =	7.0

DESIGN DESIGNATION
OTHER PRINCIPAL ARTERIAL

DESIGN DESIGNATION
OTHER PRINCIPAL ARTERIAL



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

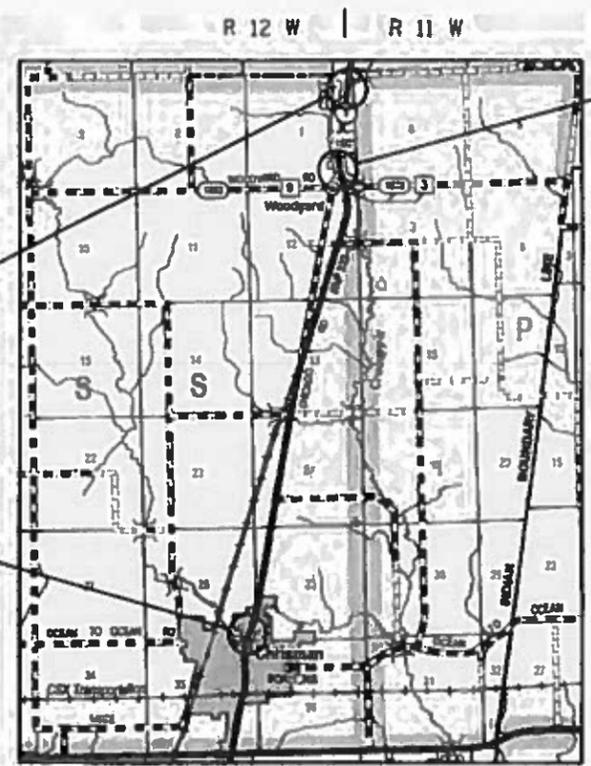
TOWNSHIPS: ROSS

PROJECT ENGINEER: TIM BRANDENBURG
PROJECT DESIGNER: ERIC SHAWLER

CONTRACT NO. 70C02

EXISTING S.N. 023-0001
US 150 (IL-1)
1 MILE SOUTH OF RIDGE FARM
BRIDGE DECK REPAIRS

EXISTING S.N. 023-0003
US 150 (IL-1)
NORTH EDGE OF CHRISMAN
BRIDGE DECK REPAIRS



EXISTING S.N. 023-0002
US 150 (IL-1)
4 MILES NORTH OF CHRISMAN
BRIDGE DECK REPAIRS

GROSS LENGTH = x.xx FT. = x.xxx MILE
NET LENGTH = x.xx FT. = x.xxx MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 5 2019
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

May 10 2019
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 19 2019
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

EDGAR CO.
FAP 332 US-150 (IL-1)
RURAL / TWO-LANE
BRIDGE
80% FED / 20% STATE
0059

STATION	STATION	STATION
8+80.00	46+44.00	274+75.00
S.N. 023-0001	S.N. 023-0002	S.N. 023-0003
QUANTITY	QUANTITY	QUANTITY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	S.N. 023-0001 QUANTITY	S.N. 023-0002 QUANTITY	S.N. 023-0003 QUANTITY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	205.0	85.0	54.0	66.0
40603415	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, N50	TON	121.0	47.0	36.0	38.0
50102400	CONCRETE REMOVAL	CU YD	3.2	1.6	1.6	0.0
50900200	STEEL RAILING, TYPE 2399	FOOT	123.0	61.0	62.0	0.0
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	800.0	400.0	400.0	0.0
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	8.0	4.0	4.0	0.0
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8.0	4.0	4.0	0.0
63200310	GUARDRAIL REMOVAL	FOOT	1,500.0	750.0	750.0	0.0
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6.0	2.0	2.0	2.0
67100100	MOBILIZATION	L SUM	1.0	0.3	0.4	0.3
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	3.0	1.0	1.0	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	0.3	0.4	0.3
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	3.0	1.0	1.0	1.0
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8.0	4.0	4.0	0.0

* SPECIALTY ITEM

MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
 DRAWING: \\DRAWING

USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(A,B)BR-1	EDGAR	48	3
CONTRACT NO. 70C02				
ILLINOIS FED. AID PROJECT				

GUARDRAIL SCHEDULES

STRUCTURE 023-0001

GUARDRAIL & TRAFFIC BARRIER TERMINALS								
Structure 023-0001			63000001	63100087	63100167	72501000	78200005	63200310
Side	Begin Station	End Station	SPBGR TYPE A 6 FT POSTS (foot)	TBT TYPE 6A (each)	TBT TYPE 1 (SPEC) TANG (each)	TERMINAL MARKER DIR APP (each)	GUARDRAIL MARKERS TYPE A (each)	GUARDRAIL REMOVAL (foot)
Right	6+56.42	8+81.42						225.0
Right	9+11.59	10+61.59						150.0
Right	6+56.42	7+06.42			1.0	1.0	1.0	
Right	7+06.42	8+43.92	137.5				2.0	
Right	8+43.92	8+81.42		1.0			1.0	
Right	9+11.59	9+49.09		1.0			1.0	
Right	9+49.09	10+11.59	62.5				1.0	
Right	10+11.59	10+61.59			1.0	1.0	1.0	
Left	6+92.75	8+42.75						150.0
Left	8+72.65	10+97.65						225.0
Left	6+92.75	7+42.75			1.0	1.0	1.0	
Left	7+42.75	8+05.25	62.5				1.0	
Left	8+05.25	8+42.75		1.0			1.0	
Left	8+72.65	9+10.15		1.0			1.0	
Left	9+10.15	10+47.65	137.5				2.0	
Left	10+47.65	10+97.65			1.0	1.0	1.0	
Totals			400.0	4.0	4.0	4.0	14.0	750.0

STRUCTURE 023-0002

GUARDRAIL & TRAFFIC BARRIER TERMINALS								
Structure 023-0001			63000001	63100087	63100167	72501000	78200005	63200310
Side	Begin Station	End Station	SPBGR TYPE A 6 FT POSTS (foot)	TBT TYPE 6A (each)	TBT TYPE 1 (SPEC) TANG (each)	TERMINAL MARKER DIR APP (each)	GUARDRAIL MARKERS TYPE A (each)	GUARDRAIL REMOVAL (foot)
Right	44+02.28	46+27.28						225.0
Right	46+56.47	48+06.47						150.0
Right	44+02.28	44+52.28			1.0	1.0	1.0	
Right	44+52.28	45+89.78	137.5				2.0	
Right	45+89.78	46+27.28		1.0			1.0	
Right	46+56.47	46+93.97		1.0			1.0	
Right	46+93.97	47+56.47	62.5				1.0	
Right	47+56.47	48+06.47			1.0	1.0	1.0	
Left	44+77.67	46+27.67						150.0
Left	46+58.41	48+83.41						225.0
Left	44+77.67	45+27.67			1.0	1.0	1.0	
Left	45+27.67	45+90.17	62.5				1.0	
Left	45+90.17	46+27.67		1.0			1.0	
Left	46+58.41	46+95.91		1.0			1.0	
Left	46+95.91	48+33.41	137.5				2.0	
Left	48+33.41	48+83.41			1.0	1.0	1.0	
Totals			400.0	4.0	4.0	4.0	14.0	750.0

MODEL: \\MODELNAME
 FILE: \\NAME.PLOT
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USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL SCHEDULE			
S.N. 023-0001 & S.N. 023-0002			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(A,B)BR-1	EDGAR	48	5
CONTRACT NO. 70C02				
ILLINOIS		FED. AID PROJECT		

STRUCTURE 023-0001 WAS ORIGINALLY BUILT IN 1954 AS SECTION (A,B)BR CONTRACT N/A AT STATION 8+80 BY THE STATE OF ILLINOIS IN EDGAR COUNTY. THE STRUCTURE IS A SINGLE SPAN REINFORCED CONCRETE SLAB RESTING ON CLOSED ABUTMENTS. THE STRUCTURE HAS A BACK TO BACK ABUTMENT LENGTH OF 31'-1" AND IS SKEWED AT 45°-00" RIGHT FORWARD. THE OUT TO OUT WIDTH IS 40'-4" WITH A ROADWAY WIDTH OF 37'-0". THE PARAPET IS A 1'-8" CONCRETE CURB WITH A 1'-2" CONCRETE RAIL. THE REINFORCED CONCRETE DECK THICKNESS IS 1'-4 1/2" WITH A 1/2" PREFORMED JOINT AT THE CENTER. IN 1983 THE STRUCTURE WAS MAINTAINED UNDER SECTION 47RS-7 & (A,B)RS-2 CONTRACT 36586. THE DECK UNDERWENT PARTIAL DEPTH PATCHING AND A 5'-6" SECTION OF THE DECK WAS REMOVED AND REPLACED AT THE 1/2" PREFORMED JOINT. THIS ELIMINATED THE OPEN JOINT THE ENTIRE LENGTH OF THE DECK. A WATERPROOFING MEMBRANE SYSTEM AND 1 1/2" BITUMINOUS WEARING SURFACE WAS REMOVED AND REPLACED ON THE DECK. IN 2001 THE STRUCTURE WAS MAINTAINED UNDER SECTION 47RS-12 & 47(A,B)RS-3 CONTRACT 90714. A 1/2" OF BITUMINOUS WEARING SURFACE WAS REMOVED AND REPLACED WITH 1 1/2" BITUMINOUS SURFACE COURSE.

Method of Construction is Stage Construction

SCOPE OF WORK

1. REMOVAL OF THE EXISTING HMA SURFACE FROM BRIDGE DECK.
2. DECK SLAB REPAIR (PARTIAL).
3. PLACE FULL LANE SEALANT WATERPROOFING SYSTEM.
4. PLACE PROPOSED HMA SURFACE COURSE TO PROPOSED PROFILE GRADE.
5. REMOVE CONCRETE BRIDGE RAIL.
6. INSTALL STEEL RAILING.

TOTAL BILL OF MATERIALS

ITEM	UNITS	TOTAL
BITUMINOUS MATERIAL (TACK COAT)	POUND	85.0
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 FG, N50	TON	47.0
CONCRETE REMOVAL	CU YD	1.6
STEEL RAILING, TYPE 2399	FOOT	61.0
FULL LANE SEALANT WATERPROOFING SYSTEM	SQ YD	153.0
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	330.0
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO < 5 INCHES)	SQ FT	17.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	9.0

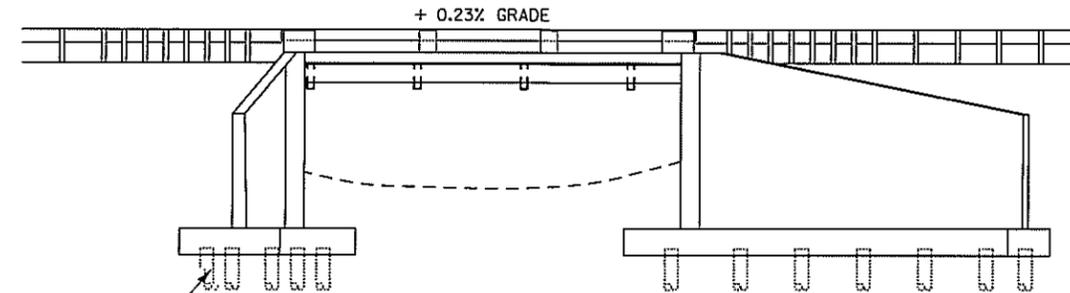
GENERAL NOTES

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 WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

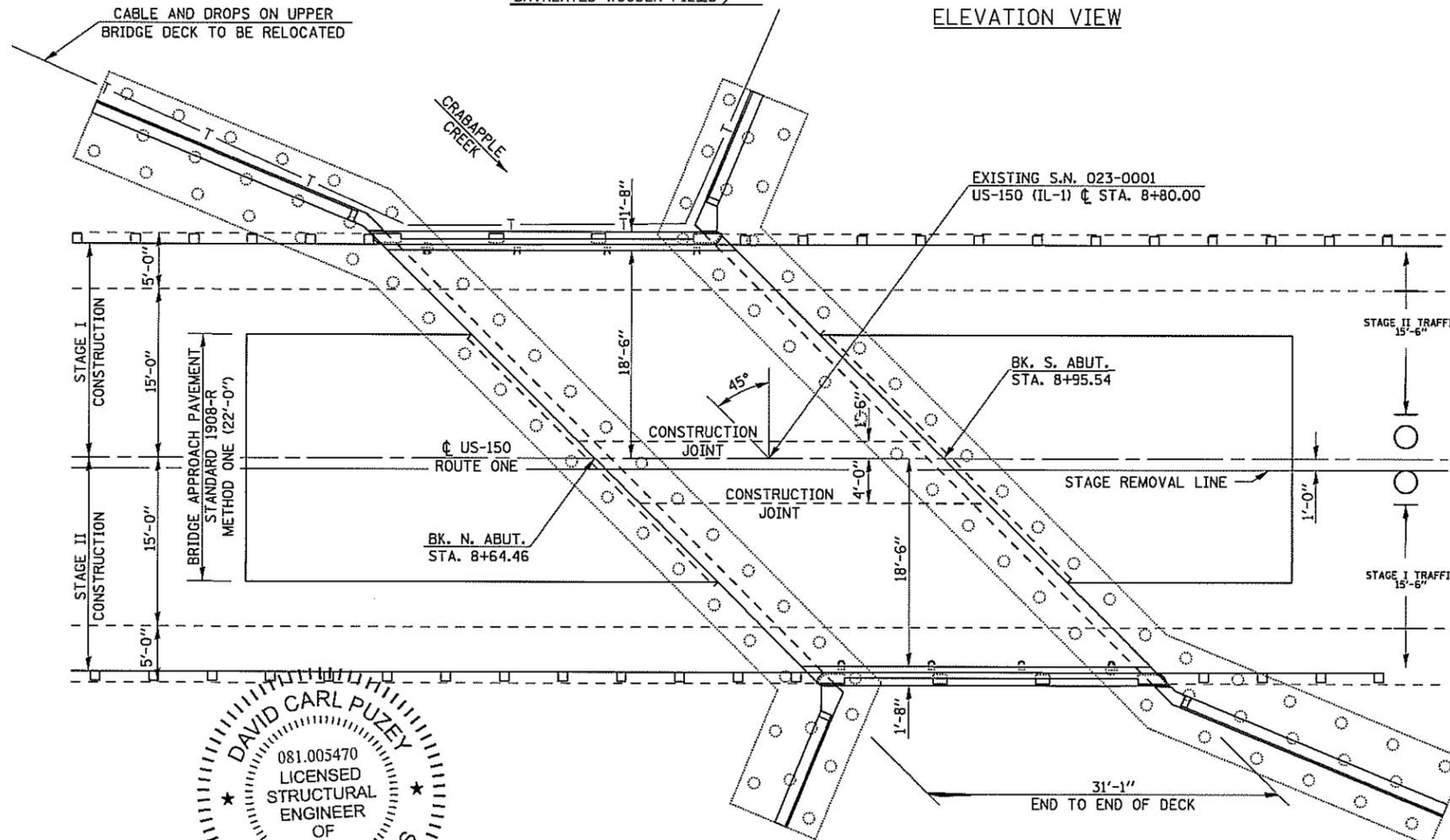
SEE SPECIAL PROVISION "DECK SLAB REPAIR" FOR ADDITIONAL REQUIREMENTS PERTAINING TO DECK SLAB REPAIR AND H.M.A. SURFACE REMOVAL (DECK).

S.N. 023-0001 WAS DETERMINED, THROUGH TESTING, NOT TO INVOLVE ASBESTOS IN A BITUMINOUS BRIDGE DECK WEARING SURFACE OR WATERPROOFING MEMBRANE. AS CERTIFIED WITH BBS FORM 2536, JANUARY 3, 2003.

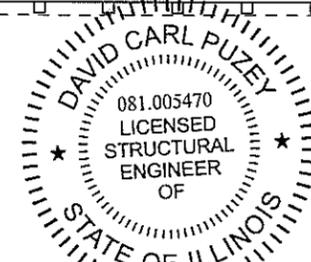
EXISTING NAME PLATE SHALL BE CLEANED AND RELOCATED PER HIGHWAY STANDARD 515001 AND ATTACHED PER ARTICLE 515.04(C). COST INCLUDED IN "STEEL RAILING, TYPE 2399"



ELEVATION VIEW



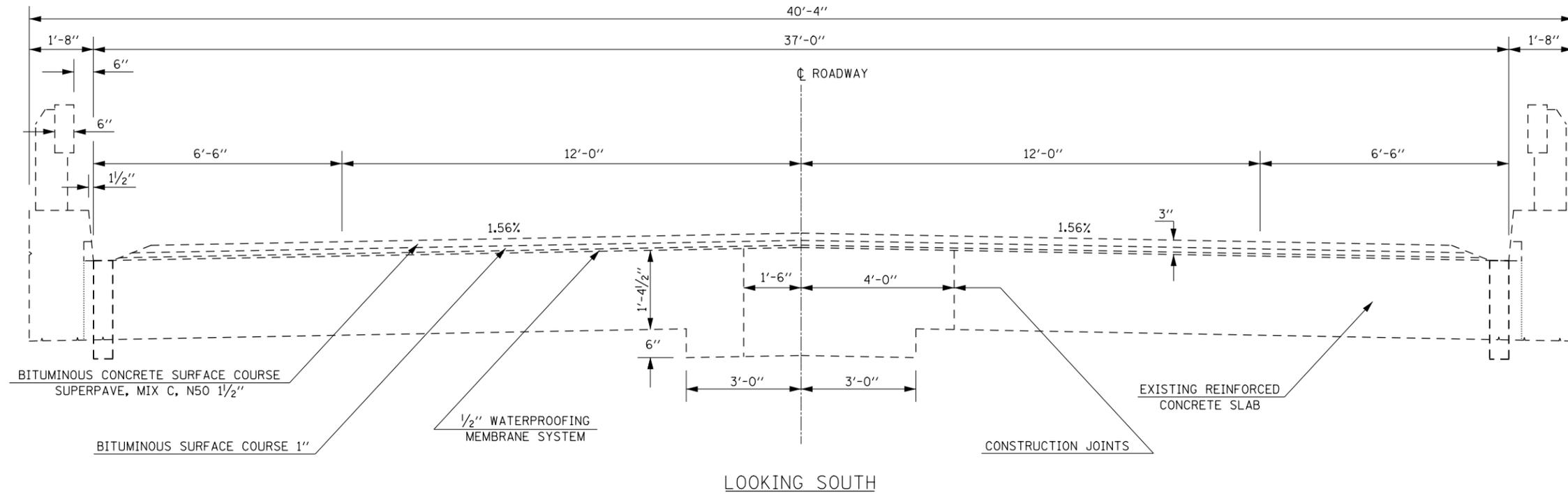
PLAN VIEW



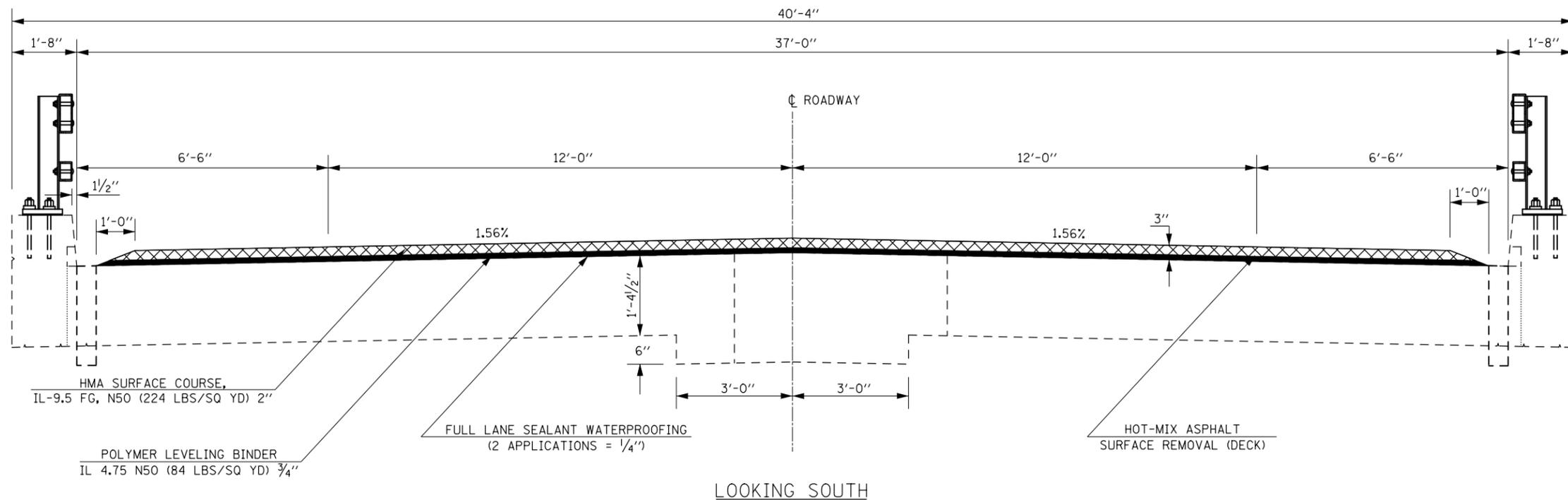
*David Carl Puzey 4/30/19
Expires 4/30/20*

FILE NAME =	USER NAME = shawleres	DESIGNED - ESS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION S.N. 023-0001		F.A.P. RTE. 332	SECTION (A,B)BR-1	COUNTY EDGAR	TOTAL SHEETS 48	SHEET NO. 6	
PLLOT SCALE = 40.0000' / 1" =	CHECKED -	REVISIONS	REVISIONS		SCALE:	SHEET 1 OF 13 SHEETS	STA. 8+64.46 TO STA. 8+95.54	CONTRACT NO. 70C02		(ILLINOIS) FED. AID PROJECT		
#MODELNAME#	PLLOT DATE = 2/21/2019	DATE - 5-12-2016	REVISED -									

