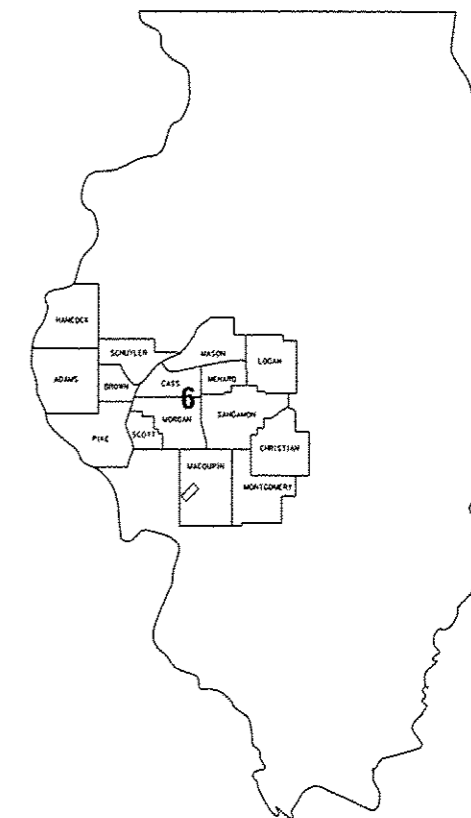


FOR INDEX OF SHEETS AND HIGHWAY STANDARDS, SEE SHEET 2.

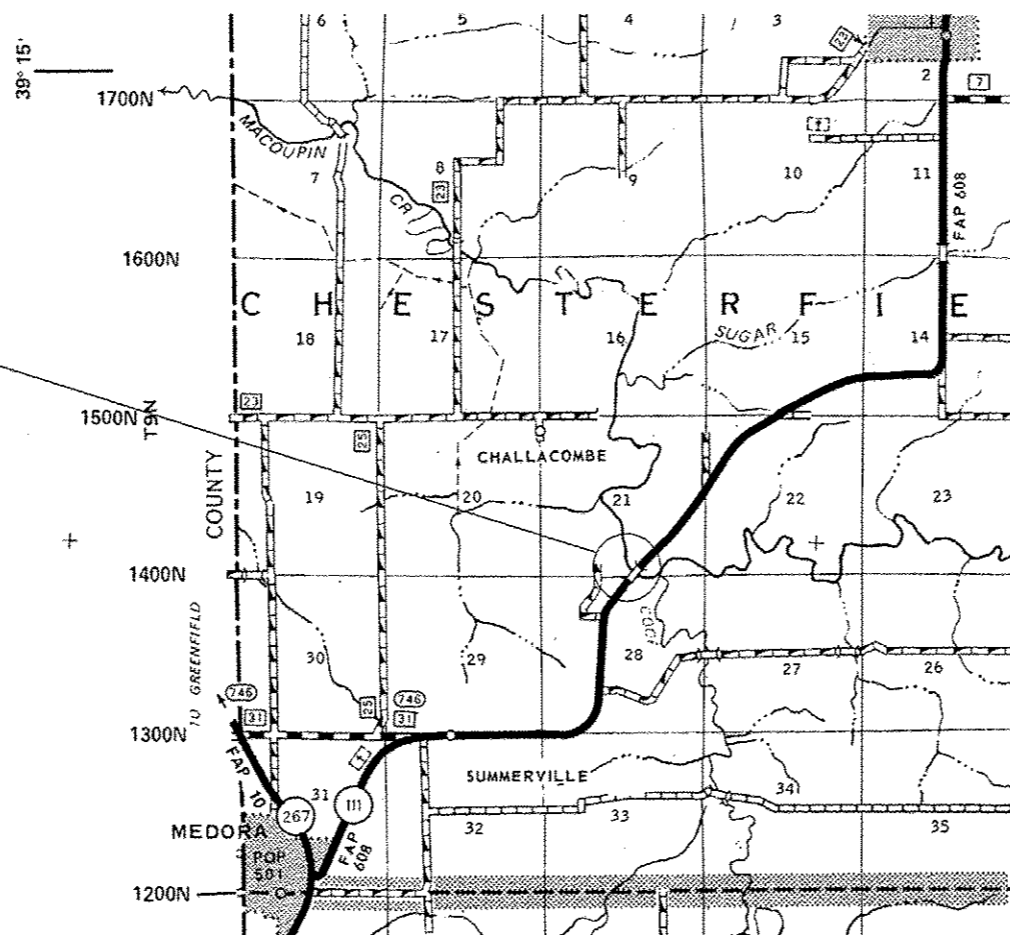
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED  
CONTRACT MAINTENANCE  
FAP ROUTE 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY  
C96-082-12/ D96-082-12**



LOCATION OF SECTION INDICATED THUS:

PROJECT LOCATION  
SN 059-0016



NET LENGTH OF SECTION: 962 FT = 0.18 MILE

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

BRIDGE MAINTENANCE ENGINEER: STEVE BERAN  
PHONE: (217) 785-9290  
BRIDGE INSPECTION ENGINEER: DAVE COPENBARGER  
PHONE: (217) 785-5306

**CONTRACT NO. 72F64**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED August 13 20 12

R. J. Z. Smith  
DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER

October 5 20 12

John D. Baranelli PE/LE  
acting ENGINEER OF DESIGN AND ENVIRONMENT

October 5 20 12

William R. Frey/LE  
acting DIRECTOR, DIVISION OF HIGHWAYS

INDEX OF SHEETS

1	COVER SHEET
2	INDEX, STANDARDS, SIGNATURES, AND GENERAL NOTES
3-4	QUANTITIES
5-6	TYPICAL SECTIONS
7	ROADWAY PLAN
8	TRAFFIC STAGING DETAIL
9	WIDTH RESTRICTION SIGNING DETAIL
10-19	BRIDGE DETAILS

STANDARDS

701001-02
701006-03
701201-04
701301-04
701321-12
701326-04
701901-02
704001-07

GENERAL NOTES:

ALL STRUCTURAL STEEL SHALL BE AASHTO M-270 GRADE 36

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

PRIOR TO POURING THE NEW CONCRETE DECK, 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.

JOINT OPENINGS SHALL BE ADJUSTED ACCORDING TO ARTICLE 520.04 OF THE STANDARD SPECIFICATIONS WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER THAN 50°F.

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

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

MIXTURE USE(S)	HMA BASE CSE WIDENING	HMA SURFACE CSE
AC/PG	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIX COMPOSITION (GRADATION MIXTURE)	IL 19.0	IL 9.5 OR 12.5
FRICTION AGGREGATE	N/A	MIX "C"

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6</b>	
EXAMINED <u>July 26</u> 20 <u>12</u>	
<u>William M. Boyer</u>	ENGINEER OF OPERATIONS
EXAMINED <u>Aug 3</u> 20 <u>12</u>	
<u>Tommy F. [Signature]</u>	ENGINEER OF PROJECT IMPLEMENTATION
EXAMINED <u>August 6</u> 20 <u>12</u>	
<u>ARULI</u>	ENGINEER OF PROGRAM DEVELOPMENT

INDEX, STDS, & GENERAL NOTES  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY

S U M M A R Y O F Q U A N T I T I E S

CODE NO.	ITEM	UNIT	100% State
			0014
			TOTAL QTY
20200500	EARTH EXCAVATION (WIDENING)	CU YD	117
35650400	BASE COURSE WIDENING, 9"	SQ YD	467
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.5
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	356
40600990	TEMPORARY RAMP	SQ YD	85
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	104
48101200	AGGREGATE SHOULDERS, TYPE B	TON	24
50102400	CONCRETE REMOVAL	CU YD	20
50300255	CONCRETE SUPERSTRUCTURE	CU YD	22
50300260	BRIDGE DECK GROOVING	SQ YD	2380
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3160
50800515	BAR SPLICERS	EACH	59
52000110	PREFORMED JOINT STRIP SEAL	FOOT	150
63301215	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL, TYPE B	FOOT	25
63301235	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	25

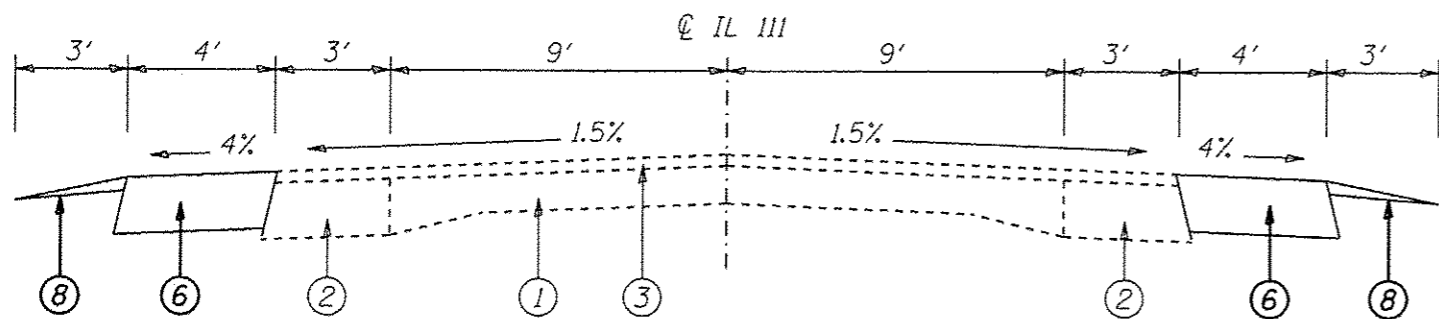
QUANTITIES  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY

S U M M A R Y O F Q U A N T I T I E S

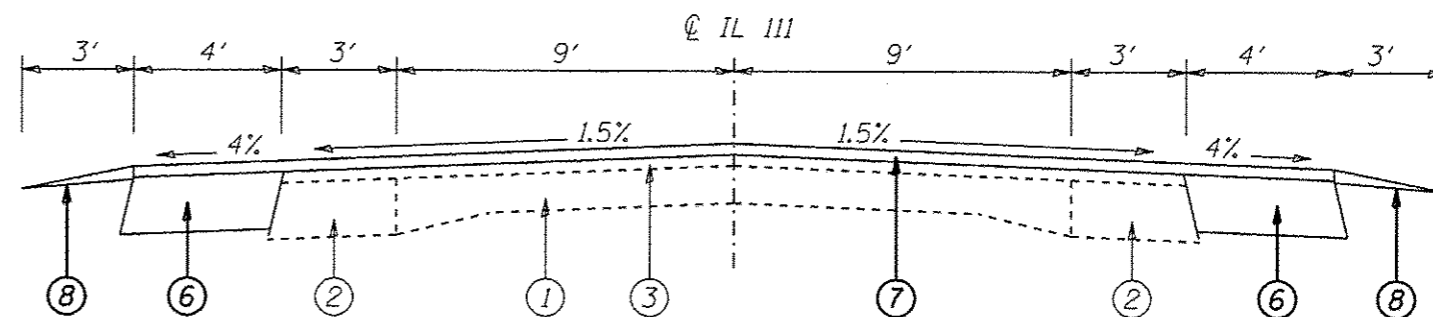
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			0014
			TOTAL QTY
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6
67100100	MOBILIZATION	L SUM	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5
70106500	TEMPORARY BRIDGE TRAFFIC SIGNAL	EACH	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	8
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1050
70300100	SHORT TERM PAVEMENT MARKING	FOOT	97
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	32
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1050
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	1263
78300100	PAVEMENT MARKING REMOVAL	SQ FT	738
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	10
Z0041895	POLYMER CONCRETE	CU FT	3.0
* X7200201	WIDTH RESTRICTION SIGNING	L SUM	1
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	3
Z0012130	BRIDGE DECK SCARIFICATION, 3/4"	SQ YD	2486
Z0012164	BRIDGE DECK MICROSILICA CONCRETE OVERLAY, 2-1/2"	SQ YD	2486
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	121
* Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2
* Z0030332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE NARROW), TEST LEVEL 3	EACH	2

