

Prepared By: *Joe Zamboni*
DISTRICT STUDIES & PLANS ENGINEER

Examined By: *James King*
DISTRICT LAND ACQUISITION ENGINEER

Examined By: *Conie Nelson*
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *Keith Kelly*
DISTRICT OPERATIONS ENGINEER

Examined By: *V. L. S.*
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *David J. Nelson*
DISTRICT CONSTRUCTION ENGINEER

Examined By: *Bruce D. Dales*
DISTRICT MATERIALS ENGINEER

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

March 23 2012
DATE

FILE NAME =	USER NAME = colem	DESIGNED -	REVISED -
at\pw_work\pwsdot\colem\d0294597\78302	-shta-cvr-soq-index.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2012	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.
322	*	JACKSON	16	2
CONTRACT NO. 78302				
ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS AND STANDARDS AND MIX DESIGN
4	GENERAL NOTES
5-6	SUMMARY OF QUANTITIES
7-8	TYPICAL SECTIONS
9-10	RESURFACING SCHEDULE
11-12	PAVEMENT MARKING SCHEDULE
13	PATCHING SCHEDULE
14-15	LOCATION #1 PLAN AND PROFILE SHEETS
16	TEMPORARY BITUMINOUS CONCRETE TRANSITIONS, ROUGH GROOVED SURFACE SIGN, UNEVEN PAVEMENT, AND BUTT JOINT DETAILS
	HIGHWAY STANDARDS

STANDARDS

- 000001-06
- 001006
- 442201-03
- 701006-03
- 701011-02
- 701301-04
- 701306-03
- 701311-03
- 701336-06
- 701901-02
- 780001-03
- 781001-03

MIX DESIGN

Location(s):	Hot-Mix Asphalt Surface Course
Mixture Use(s)	Hot-Mix Asphalt Surface Course, Mix D, N90
AC/PG	PG64-22
RAP% (Max):	10
Design Air Voids:	4.0%, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm or IL-12.5 mm
Friction Aggregate:	D Surface

Location(s):	Class D Patching
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 mm
Friction Aggregate:	None

GENERAL NOTES

THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES.

ALL HOT-MIX ASPHALT	2.016 TON/CU YD
ALL AGGREGATE	2.05 TON/CU YD
HOT-MIX ASPHALT MATERIALS:	
ON PAVEMENT	0.09 GAL/SQ YD
ON AGGREGATE	0.32 GAL/SQ YD
AGGREGATE (PRIME COAT)	0.0015 TON/SQ YD
MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	2 TON/MILE

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT., THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE WORK DAY. PRIOR TO WINTER SHUT DOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HOT-MIX ASPHALT SURFACE REMOVAL AND SURFACE COURSE.

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT AND LOCATION OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT-MIX ASPHALT SURFACE AT 300 FT. INTERVALS ALTERNATING SIDES ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

QUANTITIES SHOWN IN THE PLANS FOR MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS ARE ESTIMATES.

ATTAINMENT OF THE PROPER CROWN OR SUPERELEVATION SHALL BE FULLY ACCOMPLISHED WITH THE HOT MIX ASPHALT SURFACE REMOVAL.

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.

RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B.

