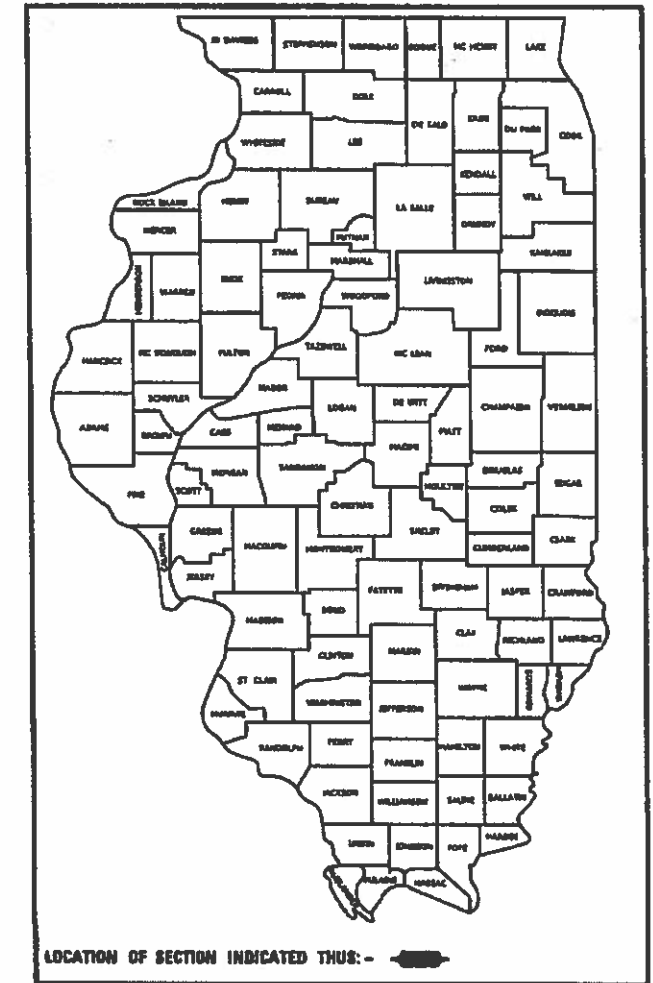


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.S. ATE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2935	14RS-2	VARIOUS	15	1
		ILLINOIS	CONTRACT NO. 78704	

UNION / PULASKI

D-89-012-48



**PROPOSED  
HIGHWAY PLANS**

FAS ROUTE 2936 (OLD US 51)  
SECTION 14RS-2  
PROJECT DELTA-H54Y(893)  
MILLING AND RESURFACING  
UNION AND PULASKI COUNTIES

C-99-019-19

FOR INDEX OF SHEETS, SEE SHEET NO. 3  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5-6

**TRAFFIC DATA**

OLD US 51			
	2015	2019	2039
PV =	1,885	1,960	2,390
SU =	125	130	160
MU =	40	40	50
ADT =	2,050	2,130	2,600

**TOWNSHIPS**

DONGOLA, WETAUG, ULLIN

PROJECT BEGINS  
STA. 502+30

UNION/PULASKI CO LINE  
STA. 585+50

OMISSION STA. 553+64 TO 554+47  
SN 091-0063

PROJECT ENDS  
STA. 698+00



POSTED SPEED : 55 MPH

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

PROJECT ENGINEER: MELISSA COLE  
PROJECT DESIGNER: VALERIE ROLLA

CONTRACT NO. 78704

GROSS LENGTH = 19,570 FT. = 3.71 MILES  
NET LENGTH = 19,487 FT. = 3.68 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Feb 1 20 19

Kath Rolata  
REGION FIVE ENGINEER

March 22 20 19  
Scott A. Etk  
ENGINEER OF DESIGN AND ENVIRONMENT

March 22 20 19  
Paul P. Chif  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

MODEL: Default  
FILE NAME: \\P:\0845\0845\11505\11505.DWG

Prepared By: Charles Stein  
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Stein  
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carrie  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Kevin Kelly  
DISTRICT OPERATIONS ENGINEER

Examined By: Keith Roberts  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Douglas J. Tullis  
DISTRICT CONSTRUCTION ENGINEER

Examined By: [Signature]  
DISTRICT MATERIALS ENGINEER

USER NAME = colamm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNATURE SHEET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2935	14RS-2	VARIOUS	15	2
CONTRACT NO. 78704				
ILLINOIS FED. AID PROJECT UNION / PULASKI				

# INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS, COMMITMENTS
4	MIX DESIGN
5-6	SUMMARY OF QUANTITIES
7	TYPICAL SECTIONS: OLD US 51
8-11	SCHEDULES
12	DETAILS: BUTT JOINT
13	DETAILS: TEMP HMA TRANSITIONS DETAILS: ROUGH GROOVED SURFACE DETAILS: UNEVEN LANES
14-15	DETAILS: SIDEROAD AND ENTRANCE

