

06-15-12 LETTING ITEM 220

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PROPOSED HIGHWAY PLANS

IL ROUTE 142 (FAP 776)  
SECTION 125R-1

TYPE of IMPROVEMENT: PAVEMENT REPLACEMENT  
SALINE COUNTY

C-99-019-12

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125R-1	SALINE	16	1
		ILLINOIS	CONTRACT NO. 78291	

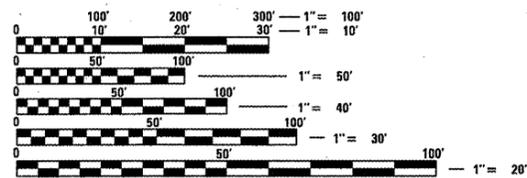
FOR INDEX OF SHEETS, SEE SHEET NO. 3

OMISSIONS:  
STA 211+47 TO STA 211+96

ADT (2012)  
PV= 2366  
MU= 1428  
SU= 184  
TRUCKS= 35.9%

STATION EQUATIONS: NONE

TFpcc= 7.37  
TFhmc= 10.17

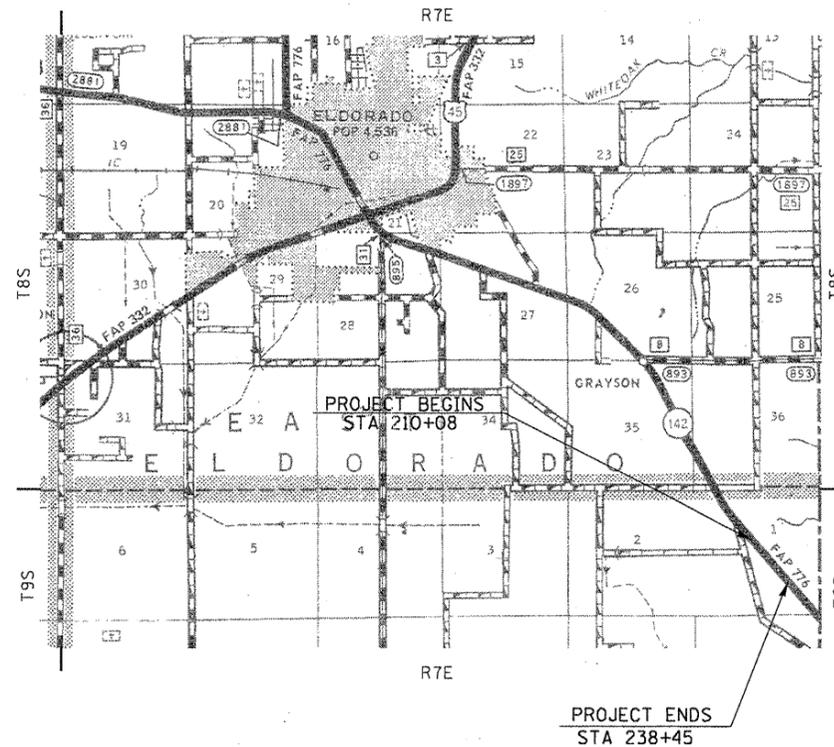


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JULIO AYBAR  
PROJECT MANAGER: CHARLES STEIN

CONTRACT NO. 78291



GROSS LENGTH = 2,837 FT. = 0.537 MILE  
NET LENGTH = 2,788 FT. = 0.528 MILE  
OMISSION LENGTH = 49 FT = 0.009 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED April 3 20 12  
James Johnson  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 11 20 12  
John D. Baranzelli, P.E. & C.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

May 11 20 12  
William R. Freuler  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

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Examined By: *Bill Kelly*  
DISTRICT OPERATIONS ENGINEER

Examined By: *[Signature]*  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *Dan J. Muris*  
DISTRICT CONSTRUCTION ENGINEER

Examined By: *Bruce Gables*  
DISTRICT MATERIALS ENGINEER

Approved By: *Omer Emara*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

*April 3 2012*  
DATE

FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 3/26/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNATURE SHEET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125R-1	SALINE	16	2
CONTRACT NO. 78291				
ILLINOIS FED. AID PROJECT				

## INDEX OF SHEETS

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2	SIGNATURE SHEET
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4	MIXTURE REQUIREMENTS
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8-9	TYPICAL SECTIONS
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11	PAVEMENT REPLACEMENT SCHEDULES
12	PAVEMENT MARKING SCHEDULE, SEEDING SCHEDULE
13	PLAN LAYOUT FOR ( IL 142 ) ( FAP 776 ) STA 210+08 TO STA 238+45
14	DETAIL: HMA SURFACE REMOVAL - BUTT JOINT, DROP-OFF CHART
15	DETAIL: UNEVEN LANES SIGN
16	DETAIL: ROUGH GROOVED SURFACE SIGN

## HIGHWAY STANDARDS

701001-02	701311-03
701006-03	701316-06
701011-02	701326-04
701201-04	701901-02
701206-03	781001-03
701301-04	420001-07
701306-03	420101-04

## GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATION OCCURS DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES EXCEPT FOR QC/OA OF BITUMINOUS MIXTURES:

ALL HOT-MIX ASPHALT.....2.016 TONS/CU. YD.