\* SPECIALTY ITEM

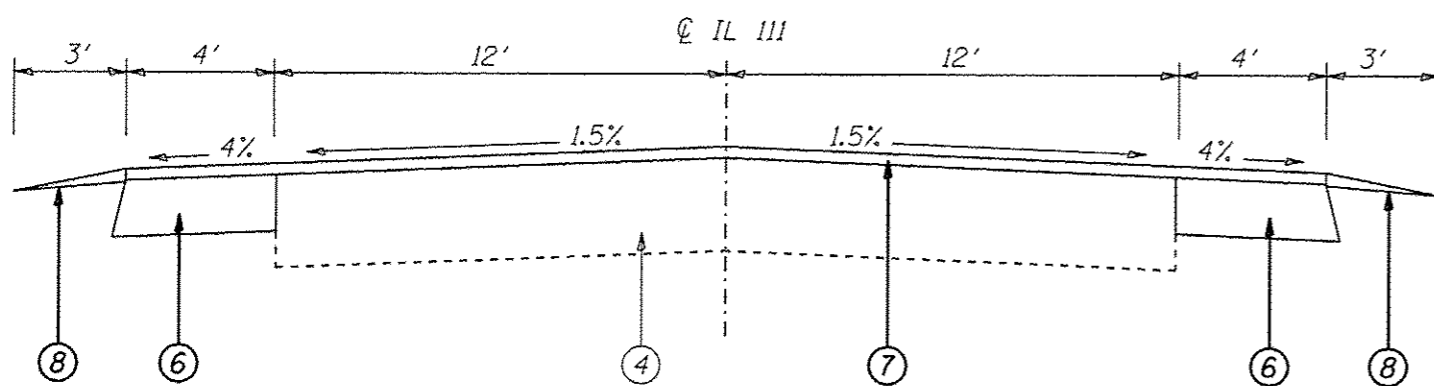
QUANTITIES  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY



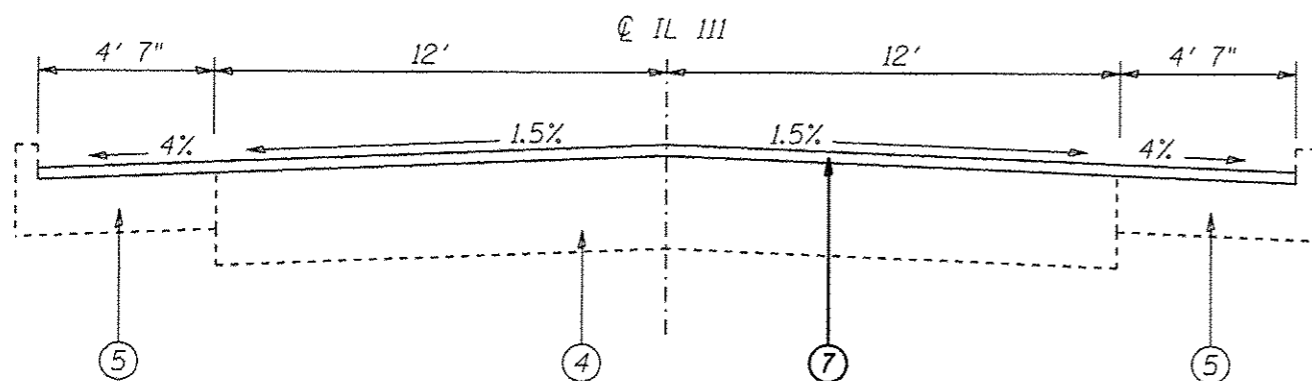
STA 1356+16.67 TO STA 1357+41.67  
STA 1367+54.50 TO STA 1368+79.50



STA 1357+41.67 TO STA 1358+71.67  
STA 1366+24.50 TO STA 1367+54.50



STA 1358+71.67 TO STA 1358+79.17  
STA 1366+16.50 TO STA 1366+24.50

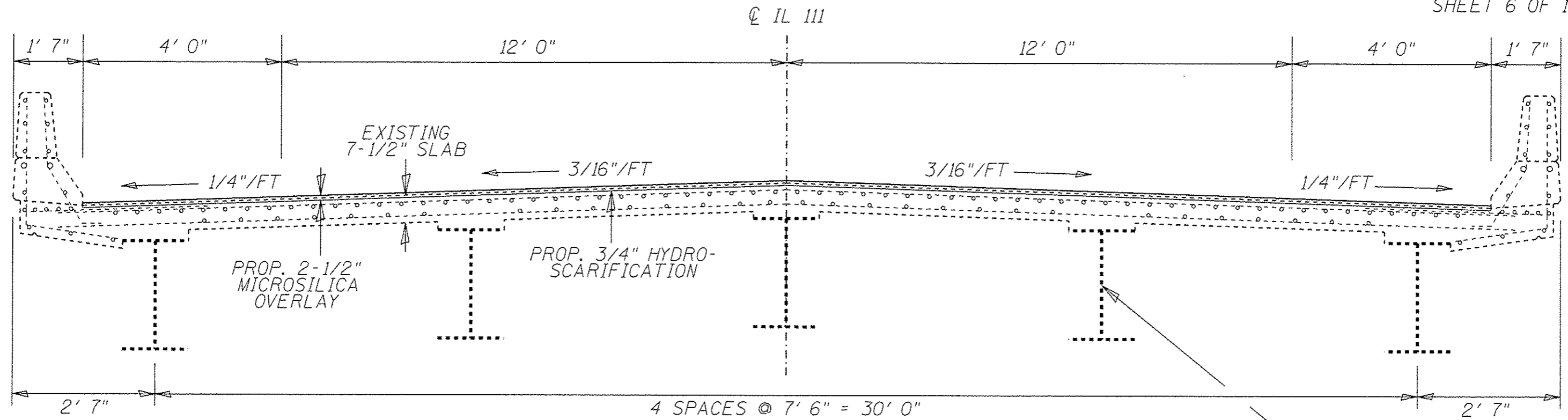


STA 1358+79.17 TO STA 1358+91.17  
STA 1366+05.25 TO STA 1366+16.50

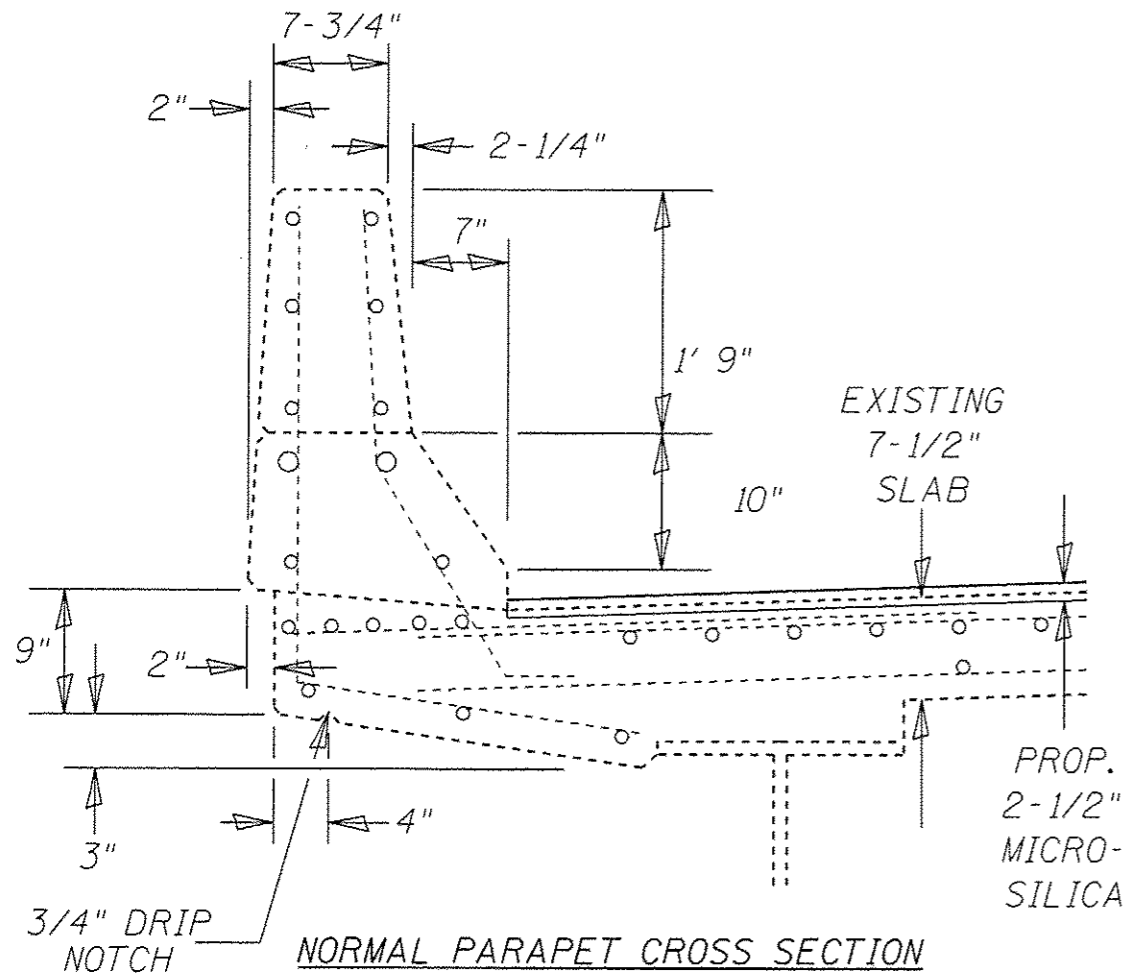
- ① EXISTING PCC PAVEMENT (9-6-9)
- ② EXISTING HMA BASE COURSE WIDENING (9")
- ③ EXISTING HMA BINDER AND SURFACE OVERLAY (VARIABLE DEPTH)
- ④ EXISTING PCC BRIDGE APPROACH PAVEMENT (13")
- ⑤ EXISTING PCC BRIDGE APPROACH SHOULDER (10")
- ⑥ PROPOSED BASE COURSE WIDENING (9")
- ⑦ PROPOSED HMA SURFACE COURSE (1-3/4")
- ⑧ PROPOSED AGGRAGATE SHOULDERS - TYPE B

STA 1358+91.17 TO STA 1366+05.25 = SN 059-0016

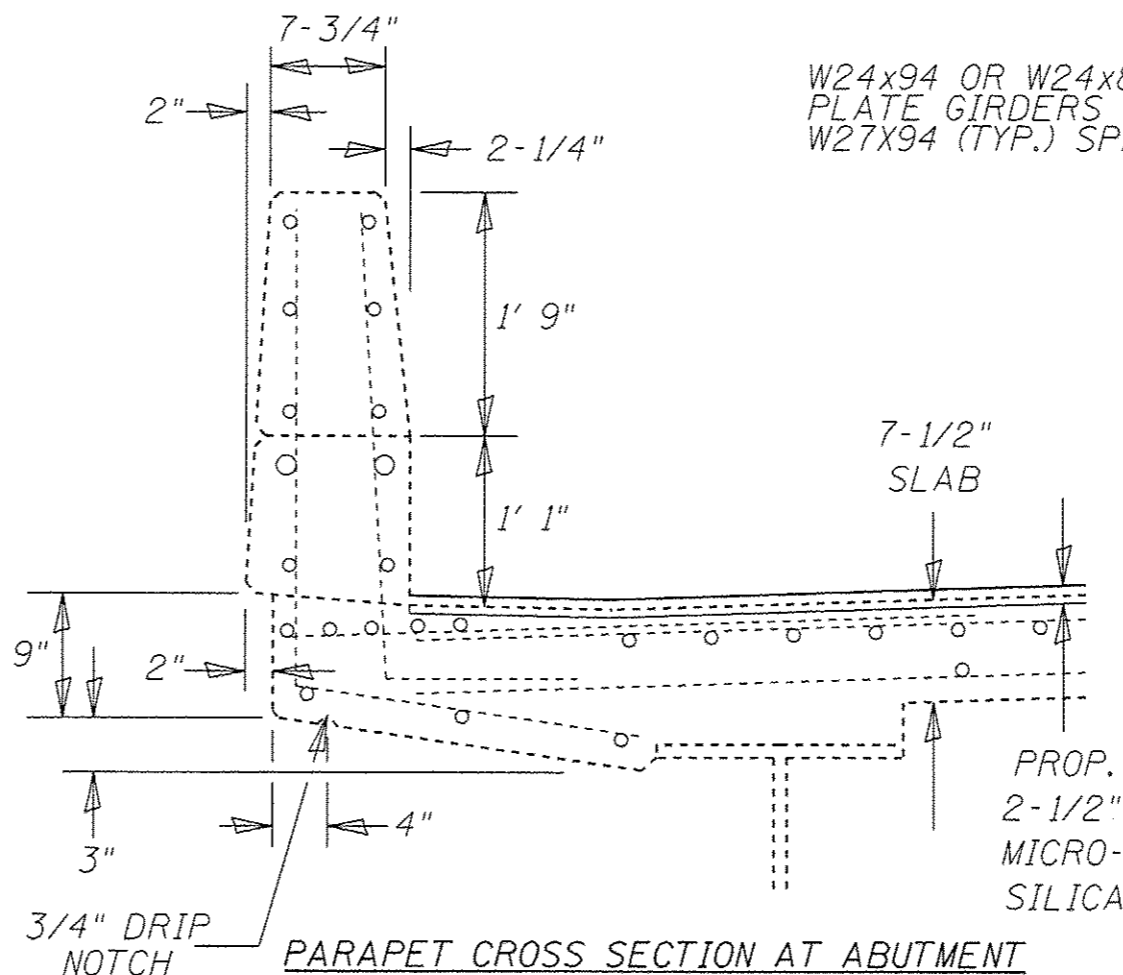
TYPICAL SECTIONS  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY



TYPICAL BRIDGE CROSS SECTION



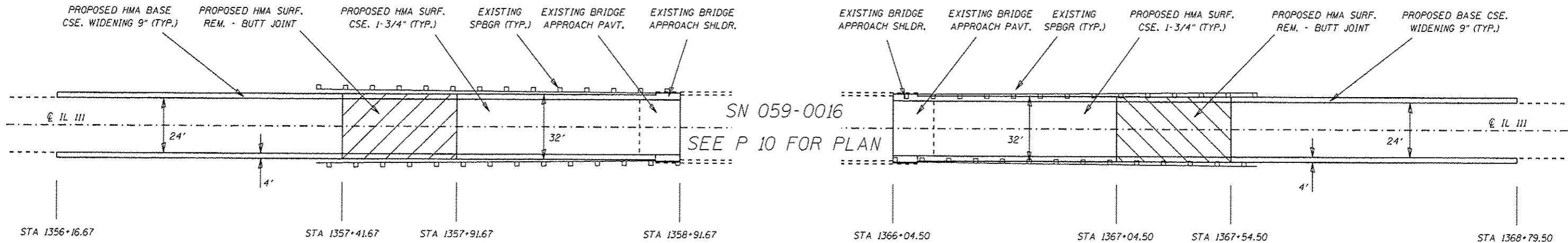
NORMAL PARAPET CROSS SECTION



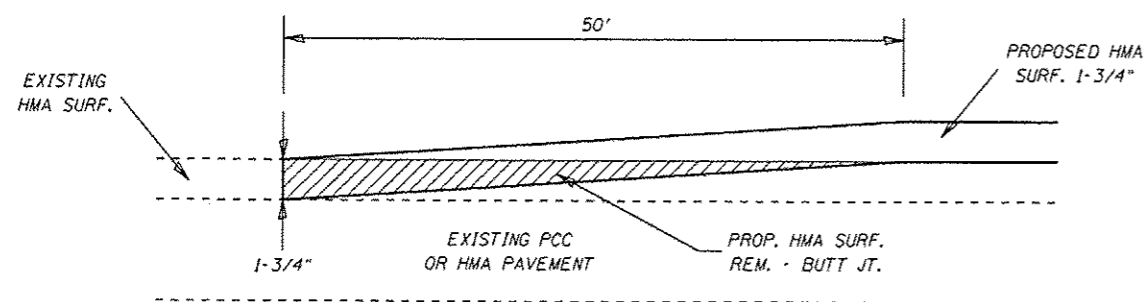
PARAPET CROSS SECTION AT ABUTMENT

W24x94 OR W24x84 (TYP.) SPANS 1-12  
PLATE GIRDERS - 63" WEB, 16" FLANGE (TYP.) SPAN 13  
W27x94 (TYP.) SPAN 14

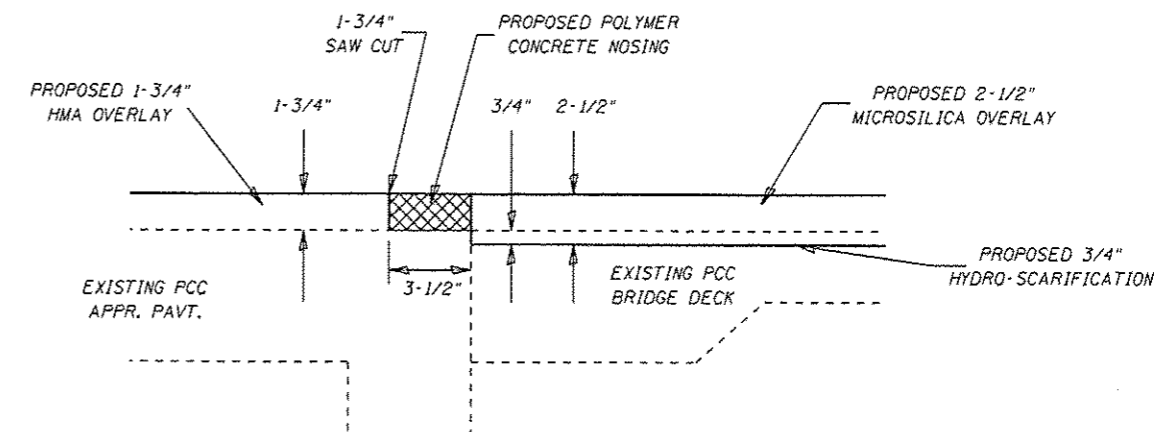
BRIDGE CROSS SECTIONS  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY



PLAN



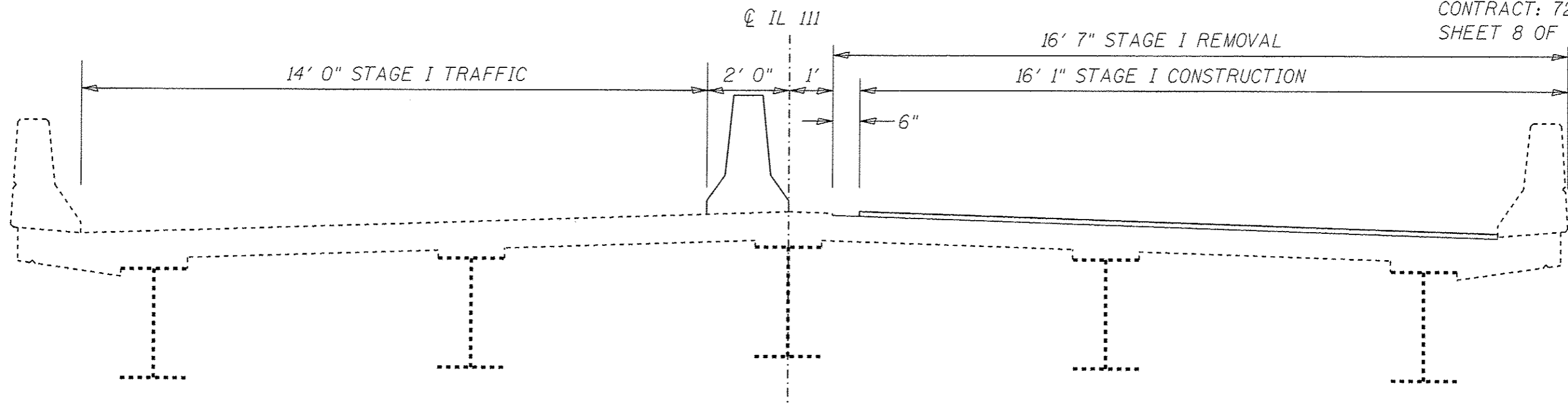
BUTT JOINT ELEVATION



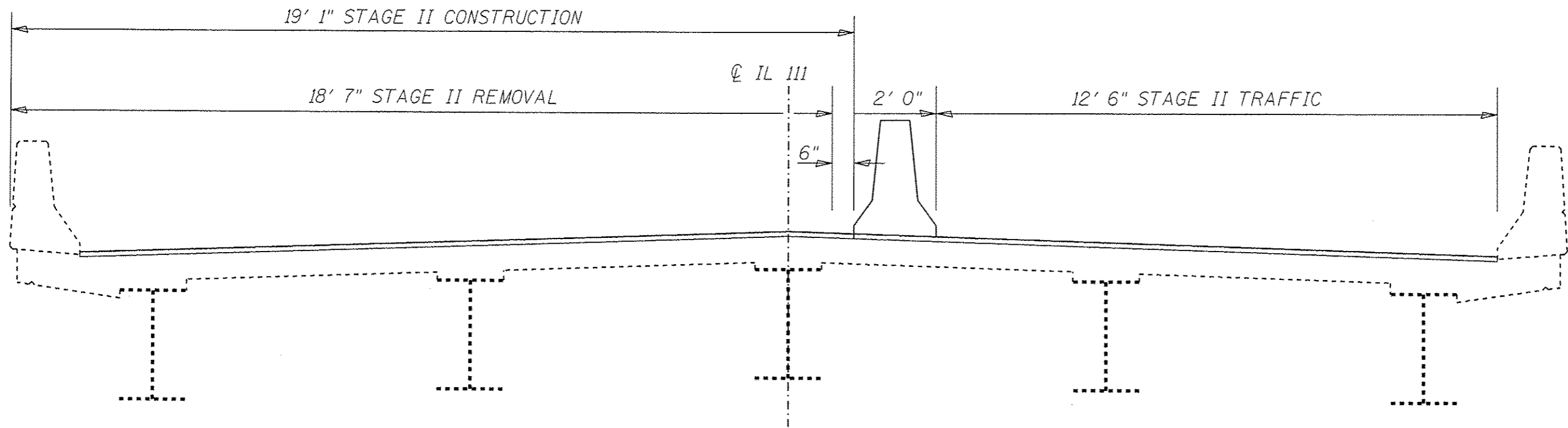
TYPICAL ABUTMENT ELEVATION

NOTE: THE HMA SURFACE SHALL BE LAID UP TO THE PROPOSED MICROSILICA OVERLAY. THE PROPOSED POLYMER CONCRETE NOSING SHALL BE INSTALLED AFTERWARDS. THE COST OF SAWING AND REMOVING THE HMA SURFACE IN THIS AREA SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR POLYMER CONCRETE.

ROADWAY PLAN  
 FAP 608 (IL 111)  
 SECTION (126)I-1  
 MACOUPIN COUNTY



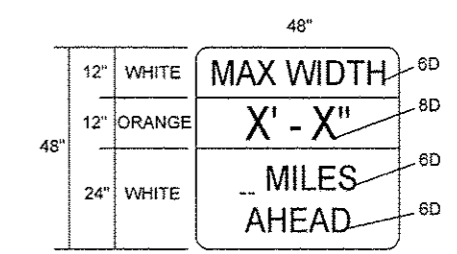
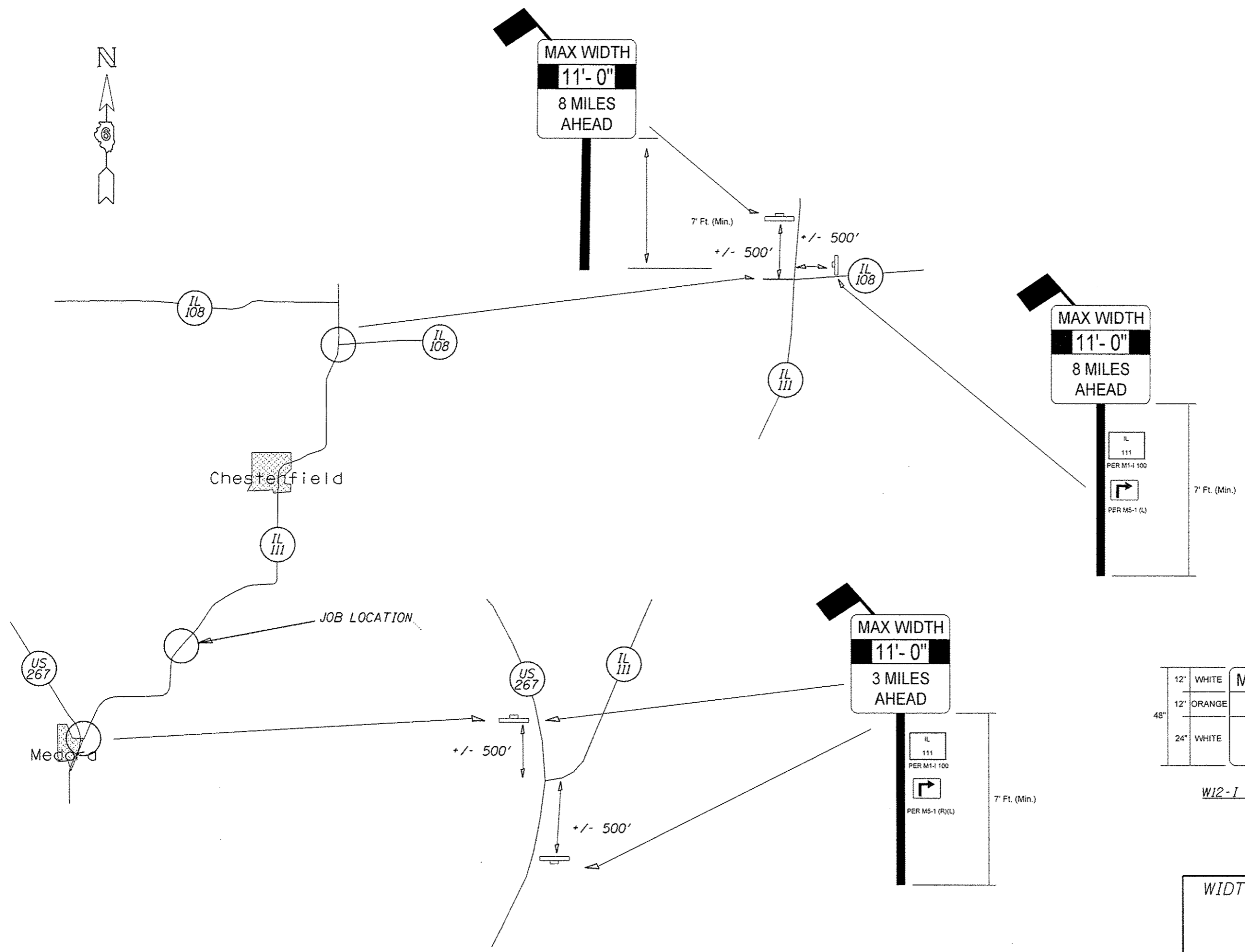
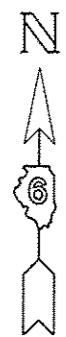
STAGE I CROSS SECTION (LOOKING SOUTH)



