

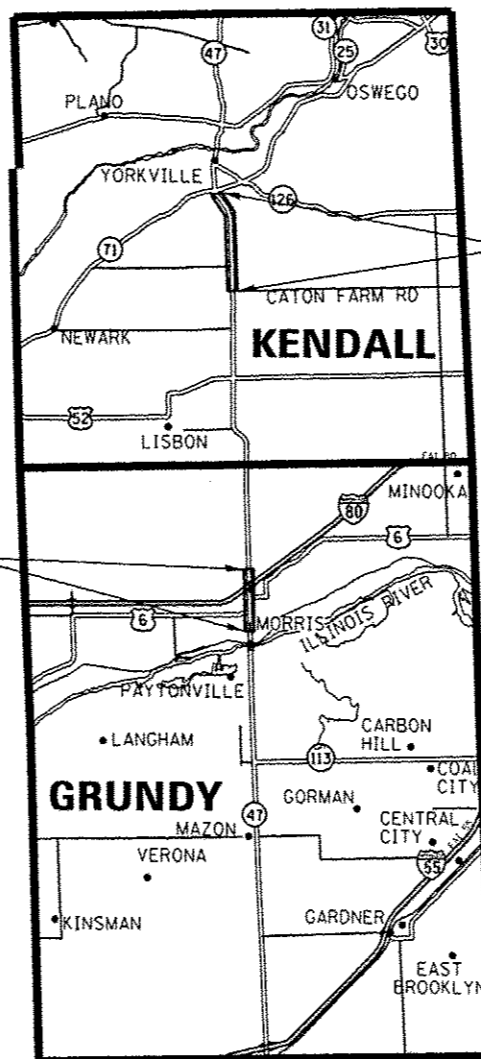
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 326 (IL 47 & IL 47/US 6)
SECTION **INTMT** SPRING RD REPAIR 2014-5

**MILLING AND RESURFACING
KENDALL & GRUNDY COUNTIES**

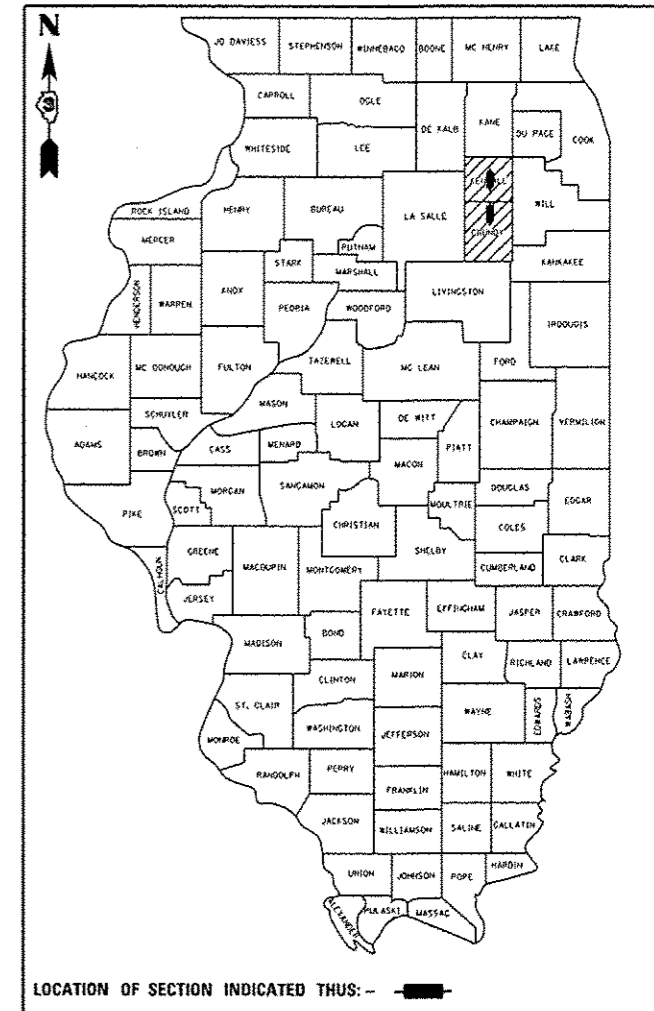
C-93-119-14



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326		KEN-GRU	8	1
		ILLINOIS	CONTRACT NO. 66D90	