ALL AGGREGATE.....2.05 TONS/CU. YD.

BITUMINOUS MATERIALS (PRIME COAT)

ON PAVEMENT....0.09 GALS/SQ. YD.

AGGREGATE (PRIME COAT).....0.0015 TONS/SQ. YD.

WEIGHT OF EARTH TO DETERMINE LIME.....2835 LB/CU. YD.

PERCENT LIME BY WEIGHT.....5%

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS WAS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE COURSE AND HMA BINDER AT THE RESURFACING LIMITS.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS, THE RESIDENT ENGINEER SHALL CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED BITUMINOUS MATS AT 300 FT. INTERVALS ON ALTERNATING SIDES OF THE PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 "TALL OF A DESIGN APPROVED BY THE ENGINEER AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, BITUMINOUS RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTER -LINE EDGE IS EXPOSED TO TRAFFIC.

AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

THE ADVANCE DETECTOR LOOPS ARE TYPICALLY LOCATED 275 FEET IN ADVANCE OF THE STOP BAR. THE BUREAU OF OPERATIONS SHOULD APPROVE THE LOOP LOCATIONS PRIOR TO INSTALLATION.

FILE NAME =	USER NAME = #USERS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pudat\lavenderba\d0290964\7	8291-shr-plan.dgn	DRAWN -	REVISED -			776	125R-1	SALINE	16	3
	PLOT SCALE = 100.0000 ' / 1" =	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
	PLOT DATE = 4/5/2012	DATE -	REVISED -		ILLINOIS FED. AID PROJECT					
						CONTRACT NO. 78291				

### MIXTURE REQUIREMENTS

Location(s):	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Polymerized Hot-Mix Asphalt Surface Course, Mix C, N105
AC/PG:	SBS PG76-22
RAP % (Max):	0
Design Air Voids:	4.0 %, 105 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm or IL12.5 mm
Friction Aggregate:	C Surface

Location(s):	Hot-Mix Asphalt Binder Course (Top Lift, 2 1/4")
Mixture Use(s):	Polymerized Hot-Mix Asphalt Binder Course, N105, IL-19.0
AC/PG:	SBS PG76-22
RAP % (Max):	0
Design Air Voids:	4.0 %, 105 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0 mm
Friction Aggregate:	None

Location(s):	Hot-Mix Asphalt Binder Course (Lower Lifts)
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N90, IL-19.0
AC/PG:	PG64-22
RAP % (Max):	10
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0
Friction Aggregate:	None

Location(s):	HMA SHOULDER 12"
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N90, IL-19.0
AC/PG:	PG64-22
RAP % (Max):	10
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0
Friction Aggregate:	None

FILE NAME =	USER NAME = #USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MIXTURE REQUIREMENTS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 4/5/2012	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
										ILLINOIS FED. AID PROJECT CONTRACT NO. 78291

SUMMARY OF QUANTITIES

LOCATION	
ROUTE	FAP 776 ( IL 142)
FUNDING	100% STATE
COUNTY	SALINE
CONSTRUCTION TYPE	ROADWAY
TYPE CODE	0004

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	
X 20101400	NITROGEN FERTILIZER NUTRIENT	POUND	54	54
X 20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	54	54
X 20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	54	54
20200100	EARTH EXCAVATION	CU YD	108	108
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	54	54
X 25000200	SEEDING, CLASS 2	ACRE	0.6	0.6
X 25100115	MULCH, METHOD 2	ACRE	0.6	0.6
30200850	PROCESSING MODIFIED SOIL 16"	SQ YD	3,842	3,842
31001500	LIME	TON	121	121
31100920	SUBBASE GRANULAR MATERIAL, TYPE A 15"	SQ YD	259	259
31200100	STABILIZED SUBBASE 4"	SQ YD	259	259
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	36	36

X SPECIALTY ITEM

SUMMARY OF QUANTITIES

LOCATION	RURAL-STP
ROUTE	FAP 776 ( IL 142)
FUNDING	100% STATE
COUNTY	SALINE
CONSTRUCTION TYPE	ROADWAY
TYPE CODE	0004

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	
40600300	AGGREGATE (PRIME COAT)	TON	1	1
40600990	TEMPORARY RAMP	SQ YD	29	29
40603525	POLYMERIZED HOT•MIX ASPHALT SURFACE COURSE, MIX "C", N105	TON	34	34
40701941	HOT•MIX ASPHALT PAVEMENT (FULL•DEPTH), 13"	SQ YD	3,568	3,568
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	259	259
44000100	PAVEMENT REMOVAL	SQ YD	3,827	3,827
44000155	HOT•MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	402	402
48100100	AGGREGATE SHOULDERS, TYPE A	TON	508	508
48203045	HOT•MIX ASPHALT SHOULDERS, 12"	SQ YD	593	593
67100100	MOBILIZATION	L SUM	1	1
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1