STAGE II CROSS SECTION (LOOKING SOUTH)

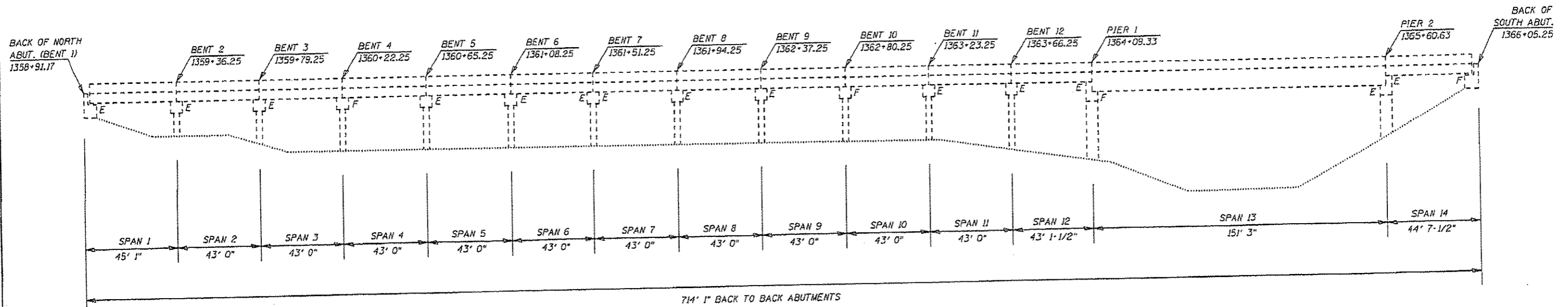
STAGING DETAIL  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY



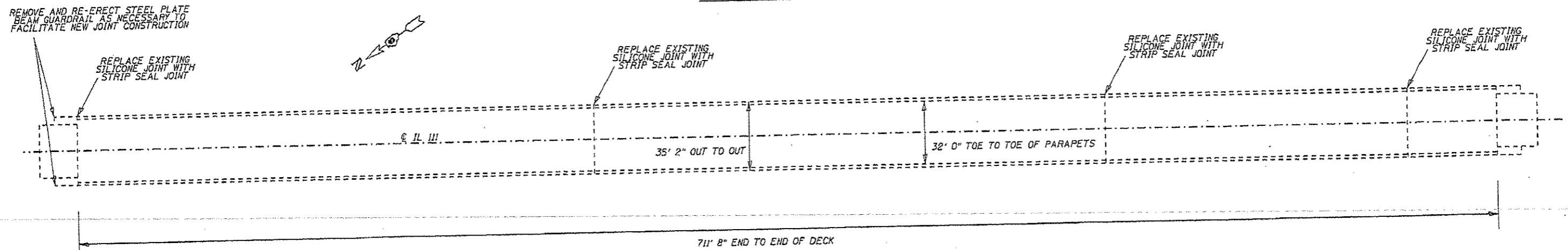


W12-1 103 (48)

WIDTH RESTRICTION SIGNING  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY



ELEVATION



PLAN

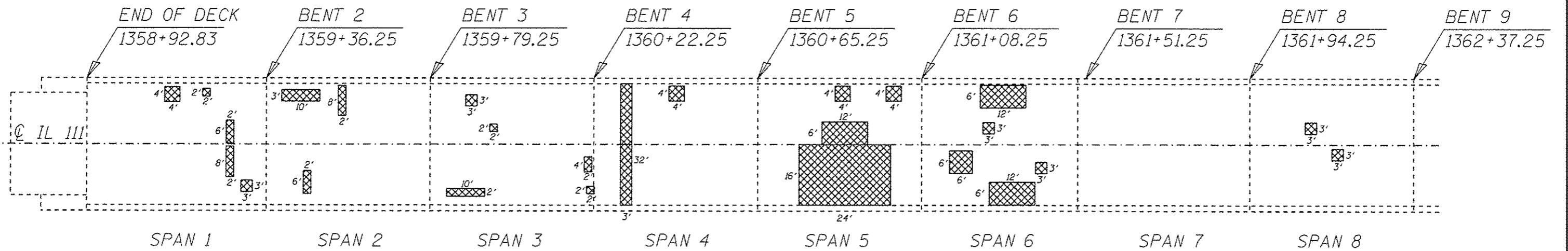


*David Carl Puzey* 9/29/12  
Expires 11/30/14

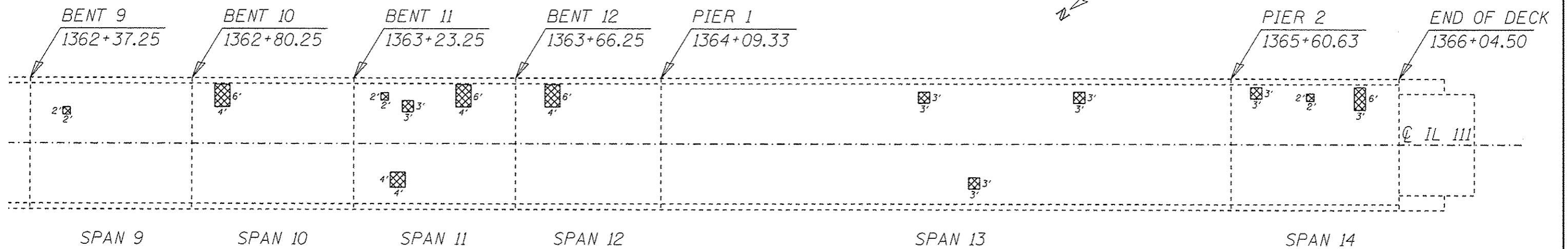
Designer: DAC  
Checker: GSE

TOTAL BILL OF MATERIAL	
CONCRETE REMOVAL	20 CU YD
CONCRETE SUPERSTRUCTURE	22 CU YD
BRIDGE DECK GROOVING	2380 SQ YD
REINFORCEMENT BARS, EPOXY COATED	3160 POUND
BAR SPLICERS	59 EACH
PREFORMED JOINT STRIP SEAL	150 FOOT
REMOVE AND RE-ERECT SPBGR, TYPE B	25 FOOT
REMOVE AND RE-ERECT SPBGR, ATTACHED TO STRUCTURES	25 FOOT
POLYMER CONCRETE	3.0 CU FT
BRIDGE DECK MICROSILICA CONCRETE OVERLAY, 2-1/2"	2486 SQ YD
BRIDGE DECK SCARIFICATION, 3/4"	2486 SQ YD
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	121 SQ YD
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	3 SQ YD

BRIDGE PLAN AND ELEVATION  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY



PATCHING PLAN (N. ABUT. - BENT 9)



PATCHING PLAN (BENT 9 - S. ABUT.)

 FULL DEPTH PATCHING AREAS

DATE OF SURVEY 2/1/2012

DECK SLAB REPAIR (FULL DEPTH, TYPE II) = 121 SQ YD

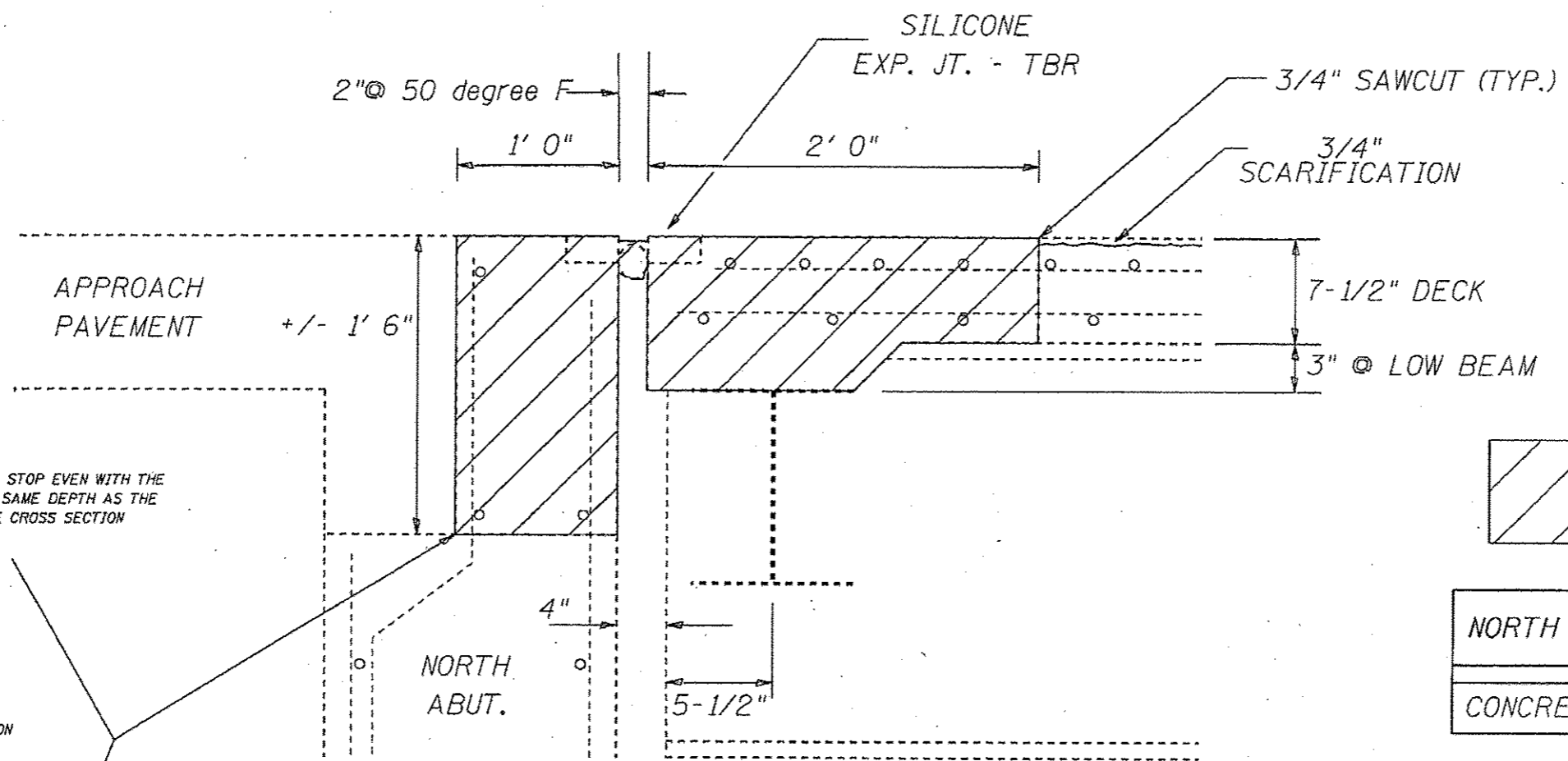
DECK SLAB REPAIR (FULL DEPTH, TYPE I) = 3 SQ YD

THE ENGINEER SHALL RECORD THE ACTUAL DECK SLAB REPAIR AREAS IN THE AS BUILT PLANS

NOTE: PATCHES SHOWN ARE TAKEN FROM EXISTING INSPECTION REPORTS. FULL DEPTH PATCHES SHALL ONLY BE USED IN AREAS WHERE SCARIFICATION REVEALS OR PRODUCES UNSOUND CONCRETE AS DETERMINED BY THE ENGINEER.