EXISTING DECK CROSS SECTION S.N. 023-0001

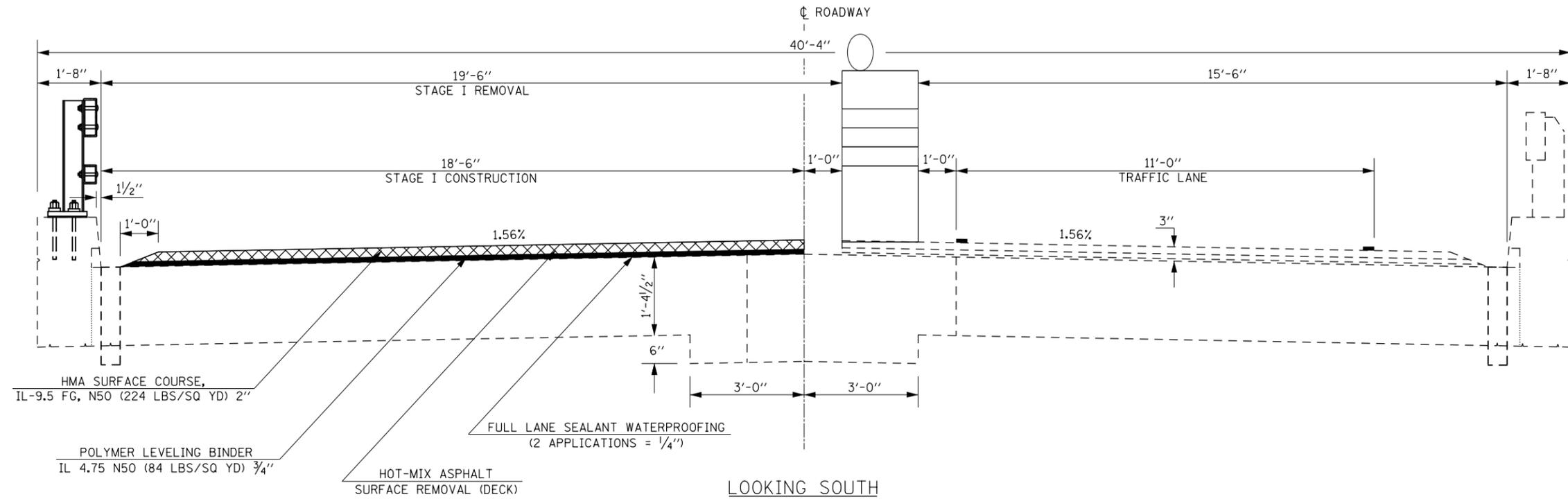


PROPOSED DECK CROSS SECTION S.N. 023-0001

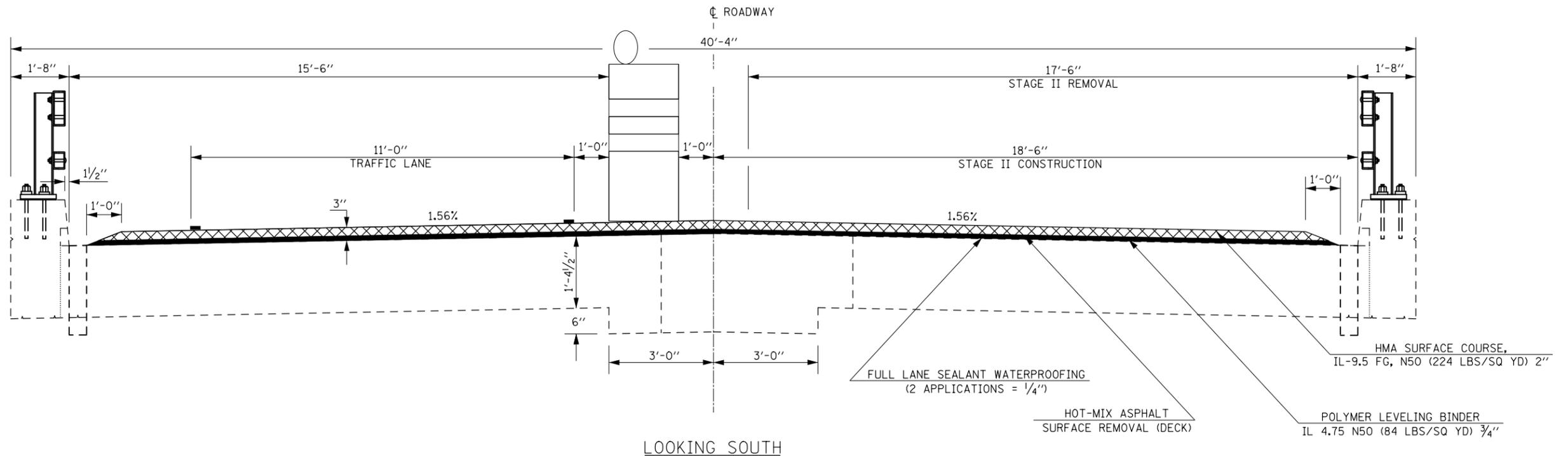


FILE NAME =	USER NAME = showleres	DESIGNED - ESS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK CROSS SECTIONS S.N. 023-0001			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN BY =					SCALE:			332	(A,B)BR-1	EDGAR	48	7	
PLOT SCALE = 40.0000' / in.					SHEET 2 OF 13 SHEETS			CONTRACT NO. 70C02			ILLINOIS FED. AID PROJECT		
PLOT DATE = 2/21/2019					DATE - 5-16-2016			STA. TO STA.					

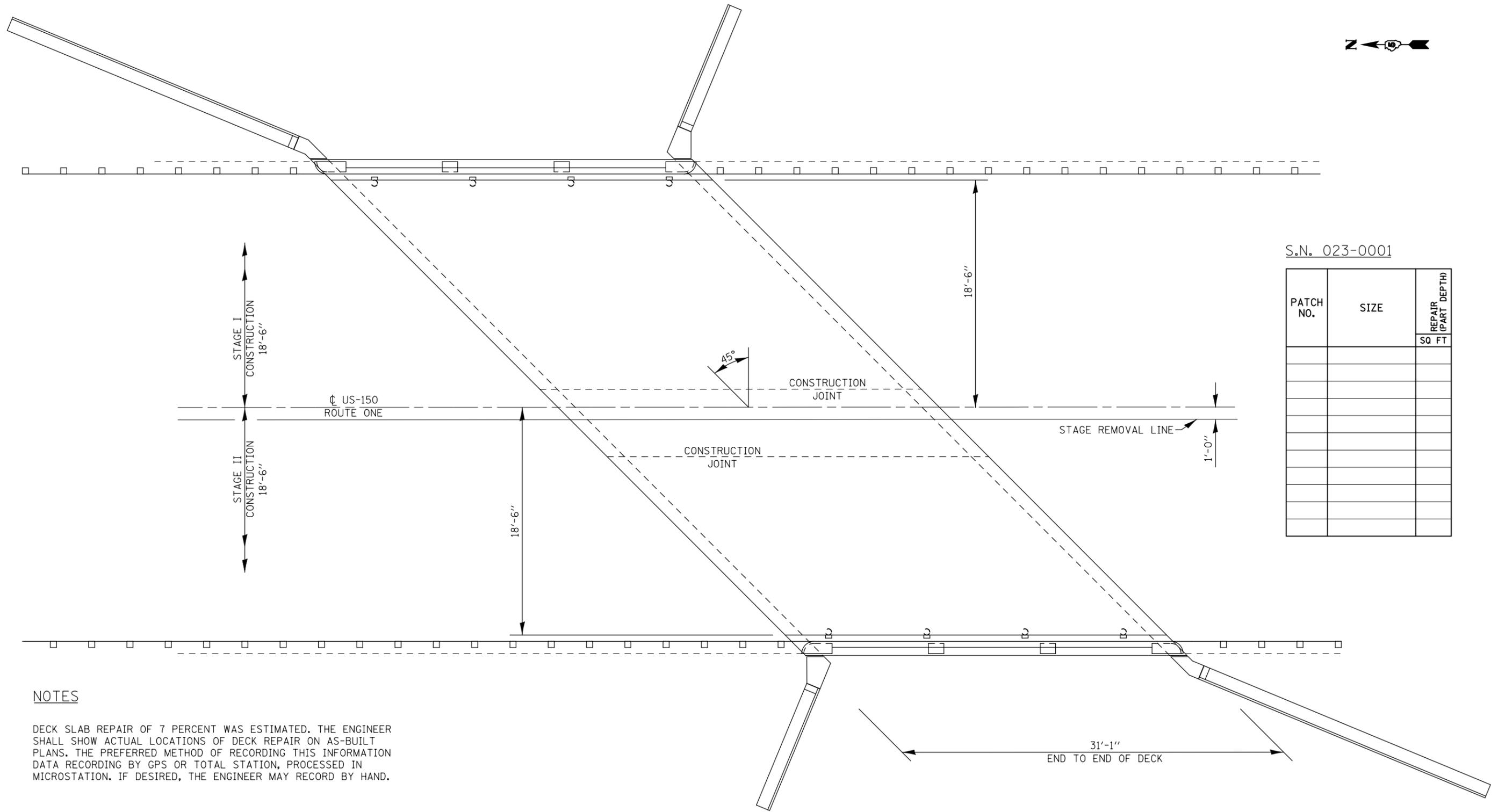
STAGE I CONSTRUCTION DETAIL S.N. 023-0001



STAGE II CONSTRUCTION DETAIL S.N. 023-0001



FILE NAME =	USER NAME = shawleres	DESIGNED - ESS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS S.N. 023-0001	F.A.P. R.E. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
						332	(A,B)BR-1	EDGAR	48	8
MODELNAME						SCALE: SHEET 3 OF 13 SHEETS STA. TO STA.		CONTRACT NO. 70C02 ILLINOIS FED. AID PROJECT		



S.N. 023-0001

PATCH NO.	SIZE	REPAIR (PART DEPTH)
		SQ FT

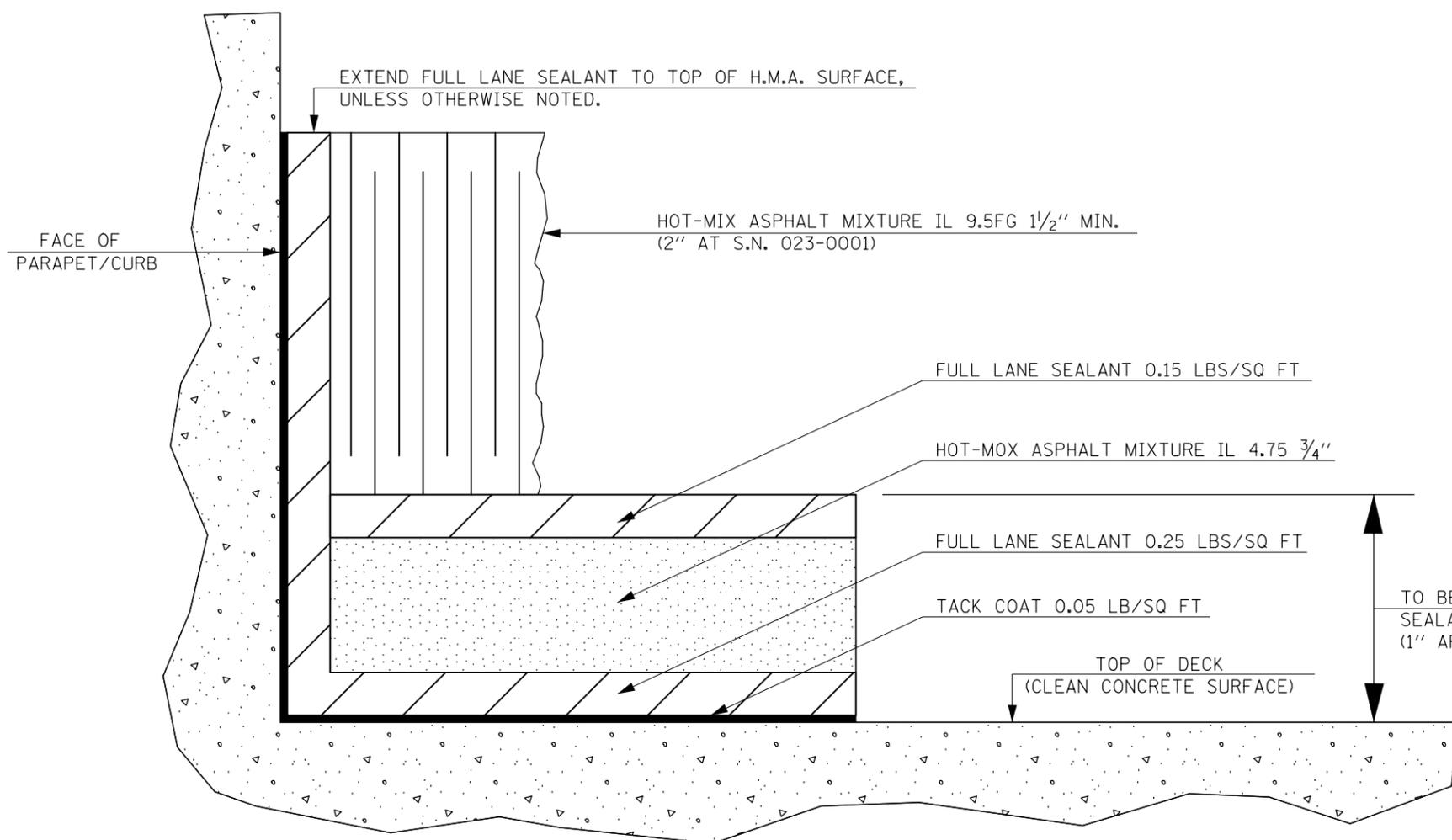
NOTES

DECK SLAB REPAIR OF 7 PERCENT WAS ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIR ON AS-BUILT PLANS. THE PREFERRED METHOD OF RECORDING THIS INFORMATION DATA RECORDING BY GPS OR TOTAL STATION, PROCESSED IN MICROSTATION. IF DESIRED, THE ENGINEER MAY RECORD BY HAND.

BILL OF MATERIALS

ITEM	UNIT	TOTAL
DECK SLAB REPAIR (PARTIAL)	SQ YD	9.0

PLAN VIEW

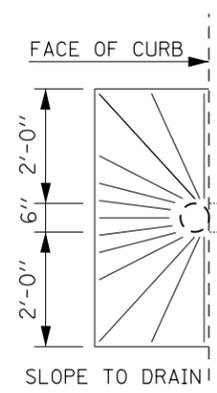


FULL LANE SEALANT WATERPROOFING SYSTEM

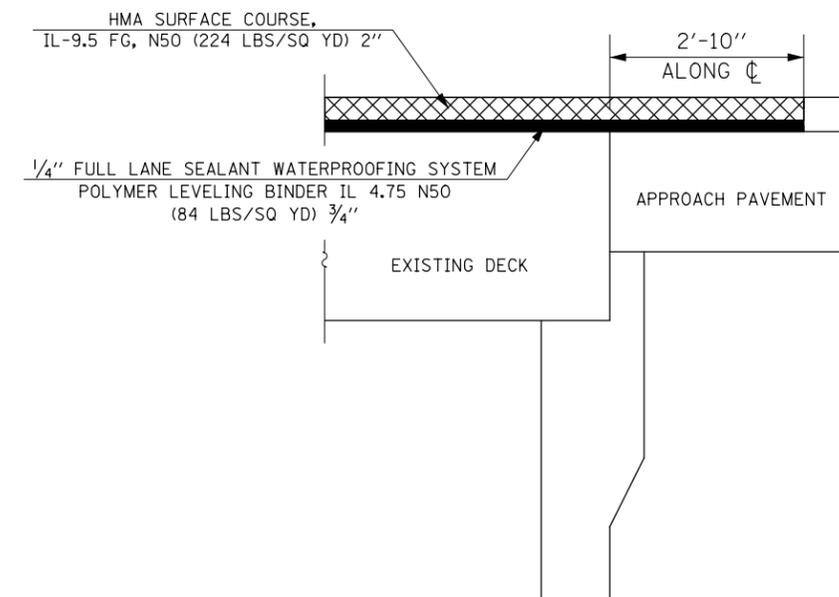
ESTIMATED QUANTITIES FOR FULL LANE SEALANT WATERPROOFING SYSTEM OF 153.0 SQ YD

ITEM	UNIT	TOTAL
TACK COAT	POUND	68.0
FULL LANE SEALANT	POUND	544.0
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL4.75 N50	TON	6.35

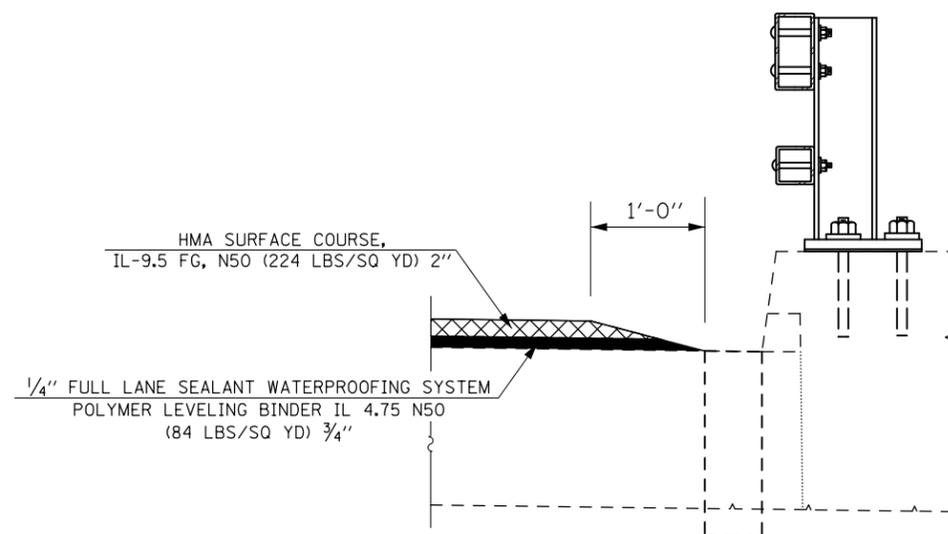
NOTE: THIS WORK WILL BE PAID AT THE CONTRACT UNIT PRICE FOR "FULL LANE SEALANT WATERPROOFING SYSTEM". SEE SPECIAL PROVISION FULL LANE SEALANT WATERPROOFING SYSTEM(CBM).



PLAN VIEW AT CURB DRAIN



SECTION AT ABUTMENT
(VIEW OF SEALANT WATERPROOFING AT JOINT)



SECTION AT CURB DRAIN

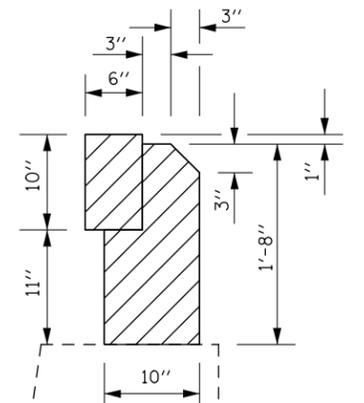
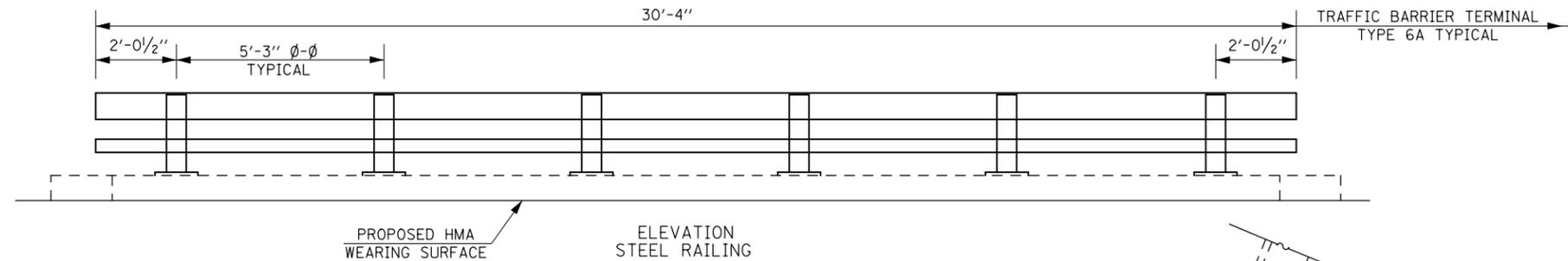
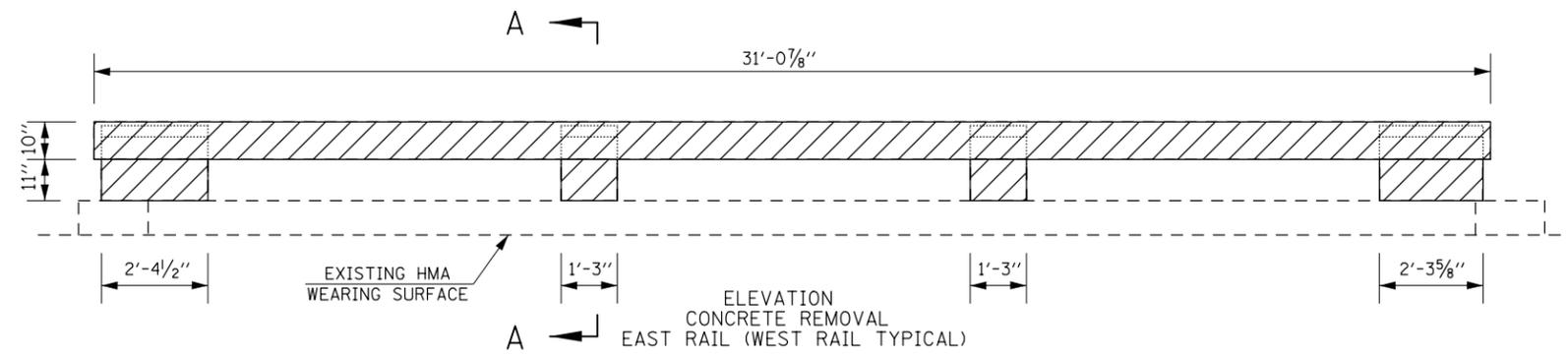
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\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/21/2019	DATE - 6-7-2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK WEARING SURFACE DETAILS
S.N. 023-0001

SCALE: SHEET 6 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(A,B)BR-1	EDGAR	48	11
CONTRACT NO. 70C02			ILLINOIS FED. AID PROJECT	



SECTION A-A
CONCRETE REMOVAL

NOTE: EXISTING NAME PLATE LOCATED ON THE WEST CONCRETE RAIL; RELOCATE AND ATTACH TO STEEL RAIL. COST INCLUDED WITH "STEEL RAILING, TYPE 2399".

LEGEND

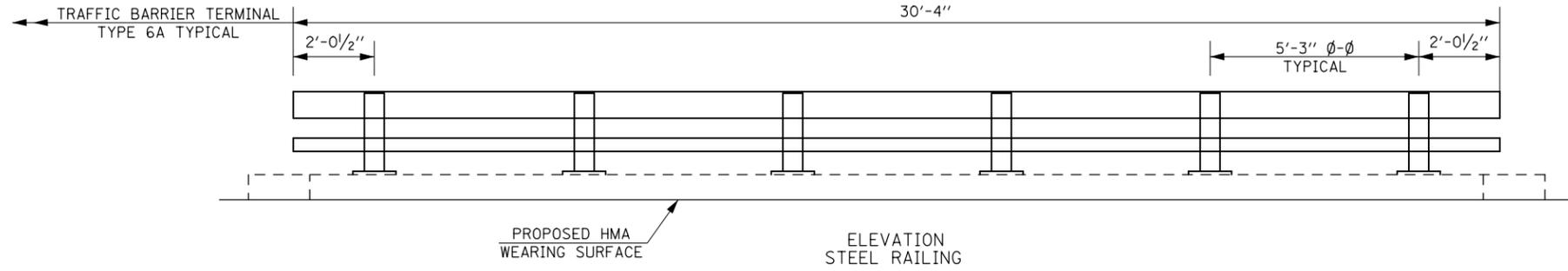
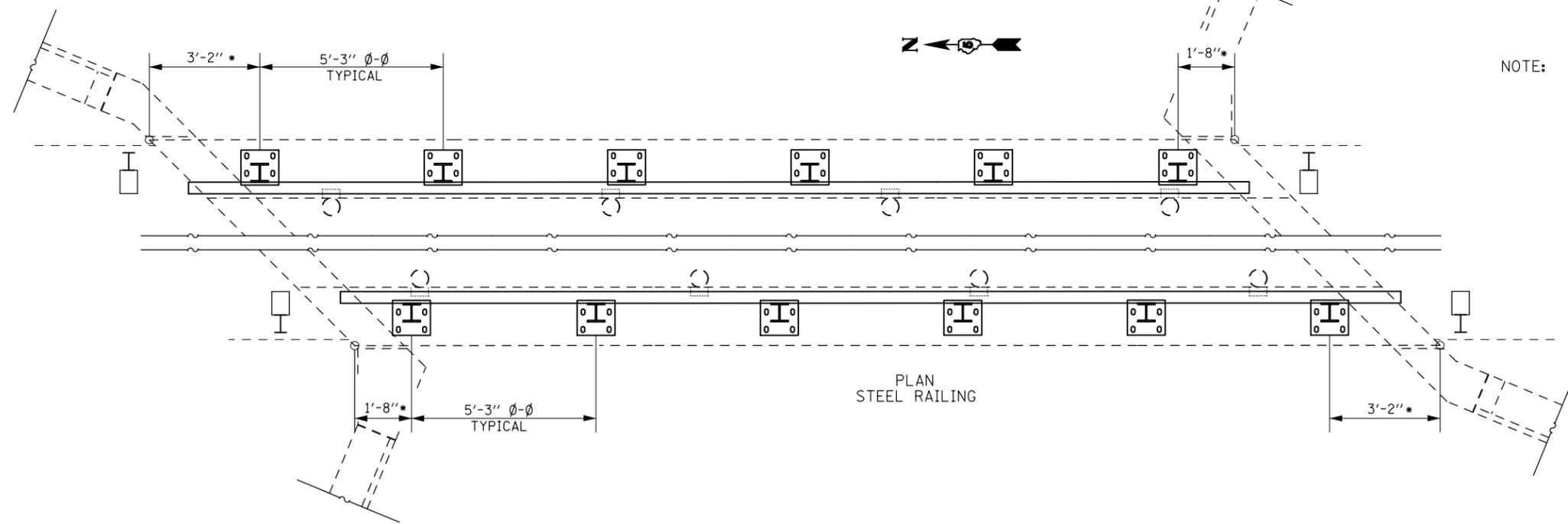
- CONCRETE REMOVAL
- BASE PLATE
- TRAFFIC BARRIER TERMINAL TYP 6A POST & BLOCKOUT.