*INTERMITTENT SPRING ROAD REPAIR 2014-5

D-93-068-14



IL 47 OTHER ARTERIAL-RURAL 2013 AST = 7100 PV = 74.3%, SU = 7.4%, MU = 18.3%	IL 47/US 6 OTHER ARTERIAL-URBAN 2013 AST = 2560 PV = 87.5%, SU = 6.8%, MU = 5.7%
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INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 - 5 SUMMARY OF QUANTITIES
- 6 TYPICAL SECTIONS
- 7 SCHEDULES OF QUANTITIES
- 8 DETAILS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 424006-01 DIAGONAL CURB RAMPS FOR SIDEWALKS
- 424011-01 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 424016-01 MID-BLOCK CURB RAMPS FOR SIDEWALKS
- 424021-02 DEPRESSED CORNER FOR SIDEWALKS
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701101-04 OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701606-09 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-09 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-05 LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-03 TRAFFIC CONTROL DEVICES
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUT FOR DETECTION LOOPS

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

PROJECT ENGINEER: CRAIG REED, P.E.
UNIT CHIEF: BRAD DUNCAN, P.E.
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66D90

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 11 2014
Paul Loethen, P.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9 2014
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 9 2014
Omair Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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GENERAL NOTES

THE THICKNESS OF HMA 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 HMA IS PLACED.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

CONTACT BUREAU OF OPERATIONS, TRAFFIC SIGNAL SECTION PRIOR TO MILLING IN THE EVENT DETECTOR LOOPS MAY BE AFFECTED.

ALL SOILS DISTURBED BY ANY CONSTRUCTION OPERATION SHALL BE LEFT ON, AND INCORPORATED WITHIN, THE PROJECT LIMITS AND EXISTING RIGHT OF WAY.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Tom Basuil
DISTRICT STUDIES & PLANS ENGINEER

DATE: 4-11-14

EXAMINED BY: Herbert Jang
DISTRICT CONSTRUCTION ENGINEER

Jim Phillips
DISTRICT MATERIALS ENGINEER

Dana A. Hatcher
DISTRICT OPERATIONS ENGINEER

•INTERMITTENT SPRING ROAD REPAIR 2014-5

FILE NAME =	USER NAME = duncorb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 1/8"=1'-0"		CHECKED -	REVISED -			CONTRACT NO. 66D90					
PLOT DATE = 4/10/2014		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE RURAL ROADWAY	100% STATE URBAN ROADWAY
				0005 KENDALL	0005 GRUNDY
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	6	2	4
40600535	LEVELING BINDER (HAND METHOD), N70	TON	10	4	6
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	923	923	
40603370	HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	1377		1377
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	406		406
42400800	DETECTABLE WARNINGS	SO FT	60		60
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	20537	8244	12293
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	76		76
44000600	SIDEWALK REMOVAL	SO FT	406		406
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	76		76
67100100	MOBILIZATION	L SUM	1	0.4	0.6
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1		1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1

14

FILE NAME :	USER NAME : duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE * 100,0000 ' / 1" =	CHECKED -	REVISED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 66090				
PLOT DATE * 4/11/2014	DATE -	REVISED -	REVISED -						ILLINOIS FED. AID PROJECT				

