

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	(1) BDR, BJR	SCOTT	11	1
		ILLINOIS	CONTRACT NO. 72L75	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED
HIGHWAY PLANS

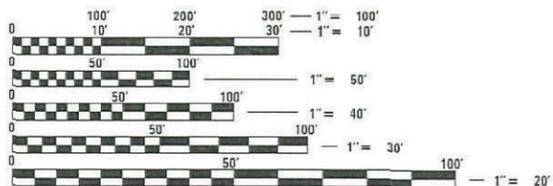
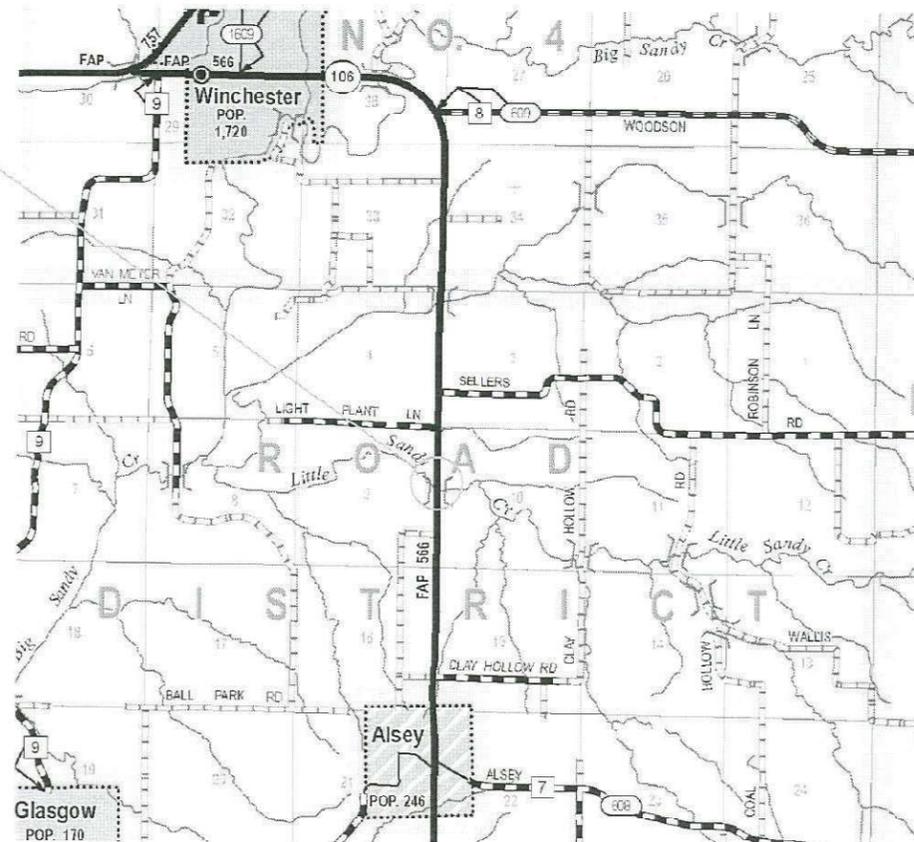
FAP 566 (IL ROUTE 106)
SECTION (1) BDR, BJR
BRIDGE DECK PATCHING AND JOINT SEALING
SCOTT COUNTY

D-96-040-20



C-96-065-20

BRIDGE DECK PATCHING
AND JOINT WORK
AT SN 086-0013
IL 106 OVER
LITTLE SANDY CREEK,
1.5 MI. N. OF ALSEY
N39.587576° W90.4330434°



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

BRIDGE MAINTENANCE ENGINEER: BRANDON DUDLEY, 217-785-9290
PROJECT DESIGNER: NKOSANE NOSAKHERE, 217-524-5010

GROSS LENGTH = 79.12 FT. = 0.015 MILE
NET LENGTH = 79.12 FT. = 0.015 MILE

CONTRACT NO. 72L75

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 20, 2020
[Signature] REGIONAL ENGINEER

May 8, 2020 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2020 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

0-02174-6023
 SN 086-0013
 100% STATE
 BRIDGE
 0047
 SCOTT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
67100100	MOBILIZATION	L SUM	1	1
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIP	EACH	6	6
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	90	90
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	27	27
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	89	89
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	5	5
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	22	22
Z0021904	SILICONE JOINT SEALER, 1"	FOOT	34	34
Z0021907	SILICONE JOINT SEALER, 1.75"	FOOT	34	34
Z0032500	JOINT SEALING (PATCHES)	FOOT	686	686