* CORNER OF DECK TO CENTER OF POST.

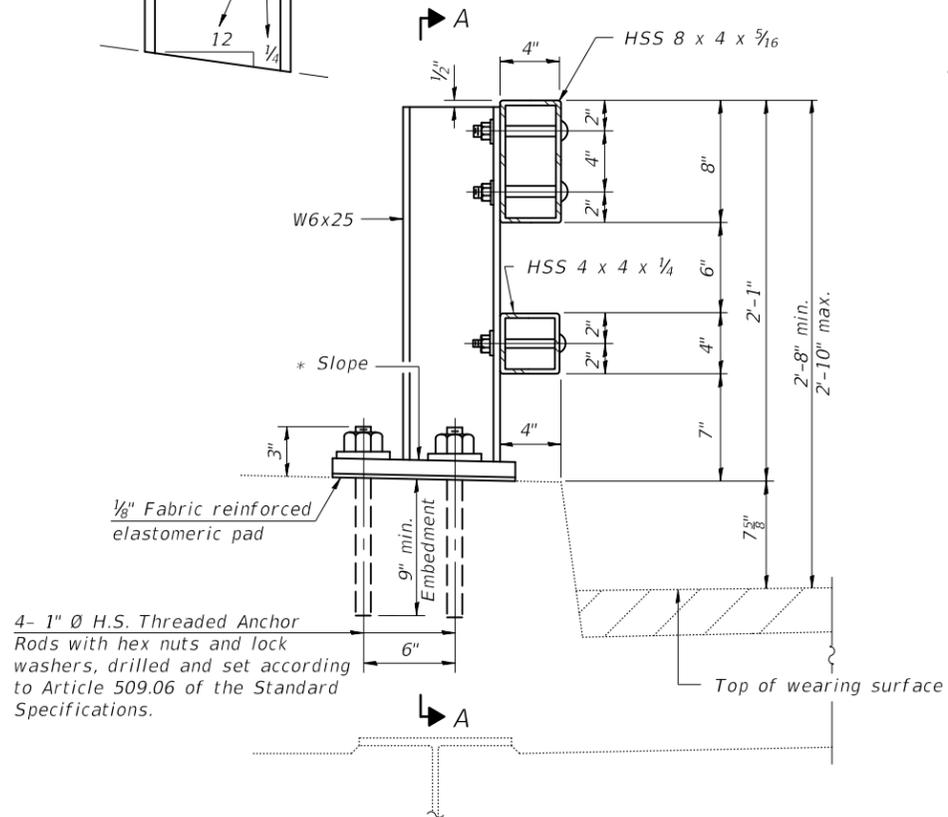
FOR ADDITIONAL DETAILS FOR STEEL RAILING SEE NEXT SHEET.

BILL OF MATERIALS

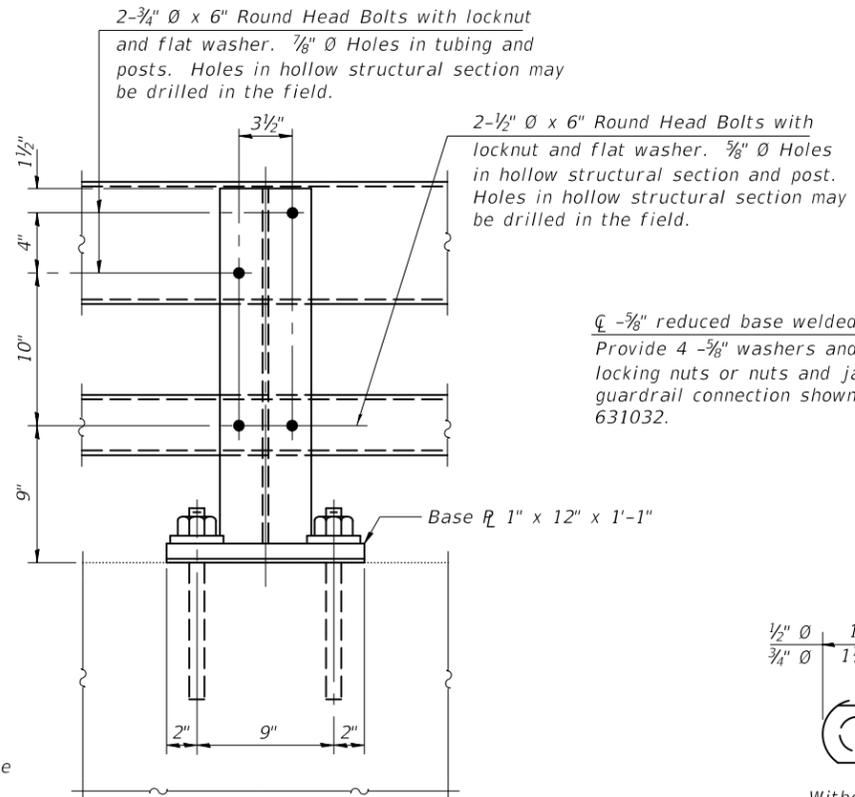
ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	1.6



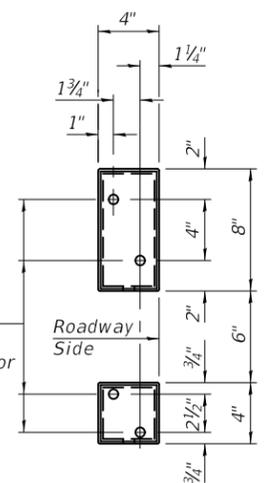
* Cut bottom end of post to curb slope.



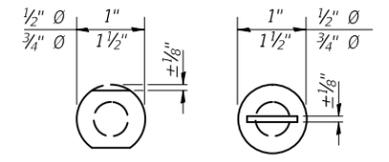
SECTION AT RAIL POST



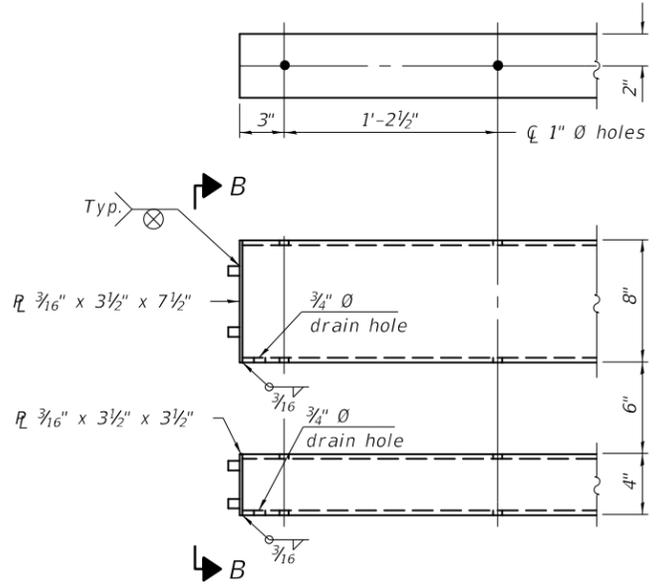
SECTION A-A



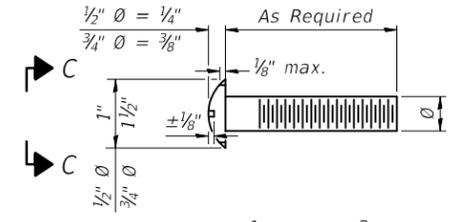
VIEW B-B



VIEW C-C

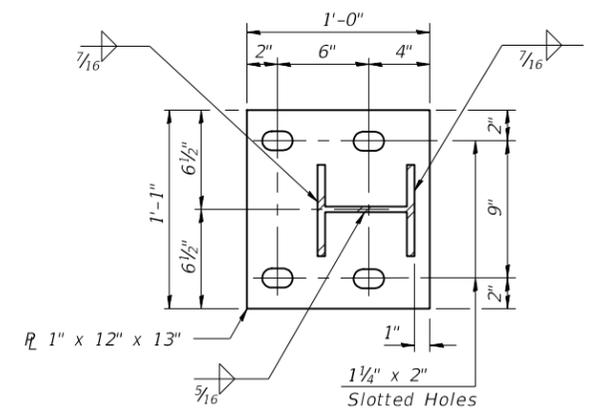


END OF RAIL DETAILS

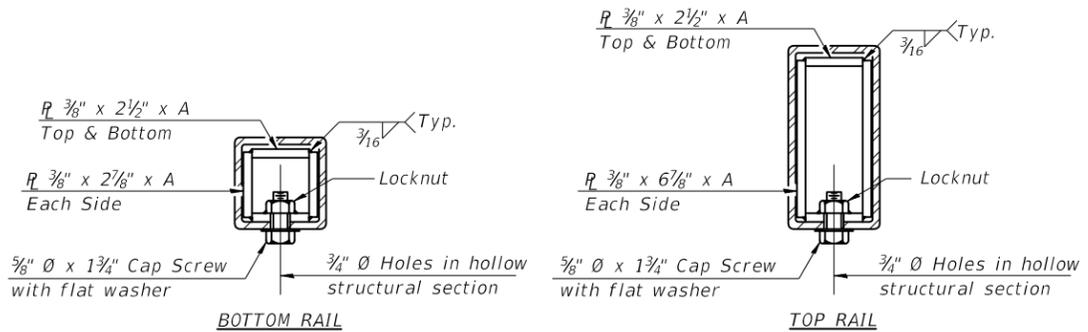


DETAIL OF 1/2 INCH & 3/4 INCH ROUND HEAD BOLTS

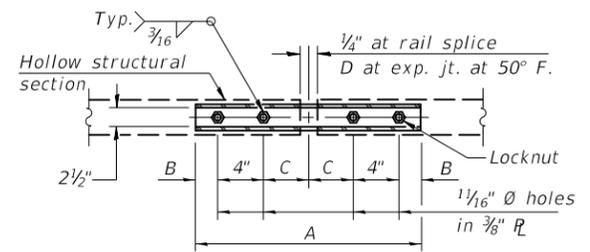
Notes:
 Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.
 Steel Bridge Rail expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened only to a point that will allow railing movement.
 Provide one 1/8" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



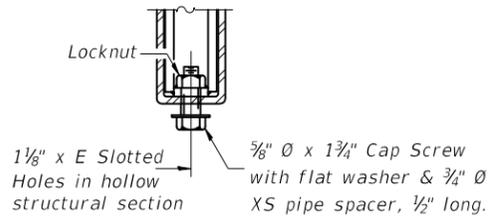
BASE PLATE DETAIL



SECTIONS AT RAIL SPLICE



PLAN-BOTT. SPLICE R TYPICAL



RAIL SPLICE CONNECTION AT EXPANSION JT.

SPLICE DIMENSIONS

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/2"	1'-8"	2"	4"	—

T = Total movement at expansion joint as shown on the design plans.

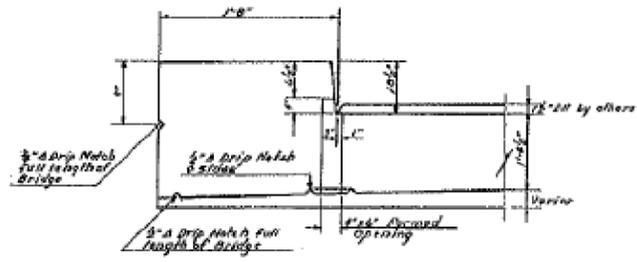
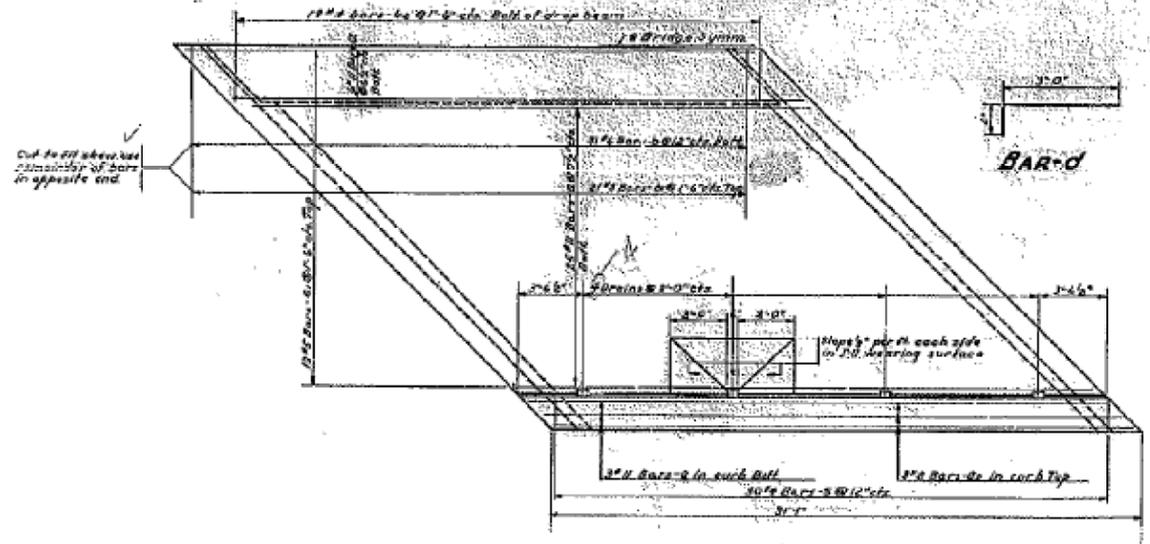
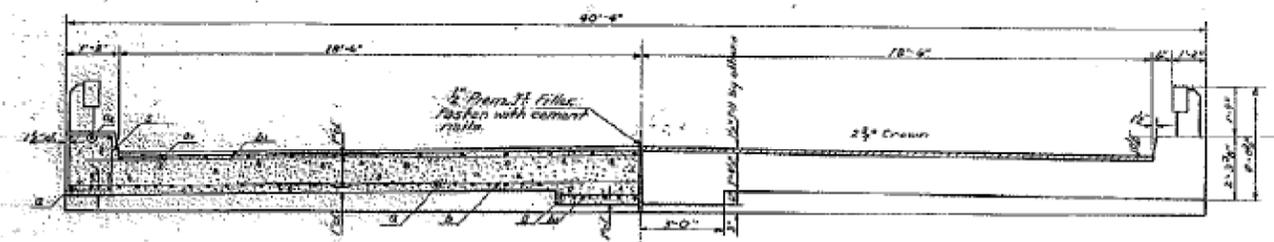
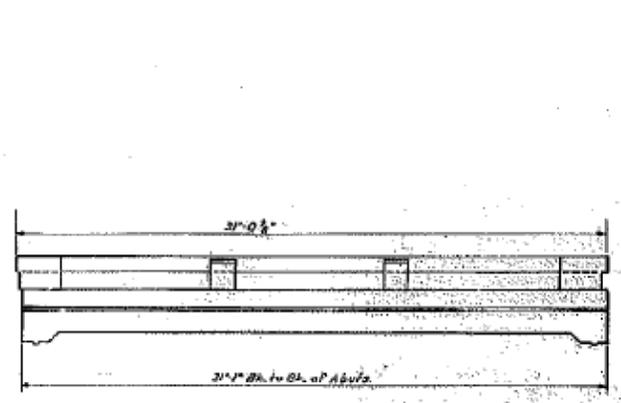
BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	61.0

AS-BUILT PLANS FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	DATE	BY	CHKD.	SHEETS
100-0000	BRIDGE	1/18	JG	9	3 SHEETS



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SQARE	
a	68	#7	32'-0"		
b	24	#6	30'-0"		
c	4	#6	30'-0"		
d	66	#6	25'-0"		
e	42	#6	25'-0"		
f	30	#6	25'-0"		
g	24	#6	25'-0"		
h	16	#6	25'-0"		
i	16	#6	25'-0"		
j	60	#6	25'-0"		
Handrail Concrete				Cu Yds	1.5
Class X Concrete				Cu Yds	7.8
Reinforcement Bars				Lbs	16580

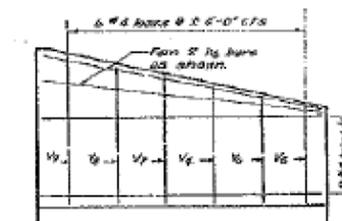
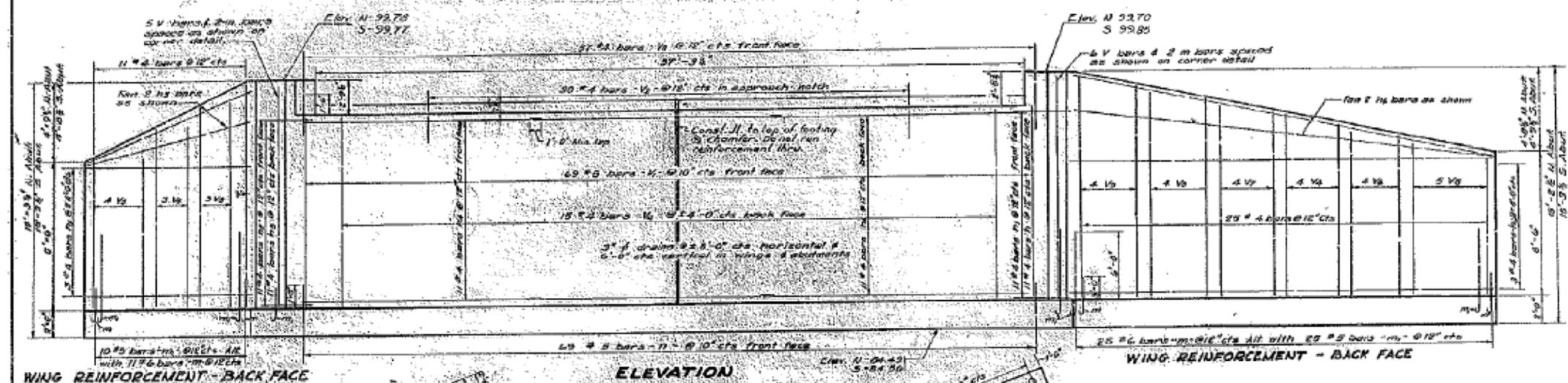
DESIGNED: *Mark L. Sullivan*
 EXAMINED: *W. E. Hansen*
 CHECKED: *J. J. Voth*
 DRAWN: *C. Green*
 CHECKED: *Y.C.*

SUPERSTRUCTURE
S.B.I. Rt. 1 Sec. A-BR
EDGAR COUNTY
STA. 8+80

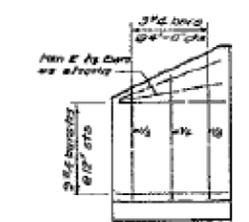
AS-BUILT PLANS FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

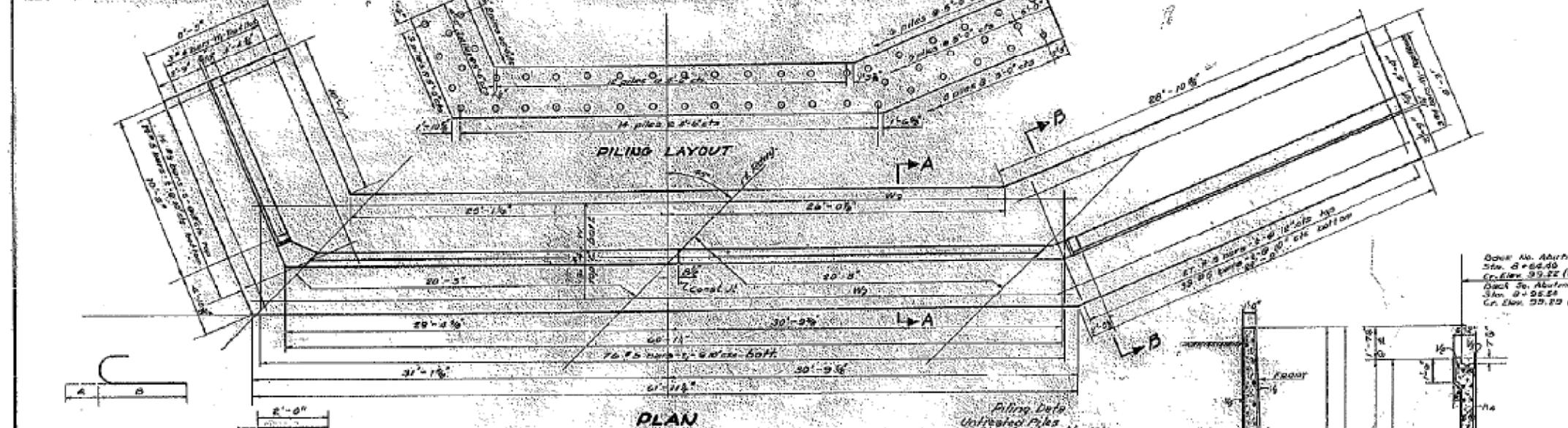
PROJECT NO.	DATE	SCALE	SHEET NO.	TOTAL SHEETS
1072	1/28/20	AS SHOWN	18	37



WING REINFORCEMENT FRONT FACE



WING REINFORCEMENT FRONT FACE



PILING LAYOUT

PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
11	22	#4	2'-0"	
12	22	#4	3'-0"	
13	22	#4	3'-10"	
14	22	#4	3'-0"	
15	22	#4	30'-0"	
16	32	#4	10'-0"	
17	32	#4	10'-0"	
18	64	#4	13'-0"	
19	72	#6	5'-0"	
20	72	#5	8'-1"	
21	122	#5	2'-0"	
22	122	#5	0'-0"	
23	168	#5	6'-0"	
24	22	#5	15'-0"	
25	22	#5	10'-0"	
26	22	#5	4'-0"	
27	114	#5	3'-0"	
28	48	#5	10'-0"	
29	22	#5	8'-0"	
30	18	#5	9'-0"	
31	18	#5	11'-0"	
32	18	#5	12'-0"	
33	22	#5	10'-0"	
34	22	#5	14'-0"	

Reinforcement Bars (lbs) 10,670
Class II Concrete cu.yds. 192.0
Class A Excav for Struck on job 95
Class II Backfill for Struck on job 26.8
Estimated Piles (100' long) 27.0

Bar	A	B
11	0"	4'-6"
12	7"	1'-0"

Bar	A	B	C
13	1'-0"	10"	23'-30"
14	3'-0"	8"	22'-30"
15	1'-9"	2'-1"	19'-30"
16	1'-0"	2'-0"	27'-0"

