

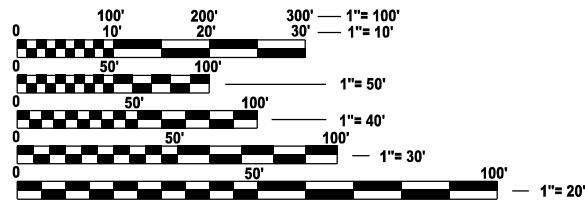
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
743	(19B-1,2)BDR,BRR,BJR	SCOTT	13	1
		ILLINOIS	CONTRACT NO. 72608	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED  
HIGHWAY PLANS

FAS ROUTE 743 (HILLVIEW BLACKTOP)  
SECTION (19B-1,2)BDR,BRR,BJR  
PROJECT (STATE ONLY)  
BRIDGE DECK AND APPROACH REPAIRS  
SCOTT COUNTY  
C-96-054-25

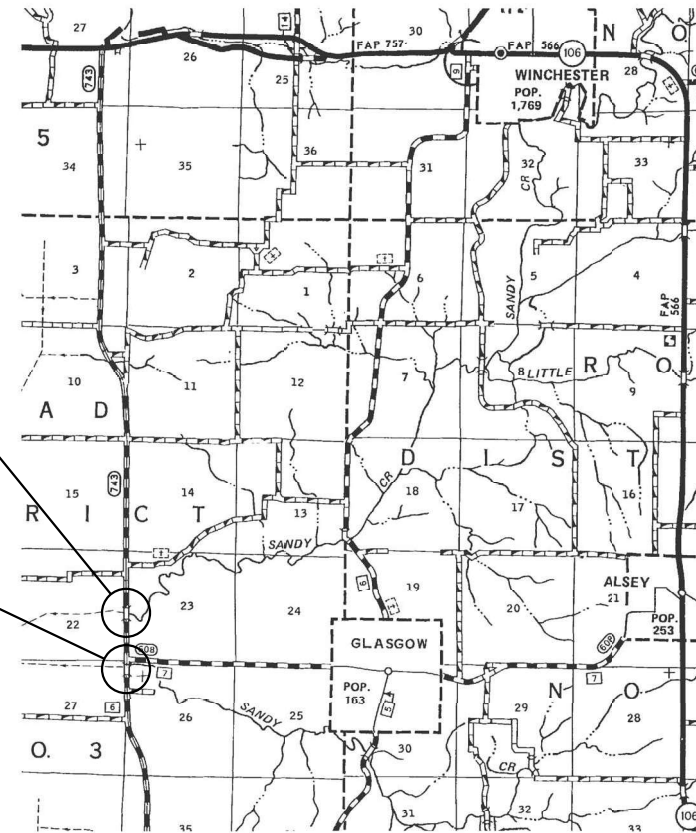


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: BRANDON DUDLEY - (217-785-9290)  
PROJECT MANAGER

CONTRACT NO. 72608

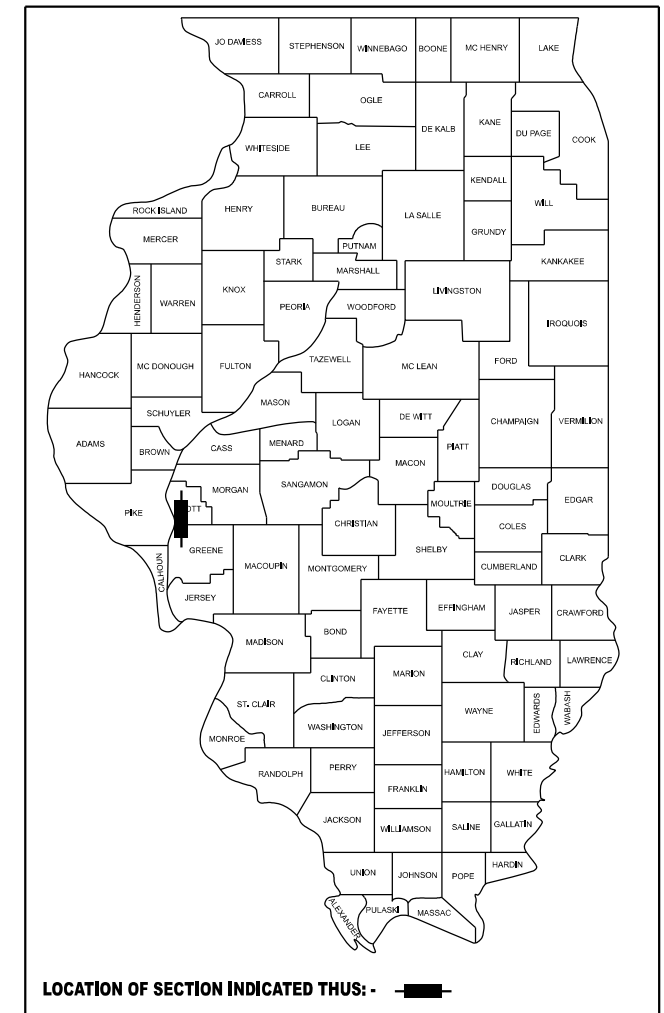


LOCATION #1:  
SN 086-0016  
HILLVIEW RD OVER  
SANDY CREEK  
2.5 MI N GREENE CO

LOCATION #2:  
SN 086-0019  
HILLVIEW RD OVER  
LITTLE SANDY CREEK  
2.1 MI N GREENE CO

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

D-96-020-25



LOCATION OF SECTION INDICATED THUS: - [thick black line] -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 10 20 24

*[Signature]*  
REGIONAL ENGINEER

January 31 20 25  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

January 31 25  
*[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX, STANDARDS, GENERAL NOTES, SIGNATURES, & SCHEDULES
- 3-4 SUMMARY OF QUANTITIES
- 5 TYPICAL SECTIONS
- 6 ROADWAY PLAN
- 7-8 TRAFFIC CONTROL PLAN
- 9-11 BRIDGE PLANS, SN 086-0016
- 12-13 BRIDGE PLANS, SN 086-0019

HIGHWAY STANDARDS

- 000001-08
- 001001-02
- 001006
- 701001-02
- 701006-05
- 701201-05
- 701301-04
- 701311-03
- 701316-14
- 701326-04
- 701901-10

SHOULDER IMPROVEMENT SCHEDULE						
STA	TO	STA	PAVED SHLDR. REM. (SQ. YD.)	EARTH EX. (WIDENING) (CU. YD.)	BASE CSE. WIDENING - 8" (SQ. YD.)	AGG. WEDGE SHLDR. TY. B (TON)
279+78 LT	-	280+58 LT	26.7	1.5	26.7	2.0
279+78 RT	-	280+58 RT	26.7	0	26.7	2.0
285+00 LT	-	285+80 LT	26.7	1.5	26.7	2.0
285+00 RT	-	285+80 RT	26.7	0	26.7	2.0
305+29 LT	-	305+99 LT	31.1	0	31.1	2.0
305+29 RT	-	305+99 RT	31.1	0	31.1	2.0
309+15 LT	-	309+85 LT	31.1	0	31.1	2.0
309+15 RT	-	309+85 RT	31.1	0	31.1	2.0
TOTALS:			231.2	3	231.2	16.0


GENERAL NOTES:

TRAFFIC CONTROL AT SN 086-0019 SHALL CONFORM TO THE DETAIL ON SHEETS 7-8.  
 TRAFFIC CONTROL AT SN 086-0016 SHALL CONFORM TO STANDARD DETAIL 701316.

