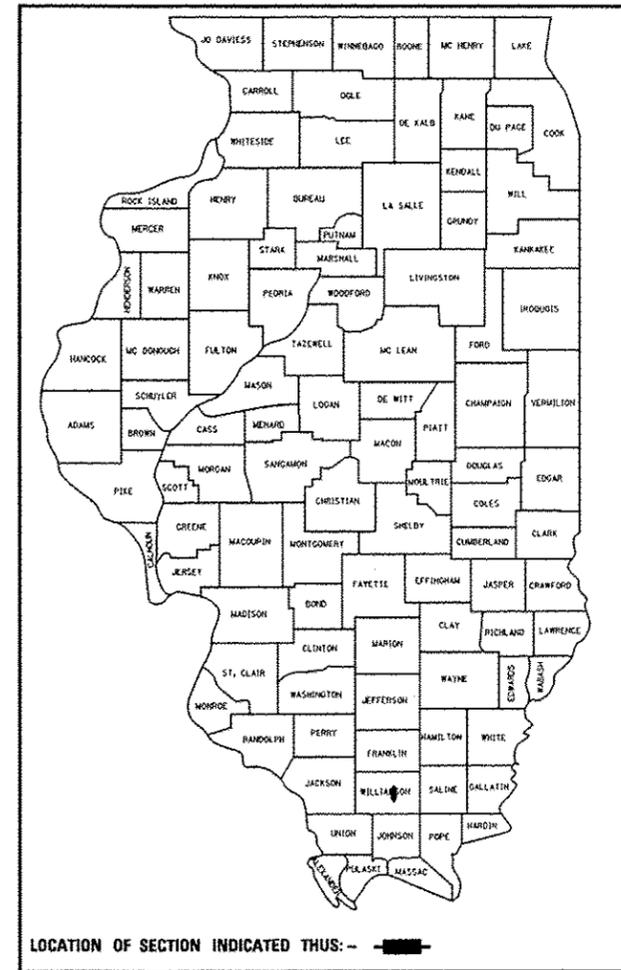


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
904	(6-1,17)RS-2,101RS-6	WILLIAMSON	13	1
ILLINOIS			78575	

D-99-026-17



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

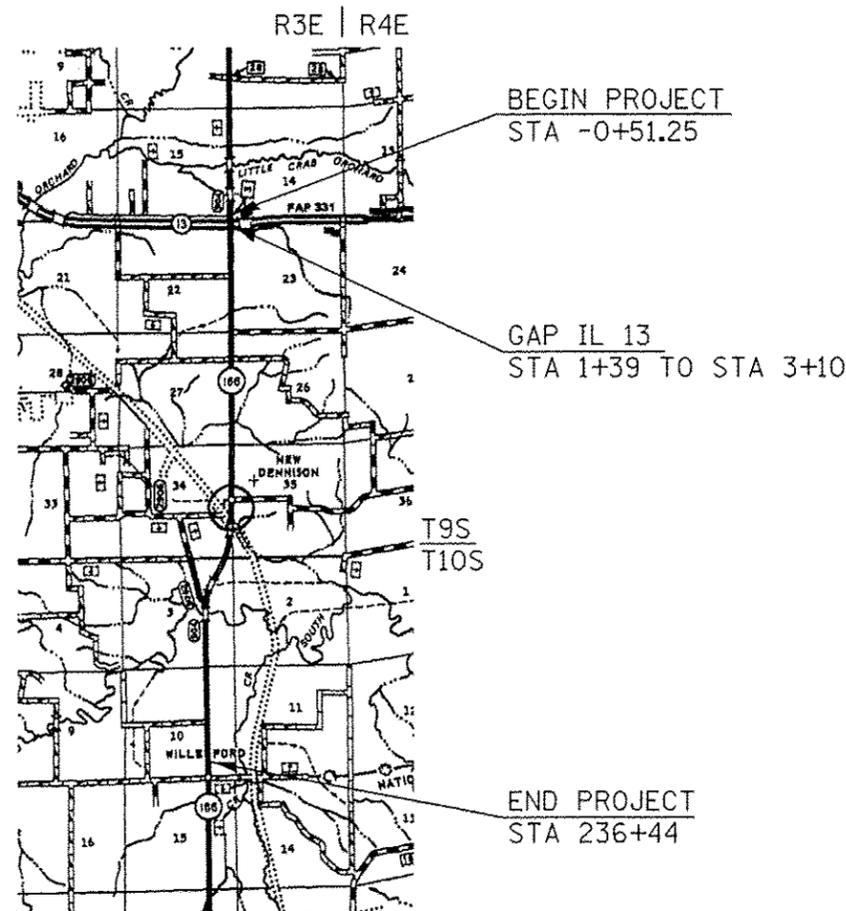
PROPOSED HIGHWAY PLANS

FAS ROUTE 904 (IL 166)
SECTION (6-1,17)RS-2,101RS-6
PROJECT STP-0904(005)
3P RESURFACING
WILLIAMSON COUNTY

TRAFFIC DATA

MOELLERS RD TO IL 13		
	2017	2037
PV	2,610	3,180
SU	150	185
MU	20	25
ADT	2,780	3,390
IL 13 TO OLD CREAL SPRINGS RD		
	2017	2037
PV	2,630	3,215
SU	50	60
MU	20	25
ADT	2,700	3,300
OLD CREAL SPRINGS RD TO CANAVILLE RD		
	2017	2037
PV	1,825	2,220
SU	270	330
MU	205	250
ADT	2,300	2,800