# HIGHWAY STANDARDS

- 000001-07\_STANDARDSYMBOLSABBREVIATIONS&PATTERNS
- 442201-03\_CLASSCDPATCHES
- 701001-02\_OFFRDOP-2L2W-15FTMINFROMEOP
- 701006-05\_OFFRDOP-2L2W-15FTTOEOP
- 701011-04\_OFFRDMOVINGOP-2L2W-DAYONLY
- 701306-04\_LNCLOSURE2L2W-SLOWMOVEOPDAYONLY45MPHORMORE
- 701311-03\_LNCLOSURE2L2W-MOVINGOPDAYONLY
- 701326-04\_LNCLOSURE2L2W-PVMTWIDENING45MPHORMORE
- 701336-07\_LNCLOSURE2L2W-WORKAREASIN SERIES45MPHORMORE
- 701901-08\_TRAFCNTRLDEVICES
- 780001-05\_TYPICALPVMTMRKINGS
- 781001-04\_TYPICALAPPRAISEDREFLCPVMTMRKRS

# GENERAL NOTES

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 TONS/CU. YD.

ALL AGGREGATE 2.05 TONS/CU. YD.

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

ON ALL SUPERELEVATED CURVES, THE PROPOSED BASE COURSE WIDENING SHALL BE CONSTRUCTED WITH A SLOPE CONFORMING TO THE RATE OF SUPERELEVATION OF THE EXISTING PAVEMENT.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL, BINDER COURSE, AND SURFACE COURSE

ATTAINMENT OF PROPER CROWN OR SUPERELEVATION SHALL BE FULLY ACCOMPLISHED WITH THE HOT MIX ASPHALT SURFACE REMOVAL OR HOT MIX ASPHALT BINDER COURSE OR LEVELING BINDER, WHEN SPECIFIED.

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED HOT MIX ASPHALT SURFACE 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 IN. TALL, OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

HMA 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 FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

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.

AFTER A LIFT OF HOT MIX ASPHALT HAS BEEN PLACED, THE LANE SHALL REMAIN CLOSED TO TRAFFIC UNTIL THE NEW MAT HAS COOLED TO 150 DEGREES FAHRENHEIT

THE CONTRACTOR SHALL COMPLETE ALL PATCHING PRIOR TO THE HOT MIX ASPHALT SURFACE REMOVAL.

COMMITMENTS: NONE

MODEL: Default  
 FILE: \\nas01.psu.edu\B&E\BID\NTEC\Illinois.gov\RWIDOT\Documents\DOT\_Offices\Illinois\78704\CADD\B&E\BID\78704-Sheets.dgn

USER NAME = colemm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STANDARDS AND GENERAL NOTES</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					2935	14RS-2	VARIOUS	15	3
PLOT DATE = 2/1/2019	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				
	DATE -	REVISED -		CONTRACT NO. 78704			ILLINOIS FED. AID PROJECT				

**MIX DESIGN**

Locations	Hot-Mix Asphalt Surface Course and Incidental HMA Resurfacing
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N70
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition (Gradation Mixture)	IL-9.5mm
Friction Aggregate	C Surface
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCP
Sublot Size:	TBD

Locations	Hot-Mix Asphalt Binder
Mixture Use(s):	Hot-Mix Asphalt Leveling Binder, N70, Fine Graded
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture (Gradation)	IL-9.5mm Fine Graded
Friction	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCP
Sublot Size:	TBD

Locations	Hot-Mix Asphalt Shoulders (Top Lift)
Mixture Use(s):	Hot-Mix Asphalt Surface Course, N30, IL-9.5L
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 30 Gyration Design
Mixture Composition (Gradation Mixture)	IL-9.5L
Friction Aggregate	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	NA

**MIX DESIGN**

Locations	Hot-Mix Asphalt Shoulders (Lower Lifts)
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N30, IL-19.0L
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 30 Gyration Design
Mixture (Gradation)	IL-19.0L
Friction	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	NA

Locations	Pavement Patching
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N70, IL-19.0
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture (Gradation)	IL-19.0mm
Friction	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	NA

MODEL: Default  
 FILE: \\pulsask\pulsask\B&E\BIDD\ITEC\Illinois\gov\PIWDOT\Documents\1\DOT\_Offices\Bldg\9\Projects\78704\CADD\Drawings\78704-Sheets.dgn

USER NAME = colemm	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 2/1/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MIX DESIGN</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2935	14RS-2	VARIOUS	15	4
			CONTRACT NO. 78704	
		ILLINOIS	FED. AID PROJECT	

# SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	UNION CO	PULASKI CO
				ROUTE:	OLD US 51	OLD US 51
				FUNDING:	80%FED / 20%STATE	80%FED / 20%STATE
				LOCATION:	RURAL	RURAL
					0005	0005
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	391		166	225
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	367		245	122
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	32,636		13,611	19,025
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	4,001		1,691	2,310
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	373		220	153
40600990	TEMPORARY RAMP	SQ YD	52		39	13
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	4,001		1,691	2,310
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	72		24	48
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	38,974		16,474	22,500
44200140	PAVEMENT PATCHING, TYPE I, 12 INCH	SQ YD	4		0	4
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	1,434		646	788
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SQ YD	287		122	165
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SQ YD	975		60	915
48101200	AGGREGATE SHOULDERS, TYPE B	TON	805		339	466

MODEL: Default  
 FILE NAME: P:\1108\B&E\DOT\Illinois.gov\PIV\DOT\Documents\DOT\_Offices\District 9\Projects\78704\CADD\DATA\CAD\Sheets\78704-Sheets.dgn

USER NAME = colemm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2935	14R5-2	VARIOUS	15	5
CONTRACT NO. 78704				
ILLINOIS FED. AID PROJECT UNION / PULASKI				

REV. - MS

# SUMMARY OF QUANTITIES - CONT

COUNTY:	UNION CO	PULASKI CO
ROUTE:	OLD US 51	OLD US 51
FUNDING:	80%FED / 20%STATE	80%FED / 20%STATE
LOCATION:	RURAL	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0005	0005
48203017	HOT-MIX ASPHALT SHOULDERS, 5"	SQ YD	2,425	1,025	1,400
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	1	2
67100100	MOBILIZATION	L SUM	1	0.4	0.6
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.4	0.6
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	0.4	0.6
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.4	0.6
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5,315	2,247	3,068
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,772	749	1,023
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	69,102	29,564	39,538
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	69,102	29,564	39,538
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	247	104	143
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	247	104	143
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	23,034	9,855	13,179
Z0034105	MATERIAL TRANSFER DEVICE	TON	8,003	3,383	4,620

REV. - MS

MODEL: Default  
FILE NAME: P:\1108\BARDNET\Illinois.gov\PIVDOT\Documents\DOT Offices\District 9\Projects\78704\CADDData\CAD\Sheets\DS78704-Sheets.dgn

USER NAME = colemm	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/1/2019	DATE -	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

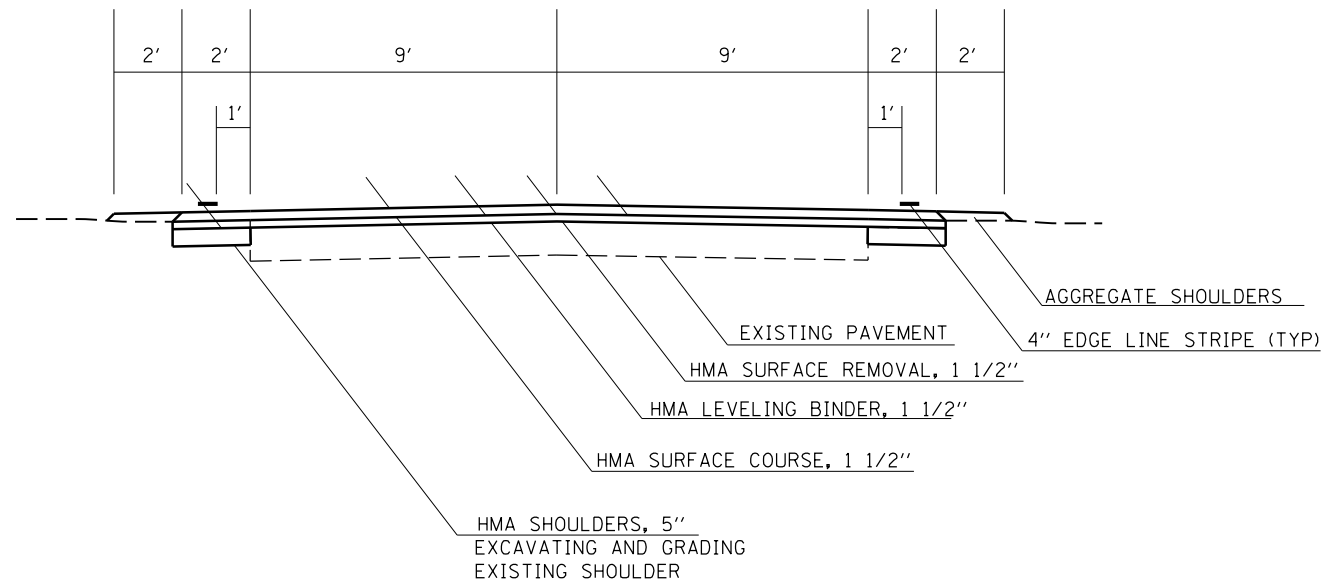
**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2935	14R5-2	VARIOUS	15	6
CONTRACT NO. 78704				
ILLINOIS FED. AID PROJECT				

