

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

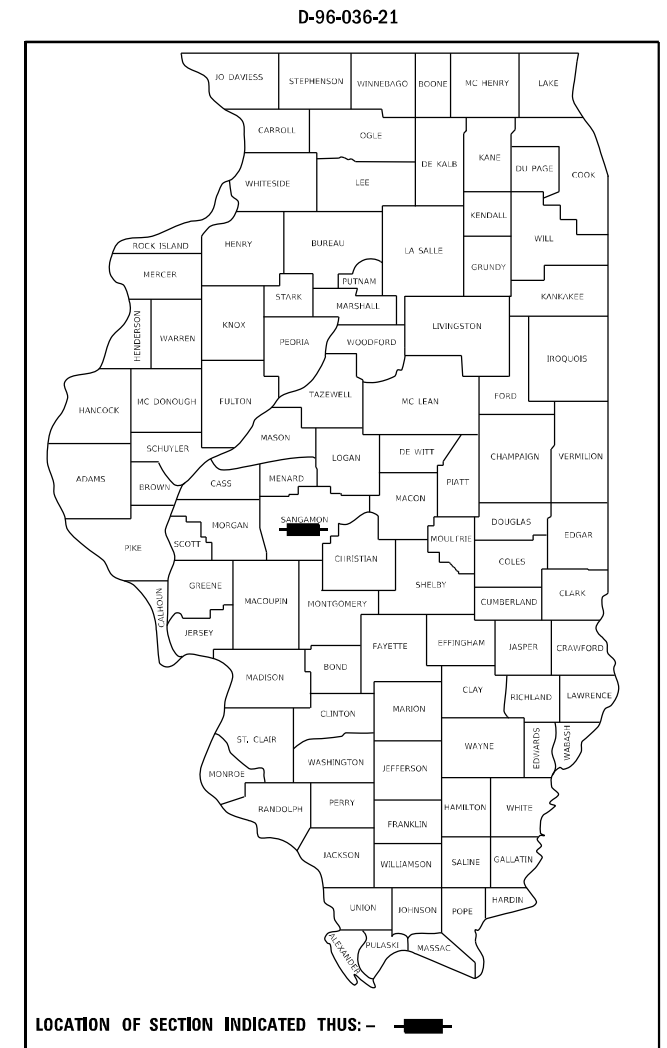
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	(84-2VB-3) BDR	SANGAMON	9	1
		ILLINOIS	CONTRACT NO. 72M85	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

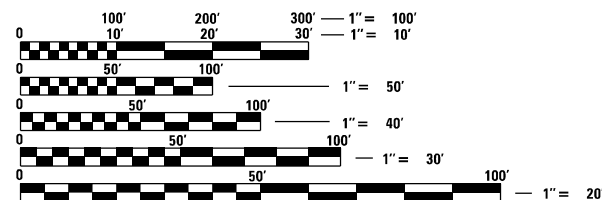
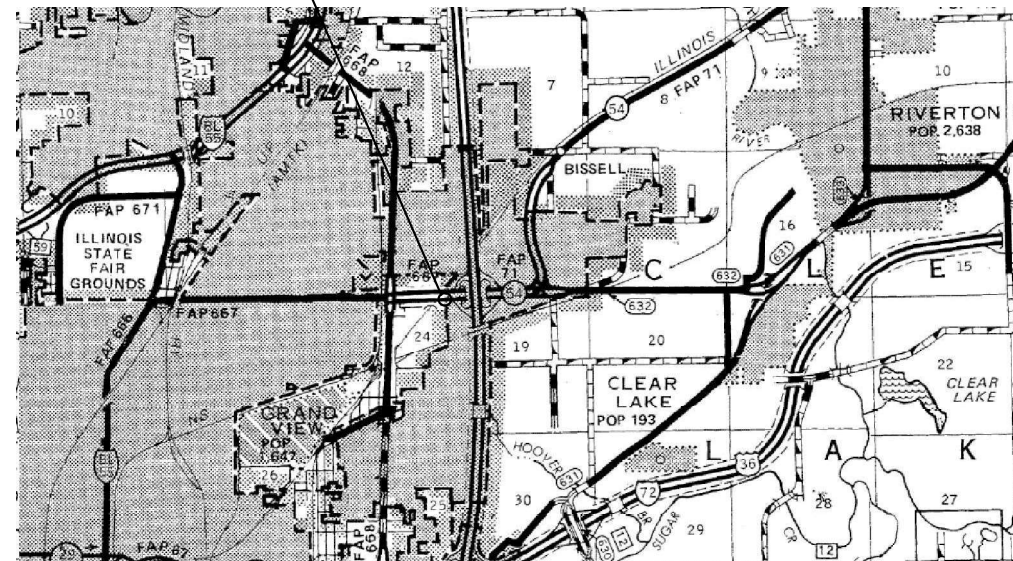
**PROPOSED
CONTRACT MAINTENANCE**