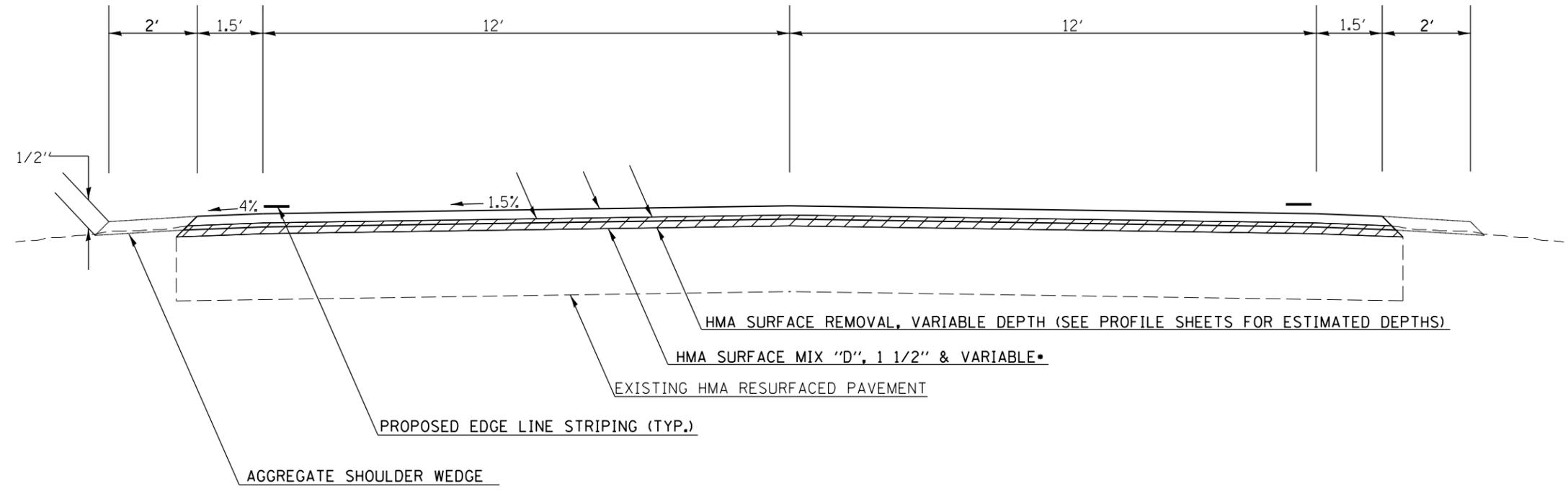
A TEMPORARY BENCHMARK WAS ESTABLISHED ON THE END OF THE BOLT OF THE NORTH GUARDRAIL POST LOCATED IN THE TOM'S PLACE PARKING LOT. THE ELEVATION FOR THIS BENCHMARK WAS ASSUMED TO BE 100'.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\kellykd\0294597\78302\2-shite-cvr-soq.index.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			322	*	JACKSON	16	4
PLOT DATE = 3/23/2012	DATE -	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
						ILLINOIS FED. AID PROJECT CONTRACT NO. 78302				

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	LOCATION #1 JACKSON CO. RURAL 100% STATE	LOCATION #2 JACKSON CO. RURAL 100% STATE
	CONSTRUCTION TYPE CODE			0005	0005
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.3	0.7
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,139	155	984
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	14,972	1,913	13,059
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	5,370	689	4681
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	14,972	1913	13,059
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	80	11	69
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	80	11	69

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITY				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwwork\pwwork\kellykd\0294597\78302-shta-cvr-soq.index.dgn		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	JACKSON	16	6
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78302								
PLOT DATE = 3/23/2012		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

LOCATION #1
US 51
JACKSON CO.