UNION / PULASKI

OLD US 51  
FAS ( 2936 )  
⊕



TO BE USED:  
STA. 502+30 TO STA. 698+00  
OMISSION STA. 553+64 TO STA. 554+47

- SEQUENCE OF CONSTRUCTION:
1. PAVEMENT PATCHING
  2. HMA SURFACE REMOVAL, 1 1/2"
  3. EXCAVATING AND GRADING EXISTING SHOULDER
  4. HMA SHOULDERS, 5"
  5. HMA RESURFACING
  6. PAVEMENT MARKING ( STRIP EDGE LINE @ 10' LANES )

MODEL: Default  
 FILE: \\mhc-pw\ulb\BEBID\NTEC\Illinois.gov\PWIDOT\Documents\DOT\_Offices\Director\Projects\78704\CADD\Drawn\CAD\Drawn\78704-Sheets.dgn

USER NAME = colemm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2935	14RS-2	VARIOUS	15	7
			CONTRACT NO. 78704	

ILLINOIS FED. AID PROJECT

UNION / PULASKI





# PATCHING SCHEDULE

(1) Lane	MP	Patch #	Width (ft)	Length (ft)	Marked Quantities (sy)			
					TY I	TY II	TY III	TY IV
S. End	0.0	1	9.0	6.0		6.0		
		2	9.0	6.0		6.0		
		3	9.0	8.0		8.0		
		4	9.0	8.0		8.0		
	0.1	5	9.0	6.0		6.0		
		6	9.0	6.0		6.0		
		7	9.0	30.0				30.0
		8	9.0	6.0		6.0		
		9	9.0	6.0		6.0		
		10	9.0	6.0		6.0		
		11	9.0	6.0		6.0		
		12	9.0	20.0			20.0	
	0.2	13	9.0	30.0				30.0
		14	9.0	6.0		6.0		
		15	9.0	6.0		6.0		
		16	9.0	15.0			15.0	
		17	9.0	6.0		6.0		
		18	9.0	6.0		6.0		
		19	9.0	10.0		10.0		
		20	9.0	10.0		10.0		
	0.3	21	9.0	8.0		8.0		
		22	9.0	10.0		10.0		
		23	9.0	10.0		10.0		
		24	9.0	10.0		10.0		
		25	9.0	10.0		10.0		
		26	9.0	20.0			20.0	
		27	9.0	6.0		6.0		
		28	9.0	6.0		6.0		
		29	9.0	6.0		6.0		
		30	9.0	6.0		6.0		
	0.4	31	9.0	6.0		6.0		
		32	9.0	6.0		6.0		
		33	9.0	10.0		10.0		
		34	9.0	10.0		10.0		
		35	9.0	6.0		6.0		
		36	9.0	6.0		6.0		
		37	6.0	20.0		13.3		
SUBTOTAL					0.0	237.3	55.0	60.0

# PATCHING SCHEDULE

(1) Lane	MP	Patch #	Width (ft)	Length (ft)	Marked Quantities (sy)			
					TY I	TY II	TY III	TY IV
	0.5	38	9.0	10.0		10.0		
		39	9.0	10.0		10.0		
		40	9.0	6.0		6.0		
		41	9.0	6.0		6.0		
		42	9.0	6.0		6.0		
		43	9.0	6.0		6.0		
		44	9.0	30.0				30.0
	0.6	45	9.0	6.0		6.0		
		46	9.0	6.0		6.0		
		47	9.0	6.0		6.0		
		48	9.0	6.0		6.0		
	0.7	49	9.0	400.0				400.0
		50	9.0	40.0				40.0
	0.8	51	9.0	10.0		10.0		
		52	9.0	6.0		6.0		
		53	9.0	10.0		10.0		
		54	9.0	10.0		10.0		
		55	9.0	150.0				150.0
		56	9.0	50.0				50.0
		57	9.0	6.0		6.0		
		58	9.0	4.0	4.0			
	0.9	59	9.0	150.0				150.0
		60	9.0	6.0		6.0		
		61	9.0	6.0		6.0		
		62	9.0	6.0		6.0		
		63	9.0	6.0		6.0		
		64	9.0	6.0		6.0		
	1.0	65	9.0	10.0		10.0		
		66	9.0	10.0		10.0		
		67	9.0	6.0		6.0		
		68	9.0	6.0		6.0		
	1.1	69	9.0	6.0		6.0		
		70	9.0	6.0		6.0		
		71	9.0	6.0		6.0		
		72	9.0	6.0		6.0		
		73	9.0	12.0		12.0		
		74	9.0	12.0		12.0		
		75	9.0	8.0		8.0		
		76	9.0	8.0		8.0		
SUBTOTAL					4.0	236.0	0.0	820.0