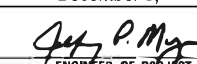
HMA MIX TABLE			
MIXTURE USE	HMA BASE CSE (TOP 1.5")	HMA BASE CSE (LOWER LIFTS)	HMA SURF CSE
PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL-9.5	IL-19.0	IL-9.5
FRICTION AGGREGATE	MIX "C"	N/A	MIX "C"
MIXTURE WEIGHT	112 LB/SY*IN	112 LB/SY*IN	112 LB/SY*IN
QUALITY MANAGEMENT	QC/QA	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A	N/A

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
DISTRICT 6**


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EXAMINED December 10, 20 24  
  
 ENGINEER OF OPERATIONS

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EXAMINED December 9, 20 24  
  
 ENGINEER OF PROJECT IMPLEMENTATION

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EXAMINED December 11, 20 24  
  
 ENGINEER OF PROGRAM DEVELOPMENT

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REV - MS

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

0-02179-6029	0-02179-6029
SN 086-0016	SN 086-0019
100% STATE	100% STATE
BRIDGE	BRIDGE
0047	0047
RURAL	RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY		
20200500	EARTH EXCAVATION (WIDENING)	CU YD	3	3	0
35650300	BASE COURSE WIDENING 8"	SQ YD	232	107	125
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	600	300	300
40600990	TEMPORARY RAMP	SQ YD	140	70	70
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	150	75	75
44004250	PAVED SHOULDER REMOVAL	SQ YD	232	107	125
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	16	8	8
50102400	CONCRETE REMOVAL	CU YD	0.2	0.1	0.1
50300300	PROTECTIVE COAT	SQ YD	284	265	19
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	2	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5	0.5
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	0.5	0.5
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	1	1

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/19/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
743	(19B-1.2)BDR,BRR,BJR	SCOTT	13	3
CONTRACT NO. 72608			ILLINOIS FED. AID PROJECT	

0-02179-6029	0-02179-6029
SN 086-0016	SN 086-0019
100% STATE	100% STATE
BRIDGE	BRIDGE
0047	0047
RURAL	RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY		
70107025	CHANGEABLE MESSAGE SIGNS	CAL DAY	150	75	75
70106700	TEMPORARY RUMBLE STRIPS	EACH	12	6	6
78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	3850	2000	1850
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	1250	700	550
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1334	667	667
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	0.5	0.5
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	10	5	5
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	10	5	5
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	274	260	14
Z0021907	SILICONE JOINT SEALER, 1.75"	FOOT	64	64	0
Z0021912	SILICONE JOINT SEALER, 2.5"	FOOT	32	32	0
Z0021914	SILICONE JOINT SEALER, 2.75"	FOOT	32	32	0
Z0032500	JOINT SEALING (PATCHES)	FOOT	1800	1500	300
Z0041895	POLYMER CONCRETE	CU FT	6	3.6	2.4

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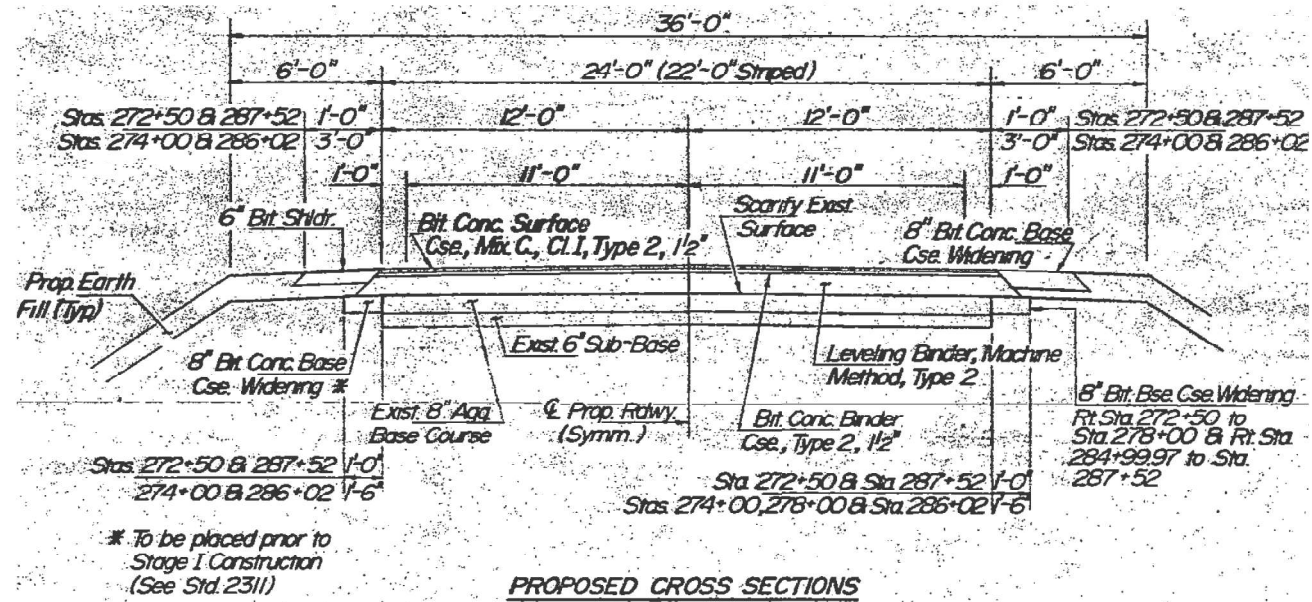
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

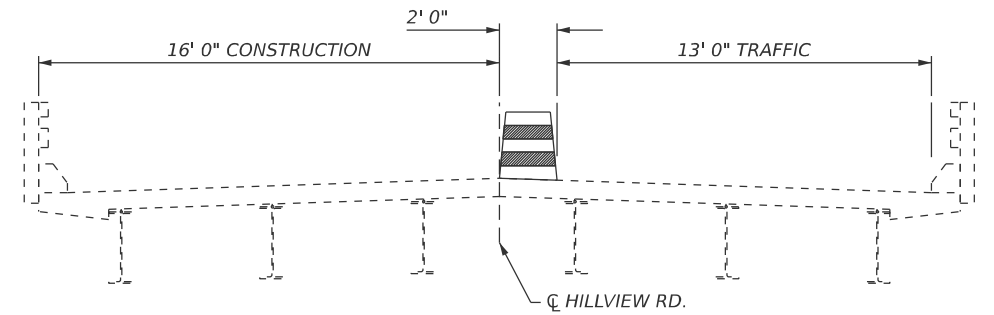
**SUMMARY OF QUANTITIES**

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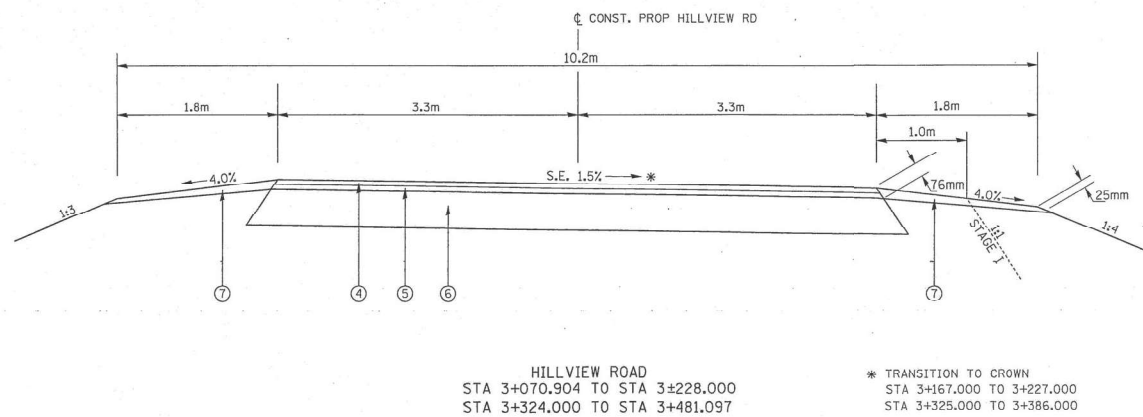
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CONTRACT NO. 72608			ILLINOIS FED. AID PROJECT	