C-99-026-17



TOWNSHIPS: EAST MARION, CREAL SPRINGS

DESIGN DESIGNATION : 305(17) MAJOR COLLECTOR (NON-URBAN) 0.16 (HMA-20)
COORDINATE SYSTEM : NAD 1983 STATE PLANE ILLINOIS EAST FIPS 1201 FEET
POSTED SPEED : 55 MPH

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

PROJECT ENGINEER CHARLES STEIN
PROJECT DESIGNER VALERIE ROLLA

CONTRACT NO. 78575

OMISSION

SN 100-0029 STA 176+81.82 TO 178+78.18
SN 100-0070 STA 190+96 TO STA 192+67

GROSS LENGTH = 23630.95 FT. = 4.48 MILES
NET LENGTH = 23143.84 FT. = 4.38 MILES

STATION EQUATIONS

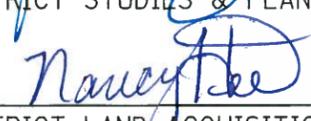
STA. 35+00.54 BK = STA. 35+14.16 AH
STA. 167+98.77 BK = STA. 167+96.44 AH
STA. 188+87.30 BK = STA. 188+89.06 AH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 15 2017
Jaffrey Z Keurn
REGION FIVE ENGINEER
May 12 2017
Maureen M. Adda PE
ENGINEER OF DESIGN AND ENVIRONMENT
May 12 2017
Maureen M. Adda
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

Prepared By: 
DISTRICT STUDIES & PLANS ENGINEER

Examined By: 
DISTRICT LAND ACQUISITION ENGINEER

Examined By: 
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: 
DISTRICT OPERATIONS ENGINEER

Examined By: 
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: 
DISTRICT CONSTRUCTION ENGINEER

Examined By: 
DISTRICT MATERIALS ENGINEER

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET

FILE NAME =	USER NAME = rollevr	DESIGNED -	REVISED -
p:\IL084EBIDINTEG.illinois.gov\PIDOT Documents\IDOT Offices\District 9\Projects\785	DRAWN	CADsheets\0978575_sht.dgn	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/7/2017	DATE -	REVISED -

SCALE	SHEET	OF	SHEETS	STA.	TO STA.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						904	(6-1,17)RS-2,10IRS-6	WILLIAMSON	13	2
ILLINOIS FED. AID PROJECT										

CONTRACT NO. 78575

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, STANDARDS, MIX DESIGN & MTD TABLE
4	GENERAL NOTES
5-6	SUMMARY OF QUANTITIES
7	TYPICAL SECTION
8-10	SCHEDULES
11	PLAN SHEET
12-13	DETAILS

MTD CROSSING RESTRICTIONS TABLE

SN & CENTERLINE STATION ROUTE (IL 166)	EXISTING FILL HEIGHT OVER BOX CULVERT	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT	MTD CROSSING RESTRICTIONS
	FOOT	FOOT	
SN 100-0070 (STA. 191+86.50)	N/A	0.83	EMPTYED
SN 100-0029 (STA. 177+80)	N/A	0.83	EMPTYED
SN 100-2008 (STA. 146+72.80)	1.2	0.83	EMPTYED
SN 100-7060 (STA. 98+29.30)	1.9	0.83	EMPTYED
SN 100-7061 (STA. 51+84.90)	1.5	0.83	EMPTYED
SN 100-7062 (STA. 45+05.30)	1	0.83	EMPTYED

MIXTURE DESIGN TABLE

STANDARDS

- 000001-06
- 001006
- 442201-03
- 701301-04
- 701306-03
- 701311-03
- 701336-06
- 701901-06
- 780001-05
- 781001-04
- 886001-01
- 886006-01

Locations	Hot-Mix Asphalt Shoulders
Mixture Use(s):	Hot-Mix Asphalt Shoulders, IL-9.5L
AC/PG:	PG64-22
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:	TBD
Number of Roller Passes:	N/A

Locations	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N70
AC/PG:	PG64-22
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
Number of Roller Passes:	N/A

Locations	Hot-Mix Asphalt Leveling Binder
Mixture Use(s):	Hot-Mix Asphalt Leveling Binder, N70, Fine Graded
AC/PG:	PG64-22
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm Fine Graded
Friction Aggregate:	None
Mixture Weight:	112 lbs/sq yd/in
Quality Management Program:	QCP
Sublot Size:	TBD
Number of Roller Passes:	N/A

Locations	Pavement Patching
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N70, IL-19.0mm
AC/PG:	PG64-22
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0mm
Friction Aggregate:	None
Mixture Weight:	112 lbs/sq yd/in
Quality Management Program:	QC/QA
Sublot Size:	TBD
Number of Roller Passes:	N/A

GENERAL NOTES

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

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 10%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

THE THICKNESS OF 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.

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

ATTAINMENT OF PROPER CROWN OR SUPERELEVATION SHALL BE FULLY ACCOMPLISHED WITH THE HOT MIX ASPHALT SURFACE REMOVAL 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 5⁵/₁₆ 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.

THE FURNISHING AND INSTALLATION OF THE 1 1/4 IN. CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT SHALL BE INCLUDED IN THE LOOP INSTALLATION UNLESS SHOWN OTHERWISE ON THE PLANS.

ALL DETECTOR LOOP CORNERS SHALL BE CORE DRILLED 2 IN. MINIMUM DIAMETER EXCEPT THOSE PLACED UNDER RESURFACING. THE DETECTOR LOOP CORNERS PLACED UNDER RESURFACING SHALL BE DIAGONALLY SAWCUT.