**FAP ROUTE 667 (SANGAMON AVENUE)
SECTION (84-2VB-3) BDR
(STATE ONLY)
BRIDGE DECK REPAIRS
SANGAMON COUNTY**

C-96-107-21



PROJECT LOCATION
SN 084-0510
EB SANGAMON AVE. OVER
ILLINOIS CENTRAL RR
0.25 MI W I-55



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
DESIGNER: MCQUADE JACKSON

GROSS LENGTH = 308 FT. = 0.058 MILE
NET LENGTH = 308 FT. = 0.058 MILE

CONTRACT NO. 72M85

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 25, 20 21

Jeff P. Meyer
REGIONAL ENGINEER

May 7, 2021
Scott A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021
James M. G...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX, STANDARDS, SIGNATURES, & GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 STAGING PLAN
- 5-6 TRAFFIC CONTROL PLAN
- 7-9 SN 084-0510 BRIDGE PLANS

GENERAL NOTES:

AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS ON AS-BUILT PLANS.

STANDARDS

- 000001-08
- 001001-02
- 001006
- 701101-05
- 701106-02
- 701411-09
- 701423-10
- 701901-08
- 704001-08
- 780001-05
- 782006-01

SHOULDER IMPROVEMENT SCHEDULE						
STA	TO	STA	SIDE	BASE COURSE WIDENING 8" (SQ YD)	PAVED SHLDR. REMOVAL (SQ YD)	AGG. SHLDR. TYPE B (TON)
25+00	-	27+63.03	RT	351	351	5
25+00	-	27+63.03	LT	234	234	5
30+10.93	-	31+00	RT	79	79	2
30+10.93	-	32+00	LT	189	189	4
TOTALS				853	853	16

MIXTURE USE(S)	HMA SHOULDER (TOP LIFT)	HMA SHOULDER (BOTTOM LIFT)
AC/PG	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIX COMPOSITION (GRADATION MIXTURE)	IL-9.5	IL-19.0
FRICITION AGGREGATE	Mix "C"	N/A
QUALITY MANAGEMENT	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A

* BASE COURSE PAY ITEM ALLOWS FOR HMA OR PCC USE.

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

EXAMINED March 5 20 21



ENGINEER OF OPERATIONS

EXAMINED March 12 20 21



ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED March 15 20 21



ENGINEER OF PROGRAM DEVELOPMENT

REV. - MS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX, STANDARDS,
GENERAL NOTES, & SIGNATURES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	(84-2VB-3) BDR	SANGAMON	9	2
ILLINOIS FED. AID PROJECT				

0-02176-6003
 SN 084-0510
 100% STATE
 BRIDGE/URBAN
 0047
 SANGAMON

0-02176-6003
 SN 084-0510
 100% STATE
 BRIDGE/URBAN
 0047
 SANGAMON

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE/URBAN 0047 SANGAMON
48102100	AGGREGATE EDGE SHOULDER, TYPE B	TON	16	16
35650300	BASE COURSE WIDENING 8"	SQ YD	853	853
44004250	PAVED SHOULDER REMOVAL	SQ YD	853	853
67100100	MOBILIZATION	L SUM	1	1
70100325	TRAFFIC CONTROL AND PROTECTION, STANDARD 701423	EACH	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1
70107025	CHANGEABLE MESSAGE SIGNS	CAL DAY	40	40
70400100	TEMPORARY CONCRETE BARRIER	FOOT	525	525
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	525	525
70600251	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1
70600352	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	4273	4273
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	1781	1781
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	8	8

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE/URBAN 0047 SANGAMON
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	5	5
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	111	111
Z0032500	JOINT SEALING (PATCHES)	FOOT	1112	1112
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1