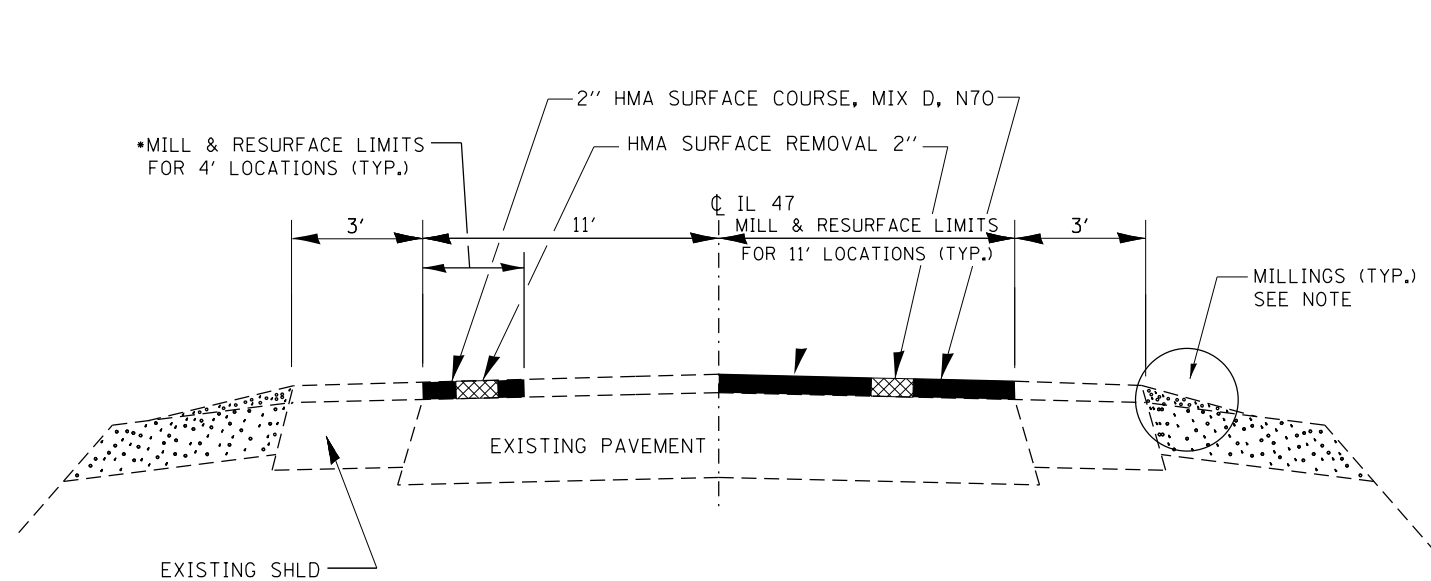
*INTERMITTENT SPRING ROAD REPAIR 2014-5

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE RURAL ROADWAY	100% STATE URBAN ROADWAY
				0005 KENDALL	0005 GRUNDY
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5		5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1520	620	900
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	506	206	300
△ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	27800	27800	
△ 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	3160	3160	
△ 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	500		500
△ 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	2220		2220
△ 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	523		523
△ 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	252		252
△ 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	60		60
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	197	78	119
△ 88600100	DETECTOR LOOP, TYPE I	FOOT	180		180
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	9174	3710	5464

△ SPECIALTY ITEMS

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				*INTERMITTENT SPRING ROAD REPAIR 2014-5				
onlp-work\pilot\duncanbd\0387041\036090-dht-500.dgn	DRAWN -	REVISED -			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
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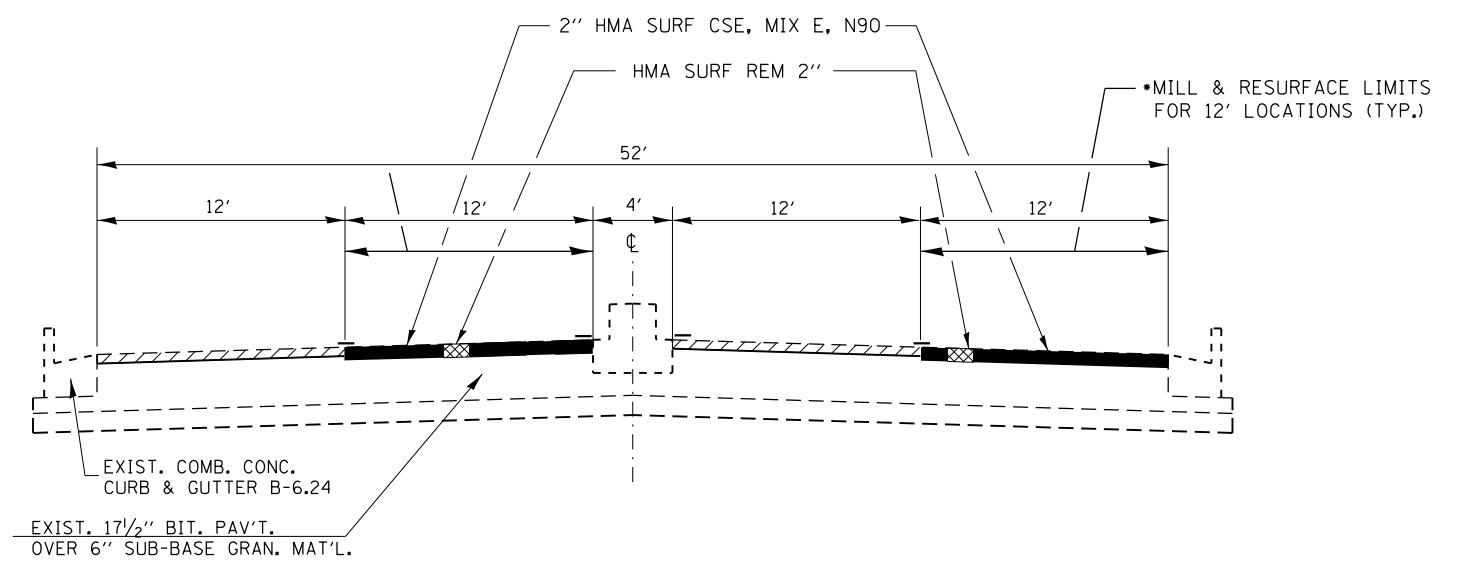
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE RURAL ROADWAY	100% STATE URBAN ROADWAY
				0005	0005
				KENDALL	GRUNDY
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	6		6