# PATCHING SCHEDULE

(1) Lane	MP	Patch #	Width (ft)	Length (ft)	Marked Quantities (sy)			
					TY I	TY II	TY III	TY IV
	1.2	77	9.0	6.0		6.0		
		78	9.0	6.0		6.0		
		79	9.0	6.0		6.0		
		80	9.0	6.0		6.0		
		81	9.0	12.0		12.0		
		82	9.0	20.0			20.0	
		83	9.0	20.0			20.0	
		84	9.0	10.0		10.0		
		85	9.0	10.0		10.0		
	1.3	86	9.0	35.0				35.0
		87	9.0	10.0		10.0		
		88	9.0	10.0		10.0		
		89	9.0	15.0			15.0	
		90	9.0	15.0			15.0	
	1.4	91	9.0	6.0		6.0		
		92	9.0	6.0		6.0		
		93	9.0	6.0		6.0		
		94	9.0	6.0		6.0		
		95	9.0	6.0		6.0		
		96	9.0	6.0		6.0		
		97	9.0	6.0		6.0		
		98	9.0	6.0		6.0		
		99	9.0	6.0		6.0		
		100	9.0	6.0		6.0		
		101	9.0	6.0		6.0		
	1.5	102	9.0	6.0		6.0		
		103	9.0	6.0		6.0		
		104	9.0	6.0		6.0		
		105	9.0	6.0		6.0		
		106	9.0	6.0		6.0		
		107	9.0	6.0		6.0		
		108	9.0	20.0			20.0	
		109	9.0	20.0			20.0	
	1.6	110	9.0	6.0		6.0		
		111	9.0	6.0		6.0		
		112	9.0	8.0		8.0		
		113	9.0	8.0		8.0		
		114	9.0	12.0		12.0		
		115	9.0	12.0		12.0		
SUBTOTAL					0.0	230.0	110.0	35.0

MODEL: Default  
 FILE: \\pulsask\B&E\BID\ITEC\Illinois\pwr\pwr\DOT\Documents\DOT\_Offices\Illinet\9\Projects\78704\CADD\Bids\CAD\Sheet\78704-Sheets.dgn

USER NAME = colemm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PATCHING SCHEDULE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2935	14RS-2	VARIOUS	15	9
CONTRACT NO. 78704				
ILLINOIS FED. AID PROJECT				

# PATCHING SCHEDULE

(1) Lane	MP	Patch #	Width (ft)	Length (ft)	Marked Quantities (sy)			
					TY I	TY II	TY III	TY IV
	1.7	116	9.0	6.0		6.0		
		117	9.0	6.0		6.0		
		118	9.0	6.0		6.0		
		119	9.0	6.0		6.0		
		120	9.0	6.0		6.0		
		121	9.0	6.0		6.0		
		122	9.0	8.0		8.0		
		123	9.0	8.0		8.0		
	1.8	124	9.0	6.0		6.0		
		125	9.0	6.0		6.0		
		126	9.0	10.0		10.0		
		127	9.0	10.0		10.0		
SUBTOTAL					0.0	84.0	0.0	0.0
TOTAL (PULASKI CO.)					4.0	787.3	165.0	915.0

# PATCHING SCHEDULE

(1) Lane	MP	Patch	Width	Length	Marked Quantities (sy)			
					TY I	TY II	TY III	TY IV
	1.9	128	9.0	6.0		6.0		
		129	9.0	6.0		6.0		
		130	9.0	6.0		6.0		
		131	9.0	10.0		10.0		
		132	9.0	10.0		10.0		
	2.0	133	9.0	6.0		6.0		
		134	9.0	6.0		6.0		
		135	9.0	8.0		8.0		
		136	9.0	8.0		8.0		
	2.1	137	9.0	8.0		8.0		
		138	9.0	10.0		10.0		
	2.2	139	9.0	10.0		10.0		
		140	9.0	10.0		10.0		
	2.3	141	9.0	20.0		20.0		
		142	9.0	20.0		20.0		
	2.4	143	9.0	30.0				30.0
		144	9.0	20.0		20.0		
		145	9.0	6.0		6.0		
		146	9.0	6.0		6.0		
	2.5	147	9.0	8.0		8.0		
		148	9.0	8.0		8.0		
	2.6	149	9.0	30.0				30.0
		150	9.0	15.0		15.0		
		151	9.0	6.0		6.0		
		152	9.0	6.0		6.0		
		153	9.0	6.0		6.0		
		154	9.0	6.0		6.0		
	2.7	155	9.0	6.0		6.0		
		156	9.0	6.0		6.0		
	2.8	157	9.0	10.0		10.0		
		158	9.0	10.0		10.0		
		159	9.0	6.0		6.0		
		160	9.0	6.0		6.0		
		161	9.0	8.0		8.0		
		162	9.0	8.0		8.0		
		163	9.0	6.0		6.0		
		164	9.0	6.0		6.0		
SUBTOTAL					0.0	228.0	75.0	60.0

