

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAS ROUTE 899 (OLD IL 13)
SECTION 7RS-5
PROJECT ACRS-0899 (006)
RESURFACING
SALINE COUNTY

C-99-054-15

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	7RS-5	SALINE	13	1
		ILLINOIS	CONTRACT NO. 78486	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

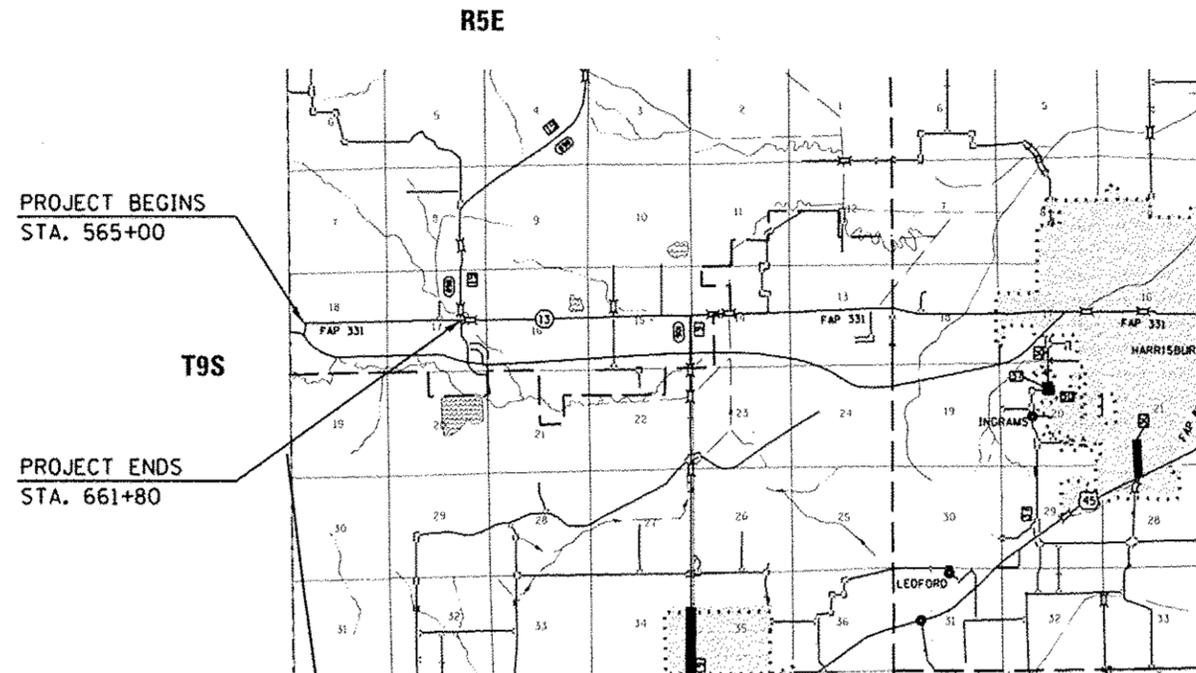
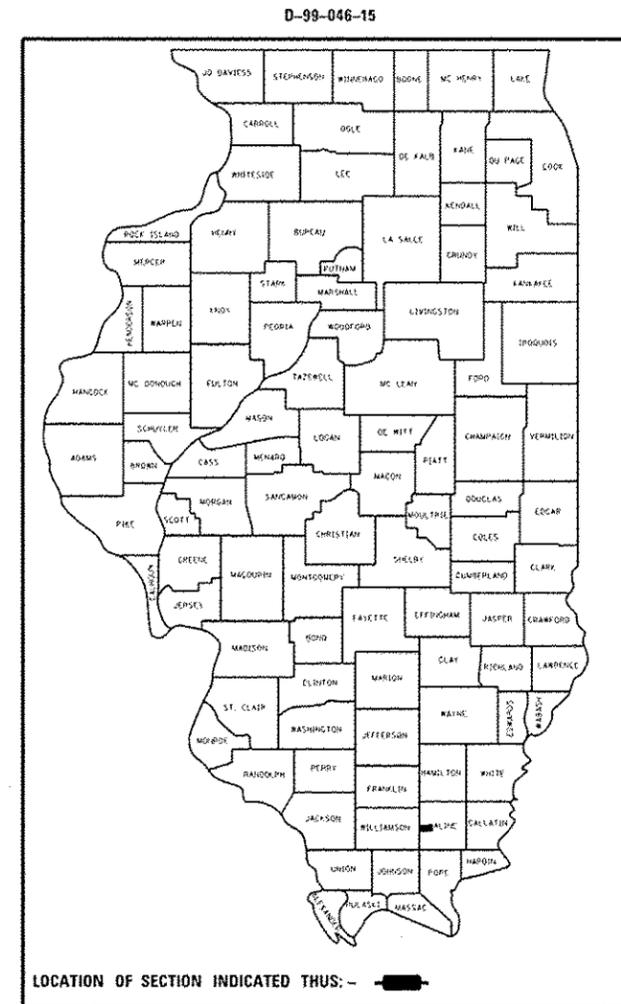
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-5