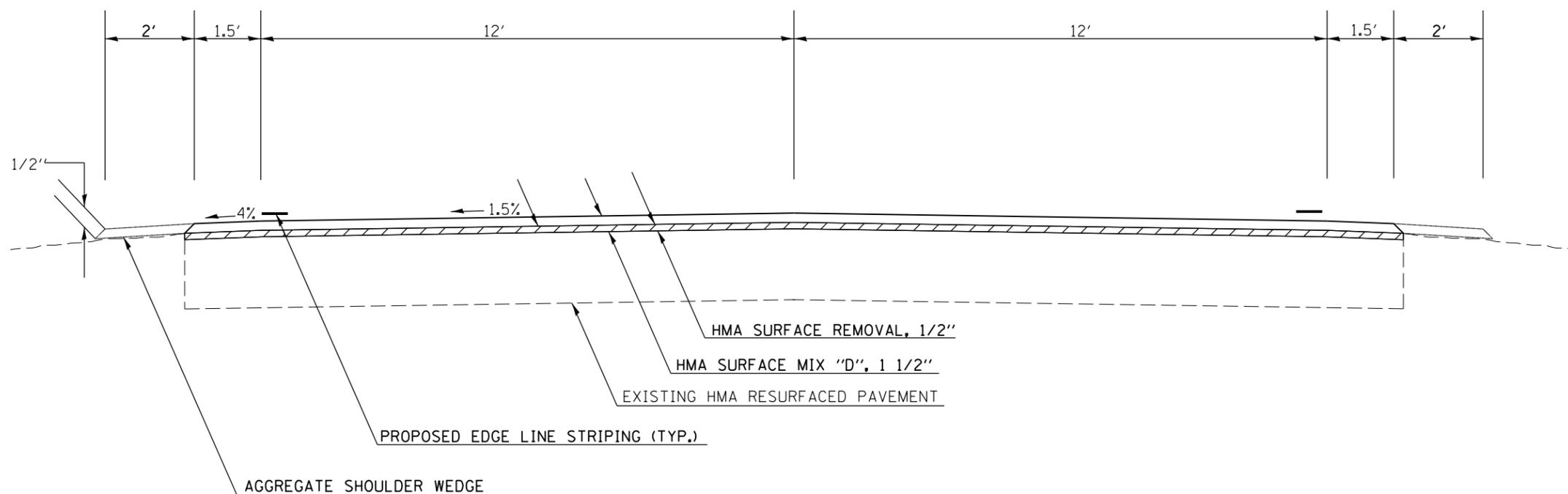
TO BE USED:
STA. 1+00 TO STA. 9+50

STATIONING DOES NOT REFLECT ACTUAL STAMPED STATIONING OF US 51.
THE CENTER OF THE SOUTH ENTRANCE OF TOM'S PLACE SHOULD BE USED AS STATION 0+00.

•THICKNESS VARIES FROM STA. 3+25 TO STA. 3+75 AND STA. 6+50 TO STA. 7+00
SEE PAVEMENT AND SHOULDER SCHEDULE

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\kellykd\0294597\78302-shb-typ-sch-tes.dgn		DRAWN -	REVISED -					322	•	JACKSON	16	7
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 78302		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 3/23/2012	DATE -	REVISED -									

LOCATION #2
 US 51
 JACKSON CO.



TO BE USED:
 STA. 511+50 TO STA. 565+61

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\kellykd\0294597\78302-shfb-typ_sch_ties.dgn		DRAWN -	REVISED -					322	.	JACKSON	16	8
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 78302				
PLOT DATE = 3/23/2012		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

LOCATION #1 US 51 JACKSON CO.
PAVEMENT AND SHOULDER SCHEDULE

LOCATION			HMA SURF CSE MIX "C", N90	BIT MAT PRIME COAT *	AGG PRIME COAT	AGG SHLDRS TYPE B	HMA SURFACE REMOVAL (VAR DEPTH)	HMA SURFACE REMOVAL (BUTT JOINT)	TEMPORARY RAMP
			TON	GAL	TON	TON	SQ YD	SQ YD	SQ YD
US 51									
1+00.	TO	3+25.	57	61	1	4	675	90	15
3+25.	TO	3+75.	16	14	0.2	1	150		
3+75.	TO	6+50.	70	74	1	5	825		
6+50.	TO	7+00.	16	14	0.2	1	150		
7+00.	TO	9+50.	63	68	1	5	750	90	15
TOTAL			222	230	4	16	2,550	180	30

•DEPTH VARIES IN HMA THICKNESS

•DEPTH VARIES IN HMA THICKNESS

• ONE APPLICATION FOR HMA SURFACE REMOVAL

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT AND SHOULDER SCHEDULE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 3/23/2012		DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

LOCATION #2 US 51 JACKSON CO.
PAVEMENT AND SHOULDER SCHEDULE

LOCATION			HMA SURF CSE MIX "C", N90	BIT MAT PRIME COAT *	AGG PRIME COAT	AGG SHLDRS TYPE B	HMA SURFACE REMOVAL 1/2"	HMA SURFACE REMOVAL (BUTT JOINT)	TEMPORARY RAMP
			TON	GAL	TON	TON	SQ YD	SQ YD	SQ YD
US 51									
511+50.	TO	565+61.	1365	1461	24	137	16239	90	30
TOTAL			1,365	1,461	24	137	16,239	90	30

* ONE APPLICATION FOR HMA SURFACE REMOVAL

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT AND SHOULDER SCHEDULE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 3/23/2012	DATE -	REVISED -								

LOCATION # 1 US 51 JACKSON CO.
PAVEMENT MARKING SCHEDULE

LOCATION			PAINT PAVEMENT MARKING		TEMPORARY PAVEMENT MARKING		SHORT-TERM PAVEMENT MARKING (*)	WORK ZONE PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
			LINE - 4" YELLOW SKIP DASH FOOT	LINE - 4" WHITE SOLID FOOT	YELLOW LINE 4" FOOT	WHITE LINE 4" FOOT				
US 51										
1+00.	TO	9+50.	213	1,700	213	1,700	155	689	11	11
TOTAL			213	1,700	213	1,700	155	689	11	11
			1,913		1,913					

