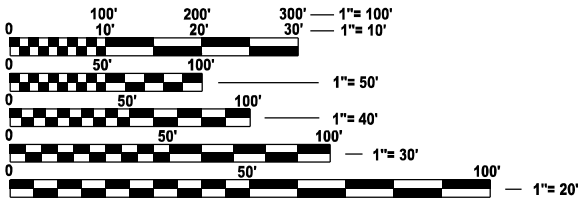


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- 3 - 5 SUMMARY OF QUANTITIES
- 6 - 8 TYPICAL SECTIONS
- 9 - 11 SCHEDULE OF QUANTITIES
- 12 LINE DIAGRAM
- 13 - 23 ROADWAY PLAN SHEETS
- 24 - 28 DETAILS

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- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
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- 406201-01 MAILBOX TURNOUT
- 442201-03 CLASS C AND D PATCHES
- 482011-03 HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- 642006-01 SHOULDER RUMBLE STRIPS, 8 IN.
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701456-05 PARTIAL EXIT RAMP CLOSURE, FREEWAY/EXPRESSWAY
- 701901-10 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFELCTIVE PAVEMENT MARKERS



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
UNIT CHIEF: RON WOODSHANK
DISTRICT 3 NO.: (815) 434-6131
CONTRACT NO. 66R19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

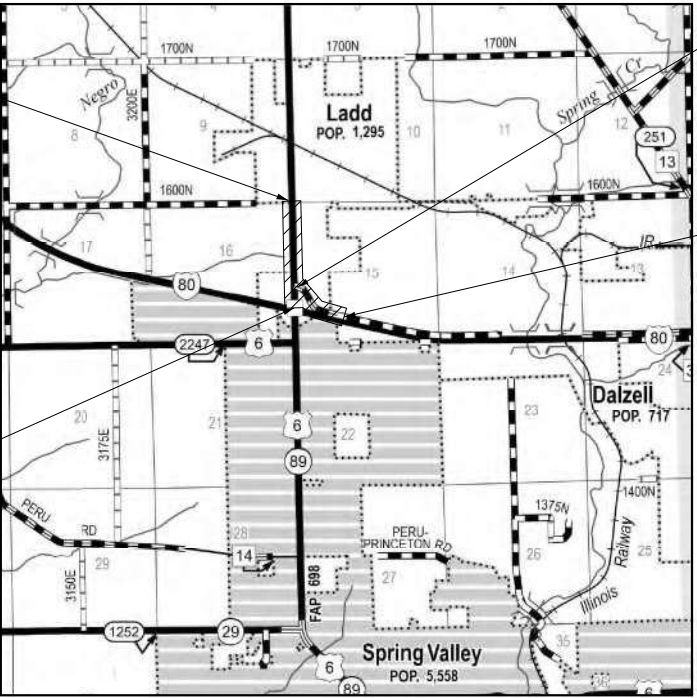
PROPOSED
HIGHWAY PLANS

FAP ROUTE 698 (IL 89)/I-80 FRONTAGE RD
SECTION (102, FRONTAGE RD.)RS-5
CONTRACT MAINTENANCE
BUREAU COUNTY

C-93-066-25
STP-0HLS(903)

END IMPROVEMENTS
IL 89
STA. 281+25

BEGIN IMPROVEMENTS
IL 89
STA. 242+16



BEGIN IMPROVEMENTS
FRONTAGE ROAD
STA. 70+23

END IMPROVEMENTS
FRONTAGE ROAD
STA. 91+66



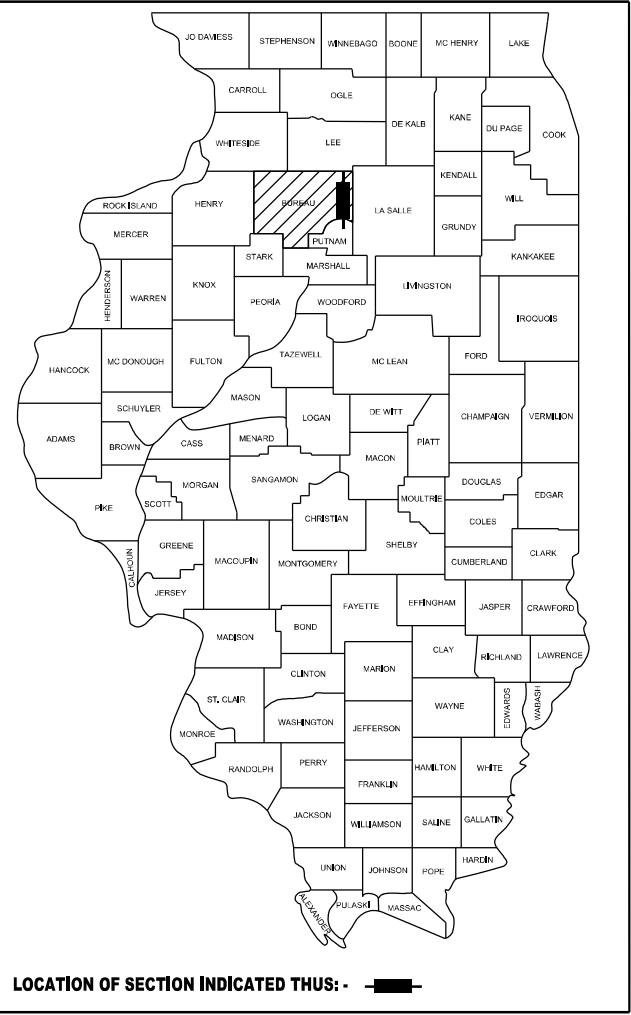
DATE: JANUARY 20 20 25
EXPIRES: NOVEMBER 30 20 25



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A Limited Liability Company
109 N. 37th Street, 3rd Floor
Springfield, IL 62793
Phone: 317-673-0804
Professional Design Firm No. 284-006516

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(102, FRONTAGE RD.)RS-5	BUREAU	28	1
		ILLINOIS	CONTRACT NO. 66R19	

D-93-040-25



FUNCTIONAL CLASSIFICATION

RURAL MINOR ARTERIAL
FAP ROUTE 698 (IL 89)
2020 ADT = 3800
P.V. = 89.7% S.U. = 4.6% M.U. = 5.7%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 5, 2025
Trisha Thompson REGIONAL ENGINEER
March 21, 2025
Scott A. Etk ENGINEER OF DESIGN AND ENVIRONMENT
March 21, 2025
Director of Highways Project Implementation

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

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

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD /INCH
SHORT TERM PAVEMENT MARKING	10	FT/100 FT OF APPLICATION

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT NO EXPENSE TO THE DEPARTMENT. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPlicing OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

COMMITMENTS

NONE.

HMA MIXTURE REQUIREMENT TABLE						
LOCATIONS:	IL 89 STA 242+16 - STA 262+56	IL 89 STA 242+16 - STA 262+56	IL 89 STA 262+56 - STA 281+25	IL 89 STA 262+56 - STA 281+25	FRONTAGE ROAD	FRONTAGE ROAD
MIXTURE USE(S):	HMA BINDER	HMA SURFACE	HMA BINDER	HMA SURFACE	HMA BINDER	HMA SURFACE
BINDER GRADE (PG):	SBS PG 70-28	SBS PG 70-28	SBS PG 70-28	PG 64-22	SBS PG 70-28	SBS PG 70-28
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70	4.0% @ N50	4.0% @ N70	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 9.5	IL 4.75	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE:		MIXTURE C		MIXTURE C		MIXTURE C
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA	QCQA	QCQA	QCQA	QCQA
SUBLOT SIZE:						
DENSITY TEST METHOD:	CORES / NUCLEAR	CORES / NUCLEAR	CORES / NUCLEAR	CORES / NUCLEAR	CORES / NUCLEAR	CORES / NUCLEAR
MATERIAL TRANSFER DEVICE (REQUIRED):	YES	YES	YES	YES	YES	YES

66R19 - IL 89 from I-80 to Ladd and Frontage Road to Ladd Yard

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT 3
AS-BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(102, FRONTAGE RD.)RS-5	BUREAU	28	2
		CONTRACT NO. 66R19		
		ILLINOIS	FED. AID PROJECT	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(102, FRONTAGE RD.)RS-5	BUREAU	28	3
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				CONTRACT MAINTENANCE 80% FED 20% STATE	
				ROADWAY	FRONTAGE ROAD
				0005 NONE	0005 NONE
35800100	PREPARATION OF BASE	SQ YD	5035		5035
35800200	AGGREGATE BASE REPAIR	TON	200		200
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	13910	12577	1333
40600370	LONGITUDINAL JOINT SEALANT	FOOT	6664	4523	2141
40600990	TEMPORARY RAMP	SQ YD	283	283	
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	243	243	
40603208	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	1136	1136	
40603235	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	636		636
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	454	454	
40604152	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	1702	1112	590
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	97	97	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	33	33	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	5615	5615	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	14623	9578	5045
44200050	WELDED WIRE REINFORCEMENT	SQ YD	86	86	

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	CHECKED - JS	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(102, FRONTAGE RD.)RS-5	BUREAU	28	4
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				CONTRACT MAINTENANCE 80% FED 20% STATE	
				ROADWAY	FRONTAGE ROAD
				0005 NONE	0005 NONE
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	59	59	
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	52	52	
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	35	35	
44201294	CLASS B PATCH - EXPANSION JOINT	FOOT	14	14	
44201299	DOWEL BARS 1 1/2"	EACH	240	240	
44213200	SAW CUTS	FOOT	606	606	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	344	227	117
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	4383	4383	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3660	3660	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	305	305	

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				CONSTRUCTION CODE	
				CONTRACT MAINTENANCE	
				80% FED 20% STATE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	FRONTAGE ROAD
				0005	0005
				NONE	NONE
* 78004600	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LETTERS AND SYMBOLS	SQ FT	168	168	
* 78004640	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 8"	FOOT	1186	1186	
* 78004720	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 24"	FOOT	50	50	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	24552	24552	
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1020	1020	
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	992	992	
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	168	168	
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	12276	12276	
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	510	510	
* 78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	1186	1186	
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	496	496	
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	50	50	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	51	51	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	51	51	
Z0017099	DOWEL BAR ASSEMBLY	EACH	1	1	
Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	7	7	
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	42	42	