DESIGNED BY David J. Sullivan
CHECKED BY [Signature]
DRAWN BY [Signature]
CHECKED BY [Signature]

EXAMINED BY [Signature]
PASSED BY [Signature]
APPROVED BY [Signature]

CORNER DETAIL 67°-30'

CORNER DETAIL 22°-30'

SECTION B-B
Near Abutment

SECTION A-A

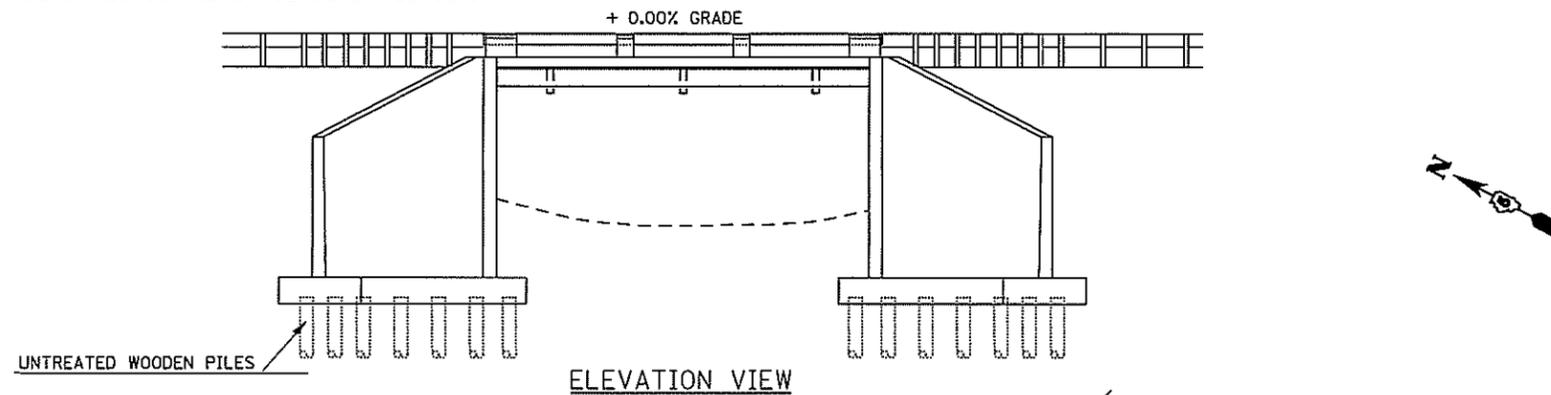
ABUTMENTS
S.B. RT. 1 SECT. A-B
EDGAR COUNTY
STATION 8+80

STRUCTURE 023-0002 WAS ORIGINALLY BUILT IN 1954 AS SECTION (A,B)BR CONTRACT N/A AT STATION 46+44 BY THE STATE OF ILLINOIS IN EDGAR COUNTY. THE STRUCTURE IS A SINGLE SPAN REINFORCED CONCRETE SLAB RESTING ON CLOSED ABUTMENTS. THE STRUCTURE HAS A BACK TO BACK ABUTMENT LENGTH OF 30'-0" AND IS NOT SKEWED. THE OUT TO OUT WIDTH IS 40'-4" WITH A ROADWAY WIDTH OF 37'-0". THE PARAPET IS A 1'-8" CONCRETE CURB WITH A 1'-2" CONCRETE RAIL. THE REINFORCED CONCRETE DECK THICKNESS IS 1'-3 1/2" WITH A 1/2" PREFORMED JOINT AT THE CENTER. IN 1983 THE STRUCTURE WAS MAINTAINED UNDER SECTION 47RS-7 & (A,B)RS-2 CONTRACT 36586. THE DECK UNDERWENT PARTIAL DEPTH PATCHING AND A 2'-6" SECTION OF THE DECK WAS REMOVED AND REPLACED AT THE 1/2" PREFORMED JOINT. THIS ELIMINATED THE OPEN JOINT THE ENTIRE LENGTH OF THE DECK. A WATERPROOFING MEMBRANE SYSTEM AND 1 1/2" BITUMINOUS WEARING SURFACE WAS REMOVED AND REPLACED ON THE DECK. IN 2001 THE STRUCTURE WAS MAINTAINED UNDER SECTION 47RS-12 & 47(A,B)RS-3 CONTRACT 90714. A 1/2" OF BITUMINOUS WEARING SURFACE WAS REMOVED AND REPLACED WITH 1 1/2" BITUMINOUS SURFACE COURSE.

METHOD OF CONSTRUCTION IS STAGE CONSTRUCTION.

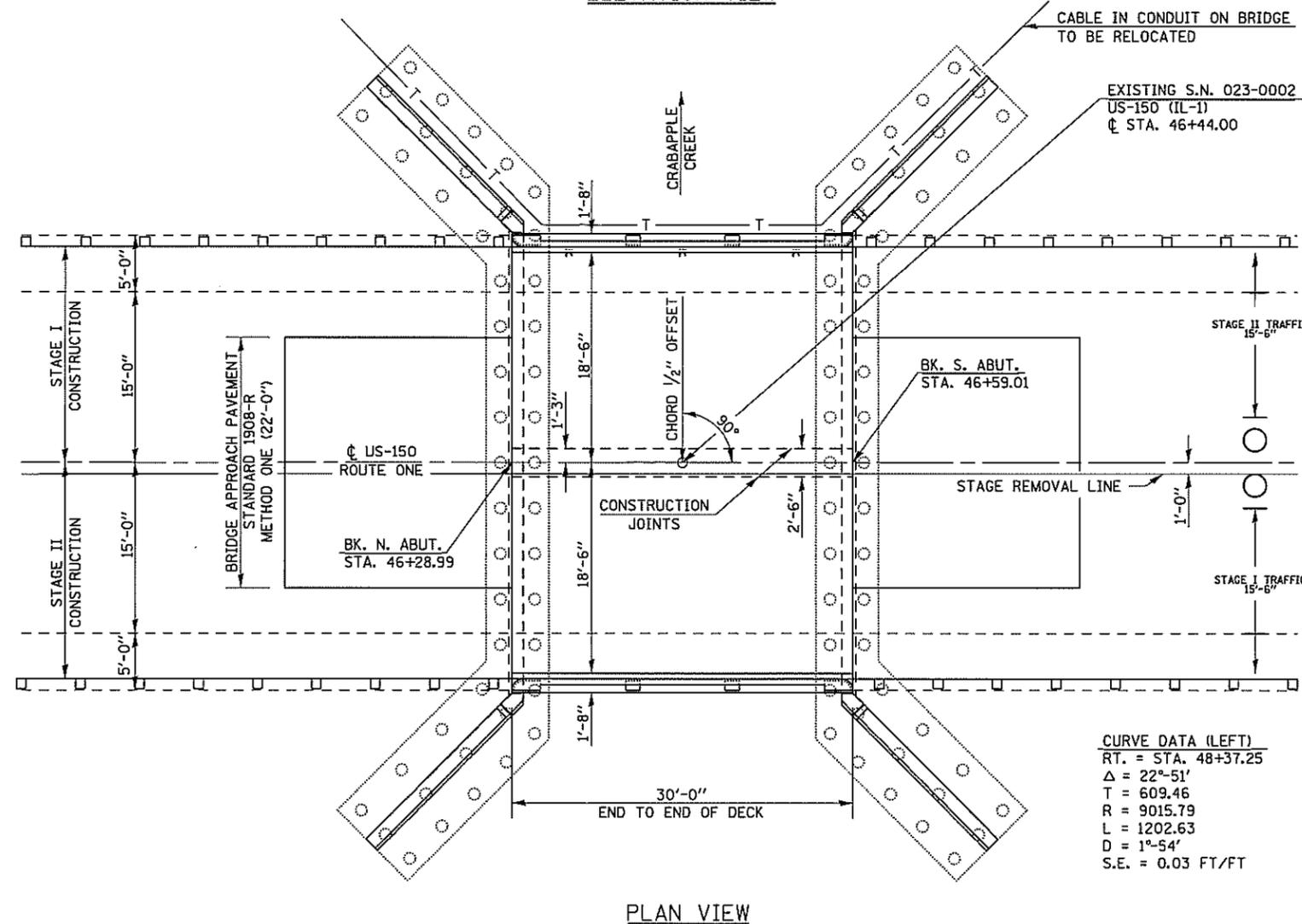
SCOPE OF WORK

1. REMOVAL OF THE EXISTING HMA SURFACE FROM BRIDGE DECK.
2. DECK SLAB REPAIR (PARTIAL).
3. PLACE FULL LANE SEALANT WATERPROOFING SYSTEM.
4. PLACE PROPOSED HMA SURFACE COURSE TO PROPOSED PROFILE GRADE.
5. REMOVE CONCRETE BRIDGE RAIL.
6. INSTALL STEEL RAILING.



TOTAL BILL OF MATERIALS

ITEM	UNITS	TOTAL
BITUMINOUS MATERIAL (TACK COAT)	POUND	54.0
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 FG, N50	TON	36.0
CONCRETE REMOVAL	CU YD	1.6
STEEL RAILING, TYPE 2399	FOOT	62.0
FULL LANE SEALANT WATERPROOFING SYSTEM	SQ YD	142.0
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	260.0
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO < 5 INCHES)	SQ FT	.73.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	9.0



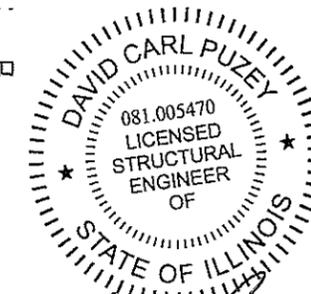
GENERAL NOTES

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 WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

SEE SPECIAL PROVISION "DECK SLAB REPAIR" FOR ADDITIONAL REQUIREMENTS PERTAINING TO DECK SLAB REPAIR AND H.M.A. SURFACE REMOVAL (DECK).

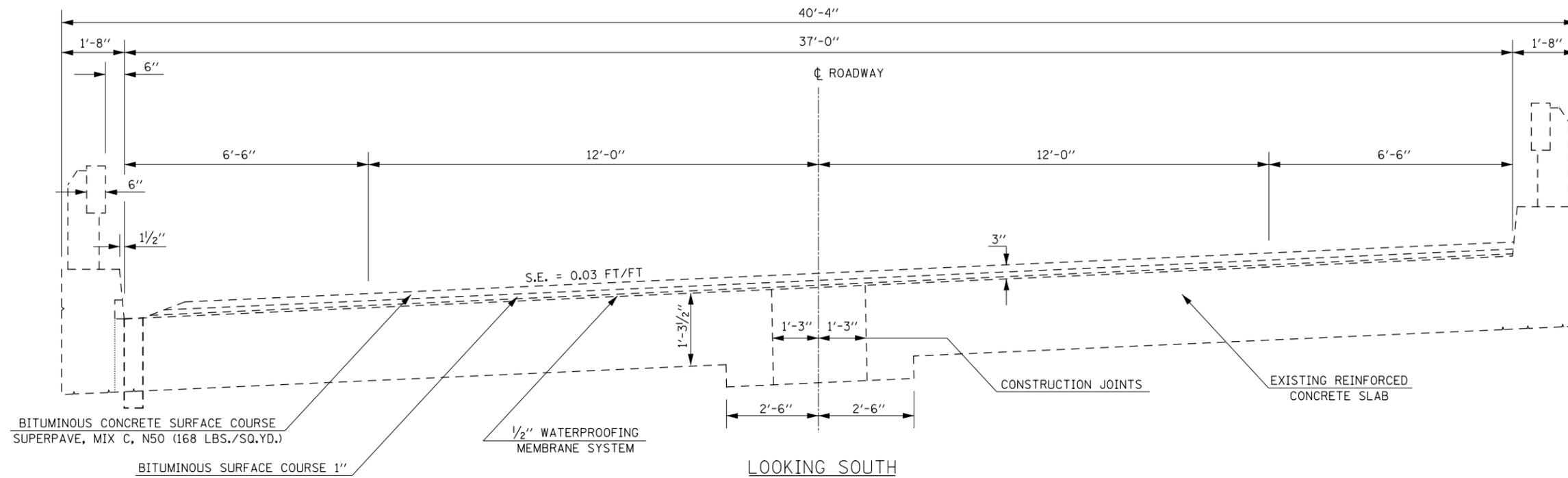
S.N. 023-0002 WAS DETERMINED, THROUGH TESTING, NOT TO INVOLVE ASBESTOS IN A BITUMINOUS BRIDGE DECK WEARING SURFACE OR WATERPROOFING MEMBRANE. AS CERTIFIED WITH BBS FORM 2536, JANUARY 3, 2003.

EXISTING NAME PLATE SHALL BE CLEANED AND RELOCATED PER HIGHWAY STANDARD 515001 AND ATTACHED PER ARTICLE 515.04(C). COST INCLUDED IN "STEEL RAILING, TYPE 2399"

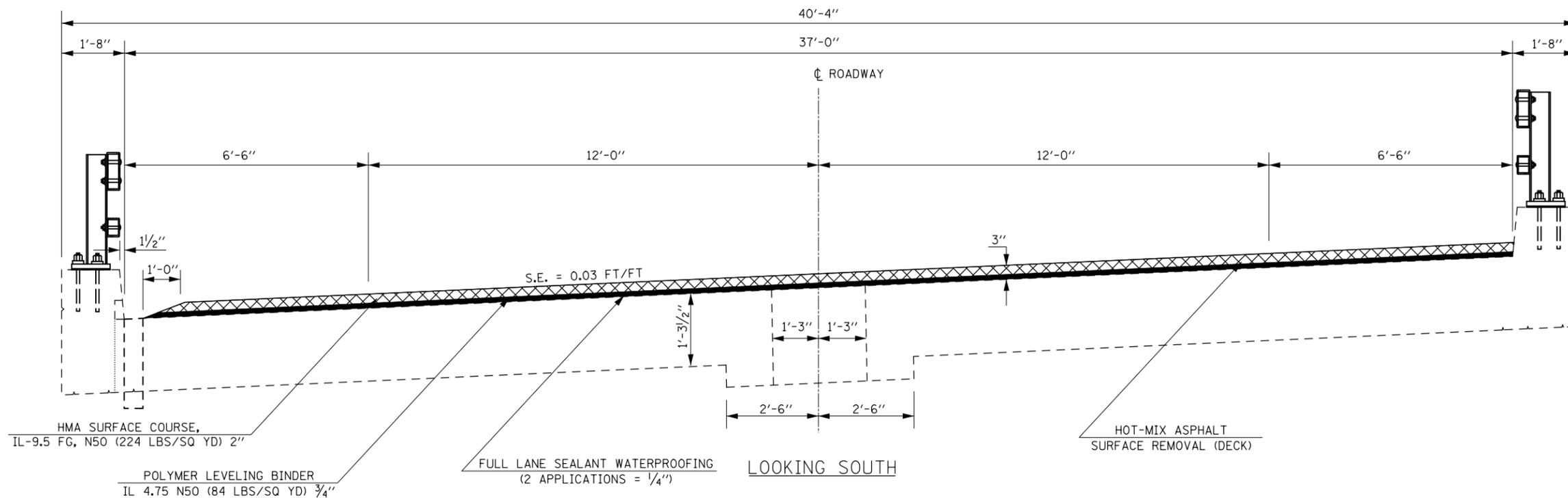


*David Carl Puzey 4/30/19
Expires 11/30/20*

EXISTING DECK CROSS SECTION S.N. 023-0002

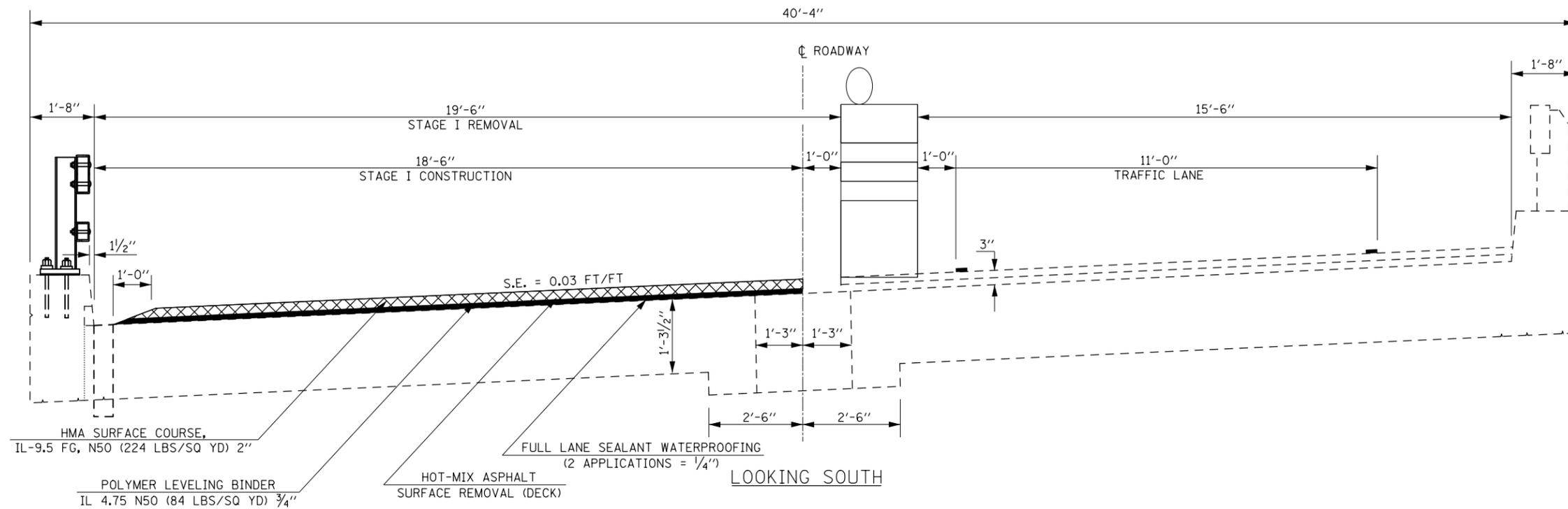


PROPOSED DECK CROSS SECTION S.N. 023-0002

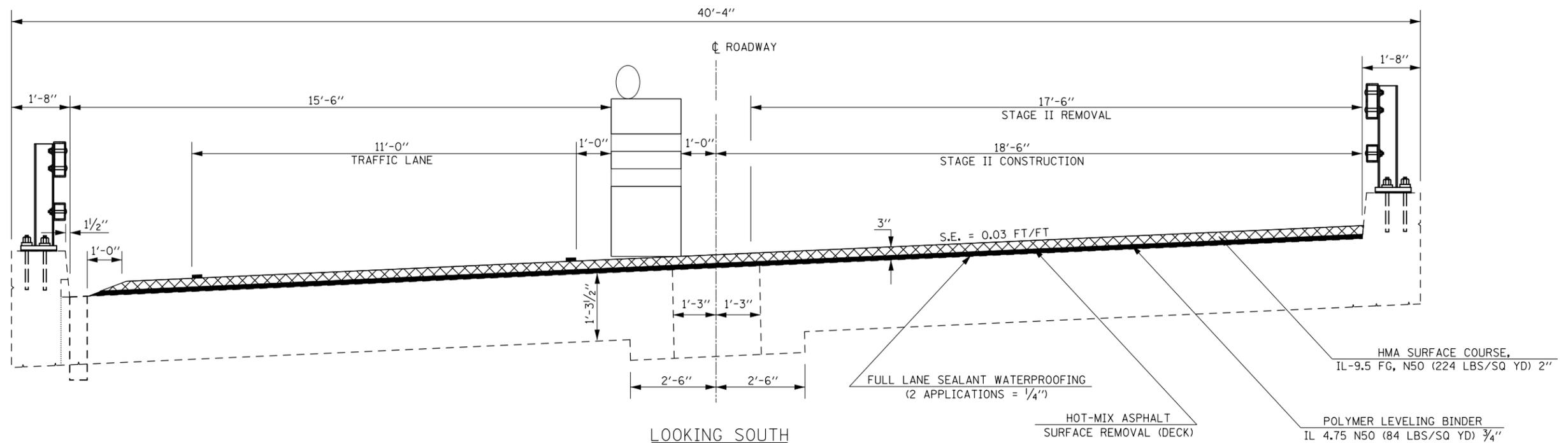


FILE NAME =	USER NAME = shawleres	DESIGNED - ESS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK CROSS SECTIONS S.N. 023-0002	F.A.P. RTE. 332	SECTION (A,B)BR-1	COUNTY EDGAR	TOTAL SHEETS 48	SHEET NO. 20		
MODELNAME#	PLT DATE = 2/21/2019	CHECKED -	REVISED -			SCALE:	SHEET 2 OF 14 SHEETS	STA.	TO STA.	CONTRACT NO. 70C02		
						ILLINOIS FED. AID PROJECT						

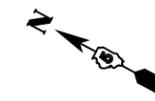
STAGE I CONSTRUCTION DETAIL S.N. 023-0002



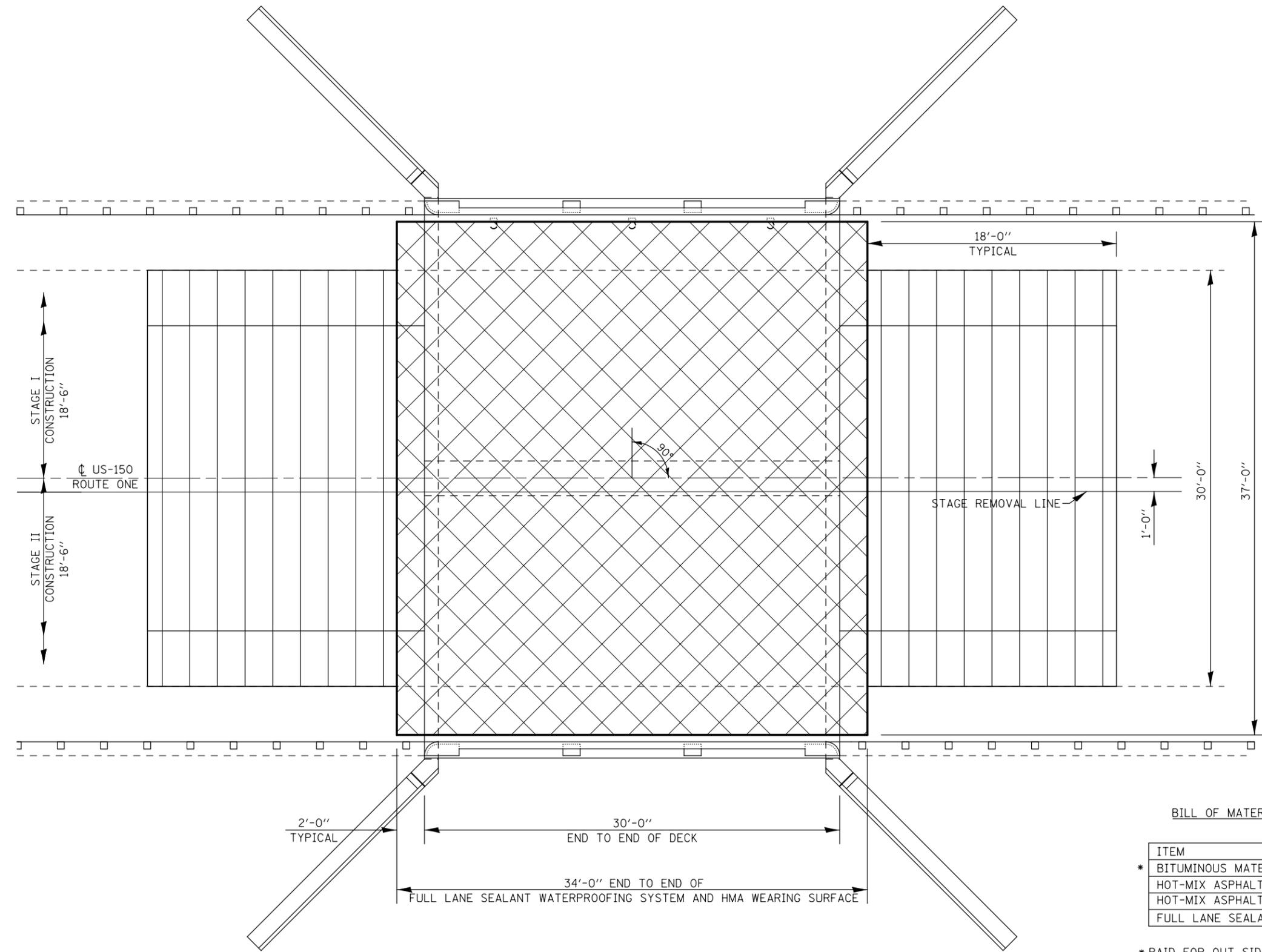
STAGE II CONSTRUCTION DETAIL S.N. 023-0002