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PLOT DATE = 4/5/2012		DATE -	REVISED -

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.
776	125R-1	SALINE	16	6
CONTRACT NO. 78291				
ILLINOIS FED. AID PROJECT				

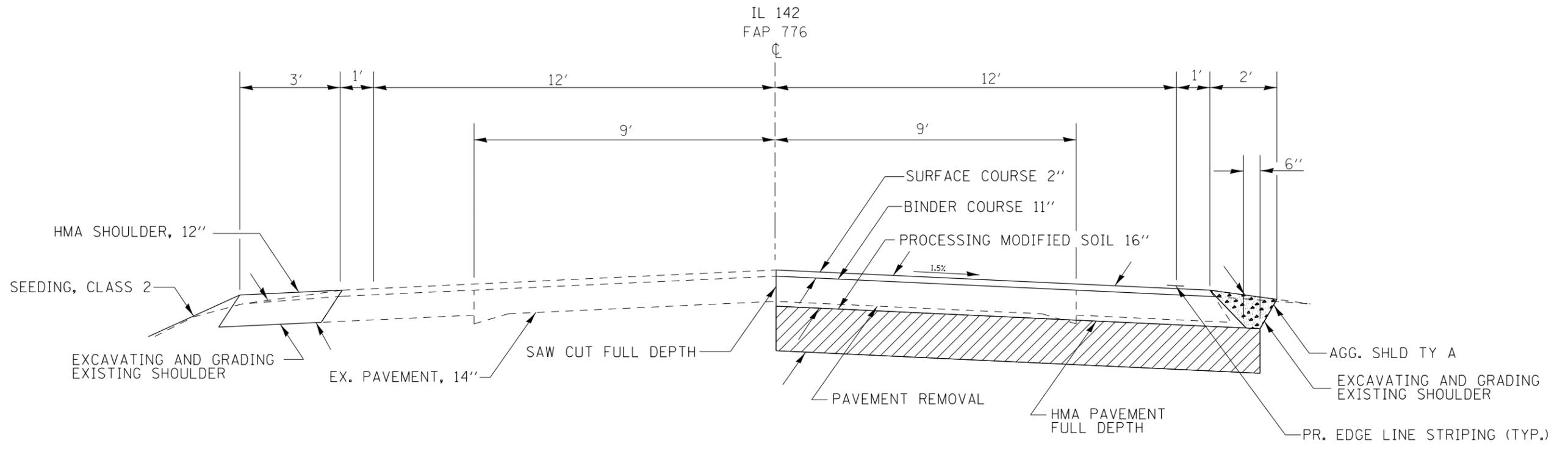
SUMMARY OF QUANTITIES

LOCATION	RURAL-STP
ROUTE	FAP 776 ( IL 142)
FUNDING	100% STATE
COUNTY	SALINE
CONSTRUCTION TYPE	ROADWAY
TYPE CODE	0004

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	45	45
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	2
70300100	SHORT- TERM PAVEMENT MARKING	FOOT	567	567
70300220	TEMPORARY PAVEMENT MARKING, LINE 4"	FOOT	9,220	9,220
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	3,262	3,262
X 78001110	PAINT PAVEMENT MARKING • LINE 4"	FOOT	5,674	5,674
X 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	38	38
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	35	35
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1	1