*= SPECIALTY ITEM



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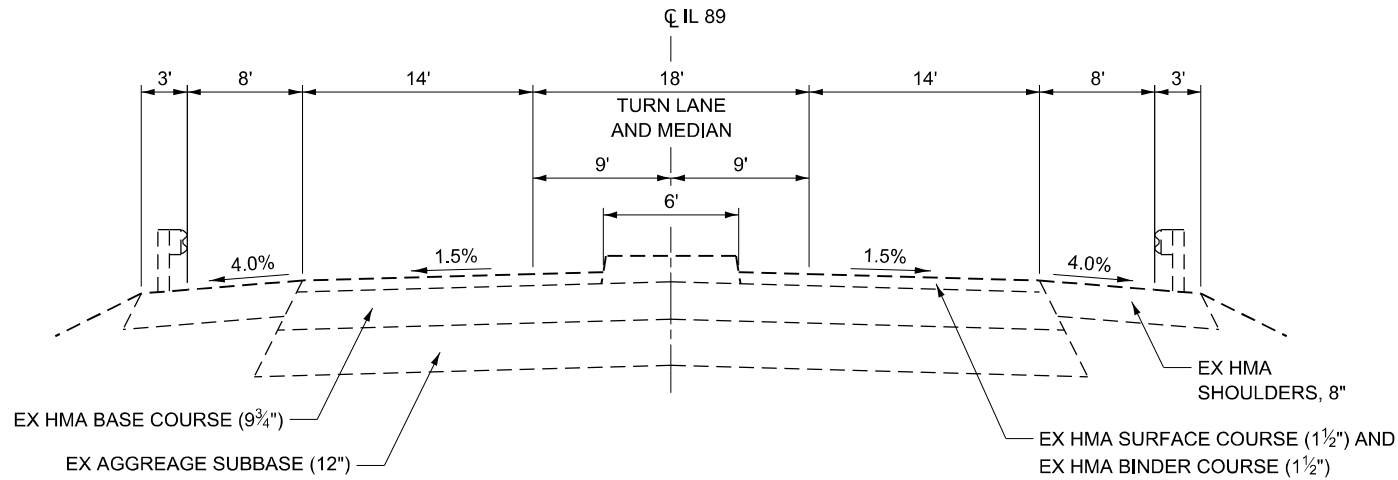
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

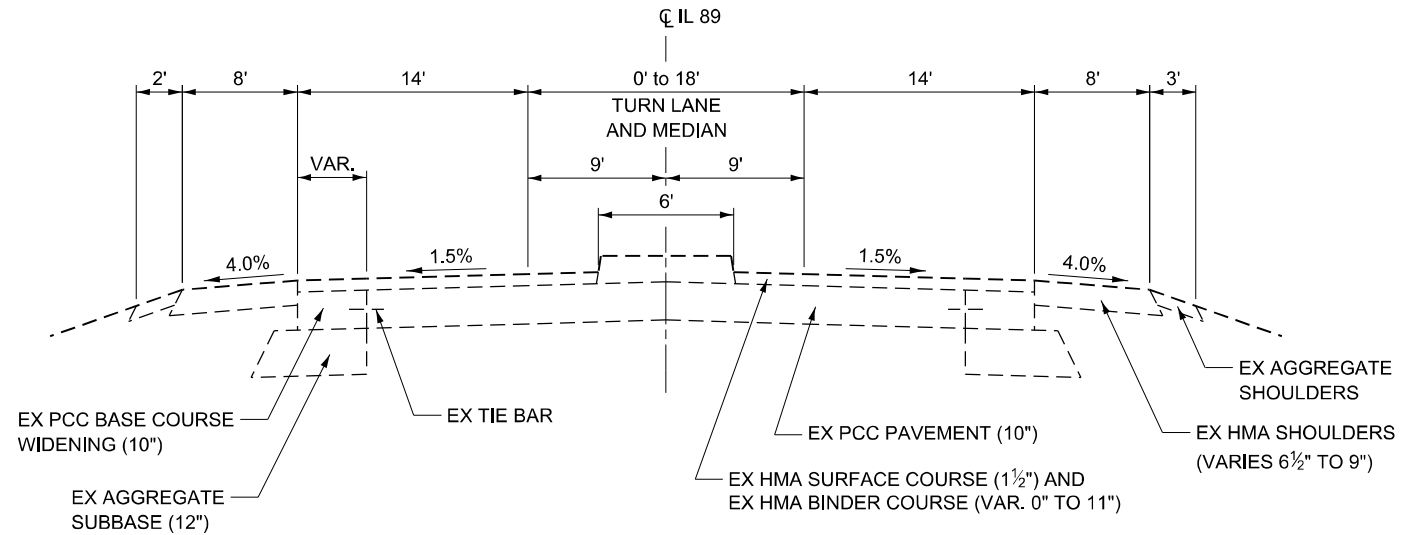
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(102, FRONTAGE RD.)RS-5	BUREAU	28	5
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				



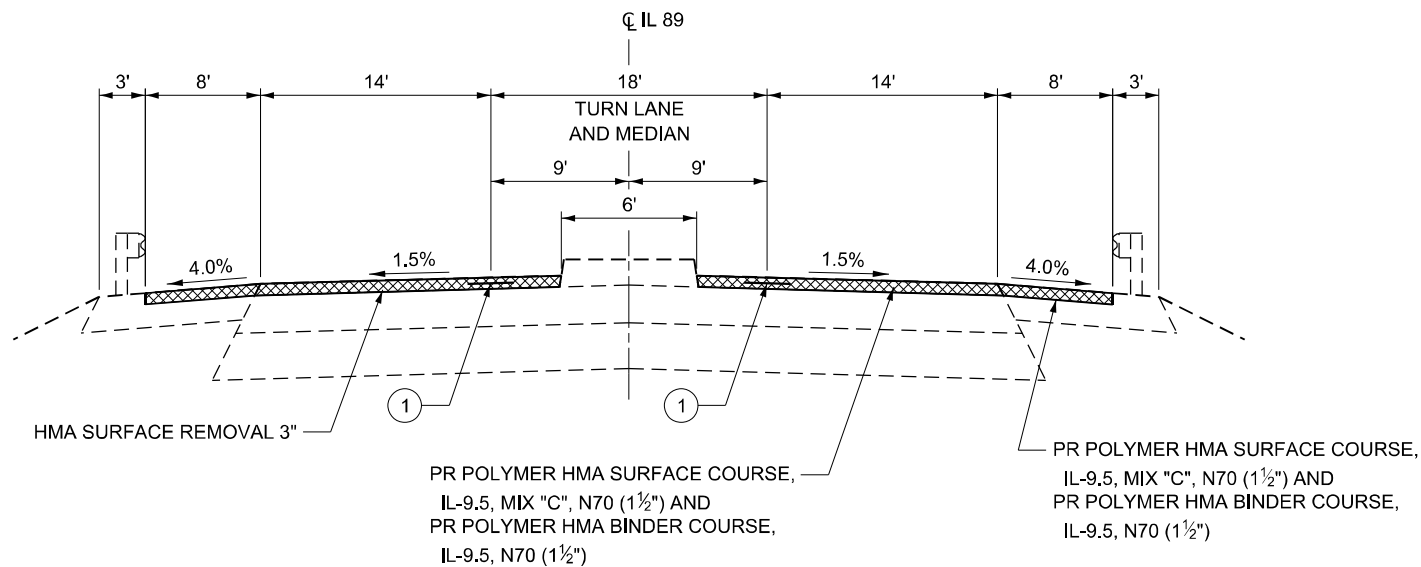
EXISTING TYPICAL SECTION

STA. 242+16 TO STA. 243+14



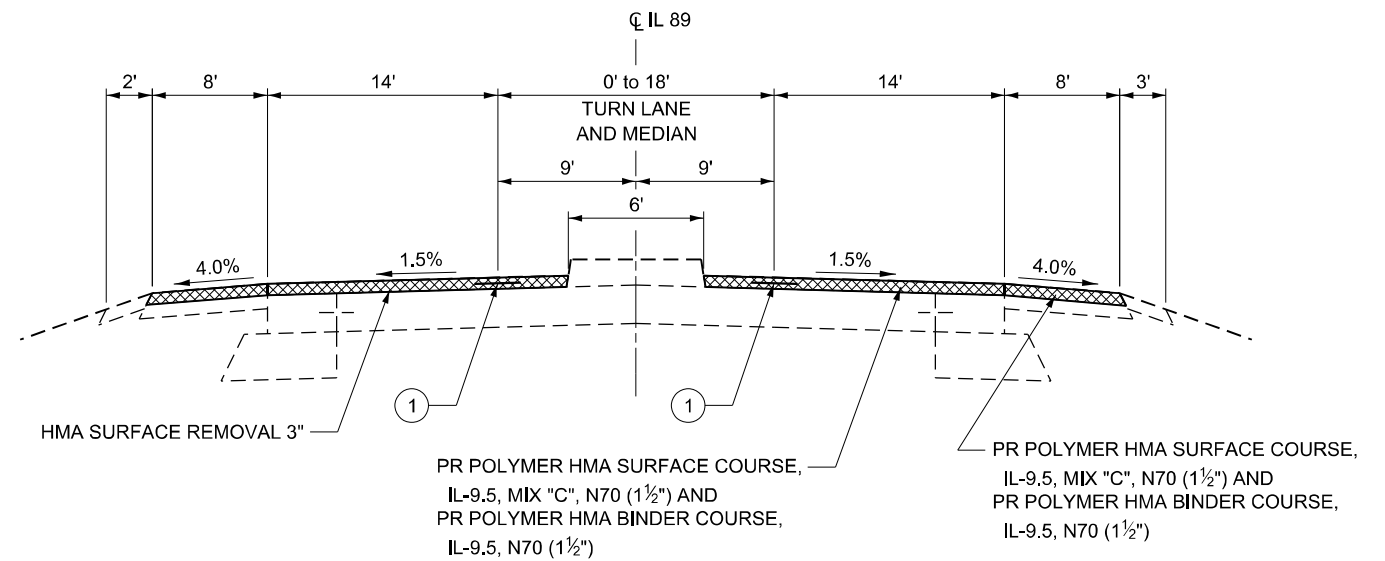
EXISTING TYPICAL SECTION

STA. 243+14 TO STA. 262+56



PROPOSED TYPICAL SECTION

STA. 242+16 TO STA. 243+14



PROPOSED TYPICAL SECTION

STA. 243+14 TO STA. 262+56

- ① PR LONGITUDINAL JOINT SEALANT BETWEEN HMA BINDER AND SURFACE COURSES AT CENTERLINE OR TURN LANE JOINT

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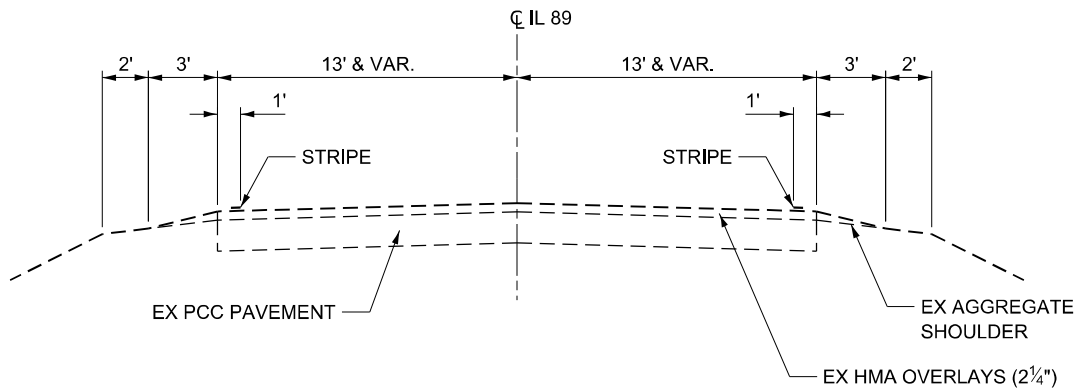
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DEPARTMENT OF TRANSPORTATION