IL 47 TYPICAL SECTION

• SEE SCHEDULE FOR LOCATIONS

NOTE: HMA SURFACE REMOVAL MILLINGS TO BE USED AT LOW SHOULDER LOCATIONS

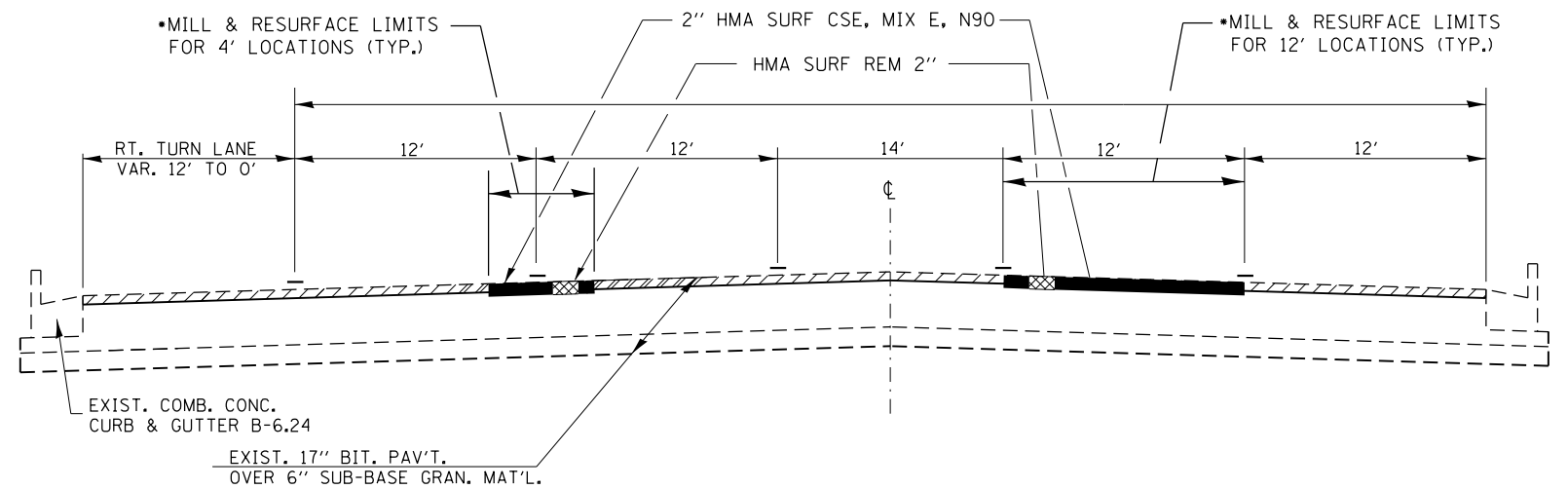


IL 47/US 6 TYPICAL SECTION

• SEE SCHEDULE FOR LOCATIONS

IL 47 YORKVILLE IL 47 MORRIS

	HMA SURFACE	HMA SURFACE
PG GRADE	PG64-22	PG64-22
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N90
MIXTURE COMPOSITION	IL 9.5	IL 9.5
FRICTION AGGREGATE	MIXTURE D	MIXTURE E
DENSITY TEST METHOD	CORES	CORES



IL 47/US 6 TYPICAL SECTION

• SEE SCHEDULE FOR LOCATIONS

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	PLOT DATE = 4/11/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