SAWED SLOTS FOR TWISTED PAIR ELECTRIC CABLES SHALL BE LARGER THAN SINGLE CONDUCTOR LOOP SLOTS.

THE LOCATION OF THE DETECTOR LOOPS AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER OF TRAFFIC OPERATIONS.

ALL DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO RESURFACING.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.

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

COMMITMENTS: NONE

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

THERE ARE NO AVAILABLE WASTE SITES ON THE EXISTING RIGHT OF WAY WITHIN THE PROJECT LIMITS. DISPOSAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

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

FILE NAME =	USER NAME = rollavr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 3/24/2017	DATE -	REVISED -									
											ILLINOIS FED. AID PROJECT	CONTRACT NO. 78575

SUMMARY OF QUANTITIES

WILLIAMSON
IL 166
80% FED / 20% STATE ✓
RURAL ✓
ROADWAY
0005 ✓

CODE NUMBER	ITEM DESCRIPTION	UNIT	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	46,503
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	2,789
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	386
40600990	TEMPORARY RAMP	SQ YD	235
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	5,702
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	69,099
44200120	PAVEMENT PATCHING, TYPE II, 10 INCH	SQ YD	140
44200124	PAVEMENT PATCHING, TYPE III, 10 INCH	SQ YD	60
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	45,910
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	612
48203100	HOT-MIX ASPHALT SHOULDERS	TON	304
67100100	MOBILIZATION	LSUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1

3

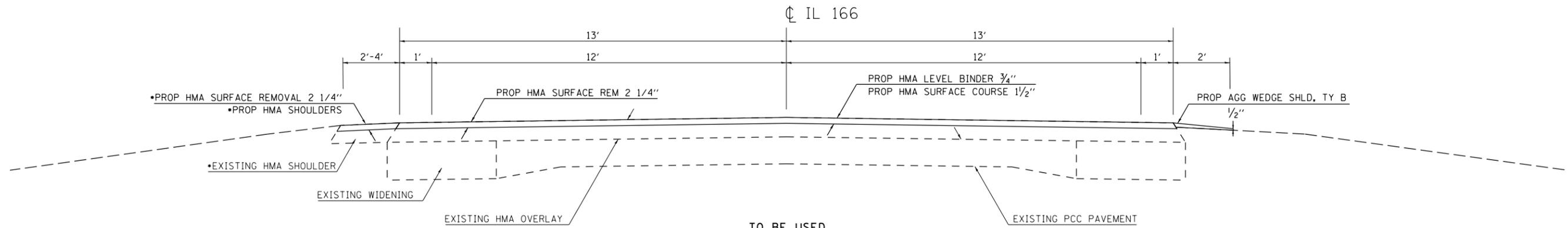
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SUMMARY OF QUANTITIES - CONT

WILLIAMSON
IL 166
80% FED / 20% STATE
RURAL
ROADWAY
0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,373
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	827
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	69,527
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	39
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	69,527
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	39
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	308
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	308
* 88600100	DETECTOR LOOP, TYPE I	FOOT	383
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	23,226
Z0034105	MATERIAL TRANSFER DEVICE	TON	8,491

* SPECIALTY ITEM

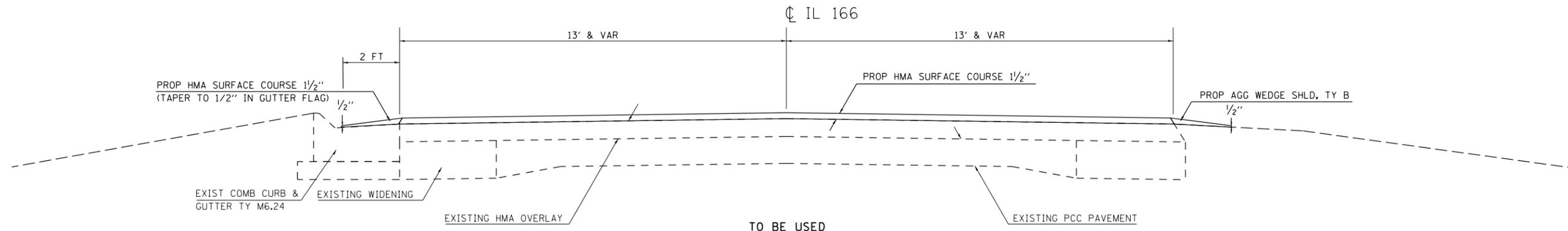


TO BE USED
STA 3+10 TO STA 236+44

STATION EQUATIONS
 STA 35+00.54 BK = STA 35+14.16 AH
 STA 167+98.77 BK = STA 167+96.44 AH
 STA 188+87.30 BK = STA 188+89.06 AH

OMISSION
 SN 100-0029 STA 176+81.82 TO 178+78.18
 SN 100-0070 STA 190+96 TO STA 192+67

*SEE SHOULDER SCHEDULE FOR PAVED SHOULDER STATIONS AND WIDTHS



TO BE USED
STA -0+51.25 TO STA 1+39

FILE NAME =	USER NAME = rollavr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\78575\Drawings\CAD\Sheets\0978575_sht.dgn		CHECKED -	REVISED -					904	(6-1,17)RS-2,10IRS-6	WILLIAMSON	13	7	
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 78575	
	PLOT DATE = 3/24/2017											ILLINOIS FED. AID PROJECT	