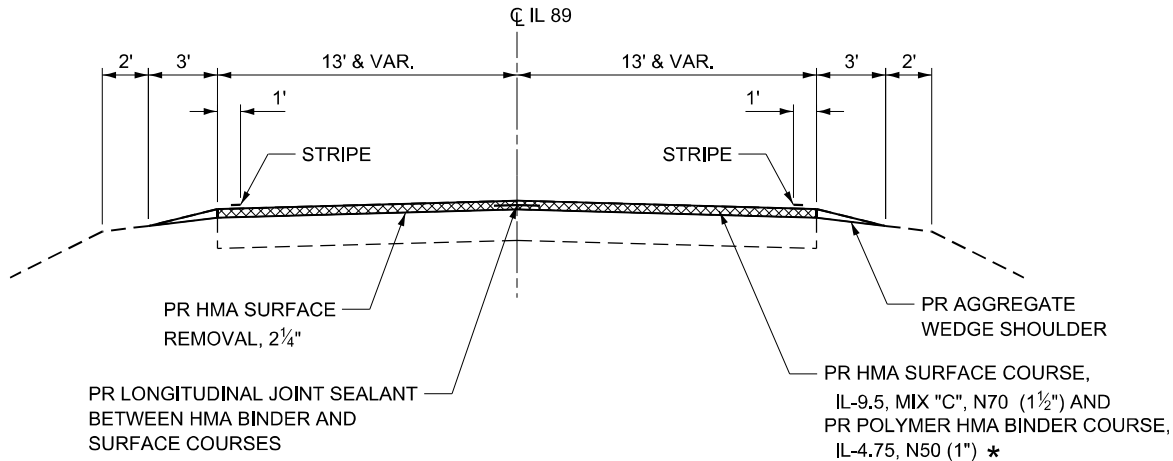
TYPICAL SECTIONS IL 89			
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(102, FRONTAGE RD.)RS-5	BUREAU	28	6
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION

STA. 262+56 TO STA. 281+25



PROPOSED TYPICAL SECTION

STA. 262+56 TO STA. 281+25

★ STA. 262+56 TO STA. 262+81
HMA BINDER COURSE TRANSITION FROM 1½" TO 1"

MODEL: Sheet
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STATE OF ILLINOIS

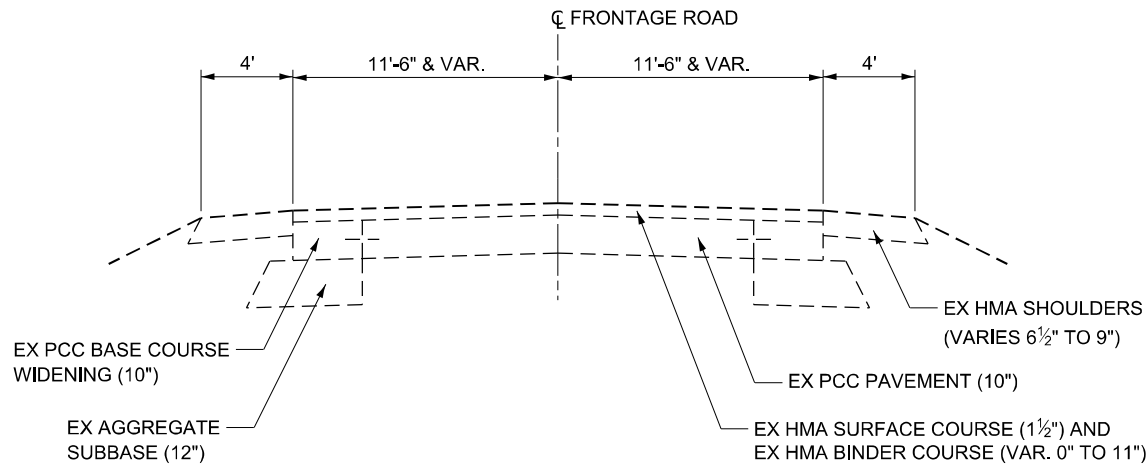
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

IL 89

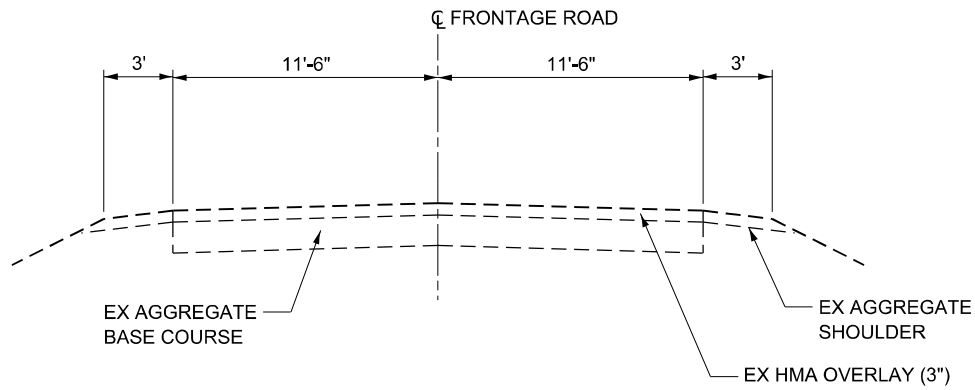
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698	(102, FRONTAGE RD.)RS-5	BUREAU	28	7
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				



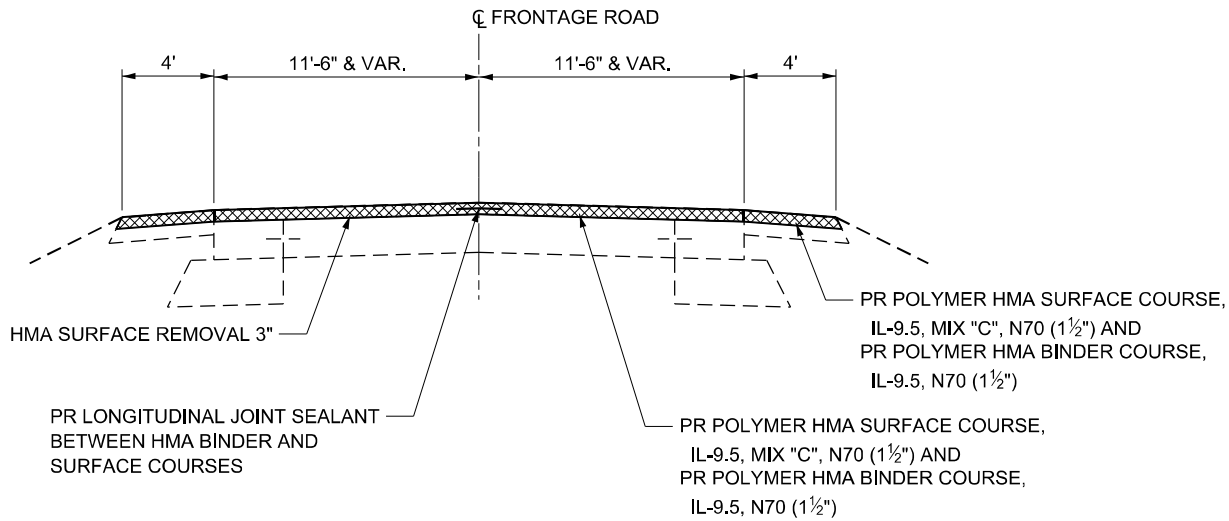
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STA. 70+23 TO STA. 71+96



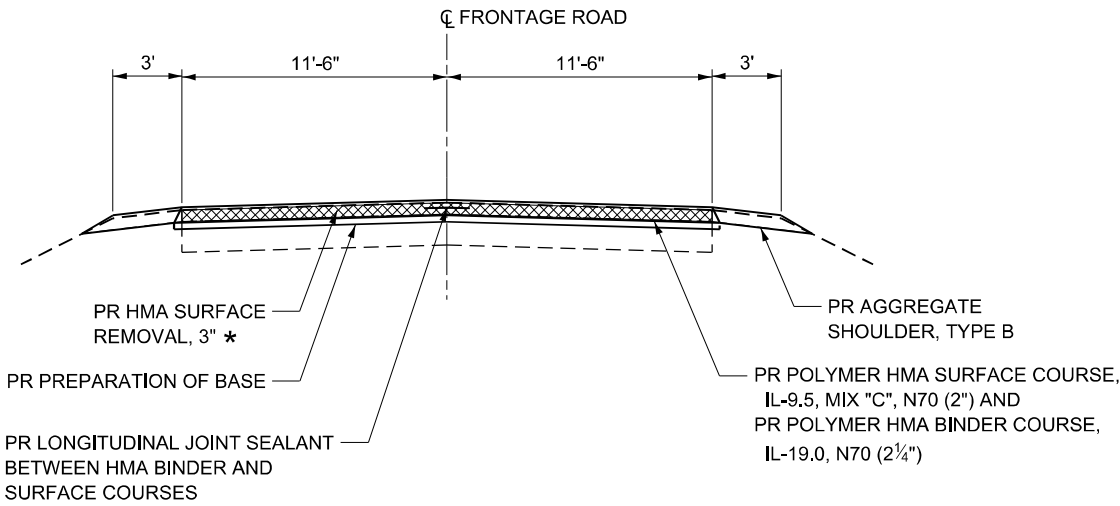
EXISTING TYPICAL SECTION

STA. 71+96 TO STA. 91+66



PROPOSED TYPICAL SECTION

STA. 70+23 TO STA. 71+96



PROPOSED TYPICAL SECTION

STA. 71+96 TO STA. 91+66

* STA. 89+34.5 TO STA. 89+84.5
HMA SURFACE REMOVAL TRANSITION 3" TO 4 1/4"
PAID FOR AS HMA SURFACE REMOVAL, 3"