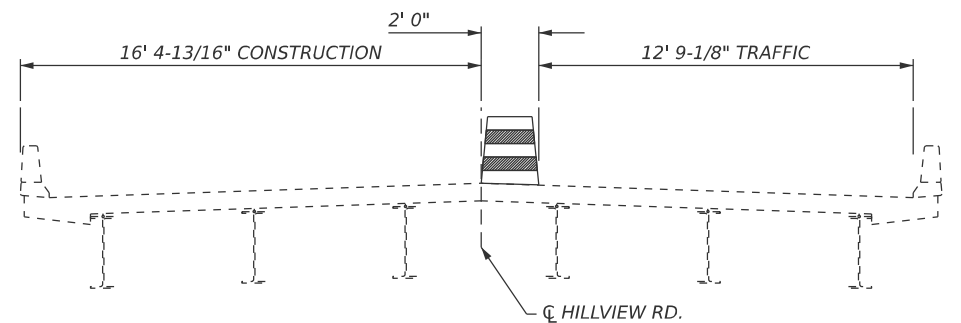
EXISTING PAVEMENT CROSS SECTION ADJACENT TO SN 086-0016



- LEGEND**
- ① EXIST. AGGREGATE BASE COURSE
  - ② EXIST. BITUMINOUS CONCRETE SURFACE
  - ③ PROP. LEVELING BINDER - (MACHINE METHOD) MIXTURE C, TYPE 2 - VARIABLE DEPTH
  - ④ PROP. BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE C, CLASS I, TYPE 2 - 38mm
  - ⑤ PROP. BITUMINOUS CONCRETE BINDER COURSE, MIXTURE B, TYPE 2 - 38mm
  - ⑥ PROP. BITUMINOUS BASE COURSE - 230mm
  - ⑦ PROP. AGGREGATE SHOULDER, TYPE B
  - ⑧ PROP. EMBANKMENT - VARIABLE DEPTH
  - ⑨ PROP. PAVEMENT REMOVAL (SPECIAL)



EXISTING PAVEMENT CROSS SECTION ADJACENT TO SN 086-0019



NOTE: NO RECORD OF HMA SHOULDERS COULD BE FOUND ADJACNET TO SN 086-0019. EXISTING HMA SHOULDERS AT THAT LOCATION ARE ASSUMED TO BE 8" THICK.

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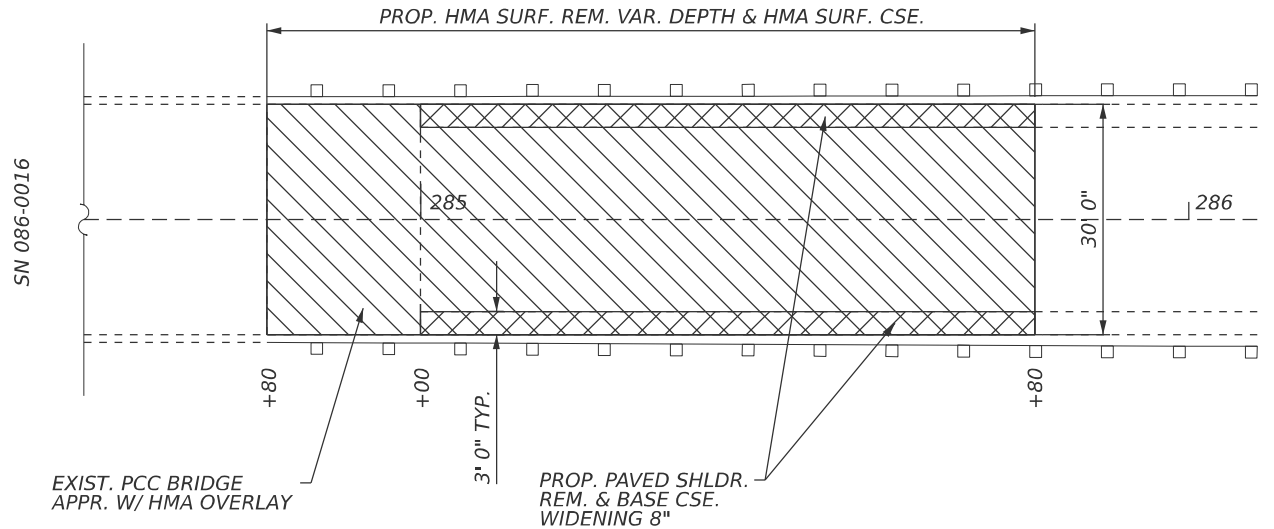
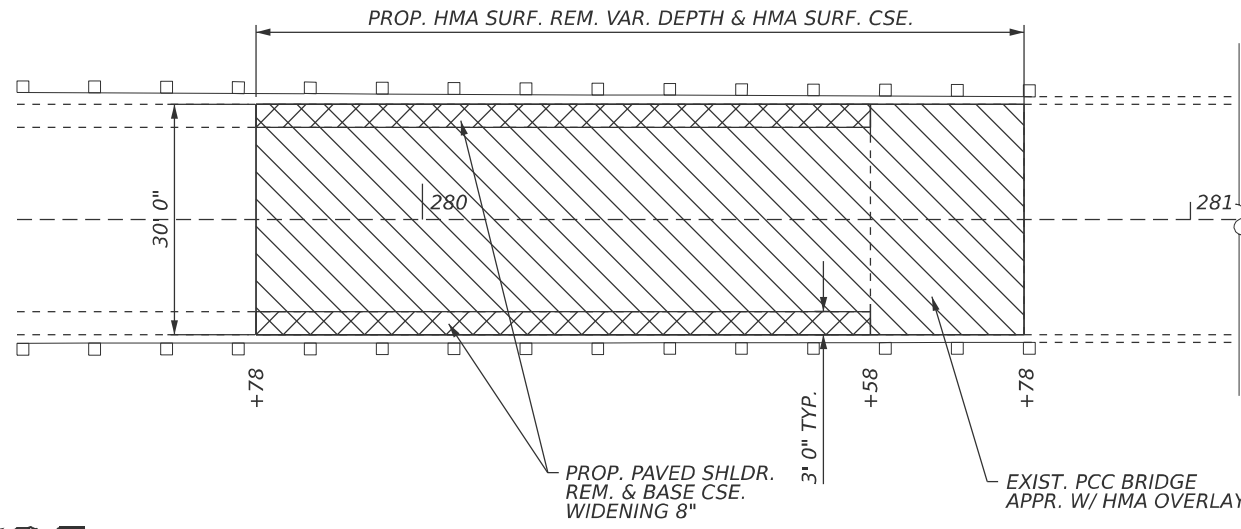
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PLOT DATE = 11/19/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