RESURFACING SCHEDULE

LOCATION STATION TO STATION			ROADWAY LENGTH	HMA SURFACE REMOVAL, 2 1/4"	HMA SURFACE COURSE, MIX C, N70	HMA LEVELING BINDER, N70, FG	MATERIAL TRANSFER DEVICE	BITUMINOUS MATERIALS (TACK COAT)	STRIP REFL CRACK CONTROL
			FT	SQ YD	TON	TON	TON	POUND	FOOT
-0+51.25	TO	1+69.60	220.85	447	129		129	687	
GAP 1+69.60 TO 3+10 (IL 13)									
3+10.00	TO	35+00.54	3190.54	9218	775	388	1163	6222	6382
STA. 35+00.54 BK = STA. 35+14.16 AH									
35+14.16	TO	167+98.77	13284.61	38378	3224	1612	4836	25905	26570
STA. 167+98.77 BK = STA. 167+96.44 AH									
167+96.44	TO	176+81.82	885.38	2558	215	108	323	1727	1771
GAP SN 100-0029									
178+78.18	TO	188+87.30	1009.12	2916	245	123	368	1968	2019
STA. 188+87.30 BK = STA. 188+89.06 AH									
188+89.06	TO	190+96.00	206.94	598	51	26	77	404	414
GAP SN 100-0070									
192+67.00	TO	236+44.00	4377.00	12645	1063	532	1595	8536	8754
TOTALS				66760	5702	2789	8491	45449	45910

FILE NAME =	USER NAME = rollavr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 9\Projects\78575\Drawings\CAD\Sheets\0978575_sht.dgn					DRAWN	904					(6-1,17)RS-2,10IRS-6	WILLIAMSON	13	8		
PLOT SCALE = 100.0000' / in.					CHECKED -	REVISED -							CONTRACT NO. 78575			
Default					DATE -	REVISED -							ILLINOIS FED. AID PROJECT			