* SPECIALTY ITEM

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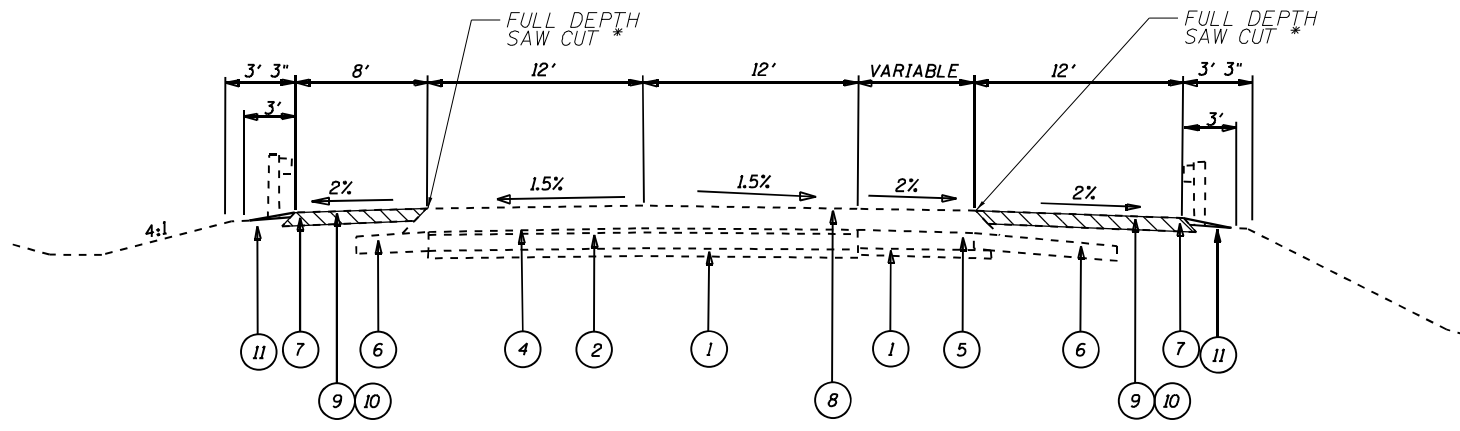
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

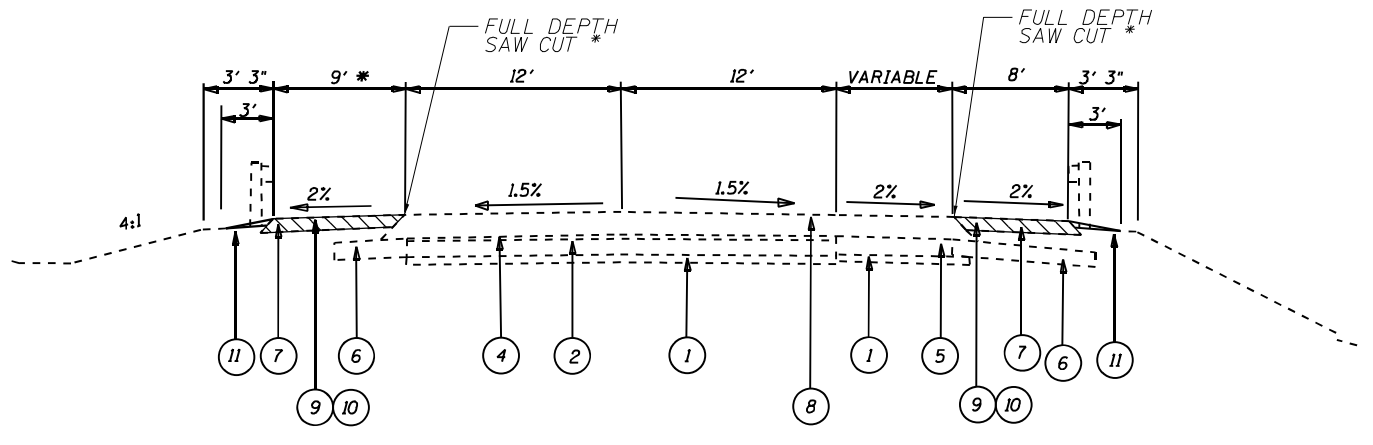
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	(84-2VB-3) BDR	SANGAMON	9	3
			CONTRACT NO. 72M85	
ILLINOIS FED. AID PROJECT				



STA 25+00 TO STA 27+63.03

* A FULL DEPTH SAW CUT SHALL BE PROVIDED ADJACENT TO ALL SHOULDER REMOVAL LOCATIONS, COST INCLUDED IN PAVED SHOULDER REMOVAL.