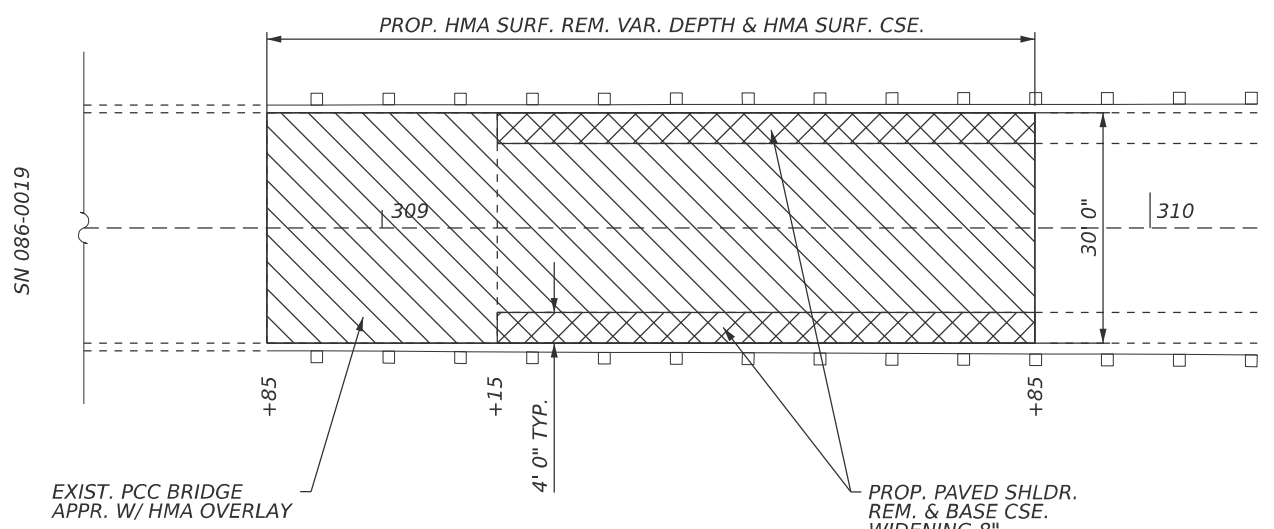
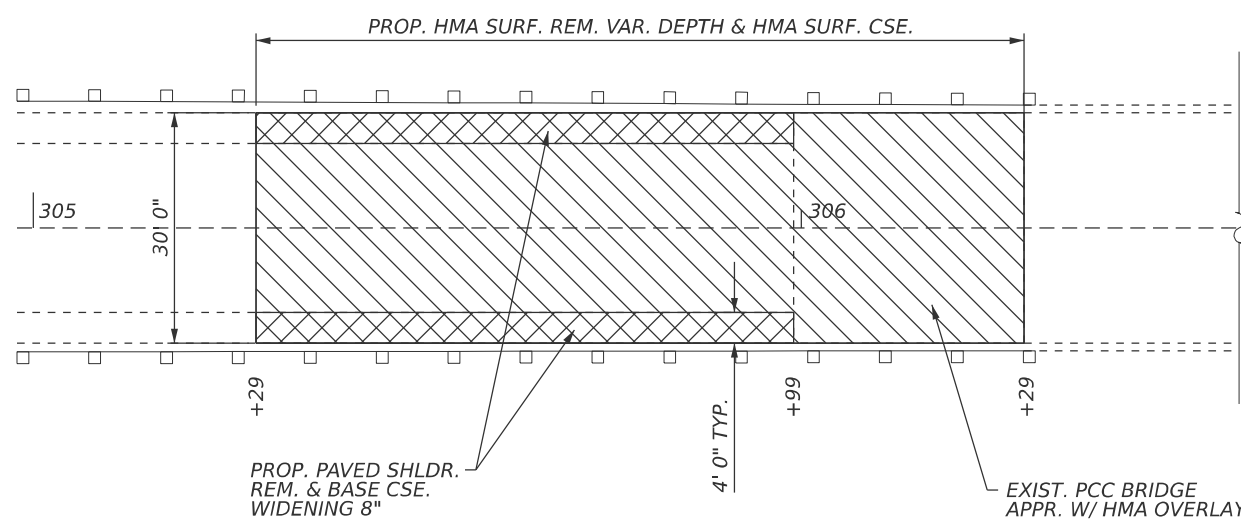
EXISTING TYPICAL SECTIONS  
(FOR INFORMATION ONLY)

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
743	(19B-1.2)BDR,BRR,BJR	SCOTT	13	5
CONTRACT NO. 72608				
ILLINOIS FED. AID PROJECT				



SN 086-0016 ROADWAY PLAN



SN 086-0019 ROADWAY PLAN

NOTES:

- MILLING DEPTHS SHALL BE VARIED TO CREATE A SMOOTH PROFILE FROM THE BRIDGE ABUTMENTS ACROSS THE LENGTH OF THE PAVING AREA. SUFFICIENT DEPTH SHALL BE REMOVED TO FACILITATE A MINIMUM PAVING DEPTH OF 1.5".
- PROPOSED PAVEMENT SLOPES SHALL MATCH EXISTING UNLESS MODIFIED BY THE ENGINEER.

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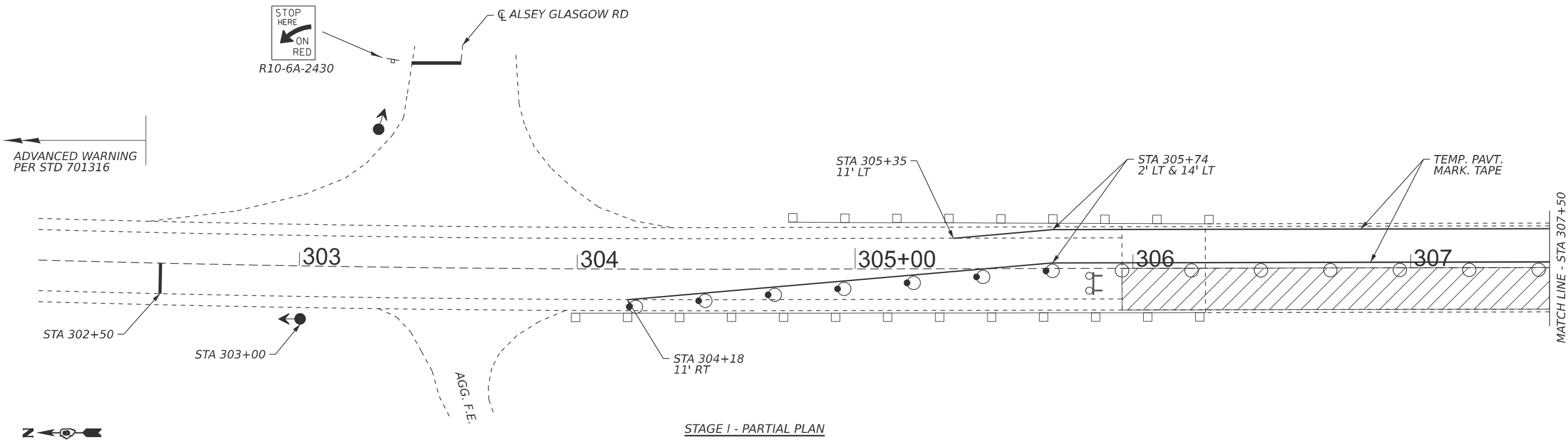
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