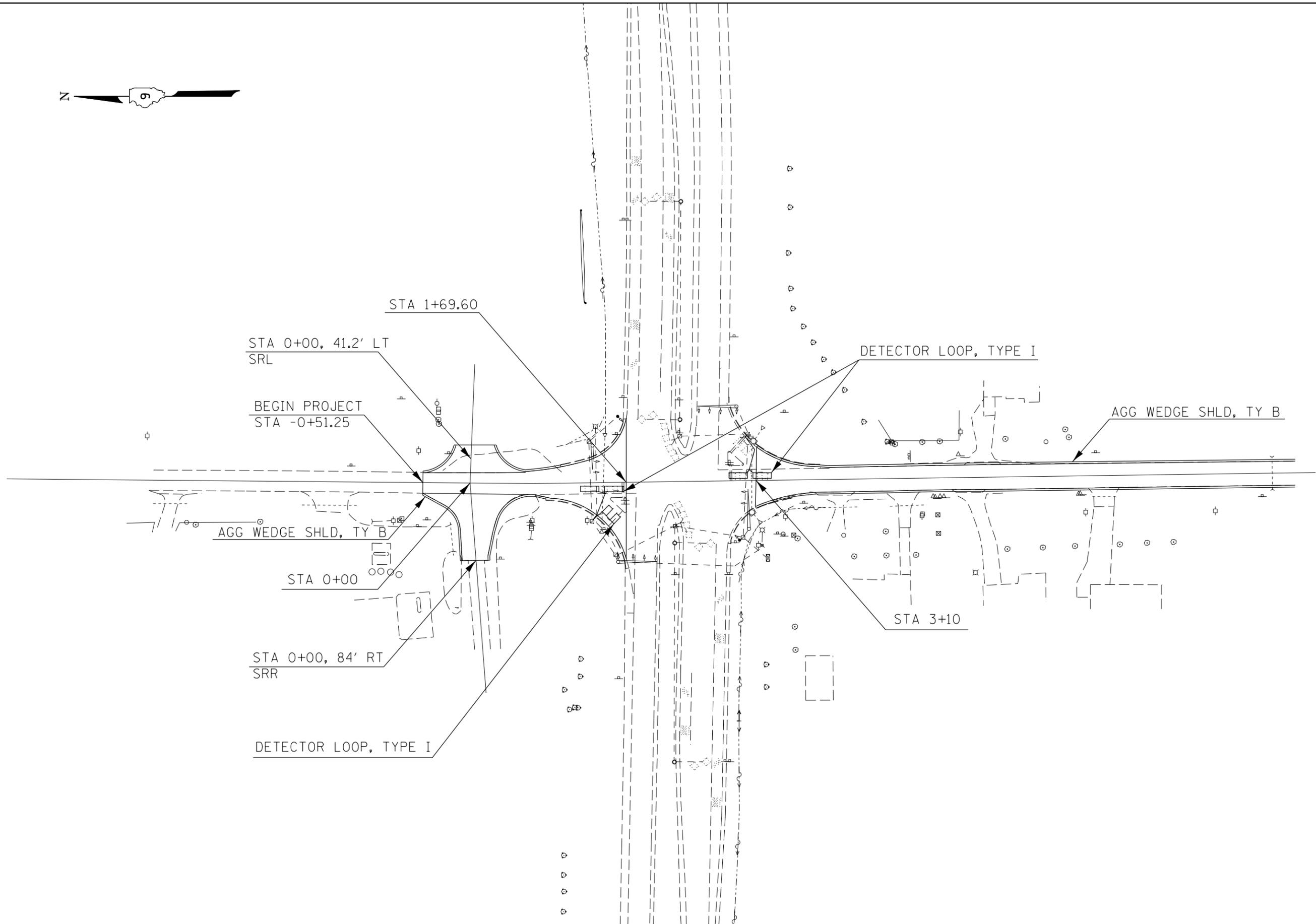
SHOULDER SCHEDULE

LOCATION STATION TO STATION				SHOULDER LENGTH	PAVED SHOULDER WIDTH	AGG SHOULDER WIDTH	HMA SURFACE REMOVAL, 2 1/4"	HMA SHOULDERS	AGG SHOULDER *	BITUMINOUS MATERIALS (TACK COAT)	COMMENTS	
				FT	FT	FT	SQ YD	TON	TON	POUND		
-0+51.25	TO	1+69.60	LT	220.85		2			2		2' AGG SHOULDER, 1 1/2" DROP AT EOP	
-0+51.25	TO	1+69.60	RT	220.85		2			3		2' AGG SHOULDER, 1 1/2" DROP AT EOP	
GAP 1+69.60 TO 3+10 (IL 166)												
3+10.00	TO	35+00.54	LT	3190.54		2			51		2' AGG SHOULDER	
3+10.00	TO	35+00.54	RT	3190.54		2			51		2' AGG SHOULDER	
STA. 35+00.54 BK = STA. 35+14.16 AH												
35+14.16	TO	148+67.00	LT	11352.84		2			180		2' AGG SHOULDER	
35+14.16	TO	148+60.00	RT	11345.84		2			180		2' AGG SHOULDER	
148+67.00	TO	167+98.77	LT	1931.77	2		430	56		194	2' HMA SHOULDER	
148+60.00	TO	167+98.77	RT	1938.77	2		431	56		194	2' HMA SHOULDER	
STA. 167+98.77 BK = STA. 167+96.44 AH												
167+96.44	TO	171+30.00	LT	333.56	2		75	10		34	2' HMA SHOULDER	
167+96.44	TO	171+30.00	RT	333.56	2		75	10		34	2' HMA SHOULDER	
171+30.00	TO	176+81.82	LT	551.82	4		246	32		111	4' HMA SHOULDER	
171+30.00	TO	176+81.82	RT	551.82	4		246	32		111	4' HMA SHOULDER	
GAP SN 100-0029												
178+78.18	TO	178+80.00	LT	1.82		2			1		2' AGG SHOULDER	
178+78.18	TO	178+91.00	RT	12.82		2			1		2' AGG SHOULDER	
178+80.00	TO	188+25.00	LT	945.00	4		420	54		189	4' HMA SHOULDER	
178+91.00	TO	188+25.00	RT	934.00	4		416	54		187	4' HMA SHOULDER	
188+25.00	TO	188+87.30	LT	62.30		2			1		2' AGG SHOULDER	
188+25.00	TO	188+87.30	RT	62.30		2			1		2' AGG SHOULDER	
STA. 188+87.30 BK = STA. 188+89.06 AH												
188+89.06	TO	190+96.00	LT	206.94		2			4		2' AGG SHOULDER	
188+89.06	TO	190+96.00	RT	206.94		2			4		2' AGG SHOULDER	
GAP SN 100-0070												
196+67.00	TO	236+44.00	LT	3977.00		2			63		2' AGG SHOULDER	
192+67.00	TO	236+44.00	RT	4377.00		2			70		2' AGG SHOULDER	
TOTALS								2339	304	612	1054	

*EXISTING AGGREGATE SHOULDER AT EOP IS APPROXIMATELY 2" LOW STA 3+10 TO STA 236+44

PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION			THERMO PVT MARK - LINE 4"				THERMO PVT MARK - LINE 12"	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMP PAVEMENT MARKING, LINE 4"	TEMP PAVEMENT MARKING, LINE 12"	TEMP PAVEMENT MARKING REMOVAL	RAISED REFL PAVEMENT MARKER	RAISED REFL PAVEMENT MARKER REMOVAL
			WHITE SOLID	YELLOW SOLID LT	YELLOW SKIP	YELLOW SOLID RT								
			FOOT	FOOT	FOOT	FOOT								
-0+51.25	TO	1+69.60	442	221		221	39	62	47	884	39	334	3	3
GAP 1+69.60 TO 3+10 (IL 13)														
3+10.00	TO	23+40.00	4060		508			203	68	4568		1523	26	26
23+40.00	TO	30+86.00	1492		187	746		75	25	2425		809	10	10
30+86.00	TO	32+99.00	426		54			22	8	480		160	3	3
32+99.00	TO	35+00.54	404	202	51			21	7	657		219	3	3
STA. 35+00.54 BK = STA. 35+14.16 AH														
35+14.16	TO	40+89.00	1150	575	144			58	20	1869		623	8	8
40+89.00	TO	61+11.00	4044		506			203	68	4550		1517	26	26
61+11.00	TO	69+17.00	1612		202	806		81	27	2620		874	11	11
69+17.00	TO	71+22.00	410		52			21	7	462		154	3	3
71+22.00	TO	78+65.00	1486	743	186			75	25	2415		805	10	10
78+65.00	TO	79+23.00	116		15			6	2	131		44	1	1
79+23.00	TO	87+25.00	1604		201	802		81	27	2607		869	11	11
87+25.00	TO	89+17.00	384		48			20	7	432		144	3	3
89+17.00	TO	95+84.00	1334	667	167			67	23	2168		723	9	9
95+84.00	TO	96+58.00	148		19			8	3	167		56	1	1
96+58.00	TO	105+40.00	1764		221	882		89	30	2867		956	12	12
105+40.00	TO	105+51.00	22	11		11		2	1	44		15	1	1
105+51.00	TO	114+53.00	1804	902	226			91	31	2932		978	12	12
114+53.00	TO	122+53.00	1600		200			80	27	1800		600	10	10
122+53.00	TO	133+47.00	2188		274	1094		110	37	3556		1186	14	14
133+47.00	TO	133+56.00	18	9		9		1	1	36		12	1	1
133+56.00	TO	143+32.00	1952	976	244			98	33	3172		1058	13	13
143+32.00	TO	145+41.00	418	209		209		21	7	836		279	3	3
145+41.00	TO	154+18.00	1754		220	877		88	30	2851		951	11	11
154+18.00	TO	167+98.77	2762	1381		1381		139	47	5524		1842	18	18
STA. 167+98.77 BK = STA. 167+96.44 AH														
167+96.44	TO	175+00.00	1408	704		704		71	24	2816		939	9	9
175+00.00	TO	176+81.82	364		46			19	7	410		137	3	3
GAP SN 100-0029														
178+78.18	TO	188+87.30	2019		253			101	34	2272		758	13	13
STA. 188+87.30 BK = STA. 188+89.06 AH														
188+89.06	TO	190+96.00	414		52			21	7	466		156	3	3
GAP SN 100-0070														
192+67.00	TO	194+00.00	266		34			14	5	300		100	2	2
194+00.00	TO	205+69.00	2338		293	1169		117	39	3800		1267	15	15
205+69.00	TO	215+48.00	1958	979		979		98	33	3916		1306	13	13
215+48.00	TO	223+25.00	1554	777	195			78	26	2526		842	10	10
223+25.00	TO	236+44.00	2638		330			132	44	2968		990	17	17
TOTALS			46353	8356	4928	9890	39	2373	827	69527	39	23226	308	308
			69527											