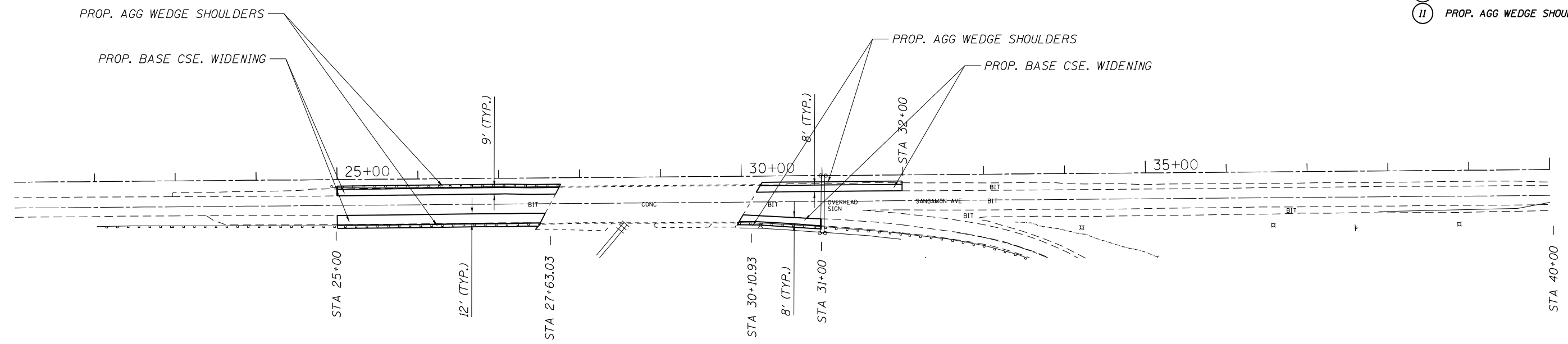


STA 30+10.93 TO STA 31+00 RT
STA 30+10.93 TO STA 32+00 LT

* A FULL DEPTH SAW CUT SHALL BE PROVIDED ADJACENT TO ALL SHOULDER REMOVAL LOCATIONS, COST INCLUDED IN PAVED SHOULDER REMOVAL.
* THE EXISTING TYPICAL SHOWS THE SHOULDER AS BEING 8'



- 1 EXIST. STABILIZED SUBBASE, 4"
- 2 EXIST. PCC PAVEMENT, 9"
- 3 EXIST. PCC PAVEMENT
- 4 EXIST. BITUMINOUS SURFACE
- 5 EXIST. PCC PAVEMENT, 10"
- 6 EXIST. BITUMINOUS SHOULDER
- 7 EXIST. BIT SHOULDERS, 8"
- 8 EXIST. BIT SURFACE, 2"
- 9 PROP. PAVED SHOULDER REMOVAL
- 10 PROP. BASE COURSE WIDENING, 8"
- 11 PROP. AGG WEDGE SHOULDER, TYPE B



ROADWAY PLAN

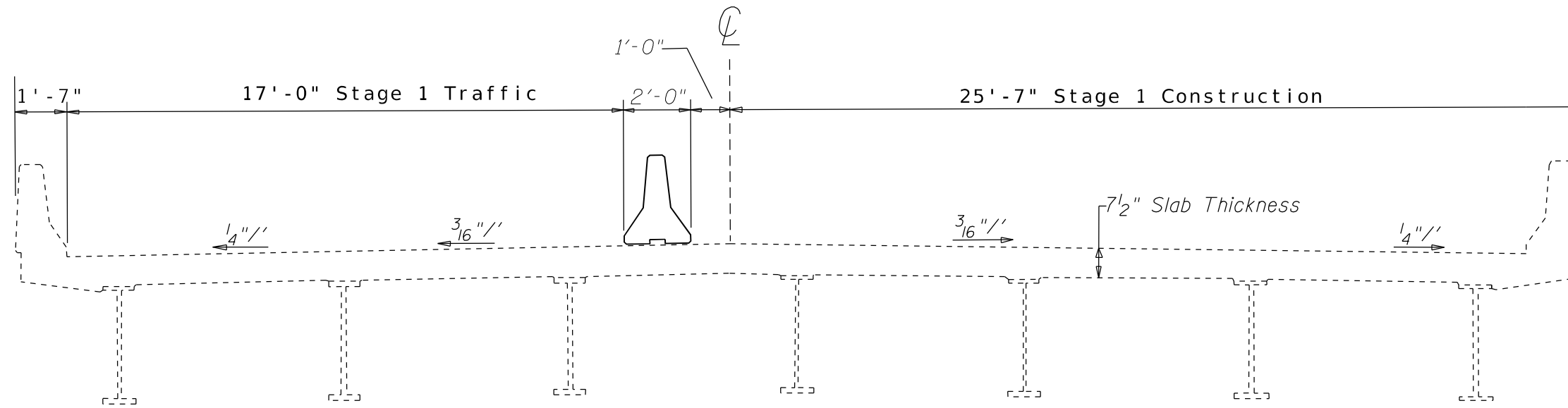
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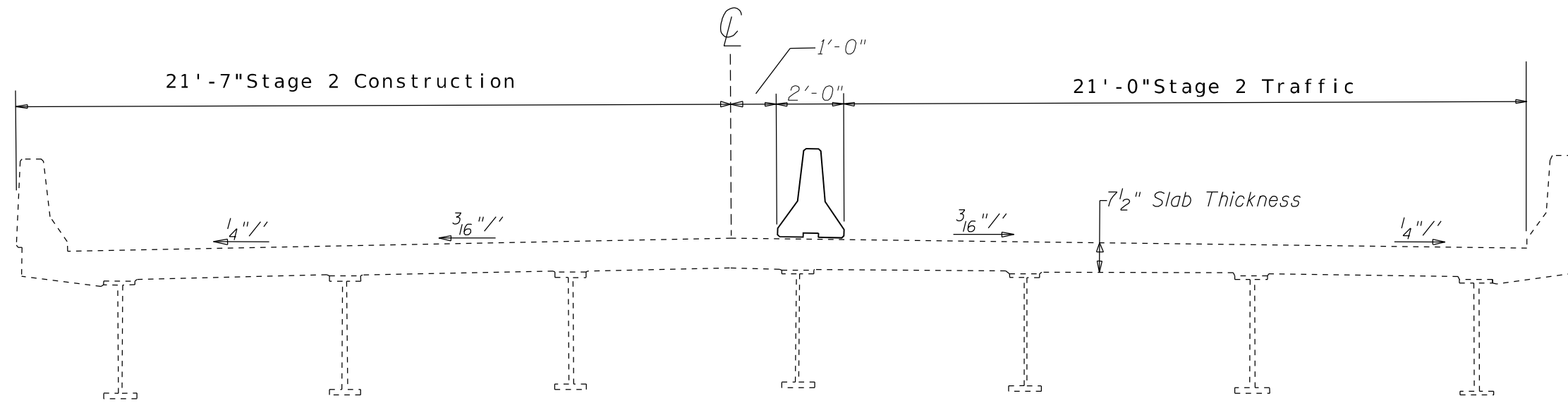
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION & ROADWAY PLAN	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	(84-2VB-3) BDR	SANGAMON	9	4
CONTRACT NO. 72M85				
ILLINOIS FED. AID PROJECT				