MODEL Full Size
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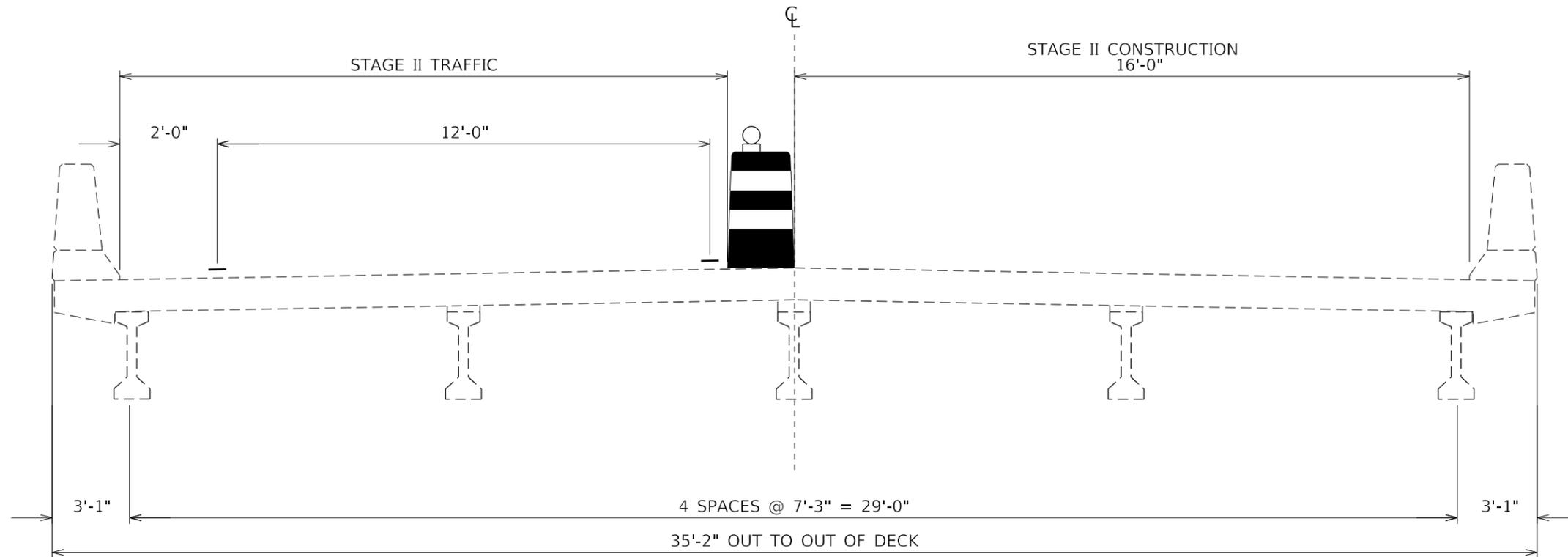
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

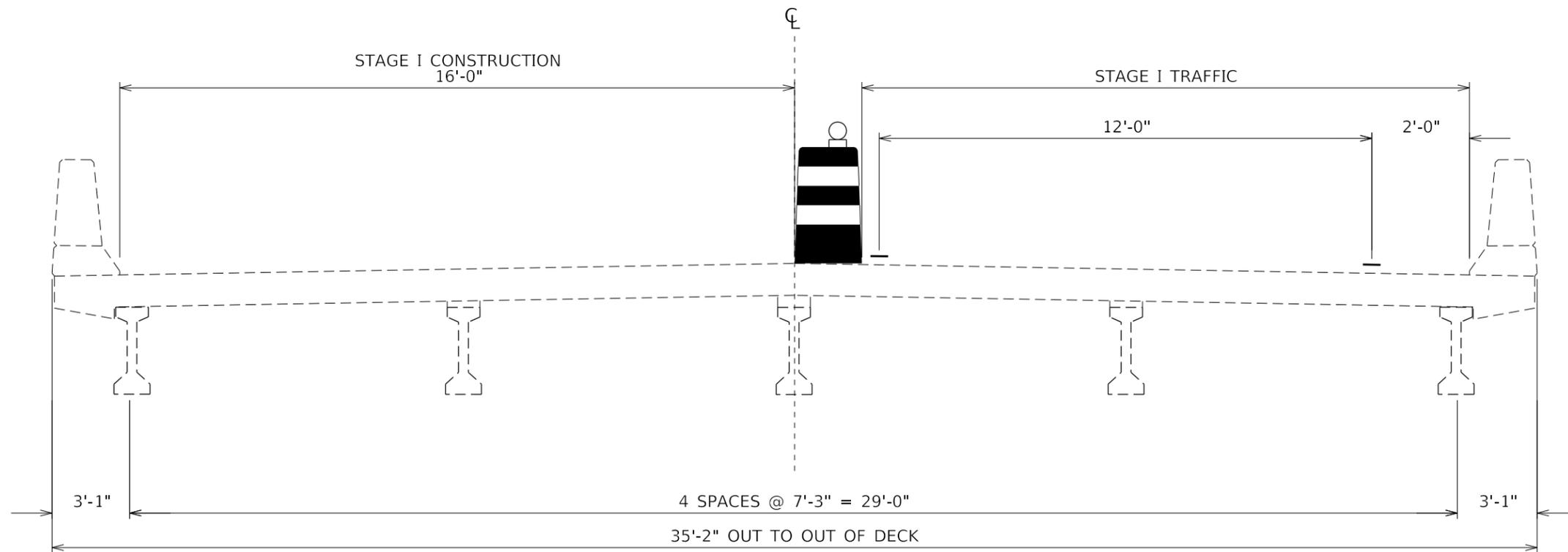
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	(1) BDR, BJR	SCOTT	11	3
CONTRACT NO. 72L75			ILLINOIS FED. AID PROJECT	



STAGE I CROSS SECTION TYPICAL (LOOKING SOUTH)