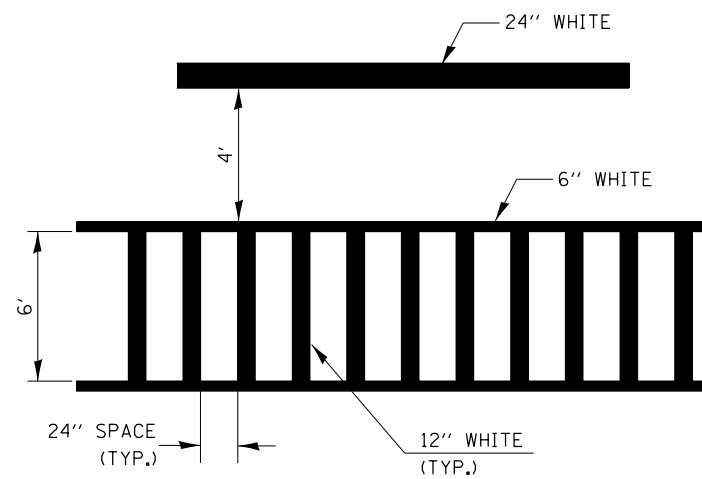
•INTERMITTENT SPRING ROAD REPAIR 2014-5				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	•	KEN-GRU	8	6
CONTRACT NO. 66D90				
ILLINOIS FED. AID PROJECT				

IL 47 SOUTH OF YORKVILLE REPAIR SCHEDULE													
LOCATION LOG MILES	LENGTH	MAINLINE		*HMA SURF 2"	MIX FOR CRKS, JTS FLANGE	LEVEL BIND HM N70	HMA SURF CSE MIX D N70	BIT MAT PRIME COAT	RAISE REFL PAVT MARK REM	PAINT PAVT MARK		SHORT TERM PAVT MARK	WORK ZONE PAVT MARK REM
		WIDTH	AREA							LINE 4"	LINE 6"		
		FT	SQ YD							2 APPLICATIONS			
NORTHBOUND													
0.00 CATON FARM ROAD													
0.00 - 0.10	500	4	222.2	222.2	0.07	0.11	24.89	100.0			1000		
0.20 - 0.40	1350	11	1650.0	1650.0	0.50	0.83	184.80	742.5	17		5400	700	135 45
0.60 - 0.70	500	11	611.1	611.1	0.18	0.31	68.44	275.0	6		2000	260	50 17
2.50	500	4	222.2	222.2	0.07	0.11	24.89	100.0			1000		
2.80 - 3.00	1350	11	1650.0	1650.0	0.50	0.83	184.80	742.5	17		5400	700	135 45
SOUTHBOUND													
0.00 CATON FARM ROAD													
0.00 - 0.10	500	4	222.2	222.2	0.07	0.11	24.89	100.0			1000		
1.20 - 1.40	1000	11	1222.2	1222.2	0.37	0.61	136.89	550.0	13		4000	500	100 33
2.10 - 2.20	500	11	611.1	611.1	0.18	0.31	68.44	275.0	6		2000	250	50 17
2.80 - 3.00	1000	11	1222.2	1222.2	0.37	0.61	136.89	550.0	13		4000	500	100 33
3.30 - 3.40	500	11	611.1	611.1	0.18	0.31	68.44	275.0	6		2000	250	50 17
TOTAL			8244.4	8244	2	4	923	3710	78		27800	3160	620 206