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	PLOT DATE = 3/24/2017	DATE -	REVISED -

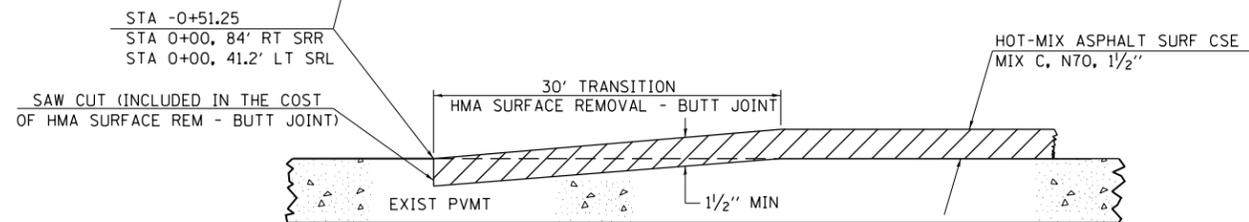
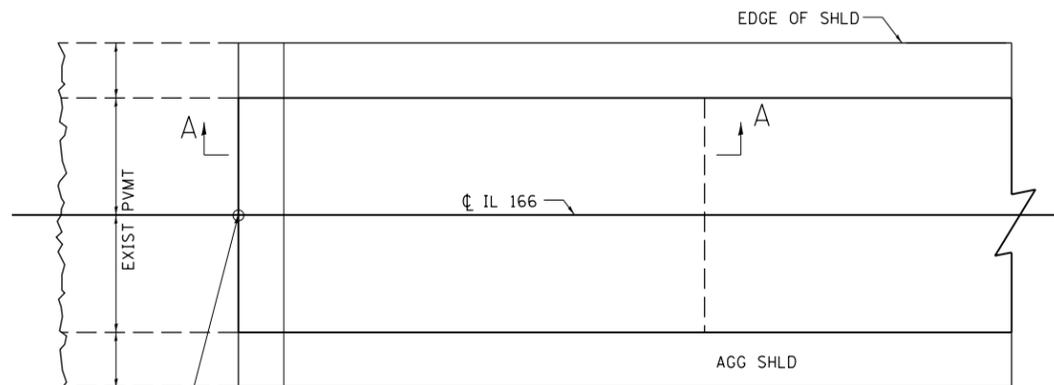
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
904	(6-1,17)RS-2,10IRS-6	WILLIAMSON	13	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78575	

BUTT JOINT

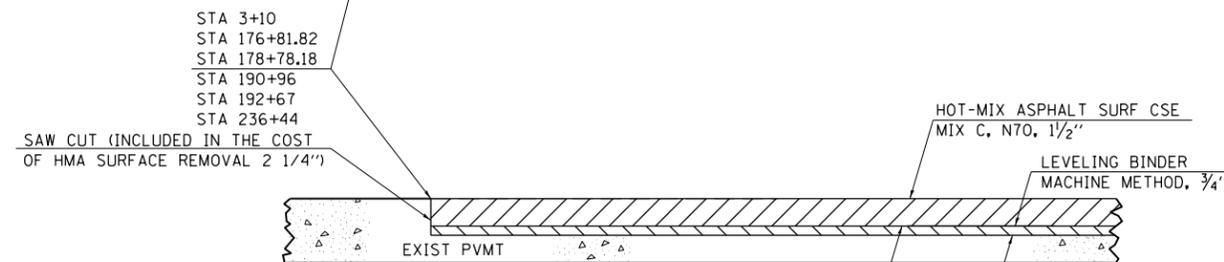
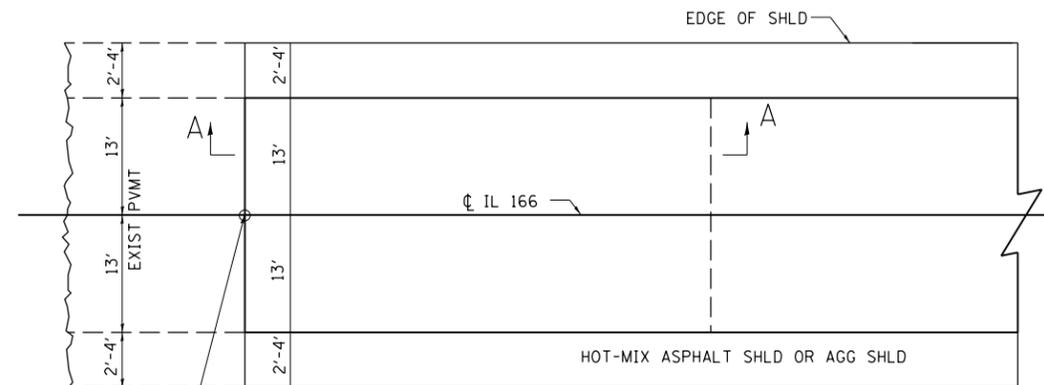