STA. 89+84.5 TO STA. 91+66
HMA SURFACE REMOVAL, 4 1/4"
PAID FOR AS HMA SURFACE REMOVAL, 3"

MODEL: Sheet
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PLOT DATE = 1/17/2025	DATE - 11/19/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
FRONTAGE ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(102, FRONTAGE RD.)RS-5	BUREAU	28	8
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				

PAVING SCHEDULE																			
LOCATION			COMMENT	PREPARATION OF BASE	AGGREGATE BASE REPAIR	BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT	TEMPORARY RAMP	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HOT- MIX ASPHALT SURFACING	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	AGGREGATE WEDGE SHOULDER, TYPE B	SHOULDER RUMBLE STRIPS, 8 INCH
STATION	TO	STATION		SQ YD	TON	POUND	FOOT	SQ YD	TON	TON	TON	TON	TON	POUND	TON	SQ YD	SQ YD	TON	FOOT
IL 89 MANLINE																			
242+08	RT	244+10	RT			122				15.1			15.2						
242+08	RT	247+00	RT																492
242+10	RT	247+55	RT				545												
242+11								38.8											
242+11			NB LANE AFTER MILLING					19.4											
242+11	RT	247+10	RT															14.8	
242+11	RT	260+25	RT			1905				237.1			237.1				2822		
242+18	LT	260+25	LT			1898				236.1			236.1				2811		
242+18			SB LANE AFTER MILLING					23.3											
242+18			SB LANE AFTER BINDER					11.7											
242+18	LT	247+00	SB SHOULDER															14.3	
242+20	LT	245+63	LT			206				25.6			25.7						
242+20	LT	247+00	LT																480
244+10	RT	247+15	RT			204				25.6			25.7						
245+63	LT	247+00	LT			93				11.5			11.5						
246+34	CL	247+21	CL				£7												
246+95	LT	248+67	LT				172												
247+07	RT	250+75	RT				368												
248+40	LT	253+00	LT				450												
248+75	LT	262+56	LT																1381
248+78	LT	258+00	LT			692				86.1			86.1						
248+78	LT	281+25	LT															96.1	
249+16	CL	250+23	CL				107												
250+70	RT	255+75	RT			302				37.5			37.6						505
251+70	RT	255+74	RT															12	
255+55	RT	256+67	RT				112												
256+25	RT	275+00	RT															55.5	
256+24	RT		COMMERCIAL ENTRANCE																
256+75	RT	260+56	RT			229				28.5			28.5						
256+75	RT	262+56	RT																581
258+08	CL	281+25	CL				2517												
260+25	LT	261+75	LT			152				18.9			18.9				225		
261+75	LT	262+56	LT			79				9.8			9.8				117		
260+25	RT	261+75	RT			152				18.9			18.9				225		
260+56	RT	262+56	RT										11.2						
260+56	RT	262+56	RT			90				11.2									
261+75	RT	262+56	RT			79				9.8			9.8				117		
242+14	RT	247+40	RT			474				59.0			58.9				702		
246+33		247+20	MEDIAN TO MEDIAN GORE			39				4.8			4.8				57		
248+78	LT	251+35	LT			231				28.8			28.8				343		
249+15		250+33	MEDIAN TO MEDIAN GORE			39				4.9			4.9				58		
251+35	LT	252+95	LT			72				9.0			9.0				107		
258+00	LT	262+56	LT			240				29.8			29.9						
262+56	LT	263+56	LT						2.4										
262+56	RT	263+56	RT						2.4										
262+56	LT	281+25	LT			1823						226.8				2700			
262+56	RT	281+25	RT			1823						226.8				2700			
263+56	LT	281+25	LT						118.76										
263+56	RT	281+25	RT						118.76										
277+40	RT		COMMERCIAL ENTRANCE											33.8	9.5	75			
276+53	RT	277+17	RT															1.9	
277+64	RT	278+59	RT															2.8	
278+73	RT		COMMERCIAL ENTRANCE											27	7.6	60			
278+90	RT	279+40	RT															1.5	
279+49	RT		PRIVATE ENTRANCE											13.5	3.8	30			
279+61	RT	280+16	RT												5.5				
280+30	RT		PRIVATE ENTRANCE											22.5	6.3	50			
280+50	RT	281+25	RT															2.2	
281+25			NB LANE AFTER MILLING					10.8											
281+25			NB LANE AFTER BINDER					7.2											
281+25			SB LANE AFTER MILLING					10.8											
281+25			SB LANE AFTER BINDER					7.2											

MODEL - Schedule Sheet
FILE NAME: I:\2022\22068.10 DOT D3 - PTB 205-023 - WO10 - Bureau County 66R19\CADDData\CADSheets\D366R19-ht-Schedules\02.dgn

PAVING SCHEDULE																			
LOCATION			COMMENT	PREPARATION OF BASE	AGGREGATE BASE REPAIR	BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT	TEMPORARY RAMP	POLYMERIZED HOT-MIX ASHPALT BINDER COURSE, IL-4.75, N50	POLYMERIZED HOT-MIX ASHPALT BINDER COURSE, IL-9.5, N70	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HOT- MIX ASPHALT SURFACING	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	AGGREGATE WEDGE SHOULDER, TYPE B	SHOULDER RUMBLE STRIPS, 8 INCH
STATION	TO	STATION		SQ YD	TON	POUND	FOOT	SQ YD	TON	TON	TON	TON	TON	POUND	TON	SQ YD	SQ YD	TON	FOOT
NW RAMP (WB I-80 ENTRANCE)																			
RADIUS RETURN					385					47.9			47.9				570		
99+15	LT	100+85	LT				170												
99+50	RT	100+85	RT				135												
100+10	LT	248+78	SHOULDER			111				13.9			13.9					1.4	143
100+10	RT	247+00	SHOULDER			44				5.4			5.4					1.8	55
100+10			AFTER MILLING					55.6											
100+10			AFTER BINDER					27.8											
NE RAMP (WB I-80 EXIT)																			
RADIUS RETURN					342					42.6			42.6				507		
74+25	GORE	75+00					50												
74+75	RT	249+00	SHOULDER			98				12.2			12.2					4.3	140
74+75	LT	247+00	SHOULDER			34				4.2			4.2					2.2	70
74+75			AFTER MILLING					46.7											
74+75			AFTER BINDER					23.3											
FRONTAGE ROAD																			
RADIUS RETURN					619					77.0			77.0				917		
70+25		71+96					171												
71+96		91+66		5035	200		1970												
71+96	LT	91+70	LT			568					317.8		282.5				2522.3	58.5	
71+96	RT	91+70	RT			568					317.8		282.5				2522.3	58.5	
71+96	LT	250+70				129				16.1			16.2					10.2	346
71+96	RT	249+00				68				8.4			8.4					5.7	190
90+24	LT		COMMERCIAL ENTRANCE																
TOTAL				5,035	200	13,910	6,664	282.6	242.32	1,135.7	635.6	453.6	1,701.2	96.8	32.7	5,615	14,622.6	343.7	4,383
USE				5,035	200	13,910	6,664	283	243	1,136	636	454	1,702	97	33	5,615	14,623	344	4,383

PATCHING SCHEDULE												
LOCATION		PATCH LENGTH	PATCH WIDTH	WELDED WIRE REINFORCEMENT	CLASS B PATCHES, TYPE II, 10 INCH	CLASS B PATCHES, TYPE III, 10 INCH	CLASS B PATCHES, TYPE IV, 10 INCH	CLASS B PATCH - EXPANSION JOINT	DOWEL BARS 1 1/2"	SAW CUTS	DOWEL BAR ASSEMBLY	DRILL AND GROUT #6 TIE BARS
STATION		FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	EACH	FOOT	EACH	EACH
IL 89 MAINLINE												
246+25	SB	22	14	34.2			34.2		24	86	1	7
246+25	NB	12	14	18.7		18.7			24	66		
250+85	NB	6	14		9.3				24	54		
254+20	NB	8	14		12.4				24	58		
258+75	SB	10	14	15.6		15.6			24	62		
260+25	NB	6	14		9.3				24	54		
260+50	SB	11	14	17.1		17.1			24	64		
261+30	NB	6	14		9.3				24	54		
261+30	SB	6	14		9.3				24	54		
216+60	NB	6	14		9.3			14	24	54		
TOTAL				85.6	58.9	51.4	34.2	14	240	606	1	7
USE				86	59	52	35	14	240	606	1	7



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
696	(102, FRONTAGE RD.)RS-5	BUREAU	28	10
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				