FILE NAME =	USER NAME = showleres	DESIGNED - ESS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS S.N. 023-0002	F.A.P. RTE. 332	SECTION (A,B)BR-1	COUNTY EDGAR	TOTAL SHEETS 48	SHEET NO. 21
CONTRACT NO. 70C02	SCALE: SHEET 3 OF 14 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT							
PLANTING	PLANTING	PLANTING	PLANTING							
PLANTING	PLANTING	PLANTING	PLANTING							



NOTE: FULL LANE SEALANT WATERPROOFING SYSTEM (EXTEND W.M.S. 2'-0" PAST END OF SLAB LONGITUDINALLY & TRANSVERSELY TO FACE OF CURB)



-  H.M.A. SURFACE REMOVAL (DECK) & FULL LANE SEALANT WATERPROOFING SYSTEM & HOT-MIX ASPHALT SURFACE COURSE, IL 9.5 FG, N50 2"
-  H.M.A. SURFACE REMOVAL (DECK) BITUMINIOUS MATERIAL (TACK COAT) & HOT-MIX ASPHALT SURFACE COURSE, IL 9.5 FG, N50 3"

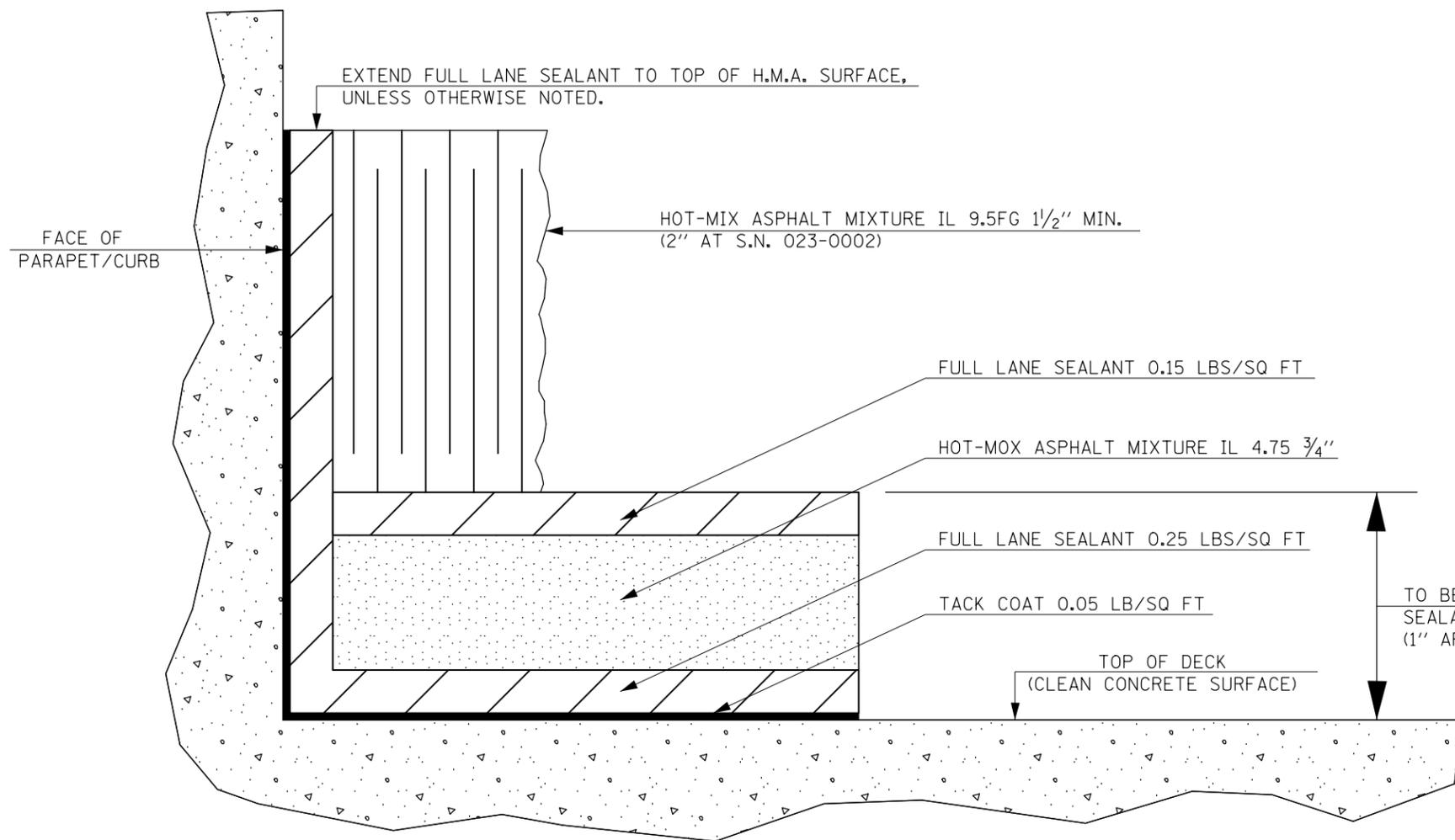
BILL OF MATERIALS

ITEM	UNITS	TOTAL
* BITUMINOUS MATERIAL (TACK COAT)	POUND	54.0
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	260.0
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 FG, N50	TON	36.0
FULL LANE SEALANT WATERPROOFING SYSTEM	SQ YD	142.0

* PAID FOR OUT SIDE FULL LANE SEALANT WATERPROOFING SYSTEM. COST INCLUDED INSIDE FULL LANE SEALANT WATERPROOFING SYSTEM.

PAVER ELECTRONIC GRADE CONTROL SHALL BE OPERATED FROM PRESET GRADE CONTROL STRINGLINE. SEE ARTICLE 406.06(e)

PLAN VIEW

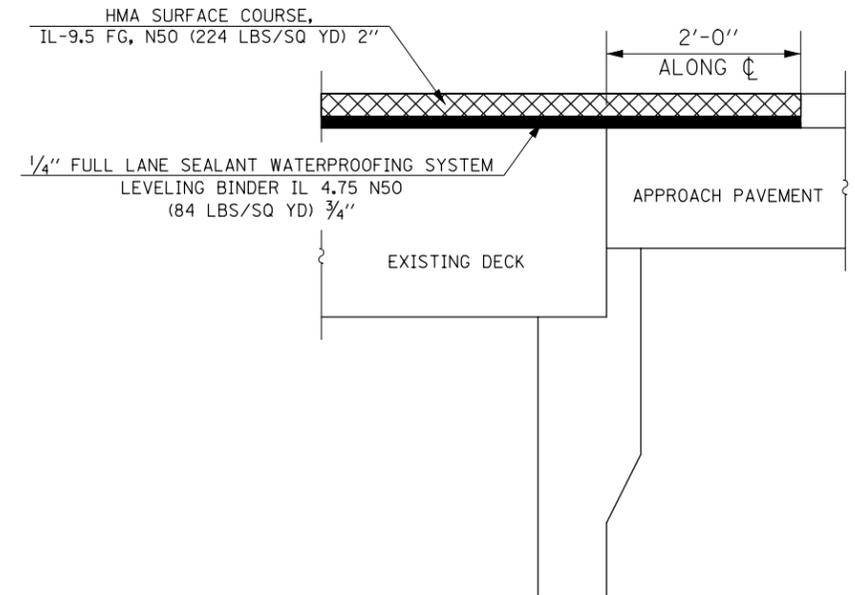


FULL LANE SEALANT WATERPROOFING SYSTEM

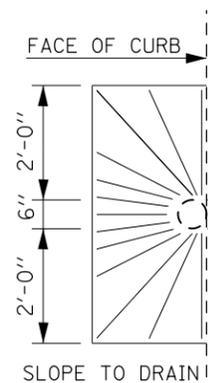
ESTIMATED QUANTITIES FOR FULL LANE SEALANT WATERPROOFING SYSTEM OF 142.0 SQ YD

ITEM	UNIT	TOTAL
TACK COAT	POUND	63.0
FULL LANE SEALANT	POUND	503.0
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL4.75 N50	TON	5.87

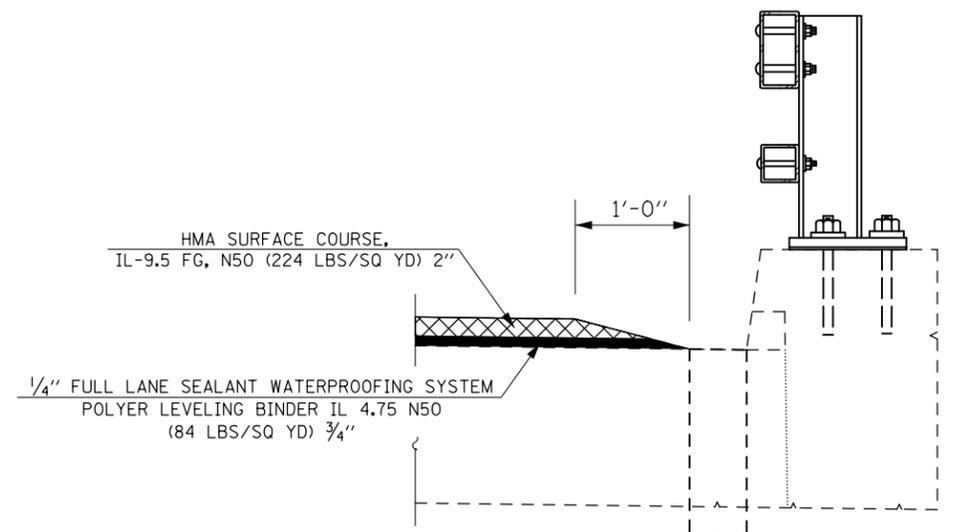
NOTE: THIS WORK WILL BE PAID AT THE CONTRACT UNIT PRICE FOR "FULL LANE SEALANT WATERPROOFING SYSTEM". SEE SPECIAL PROVISION FULL LANE SEALANT WATERPROOFING SYSTEM(CBM).



SECTION AT ABUTMENT
(VIEW OF SEALANT WATERPROOFING AT JOINT)



PLAN VIEW
AT CURB DRAIN



SECTION AT
CURB DRAIN

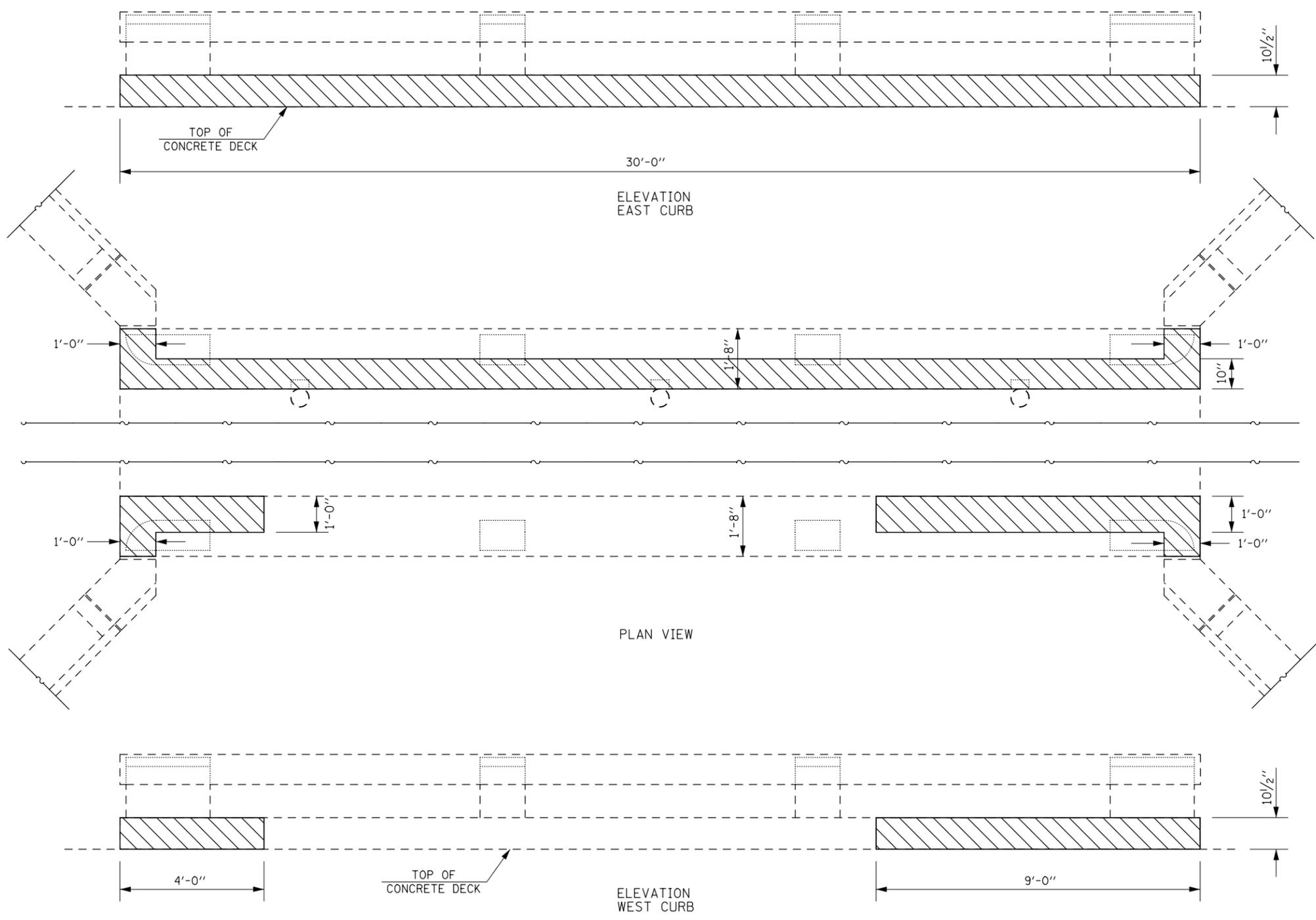
FILE NAME =	USER NAME = showleres	DESIGNED - ESS	REVISED -
pw:\IL084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 5\Projects\0579\Drawings\0579\057902.sht			
		CHECKED -	REVISED -
		DATE - 6-7-2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK WEARING SURFACE DETAILS
S.N. 023-0002

SCALE: SHEET 6 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 332	SECTION (A,B)BR-1	COUNTY EDGAR	TOTAL SHEETS 48	SHEET NO. 24
CONTRACT NO. 70C02			ILLINOIS FED. AID PROJECT	



LEGEND

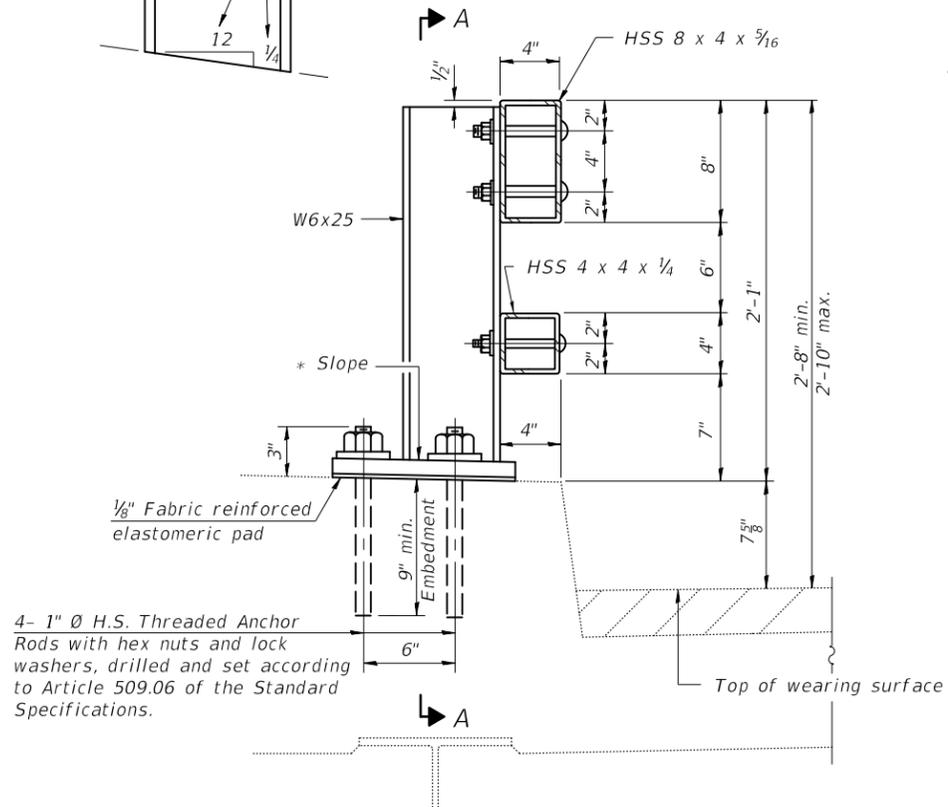
 STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5")

NOTE:
SEE SPECIAL PROVISION FOR STRUCTURAL REPAIR OF CONCRETE.

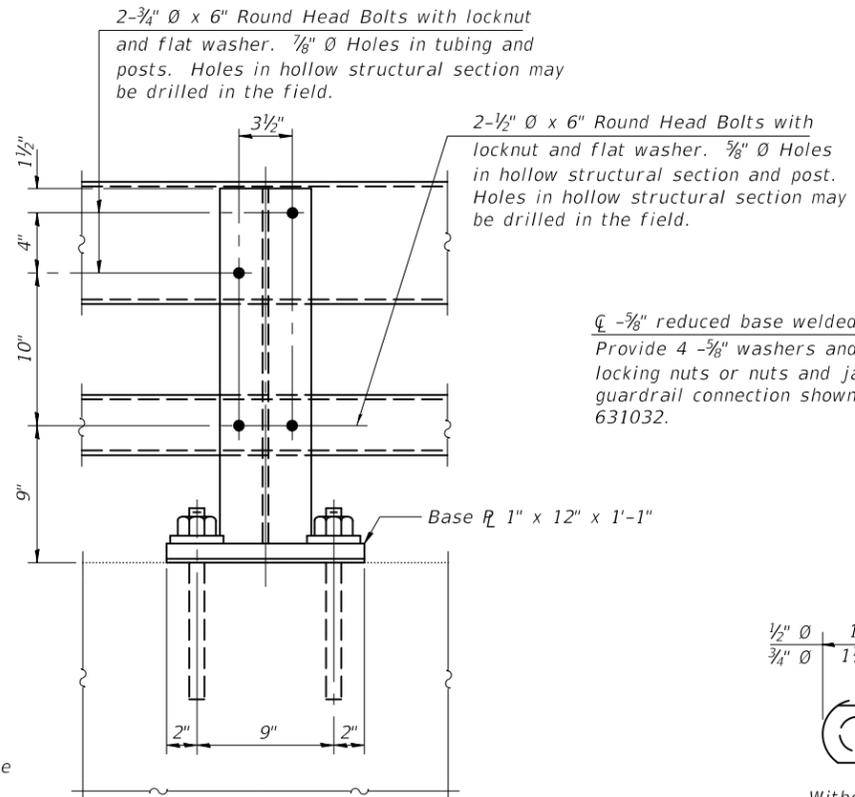
BILL OF MATERIALS

ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5")	SQ FT	41.0

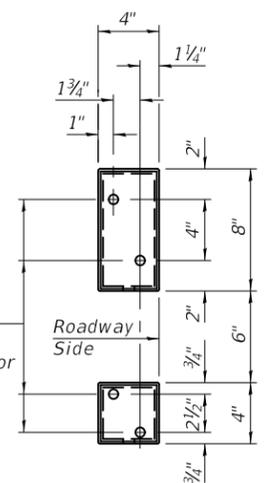
* Cut bottom end of post to curb slope.



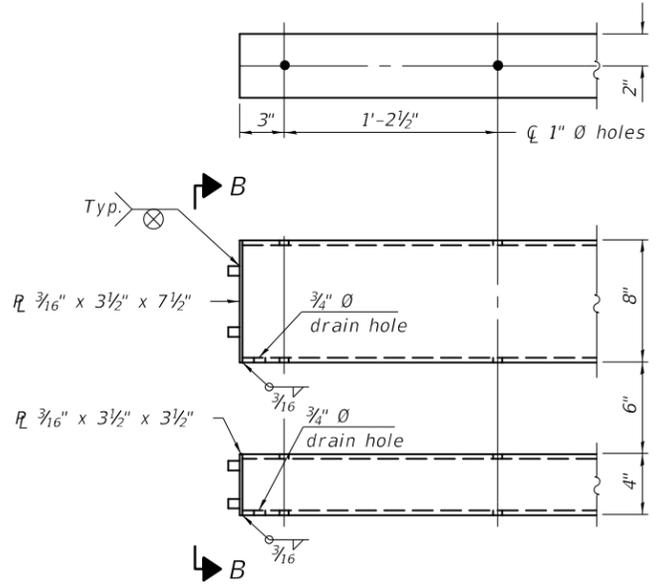
SECTION AT RAIL POST



SECTION A-A



VIEW B-B



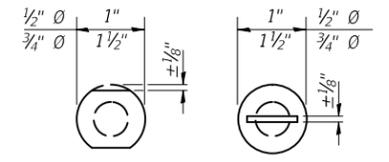
END OF RAIL DETAILS

4- 1" Ø H.S. Threaded Anchor Rods with hex nuts and lock washers, drilled and set according to Article 509.06 of the Standard Specifications.

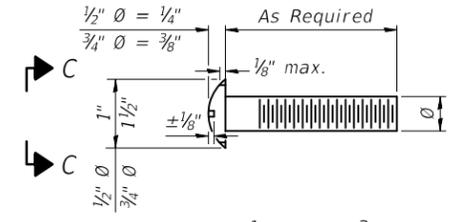
2- 3/4" Ø x 6" Round Head Bolts with locknut and flat washer. 7/8" Ø Holes in tubing and posts. Holes in hollow structural section may be drilled in the field.

2- 1/2" Ø x 6" Round Head Bolts with locknut and flat washer. 5/8" Ø Holes in hollow structural section and post. Holes in hollow structural section may be drilled in the field.

4- 3/8" reduced base welded studs. Provide 4 - 5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032.