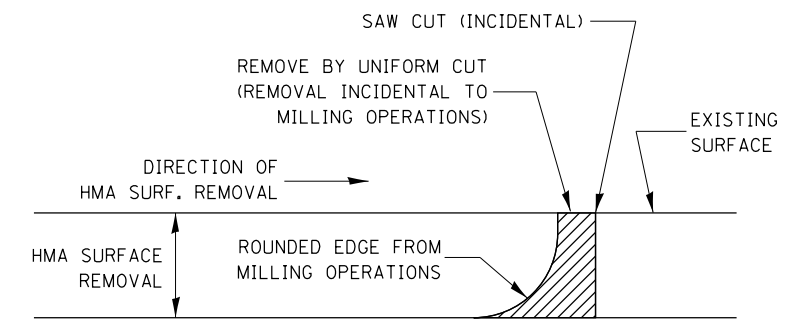
•THIS LOCATION TO USE HMA SURFACE REMOVAL MILLINGS ON LOW SHOULDERS

IL 47 MORRIS REPAIR SCHEDULE																
LOCATION	LENGTH	MAINLINE		HMA SURF 2"	MIX FOR CRKS, JTS FLANGE	LEVEL BIND HM N70	HMA SURF CSE MIX E N90	BIT MAT PRIME COAT	RAISE REFL PAVT MARK REM	MODIFIED URETHANE					SHORT TERM PAVT MARK	WORK ZONE PAVT MARK REM
		WIDTH	AREA							LINE 4"	LINE 6"	LINE 8"	LINE 12"	LINE 24"		
		FT	SQ YD							FOOT	FOOT	FOOT	FOOT	FOOT		
NORTHBOUND																
FROM SN 032-0086 TO 500' NORTH																
DRIVING LANE	500	12	666.7	666.7	0.20	0.33	74.67	300.0	6							
PASSING LANE	500	12	666.7	666.7	0.20	0.33	74.67	300.0	6	500	130			50	16.7	
FROM WAVERLY ST TO CONC S. OF US 6(E)																
DRIVING LANE	3700	12	4933.3	4933.3	1.48	2.47	552.53	2220.0	46		930		126	36	370 123.2	
SOUTHBOUND																
FROM SN 032-0086 TO 500' NORTH																
DRIVING LANE	500	12	666.7	666.7	0.20	0.33	74.67	300.0	6		130			50	16.7	
FROM WAVERLY ST TO CONC S. OF US 6(E)																
DRIVING LANE	3700	12	4933.3	4933.3	1.48	2.47	552.53	2220.0	46		930	523	126	24	370 123.2	
BEDFORD ST TO MAPLE ST CENTERLINE	600	4	266.7	266.7	0.08	0.13	29.87	120.0	8		100			60	20.0	
20 TRANSVERSE PATCHES 6' X 12' X 2"DEEP	6	12	160.0	160.0	0.05	0.08	17.92	3.6								
TOTAL			12293.3	12293	4	6	1377	5464	119	500	2220	523	252	60	900 300	

IL 47 MORRIS CURB & SIDEWALK SCHEDULE					
DESCRIPTION	COMB. CURB & GUTTER REM	CC&G TYPE B-6.24	SIDEWALK REM	PCC SIDEWALK 4"	DETECTABLE WARNING
	FOOT	FOOT	SQ FT	SQ FT	SQ FT
BEDFORD ST					
SOUTHEAST QUAD	9	9	65	65	12
GEORGE ST					
SOUTHEAST QUAD	9	9	65	65	12
SOUTHWEST QUAD	28	28	126	126	12
NORTHWEST QUAD	21	21	85	85	12
NORTHEAST QUAD	9	9	65	65	12
TOTAL	76	76	406	406	60

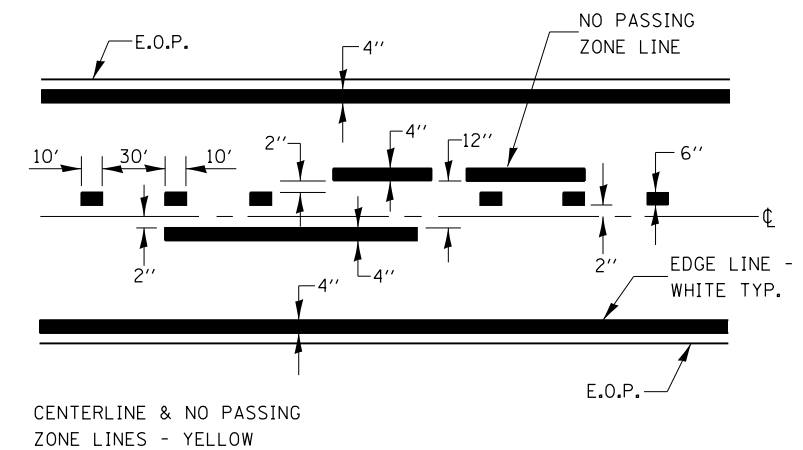


**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**



NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
THEN A SAW CUT SHALL BE USED TO MANUFACTURE
A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
THE ENGINEER SHALL BE THE SOLE JUDGE
CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS



CENTERLINE & NO PASSING
ZONE LINES - YELLOW

PAVEMENT MARKING

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/11/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

•INTERMITTENT SPRING ROAD REPAIR 2014-5

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	•	KEN-GRU	8	8
CONTRACT NO. 66D90			ILLINOIS FED. AID PROJECT	