TRAFFIC DATA

OLD IL 13 TRAFFIC DATA
2010 ADT = 275 WITH 7.3% TRUCKS

TOWNSHIPS

BRUSHY



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: SUSAN POE
DESIGN ENGINEER: JAY KRANZ

CONTRACT NO. 78486

GROSS LENGTH = 9680.0 FT. = 1.83 MILE
NET LENGTH = 9680.0 FT. = 1.83 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED July 31 20 15
Debra Lynn
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Oct 2 20 15
John D. Baranzoli P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 2 20 15
Omar Osman P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS, SIGNATURES
3	GENERAL NOTES, MIXTURE REQUIREMENTS, COMMITMENTS
4 - 5	SUMMARY OF QUANTITIES
6	TYPICAL SECTIONS
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10	DETAIL: BUTT JOINTS
11	DETAIL: SIDE ROAD DETAILS
12	DETAIL: ENTRANCE DETAILS
13	DETAIL: TEMP HMA TRANSITIONS, UNEVEN LANES SIGN, ROUGH GROOVED SURFACE SIGN

STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45MPH
701311-03	LANES CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45MPH
701901-04	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

Prepared By:	<i>[Signature]</i> DISTRICT STUDIES & PLANS ENGINEER
Examined By:	<i>[Signature]</i> DISTRICT LAND ACQUISITION ENGINEER
Examined By:	<i>[Signature]</i> DISTRICT PROGRAM DEVELOPMENT ENGINEER
Examined By:	<i>[Signature]</i> DISTRICT OPERATIONS ENGINEER
Examined By:	<i>[Signature]</i> DISTRICT PROJECT IMPLEMENTATION ENGINEER
Examined By:	<i>[Signature]</i> DISTRICT CONSTRUCTION ENGINEER
Examined By:	<i>[Signature]</i> DISTRICT MATERIALS ENGINEER

SUMMARY OF QUANTITIES

COUNTY: SALINE
 ROUTE: FAS 899, OLD IL 13
 FUNDING: 80% FED 20% STATE
 LOCATION: RURAL ROADWAY
 0005

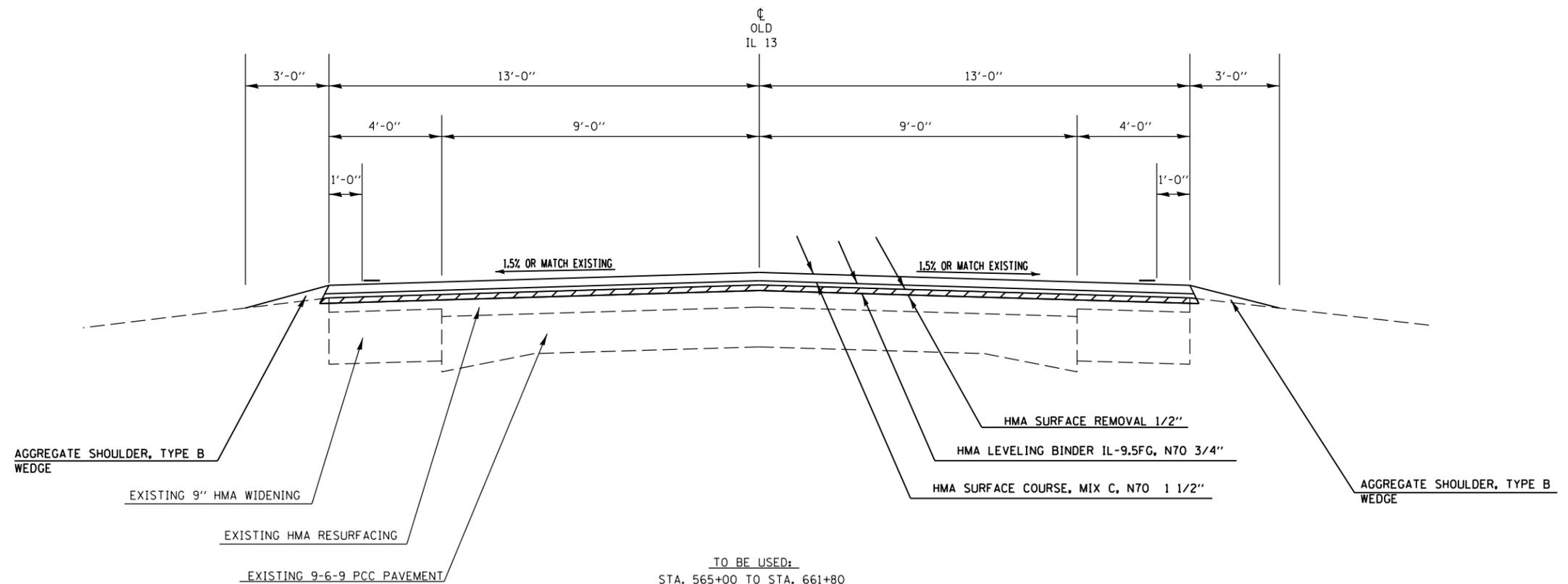
CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	15,972
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	969
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	331
40600990	TEMPORARY RAMP	SQ YD	20
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	1,922
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	140
44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	SQ YD	22,765
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	215
48101200	AGGREGATE SHOULDERS, TYPE B	TON	605
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MD	2
67100100	MOBILIZATION	LSUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,916