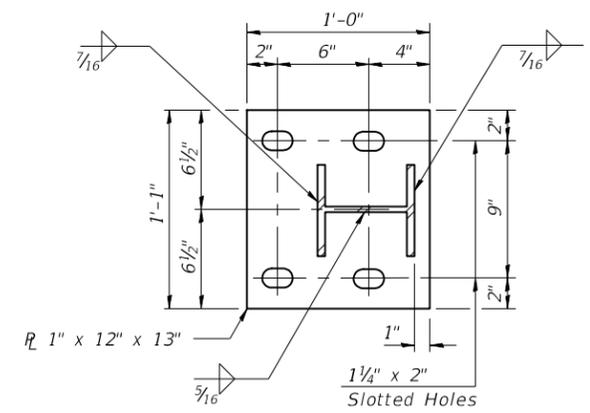


VIEW C-C

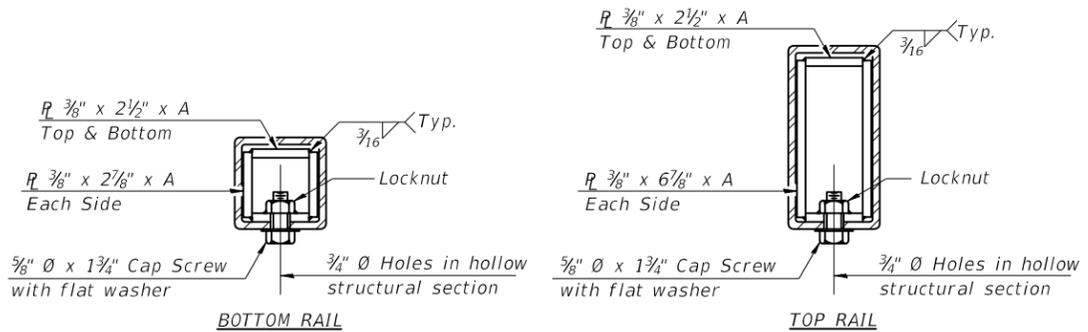


DETAIL OF 1/2" Ø & 3/4" Ø ROUND HEAD BOLTS

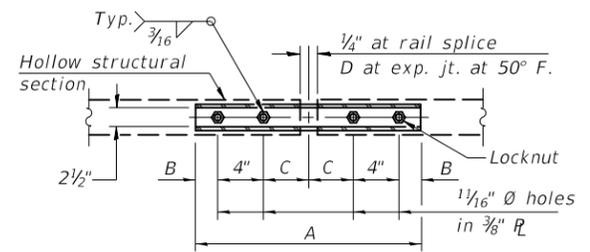
Notes:
 Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.
 Steel Bridge Rail expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened only to a point that will allow railing movement.
 Provide one 1/8" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



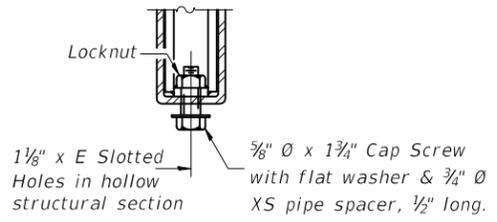
BASE PLATE DETAIL



SECTIONS AT RAIL SPLICE



PLAN-BOTT. SPLICE R TYPICAL



RAIL SPLICE CONNECTION AT EXPANSION JT.

SPLICE DIMENSIONS

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/2"	1'-8"	2"	4"	—

T = Total movement at expansion joint as shown on the design plans.

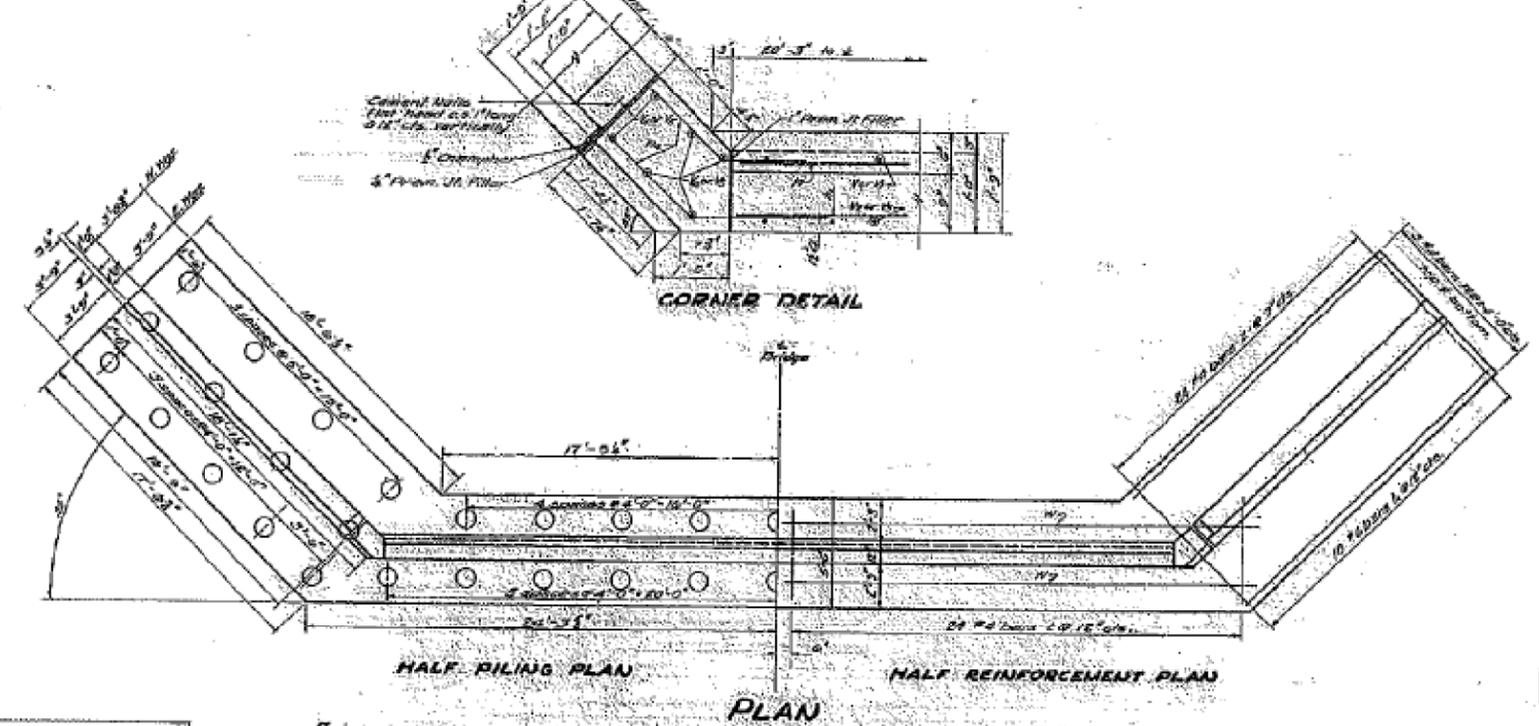
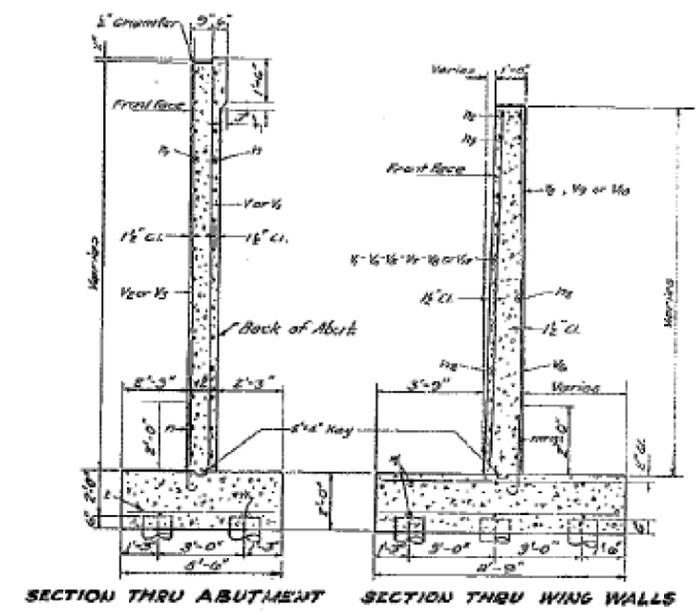
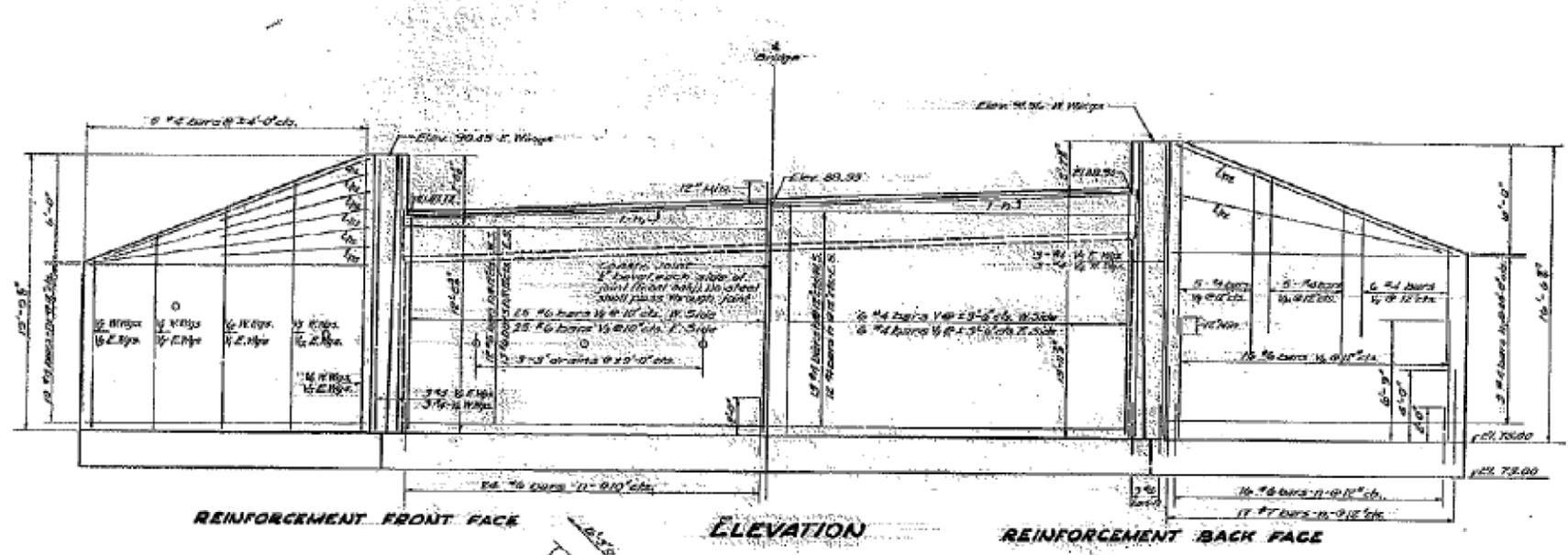
BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	62.0

AS-BUILT PLANS FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

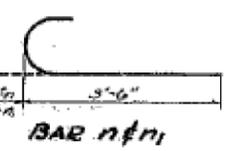
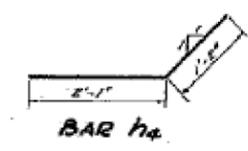
REVISION	DATE	BY	NO.	DATE	SHEET NO.
1	11/15/11	ELKOR	18	13	3
<small>FOR REVISIONS SEE SHEET 18 OF THIS PROJECT</small>					<small>3 OF 3 SHEETS</small>



PILES
Untreated Timber
Capacity - 11 tons
Est. Length - 10 ft.
No. Reg'd - 9
Test Piles - 7

**BILL OF MATERIALS
TWO ABUTMENTS**

BAR	NO.	SIZE	LENGTH	SHAPE
V	12	4	13'-0"	
W	18	4	12'-6"	
X	30	6	12'-11"	
Y	30	6	12'-3"	
Z	18	4	10'-5"	
AA	10	4	15'-0"	
AB	24	6	6'-3"	
AC	4	4	10'-9"	
AD	2	4	9'-6"	
AE	20	4	10'-6"	
AF	20	4	8'-9"	
AG	24	4	6'-5"	
AH	4	4	13'-0"	
AI	24	4	20'-0"	
AJ	24	4	20'-0"	
AK	24	4	16'-8"	
AL	18	4	9'-0"	
AM	188	4	3'-5"	
AN	170	4	4'-8"	
AO	66	7	4'-8"	
AP	26	4	5'-0"	
AQ	72	6	8'-3"	
AR	26	4	8'-3"	
AS	8	4	25'-0"	
AT	24	4	17'-9"	
Gravel Concrete				cu. yds. 168.5
Reinforcement Bars				lbs. 16,870
Untreated Piles				sq. ft. 310
Test Piles				no. 7



DESIGNED: *Harold P. Whittle*
 CHECKED: *Richard S. Higgins*
 DRAWN: *Bob J. K. ...*
 EXAMINED: *W. E. Hanson*
 APPROVED: *[Signature]*

**SUBSTRUCTURE
CRAB APPLE CREEK
S.B.I. RT. 1 SEG. A-BB
EDGAR COUNTY
STA. 46+44**

STRUCTURE 023-0003 WAS ORIGINALLY BUILT IN 1954 AS SECTION (A,B)BR CONTRACT N/A AT STATION 274+75 BY THE STATE OF ILLINOIS IN EDGAR COUNTY. THE STRUCTURE IS A SINGLE SPAN REINFORCED CONCRETE TEE BEAM STRUCTURE RESTING ON CLOSED ABUTMENTS WITH SPREAD FOOTINGS. THE STRUCTURE HAS A BACK TO BACK ABUTMENT LENGTH OF 48'-4" AND IS NOT SKEWED. THE OUT TO OUT WIDTH IS 44'-2" WITH A ROADWAY WIDTH OF 37'-0" AND A 5'-0" SIDEWALK. THE PARAPET IS CONCRETE CURB WITH A STEEL HAND RAIL. THE REINFORCED CONCRETE DECK IS 7" WITH A 1/2" PREFORMED JOINT AT THE CENTER. IN 1983 THE STRUCTURE WAS MAINTAINED UNDER SECTION 47RS-7 & (A,B)RS-2 CONTRACT 36586. THE GUARDRAIL WAS UPDATED AND STEEL BRIDGE RAIL WAS REPLACED ON THE STRUCTURE SEPARATING PEDESTRIANS AND TRAFFIC. COMBINATION CURB AND GUTTER WAS PLACED TO MEET BRIDGE CURB AT ALL FOUR CORNERS OF THE STRUCTURE. IN 2001 THE STRUCTURE WAS MAINTAINED UNDER SECTION 47RS-12 & 47(A,B)RS-3 CONTRACT 90714. THE 2" WATERPROOFING MEMBRANE SYSTEM AND BITUMINOUS WEARING SURFACE WAS REMOVED AND REPLACED ON THE DECK.

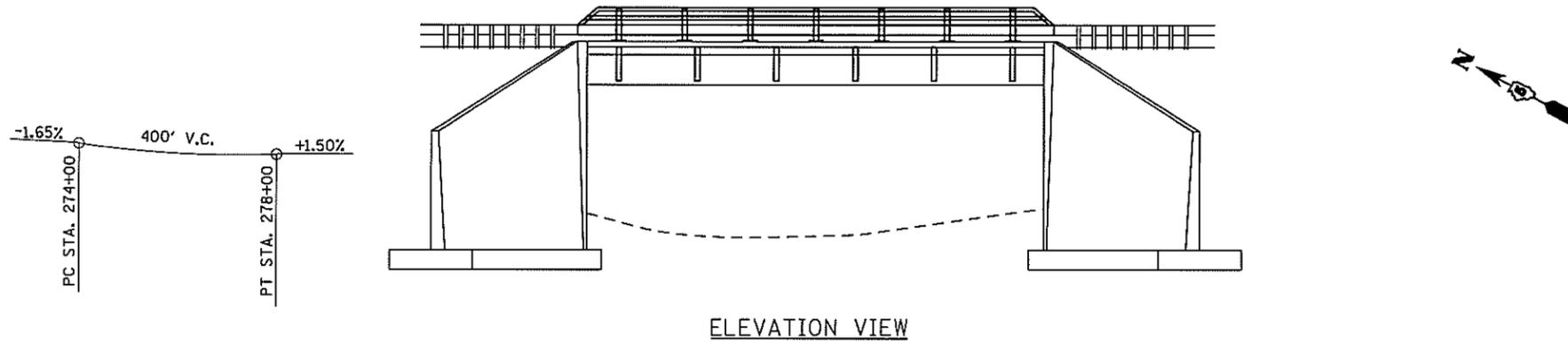
METHOD OF CONSTRUCTION IS STAGE CONSTRUCTION.

SCOPE OF WORK

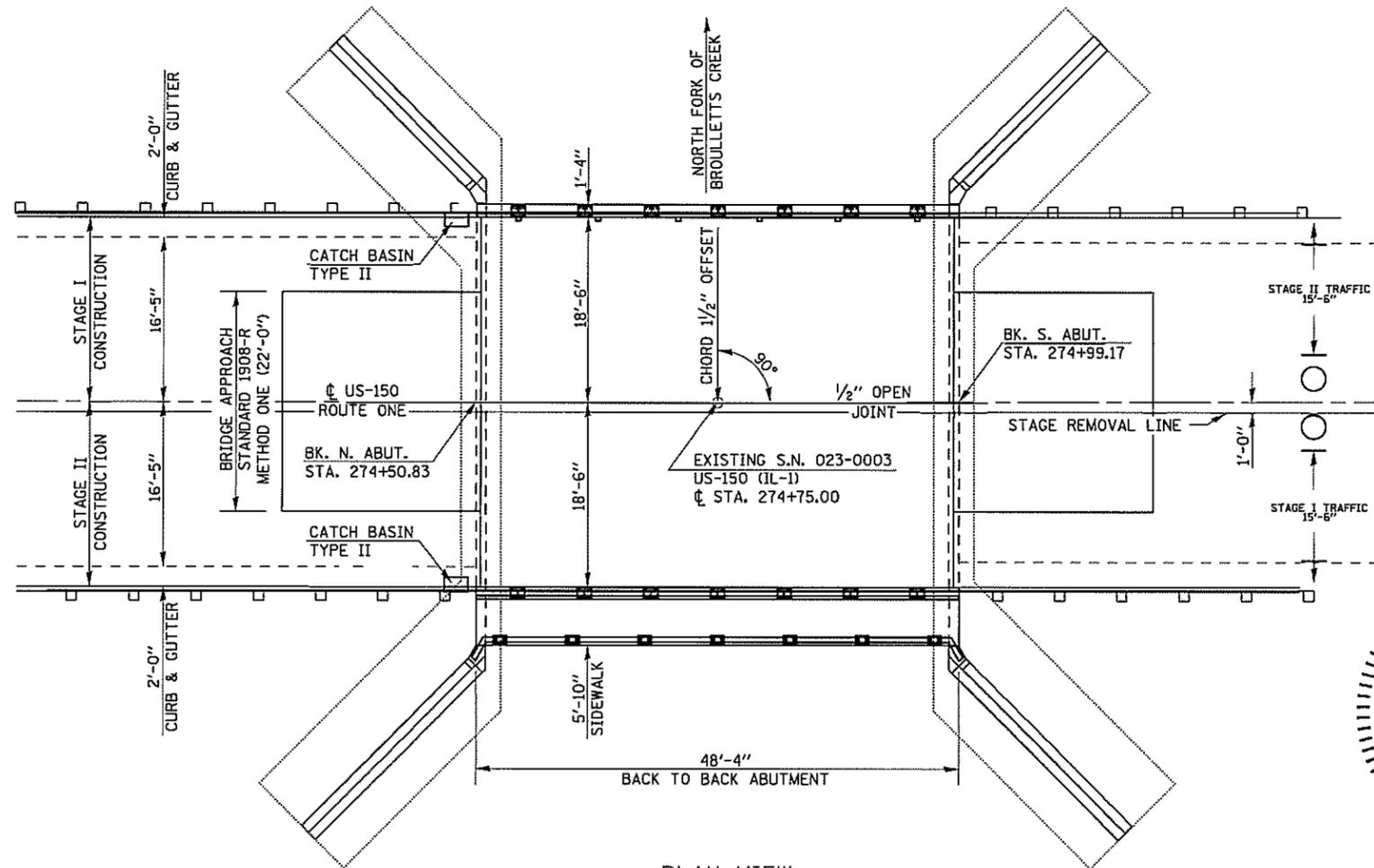
1. REMOVAL OF THE EXISTING HMA SURFACE FROM BRIDGE DECK.
2. DECK SLAB REPAIR (PARTIAL).
3. PLACE FULL LANE SEALANT WATERPROOFING SYSTEM.
4. PLACE PROPOSED HMA SURFACE COURSE TO PROPOSED PROFILE GRADE.

TOTAL BILL OF MATERIALS

ITEM	UNITS	TOTAL
BITUMINOUS MATERIAL (TACK COAT)	POUND	66.0
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 FG, N50	TON	38.0
FULL LANE SEALANT WATERPROOFING SYSTEM	SQ YD	209.0
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	351.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	16.0



ELEVATION VIEW



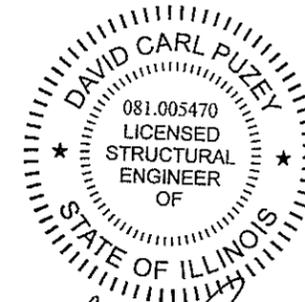
PLAN VIEW

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 WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

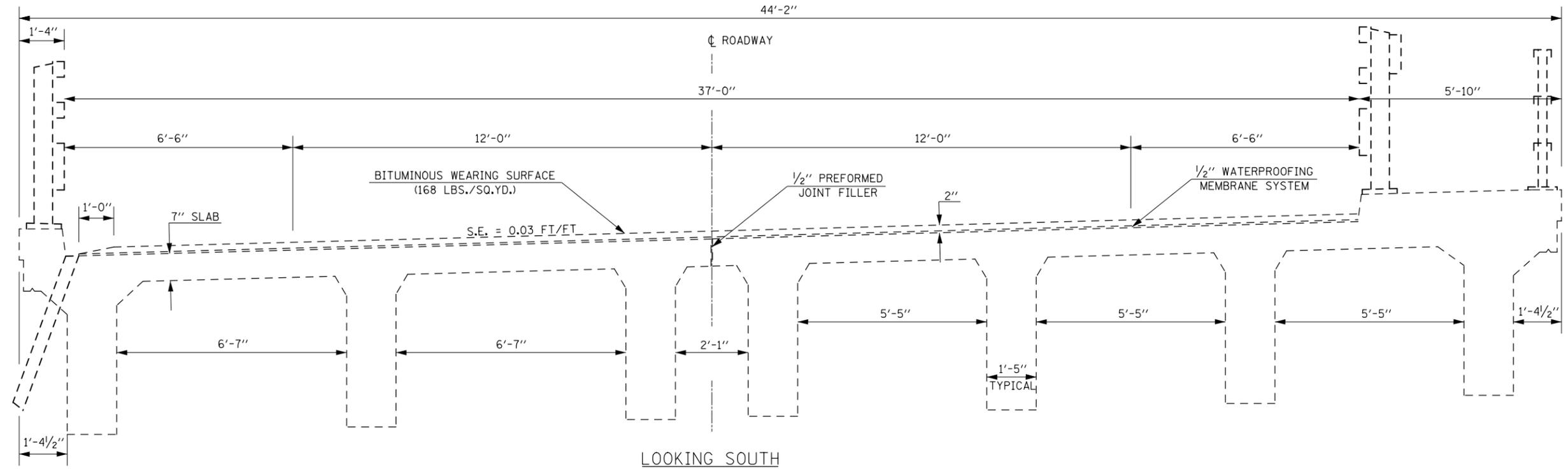
SEE SPECIAL PROVISION "DECK SLAB REPAIR" FOR ADDITIONAL REQUIREMENTS PERTAINING TO DECK SLAB REPAIR AND H.M.A. SURFACE REMOVAL (DECK).

