

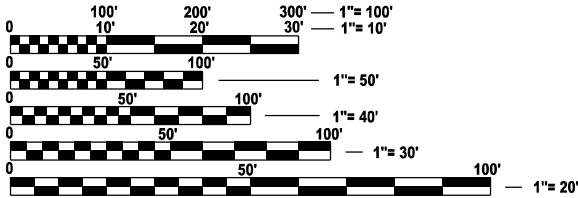
- 1 . COVER SHEET
- 2 . GENERAL NOTES
- 3 . SUMMARY OF QUANTITIES
- 4 . TYPICAL SECTIONS
- 5 - 6 . SCHEDULES
- 7 - 8 . CLASS B PATCHING DETAILS
- 9 . TEMPORARY INFORMATION SIGNING

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701502-09	URBAN LANE CLOSURE 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701901-10	TRAFFIC CONTROL DEVICES

BEGIN IMPROVEMENT
LOG MILE 6.36 = U.S. ROUTE 24
LOG MILE 0.00 = RAMP "A"

END IMPROVEMENT
INTERSECTION US 24/25
LOG MILE 6.74 = US ROUTE 24
LOG MILE 0.06 = US ROUTE 24/45



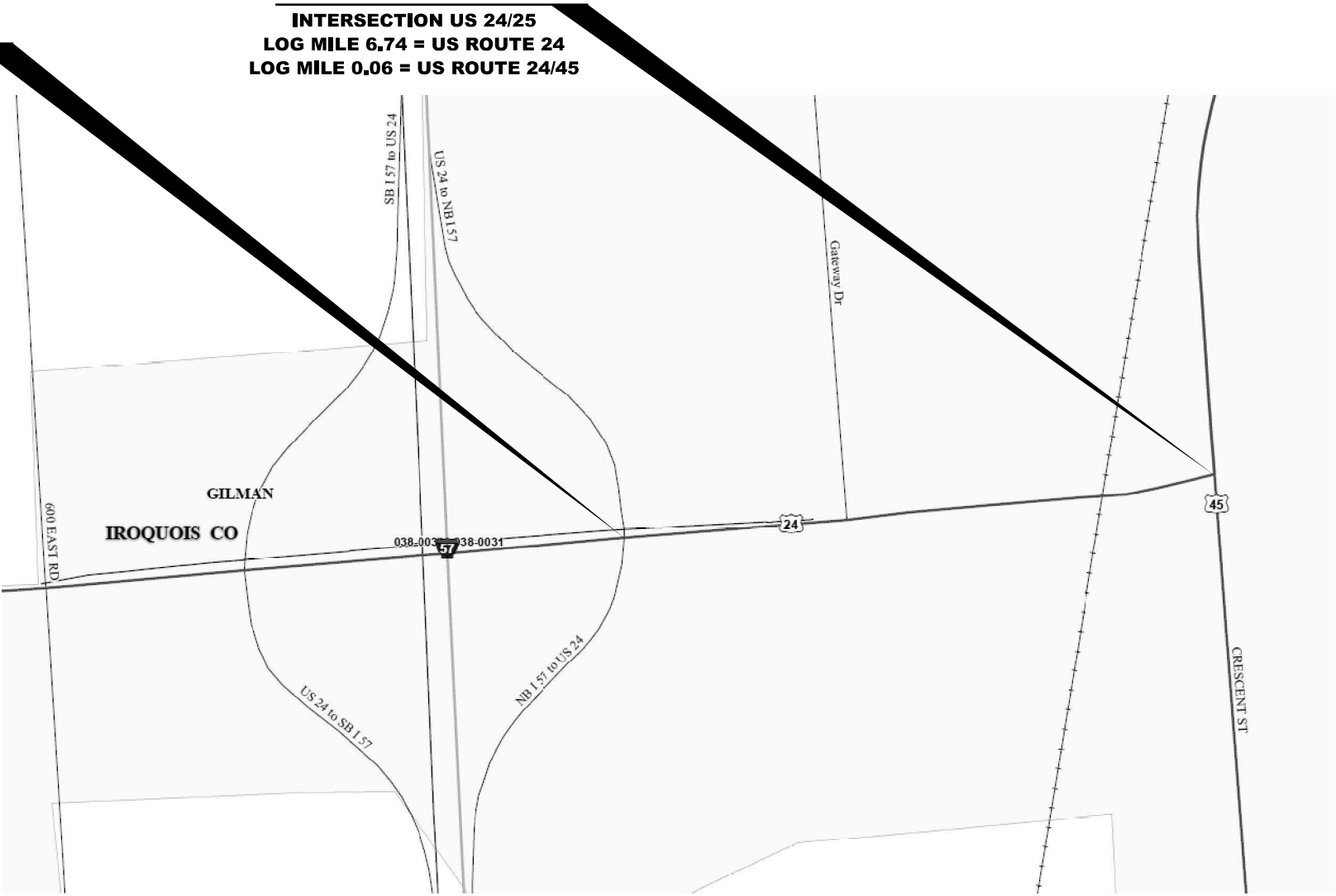
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER JUNIOR SENAT. P.E.
UNIT CHIEF RON WOODSHANK
DISTRICT 3 (815) 434-6131
CONTRACT NO. 66R17

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PROPOSED
HIGHWAY PLANS**
F.A.P. ROUTE 317 (U.S. ROUTE 24)
SECTION (36)PP
CLASS "B" PATCHING
IROQUOIS COUNTY