MODEL - Schedule Sheet
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PAVEMENT MARKING SCHEDULE																											
LOCATION			COMMENT	SHORT TERM PAVEMENT MARKING			SHORT TERM PAVEMENT MARKING REMOVAL	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LETTERS AND	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"		MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 8"	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"		PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, - STANDARD - LINE 24"	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING 5"	GROOVING FOR RECESSED PAVEMENT MARKING 7"	GROOVING FOR RECESSED PAVEMENT MARKING 9"	GROOVING FOR RECESSED PAVEMENT MARKING 13"	GROOVING FOR RECESSED PAVEMENT MARKING 25"	RAISED REFLECTIVE PAVEMENT MARKER			RAISED REFLECTIVE PAVEMENT MARKER REMOVAL		
				NO. OF APPL.	APPL. LENGTH	TOTAL LENGTH			WHITE	YELLOW			YELLOW	WHITE								WHITE	YELLOW	MONO (A)		MONO (W)	B-DIR (A)
STATION	TO	STATION		FOOT	FOOT	SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH		
IL 89 MAINLINE																											
242+10	RT	246+32	RT	NB LT TURN LANE	4	44	176	15	62.4			422				62.4			422				11		11		
242+08	RT	247+05	RT	NB SHLD MEDIAN ISLAND EDGE LINES	4	12	48	4		497							497										
242+15		246+37										844						844									
242+22	LT	246+95	LT								473							473									
246+14					THRU ARROW	4	51	204	17	11.5							11.5										
247+20		249+20		MEDIAN ISLAND EDGE LINES							400						400										
247+42		249+57		NB ISLAND TO ISLAND	4	24	96	8																			
248+78	LT	281+30	LT							3,252							3,252										
250+06	LT	251+36	LT	6-2 SKIP DASH								130							130								
250+21		255+59		MEDIAN ISLAND EDGE LINES							1,076						1,076										
250+70	RT	262+56	RT	NB SHLD	4	24	96	8																			
250+72	RT	281+30	RT							3,058							3,058										
251+36	LT	252+94	LT	6-2 SKIP DASH								40							40								
261+00		263+10		NO PASS ZONE							210						210										
261+00		281+25		CL SKIP DASH	4	204	816	68																			
242+20	LT	247+00	LT	SB SHLD	4	12	48	4																			
247+30	LT	248+05	LT	SB SHLD	4	8	32	3																			
248+25	RT	249+15	RT	6-2 SKIP DASH								22							22								
248+45				RT TURN ARROW	4	48	192	16	15.6							15.6											
248+78	LT	262+56	LT	SB SHLD	4	28	112	9																			
248+97				RT TURN ARROW	4	48	192	16	15.6							15.6											
250+06	LT	253+00	LT	SB TURN LANE	4	32	128	11																			
250+26	LT	251+36	LT	LT TURN ARROWS	4	96	384	32	31.2							31.2											
256+66	LT	256+90	LT	MEDIAN ISLAND							24						24										
256+66	RT	257+48	LT	MEDIAN ISLAND							58						58										
256+90	LT	261+00	LT	MEDIAN ISLAND	4	41	164	14			820						820										
256+90	RT	261+00	RT	MEDIAN ISLAND	4	35	140	12			704						704										
258+93		261+00		MEDIAN DIAGONALS										11					11								
259+08	CL	281+25	CL	CENTERLINE																		28		28			
261+00		281+25		CL SKIP DASH								510						510									
NW RAMP (WB I-80 ENTRANCE)																											
100+10	RT	247+00			4	8	48	3			55						55					2			2		
100+10	LT	248+78			4	16	64	5		143							143						4		4		
247+32	LT	248+07	LT	RAMP ISLAND								207	212						207	212							
NE RAMP (WB I-80 EXIT)																											
74+75	LT	247+00								84							84					3			3		
74+75	RT	249+00									144						144										
74+75	RT	120' WEST																			3			3			
74+75		247+00			4	12	48	4																			
74+75		249+00			4	16	64	5																			
74+93				LT TURN ARROW	4	48	192	16	15.6							15.6											
74+93				RT TURN ARROW	4	48	192	16	15.6							15.6											
75+16	LT			SB STOP BAR											16						16						
75+16	RT			NB STOP BAR											18						18						
247+37	RT	248+22	RT	RAMP ISLAND								225	149						225	149							
FRONTAGE ROAD																											
71+45	RT			NB STOP BAR											16						16						
71+96	LT	247+00								191																	
71+96	RT	249+00			4	20	80	7									191										
71+96	LT	250+70			4	36	144	12																			
71+96	RT	250+70								243							243										
249+15	RT	249+59	RT	ISLAND								140	124						140	124							
SUB TOTAL							3,660	305	167.5	7,941	4,335	510	1,186	485	11	50	168	12,276	510	1,186	496	50	8	15	28	51	
TOTAL							3,660	305	167.5		12,276	510	1,186		496	50	168	12,276	510	1,186	496	50				51	
NUMBER OF APPLICATIONS									1	2		2	1	2	1												
TOTAL									168	24,552	1,020	1,186		992	50												

NOTE: SHORT TERM PAVEMENT MARKING APPLICATIONS CONSIST OF MILLING / TACK / BINDER / SURFACE.



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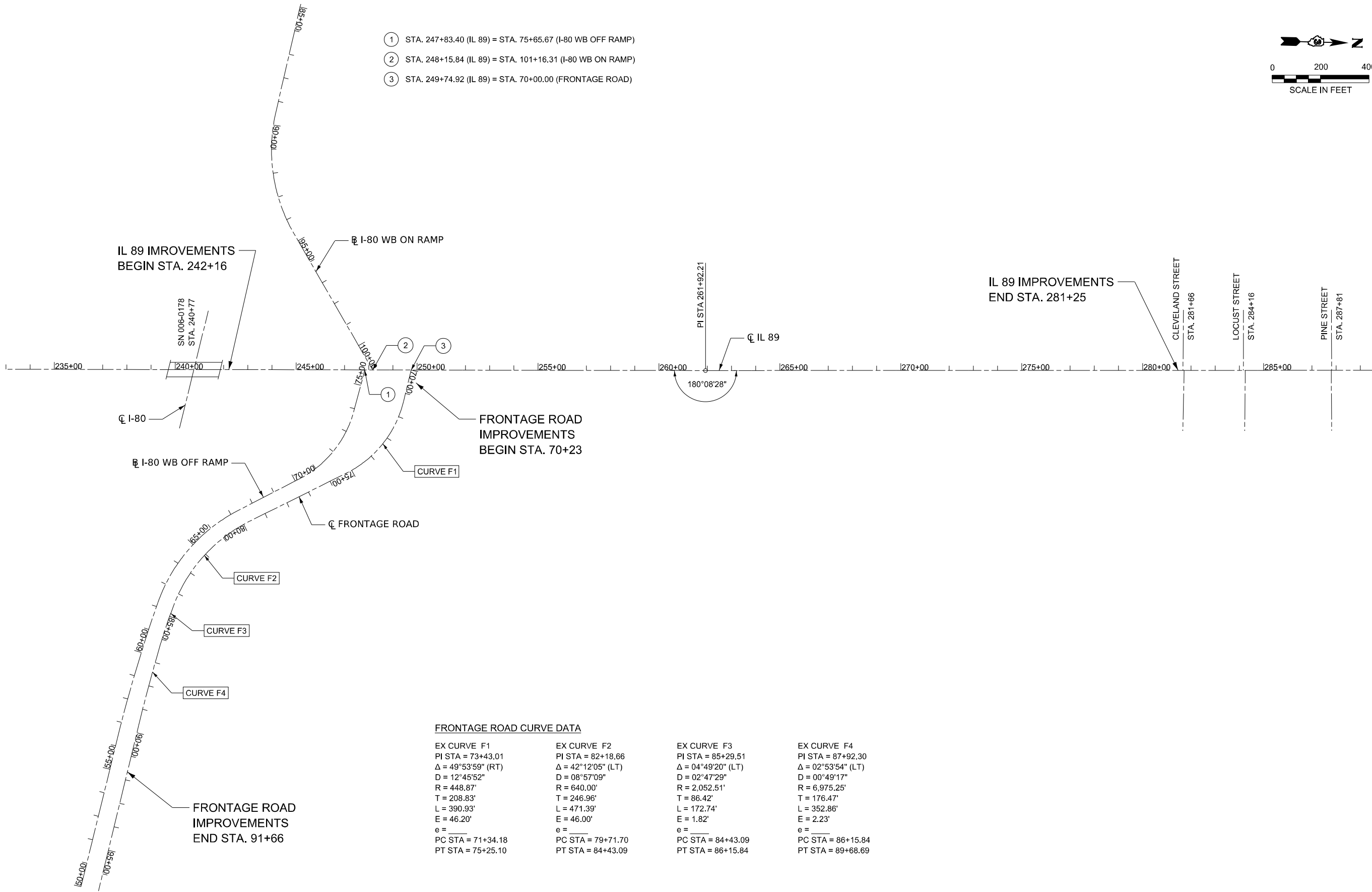
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
696	(102, FRONTAGE RD.,RS-5	BUREAU	28	11
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				

MODEL: Diagram Sheet
FILE NAME: I:\2022\22069.10 DOT D3 - PTB 205-023 - WO10 - Bureau County 66R19\CADData\CADSheets\D366R19-sh-LineDiagram.dgn



FRONTAGE ROAD CURVE DATA

EX CURVE F1
PI STA = 73+43.01
 $\Delta = 49^\circ 53' 59''$ (RT)
D = $12^\circ 45' 52''$
R = 448.87'
T = 208.83'
L = 390.93'
E = 46.20'
e = _____
PC STA = 71+34.18
PT STA = 75+25.10

EX CURVE F2
PI STA = 82+18.66
 $\Delta = 42^\circ 12' 05''$ (LT)
D = $08^\circ 57' 09''$
R = 640.00'
T = 246.96'
L = 471.39'
E = 46.00'
e = _____
PC STA = 79+71.70
PT STA = 84+43.09

EX CURVE F3
PI STA = 85+29.51
 $\Delta = 04^\circ 49' 20''$ (LT)
D = $02^\circ 47' 29''$
R = 2,052.51'
T = 86.42'
L = 172.74'
E = 1.82'
e = _____
PC STA = 84+43.09
PT STA = 86+15.84

EX CURVE F4
PI STA = 87+92.30
 $\Delta = 02^\circ 53' 54''$ (LT)
D = $00^\circ 49' 17''$
R = 6,975.25'
T = 176.47'
L = 352.86'
E = 2.23'
e = _____
PC STA = 86+15.84
PT STA = 89+68.69



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	CHECKED - JS	REVISED -
PLOT DATE = 12/16/2024	DATE - 10/29/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LINE DIAGRAM

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(102, FRONTAGE RD.)RS-5	BUREAU	28	12
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				

MODEL: 89 - IL 89 Plan 2
FILE NAME: I:\2022\22068.10\DOT D3 - PTB 205-023 - WO10 - Bureau County 66R19\CADData\CADSheets\D366R19-sh-Plan-IL 89-42.dgn

KT

KUHN & TRELLO

CONSULTING ENGINEERS

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109 N. 7th Street, 3rd Floor

Springfield, IL 62701

Phone: 217-698-0244

Professional Design Firm No. 184-006556

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REVISED	-
REVISED	-

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN

IL 89

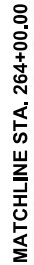
SCALE: 1"=20'

SHEET 2 OF 11 SHEETS

STA. 246+00.00 TO STA. 252+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
696	(102, FRONTAGE RD.)RS-5	BUREAU	28	14
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				





KUHN & TRELLO
CONSULTING ENGINEERS
A Limited Liability Company
109 N. 7th Street, 3rd Floor
Springfield, IL 62701
Phone: 217-679-0044
Professional Design Firm No. 184-006516

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'	SHEET 5	OF 11	SHEETS	STA. 264+00.00	TO STA. 270+00.00
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MODEL: 89 - IL 89 Plan 6
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109 N. 7th Street, 3rd Floor

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Professional Design Firm No. 184-006556

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PLOT DATE	= 1/15/2025

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REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL 89

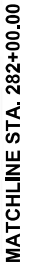
SCALE: 1"=20' SHEET 6 OF 11 SHEETS STA. 270+00.00 TO STA. 276+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(102, FRONTAGE RD.JRS-5	BUREAU	28	18
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 270+00.00