S.N. 023-0003 WAS DETERMINED, THROUGH TESTING, NOT TO INVOLVE ASBESTOS IN A BITUMINOUS BRIDGE DECK WEARING SURFACE OR WATERPROOFING MEMBRANE. AS CERTIFIED WITH BBS FORM 2536, JANUARY 3, 2003.

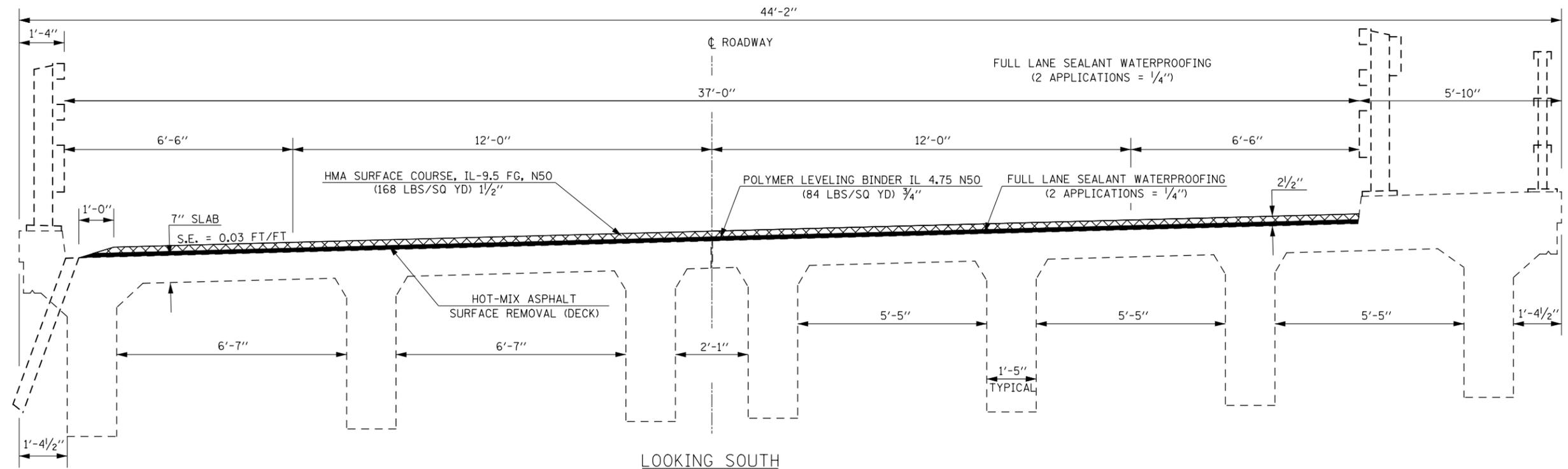


David Carl Puzey 4/30/19
Expires 11/30/20

EXISTING DECK CROSS SECTION S.N. 023-0003

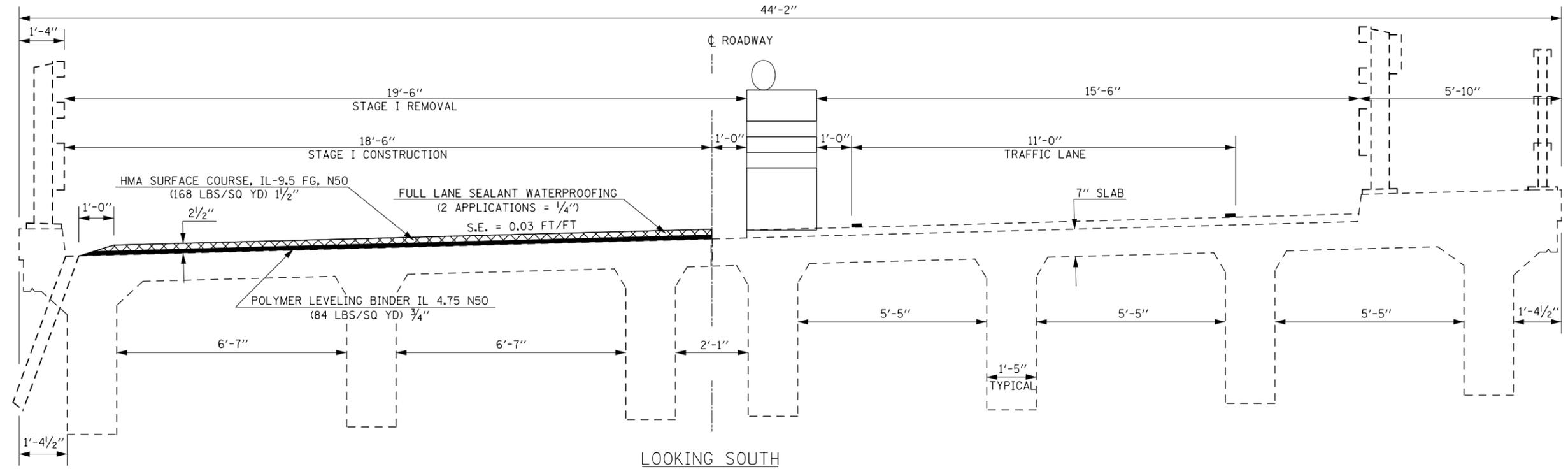


PROPOSED DECK CROSS SECTION S.N. 023-0003

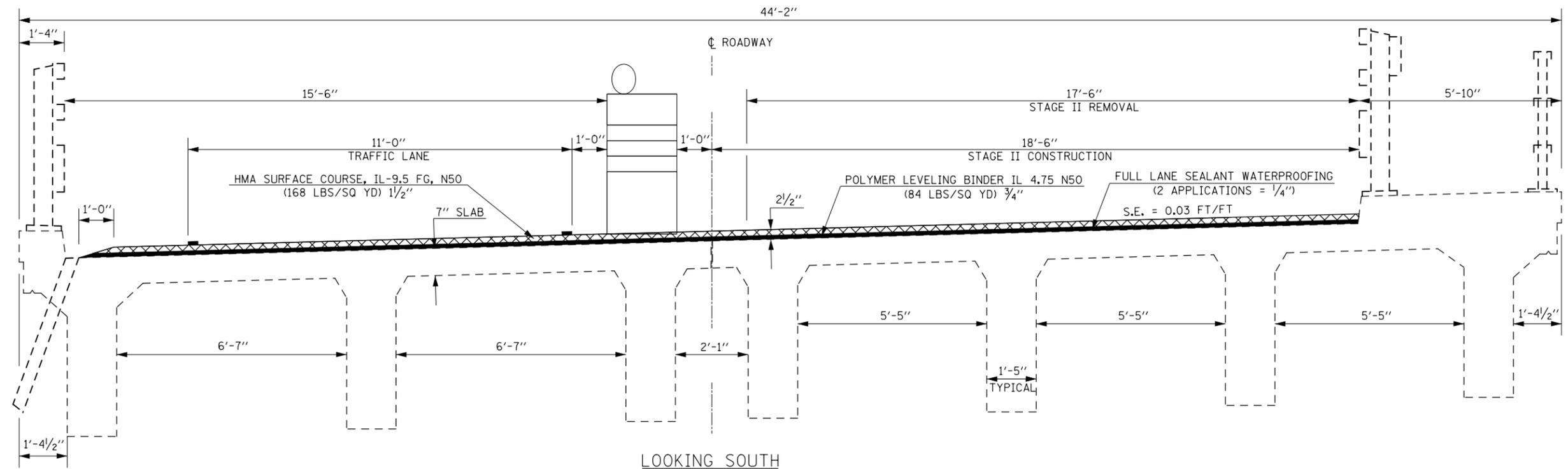


FILE NAME =	USER NAME = showleres	DESIGNED - ESS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK CROSS SECTIONS S.N. 023-0003	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN BY =						332	(A,B)BR-1	EDGAR	48	34
PLOT SCALE = 40.0000' / in.						CONTRACT NO. 70C02				
PLOT DATE = 2/21/2019		DATE = 6-30-2016	REVISED -	SCALE: SHEET 2 OF 12 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT				

STAGE I CONSTRUCTION DETAIL S.N. 023-0003

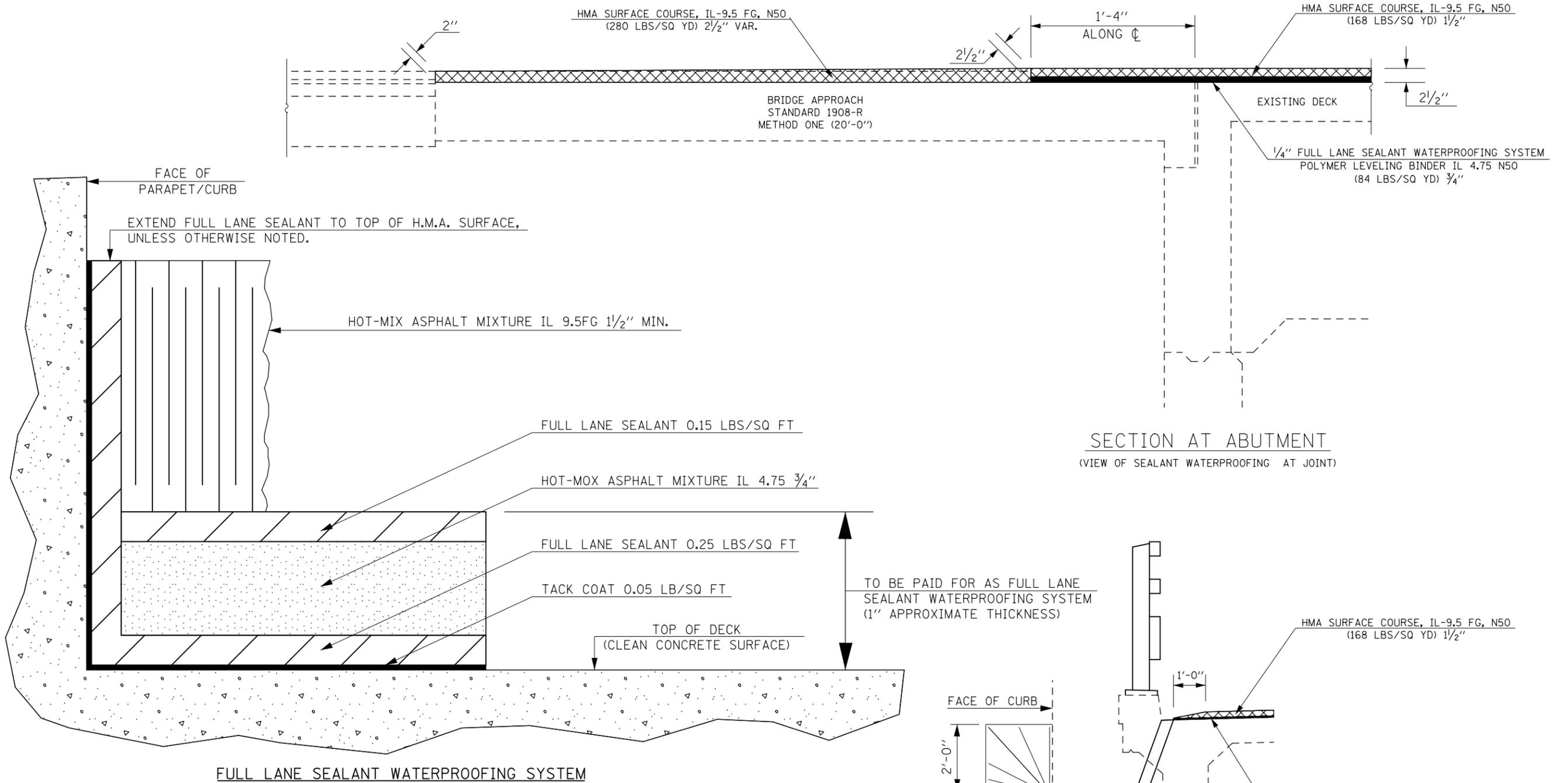


STAGE II CONSTRUCTION DETAIL S.N. 023-0003

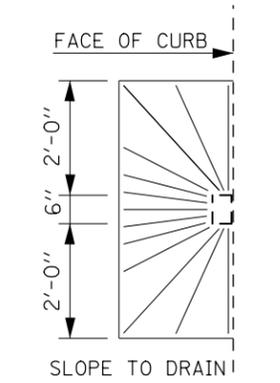


FILE NAME =	USER NAME = showleres	DESIGNED - ESS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS S.N. 023-0003			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBID\INTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0579\Drawings\0579\05790202.sht,bridge					DRAWN -	REVISED -	REVISED -	332	(A,B)BR-1	EDGAR	48	35
PLOT SCALE = 40.0000' / in.					CHECKED -	REVISED -	REVISED -	CONTRACT NO. 70C02				
PLOT DATE = 2/21/2019					DATE - 7-7-2016	REVISED -	REVISED -	ILLINOIS FED. AID PROJECT				

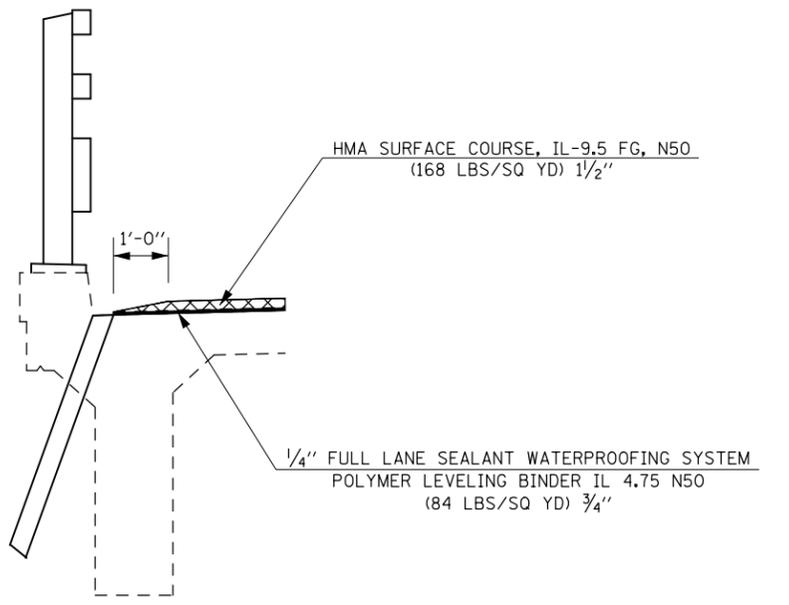
SCALE: SHEET 3 OF 12 SHEETS STA. TO STA.



SECTION AT ABUTMENT
(VIEW OF SEALANT WATERPROOFING AT JOINT)



PLAN VIEW
AT CURB DRAIN



SECTION AT
CURB DRAIN

ESTIMATED QUANTITIES FOR FULL LANE SEALANT WATERPROOFING SYSTEM OF 209.0 SQ YD

ITEM	UNIT	TOTAL
TACK COAT	POUND	92.5
FULL LANE SEALANT	POUND	740.0
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL 4.75 N50	TON	8.63

NOTE: THIS WORK WILL BE PAID AT THE CONTRACT UNIT PRICE FOR "FULL LANE SEALANT WATERPROOFING SYSTEM". SEE SPECIAL PROVISION FULL LANE SEALANT WATERPROOFING SYSTEM(CBM).

AS-BUILT PLANS FOR INFORMATION ONLY

023-0001 023-0002 023-0003

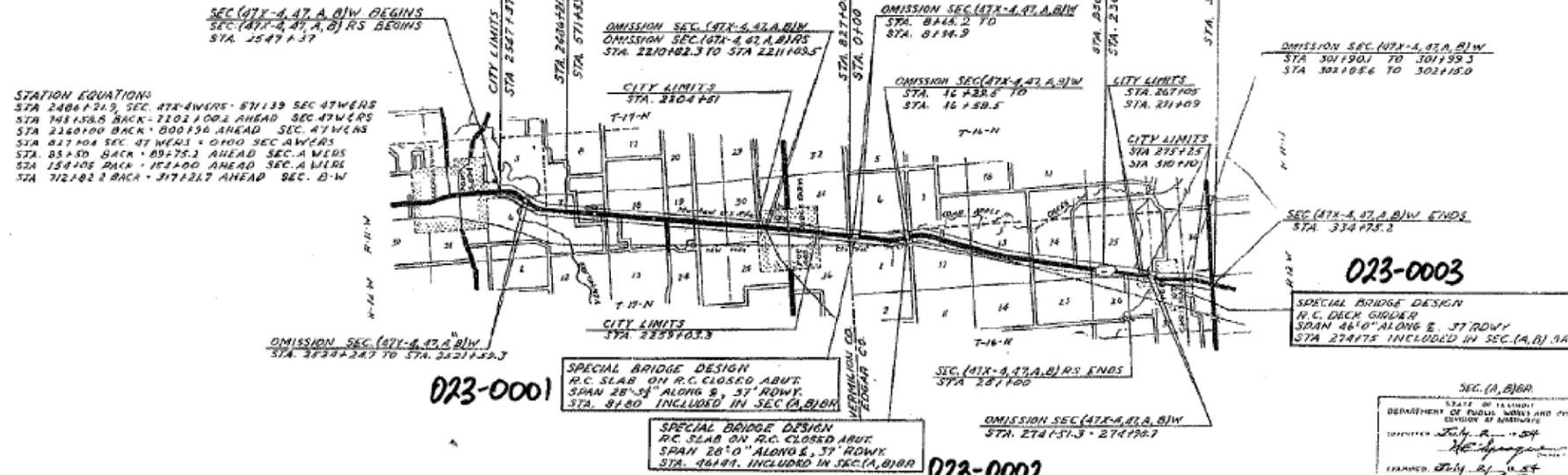
*Design Plans 5-2
As-Built per - No Changes Found*

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS AND BUILDINGS DIVISION OF HIGHWAYS PLANS FOR PROPOSED STATE BOND ISSUE HIGHWAY

1	11.29.02	Edgar	19
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SCALES
PLAN 1" = 100 FT AND 1" = 50 FT
PROFILE 1" = 10 FT AND 1" = 20 FT
VERTICAL CURVE 1" = 10 FT
SECTION 1" = 10 FT

S.B.I. RT. 1, SEC. (A,B) BR, EDGAR CO.



STATION EQUATIONS
 STA 2406+24.0, SEC. 47X-4WERS - 571.39 SEC 47WERS
 STA 2415.80 BACK - 2102.1002 AHEAD SEC. 47WERS
 STA 2260+00 BACK - 000.136 AHEAD SEC. 47WERS
 STA 817+00 SEC. 47 WERS - 0+000 SEC. 47WERS
 STA 854.50 BACK - 09+25.2 AHEAD SEC. A WERS
 STA 154+00 BACK - 15+100 AHEAD SEC. A WERS
 STA 212+00 BACK - 317+26.7 AHEAD SEC. B-W

LAYOUT
 TOTAL LENGTH OF SEC.(47X-4,47A,B)W = 64,758.2 FT = 12.265 MILES
 NET LENGTH OF SEC.(47X-4,47A,B)W = 64,340.9 FT = 12.186 MILES
 TOTAL LENGTH OF SEC.(47X-4,47A,B)RS = 56,822.5 FT = 10.762 MILES
 NET LENGTH OF SEC.(47X-4,47A,B)RS = 56,795.3 FT = 10.757 MILES

SCALE - 1 INCH = APPROX. 1 MILE

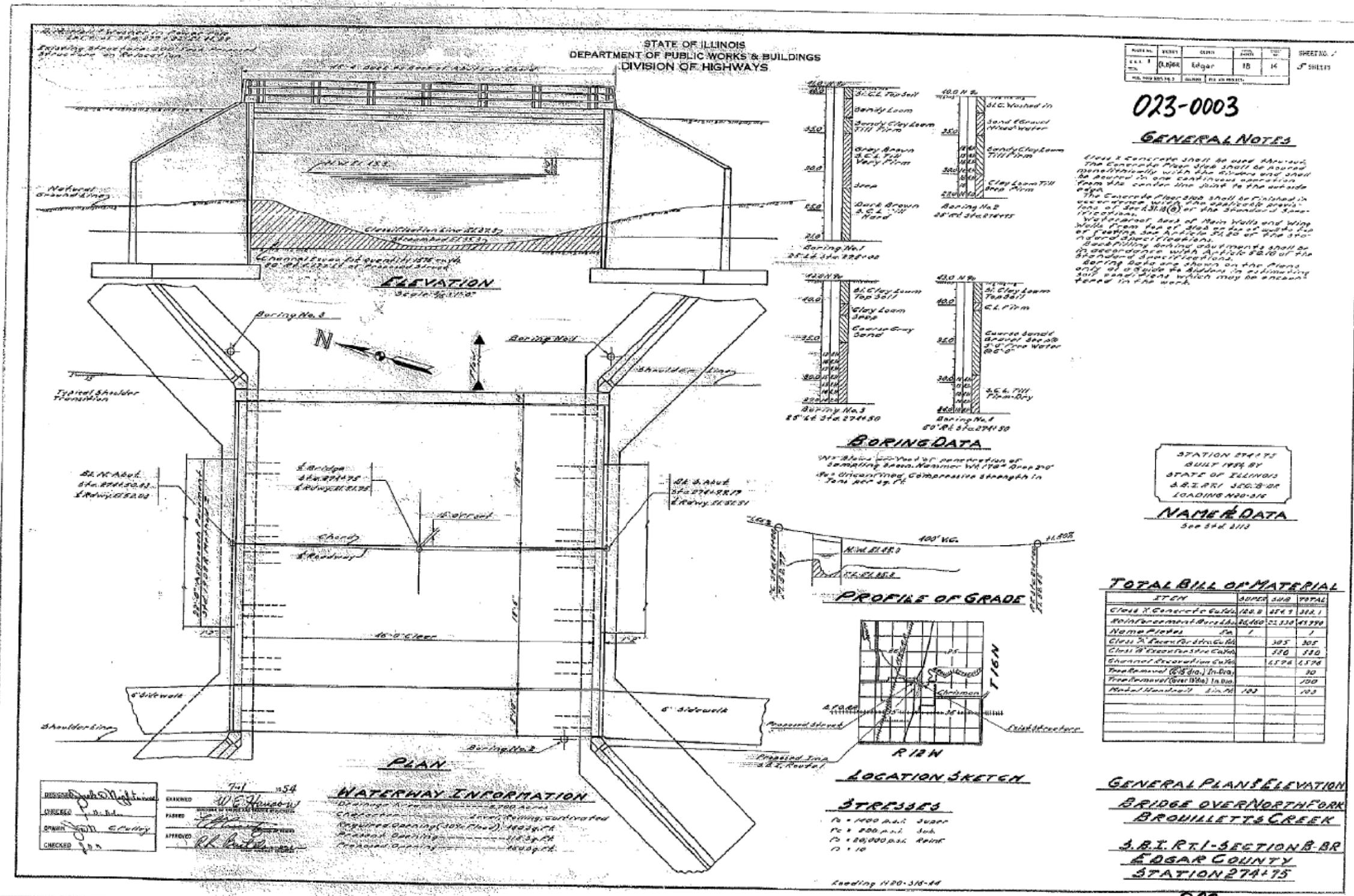
023-0003
 SPECIAL BRIDGE DESIGN
 H.C. DECK GIRDER
 SPAN 46'-0" ALONG E. 37' ROWY
 STA 274+75.3 INCLUDED IN SEC.(A,B) BR

SEC. (A, B) BR.
 STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS
 EXAMINED July 2, 1954
 PASSED July 2, 1954
 APPROVED July 2, 1954
 JUL 2 1954