• ONE APPLICATION EACH FOR MILLING AND SURFACE

LOCATION #2 US 51 JACKSON CO.
PAVEMENT MARKING SCHEDULE

LOCATION			PAINT PAVEMENT MARKING			TEMPORARY PAVEMENT MARKING		SHORT-TERM PAVEMENT MARKING (*)	WORK ZONE PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
			LINE - 4" YELLOW		LINE - 4" WHITE	YELLOW LINE 4"	WHITE LINE 4"				
			LEFT SOLID	RIGHT SOLID	SOLID						
			FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	EACH	EACH	
US 51											
511+50.	TO	516+55.	505	505	1,010	1,010	1,010	92	703.9	7	7
516+55.	TO	565+61.	1,227	SKIP DASH	9,812	1,227	9,812	892	3976.8	62	62
TOTAL			1,732	505	10,822	2,237	10,822	984	4,681	69	69
			13,059			13,059					

• ONE APPLICATION EACH FOR BINDER AND SURFACE

PATCHING SCHEDULE US 51 JACKSON CO.

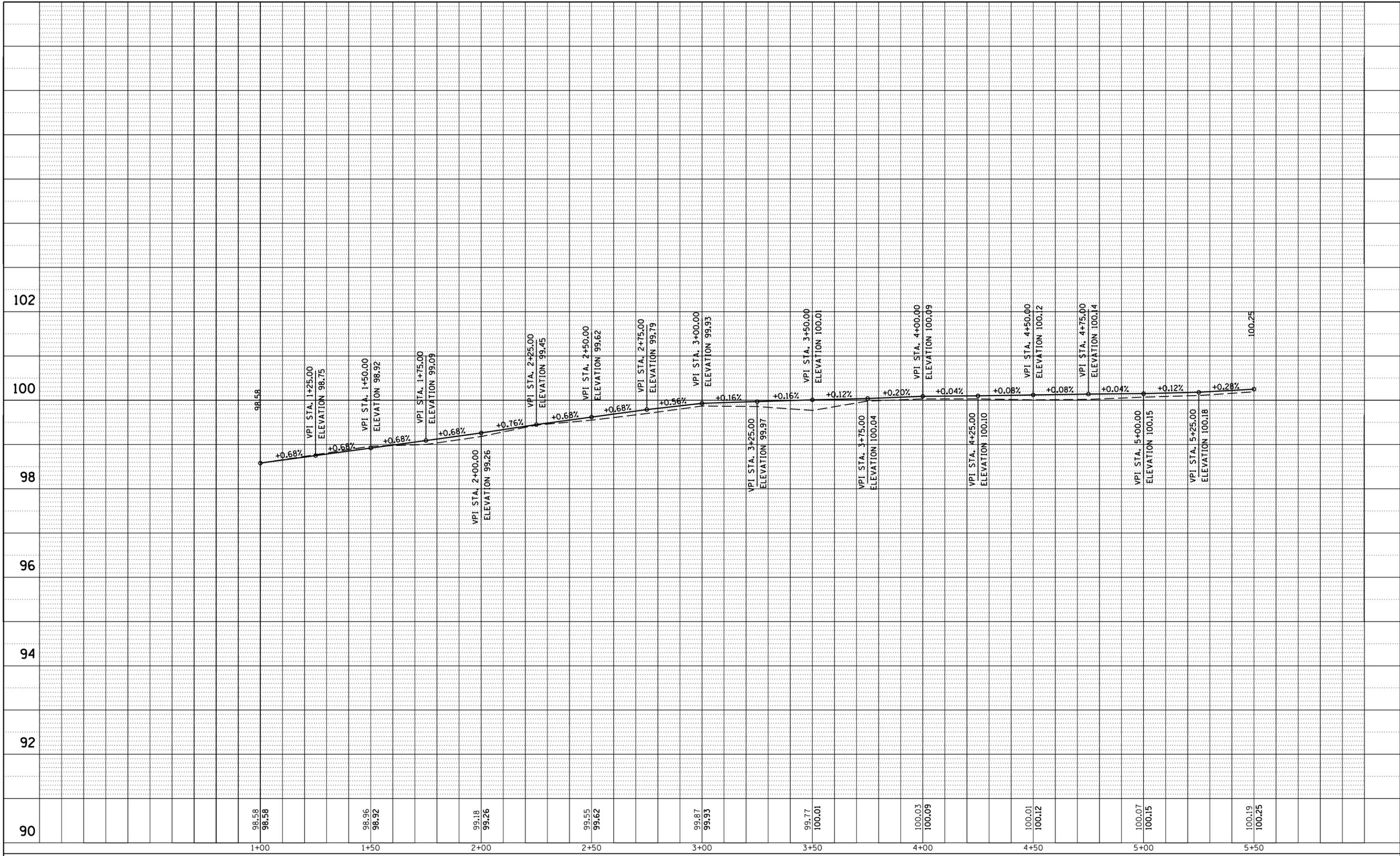
LOCATION #2

FOR INFORMATION ONLY

LOCATION	LENGTH	WIDTH	AREA	CLASS D PATCHES, TYPE II, 12 INCH	CLASS D PATCHES, TYPE III, 12 INCH
	FOOT	FOOT	SQ YD	SQ YD	SQ YD