X SPECIALTY ITEM

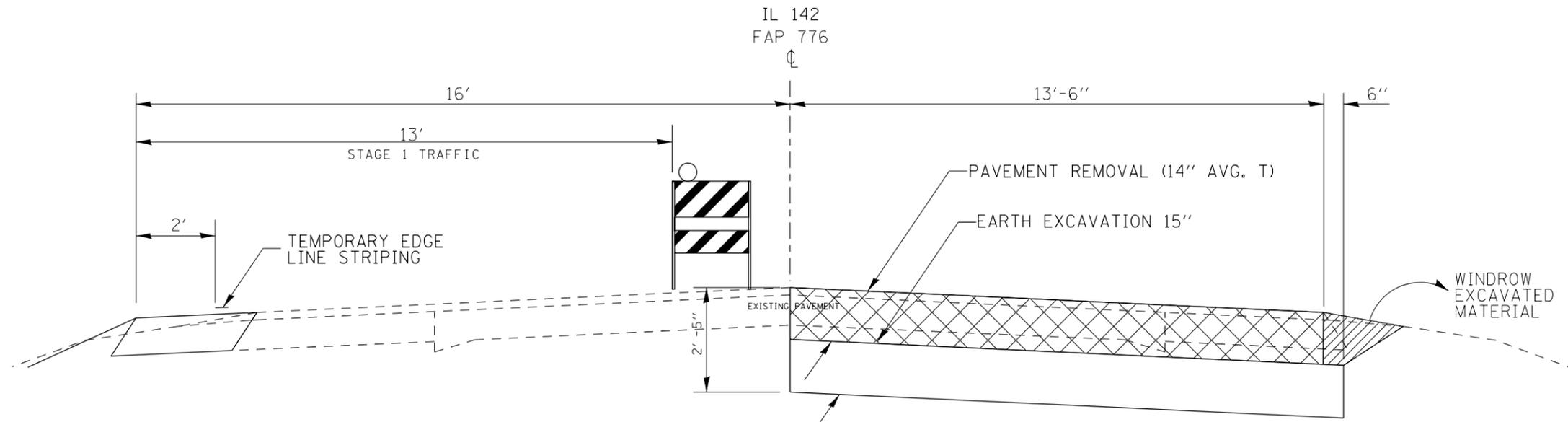




TO BE USED:  
 STA 213+75 TO STA 238+45

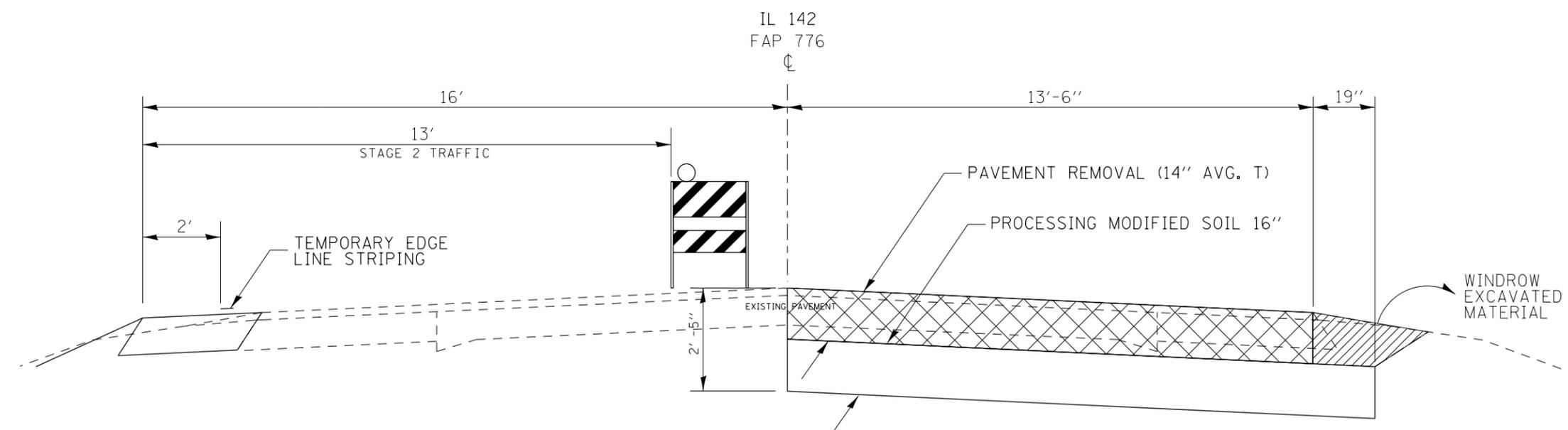
NOTE: THE ACTUAL EXISTING PAVEMENT THICKNESS  
 VARIES FROM 12 1/2" TO 14 1/2"

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\lavenderba\d0290964\78291-sht-plan.dgn		DRAWN -	REVISED -		776	125R-1	SALINE	16	9				
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	PLOT DATE = 4/5/2012	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



NOTE: THE ACTUAL EXISTING PAVEMENT THICKNESS VARIES FROM 12 1/2" TO 14 1/2"

STAGE 1  
TO BE USED:  
STA 211+96 TO STA 212+66



NOTE: THE ACTUAL EXISTING PAVEMENT THICKNESS VARIES FROM 12 1/2" TO 14 1/2"

STAGE 2  
TO BE USED:  
STA 212+66 TO STA 238+45

Pavement Cores

Location**	Asphalt	Concrete	Description	% Clay
200' S of Mine Haul Road	12.5"	None	SICL A-6( 19)	22
0.12 miles South	7"	7.5"	SIC A7-6( 30)	32
0.25 miles South	8"	6"	SIL A06( 12)	18
0.38 miles South	8"	6.5"	SIC A7-6( 27)	29

IL 142 OVERLAY SCHEDULE

LOCATION STATION TO STATION			LENGTH	ROADWAY WIDTH		ROADWAY AREA		HMA SURFACE REMOVAL, 1 1/2"	POLYMERIZED SURFACE COURSE	POLY. BIT. MAT. (PRIME COAT)	AGGREGATE (PRIME COAT)	TEMPORARY RAMPS
			EXISTING (FOR INFORMATIONAL PURPOSES ONLY)									
			FT	FT		SQ YD		SQ YD	TON	GAL	TON	SQ YD
				EXISTIN	PROPOSED	EX.	PROP.					
210+08.0	TO	211+47.0	139	26	26	402	402	402	34	36	1	29
<b>OVERLAY TOTALS</b>			<b>139</b>					<b>402</b>	<b>34</b>	<b>36</b>	<b>1</b>	<b>29</b>
			0.026		MILES							