STAGE II CROSS SECTION TYPICAL (LOOKING SOUTH)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

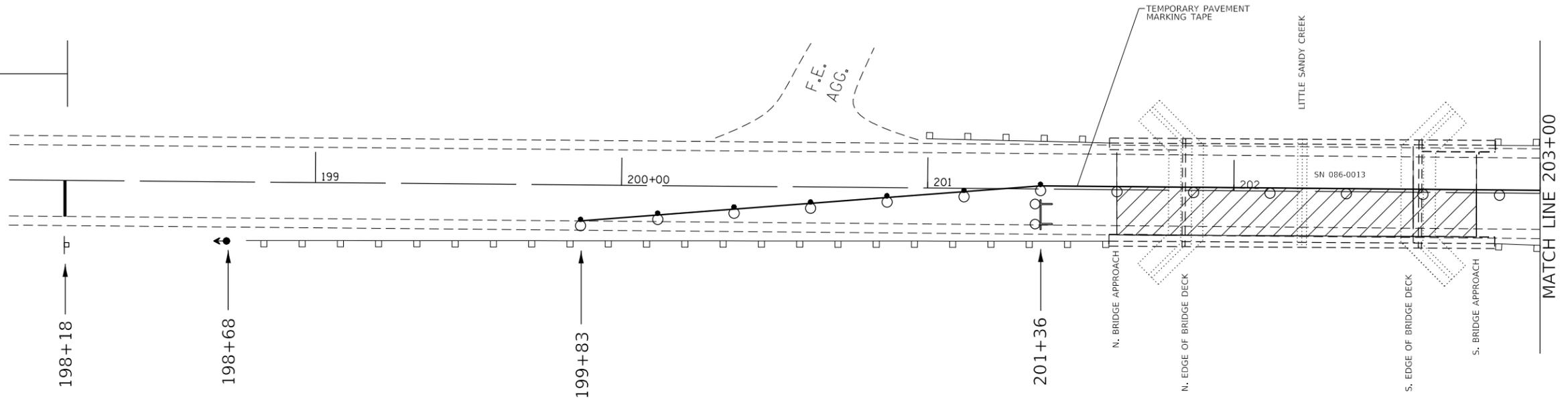
TRAFFIC STAGING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	(1) BDR, BJR	SCOTT	11	4
CONTRACT NO. 72L75				
ILLINOIS		FED. AID PROJECT		



ADVANCE WARNING
PER STD. 701316



SYMBOLS

-  Work area
-  Sign
-  Traffic signal
-  Drum with steady burn bi-directional light
-  Type III barricade with flashing lights
-  Drum

NOTES

TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701316
AND AS SHOWN ON THIS SHEET.

REMOVAL OF EXISTING PAVEMENT MARKINGS WILL NOT BE REQUIRED.

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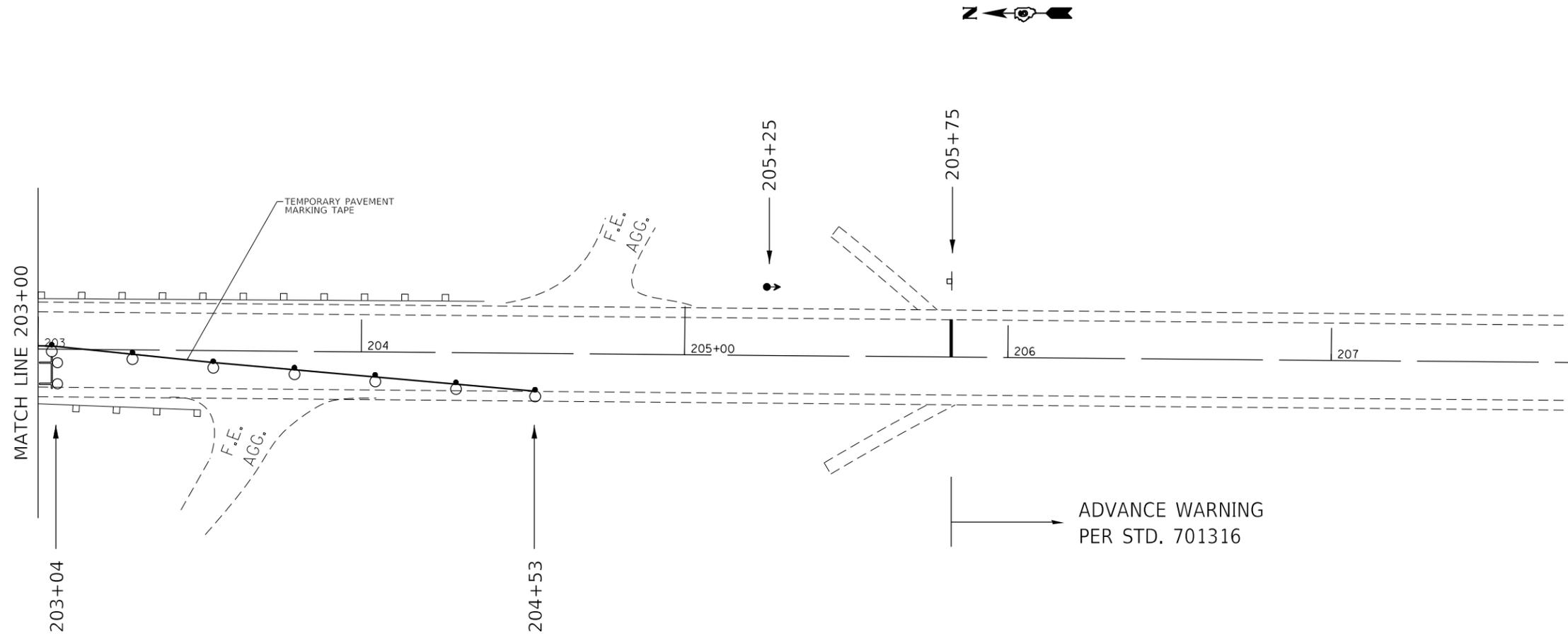
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE I TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	(1) BDR, BJR	SCOTT	11	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L75	