SECTION A-A

REVISIONS	
DRAWN	10-17-90
REVISED	01-11-07
REVISED	3-25-08
REVISED	5-17-13
REVISED	02-17-17

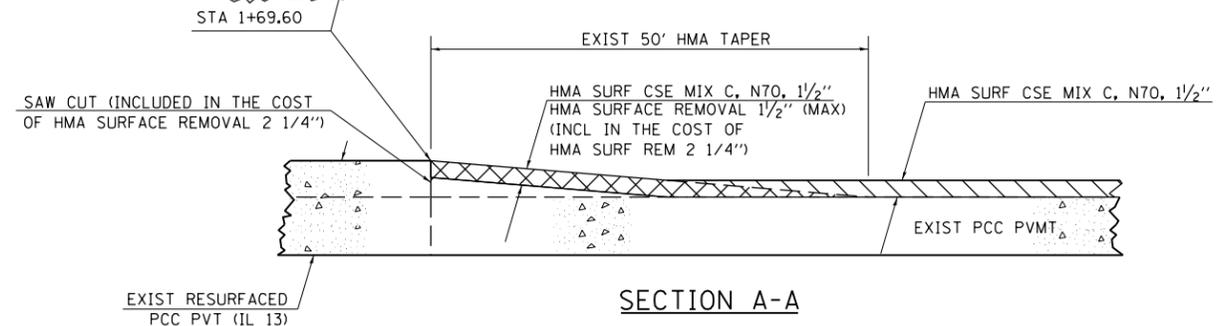
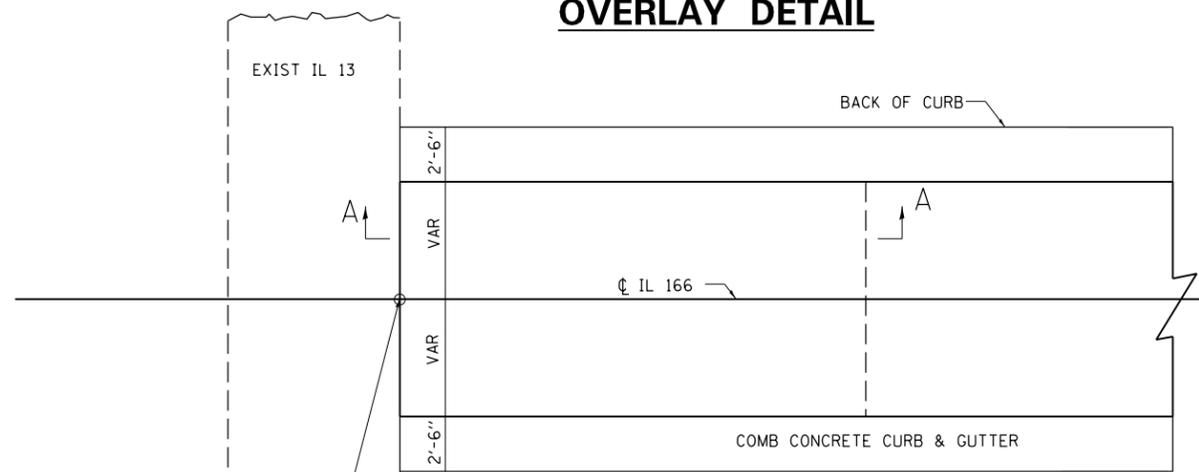
STD. 9-86

INLAY DETAIL



SECTION A-A

OVERLAY DETAIL



SECTION A-A

FILE NAME =	USER NAME = rollavr	DESIGNED -	REVISED -
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Default	PLOT DATE = 3/24/2017	DATE -	REVISED -

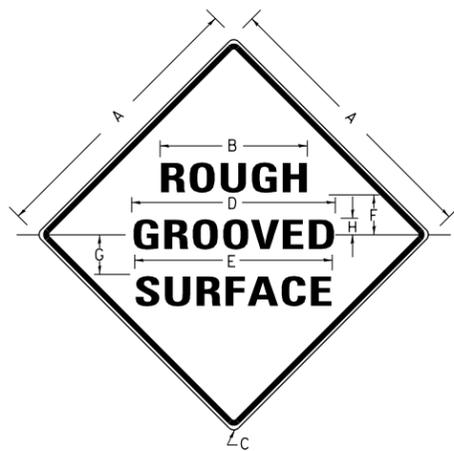
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
904	(6-1,17)RS-2,10IRS-6	WILLIAMSON	13	12
CONTRACT NO. 78575			ILLINOIS FED. AID PROJECT	

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	5-13-02
REVISIED	10-27-05
REVISIED	3-26-08
REVISIED	3-27-08
REVISIED	3-16-11
REVISIED	4-12-13

