#### INDEX OF SHEETS

- COVER SHEET GENERAL NOTES
- SUMMARY OF QUANTITIES
- TYPICAL SECTIONS
- SCHEDULES

701901-01

780001-02

781001-03

0

0

0

#### **STANDARDS**

TRAFFIC CONTROL DEVICES

TYPICAL PAVEMENT MARKINGS

000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS 001006 DECIMAL OF AN INCH AND OF A FOOT MAILBOX TURNOUT 406201-01 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY 701001-02 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM 701006-03 PAVEMENT EDGE OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY 701011-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS 701301-03 701306-02 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \*\*e" LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY 701311-03

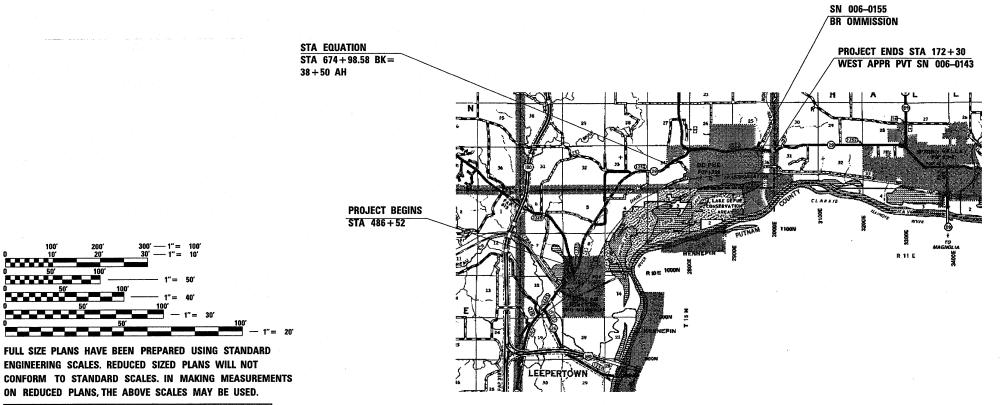
TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS**

# **PROPOSED** HIGHWAY PLANS

**FAS ROUTE 1252 (IL 29) SECTION** (24,R-4)RS-2 PROJECT ACRS-1252(101) TYPE OF IMPROVEMENT 3P RESURFACING **BUREAU COUNTY** 

C-93-055-09



PROJECT ENGINEER JOE KANNEL **SQUAD LEADER PAT BRABOY** TOWNSHIPS-SELBY/LEEPERTOWN

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT

ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION

**CONTRACT NO. 66920** 

1-800-892-0123

OR 811

GROSS LENGTH = 32,228.58 FT. = 6.10 MILE NET LENGTH = 32,074.58 FT. = 6.07 MILE

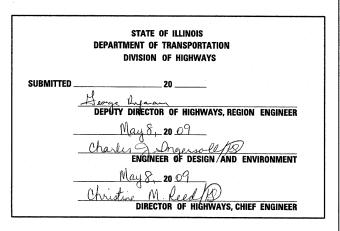
BUREAU 8 1 (24,R-4)RS-2 ILLINOIS CONTRACT NO. 66920

### D-93-032-09



### FUNCTIONAL CLASSIFICATION— **MAJOR COLLECTOR (RURAL)**

2007 ADT = 1300PV = 95% SU = 3% MU = 2%



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GENERAL NOTES
(Revised January 23, 2009)

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 HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

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

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

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.

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
BIT MATERIALS (PRIME COAT)	0.375	GAL / SQ YD
ON AGGREGATE BASES		
BITUMINOUS MATERIALS	0.08	GAL / SQ YD
(PRIME COAT)		
POLYMERIZED BIT MATERIALS	0.1	GAL / SQ YD
(PRIME COAT)		
FOR ADDITIONAL HMA LIFTS	0.08	GAL / SQ YD
"FOG COAT"		
AGGREGATE PRIME COAT	0.002	TONS / SQ 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

NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

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

PREPARED BY:

DISTRICT THREE

DISTRICT STUDIES & PLANS ENGINEER

DATE:

EXAMINED BY:

DISTRICT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = braboypo	DESIGNED	REVISED
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<b>DEPARTMENT</b>	OF '	TRANSPORTATION

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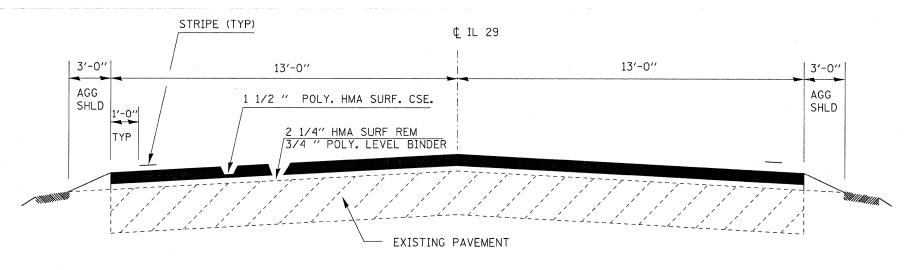
CENEDAL NOTES	F.A.Ş RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
<u>GENERAL NOTES</u>	1252	(24,R-4)RS-2	BUREAU	8	2
			CONTRACT	NO. 9	6920
SHEET NO OF SHEETS   STA TO STA		ILLINOIS FED. AI	D PROJECT		