MP 0.0 IS AT HALLIDAYBORO RD					
NB LANES					
MP 0					
0.3	6	12	8.00	8.00	
	6	12	8.00	8.00	
	6	12	8.00	8.00	
0.4	15	12	20.00		20.00
	15	12	20.00		20.00
	10	12	13.33	13.33	
	10	12	13.33	13.33	
	8	12	10.67	10.67	
	15	12	20.00		20.00
0.6	15	12	20.00		20.00
0.7	10	12	13.33	13.33	
	15	12	20.00		20.00
0.8	18	12	24.00		24.00
0.9	15	12	20.00		20.00
	15	12	20.00		20.00
1.0	10	12	13.33	13.33	
	10	12	13.33	13.33	
1.2	15	12	20.00		20.00
	15	12	20.00		20.00
1.3	15	12	20.00		20.00
NB LANE SUB-TOTALS				102	224
SB LANES					
MP 0					
0.4	6	12	8.00	8.00	
	6	12	8.00	8.00	
0.5	6	12	8.00	8.00	
	6	12	8.00	8.00	
	8	12	10.67	10.67	
0.6	6	12	8.00	8.00	
	12	12	16.00		16.00
0.7	15	12	20.00		20.00
0.9	10	12	13.33	13.33	
1.1	10	12	13.33	13.33	
1.2	15	12	20.00		20.00
1.3	15	12	20.00		20.00
	15	12	20.00		20.00
SB LANES SUB-TOTALS				78	96
LOCATION #2 TOTAL				180	320

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	NO. _____		
	CARD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		