# PATCHING SCHEDULE

(1) Lane	MP	Patch	Width	Length	Marked Quantities (sy)			
					TY I	TY II	TY III	TY IV
	2.9	165	9.0	6.0		6.0		
		166	9.0	6.0		6.0		
		167	9.0	6.0		6.0		
		168	9.0	6.0		6.0		
		169	9.0	10.0		10.0		
		170	9.0	12.0		12.0		
		171	9.0	6.0		6.0		
		172	9.0	6.0		6.0		
		173	9.0	8.0		8.0		
		174	9.0	8.0		8.0		
		175	9.0	8.0		8.0		
		176	9.0	8.0		8.0		
	3.0	177	9.0	6.0		6.0		
		178	9.0	6.0		6.0		
		179	9.0	6.0		6.0		
		180	9.0	6.0		6.0		
		181	9.0	12.0		12.0		
		182	9.0	16.0				16.0
		183	9.0	6.0		6.0		
		184	9.0	6.0		6.0		
		185	9.0	16.0				16.0
		186	9.0	12.0		12.0		
	3.1	187	9.0	12.0		12.0		
		188	9.0	15.0				15.0
		189	9.0	6.0		6.0		
		190	9.0	6.0		6.0		
		191	9.0	8.0		8.0		
		192	9.0	8.0		8.0		
	3.2	193	9.0	6.0		6.0		
		194	9.0	6.0		6.0		
		195	9.0	6.0		6.0		
		196	9.0	6.0		6.0		
		197	9.0	6.0		6.0		
		198	9.0	6.0		6.0		
		199	9.0	8.0		8.0		
		200	9.0	8.0		8.0		
	3.3	201	9.0	8.0		8.0		
		202	9.0	8.0		8.0		
		203	9.0	6.0		6.0		
		204	9.0	6.0		6.0		
		205	9.0	8.0		8.0		
		206	9.0	8.0		8.0		
SUBTOTAL					0.0	286.0	47.0	0.0

MODEL: Default  
 FILE: \\pulsaski01\B&E\ID\ITC\Illinois\gov\p\WIDOT\Documents\DOT\_Offices\Director\9\Projects\78704\CADD\Drawings\CAD\Drawings\78704-Sheets.dgn

USER NAME = colemm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PATCHING SCHEDULE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2935	14RS-2	VARIOUS	15	10
CONTRACT NO. 78704				
ILLINOIS		FED. AID PROJECT		

# PATCHING SCHEDULE

(1) Lane	MP	Patch	Width	Length	Marked Quantities (sy)			
	3.4	207	9.0	6.0		6.0		
		208	9.0	6.0		6.0		
		209	9.0	6.0		6.0		
		210	9.0	6.0		6.0		
	3.5	211	9.0	6.0		6.0		
		212	9.0	6.0		6.0		
		213	9.0	6.0		6.0		
		214	9.0	6.0		6.0		
		215	9.0	6.0		6.0		
		216	9.0	6.0		6.0		
		217	9.0	8.0		8.0		
		218	9.0	8.0		8.0		
	3.6	219	9.0	8.0		8.0		
		220	9.0	8.0		8.0		
		221	9.0	8.0		8.0		
		222	9.0	8.0		8.0		
		223	9.0	6.0		6.0		
		224	9.0	6.0		6.0		
		225	9.0	6.0		6.0		
	N. END	226	9.0	6.0		6.0		
		227						
SUBTOTAL					0.0	132.0	0.0	0.0
TOTAL (UNION CO.)					0.0	646.0	122.0	60.0
Totals					4.0	1433.3	287.0	975.0