STAGE I CROSS SECTION
(Looking East)



STAGE II CROSS SECTION
(Looking East)

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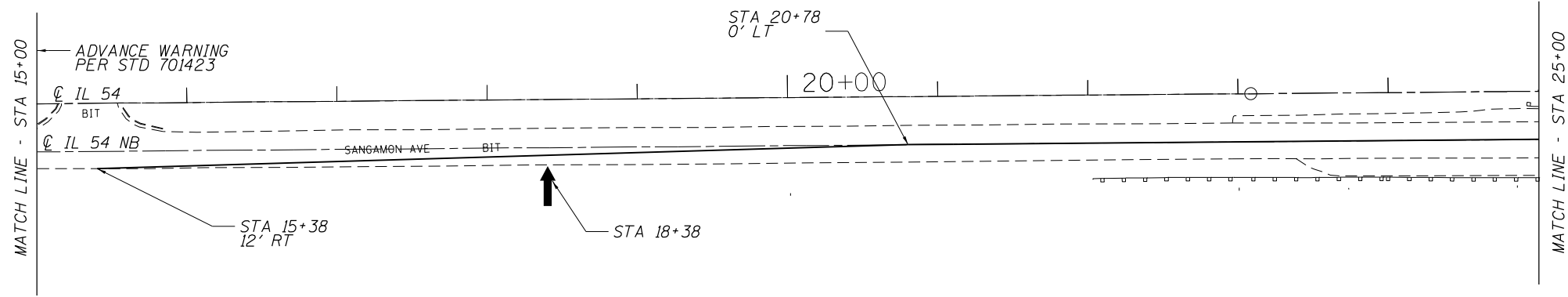
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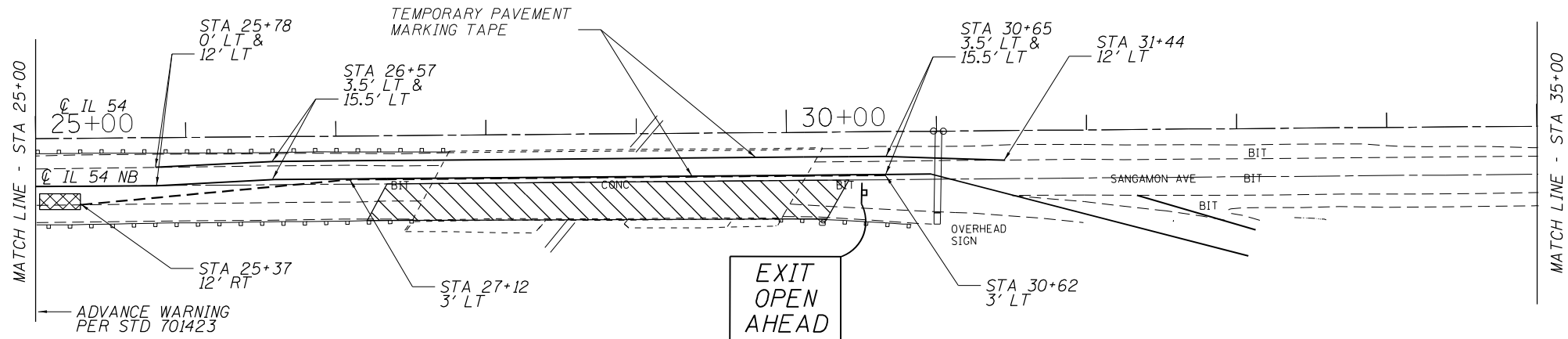
TRAFFIC STAGING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