STD. 9-92

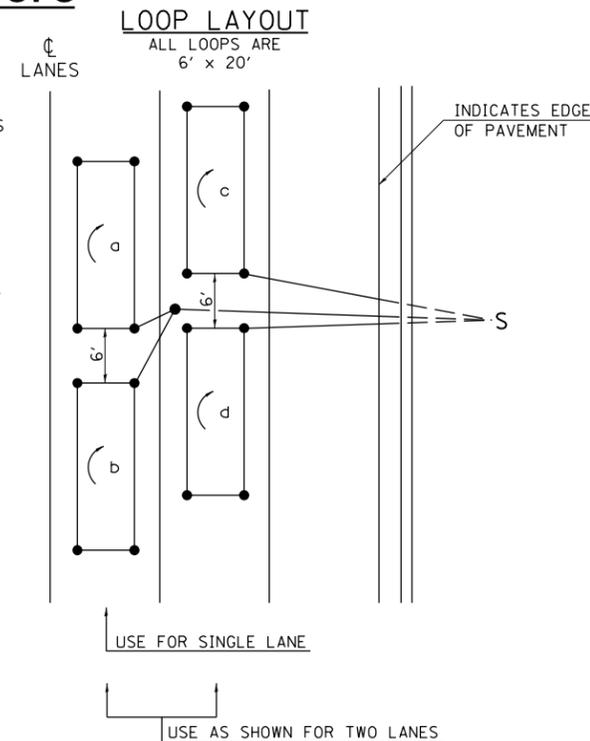
DETAIL OF DETECTOR LOOPS

NOTES

1. THE DETECTOR LOOPS SHALL BE TYPE I. EACH DETECTOR LOOP SHALL HAVE 3 TURNS OF LOOP WIRE AND BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 886 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
2. BEGINNING LEAD WIRES SHALL BE CONNECTED TO THE BLACK LEAD AND THE ENDING LEAD WIRES SHALL BE CONNECTED TO THE WHITE LEAD OF THE TWIN TWISTED FEED CABLES AT THE SPLICE POINT.
3. WHERE THE LOOPS ARE INSTALLED PRIOR TO RESURFACING, THE LOOP CORNERS SHALL BE DIAGONALLY CUT.

LOOP LEGEND

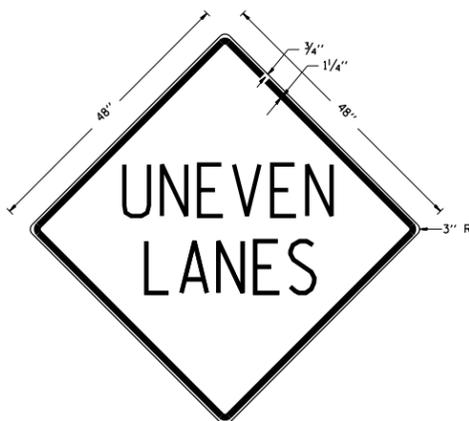
- () CLOCKWISE ROTATION FOR LOOP WIRES
- S INDICATES SPLICE POINT FOR DETECTOR LOOP LEAD
- INDICATES 2" CORE-DRILL



DETAIL 6' x 20' DETECTOR LOOPS

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.

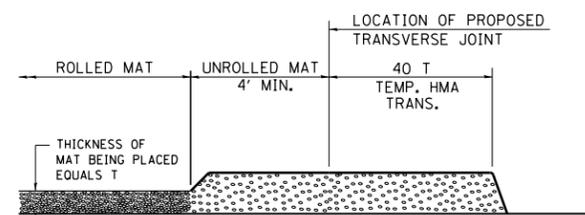
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

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

STD. 9-41

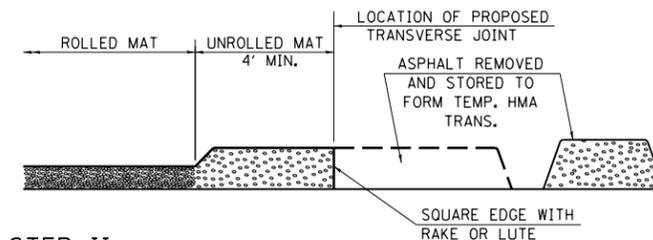
REVISIONS	
DRAWN	2-15-89
REVISIED	4-06-93
REDSIGNED	7-23-04
RESIZED	5-08-08
REVISIED	5-17-13

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



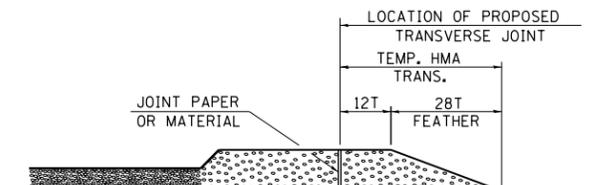
STEP I

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.



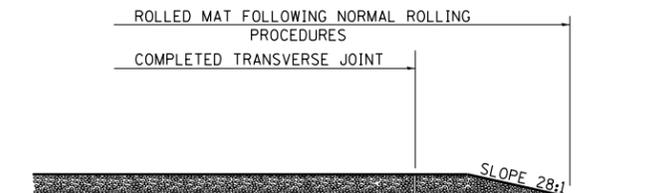
STEP II

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 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 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
REVISIED	8-16-94
REVISIED	01-09-07
RESIZED	05-8-08
REVISIED	05-16-13

FILE NAME =	USER NAME = rollavr	DESIGNED -	REVISIED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISIED -
	PLOT DATE = 3/24/2017	DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
904	(6-1,17)RS-2,10IRS-6	WILLIAMSON	13	13

CONTRACT NO. 78575
ILLINOIS FED. AID PROJECT