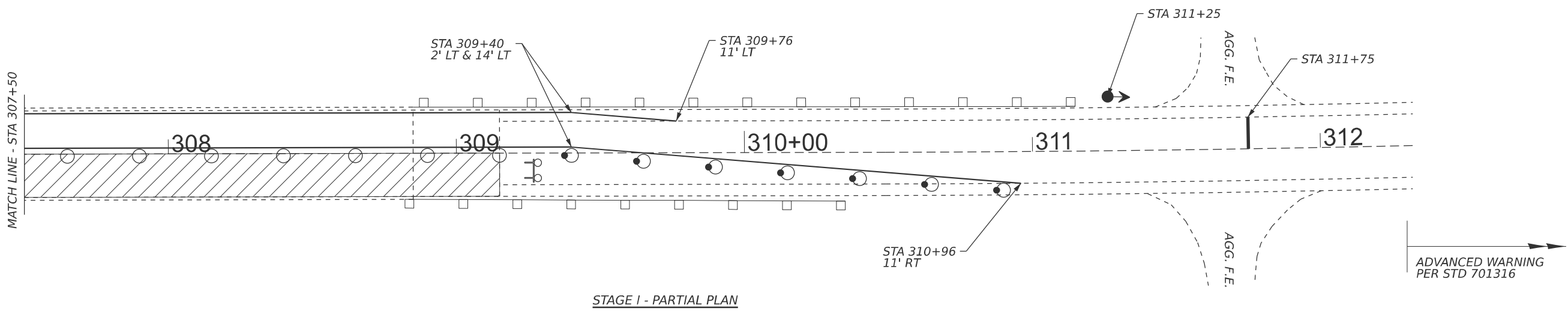
ROADWAY PLAN

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CONTRACT NO. 72608				
ILLINOIS FED. AID PROJECT				








STAGE I - PARTIAL PLAN



STAGE I - PARTIAL PLAN

**SYMBOLS**

-  WORK AREA
-  DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
-  DRUM
-  TRAFFIC SIGNAL
-  TYPE III BARRICADE WITH FLASHING LIGHTS

**TRAFFIC CONTROL NOTES:**

1. Traffic control devices not shown in this detail shall be per standard 701316. Devices and temporary pavement markings shown in this detail shall be included in the cost of TRAFFIC CONTROL AND PROTECTION, STANDARD 701316. Temporary rumble strips and temporary traffic signals shall be paid separately.
2. An additional traffic signal and R10-6A-2430 sign shall be provided at Alsey Glasgow Road, cost included in the bid price for TEMPORARY BRIDGE TRAFFIC SIGNALS.

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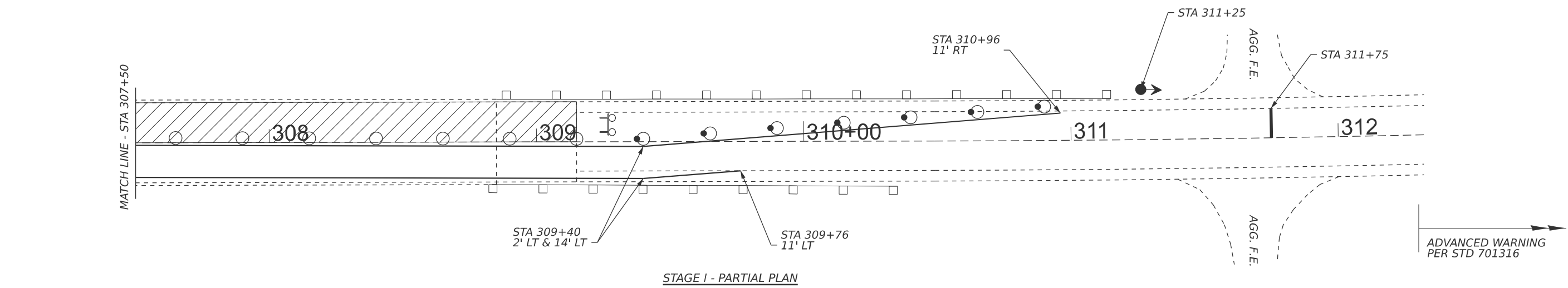
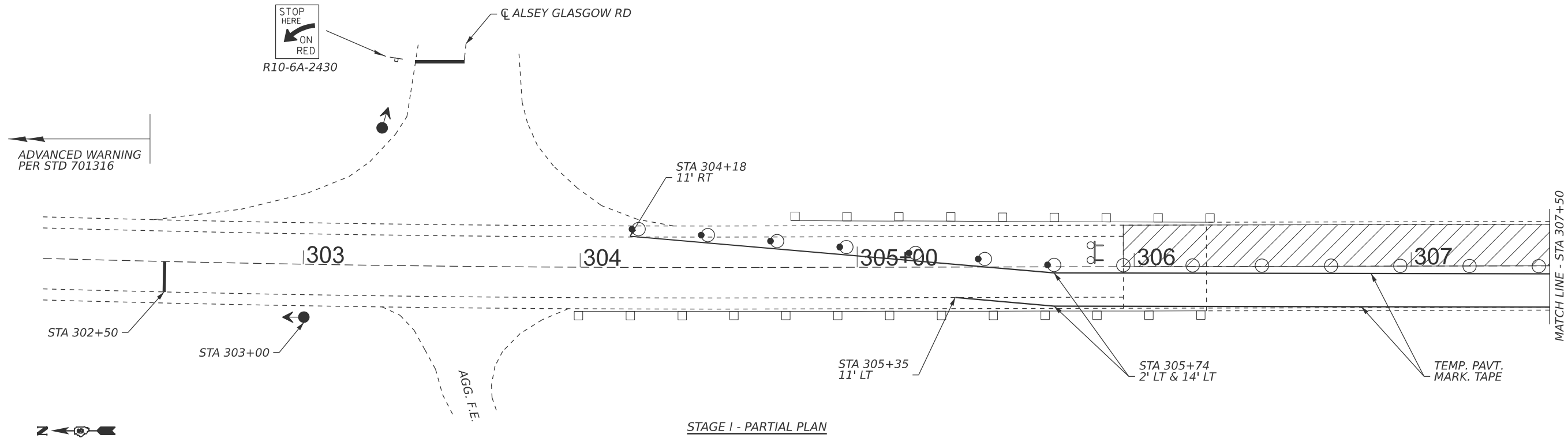
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PLOT DATE = 11/19/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**






**STAGE I TRAFFIC CONTROL PLAN  
SN 086-0019**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
743	(19B-1.2)BDR,BRR,BJR	SCOTT	13	7
CONTRACT NO. 72608			ILLINOIS FED. AID PROJECT	



**SYMBOLS**

-  WORK AREA
-  DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
-  DRUM
-  TRAFFIC SIGNAL
-  TYPE III BARRICADE WITH FLASHING LIGHTS

**TRAFFIC CONTROL NOTES:**

- Traffic control devices not shown in this detail shall be per standard 701316. Devices and temporary pavement markings shown in this detail shall be included in the cost of TRAFFIC CONTROL AND PROTECTION, STANDARD 701316. Temporary rumble strips and temporary traffic signals shall be paid separately.
- An additional traffic signal and R10-6A-2430 sign shall be provided at Alsey Glasgow Road, cost included in the bid price for TEMPORARY BRIDGE TRAFFIC SIGNALS.