ADVANCE WARNING
PER STD. 701316

NOTES

TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701316
AND AS SHOWN ON THIS SHEET.

REMOVAL OF EXISTING PAVEMENT MARKINGS WILL NOT BE REQUIRED.

SYMBOLS

-  Work area
-  Sign
-  Traffic signal
-  Drum with steady burn bi-directional light
-  Type III barricade with flashing lights
-  Drum

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

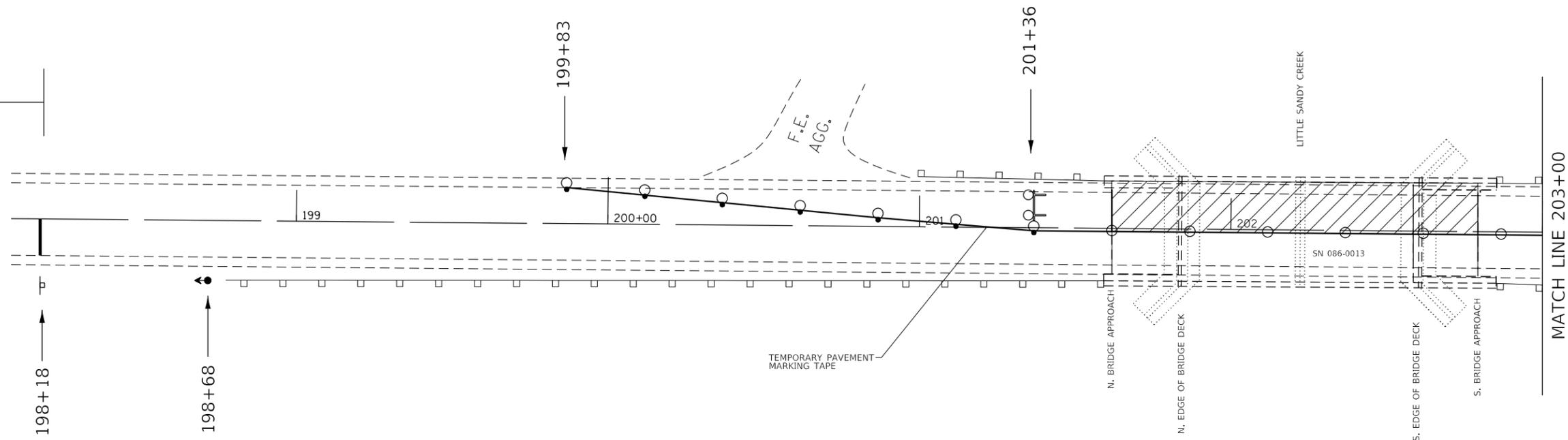
STAGE I TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	(1) BDR, BJR	SCOTT	11	6
CONTRACT NO. 72L75			ILLINOIS FED. AID PROJECT	



ADVANCE WARNING
PER STD. 701316



SYMBOLS

-  Work area
-  Sign
-  Traffic signal
-  Drum with steady burn bi-directional light
-  Type III barricade with flashing lights
-  Drum

NOTES

TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701316 AND AS SHOWN ON THIS SHEET.

REMOVAL OF EXISTING PAVEMENT MARKINGS WILL NOT BE REQUIRED.