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CONTRACT NO. 72M85				
ILLINOIS FED. AID PROJECT				



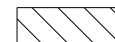



STAGE 1 TRAFFIC CONTROL PLAN



STAGE 1 TRAFFIC CONTROL PLAN

NOTE: SIGN MUST BE SKID MOUNTED TO BE VISIBLE OVER THE BARRIER WALL.

SYMBOLS

-  WORK AREA
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR
-  ARROW BOARD

TRAFFIC CONTROL NOTES:

1. TRAFFIC CONTROL DEVICES NOT SHOWN IN THIS DETAIL SHALL BE PER STANDARD 701423. DEVICES AND TEMPORARY PAVEMENT MARKINGS SHOWN IN THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701423. IMPACT ATTENUATORS, AND TEMPORARY CONCRETE BARRIER SHALL BE PAID SEPARATELY.
2. LEFT AND RIGHT OFFSETS SHOWN SHALL REFER TO DISTANCES FROM THE CENTERLINE OF THE EASTBOUND TRAFFIC LANES, NOT THE IL 54 CENTERLINE.
3. TEMPORARY CONCRETE BARRIER OFFSETS GIVEN IN THIS DETAIL REFER TO THE EDGE OF THE BARRIER NEAREST TO LIVE TRAFFIC. BARRIER WALL TAPERS SHALL BE 12:1 UNLESS OTHERWISE NOTED.

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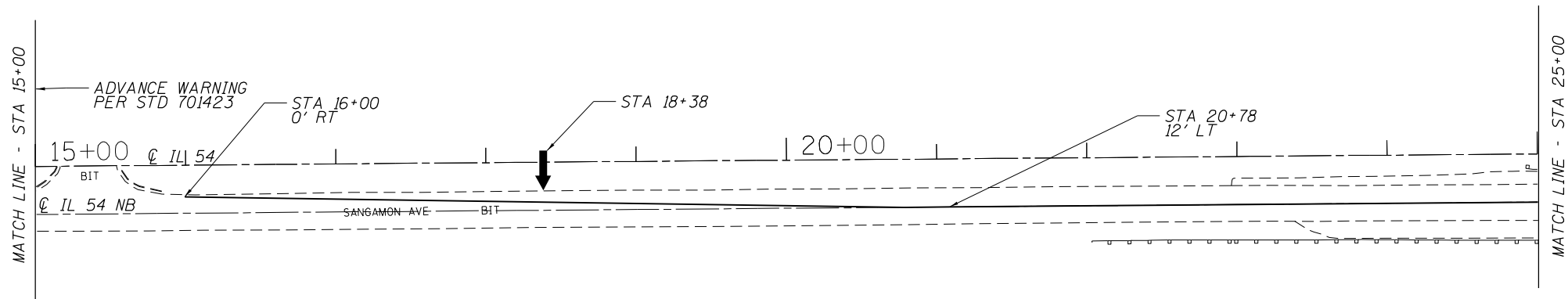
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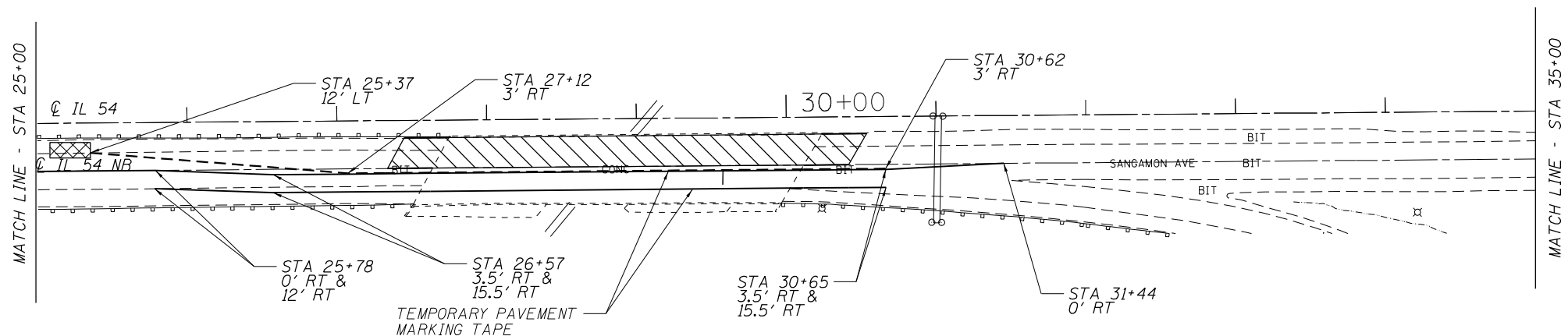
STAGE 1 TRAFFIC CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72M85				
ILLINOIS FED. AID PROJECT				