SUMMARY OF QUANTITIES - CONT

COUNTY:	SALINE
ROUTE:	FAS 899, OLD IL 13
FUNDING:	80% FED 20% STATE
LOCATION:	RURAL
	ROADWAY
	0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	ROADWAY
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	28.985
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	324
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	28.985
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	121

* SPECIALTY ITEM



FILE NAME =	USER NAME = krenzjc	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\78486\Drawings\CAD\Drawings\78486.sheets.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/4/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	7RS-5	SALINE	13	6
CONTRACT NO. 78486				
ILLINOIS FED. AID PROJECT				

HMA SURFACING SCHEDULE

LOCATION: STATION TO STATION	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE SHOULDERS, TYPE B	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP
	TON	TON	POUND	TON	SQ YD	SQ YD	SQ YD
FAS 889							
OLD IL 13							
STA 565+00. TO STA 579+20.	346.2	174.5	2,769.0	80.8	4,102.2		
STA 597+20. TO STA 661+80.	1,575.8	794.5	12,597.0	368.2	18,662.8	120.0	20.0
SCHEDULE TOTALS:							
	1,922.0	969.0	15,366.0	449.0	22,765.0	120.0	20.0
SIDE ROAD & ENTRANCE SCHEDULE							
			606.0	156.0		211.0	
IMPROVEMENT TOTAL:							
	1,922.0	969.0	15,972.0	605.0	22,765.0	331.0	20.0

ENTRANCE SCHEDULE

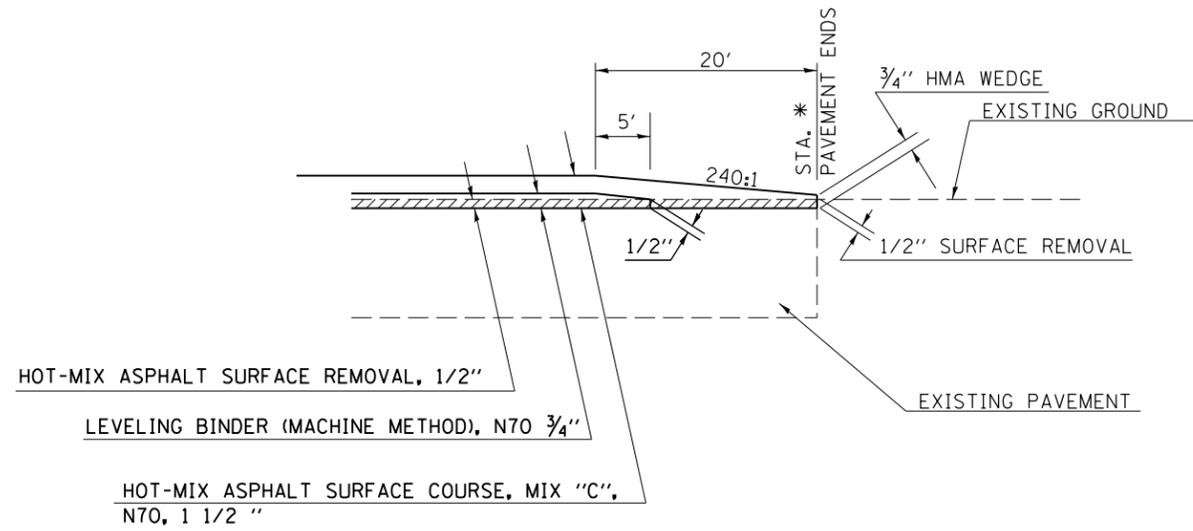
LOCATION: STATION TO STATION	NUMBER OF LOCATIONS	EXISTING SURFACE MATERIAL	INCIDENTAL HOT-MIX ASPHALT SURFACING	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	AGGREGATE SHOULDERS, TYPE B
			TON	POUND	SQ YD	TON
FAS 889						
OLD IL 13						
ENTRANCES						
PRIVATE	31	AGGREGATE	32.4	148.8		16.5
PRIVATE	17	PAVED	17.8	81.6		
COMMERCIAL		AGGREGATE	0	0		0
COMMERCIAL	2	PAVED	3.0	14		
FIELD	4					4.3
MAILBOX TURNOUT	29	AGGREGATE				135.2
	9	PAVED	41.0	165.0		
SIDE ROADS						
LT STA 571+00. AMAX MINE RD		ASPHALT	18.7	80.3	91.0	
RT STA 579+20. FAITH CHAPEL RD		ASPHALT	27.1	116.3	120.0	
SCHEDULE TOTALS:			140.0	606.0	211.0	156.0
FROM SURFACING SCHEDULE:				15,366.0	120.0	449
IMPROVEMENT TOTALS:			140.0	15,972.0	331.0	605.0