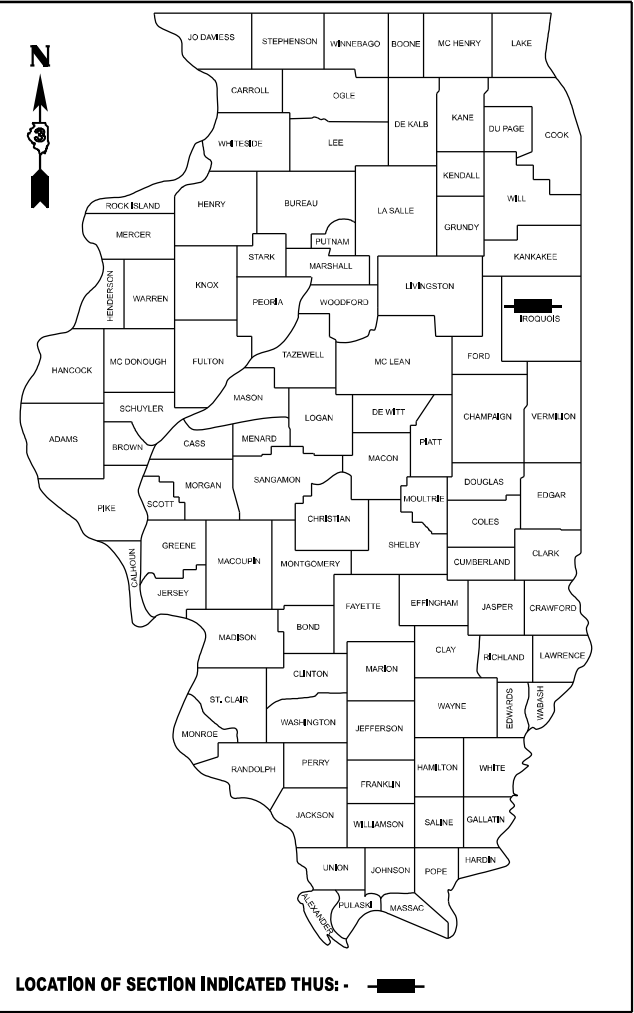
C-93-064-25



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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(36)PP	IROQUOIS	9	1
		ILLINOIS	CONTRACT NO. 66R17	

D-93-038-25



FUNCTIONAL CLASSIFICATION
RURAL - OTHER PRINCIPAL ARTERIAL (OPA)
F.A.P. ROUTE 317 (US ROUTE 24)
2023 ADT = 6,800
P.V. 65.8 % S.U. 12.9 % M.U. 21.3 %

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 5, 2024
Trisha Thompson REGIONAL ENGINEER

March 21, 2025
Scott A. Etk ENGINEER OF DESIGN AND ENVIRONMENT

March 21, 2025
Chadley DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

MODEL: Default
FILE NAME: c:\pw_work\pwid\woodshank\1051908\0366R17.dgn

GENERAL NOTES

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY.

COMMITMENTS

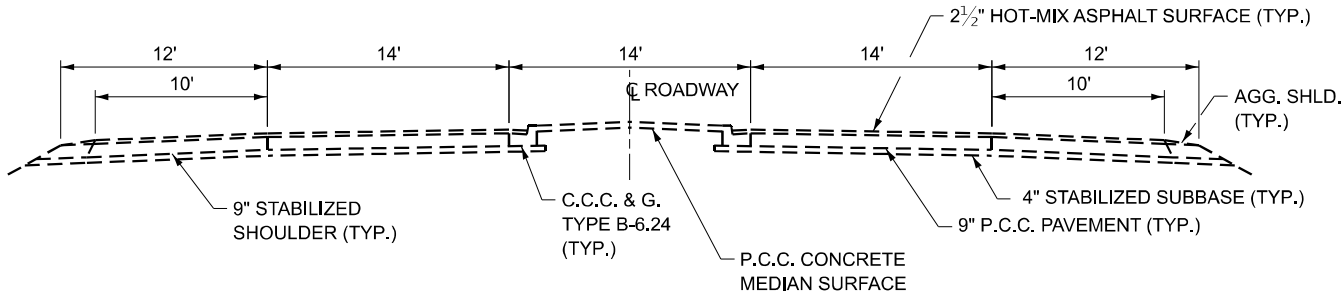
NONE

	USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RW	REVISED -					317	(36)PP	IROQUOIS	9	2
		CHECKED - JS	REVISED -					CONTRACT NO. 66R17				
	PLOT DATE = 1/2/2025	DATE - 1/2/2025	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

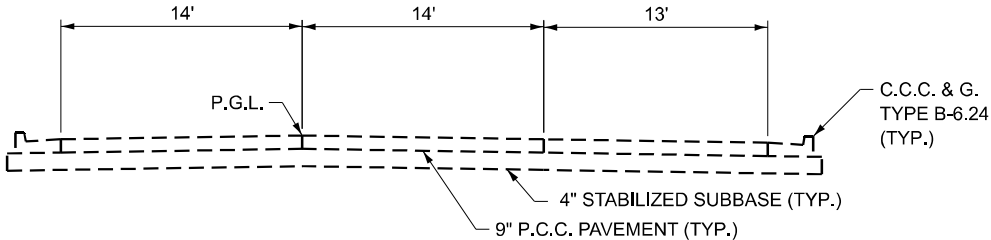
MODEL: Default
FILE NAME: c:\pw_work\pwidolwoodshank\td1051908\D366R17.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				100% STATE
				ROADWAY
				0005 RURAL
44200050	WELDED WIRE REINFORCEMENT	SQ YD	915	915
44200956	CLASS B PATCHES, TYPE II, 9 INCH	SQ YD	118	118
44200962	CLASS B PATCHES, TYPE III, 9 INCH	SQ YD	762	762
44200964	CLASS B PATCHES, TYPE IV, 9 INCH	SQ YD	137	137
44200982	CLASS B PATCHES, TYPE II, 11 INCH	SQ YD	12	12
44200986	CLASS B PATCHES, TYPE III, 11 INCH	SQ YD	16	16
44201299	DOWEL BARS 1 1/2"	EACH	1174	1174
44213200	SAW CUTS	FOOT	4149	4149
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
Z0017099	DOWEL BAR ASSEMBLY	EACH	6	6
Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	84	84

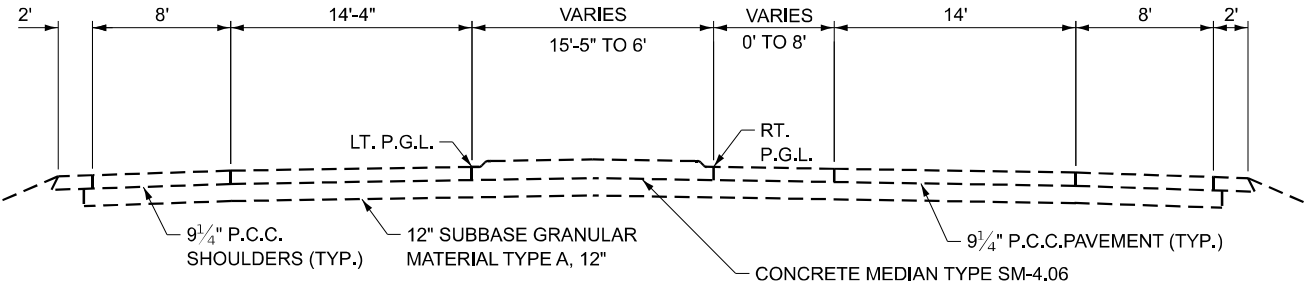
	USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RW	REVISED -					317	(36)PP	IROQUOIS	9	3
		CHECKED - JS	REVISED -					CONTRACT NO. 66R17				
	PLOT DATE = 1/2/2025	DATE - 1/2/2025	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