# ENTRANCE SCHEDULE

LOCATION			EXIST SURFACE TYPE	PROP SURFACE TYPE	PROP AREA	INCIDENTAL HMA SURFACING	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HMA SURF REM - BUTT JOINT	AGG SHOULDER TY B
SIDE	ENTRANCE TYPE	# OF LOC								
UNION CO.										
RT	PRIVATE ENTRANCE	1	AGG	AGG	122	3	31			3
LT	PRIVATE ENTRANCE	7	AGG	AGG	122	16	214			17
LT	PRIVATE ENTRANCE	2	HMA	HMA	122	5		13		
RT	FIELD ENTRANCE	1	AGG	AGG	136			7		3
LT	FIELD ENTRANCE	1	AGG	AGG	136					3
TOTAL (UNION CO.)						24	245	20	0	26
PULASKI CO.										
RT	PRIVATE ENTRANCE	2	AGG	AGG	122	5	61			5
LT	PRIVATE ENTRANCE	2	AGG	AGG	122	5	61			5
LT	FIELD ENTRANCE	1	AGG	AGG	136					3
LT	SIDEROAD	1	AGG W APRON	HMA	615	12		154	40	
RT	SIDEROAD	1	O & C	O & C	615	13		154		
LT	SIDEROAD	1	HMA	HMA	615	13		154	40	
TOTAL (PULASKI CO.)						48	122	462	80	13
TOTAL =						72	367	482	80	39

MODEL: Default  
 FILE: \\nas01c.psu.edu\B&E\BID\ITEC\Illinois\gov\PIVDOT\Documents\DOT\_Offices\Director\9\Projects\78704\CaddData\CAD\Sheets\078704-Sheets.dgn

USER NAME = colemm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PATCHING AND ENTRANCE**  
**SCHEDULES**

SCALE: SHEET OF SHEETS STA. TO STA.

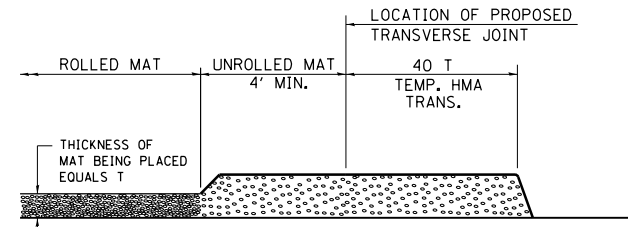
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2935	14RS-2	VARIOUS	15	11
CONTRACT NO. 78704				
ILLINOIS FED. AID PROJECT				

UNION / PULASKI



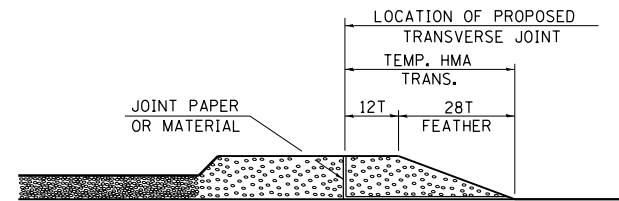
# TEMPORARY HOT-MIX ASPHALT TRANSITIONS

# ILLINOIS STANDARD



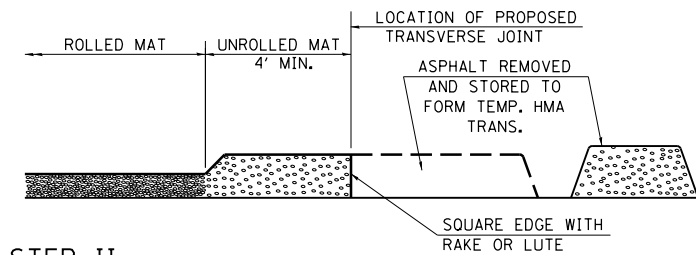
## STEP I

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.



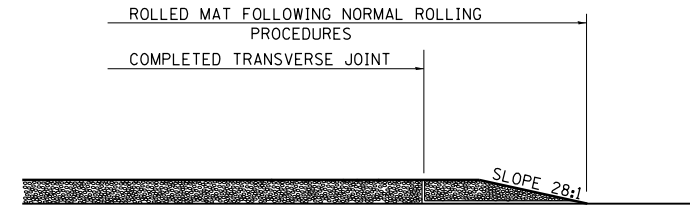
## STEP III

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.



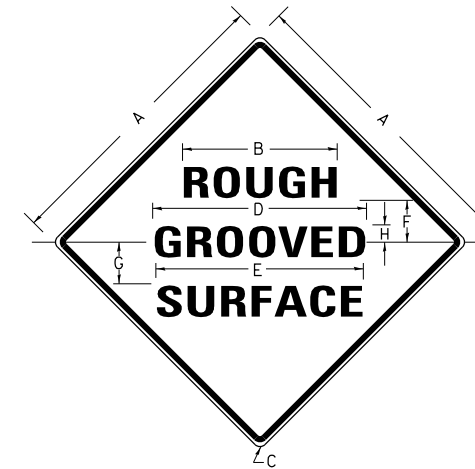
## STEP IV

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.