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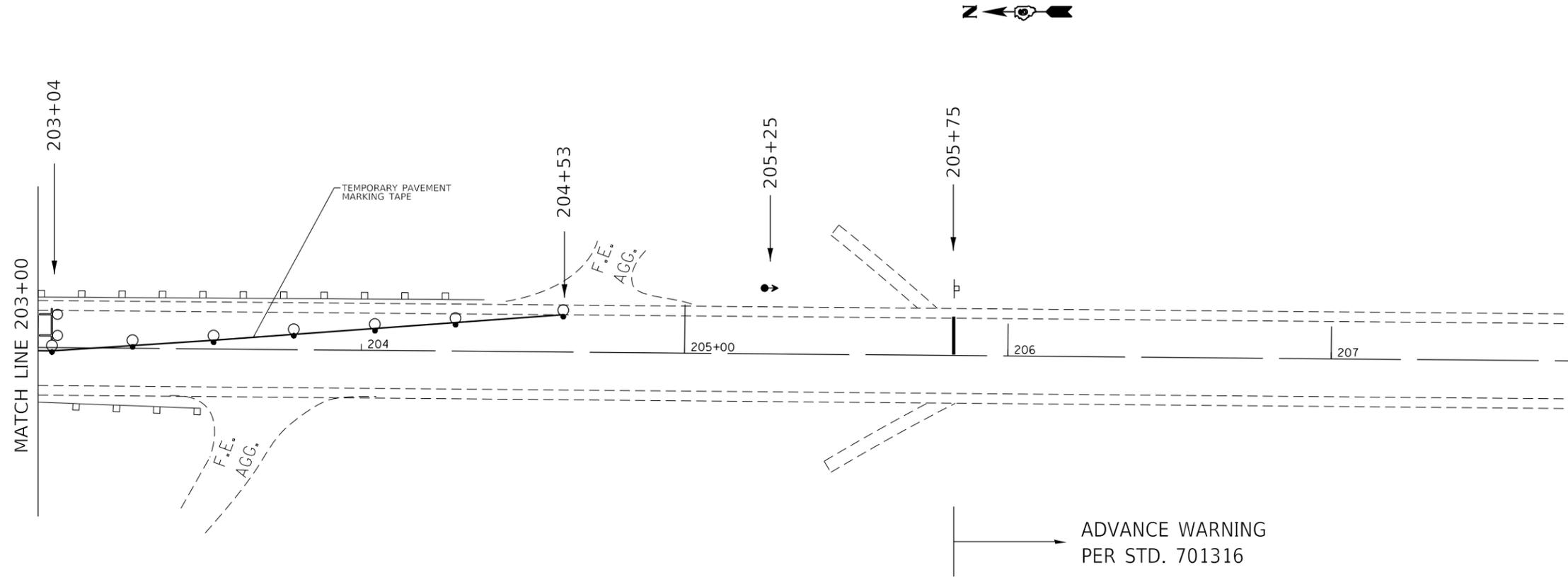
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PLOT DATE = 3/19/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE II TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	(1) BDR, BJR	SCOTT	11	7
CONTRACT NO. 72L75				
ILLINOIS FED. AID PROJECT				



NOTES

TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701316 AND AS SHOWN ON THIS SHEET.

REMOVAL OF EXISTING PAVEMENT MARKINGS WILL NOT BE REQUIRED.

SYMBOLS

-  Work area
-  Sign
-  Traffic signal
-  Drum with steady burn bi-directional light
-  Type III barricade with flashing lights
-  Drum

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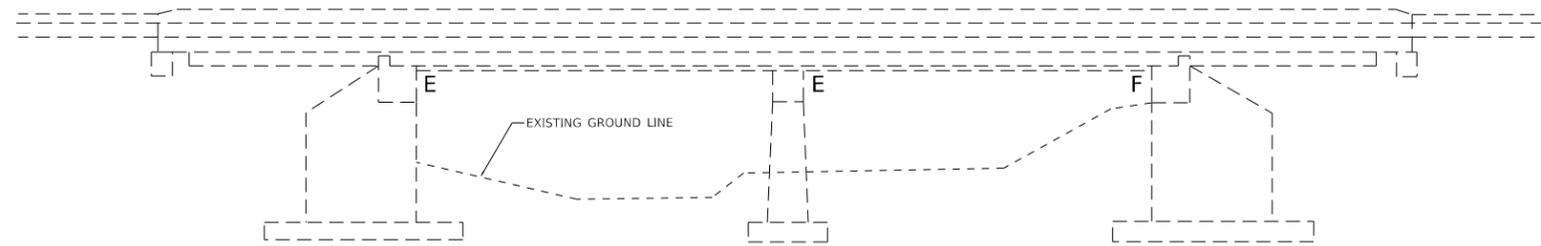
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