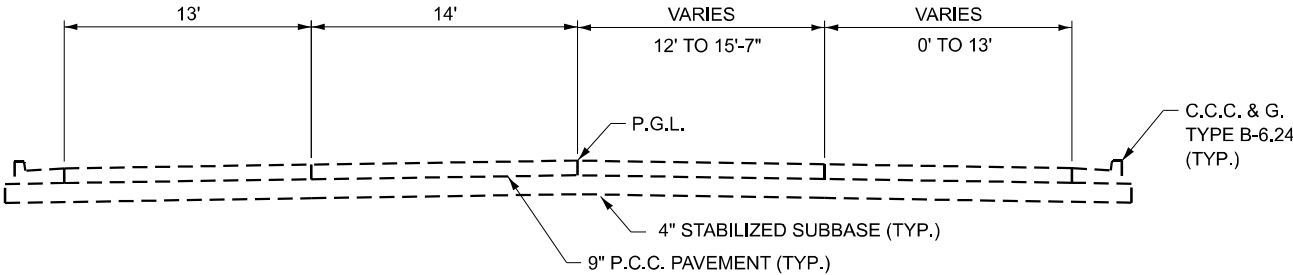
EXISTING TYPICAL SECTION 1
LOG MILE 6.36 TO LOG MILE 6.40
U.S. ROUTE 24



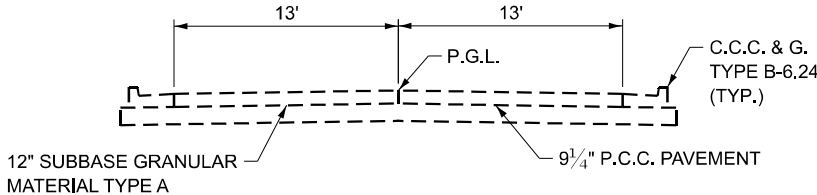
EXISTING TYPICAL SECTION 5
LOG MILE 6.47 TO LOG MILE 6.66
U.S. ROUTE 24



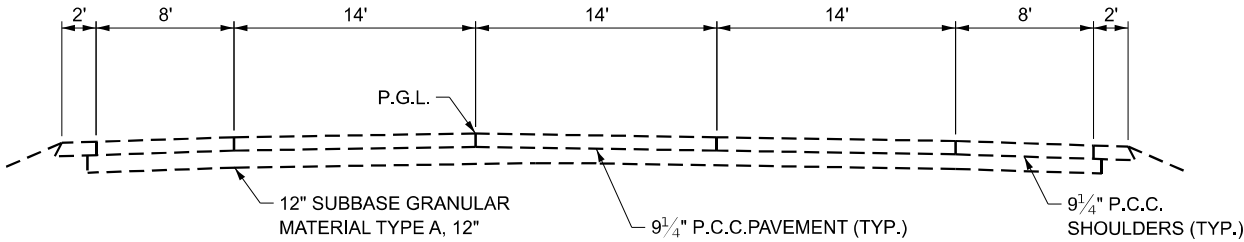
EXISTING TYPICAL SECTION 2
LOG MILE 6.40 TO LOG MILE 6.43
U.S. ROUTE 24



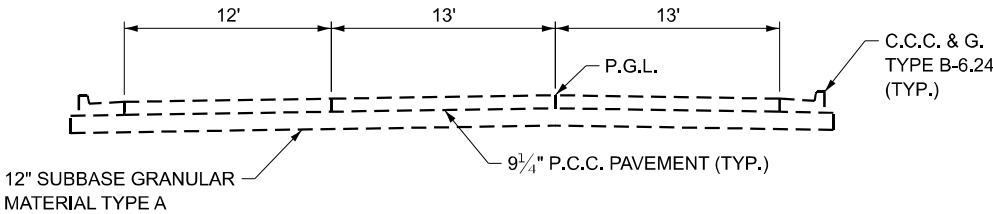
EXISTING TYPICAL SECTION 6
LOG MILE 6.66 TO LOG MILE 6.74
U.S. ROUTE 24



EXISTING TYPICAL SECTION 7
LOG MILE 0.00 TO LOG MILE 0.06
U.S. ROUTE 45 (SOUTH LEG)



EXISTING TYPICAL SECTION 4
LOG MILE 6.43 TO LOG MILE 6.47
U.S. ROUTE 24



EXISTING TYPICAL SECTION 8
LOG MILE 0.06 TO LOG MILE 0.08
U.S. ROUTE 45 (NORTH LEG)

NOTE: INTERSECTION US ROUTE 24/45
LOG MILE 6.74 = US ROUTE 24
LOG MILE 0.06 = US ROUTE 45

MODEL: Default
FILE NAME: c:\pwwork\woodshank\1051908\0366R17.dgn

	USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RW	REVISED -					317	(36)PP	IROQUOIS	9	4
		CHECKED - JS	REVISED -					CONTRACT NO. 66R17				
	PLOT DATE = 1/2/2025	DATE - 1/2/2025	REVISED -		SCALE:	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