PAVEMENT MARKING SCHEDULE

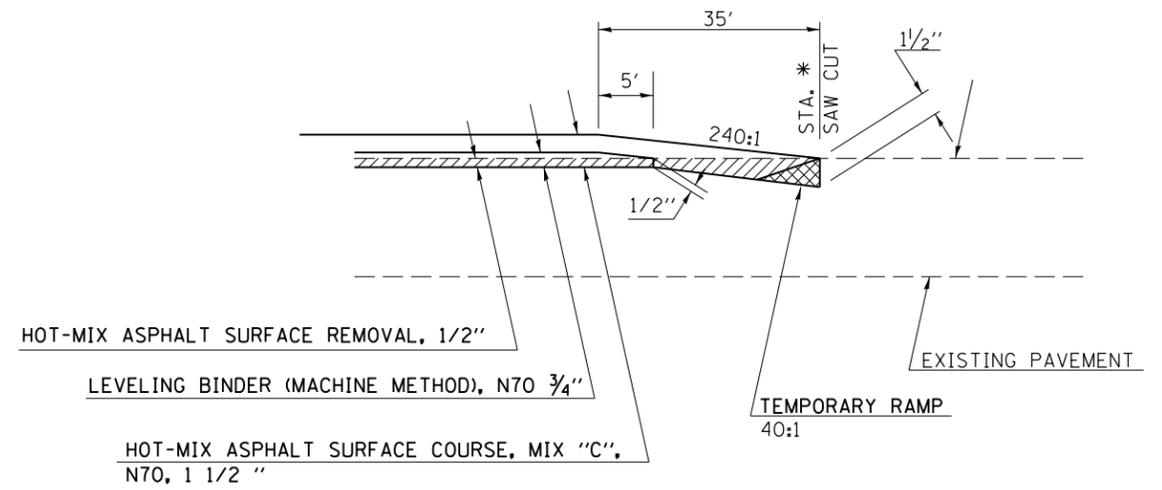
LOCATION: STATION TO STATION	PAINT PAVEMENT MARKING - LINE 4 INCH			SHORT TERM PAVEMENT MARKING FOOT	WORK ZONE PAVEMENT MARKING REMOVAL SQ FT	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL EACH	
	WHITE SOLID FOOT	YELLOW SOLID FOOT	YELLOW SKIP-DASH FOOT				
	FAS 899						
	OLD IL 13						
STA 565+00.	TO STA 569+75.	950	950	144	16.0	6	
STA 569+75.	TO STA 581+50.	2,350	1,175	290	348	38.7	
STA 581+50.	TO STA 592+20.	2,140	1,070	270	324	36.0	
STA 592+20.	TO STA 599+00.	1,360	1,360		204	22.7	
STA 599+00.	TO STA 607+40.	1,680	840	210	252	28.0	
STA 607+40.	TO STA 625+20.	3,560		450	540	60.0	
STA 625+20.	TO STA 635+20.	2,000	1,000	250	300	33.3	
STA 635+20.	TO STA 637+80.	520	520		84	9.3	
STA 637+80.	TO STA 644+20.	1,280	640	160	192	21.3	
STA 644+20.	TO STA 661+80.	3,520		440	528	58.7	
SUBTOTALS:		19,360	7,555	2,070			
IMPROVEMENT TOTALS:		28,985		2,916	324.0	121	

NOTE: SHORT TERM PAVEMENT MARKING: 3 APPLICATIONS - SURFACE REMOVAL, LEVEL BINDER, SURFACE COURSE

BUTT JOINT DETAILS



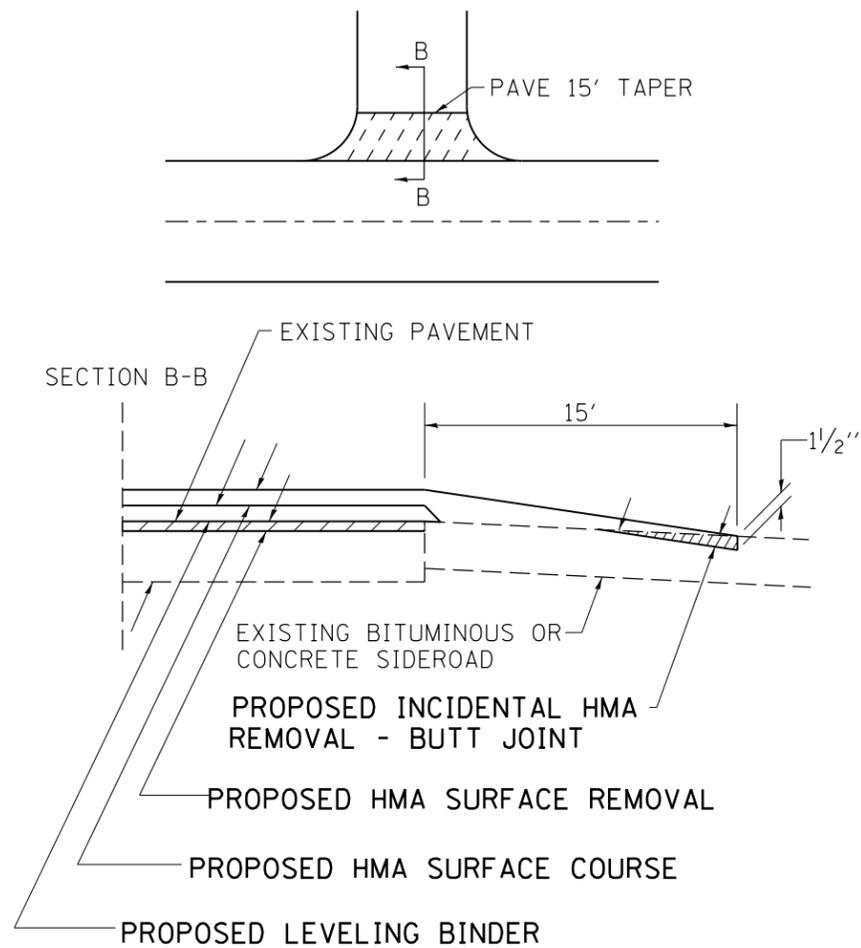
*** TO BE USED:**
STA. 565+00 PAVEMENT ENDS