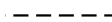
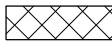



STAGE II TRAFFIC CONTROL PLAN



STAGE II TRAFFIC CONTROL PLAN

SYMBOLS

-  WORK AREA
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR
-  ARROW BOARD

TRAFFIC CONTROL NOTES:

1. TRAFFIC CONTROL DEVICES NOT SHOWN IN THIS DETAIL SHALL BE PER STANDARD 701423. DEVICES AND TEMPORARY PAVEMENT MARKINGS SHOWN IN THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701423. IMPACT ATTENUATORS, AND TEMPORARY CONCRETE BARRIER SHALL BE PAID SEPARATELY.
2. LEFT AND RIGHT OFFSETS SHOWN SHALL REFER TO DISTANCES FROM THE CENTERLINE OF THE EASTBOUND TRAFFIC LANES, NOT THE IL 54 CENTERLINE.
3. TEMPORARY CONCRETE BARRIER OFFSETS GIVEN IN THIS DETAIL REFER TO THE EDGE OF THE BARRIER NEAREST TO LIVE TRAFFIC. BARRIER WALL TAPERS SHALL BE 12:1 UNLESS OTHERWISE NOTED.

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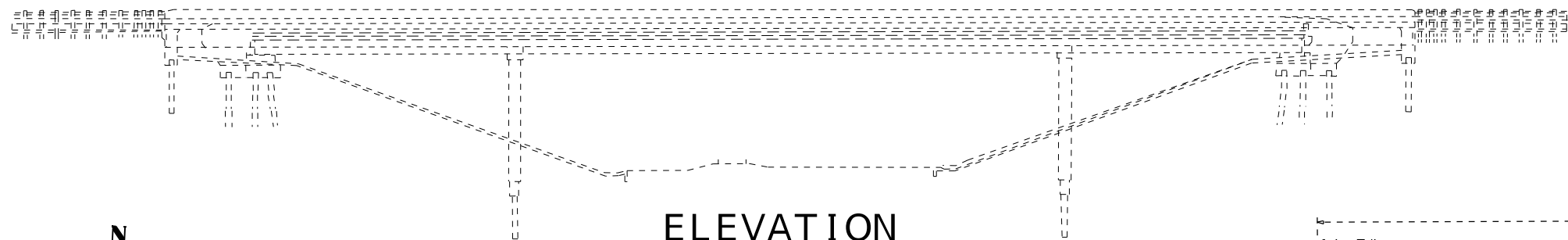
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