PATCHING SCHEDULE

LOCATION			PATCH LENGTH	PATCH WIDTH	CLASS B			CLASS B			DOWEL BARS 1½"	DOWEL BAR ASSEMBLY	SAW CUTS	WELDED WIRE REINF.	DRILL AND GROUT #6 TIE BARS
					TYPE II 9"	TYPE III 9"	TYPE IV 9"	TYPE II 11"	TYPE III 11"	TYPE IV 11"					
LOG MILE	DIRECTION	LANE	FEET	FEET	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH	EACH	FOOT	SQ YD	EACH
6.37	EASTBOUND	LT	8	14				12			24		66		
6.37	EASTBOUND		10	14					16		24		72	16	
6.38	EASTBOUND		15	14		23					24		87	23	
6.39	EASTBOUND		10	14		16					24		72	16	
6.41	EASTBOUND	C	10	14		16					24		72	16	
6.42	EASTBOUND		8	8	7						12		48		
6.43	EASTBOUND	LT	8	14	12						24		66		
6.43	EASTBOUND	C	12	14		19					24		78	19	
6.43	EASTBOUND		10	14		16					24		72	16	
6.44	EASTBOUND	LT	6	14	9						24		60		
6.46	EASTBOUND	C	30	14			47				24	2	132	47	19
6.46	EASTBOUND		30	14			47				24	2	132	47	19
6.47	EASTBOUND	LT	10	14		16					24		72	16	
6.47	EASTBOUND		15	13		22					22		84	22	
6.49	EASTBOUND	LT	15	14		23					24		87	23	
6.49	EASTBOUND		15	13		22					22		84	22	
6.50	EASTBOUND		30	13			43				22	2	129	43	19
6.51	EASTBOUND	C	9	14	14						24		69		
6.51	EASTBOUND	C	12	14		19					24		78	19	
6.51	EASTBOUND		8	13	12						22		63		
6.53	EASTBOUND		15	13		22					22		84	22	
6.55	EASTBOUND	LT	15	14		23					24		87	23	
6.55	EASTBOUND	LT	15	14		23					24		87	23	
6.55	EASTBOUND		15	13		22					22		84	22	
6.57	EASTBOUND	LT	15	14		23					24		87	23	
6.57	EASTBOUND		15	13		22					22		84	22	
6.58	EASTBOUND	LT	15	14		23					24		87	23	
6.58	EASTBOUND		15	13		22					22		84	22	
*6.60	EASTBOUND	LT	15	14		23					24		87	23	
*6.60	EASTBOUND	C	15	14		23					24		87	23	
*6.60	EASTBOUND		15	13		22					22		84	22	
6.61	EASTBOUND	C	10	14		16					24		72	16	
6.62	EASTBOUND	LT	8	14	12						24		66		
6.62	EASTBOUND		10	13	14						22		69		
6.64	EASTBOUND	LT	15	14		23					24		87	23	
6.64	EASTBOUND		15	13		22					22		84	22	
6.64	EASTBOUND		15	13		22					22		84	22	
6.66	EASTBOUND	LT	12	14		19					24		78	19	
6.67	EASTBOUND	LT	12	14		19					24		78	19	
6.67	EASTBOUND	C	8	14	12						24		66		
6.67	EASTBOUND		10	13	14						22		69		
6.68	EASTBOUND	C	15	14		23					24		87	23	
6.68	EASTBOUND		15	13		22					22		84	22	
6.69	EASTBOUND	C	15	14		23					24		87	23	
6.70	EASTBOUND	LT	15	14		23					24		87	23	
6.74	EASTBOUND	LT	8	14	12						24		66		
6.74	EASTBOUND		15	13		22					22		84	22	
6.74	EASTBOUND		15	13		22					22		84	22	
TOTAL					118	696	137	12	16		1108	6	3897	849	57

* INDICATES PATCHES ARE ADJACENT

MODEL: Default
FILE NAME: c:\pw_work\pwidth\woodshank\1051908\0366R17.dgn

	USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RW	REVISED -					317	(36)PP	IROQUOIS	9	5
		CHECKED - JS	REVISED -		SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 66R17				
	PLOT DATE = 1/2/2025	DATE - 1/2/2025	REVISED -					ILLINOIS FED. AID PROJECT				

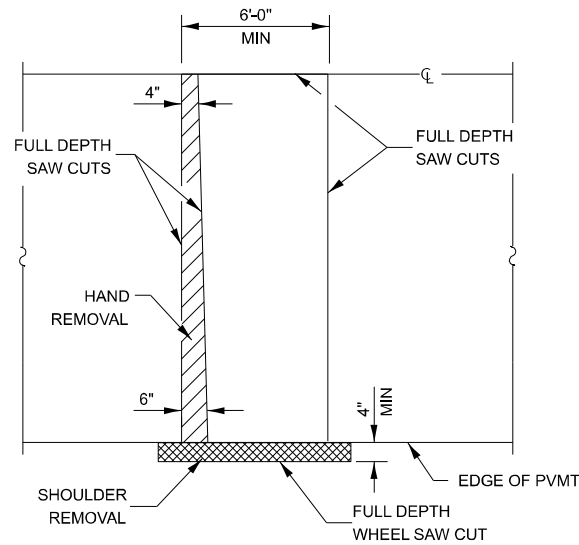
PATCHING SCHEDULE

LOCATION			PATCH LENGTH	PATCH WIDTH	CLASS B TYPE	DOWEL BARS	SAW CUTS	WELDED WIRE REINF.
US ROUTE 45					III 9"	1½"		
LOG MILE	DIRECTION	LANE	FEET	FEET	SQ YD	EACH	FOOT	SQ YD
US ROUTE 45 (SOUTH LEG OF INTERSECTION)								
*6.74	NORTHBOUND	RT	15	13	22	22	84	22
*6.74	NORTHBOUND	LT	15	13	22	22	84	22
*6.74	NORTHBOUND	ISLAND	15	13	22	22	84	22
US ROUTE 24/45 (NORTH LEG OF INTERSECTION)								
*6.74	NORTHBOUND	ISLAND	15	13	22	22	84	22
*6.74	NORTHBOUND	RT	15	13	22	22	84	22
*6.74	NORTHBOUND	LT	15	13	22	22	84	22
6.74	NORTHBOUND	LT	15	13	22	22	84	22
TOTAL					66	66	252	66

* INDICATES PATCHES ARE ADJACENT

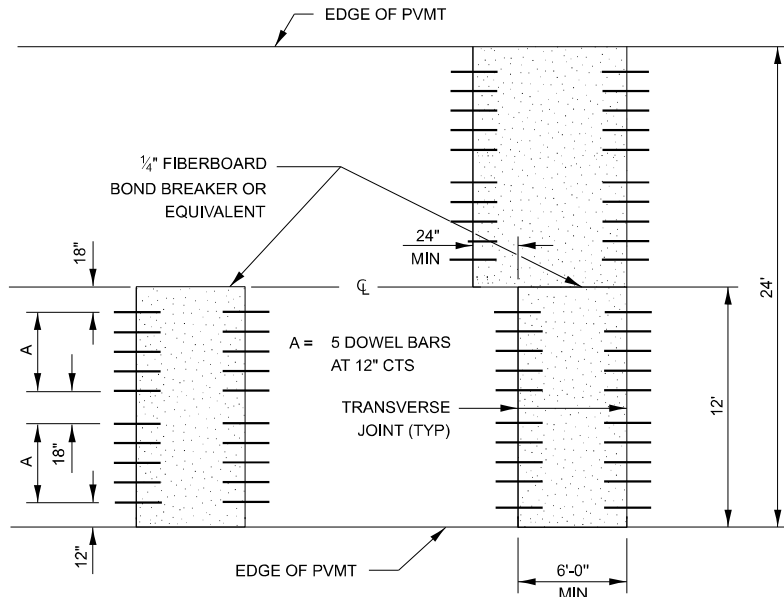
MODEL: Default
FILE NAME: c:\pw_work\pwidth\woodshank\td1051908\D366R17.dgn

	USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RW	REVISED -					317	(36)PP	IROQUOIS	9	6
		CHECKED - JS	REVISED -					CONTRACT NO. 66R17				
	PLOT DATE = 1/2/2025	DATE - 1/2/2025	REVISED -		SCALE:	SHEET 2	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

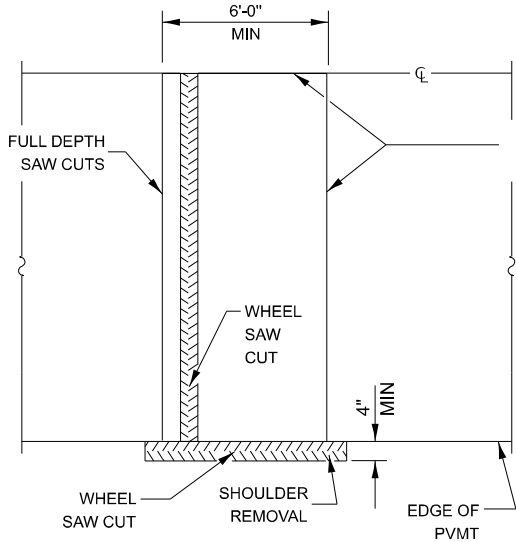


PAVEMENT SAWING DETAIL

(HMA SHOULDER)

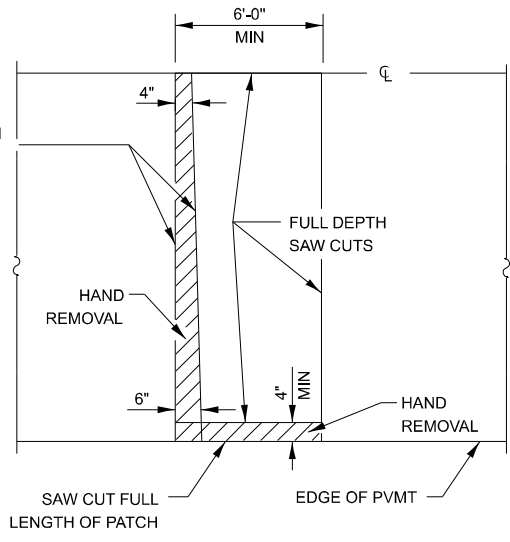


12' WIDE LANES



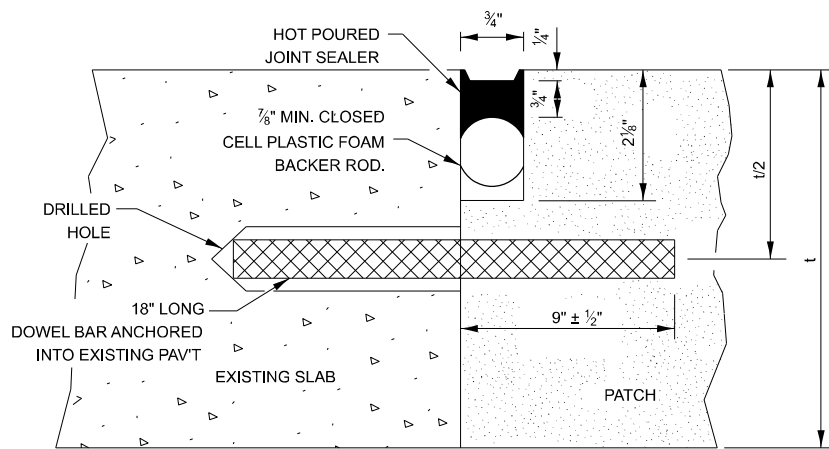
ALTERNATE SAWING DETAIL

(HMA SHOULDER)

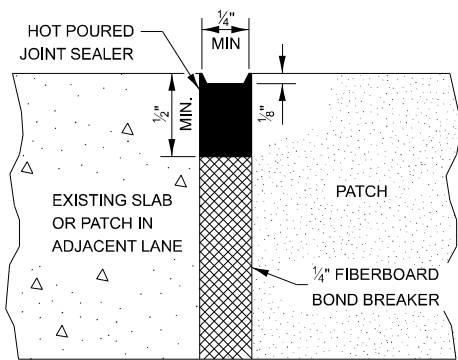


PAVEMENT SAWING DETAIL

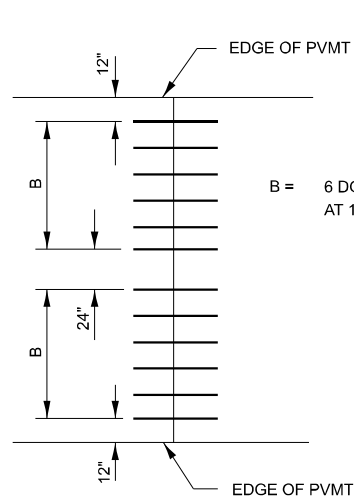
(PCC SHOULDER)