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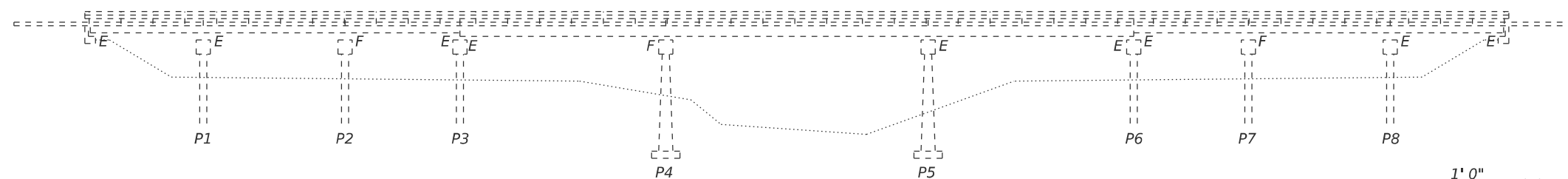
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE II TRAFFIC CONTROL PLAN  
SN 086-0019**

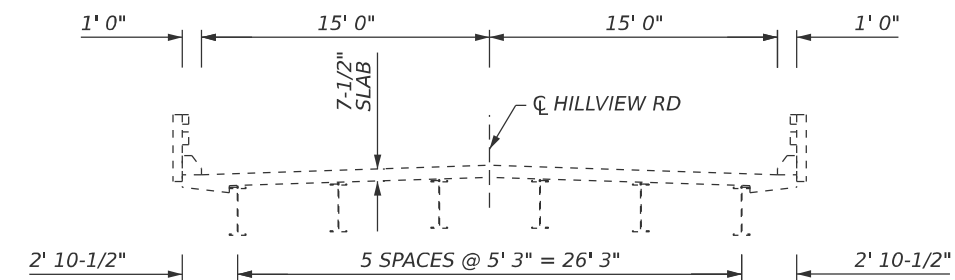
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F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72608				
ILLINOIS FED. AID PROJECT				

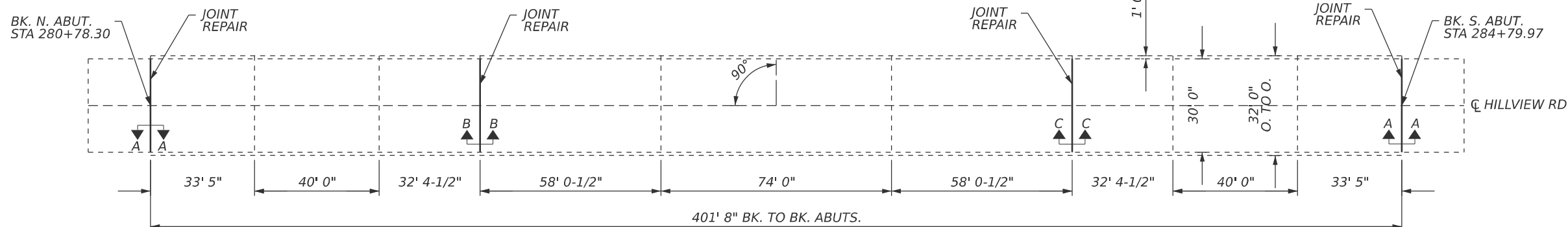




ELEVATION



CROSS SECTION



PLAN

GENERAL NOTES

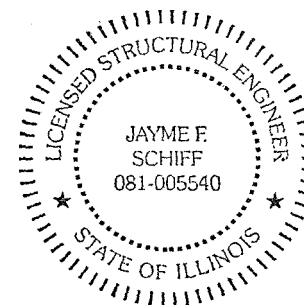
Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Plan dimensions and details relative to the existing structure have been taken from existing plans and 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.

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on As-built Plans.

Existing reinforcement shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal.

Protective coat shall be applied to new concrete only.



EXPIRES 11-30-2026

Jayme F. Schiff

TOTAL BILL OF MATERIAL, SN 086-0016

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	0.1
Polymer Concrete	Cu. Ft.	3.6
Silicone Joint Sealer, 1-3/4"	Foot	64
Silicone Joint Sealer, 2-1/2"	Foot	32
Silicone Joint Sealer, 2-3/4"	Foot	32
* Deck Slab Repair (Partial)	Sq. Yd.	260
* Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	5
Approach Slab Repair (Partial Depth)	Sq. Yd.	5
Joint Sealing (Patches)	Foot	1500
Protective Coat	Sq. Yd.	265

\* Quantity is estimated. Location and size of patches to be determined in the field by the Engineer.

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	DRAWN - BRANDON DUDLEY	REVISED -
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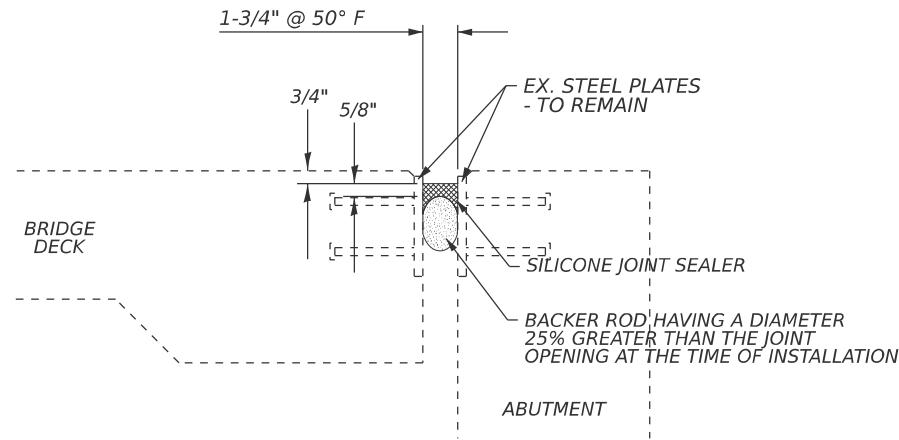
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN & ELEVATION  
SN 086-0016

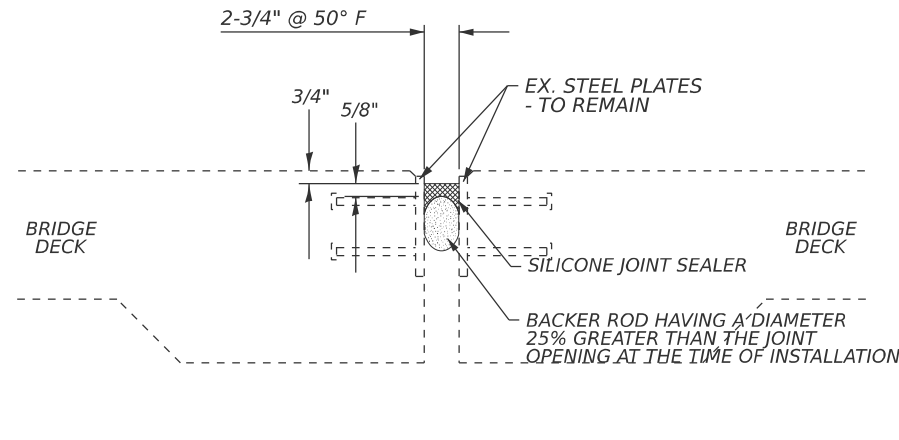
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72608				
ILLINOIS FED. AID PROJECT				