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 PLOT DATE = 3/23/2012

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

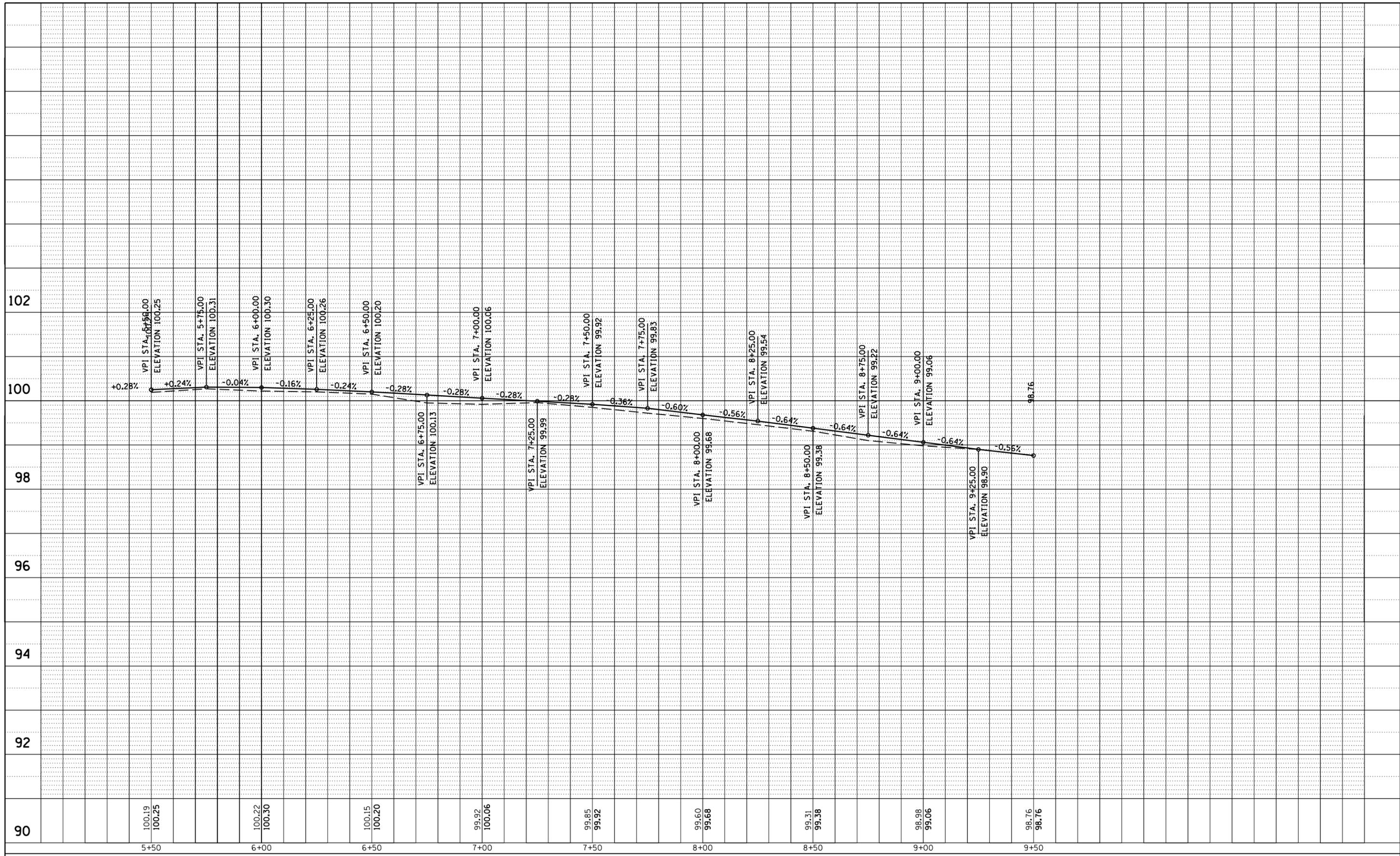
**LOCATION #1
PLAN AND PROFILE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	•	JACKSON	16	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78302	

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	ALIGNED		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		



90	100.19 100.25	100.22 100.30	100.15 100.20	99.92 100.06	99.85 99.92	99.60 99.68	99.31 99.38	98.98 99.06	98.76 98.76
	5+50	6+00	6+50	7+00	7+50	8+00	8+50	9+00	9+50

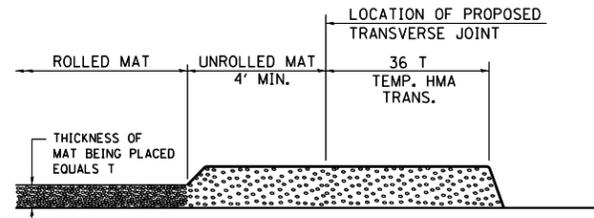
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #1 PLAN AND PROFILE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

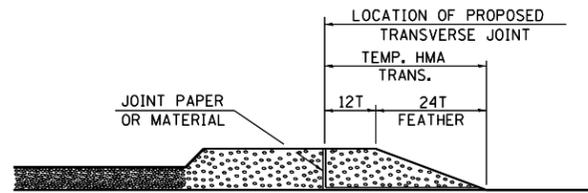
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	•	JACKSON	16	15
			CONTRACT NO. 78302	
ILLINOIS FED. AID PROJECT				

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



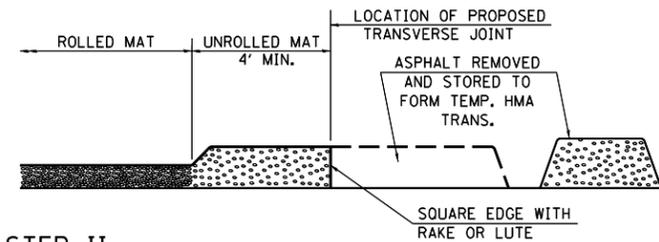
STEP I

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 36 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