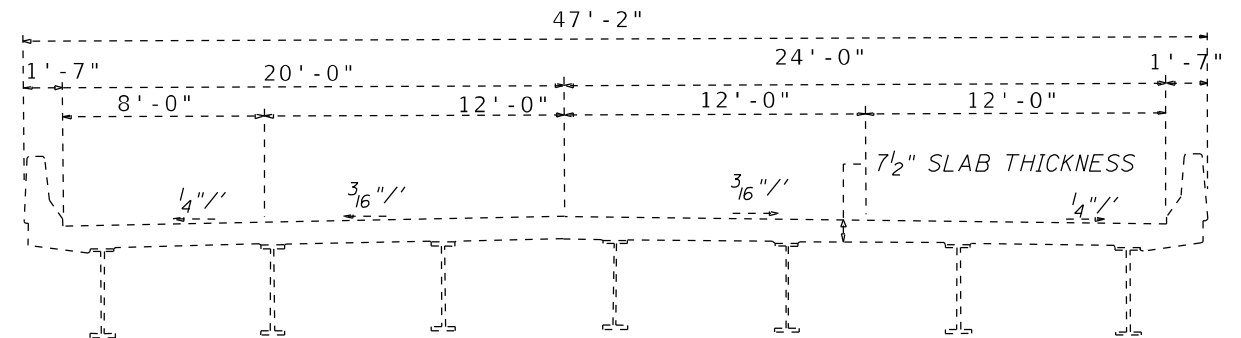
STAGE 2 TRAFFIC CONTROL PLAN

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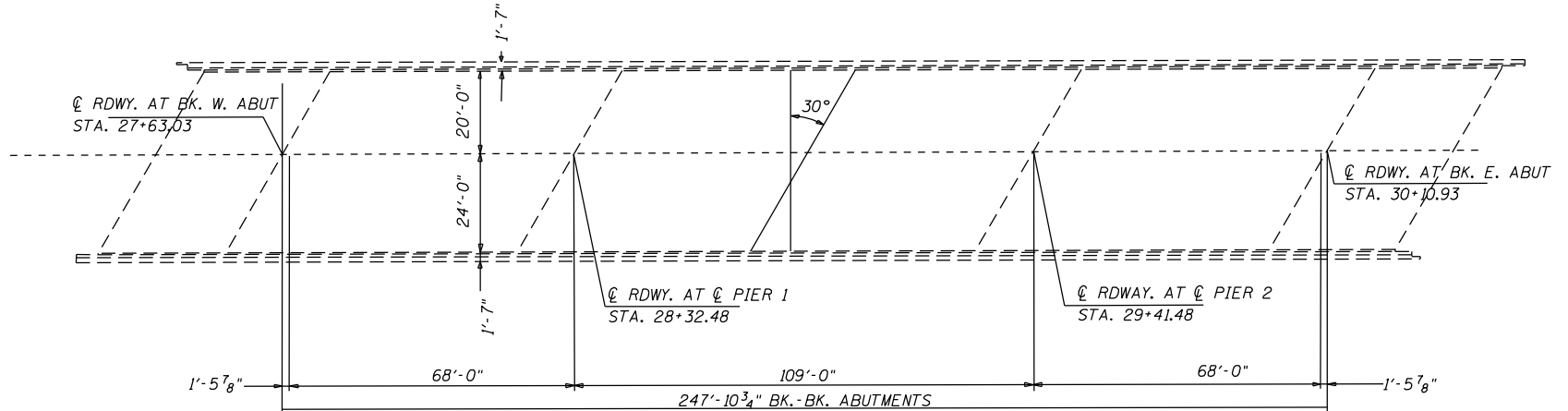
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	(84-2VB-3) BDR	SANGAMON	9	7
CONTRACT NO. 72M85				
ILLINOIS FED. AID PROJECT				



ELEVATION



CROSS SECTION
(LOOKING WEST)



PLAN



Expires 11-30-2022
David Carl Puzev
04/29/2021

TOTAL BILL OF MATERIAL (084-0510)

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	111
Approach Slab Repair (Partial Depth)	Sq. Yd.	8
Deck Slab Repair (Full Depth, Type II) *	Sq. Yd.	5
Joint Sealing (Patches)	FOOT	1112

* No FD patches anticipated, nominal quantity included

STRUCTURE GENERAL NOTES:

PRIOR TO POURING THE NEW CONCRETE PATCHES, ALL HEAVY OR 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 CONCRETE REMOVAL.

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

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED, AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

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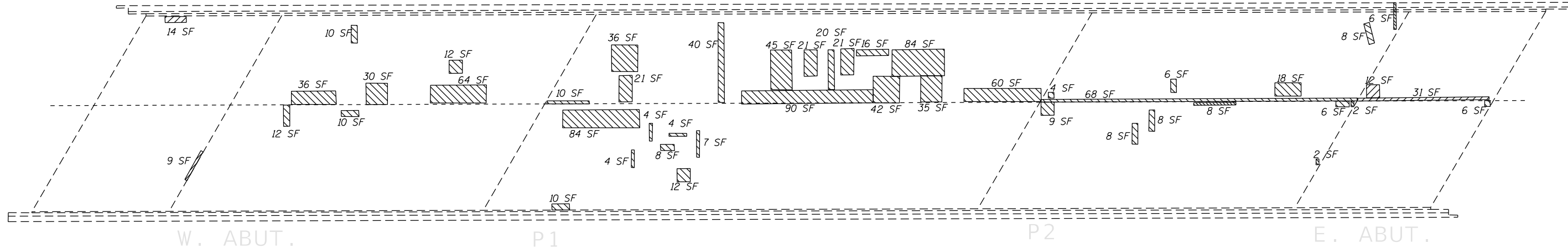
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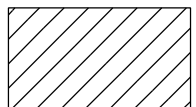
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

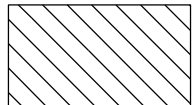
PLAN & ELEVATION
SN 084-0510

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	(84-2VB-3) BDR	SANGAMON	9	8
CONTRACT NO. 72M85				
ILLINOIS			FED. AID PROJECT	




APPROACH SLAB REPAIR (PARTIAL DEPTH)


DECK SLAB REPAIR (PARTIAL)

PATCHING BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	111
Approach Slab Repair (Partial Depth)	Sq. Yd.	8
Deck Slab Repair (Full Depth, Type II) *	Sq. Yd.	5
Joint Sealing (Patches)	FOOT	1112

* No FD patches anticipated, nominal quantity included

NOTE:

AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PATCHING PLAN	
SN 084-0510	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	(84-2VB-3) BDR	SANGAMON	9	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72M85	