FULL DEPTH PATCHING PLAN  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY

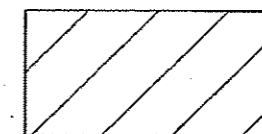




ABUTMENT WINGWALL REMOVAL SHALL STOP EVEN WITH THE BACK OF THE PARAPET AND BE THE SAME DEPTH AS THE HATCH BLOCK REMOVAL SHOWN IN THE CROSS SECTION

ALL REINFORCING STEEL IN THE WINGWALL REMOVAL AREA SHALL REMAIN AND BE RE-INCORPORATED INTO THE PROPOSED CONCRETE SUPERSTRUCTURE. ANY DAMAGE TO THE EXISTING REINFORCEMENT SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

THE COST FOR ANY EARTH EXCAVATION BEHIND THE WINGWALL THAT IS NECESSARY FOR FORMING THE PROPOSED CONCRETE SUPERSTRUCTURE SHALL BE INCLUDED IN THE BID PRICE FOR CONCRETE SUPERSTRUCTURE

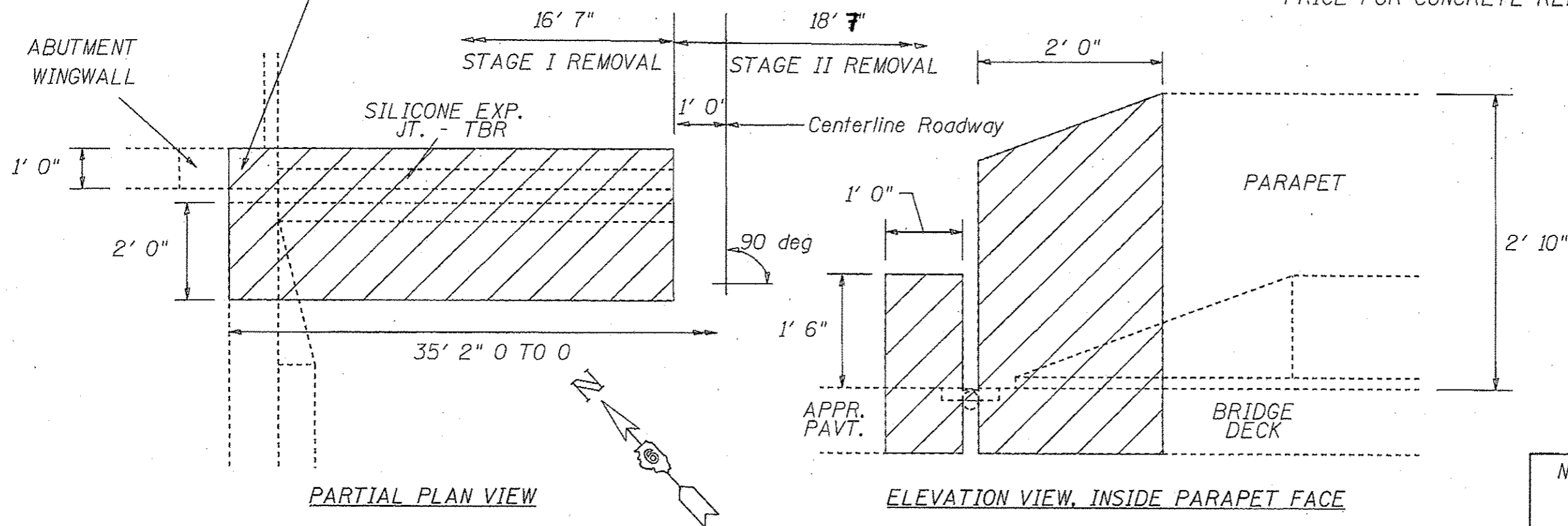


REMOVAL AREAS

NORTH ABUTMENT REMOVAL QUANTITY	
CONCRETE REMOVAL	4.6 CU YD

NOTE: THE COST OF JOINT REMOVAL AND DISPOSAL SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR CONCRETE REMOVAL.

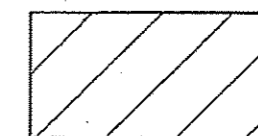
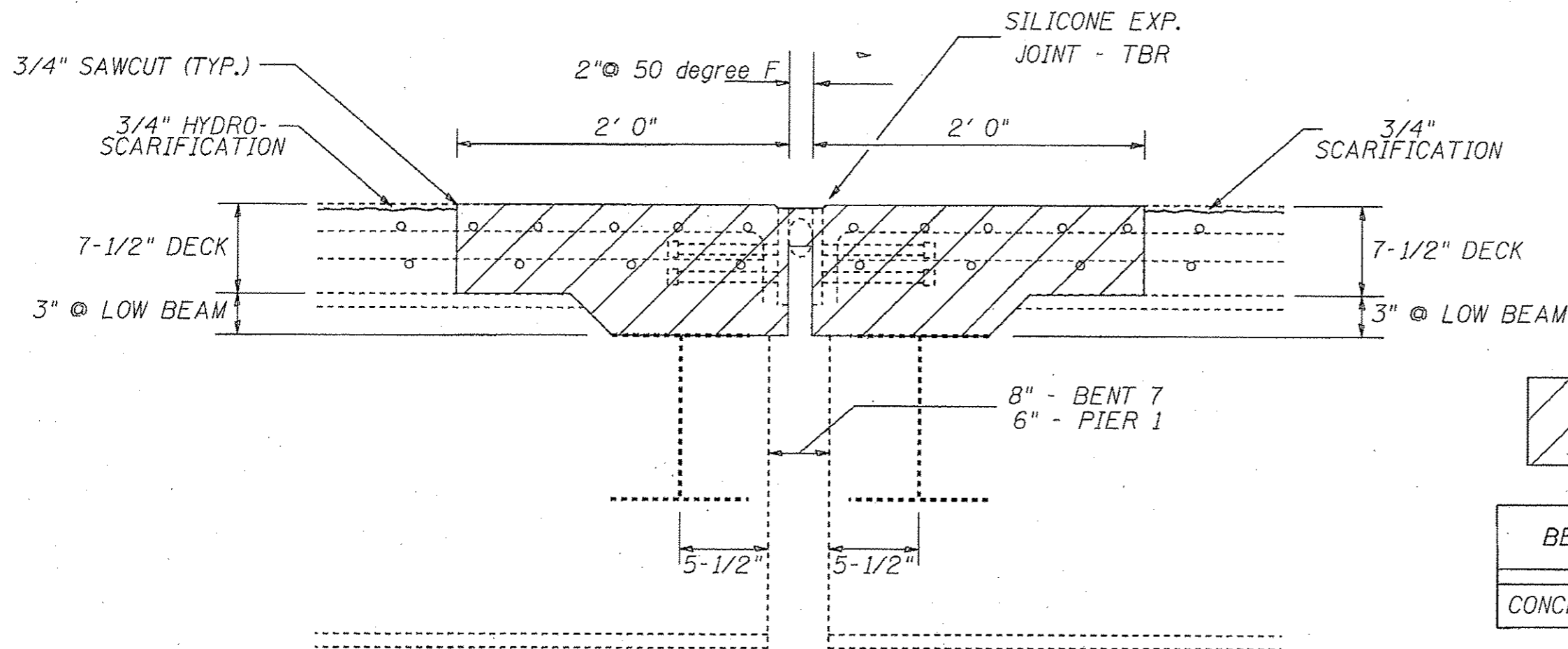
JOINT CROSS SECTION



PARTIAL PLAN VIEW

ELEVATION VIEW, INSIDE PARAPET FACE

N. ABUT. REMOVAL DETAILS  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY

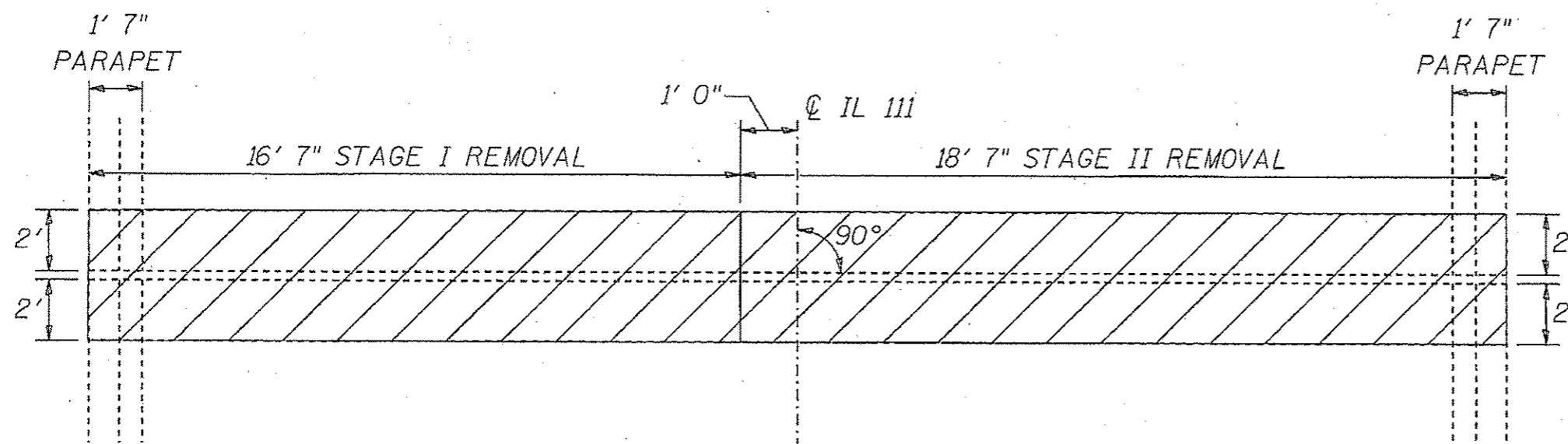


REMOVAL AREAS

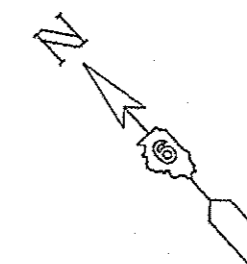
BENT 7 AND PIER 1 TOTAL REM.	
CONCRETE REMOVAL	10.0 CU YD

JOINT CROSS SECTION

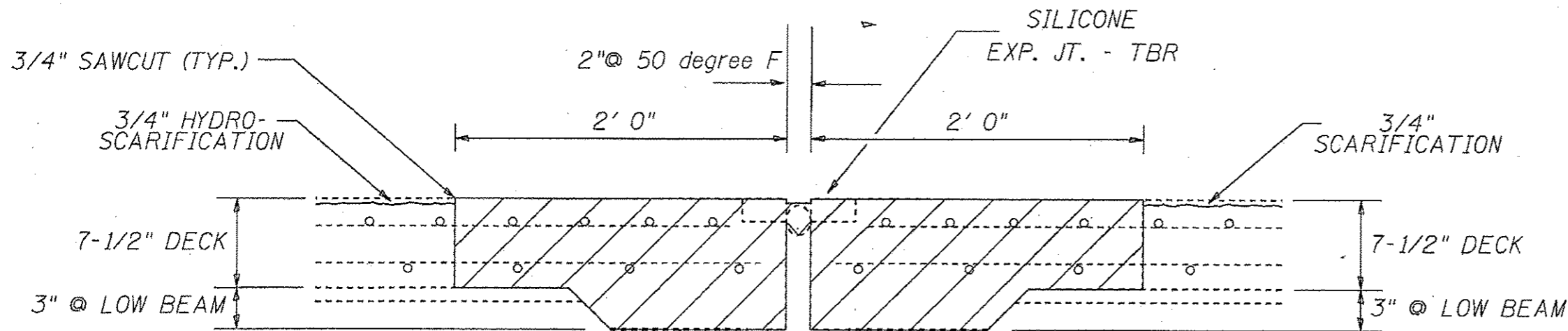
NOTE: THE COST OF JOINT REMOVAL AND DISPOSAL SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR CONCRETE REMOVAL.