MATCHLINE STA. 276+00.00



MODEL: F-ROAD - Frontage Rd Plan 1
FILE NAME: I:\2022\22068.10 DOT D3 - PTB 205-023 - WO10 - Bureau County 66R19\CADData\CADSheets\D366R19-sh-H-Plan-FrontBd-01.dgn

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109 N. 7th Street, 3rd Floor

Springfield, IL 62701

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Professional Design Firm No. 184-006556

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
FRONTAGE ROAD

SCALE: 1"=20'

SHEET 8 OF 11 SHEETS

STA. 70+00.00 TO STA. 76+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(102, FRONTAGE RD.,RS-5	BUREAU	28	20
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				

MODEL: F-ROAD - Frontage Rd Plan 2
FILE NAME: I:\2022\22068.10 DOT D3 - PTB 205-023 - WO10 - Bureau County 66R19\CADData\CADSheets\0366R19-sh-FPlan-FrontBd-02.dgn

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PLOT DATE	= 1/9/2025

DESIGNED	- JS
DRAWN	- MS
CHECKED	- JS
DATE	- 11/07/24
PLOT DATE	= 1/9/2025

REVIS	-
REVIS	-
REVIS	-
REVIS	-
REVIS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
FRONTAGE ROAD

SCALE: 1"=20'

SHEET 9 OF 11 SHEETS

STA. 76+00.00 TO STA. 82+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
696	(102, FRONTAGE RD.)RS-5	BUREAU	28	21
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				



MODEL: F-ROAD - Frontage Rd Plan 3
FILE NAME: I:\2022\22068.10 DOT D3 - PTB 205-023 - W010 - Bureau County 66R19\CADData\CADSheets\D366R19-sh-Plan-FrontRd-03.dgn



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PLOT DATE	= 1/9/2025

DESIGNED	- JS
DRAWN	- MS
CHECKED	- JS
DATE	- 11/07/24

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

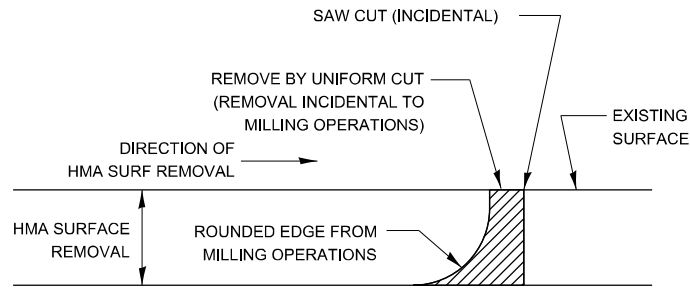
ROADWAY PLAN FRONTAGE ROAD			
SCALE: 1"=20'	SHEET 10	OF 11 SHEETS	STA. 82+00.00 TO STA. 88+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(102, FRONTAGE RD.,RS-5	BUREAU	28	22
CONTRACT NO. 66R19				
ILLINOIS				FED. AID PROJECT



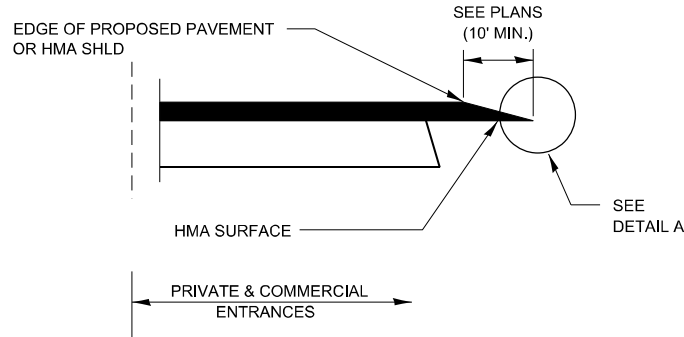
MODEL - F-ROAD - Frontage Rd Plan 4
FILE NAME: I:\2022\202069.10 IDOT D3 - PTB 205-023 - WO10 - Bureau County\66R19\CADData\CADsheets\I356R19-sh-Plan-FrontRd-04.dgn

K T KUHN & TRELLO CONSULTING ENGINEERS A Limited Liability Company 100 N. 7th Street, 3rd Floor Springfield, IL 62702 Phone: 217-629-0044 Professional Firm No. 184-006336	USER NAME = msutheard	DESIGNED - JS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN FRONTAGE ROAD					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MS	REVISED -							698	(102, FRONTAGE RD.)RS-5	BUREAU	28	23
		CHECKED - JS	REVISED -		CONTRACT NO. 66R19									
	PLOT DATE = 1/15/2025	DATE = 11/07/24	REVISED -		SCALE: 1"=20'	SHEET 11	OF 11 SHEETS	STA. 88+00.00	TO STA. 94+00.00	ILLINOIS	FED. AID PROJECT			

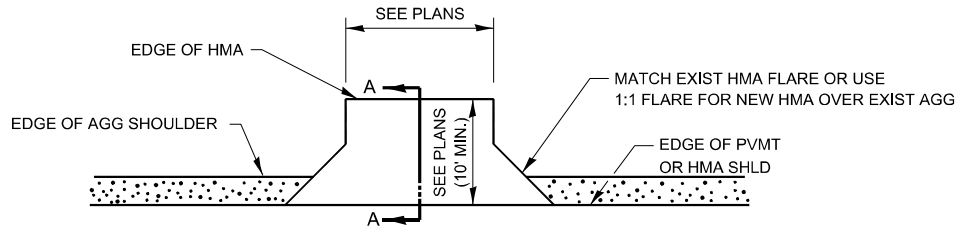


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
THEN A SAW CUT SHALL BE USED TO MANUFACTURE
A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
THE ENGINEER SHALL BE THE SOLE JUDGE
CONCERNING THE USE OF THIS DETAIL

HMA BUTT JOINT SAW CUTS

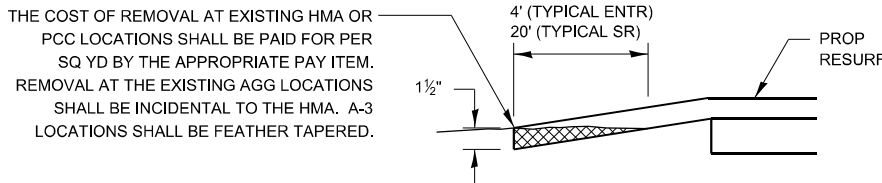


SECTION A-A DETAILS AT ENTRANCES

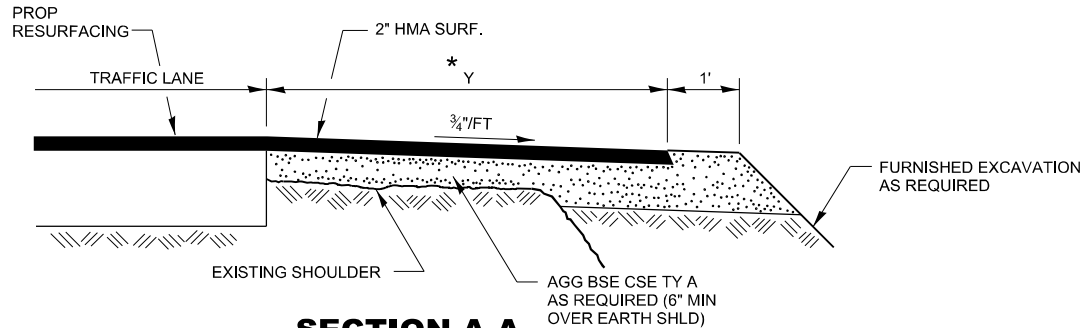
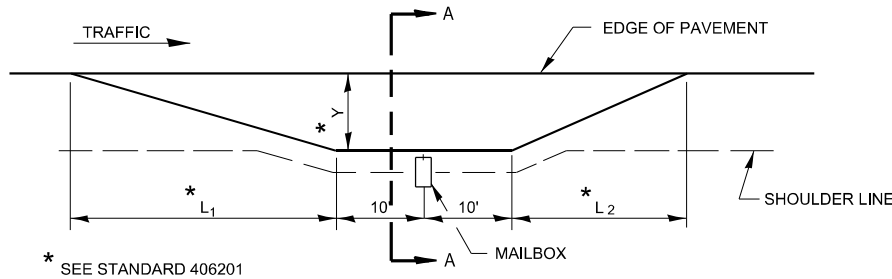


PLAN AT PRIVATE & COMMERCIAL ENTRANCES

(DO NOT RESURFACE FIELD ENTRANCES)

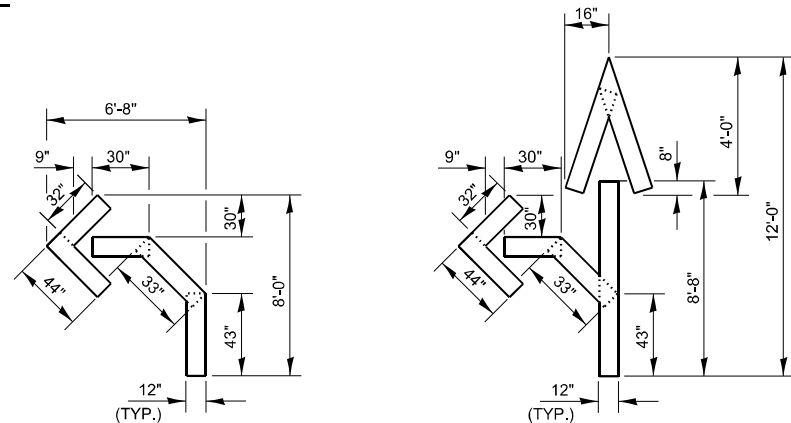


DETAIL A



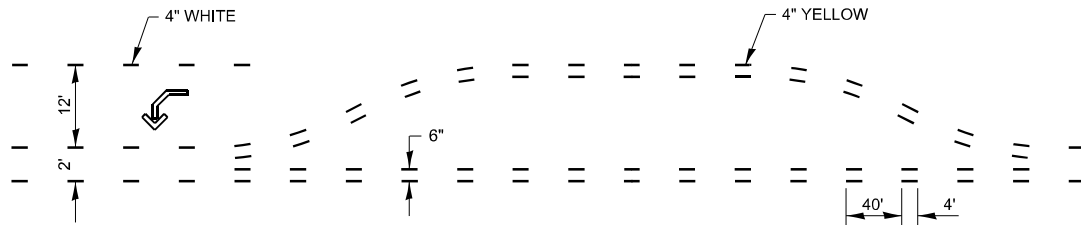
SECTION A-A

RURAL MAILBOX TURNOUT DETAILS



QUANTITY
12" LINE = 16 LIN FT
OR 4" LINE = 48 LIN FT

QUANTITY
12" LINE = 29 LIN FT
OR 4" LINE = 87 LIN FT



SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS

MODEL: Sheet
FILE NAME: I:\2022\22069.10 DOT D3 - PTB 205-023 - WO10 - Bureau County 66R19\CADData\CADSheets\D366R19-sh-Detail02.dgn