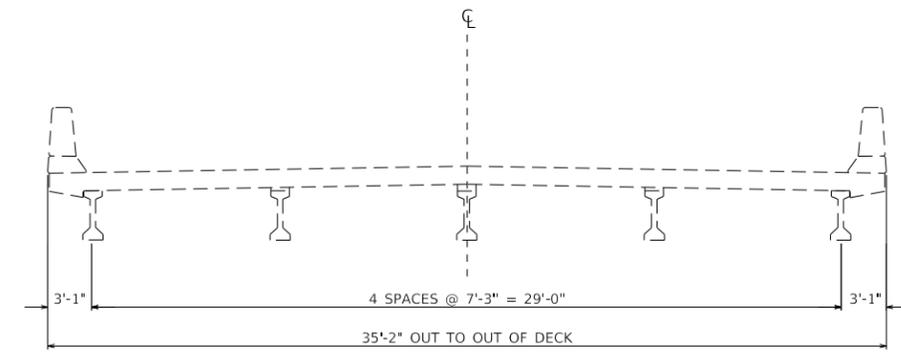
STAGE II TRAFFIC CONTROL

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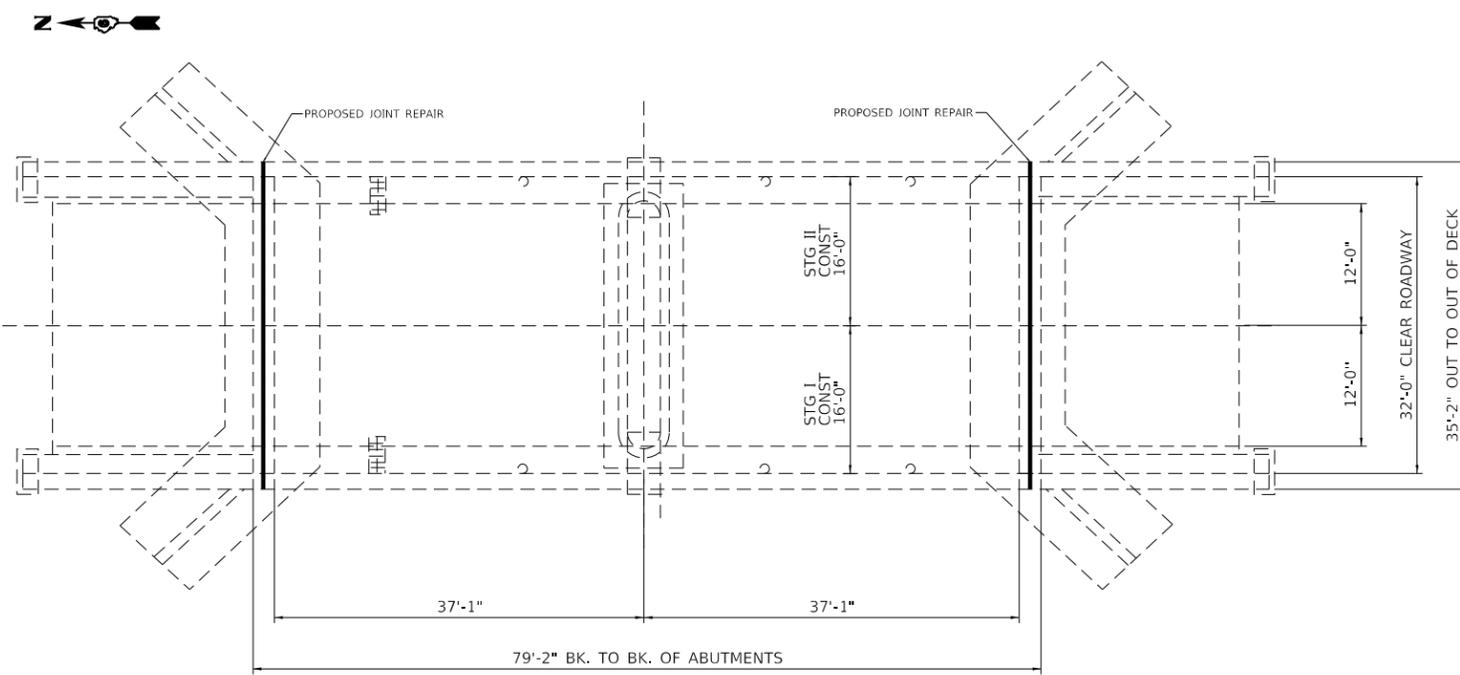
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566	(1) BDR, BJR	SCOTT	11	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L75	



ELEVATION



CROSS SECTION



PLAN



Expires 11-30-2020

David Carl Puzey

5/7/2020

BILL OF MATERIAL - SN. 086-0013		
ITEM	UNIT	TOTAL QUANTITY
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	27
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	5
DECK SLAB REPAIR (PARTIAL DEPTH)	SQ YD	22
STRUCTURAL REPAIR OF CONCRETE	SQ FT	89
JOINT SEALING (PATCHES)	FOOT	686
SILICONE JOINT SEALER, 1.75"	FOOT	34
SILICONE JOINT SEALER, 1"	FOOT	34

- NOTES:
1. 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 MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
 2. THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD AND RECORDED IN THE AS-BUILT PLANS.
 3. ALL PATCHES SHALL BE SEALED AROUND THEIR PERIMETER, INCLUDING SHOULDER REPAIRS.
 4. THE CONTRACTOR SHALL USE EXTREME CARE DURING CONCRETE REMOVAL SO AS NOT TO DAMAGE THE PRECAST CONCRETE BRIDGE APPROACH SLABS.