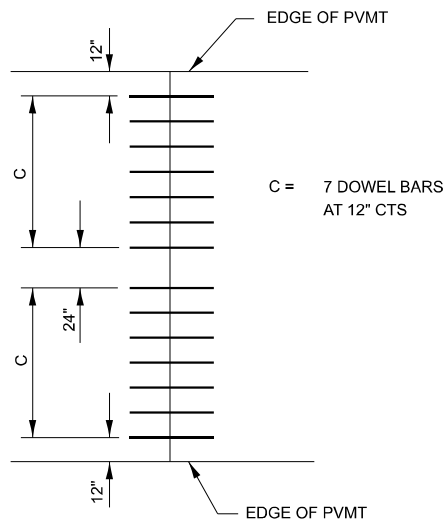
TRANSVERSE JOINT



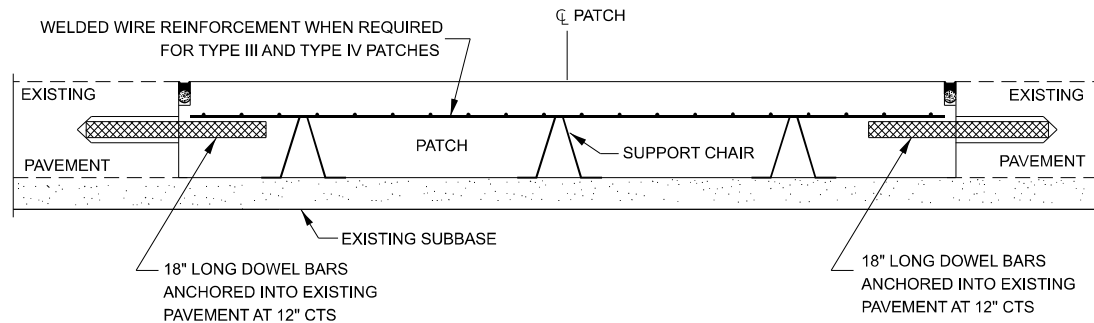
CENTERLINE JOINT



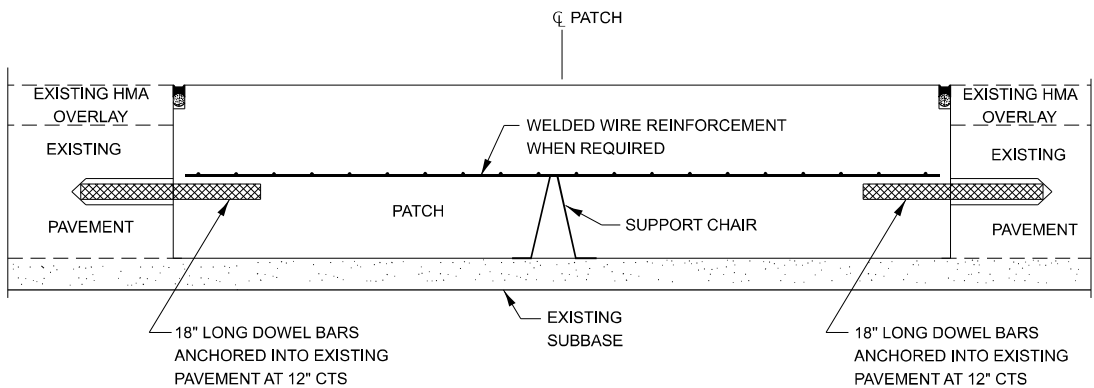
14' WIDE RAMP



16' WIDE RAMP



PATCHING WITHOUT HMA OVERLAY



PATCHING WITH HMA OVERLAY

GENERAL NOTES

THE TRANSVERSE JOINTS FOR CLASS B PATCHES SHALL ALIGN WITH JOINTS OR CRACKS IN THE ADJACENT LANE WHENEVER POSSIBLE.

SEE STANDARD 420701 FOR DETAILS OF PAVEMENT WELDED WIRE REINFORCEMENT.

DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
8" OR GREATER	1 1/2"	1 5/8"
7" THRU 7.99"	1 1/4"	1 3/8"
LESS THAN 7"	1"	1 1/8"

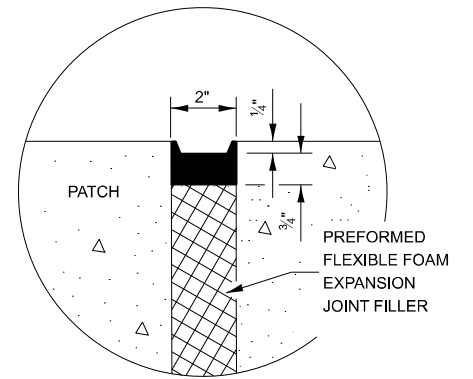
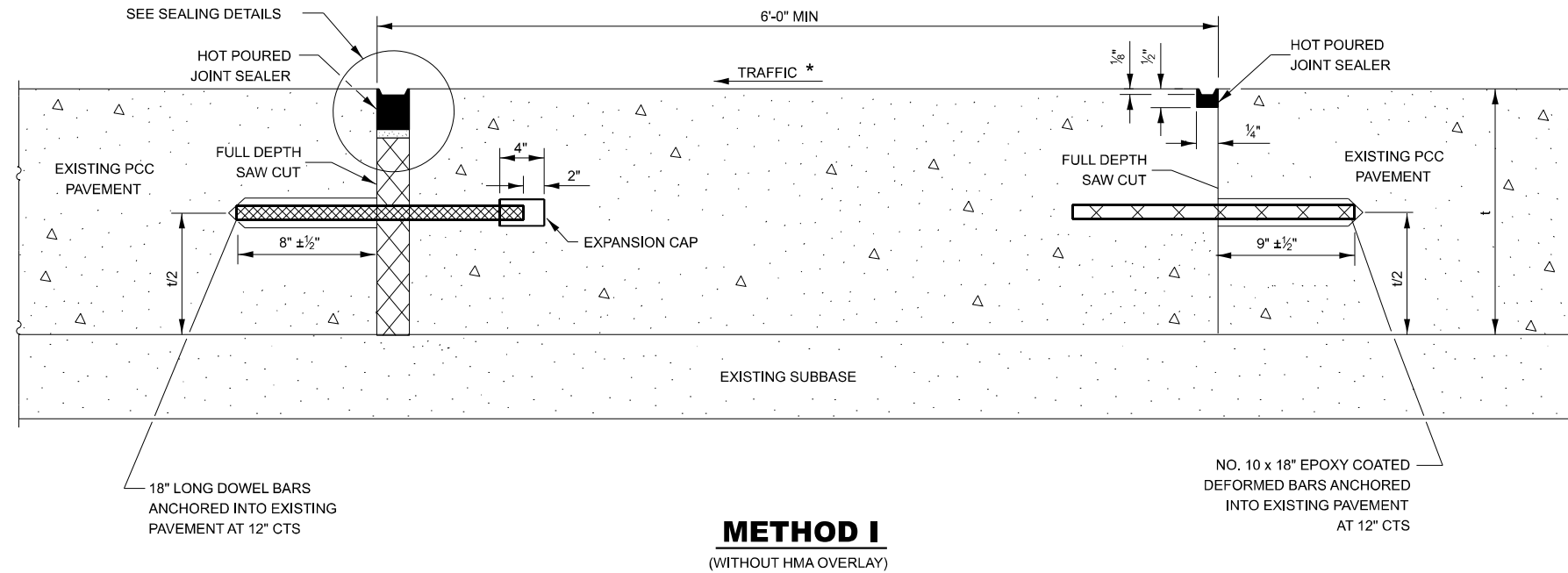
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CLASS B PATCH DETAILS