USER NAME = msulheard
DESIGNED - JS
DRAWN - MS
CHECKED - JS
DATE = 11/14/24
PLOT DATE = 1/14/2025

DESIGNED - JS
DRAWN - MS
CHECKED - JS
DATE = 11/14/24
REVIS

DESIGNED - JS
DRAWN - MS
CHECKED - JS
DATE = 11/14/24
REVIS

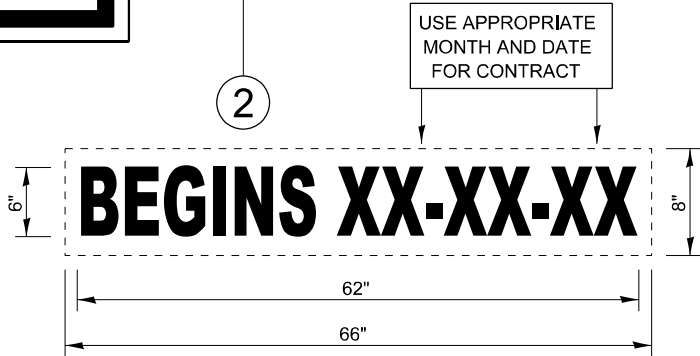
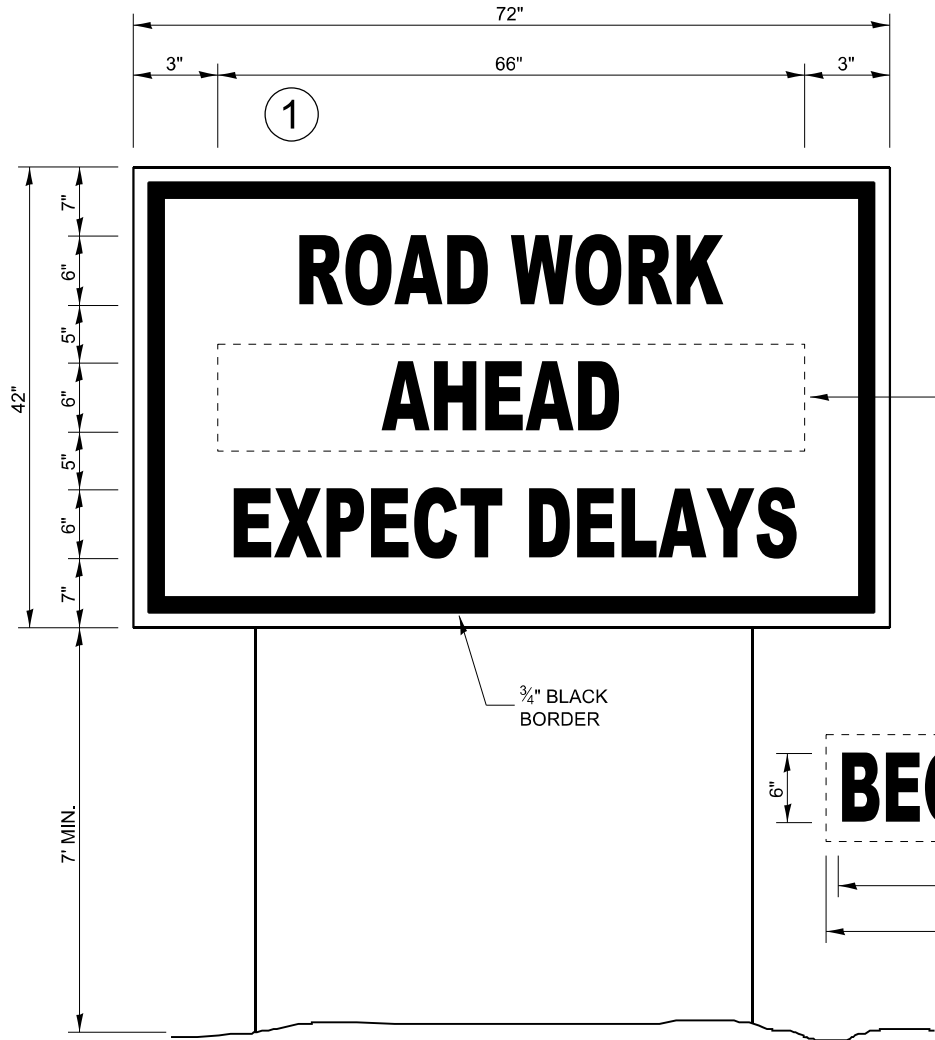
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
696	(102, FRONTAGE RD.)RS-5	BUREAU	28	25
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				

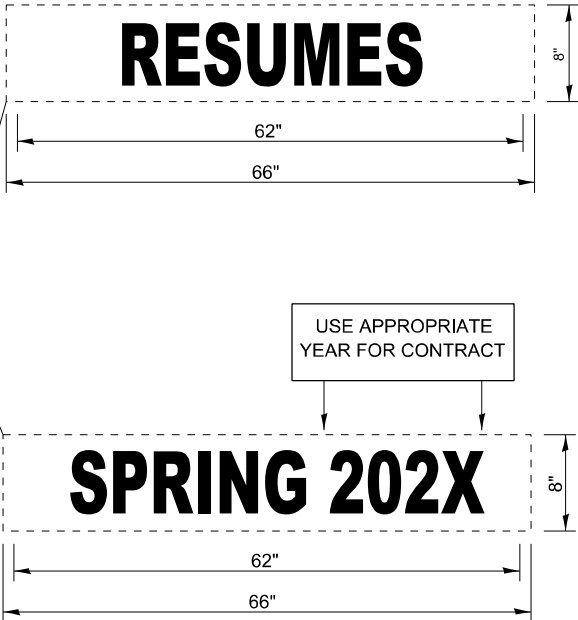
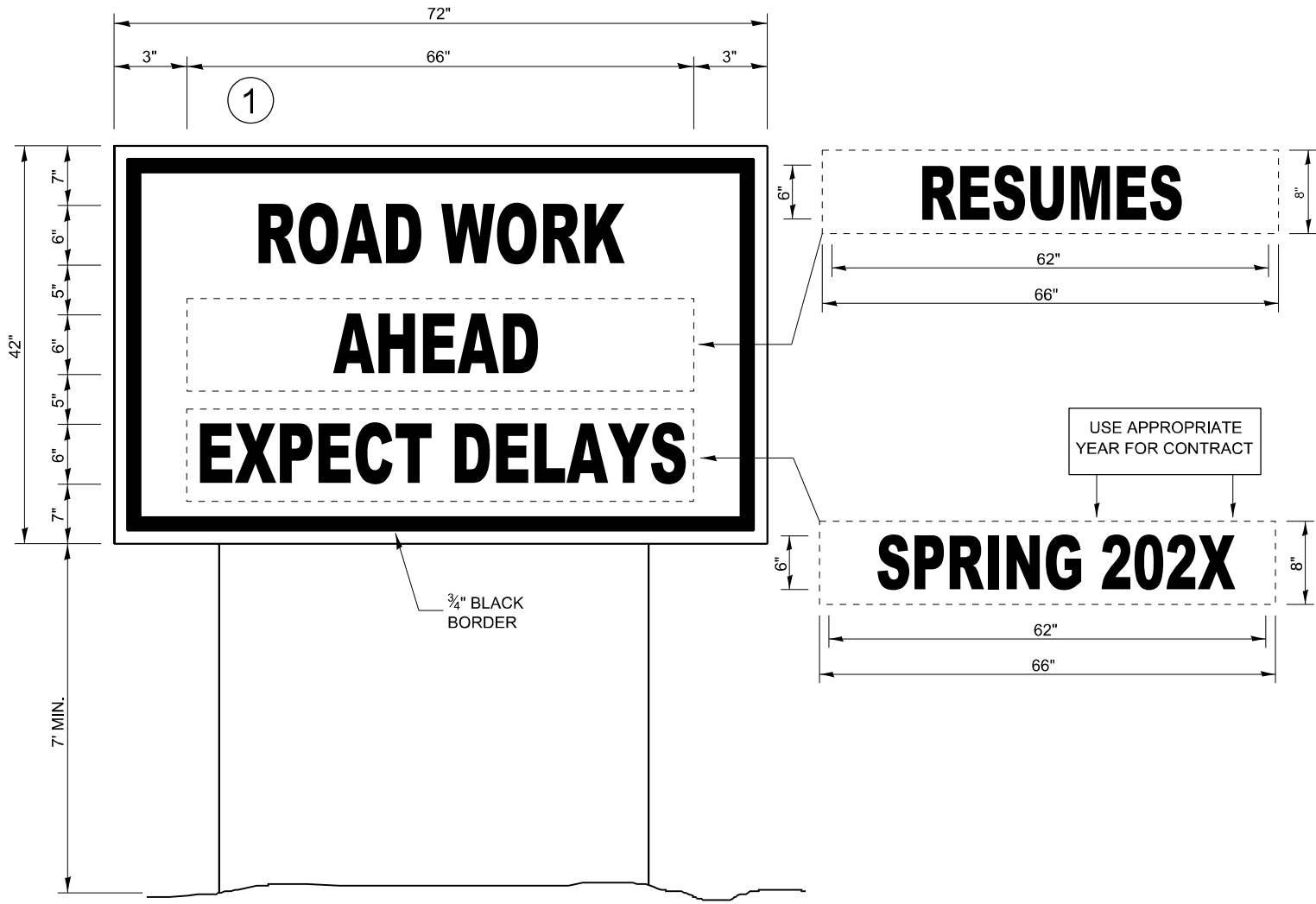
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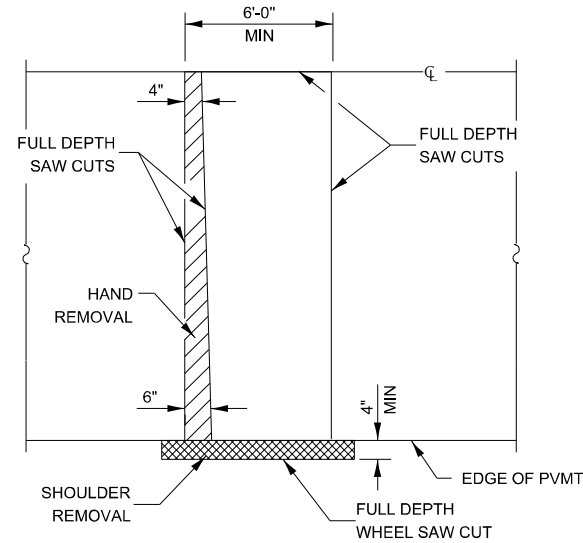
TEMPORARY INFORMATION SIGNING