IL 142 PCC PAVEMENT REPLACEMENT SCHEDULE

LOCATION STATION TO STATION			LENGTH	ROADWAY WIDTH		ROADWAY AREA		PAVEMENT REMOVAL	STABILIZED SUBBASE, 4"	PCC PAVEMENT	HMA SHOULDER, 12"	EARTH EXCAVATION	SUBBASE GRAN. MAT, TYPE A 15"
			EXISTING (FOR INFORMATIONAL PURPOSES ONLY)										
			FT	FT		SQ YD		SQ YD	SQ YD	SQ YD	CU. YD.	SQ. YD	
				EXISTIN	PROPOSED	EX.	PROP.						
211+96.0	TO	213+75.0	179	13	13	259	259	259	259	259	40	108	259
<b>PAVEMENT REPLACEMENT TOTALS</b>			<b>179</b>					<b>259</b>	<b>259</b>	<b>259</b>	<b>40</b>	<b>108</b>	<b>259</b>
			0.034		MILES								

IL 142 FLEXIBLE PAVEMENT REPLACEMENT SCHEDULE

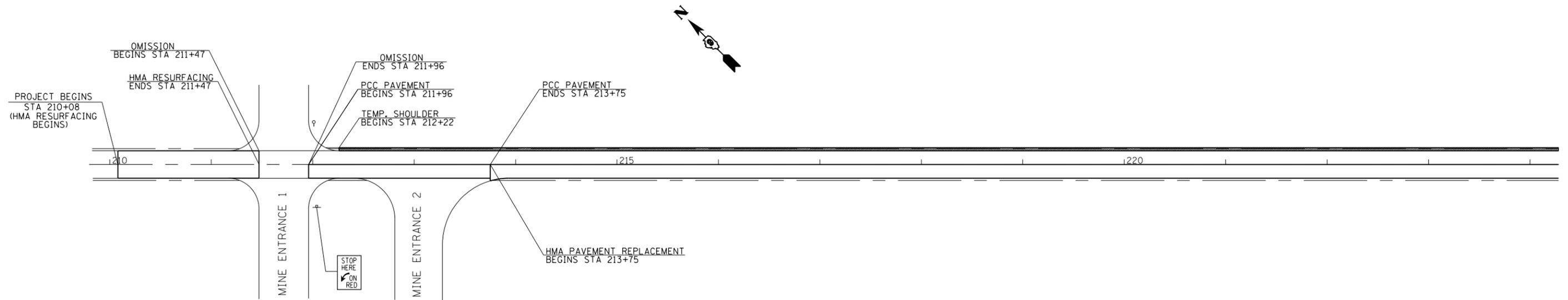
LOCATION STATION TO STATION			LENGTH	ROADWAY WIDTH		ROADWAY AREA		PAVEMENT REMOVAL	PROCESSING MODIFIED SOIL 16"	LIME AT 5%	HMA PAVEMENT FULL DEPTH, 13"	HMA SHOULDER, 12"	AGG. SHLD, TYPE A
			EXISTING (FOR INFORMATIONAL PURPOSES ONLY)										
			FT	FT		SQ YD		SQ YD	SQ YD	TON	SQ YD	SQ YD	TON
				EXISTIN	PROPOSED	EX.	PROP.						
213+75.0	TO	238+45.0	2470	13	13	3568	3568	3568	3842	121	3568	553	508
<b>PAVEMENT REPLACEMENT TOTALS</b>			<b>2470</b>					<b>3568</b>	<b>3842</b>	<b>121</b>	<b>3568</b>	<b>553</b>	<b>508</b>
			0.468		MILES								

PAVEMENT MARKING SCHEDULE

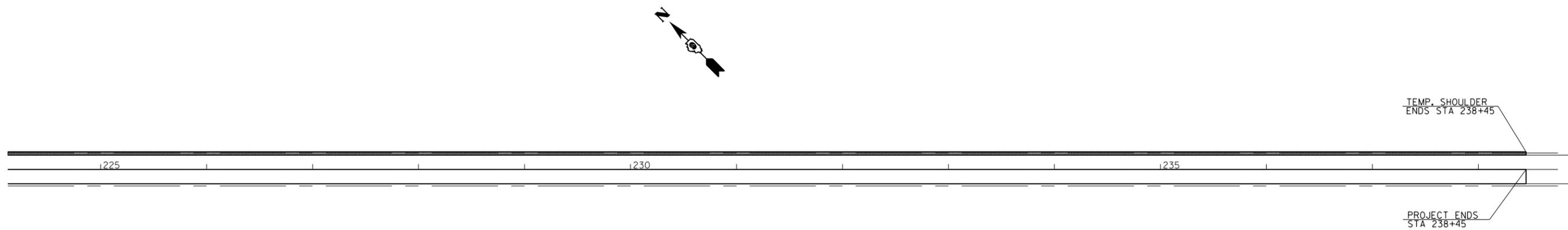
STATION TO STATION	PAINT PAVEMENT MARKING		TEMPORARY	SHORT-TERM	NOTES	
	4 INCH WHITE (EDGE LINE)	4 INCH (SKIP-DASH)	4 INCH	4 INCH		
	FOOT	FOOT	FOOT	FOOT		
MAINLINE: STA 210+08 TO STA 238+45						
210+08.0	TO	238+45.0	5,674	709	9,220	567
<b>TOTAL</b>			5,674	709	9,220	567