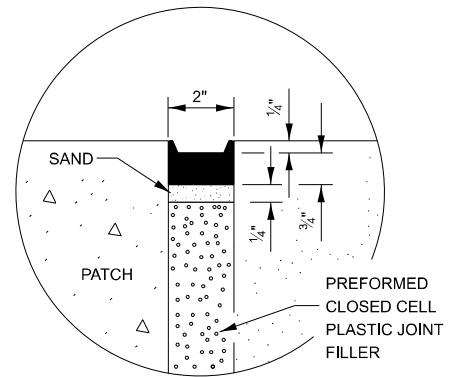
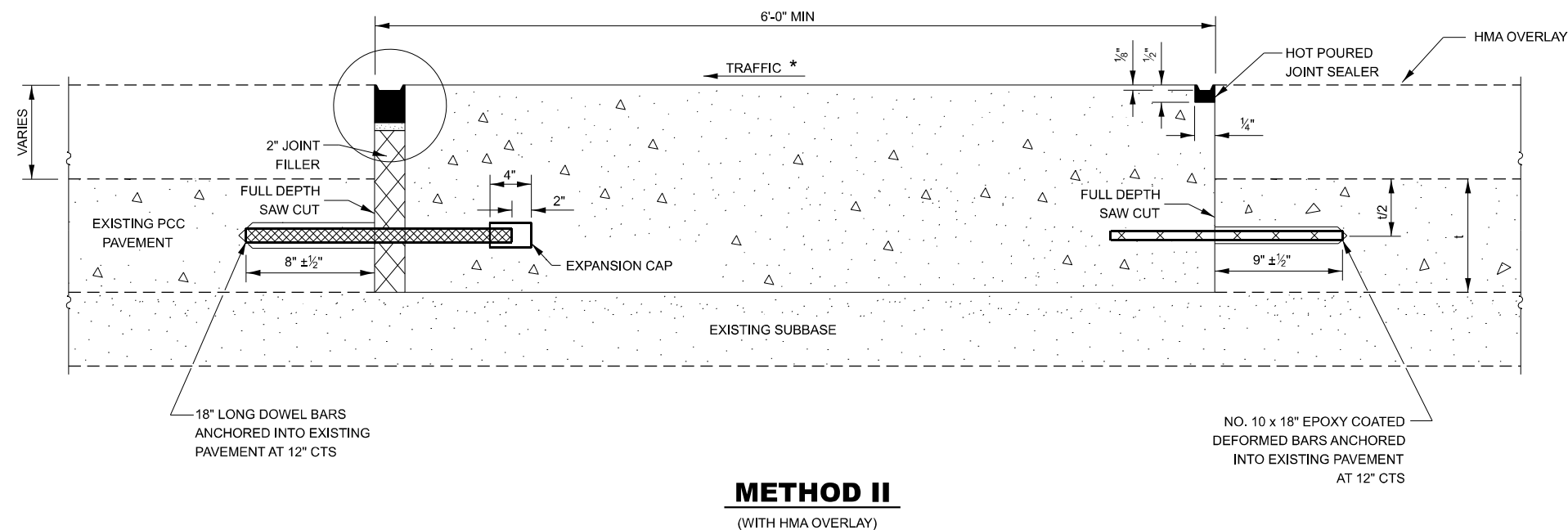
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(36)PP	IROQUOIS	9	7
CONTRACT NO. 66R17				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: c:\pwworking\woodshank\1051908\0366R17.dgn