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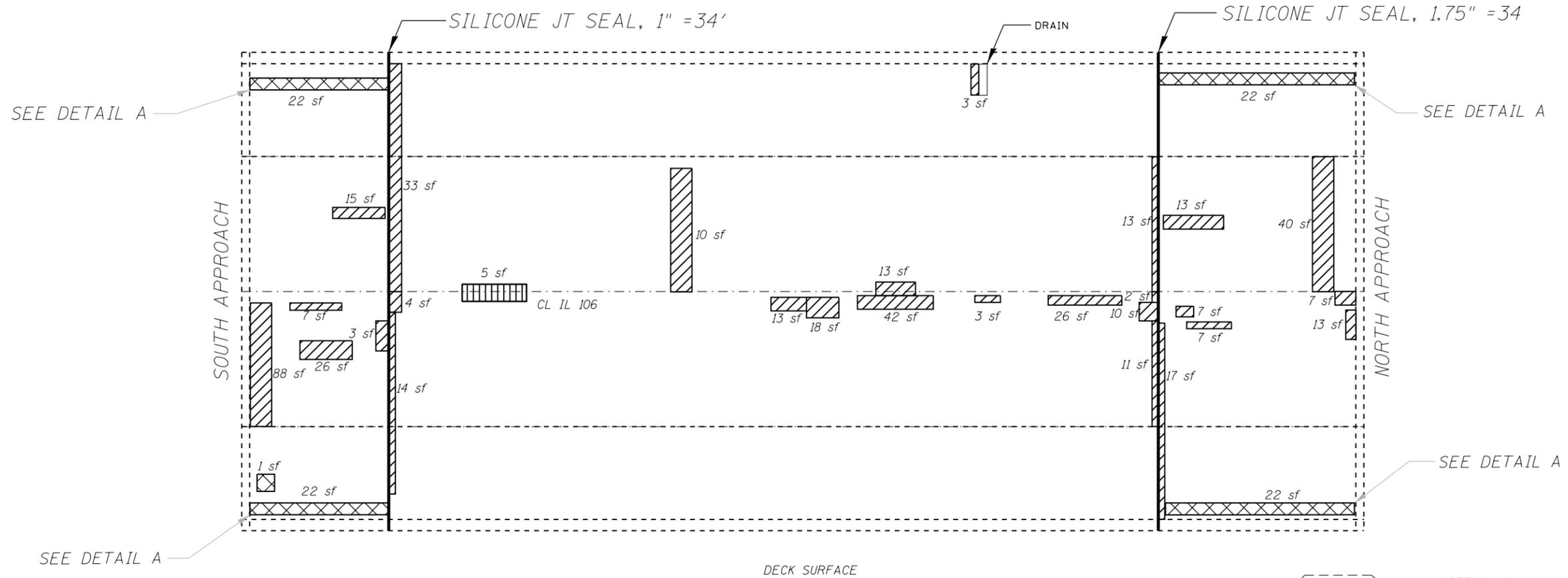
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN & ELEVATION
SN 086-0013**

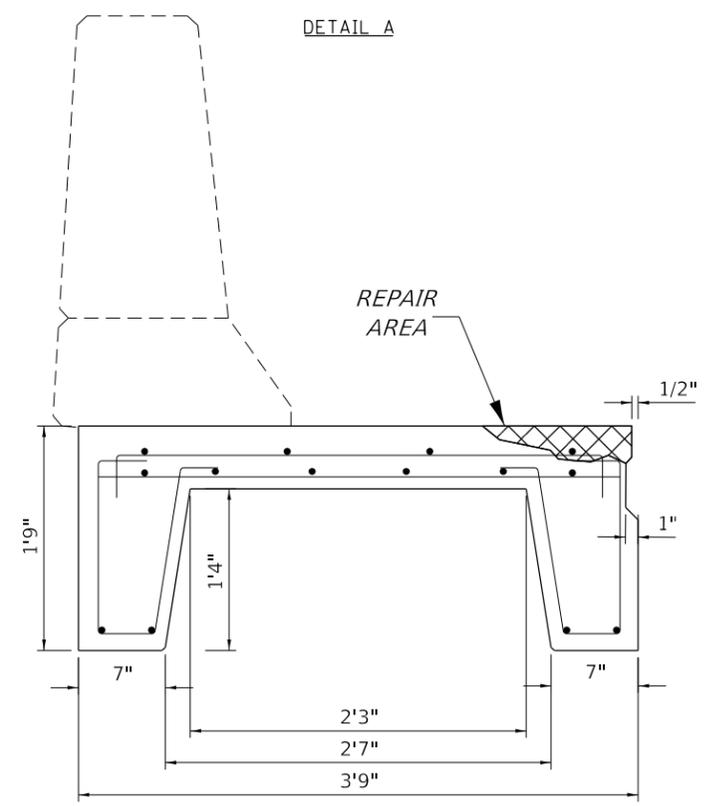
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	(1) BDR, BJR	SCOTT	11	9
			CONTRACT NO. 72L75	
		ILLINOIS	FED. AID PROJECT	



BILL OF MATERIAL - SN. 086-0013		
ITEM	UNIT	TOTAL QUANTITY
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	27
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	5
DECK SLAB REPAIR (PARTIAL DEPTH)	SQ YD	22
STRUCTURAL REPAIR OF CONCRETE	SQ FT	89
JOINT SEALING (PATCHES)	FOOT	686
SILICONE JOINT SEALER, 1.75"	FOOT	34
SILICONE JOINT SEALER, 1"	FOOT	34

- FULL DEPTH PATCHING AREAS
- PARTIAL DEPTH PATCHING AREAS
- STRUCTURAL REPAIR OF CONCRETE < 5"