JOINT PLAN



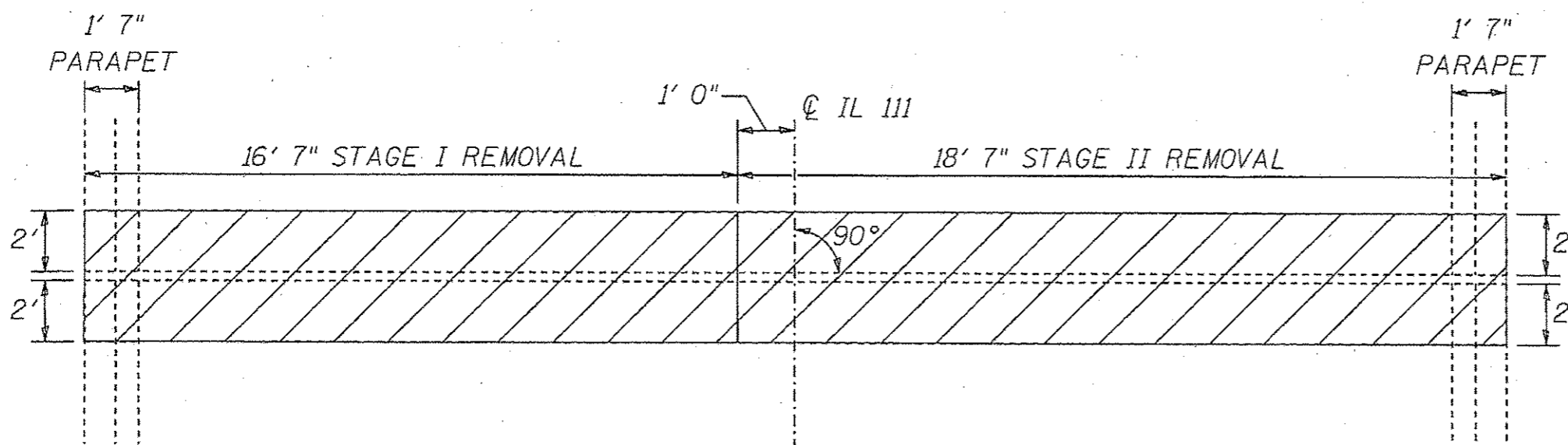
BENT 7 & PIER 1 REMOVAL  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY



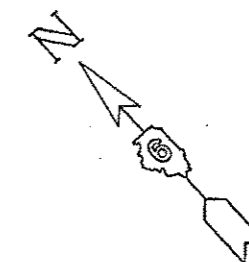
JOINT CROSS SECTION

PIER 2 REMOVAL QUANTITY	
CONCRETE REMOVAL	5.0 CU YD

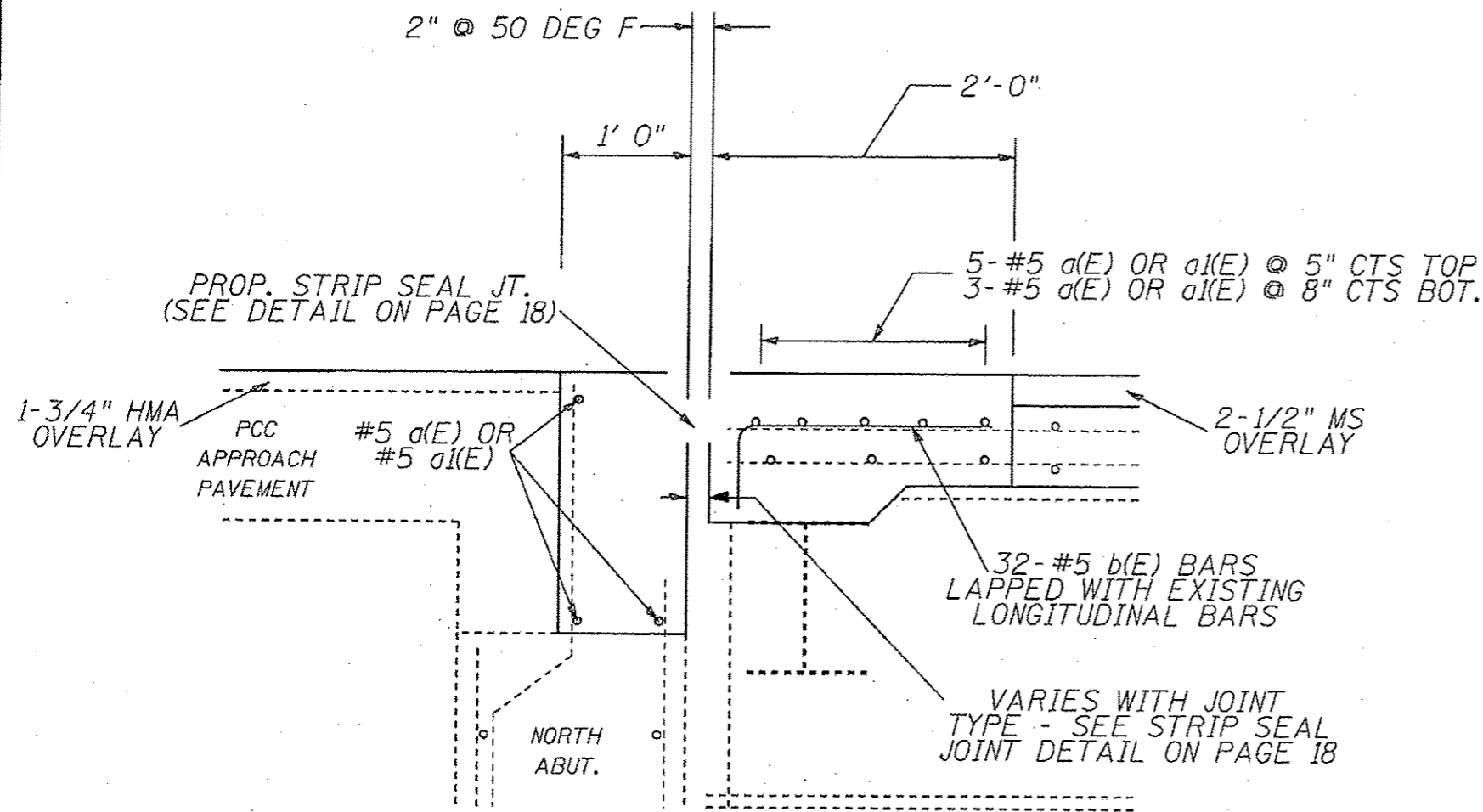
NOTE: THE COST OF JOINT REMOVAL AND DISPOSAL SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR CONCRETE REMOVAL.



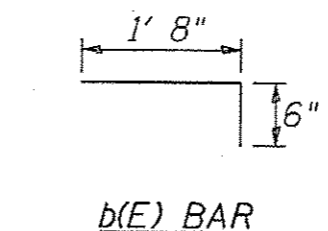
JOINT PLAN



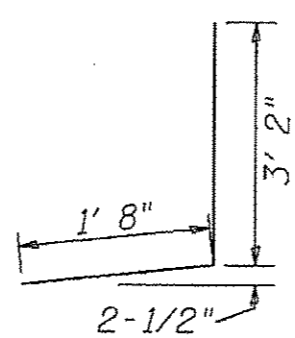
PIER 2 REMOVAL DETAILS  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY



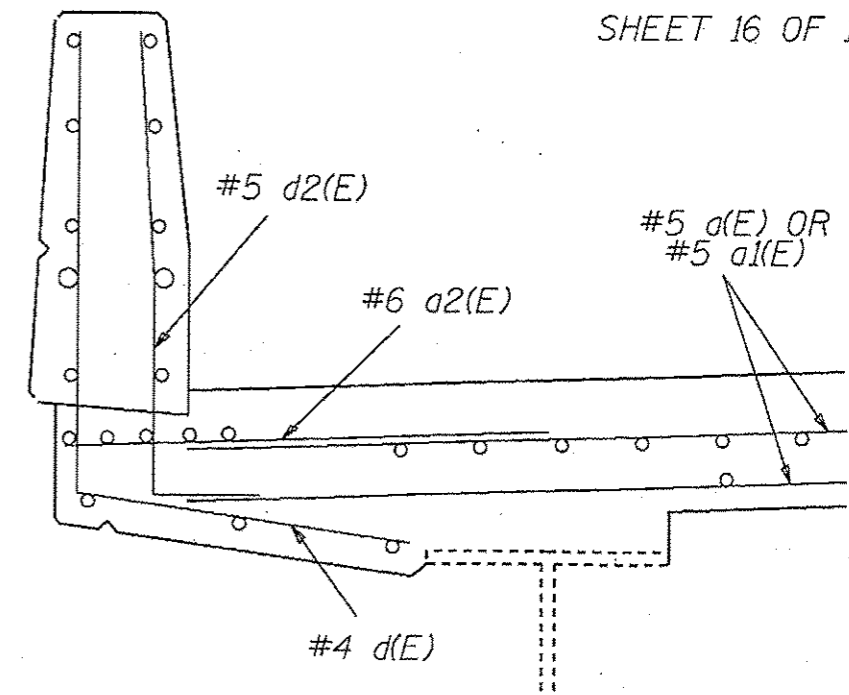
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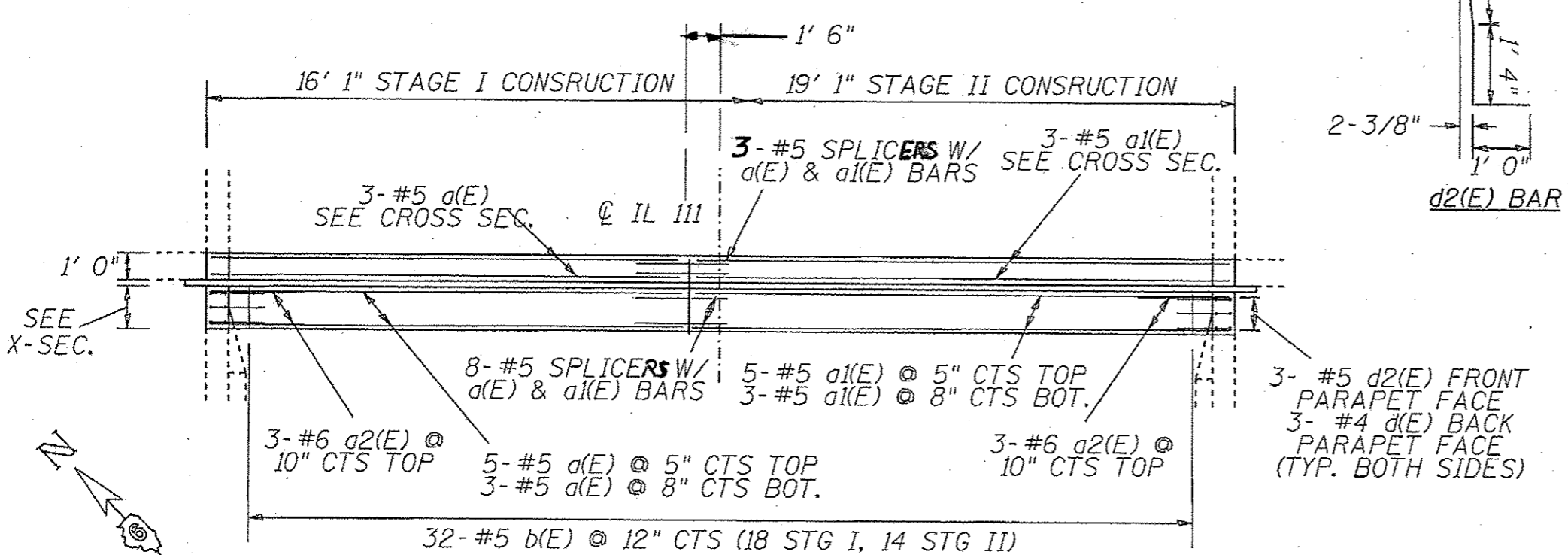
b(E) BAR