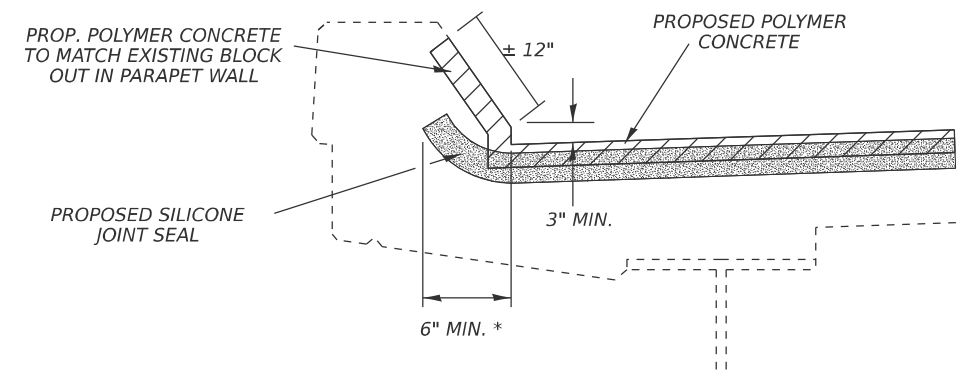




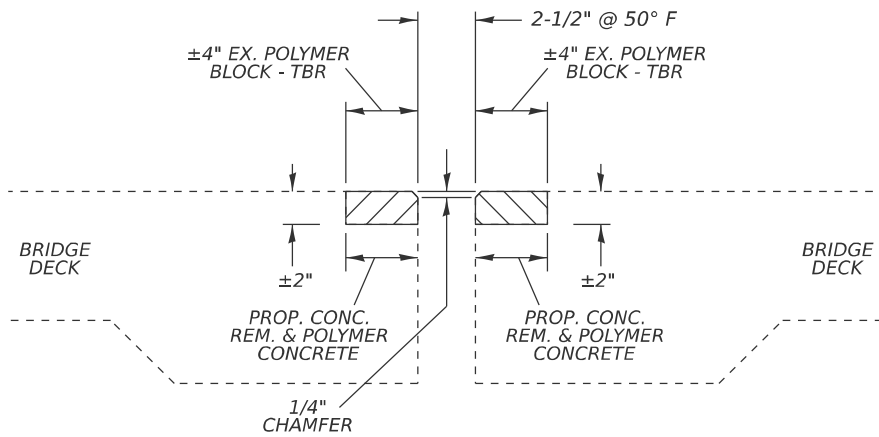
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ABUT. SILICONE JOINT SEALER DETAIL



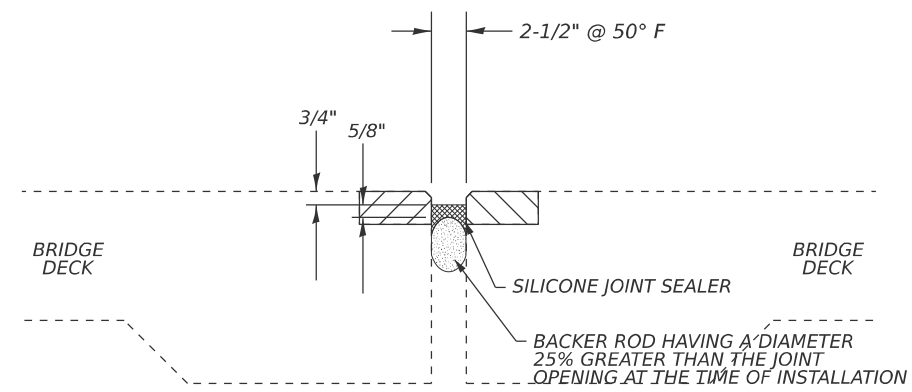
SECTION B-B:  
P3 SILICONE JOINT SEALER DETAIL



TYPICAL PARAPET CROSS SECTION:  
JOINT SEALER END TREATMENT



SECTION C-C  
P6 POLYMER CONCRETE  
CROSS SECTION



SECTION C-C:  
P6 SILICONE JOINT SEALER DETAIL

JOINT REPAIR BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	0.1
Polymer Concrete	Cu. Ft.	3.6
Silicone Joint Sealer, 1-3/4"	Foot	64
Silicone Joint Sealer, 2-1/2"	Foot	32
Silicone Joint Sealer, 2-3/4"	Foot	32

NOTES:

- 1/4" CHAMFER MAY BE ACHIEVED BY GRINDING AFTER POLYMER CONCRETE HAS CURED.
- ANY EXISTING POLYMER CONCRETE THAT IS SOUND MAY BE LEFT IN PLACE WITH APPROVAL OF THE ENGINEER. UNSOUND AREAS SHALL BE REPLACED WITH NEW POLYMER CONCRETE.

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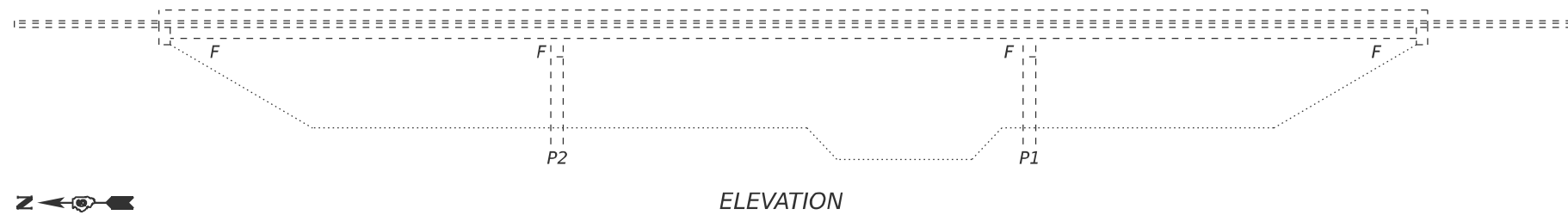
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PLOT DATE = 11/19/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