### REVISIONS

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

STD. 9-26



## 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.

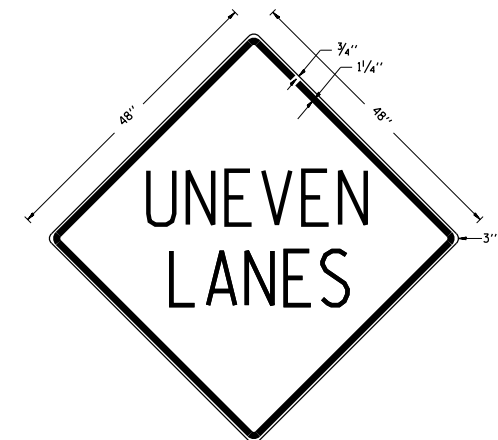
### REVISIONS

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

STD. 9-39

# 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	7-23-04
RESIZED	5-08-08
REVIEWED	5-17-13

STD. 9-41

MODEL: Default  
FILE: \\pulsask\pulsask\B&E\ID\NTEC\Illinois\gov\PIWDOT\Documents\DOT Office\DI\Irtct 9\Project\3178704\CADD\data\CAD\Sheet\0978704-Sheets.dgn

USER NAME = colemm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY HMA TRANSITIONS, ROUGH GROOVED SURFACE  
AND UNEVEN LANES DETAILS

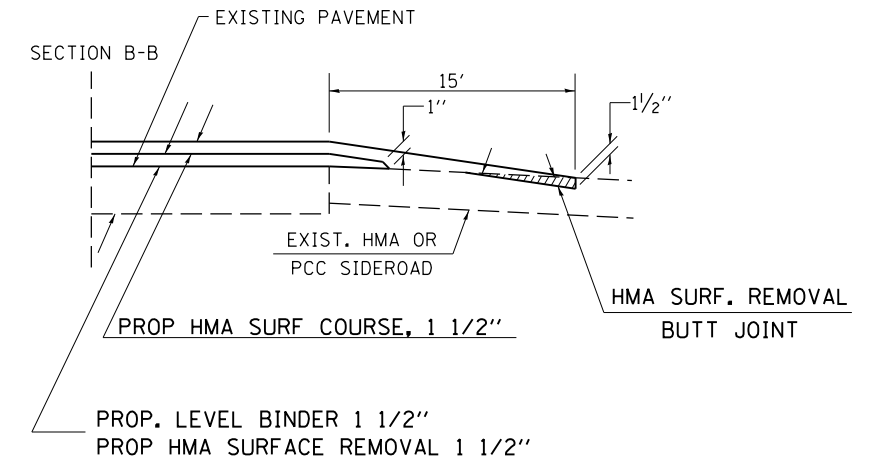
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2935	14R5-2	VARIOUS	15	13
			CONTRACT NO. 78704	
		ILLINOIS FED. AID PROJECT		

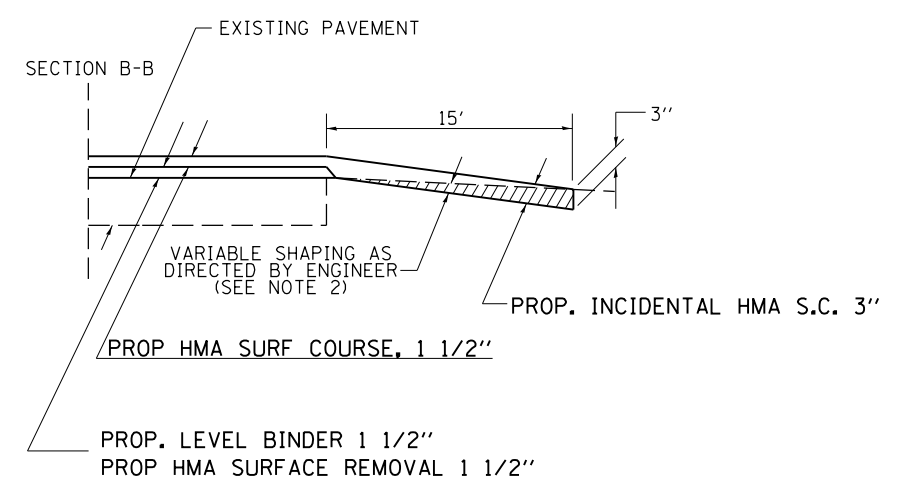
UNION / PULASKI



**EX. HMA OR PCC SIDEROADS  
WITH BUTT JOINT**



**EX. AGGREGATE SIDEROAD**



MODEL: Default  
 FILE: \\mhc-pw\ulb\BEBID\NTEC\Illinois.gov\PW\DOT\Documents\DOT - Offices\Director 9\Projects\78704\CADD\Drawn\CAD\Drawn\78704-Sheets.dgn

USER NAME = colemm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEROAD AND ENTRANCE  
DETAILS**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2935	14RS-2	VARIOUS	15	15
CONTRACT NO. 78704				
ILLINOIS FED. AID PROJECT				