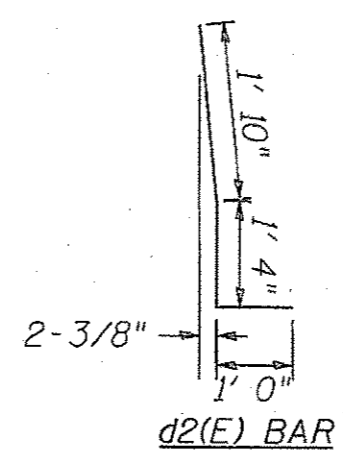
d(E) BAR



TYPICAL PARAPET CROSS SECTION



JOINT PLAN

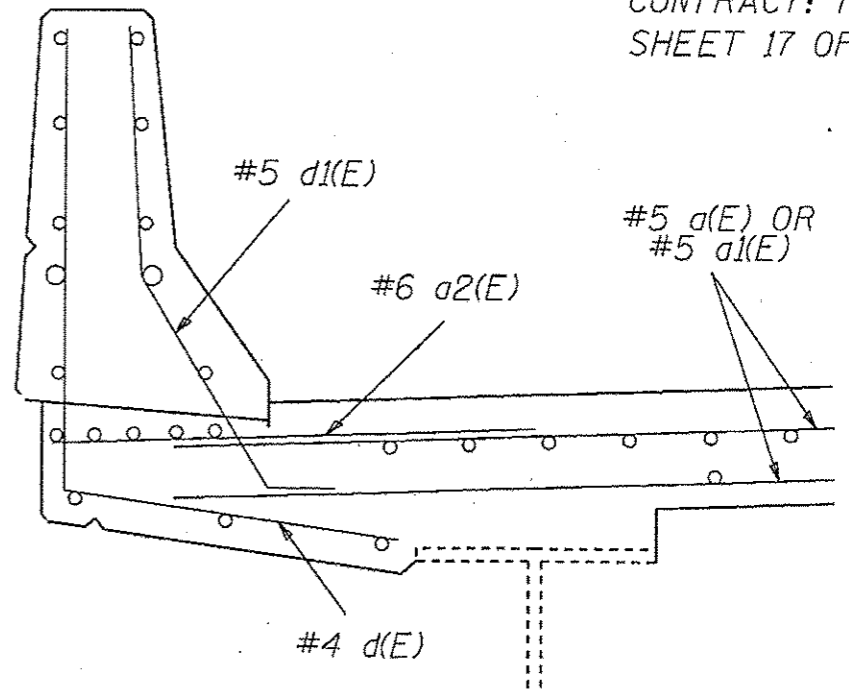
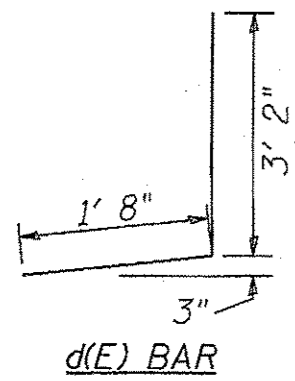
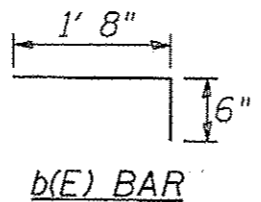
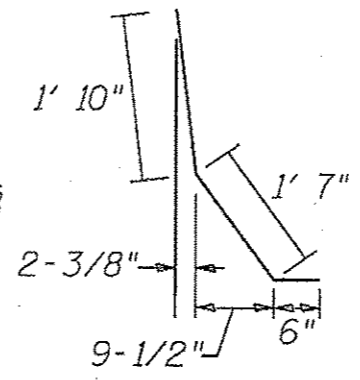
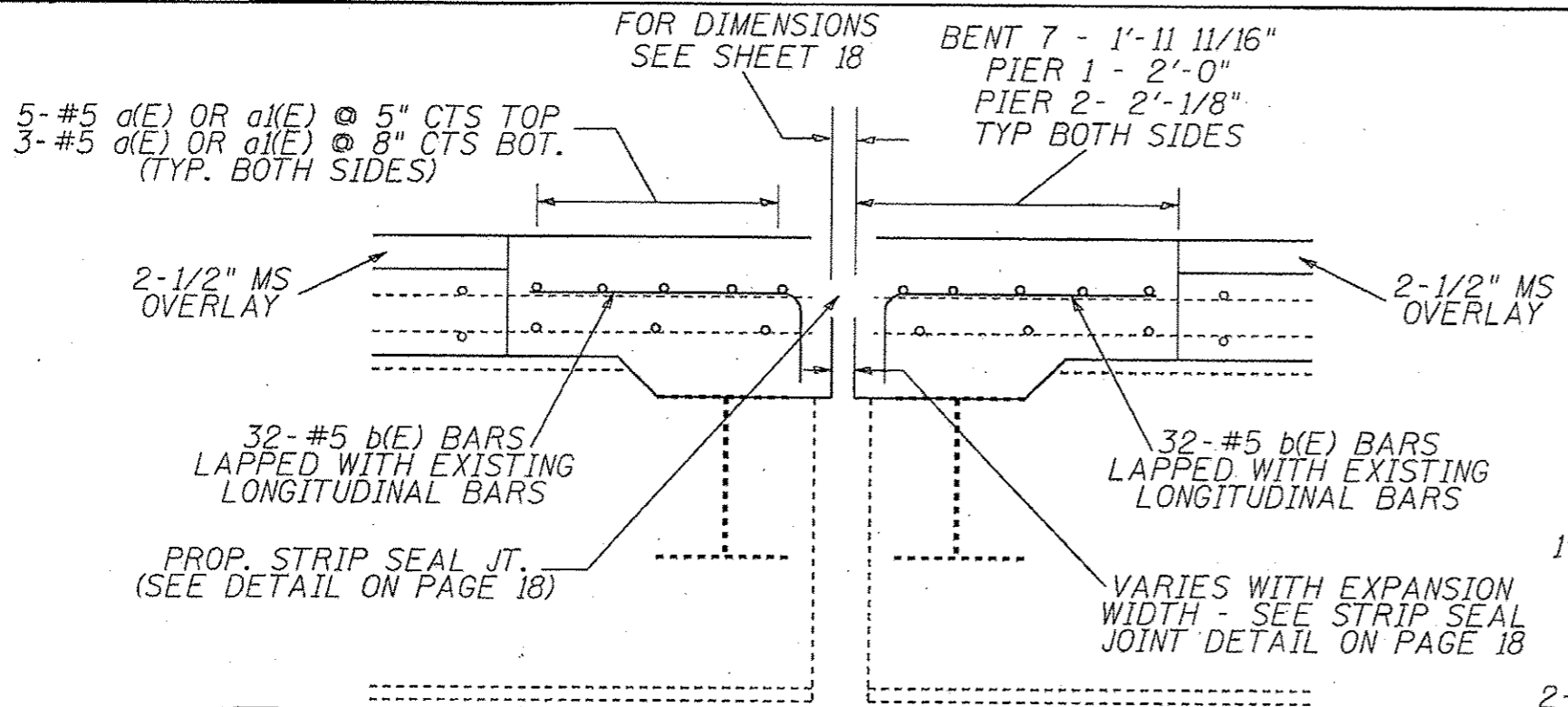


d2(E) BAR

NORTH ABUTMENT BILL OF MATERIAL				
BAR	#	SIZE	LENGTH	SHAPE
a(E)	11	5	15' 3"	—
a1(E)	11	5	18' 3"	—
a2(E)	6	6	4' 0"	—
b(E)	32	5	2' 2"	┌
d(E)	6	4	4' 10"	└
d2(E)	6	5	4' 2"	L
REINFORCEMENT BARS - EPOXY COATED			563 LB	
BAR SPLICERS			11 EACH	
CONCRETE SUPERSTRUCTURE			5.1 CU YD	

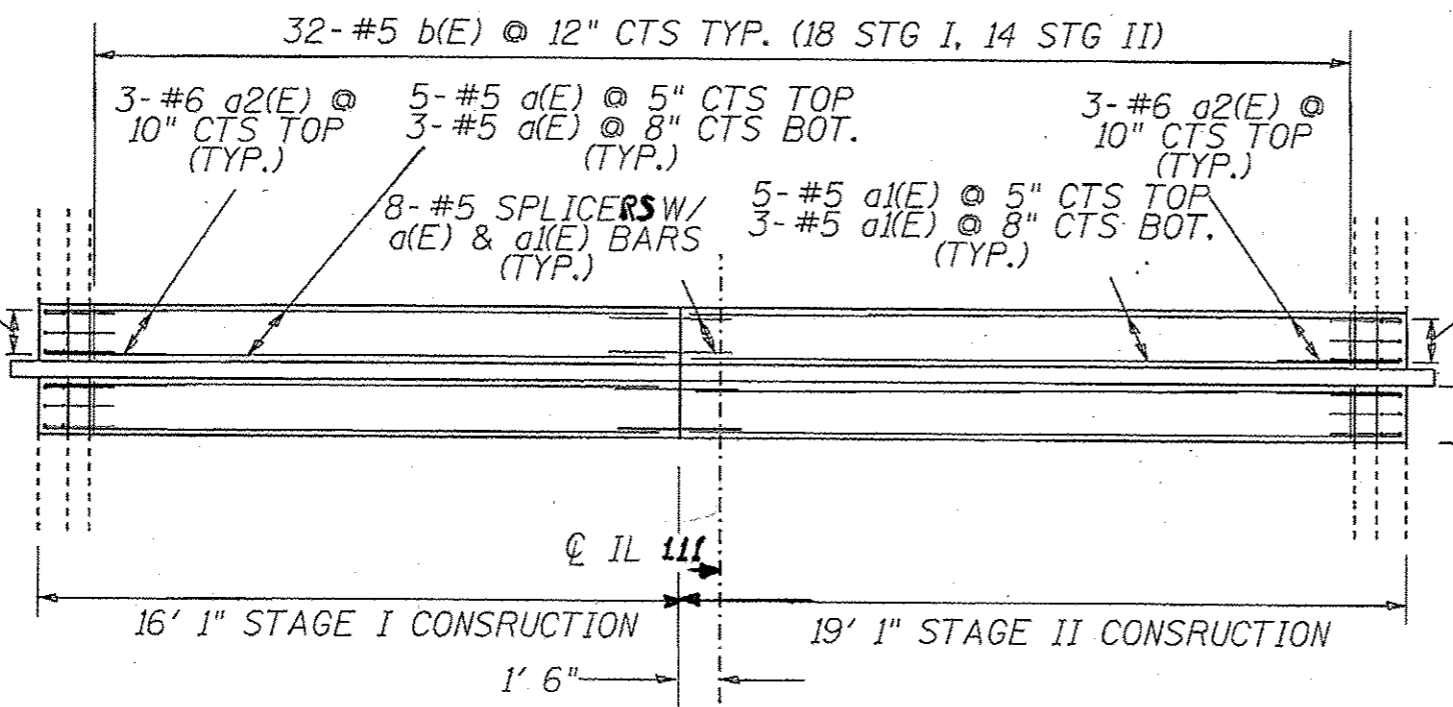
N. ABUT. JOINT REPLACEMENT  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY





TYPICAL PARAPET CROSS SECTION

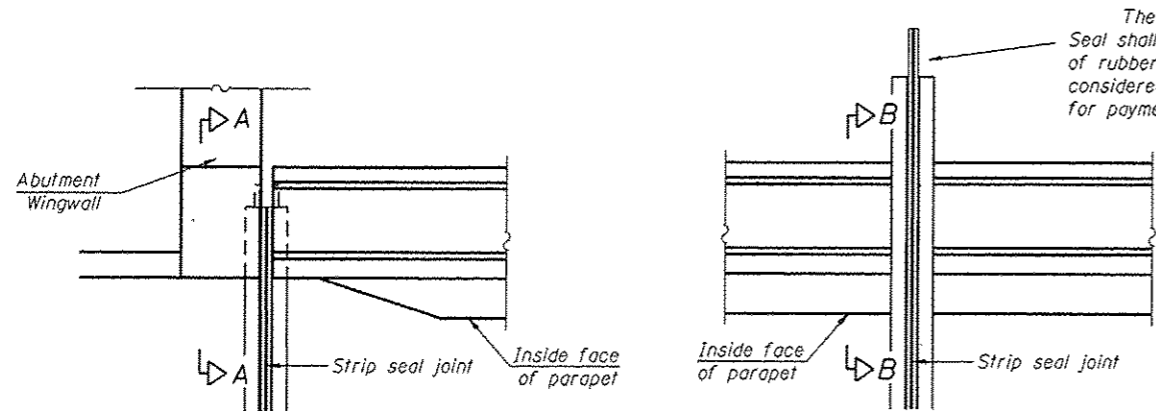
JOINT CROSS SECTION



JOINT PLAN

BENT 7, PIER 1, AND PIER 2 TOTAL BILL OF MATERIAL				
BAR	#	SIZE	LENGTH	SHAPE
a(E)	48	5	15' 3"	—
a1(E)	48	5	18' 3"	—
a2(E)	36	6	4' 0"	—
b(E)	192	5	2' 2"	┌
d(E)	36	4	4' 10"	└
d1(E)	36	5	3' 11"	└
REINFORCEMENT BARS - EPOXY COATED			2590 LB	
BAR SPLICERS			48 EACH	
CONCRETE SUPERSTRUCTURE			16.8 CU YD	

BENT 7, PIER 1, & PIER 2  
JOINT REPLACEMENT DETAILS  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY



PLAN THROUGH PARAPET  
(North Abut.)