SEEDING SCHEDULE

LOCATION STATION TO STATION	LENGTH	WIDTH (EAST SIDE)	SEEDING AREA	NITROGEN FERTILIZER	PHOSPHORUS FERTILIZER	POTASSIUM FERTILIZER	AGRICULTURAL GROUND LIMESTONE	SEEDING, CLASS 2	MULCH, METHOD 2		
	(FOR INFORMATION ONLY)										
	FT	FT	ACRES	POUNDS	POUNDS	POUNDS	TONS	ACRE	ACRE		
212+22.0	TO	238+45.0	2623	10	0.60	54	54	54	1	0.60	0.60
<b>SEEDING TOTALS</b>			2623			54	54	54	1	0.60	0.60
			0.50	MILES							



NOTE 1: ALL TRAFFIC SIGNALS SHOWN ARE INCLUDED IN TEMPORARY BRIDGE TRAFFIC SIGNALS - 1 EACH  
 NOTE 2: THE ADVANCE DETECTOR LOOPS ARE TYPICALLY LOCATED 275 FEET IN ADVANCE OF THE STOP BAR. THE BUREAU OF OPERATIONS SHOULD APPROVE THE LOOP LOCATIONS PRIOR TO INSTALLATION.



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/5/2012	DATE -	REVISED -

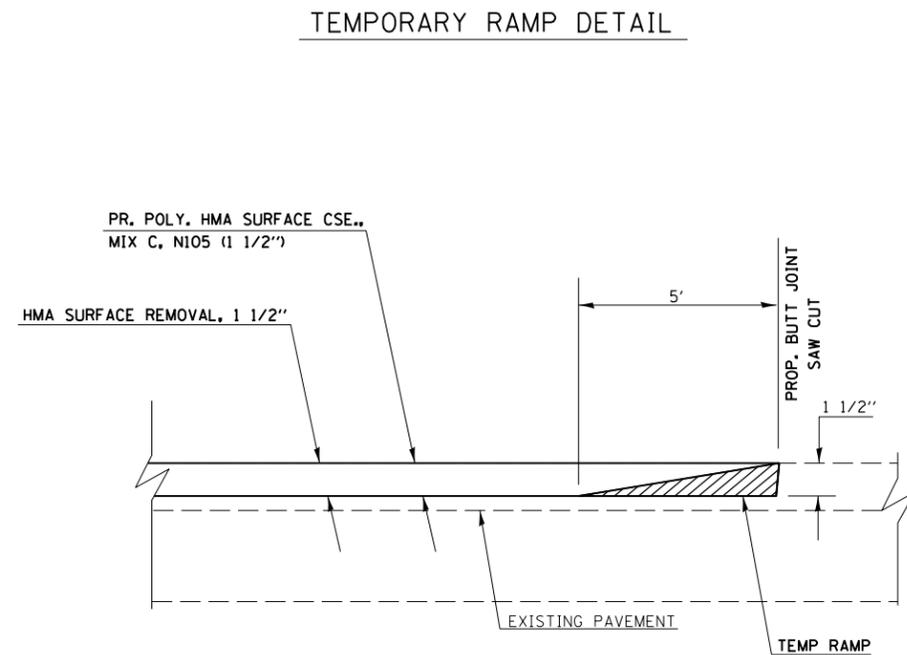
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN LAYOUT**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125R-1	SALINE	16	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78291	

**DROP-OFF PROTECTION BETWEEN TRAVEL LANE  
AND SHOULDER / EDGE OF PAVEMENT  
FIG 55.2B FROM CHAPTER 55 (BDE MANUAL, 2010)**