TYPICAL STRUCTURAL REPAIR OF CONCRETE CROSS SECTION

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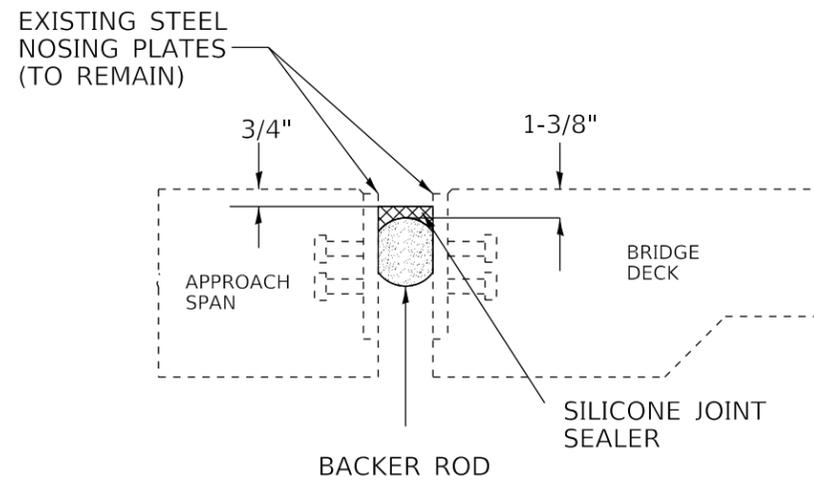
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

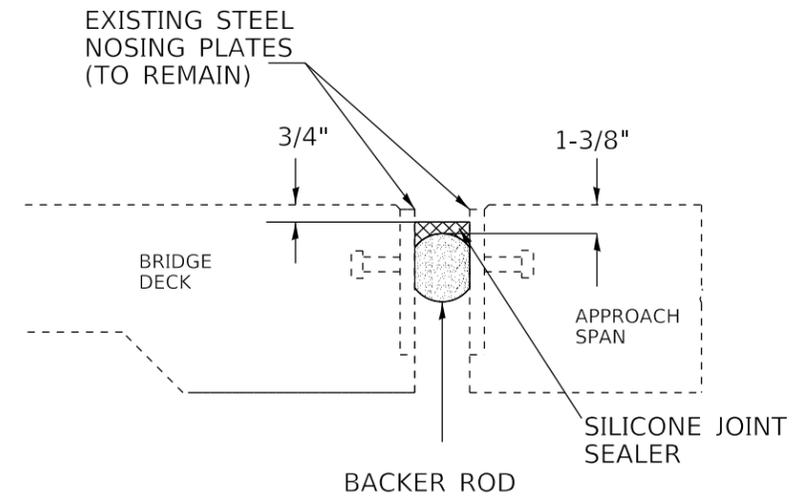
**DECK REPAIR PLAN
SN 086-0013**

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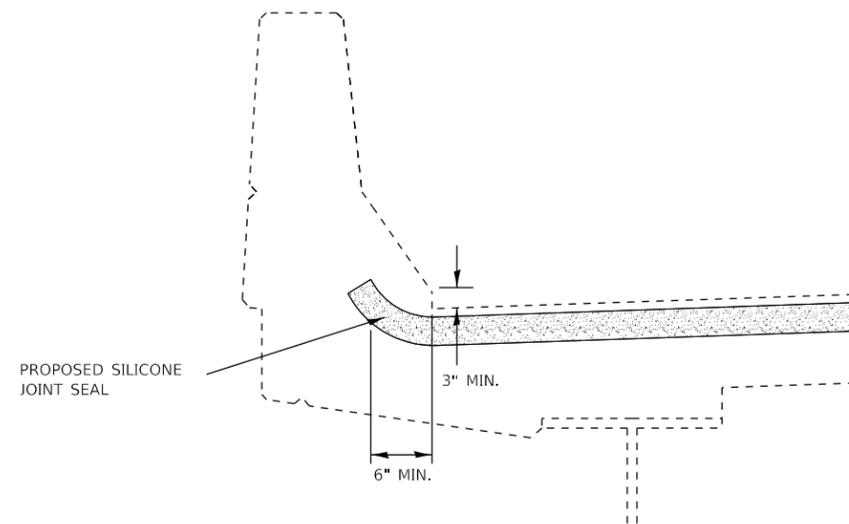
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	(1) BDR, BJR	SCOTT	11	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L75	



NORTH ABUTMENT JOINT CROSS SECTION:
SILICONE JOINT SEALER, 1-3/4"



SOUTH ABUTMENT JOINT CROSS SECTION:
SILICONE JOINT SEALER, 1"



TYPICAL PARAPET CROSS SECTION:
SILICONE JOINT SEALER END TREATMENT

NOTES:

- JOINT WIDTHS SPECIFIED IN PLANS ARE AT 50° F. THE CONTRACTOR SHALL INSTALL BACKER ROD HAVING A DIAMETER 25% GREATER THAN THE JOINT OPENING AT THE TIME OF INSTALLATION.
- THE COST OF REMOVING AND DISPOSING OF EXISTING JOINT SEAL MATERIAL SHALL BE INCLUDED IN THE BID PRICE FOR SILICONE JOINT SEALER.
- FOR CONCRETE REPAIRS ADJACENT TO EXISTING STEEL NOSINGS, THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE EXISTING STUDS ATTACHED TO THE STEEL PLATES. ANY STUDS THAT ARE DAMAGED SHALL BE REPLACED WITH NEW 8" STUDS CONFORMING TO ARTICLE 1006.32, OR ALTERNATE ANCHORING DEVICE APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR REPAIRING ANCHORING STUDS DAMAGED BY THE CONTRACTOR'S ACTIVITIES.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REPAIR DETAILS
SN 086-0013

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	(1) BDR, BJR	SCOTT	11	11
			CONTRACT NO. 72L75	
		ILLINOIS	FED. AID PROJECT	