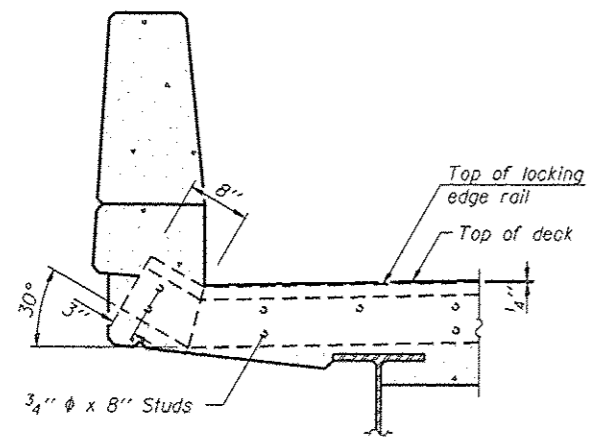
PLAN THROUGH PARAPET  
(Bent 7, Piers 1 & 2)

**BILL OF MATERIAL**

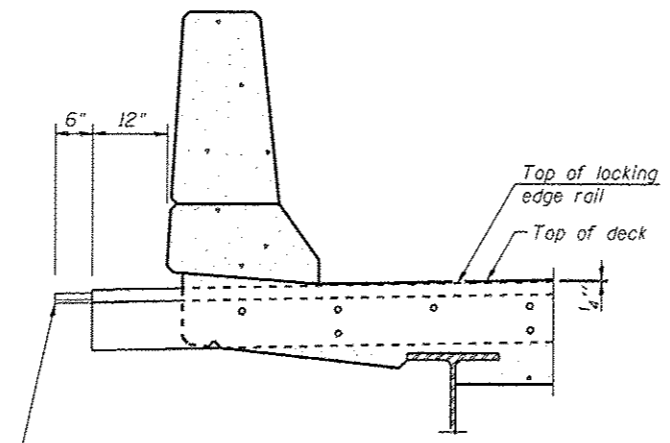
Item	Unit	Total
Preformed Joint Strip Seal	Foot	150

**TABLE "A"**  
(All dimensions @ 50° F)

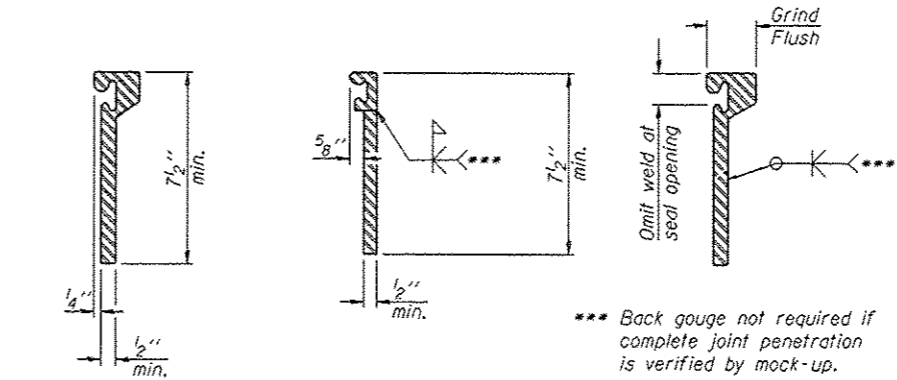
Joint	A	B	C
N. Abut.	1 1/2"	2"	2 3/4"
Bent 7	2 1/8"	2 5/8"	3 3/8"
Pier 1	1 1/2"	2"	2 3/4"
Pier 2	1 3/4"	2 1/4"	3"



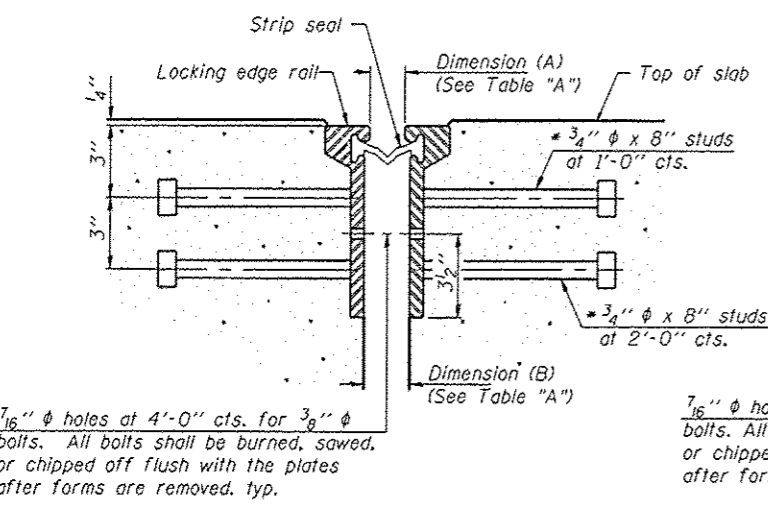
SECTION A-A



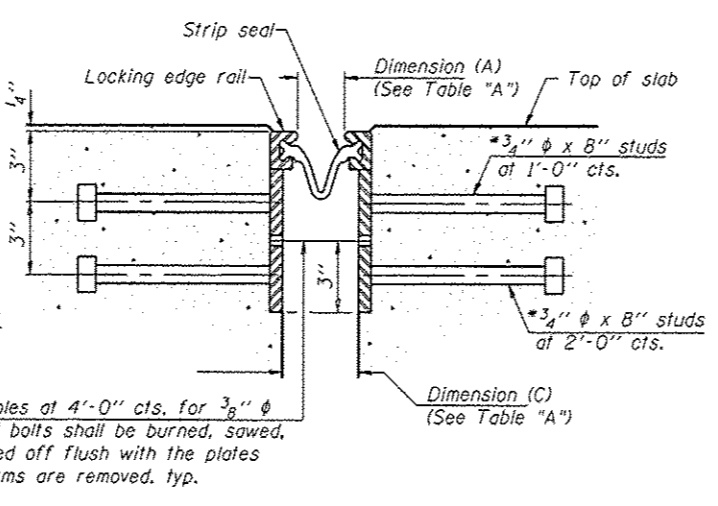
SECTION B-B



LOCKING EDGE RAILS



SECTION THRU  
ROLLED RAIL JOINT

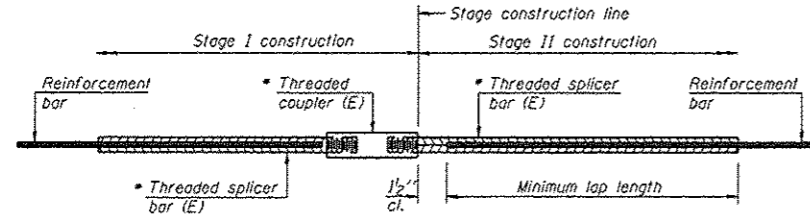


SECTION THRU  
WELDED RAIL JOINT

Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

**Notes:**  
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.  
The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.  
The manufacturer's recommended installation methods shall be followed.  
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.  
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications. Maximum space between rail segments shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.  
Parapet plates and anchorage studs for skews > 30° included in the cost of Preformed Joint Strip Seal.

STRIP SEAL JOINT DETAILS  
FAP 608 (IL 111)  
SECTION (126)I-1  
MACOUPIN COUNTY



**STANDARD BAR SPLICER ASSEMBLY**

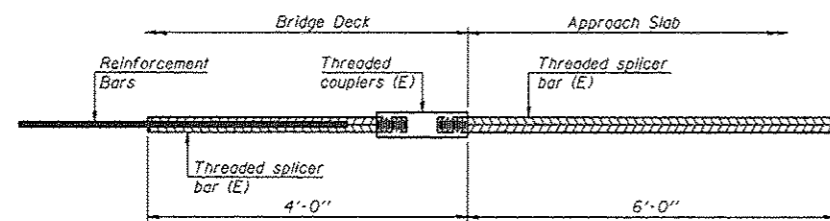
Bar size to be spliced	Minimum Lap Lengths					
	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"	6'-5"	6'-10"	7'-9"	8'-7"	9'-8"

- Table 1: Black bar, O.B Class C
- Table 2: Black bar, Top bar lap, O.B Class C
- Table 3: Epoxy bar, O.B Class C
- Table 4: Epoxy bar, Top bar lap, O.B Class C
- Table 5: Epoxy bar, Class C
- Table 6: Epoxy bar, Top bar lap, Class C

Threaded splicer bar length = min. lap length + 1/2" + thread length

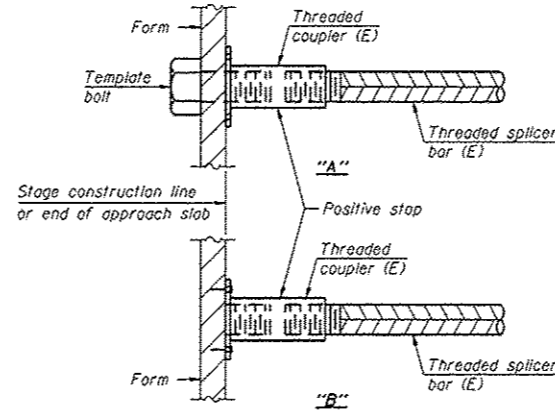
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
North Abut.	#5	3	5
Deck Joints (bottom)	#5	21	5
Deck Joints (top)	#5	35	6



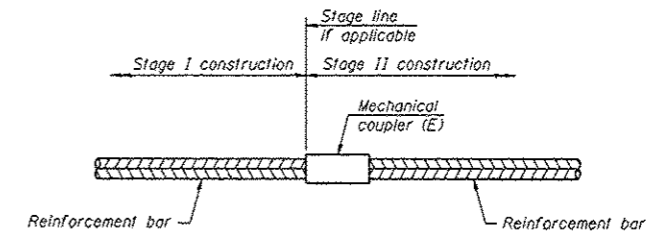
**BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS**

No. required =



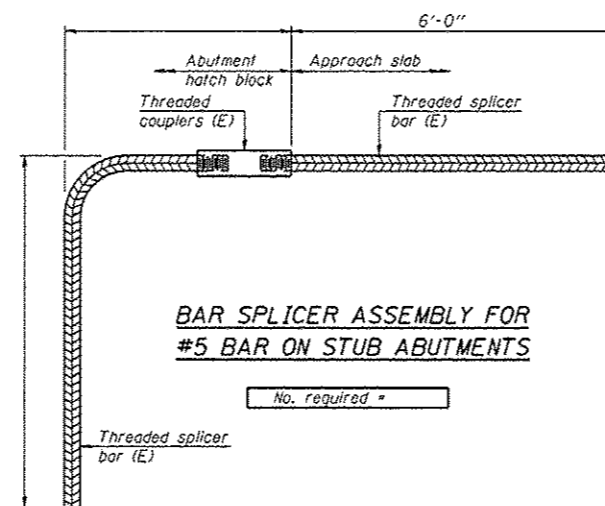
**INSTALLATION AND SETTING METHODS**

- "A": Set bar splicer assembly by means of a template bolt.
- "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
- (E): Indicates epoxy coating.



**STANDARD MECHANICAL SPLICER**

Location	Bar size	No. assemblies required



**BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS**

No. required =

**NOTES**

- Splicer bars shall be deformed with Threaded ends and have a minimum 60 ksi yield strength.
- All reinforcement shall be lapped and tied to the splicer bars.
- Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
- See approved list of bar splicer assemblies and mechanical splicers for alternatives.