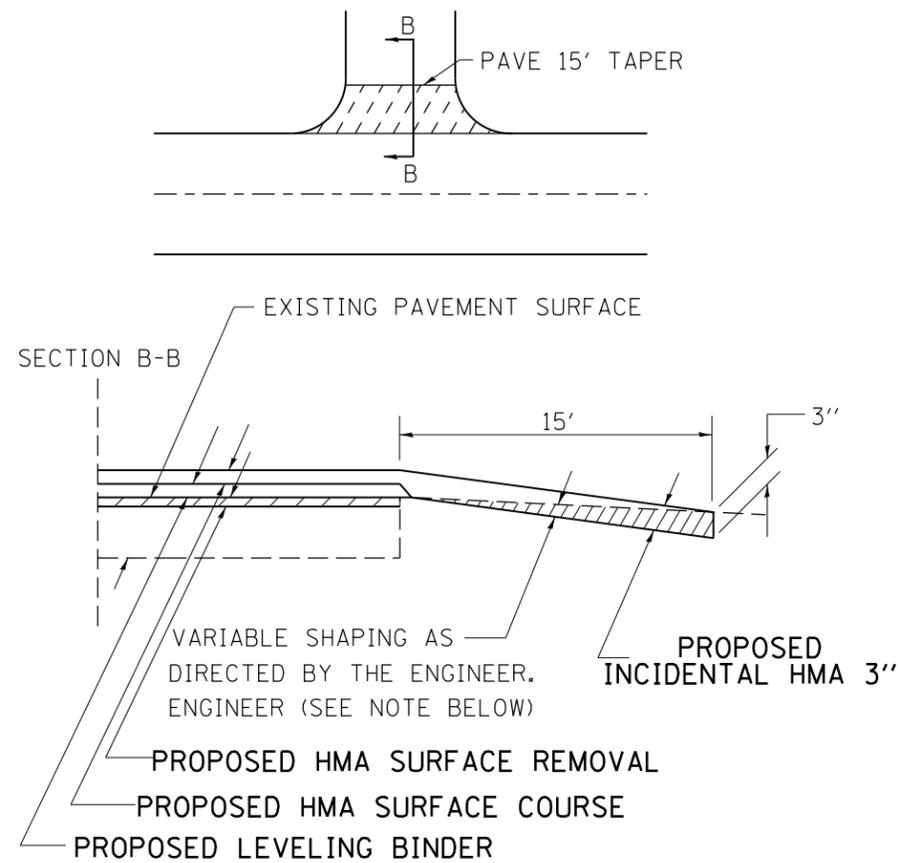
*** TO BE USED:**
STA. 661+80

FILE NAME =	USER NAME = krenzjc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT DETAILS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\78486\Drawings\CAD\Sheets\78486_sheets.dgn					DESIGNED -	REVISED -	899	7RS-5	SALINE	13	10	
PLOT SCALE = 100.0000' / in.					CHECKED -	REVISED -	CONTRACT NO. 78486			ILLINOIS FED. AID PROJECT		
Default					DATE -	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO

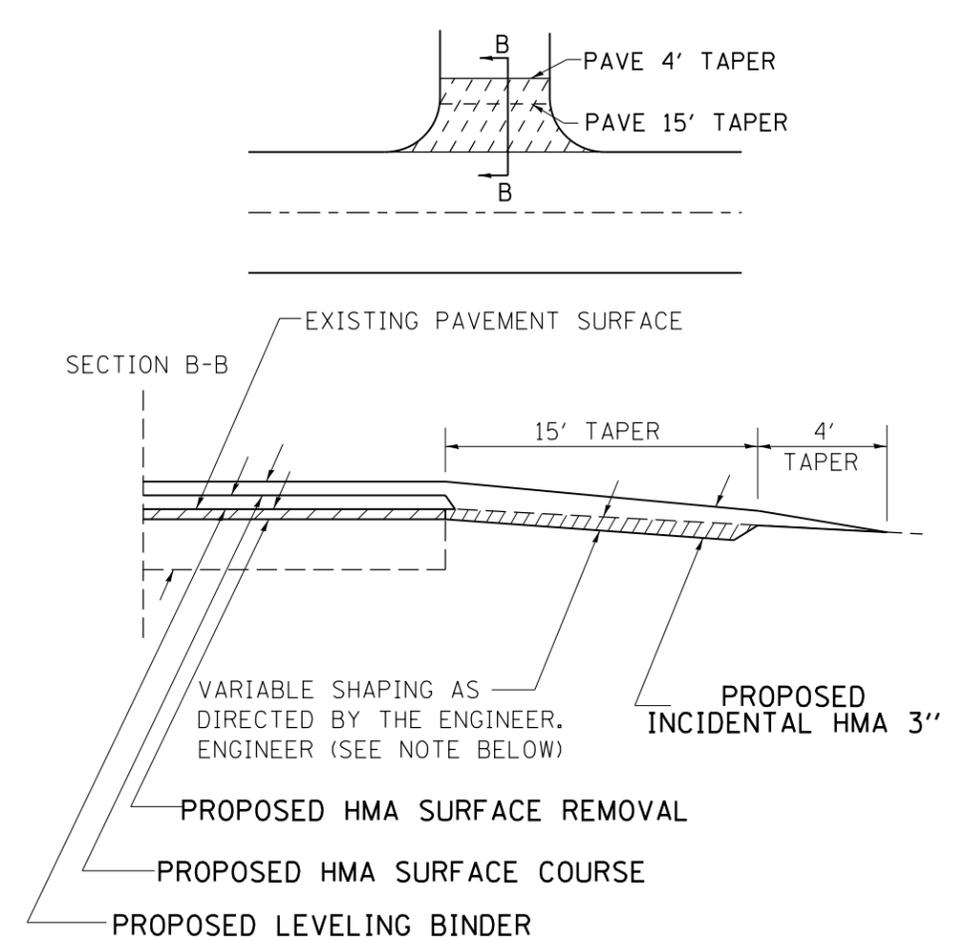
**DETAIL OF HMA OR PCC
SIDEROADS WITH BUTT JOINT**



**DETAIL OF AGGREGATE
SIDEROAD**



**DETAIL OF OIL & CHIP
SIDEROAD**

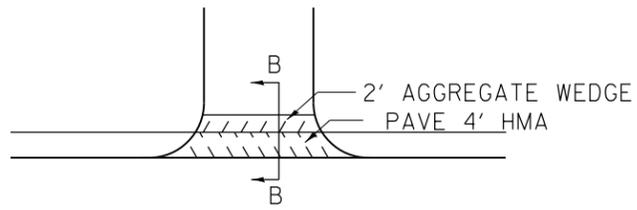


NOTES:

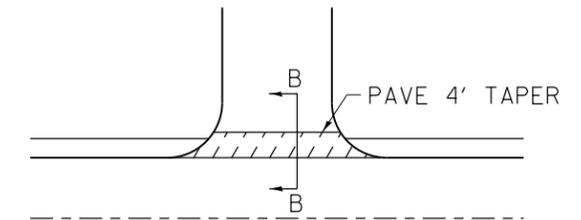
IF EXISTING SUB-BASE IS INADEQUATE, AS DETERMINED BY THE ENGINEER, THE SIDEROADS SHALL BE CORED OUT AND AGGREGATE SUB-BASE, TYPE B SHALL BE PLACED FOR BASE. THE COST OF CORING OUT THE SIDEROAD SHALL BE INCLUDED IN THE COST OF THE AGGREGATE BASE COURSE. IF EXISTING SUB-BASE IS DETERMINED TO BE ADEQUATE, THE AGGREGATE BASE COURSE SHALL BE DELETED AND THE PREPARATION OF THE BASE SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.09
VARIABLE SHAPING IS INCLUDED IN THE COST OF INCIDENTAL HMA SURFACE COURSE.

FILE NAME =	USER NAME = kranzjc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDE ROAD DETAILS				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\78486\Drawings\CAD\Sheets\78486_sheets.dgn		CHECKED -	REVISED -		899	7RS-5	SALINE	13	11				
Default	PLOT SCALE = 100.0000' / 1".	DATE -	REVISED -		CONTRACT NO. 78486				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 8/4/2015				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