**TO BE USED:**  
STA 210+08 TO STA 210+13  
STA 211+42 TO STA 211+47

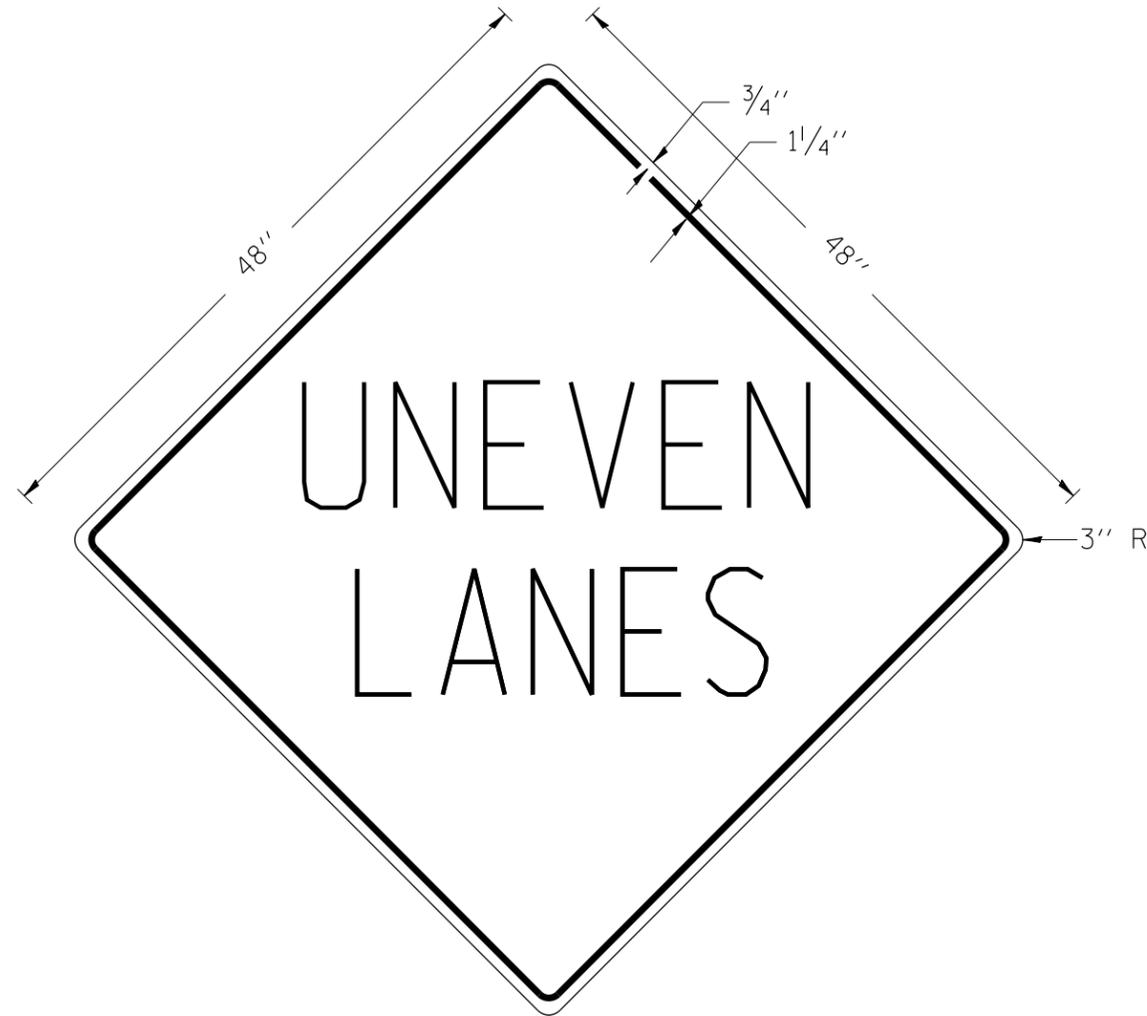
DROP-OFF LOCATION	NORMAL POSTED SPEED	DROP-OFF HEIGHT (X) AND TYPE	TREATMENT REQUIRED
≤ 3 FT <sup>(1)(2)</sup>	ALL	≤ 1 IN	NONE
		1 IN < X ≤ 3 IN	LOW SHOULDER SIGNS (2 MILE SPACING)
	< 45 MPH	3 IN < X ≤ 18 IN	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	3 IN < X ≤ 12 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
	< 45 MPH	18 IN < X ≤ 24 IN FOR < 0.5 MILE OR < 48 HOURS <sup>(4)</sup>	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	12 IN < X ≤ 18 IN FOR < 0.5 MILE OR < 48 HOURS	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
	≥ 45 MPH	12 IN < X ≤ 24 IN FOR > 0.5 MILE OR > 48 HOURS	CLOSURE USING TEMPORARY TRAFFIC BARRIER
	< 45 MPH	18 IN < X ≤ 24 IN <sup>(5)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER
	≥ 45 MPH	18 IN < X ≤ 24 IN FOR < 0.5 MILES OR < 48 HOURS <sup>(5)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER
	ALL	> 24 IN <sup>(5)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER
3 FT < X ≤ 8 FT <sup>(3)</sup>	ALL	≤ 1 IN	NONE
		1 IN < X ≤ 3 IN	LOW SHOULDER SIGNS (2 MILE SPACING)
	< 45 MPH	3 IN < X ≤ 24 IN <sup>(4)</sup>	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	3 IN < X ≤ 24 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
ALL	24 IN <sup>(5)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
> 8 FOOT TO THE WORK ZONE CLEAR ZONE <sup>(3)</sup>	< 45 MPH	12 IN < X ≤ 24 IN <sup>(4)</sup>	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	12 IN < X ≤ 24 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
	ALL	> 24 IN <sup>(5)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER

**NOTES:**

- <sup>(1)</sup> PLACE CHANNELIZING DEVICES AND/OR TEMPORARY BARRIER AT THE SAME LEVEL AS THE TRAVELING LANE OR SHOULDER PROFILE
- <sup>(2)</sup> CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. RAISE THE REFLECTIVE AREA AND WARNING LIGHT (IF REQUIRED) TO THE ELEVATION ABOVE THE TRAVELING LANE OR
- <sup>(3)</sup> PLACE CHANNELIZING DEVICES OR TEMPORARY BARRIER AT SAME LEVEL AS THE SIDE SLOPE PROFILE TO BE FULLY VISIBLE.
- <sup>(4)</sup> LENGTH AND DURATION MAY BE EXCEEDED FOR URBAN AREAS WHEN ENGINEERING JUDGEMENT INDICATES SIGHT DISTANCE WILL BE ADVERSELY AFFECTED BY TEMPORARY BARRIER.
- <sup>(5)</sup> TEMPORARY TRAFFIC BARRIER MAY BE ELIMINATED FOR STATIONARY OPERATIONS OF LESS THAN 24 HOURS FOR MULTILANE, AND MAY BE ELIMINATED FOR STATIONARY OPERATIONS OF LESS THAN 96 HOURS PER STAGE FOR TWO LANES, BASED ON ENGINEERING JUDGEMENT.

# UNEVEN LANES SIGN

W8-11 (48'' x 48'')



**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.

REVISIONS

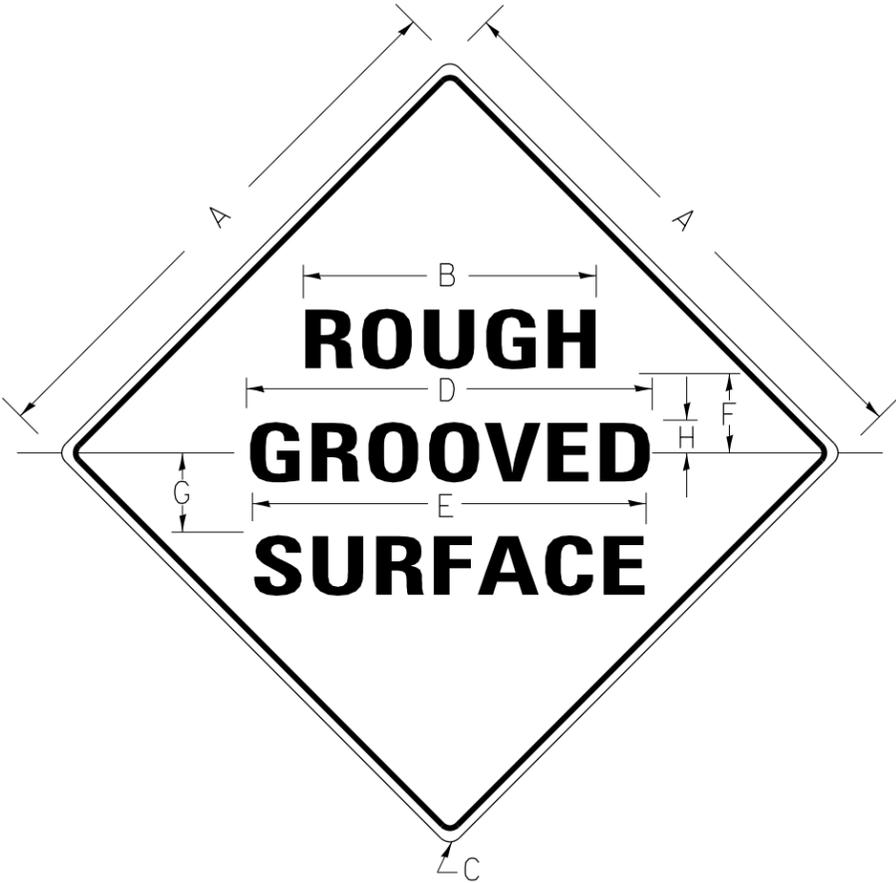
DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	
RESIZED	

STD. 9-41

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>UNEVEN LANES SIGN</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\lavenderba\d0290964\78291-sht-plan.dgn		DRAWN -	REVISED -		776	125R-1	SALINE	16	15				
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78291				ILLINOIS FED. AID PROJECT				
PLOT DATE = 4/5/2012		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

# ILLINOIS STANDARD

W8-I106



**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.

REVISIONS

REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVISED	

STD. 9-39

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROUGH GROOVED SURFACE SIGN</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\lavenderba\d0290964\78291-sht-plan.dgn		DRAWN -	REVISED -						776	125R-1	SALINE	16	16
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 78291				
PLOT DATE = 4/5/2012		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								