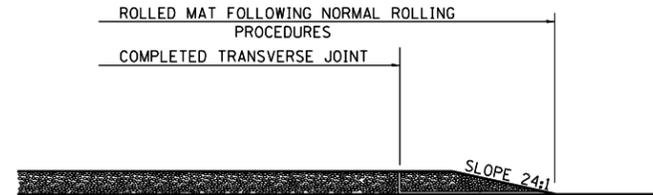
STEP III

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

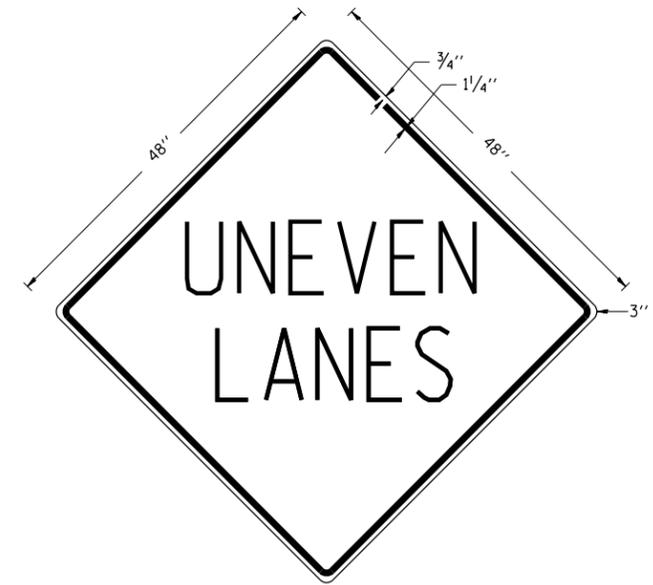
1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE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

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.

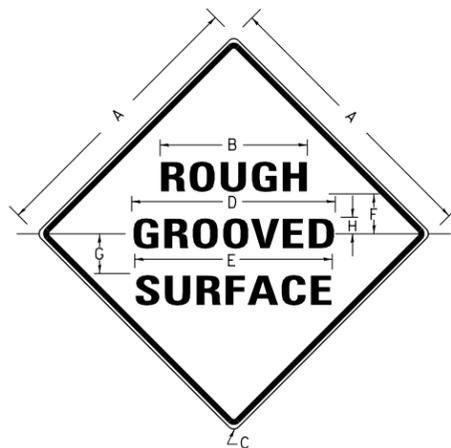
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

STD. 9-41

REVISIONS	
DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	7-23-04
RESIZED	5-08-08

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.

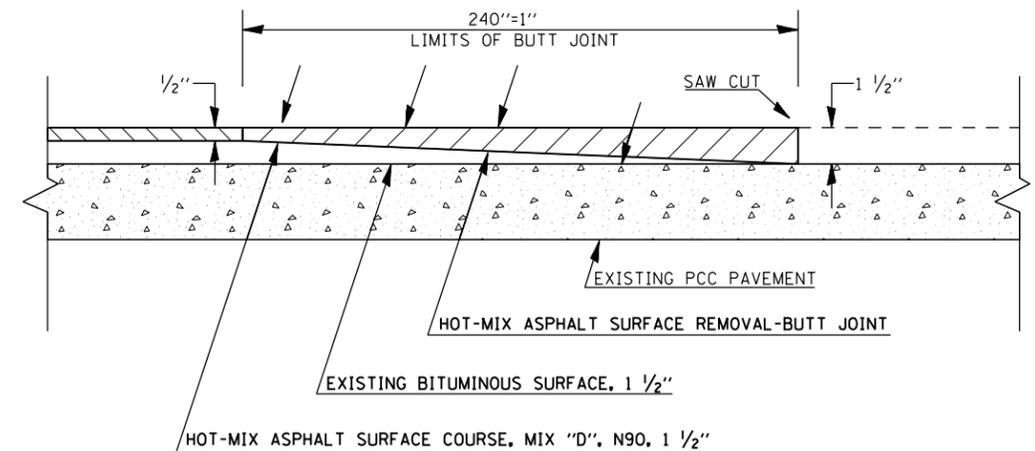
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

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

STD. 9-39

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

BUTT JOINT DETAIL



SECTION A-A

TO BE USED:

LOCATION #1
STA. 1+00 BEGINNING OF PROJECT
STA. 9+50 END OF PROJECT

LOCATION #2
STA. 511+50 BEGINNING OF PROJECT
STA. 565+61 END OF PROJECT

FILE NAME =	USER NAME = USER\$*	DESIGNED -	REVISED -
et:\pwork\pwork\kellykd\0294597\78302-sh1-deta1.s.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 3/23/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY HMA TRANSITIONS, ROUGH GROOVED
SURFACE, UNEVEN LANES AND BUTT JOINT DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	*	JACKSON	16	16
CONTRACT NO. 78302				