NOTES:

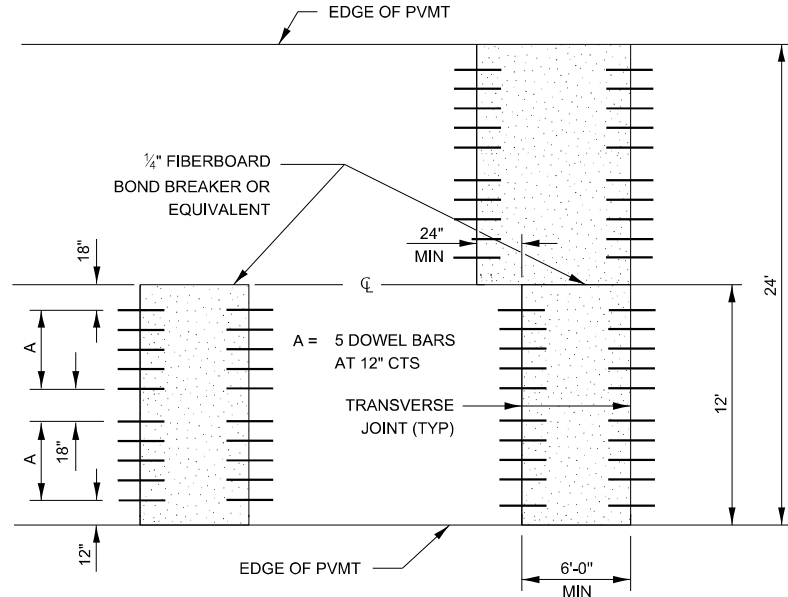
1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN①WITH INSTALLED PANEL②A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL②ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL②WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



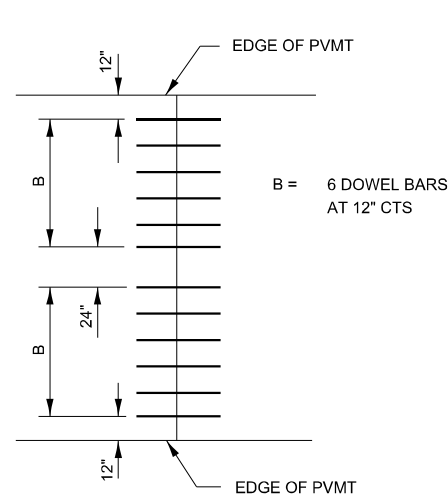
WINTER SHUT DOWN SIGNING



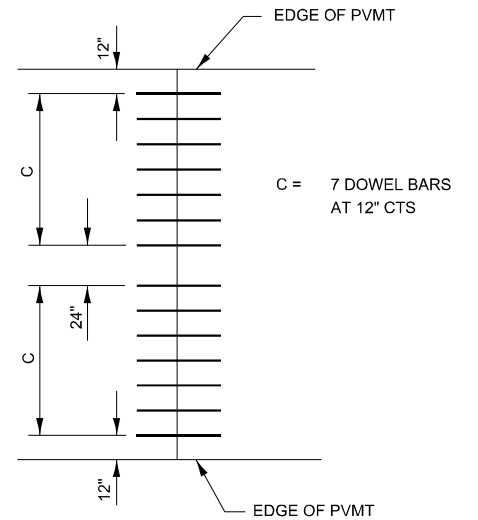
PAVEMENT SAWING DETAIL
(HMA SHOULDER)



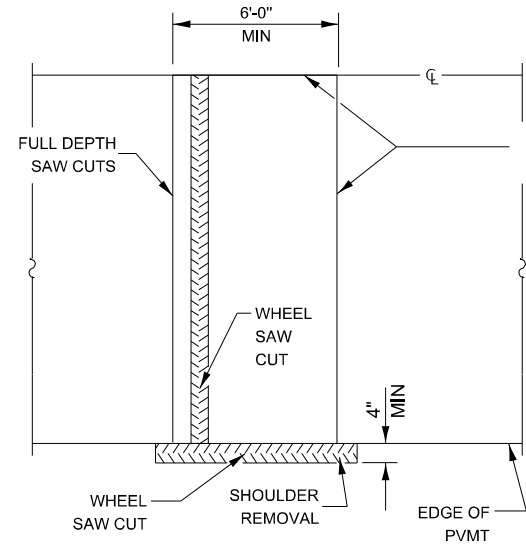
12' WIDE LANES



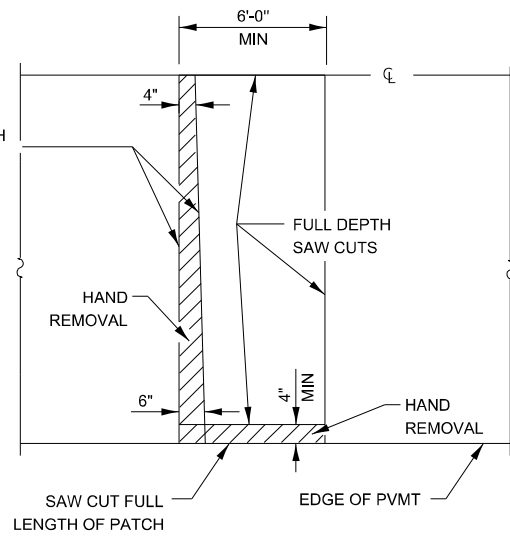
14' WIDE RAMP



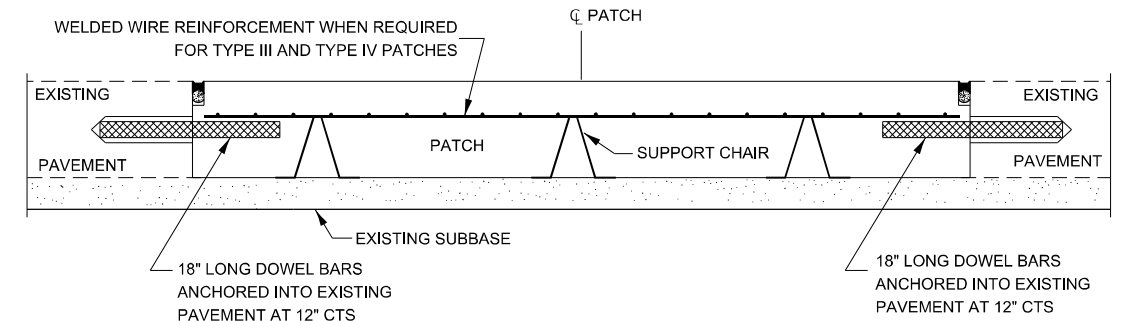
16' WIDE RAMP



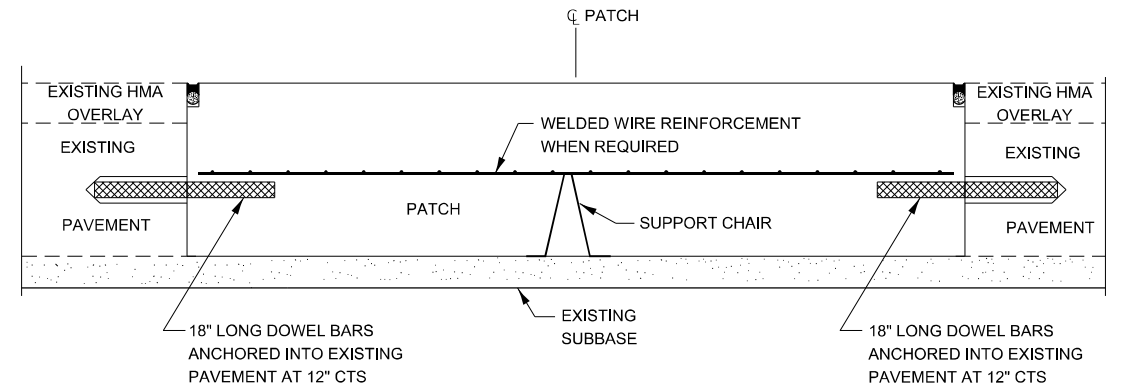
ALTERNATE SAWING DETAIL
(HMA SHOULDER)



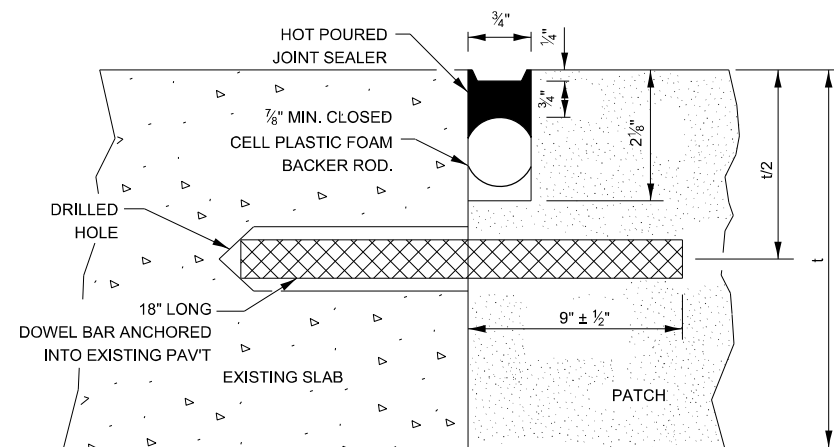
PAVEMENT SAWING DETAIL
(PCC SHOULDER)



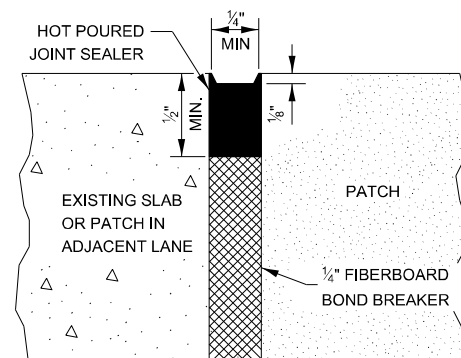
PATCHING WITHOUT HMA OVERLAY



PATCHING WITH HMA OVERLAY



TRANSVERSE JOINT



CENTERLINE JOINT

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"

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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CLASS B PATCHING DETAILS

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(102, FRONTAGE RD., RS-5)	BUREAU	28	27
CONTRACT NO. 66R19				
ILLINOIS FED. AID PROJECT				