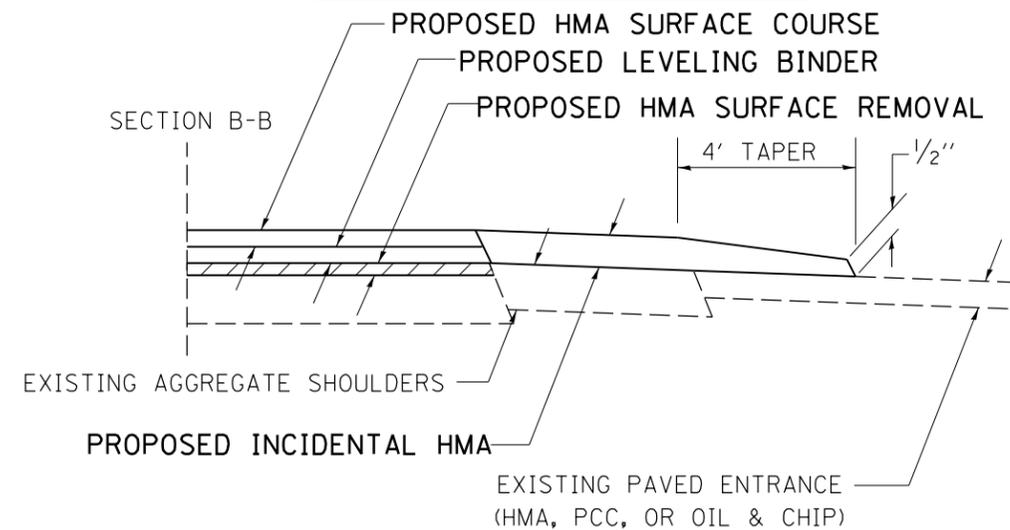
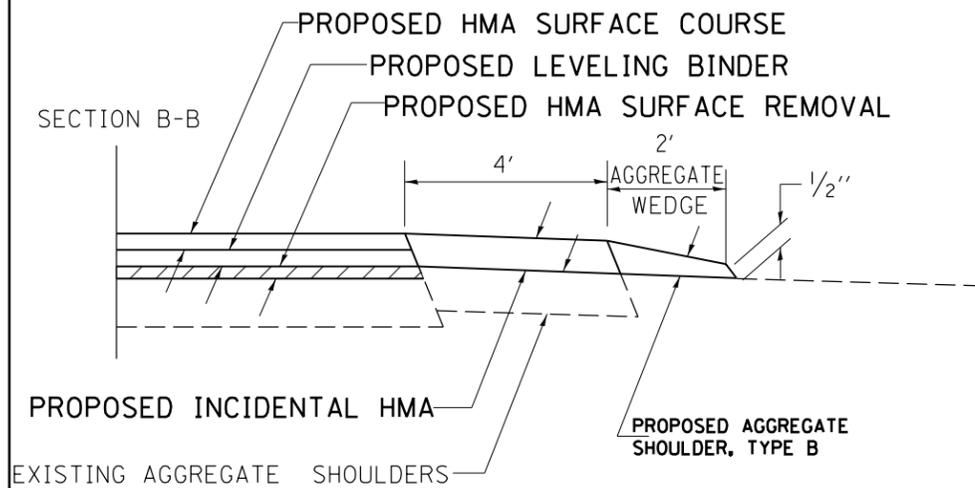
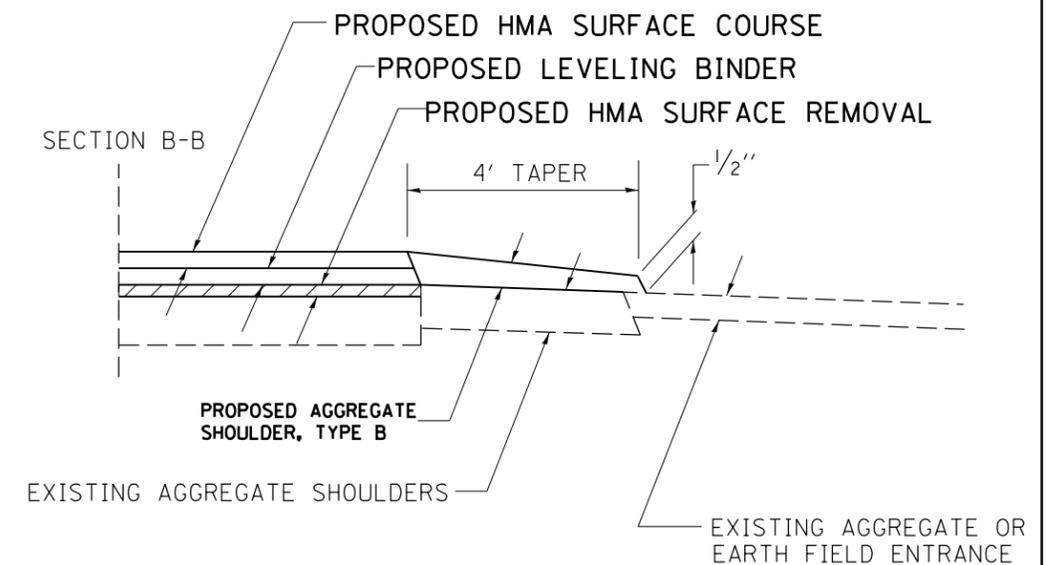
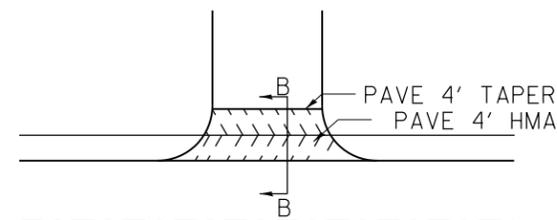
DETAIL OF AGGREGATE
PRIVATE OR COMMERCIAL
ENTRANCE



DETAIL OF AGGREGATE OR EARTH
FIELD ENTRANCE



DETAIL OF HMA, PCC, OR OIL & CHIP
PRIVATE OR COMMERCIAL ENTRANCE



NOTES:

PREPARATION OF EXISTING SURFACE AND ANY EXCAVATION FOR ENTRANCES SHALL BE IN ACCORDANCE WITH ARTICLE 406.09 OF THE STANDARD SPECIFICATIONS.