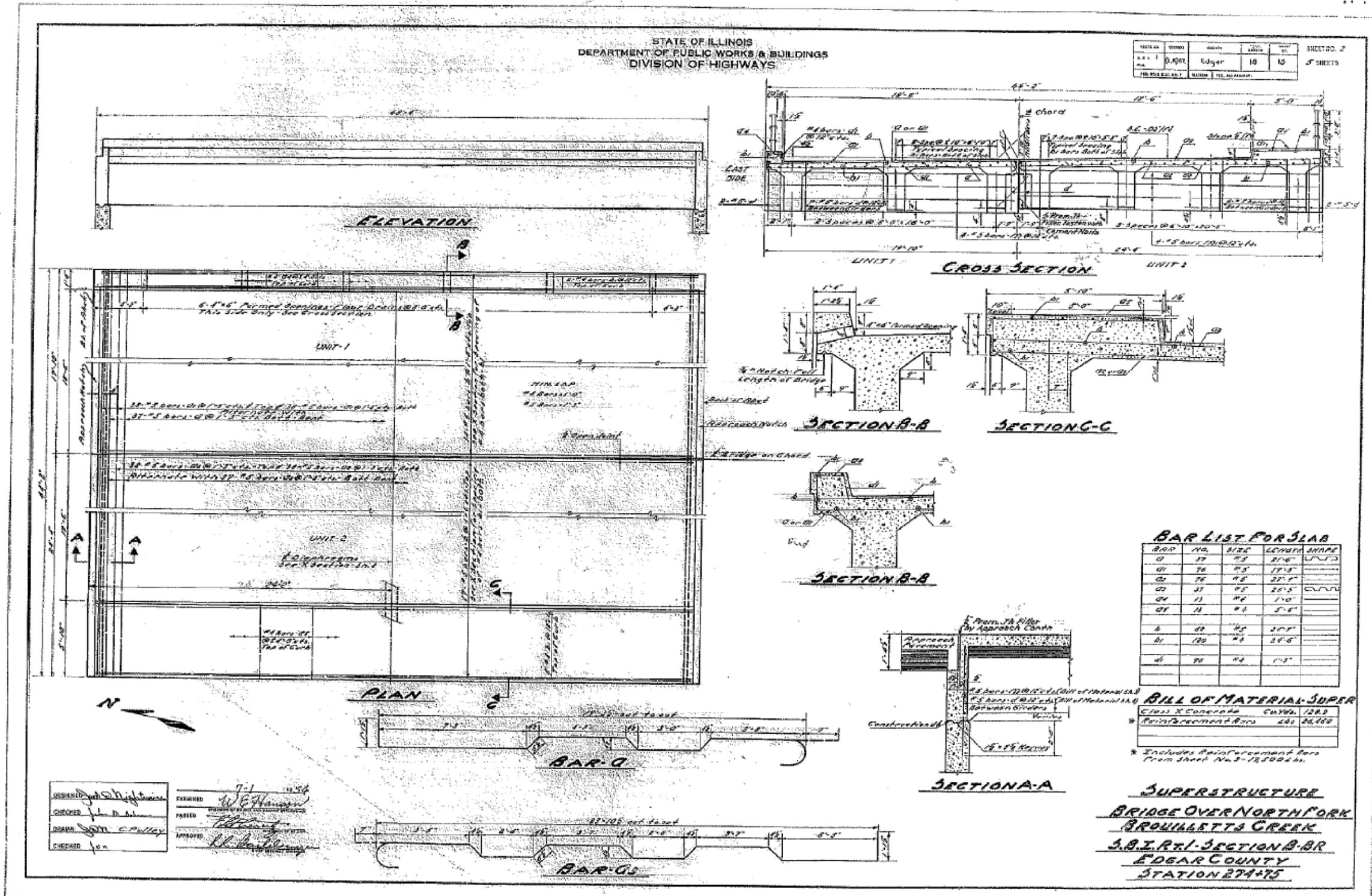
DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS
 RECOMMENDED FOR APPROVAL
 DISTRICT ENGINEER
 APPROVED
 DIVISION ENGINEER

023-0001, 0002, 0003

AS-BUILT PLANS FOR INFORMATION ONLY



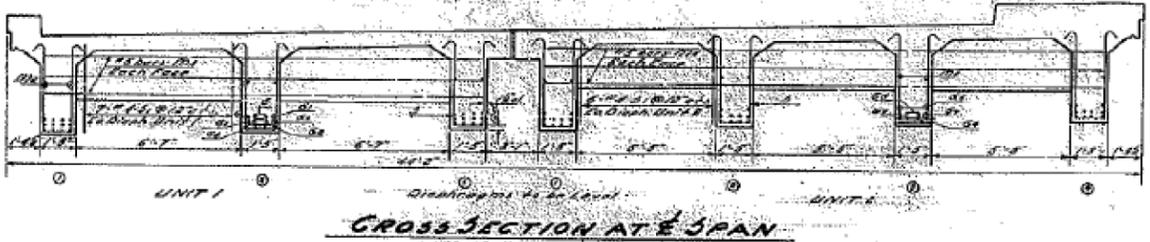
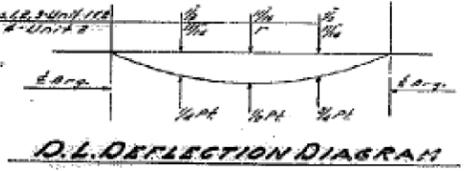
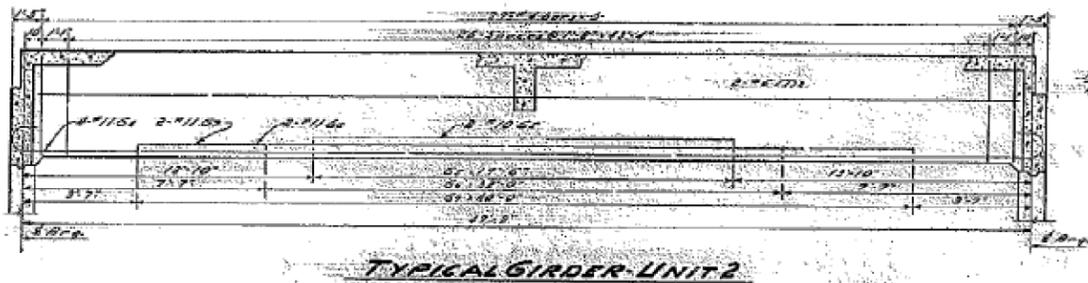
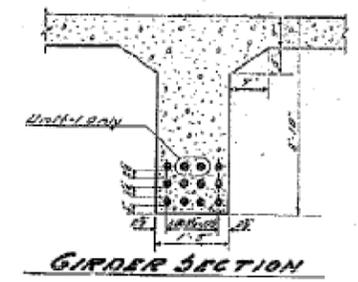
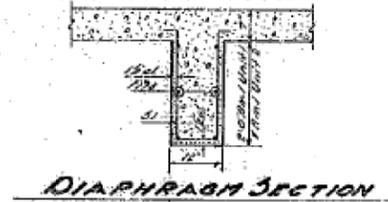
AS-BUILT PLANS FOR INFORMATION ONLY



AS-BUILT PLANS FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

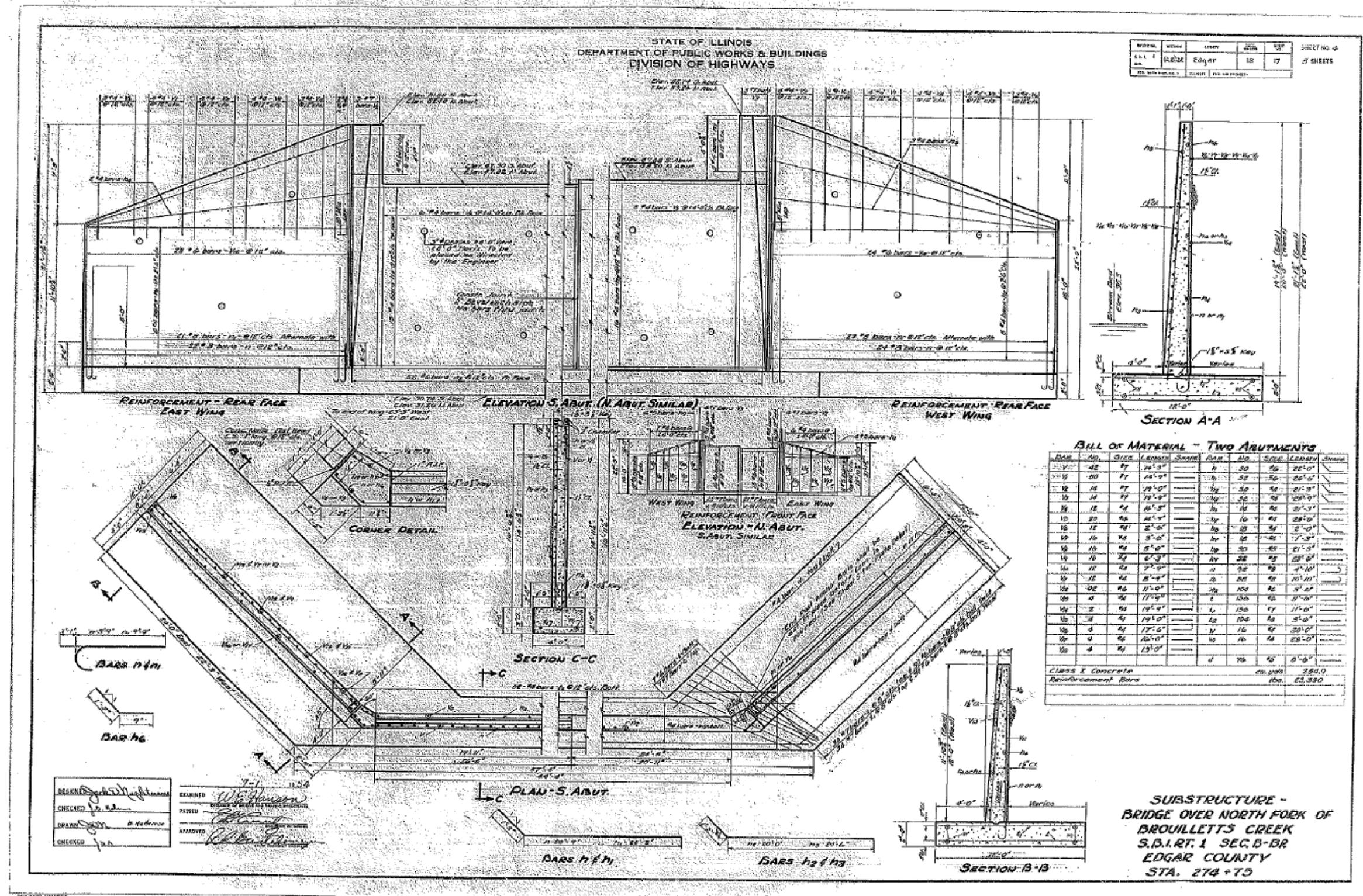
SHEET NO. 7	NO. 10				
SHEETS					



BAR LIST - GIRDERS & DIAPHRAGM

BAR	NO.	SIZE	LENGTH IN FT.
01	6	#9	19'-0"
02	6	#7	23'-6"
03	6	#11	31'-0"
04	6	#11	40'-6"
05	6	#11	51'-0"
06	6	#10	19'-6"
07	6	#11	32'-0"
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295	6	#11	40'-0"
296	6	#11	40'-0"
297	6	#11	40'-0"
298	6	#11	40'-0"
299	6	#11	40'-0"
300	6	#11	40'-0"
301	6	#11	40'-0"
302	6	#11	40'-0"
303	6	#11	40'-0"
304	6	#11	40'-0"
305	6	#11	40'-0"
306	6	#11	40'-0"
307	6	#11	40'-0"
308	6	#11	40'-0"
309	6	#11	40'-0"
310	6	#11	40'-0"
311	6	#11	40'-0"
312	6	#11	40'-0"
313	6	#11	40'-0"
314	6	#11	40'-0"
315	6	#11	40'-0"
316	6	#11	40'-0"
317	6	#11	40'-0"
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319	6	#11	40'-0"
320	6	#11	40'-0"
321	6	#11	40'-0"
322	6	#11	40'-0"
323	6	#11	40'-0"
324	6	#11	40'-0"
325	6	#11	40'-0"
326	6	#11	40'-0"
327	6	#11	40'-0"

AS-BUILT PLANS FOR INFORMATION ONLY



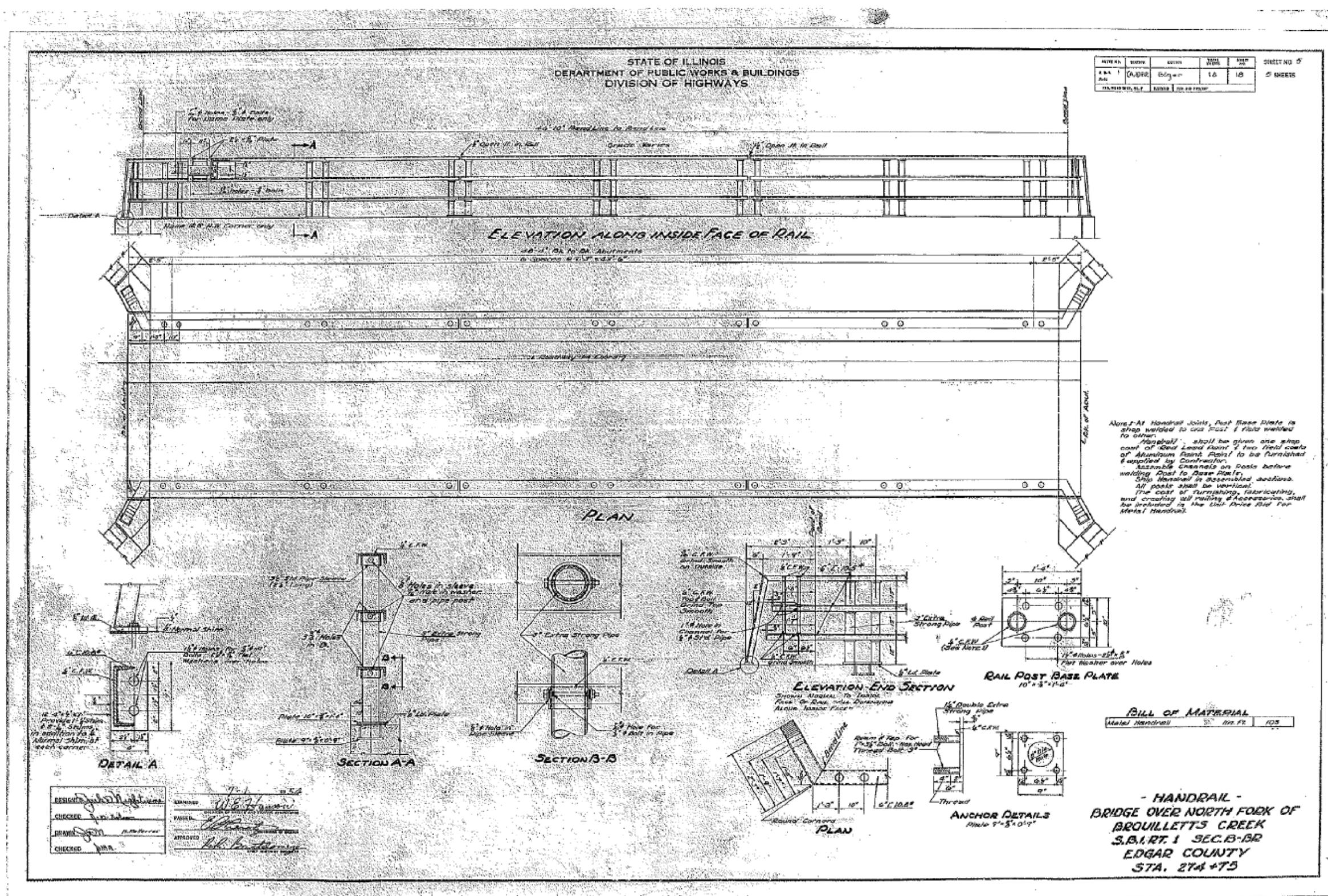
BILL OF MATERIAL - TWO ABUTMENTS

BAR	NO.	SIZE	LENGTH	SHAPE	BAR	NO.	SIZE	LENGTH	SHAPE
1	42	7/8"	14'-0"		1	30	7/8"	20'-0"	
2	20	7/8"	14'-0"		2	30	7/8"	20'-0"	
3	12	7/8"	19'-0"		3	30	7/8"	21'-0"	
4	14	7/8"	19'-0"		4	30	7/8"	21'-0"	
5	12	7/8"	11'-0"		5	30	7/8"	21'-0"	
6	20	7/8"	11'-0"		6	30	7/8"	21'-0"	
7	12	7/8"	2'-0"		7	30	7/8"	21'-0"	
8	10	7/8"	5'-0"		8	30	7/8"	21'-0"	
9	10	7/8"	5'-0"		9	30	7/8"	21'-0"	
10	10	7/8"	5'-0"		10	30	7/8"	21'-0"	
11	10	7/8"	5'-0"		11	30	7/8"	21'-0"	
12	12	7/8"	7'-0"		12	30	7/8"	21'-0"	
13	12	7/8"	8'-0"		13	30	7/8"	21'-0"	
14	12	7/8"	11'-0"		14	30	7/8"	21'-0"	
15	4	7/8"	11'-0"		15	30	7/8"	21'-0"	
16	2	7/8"	19'-0"		16	30	7/8"	21'-0"	
17	2	7/8"	19'-0"		17	30	7/8"	21'-0"	
18	4	7/8"	17'-0"		18	30	7/8"	21'-0"	
19	4	7/8"	10'-0"		19	30	7/8"	21'-0"	
20	4	7/8"	15'-0"		20	30	7/8"	21'-0"	
CLASS I Concrete									cu. yds. 384.0
Reinforcement Bars									lbs. 63,330

DESIGNED: [Signature]
 CHECKED: [Signature]
 DRAWN: [Signature]
 EXAMINED: [Signature]
 PASSED: [Signature]
 APPROVED: [Signature]

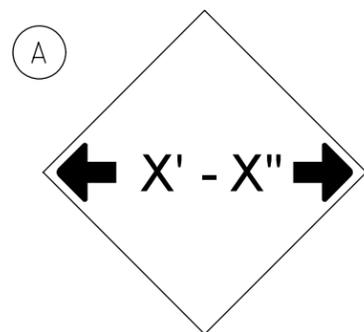
**SUBSTRUCTURE -
BRIDGE OVER NORTH FORK OF
BROULLETT'S CREEK
S.D.R.T. 1 SEC. B-BR
EDGAR COUNTY
STA. 274+75**

AS-BUILT PLANS FOR INFORMATION ONLY



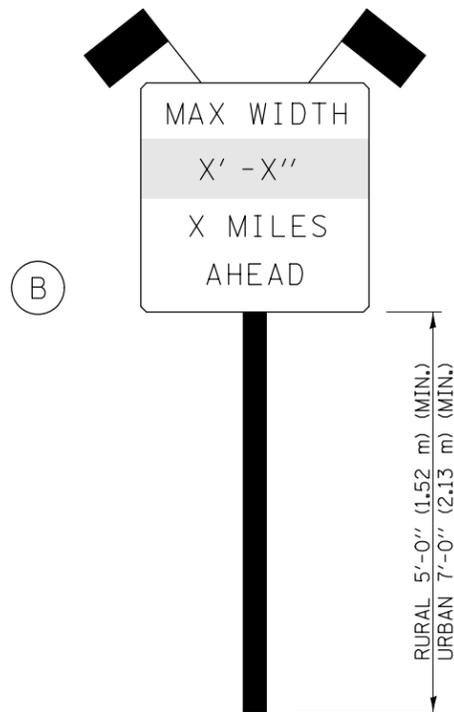
DATE	BY	CHKD	APP'D	SHEET NO.
11/15/19	AWB	BJW	10	18
DRAWN BY: [Signature]				SHEET NO. 5
CHECKED BY: [Signature]				5 SHEETS

DESIGNED: [Signature]	DESIGNED: [Signature]
CHECKED: [Signature]	CHECKED: [Signature]
DRAWN: [Signature]	APPROVED: [Signature]
CHECKED: [Signature]	

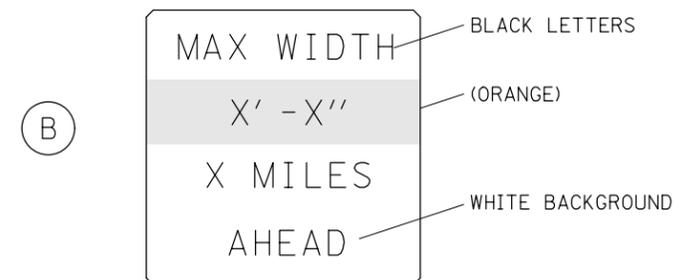


W12-2(0)-48"x48"(1200x1200)

SIGN (A) 2 SIGNS - W12-2(0)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



SIGN PANEL, TYPE II



W12-I103(0)-48"x48"(1200x1200)
"D" LETTERS/NUMBERS

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

STAGE WIDTHS:

STAGE 1 WIDTH = 15'-6" ACTUAL; 14'-0" POSTED; REQUIRED

STAGE 2 WIDTH = 15'-6" ACTUAL; 14'-0" POSTED; REQUIRED

SEE LOCATIONS AND DESCRIPTIONS
ON NEXT 3 SHEETS

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = showleres	DESIGNED -	REVISED - 03/11 -KJT
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0579\DRAWING\DATA\EA0sheets\0570C02.sht.width		DRAWN -	REVISED - 05/08
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 10/08 - KJT
	PLOT DATE = 2/21/2019	DATE -	REVISED - 7/09 - KJT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. X7200201				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(A,B)BR-1	EDGAR	48	45
FED. ROAD DIST. NO.			CONTRACT NO. 70C02	
ILLINOIS FED. AID PROJECT				

WIDTH RESTRICTION SIGNING

A2

AT INTERSECTION OF ILL. 150 (IL-1) & WOODYARD ST.
 ERECT BY / ON POWER POLE WITH LIGHT JUST SOUTH OF WOODYARD ST.
 INCLUDE 1 MILES AHEAD SIGN

1.0 MILES

INTERSECTION OF ILLINOIS-150 (IL-1) & WOODYARD ST.



FILE NAME =	USER NAME = showleres	DESIGNED -	REVISED -
p:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 5\Projects\0579\Drawings\0579\057902\05790202.sht		DRAWN -	REVISED -
\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/21/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

WIDTH RESTRICTION SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(A,B)BR-1	EDGAR	48	47
CONTRACT NO. 70C02				
ILLINOIS FED. AID PROJECT				

WIDTH RESTRICTION SIGNING

A3 AT INTERCHANGE OF ILL. 150 (IL-1) & 14TH ST.
ERECT +/- 50 PAST 14TH ST. EXIT SIGN
INCLUDE 14 MILES AHEAD SIGN

1.0 MILES

B2 AT INTERSECTION OF ILL. 150 (IL-1) & I-74.
ERECT BY I-74 JUNCTION ¼ MILE GREENBACK SIGN
DUAL DISPLAY; 15 MILE AHEAD

INTERCHANGES OF ILLINOIS-150 (IL-1) / I-74 & 14TH ST.



FILE NAME =	USER NAME = showleres	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WIDTH RESTRICTION SIGNING	F.A.P. RTE. 332	SECTION (A,B)BR-1	COUNTY EDGAR	TOTAL SHEETS 48	SHEET NO. 48
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0579\Drawings\EA0\Sheets\0570C02.sht.width										
MODELNAME	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -							
	PLOT DATE = 2/21/2019	DATE -	REVISED -		SCALE:	SHEET 4	OF 4	SHEETS	STA.	TO STA.
ILLINOIS FED. AID PROJECT										CONTRACT NO. 70C02