SEALING DETAIL

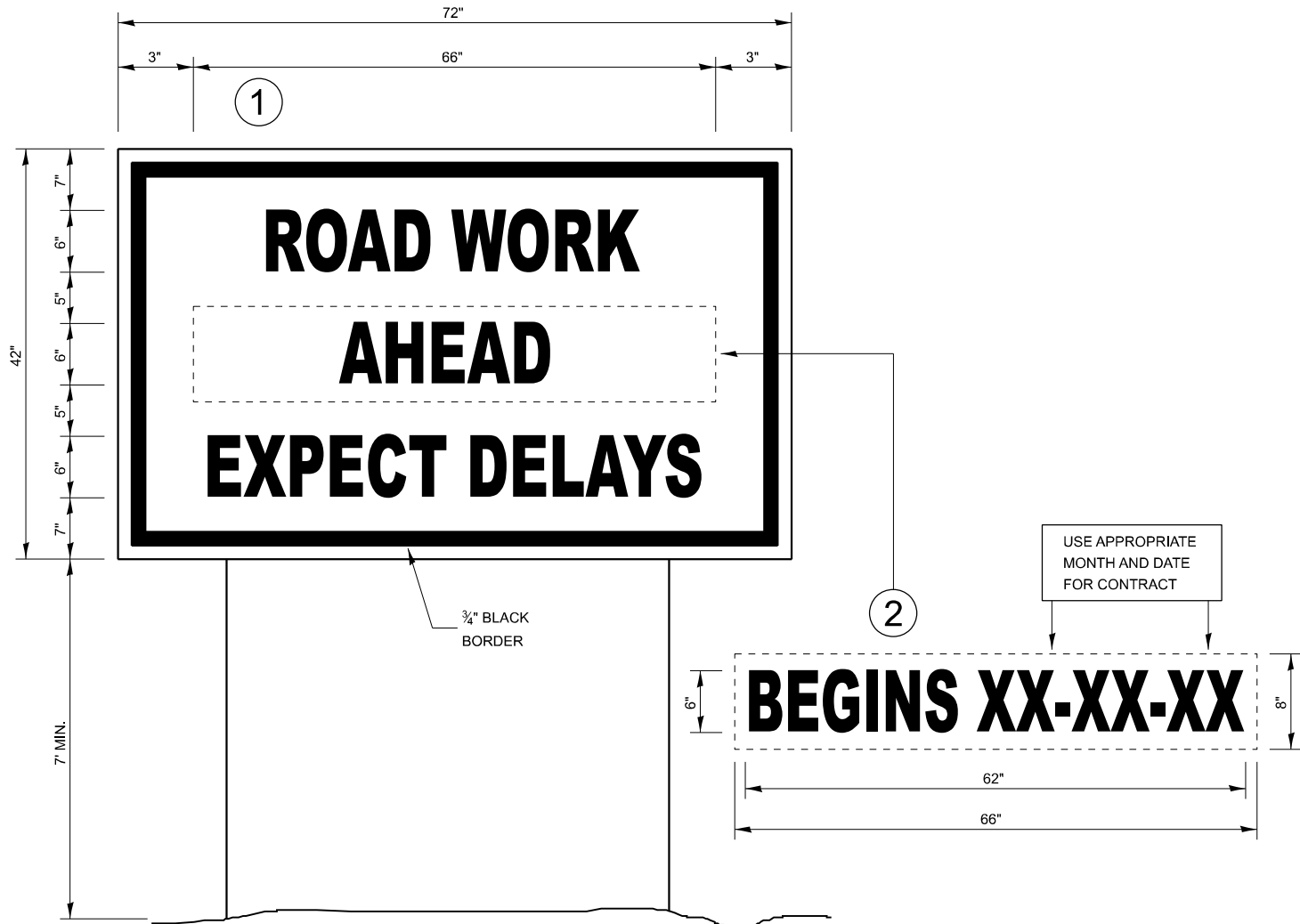


SEALING DETAIL

NOTE

* WHEN RE-ESTABLISHING A TRANSVERSE EXPANSION JOINT ON A TWO-WAY ROAD, REVERSE THE ORIENTATION OF THE DOWEL BARS WITH RESPECT TO TRAFFIC FOR ONE OF THE PATCHES SUCH THAT THE JOINT WILL BE CONTINUOUS ACROSS BOTH LANES.

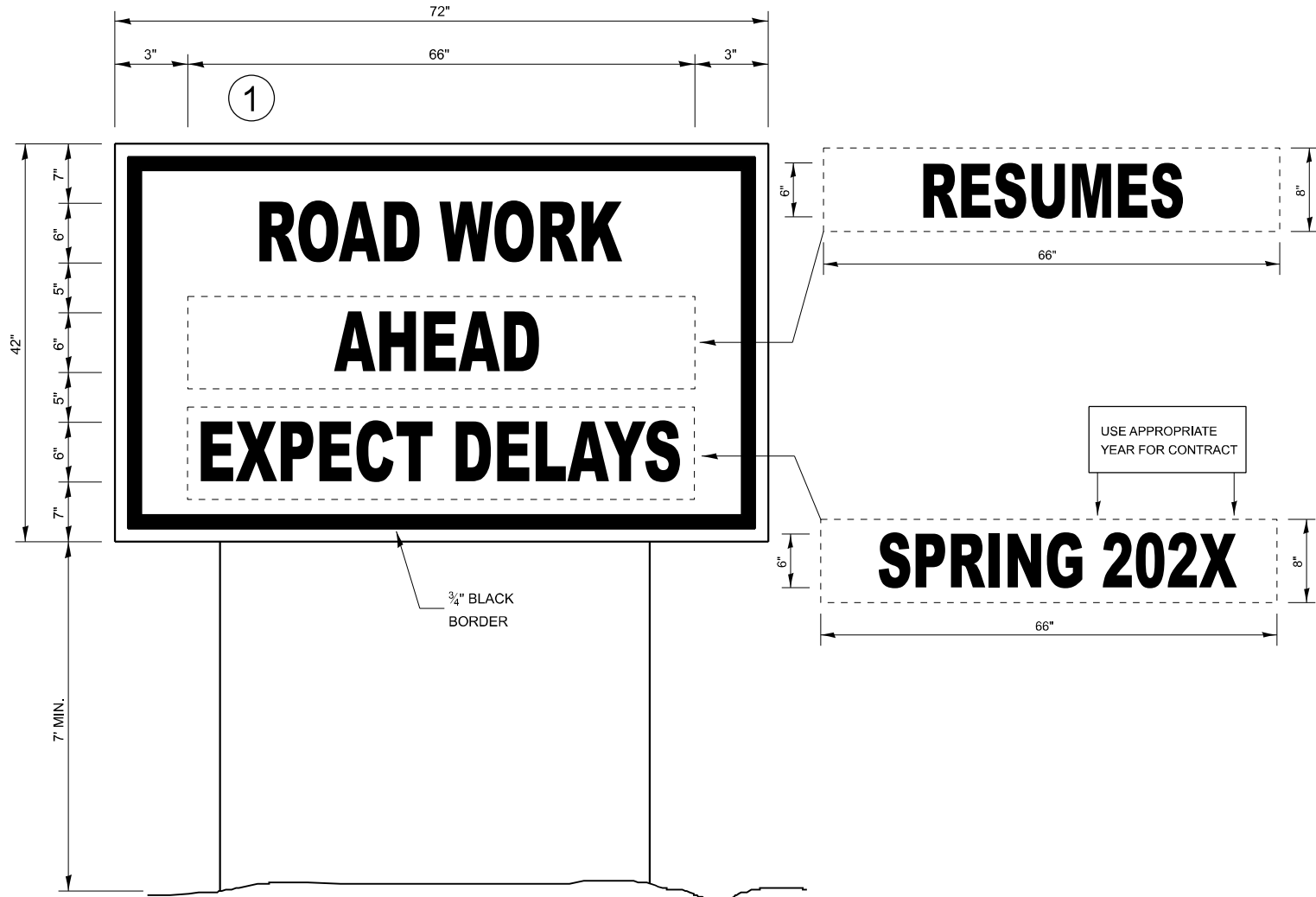
MODEL: Default
FILE NAME: c:\pwwork\woodshank\1051908\0366R17.dgn



TEMPORARY INFORMATION SIGNING

NOTES:

- USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
- ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
- ERECT SIGN①WITH INSTALLED PANEL②A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
- REMOVE PANEL②ON THAT DATE.
- SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT



WINTER SHUT DOWN SIGNING

	USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INFORMATION SIGNING			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RW	REVISED -					317	(36)PP	IROQUOIS	9	9
		CHECKED - JS	REVISED -		CONTRACT NO. 66R17							
	PLOT DATE = 1/2/2025	DATE - 1/2/2025	REVISED -		SCALE:	SHEET 2 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			