FILE NAME =	USER NAME = kranzjc	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 8/4/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

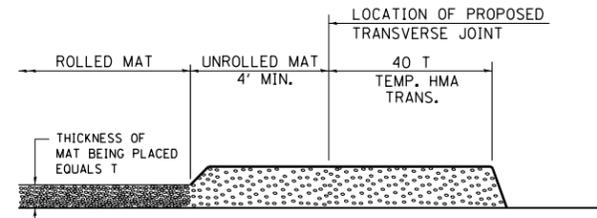
ENTRANCE DETAILS			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	7RS-5	SALINE	13	12
CONTRACT NO. 78486				
ILLINOIS FED. AID PROJECT				

TEMPORARY HOT-MIX ASPHALT TRANSITIONS

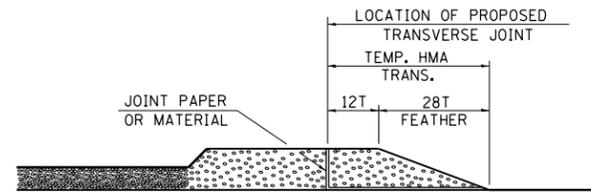
UNEVEN LANES SIGN

W8-11 (48" x 48")



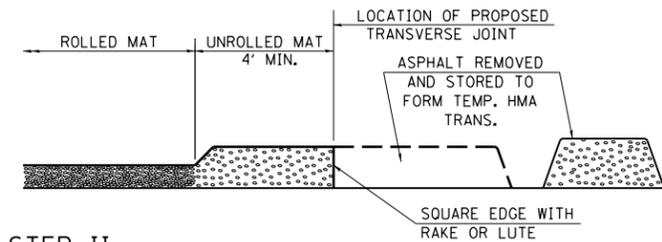
STEP I

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 40 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



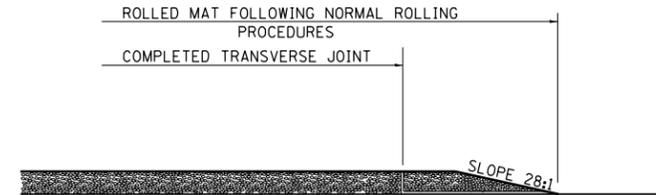
STEP III

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



STEP II

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.

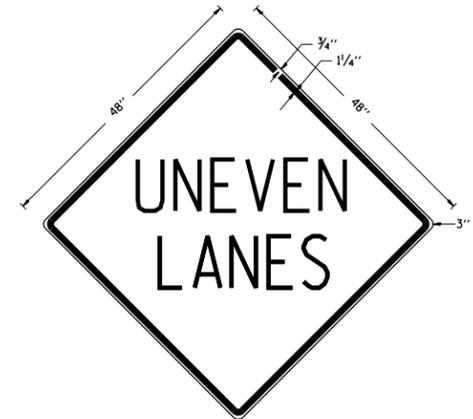


STEP IV

1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

STD. 9-26

REVISIONS	
REDRAWN	2-15-89
REVISED	8-16-94
REVISED	01-09-07
RESIZED	05-8-08
REVISED	05-16-13



COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

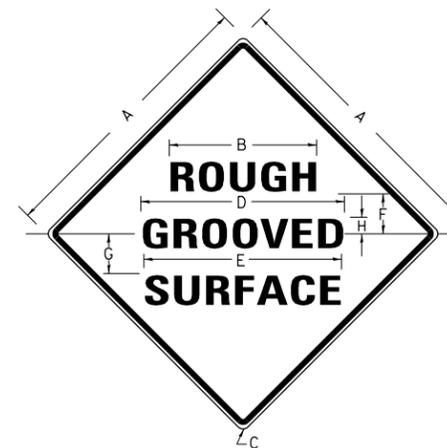
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

STD. 9-41

REVISIONS	
DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	
RESIZED	
REVIEWED	5-17-13

ILLINOIS STANDARD



COLORS:

LEGEND AND BORDER- BLACK NON-REFLECTORIZED
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48x48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR-GIN	BOR-DER	BLANK STD.
	1	2	3			
48x48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

STD. 9-39

REVISIONS	
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVIEWED	5-17-13

FILE NAME =	USER NAME = kronzjc	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	
Default	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMP HMA TRANSITIONS, UNEVEN LANES SIGN,
ROUGH GROOVED SURFACE SIGN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	TR5-5	SALINE	13	13
CONTRACT NO. 78486				
ILLINOIS FED. AID PROJECT				