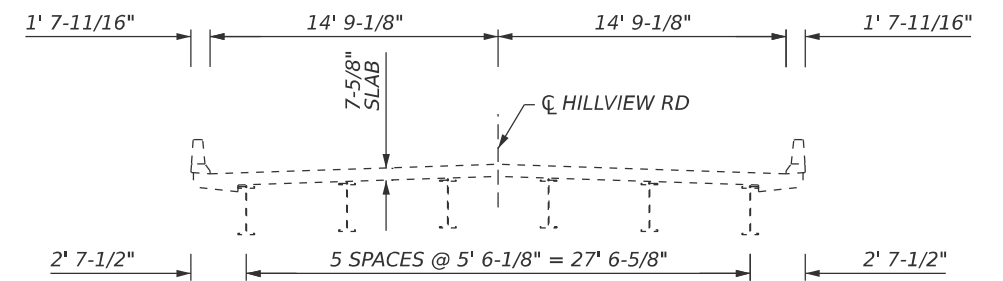
JOINT REPAIR DETAIL  
SN 086-0016

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

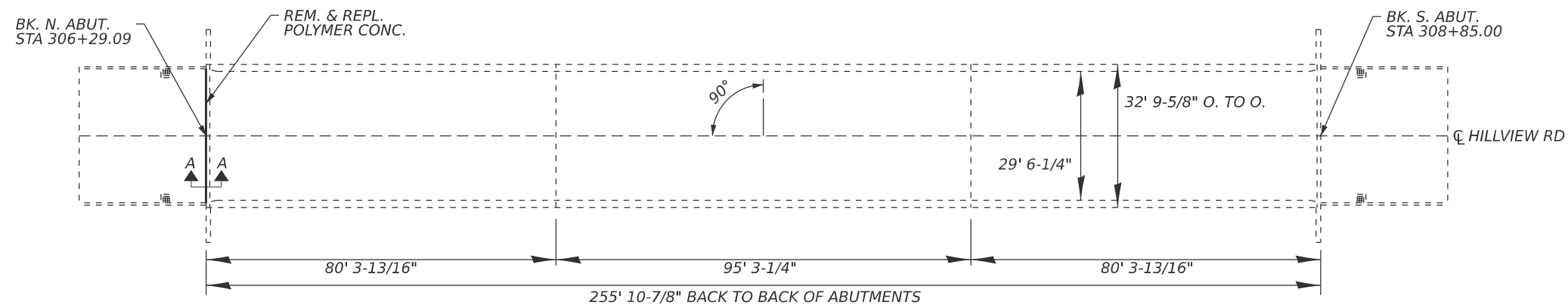
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743	(19B-1.2)BDR,BRR,BJR	SCOTT	13	11
CONTRACT NO. 72608				
ILLINOIS FED. AID PROJECT				



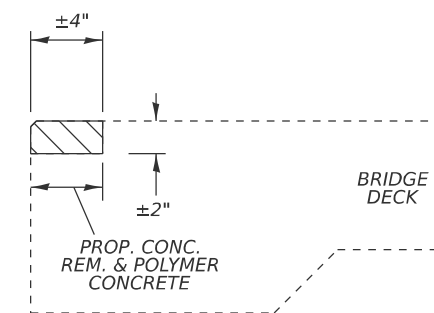
ELEVATION



CROSS SECTION



PLAN



SECTION A-A

**GENERAL NOTES**

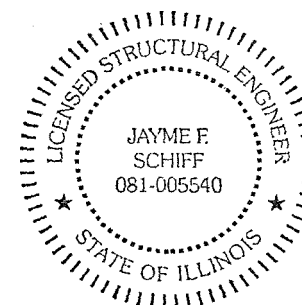
Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Plan dimensions and details relative to the existing structure have been taken from existing plans and 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.

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on As-built Plans.

Existing reinforcement shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal.

Protective coat shall be applied to new concrete only.



EXPIRES 11-30-2026

*Jayme F. Schiff*

**TOTAL BILL OF MATERIAL, SN 086-0019**

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	0.1
Polymer Concrete	Cu. Ft.	2.4
Deck Slab Repair (Partial)	Sq. Yd.	14
* Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	5
* Approach Slab Repair (Partial Depth)	Sq. Yd.	5
Joint Sealing (Patches)	Foot	300
Protective Coat	Sq. Yd.	19

\* Quantity is estimated. Location and size of patches to be determined in the field by the Engineer.

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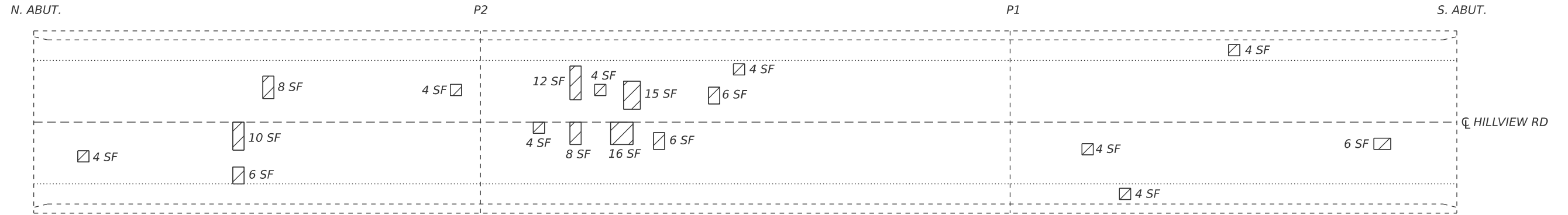
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PLOT DATE = 11/19/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN & ELEVATION  
SN 086-0019

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
743	(19B-1.2)BDR,BRR,BJR	SCOTT	13	12
CONTRACT NO. 72608				
ILLINOIS FED. AID PROJECT				



PLAN

 Deck Slab Repair (Partial Depth)

Identified patching locations are estimated from a deck survey performed on 10/14/2024. The patching survey is included for information only. The engineer shall lay out actual patch locations in the field.

The engineer shall show actual loactions of deck repairs on as-built plans.

Full depth patches shall be covered with steel plates during non-work hours.

JOINT SEALING (PATCHES) shall be applied in locations as directed in the special provisions, along the entire length of any existing stage construction joints, and along the construction joints between the abutment and approaches.

**SLAB REPAIR BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	14
* Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	5
* Approach Slab Repair (Partial Depth)	Sq. Yd.	5
Joint Sealing (Patches)	Foot	300
Protective Coat	Sq. Yd.	19

\* Quantity is estimated. Location and size of patches to be determined in the field by the Engineer.

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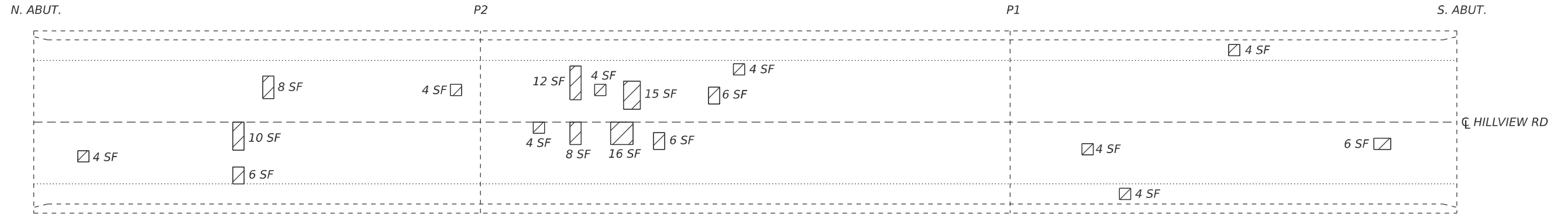
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	CHECKED -	REVISED -
PLOT DATE = 11/19/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SLAB REPAIR DETAIL  
SN 086-0019**

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
743	(19B-1.2)BDR,BRR,BJR	SCOTT	13	13
CONTRACT NO. 72608			ILLINOIS FED. AID PROJECT	



PLAN

 Deck Slab Repair (Partial Depth)

Identified patching locations are estimated from a deck survey performed on 10/14/2024. The patching survey is included for information only. The engineer shall lay out actual patch locations in the field.

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JOINT SEALING (PATCHES) shall be applied in locations as directed in the special provisions, along the entire length of any existing stage construction joints, and along the construction joints between the abutment and approaches.

**SLAB REPAIR BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	14
* Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	5
* Approach Slab Repair (Partial Depth)	Sq. Yd.	5
Joint Sealing (Patches)	Foot	300
Protective Coat	Sq. Yd.	19

\* Quantity is estimated. Location and size of patches to be determined in the field by the Engineer.

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PLOT DATE = 11/19/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SLAB REPAIR DETAIL  
SN 086-0019**

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
743	(19B-1.2)BDR,BRR,BJR	SCOTT	13	13
CONTRACT NO. 72608			ILLINOIS FED. AID PROJECT	