	SUMMARY OF	QUANTITIE	S	80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ROADWAY IOOO
20200100	EARTH EXCAVATION	CU YD	10	10
20400800	FURNISHED EXCAVATION	CU YD	36	36
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	18620	18620
40600300	AGGREGATE (PRIME COAT)	TON	202	202
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	28	28
40600725	POLYMERIZED LEVELING BINDER (HAND METHOD), N50	TON	46	46
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	4008	4008
40600895	CONSTRUCTING TEST STRIP	EACH	2	2
40600990	TEMPORARY RAMP	SQ YD	152	152
40603510	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	8016	8016
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1106	1106
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	101180	101180
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1918	1918
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	12890	12890
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	99350	99350
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	8056	8056
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1030	1030
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	99350	99350
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	8056	8056
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	563	563
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	563	563
Z0055300	RUMBLE STRIP	EACH	1	1

\* SPECIALTY ITEMS

	POLYMERIZED	POLYMERIZED
	НМА	HMA
	LEVEL	SURFACE
	BINDER	
PG GRADE	SBS PG 70-22	SBS PG 70-22
MAX % RAP		
ALLOWABLE**	10%	10%
DESIGN AIR		·
VOIDS	4% @ N50	4% @ N50
MIXTURE		IL 12.5 OR
COMPOSISION	IL 9.5	IL 9.5
FRICTION		
AGGREGATE		MIXTURE C
DENSITY CONTROL	SATISFACTION OF	
LIMITS	THE ENGINEER	CORRELATION

<sup>••</sup> IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.



# PROPOSED ROADWAY TYP. SECTION

FROM STA 486+52 TO STA 172+30 STA EQUATION 674+98.58 BK = 38+50 AH

	FILE NAME =	USER NAME = broboypc	DESIGNED	-	 REVISED	-	
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STATE	OF	ILLINOIS
DEPARTMENT	OF T	<b>TRANSPORTATION</b>

TYPICAL SECTIONS	TVDICAL	Protione	F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	1
CONT. CUESTO OF CUESTO CTA	ITPICAL	DECTIONS	1252	(24,R-4)RS-2	BUREAU	8	4	1
					CONTRAC	T NO. 6	6920	1
SCALE: SHEET NO UF SHEETS   STA TO STA   ILLINOIS FED. AID PROJECT	SCALE: SHEET NO OF SH	ETS STA TO STA		ILLINOIS FED. A	ID PROJECT			1

					MAINL	INE SCHE	DULE					
			POLY	POLY	POLY	НМА	MIX	POLY		AGG	RUMBLE	TEMP
			НМА	LEV	LEV	SURF	CRKS,	BIT	AGG	(PR	STRIP	RAMP
STA. T	TO STA.		SURF	BIND	BIND	REM	JTS.,	MAT'L	SHLD	CT)		
			CSE	(MM)	(HM)	2 1/4"	& FLGWYS	PR	TYPE B			
		LENGTH						СТ				
		FT	TONS	TONS	TONS	SQ YD	TONS	GAL	TONS	TONS	EACH	SQ YD
486+52.	674+98.58	18846.58	4573.4	2286.7	27.2	54445.7	16.3	9800.2	1073.2	108.9		10.0
38+50.	147+72.	10922.00	2650.4	1325.2	15.8	31552.4	9.5	5679.4	621.9	63.1		10.0
147+72.	149+26.	BRIDGE OMISSION	N SN 006-0155									
149+26.	172+30.	2304.00	559.1	279.6	3.3	6656.0	2.0	1198.1	131.2	13.3		20.0
490+50											1.0	
TO	TALS		8016	4008	46	92654	28	17512	1918	185	1	40

	1	1		НМА	INCIDENTAL		AGG	TEMP.	FURN.
	S		חב			517		1	
	▶		RT/LT	SURF REM	HMA	BIT	PR CT	RAMP	EX*
NAME	1 1				SURF	MATLS	,		
	STATION		<u> </u>	2 1/4"		PR CT			
		TYPE		SQ YD	TON	GAL	TON	SQ YD	CU YD
JREAU STREET	495+00	SIDEROAD	RT	350	44.1	45 <b>.</b> 5	0.7	8.0	2.0
SALAO OTALLI	498+58	CE	RT	75	9.5	9.8	0.2	0.0	2.0
	502+52	CE	RT	75	9.5	9.8	0.2		
	504+84	CE	RT	75	9.5	9.8	0.2		
	505+41	CE	RT	75	9.5	9.8	0.2		
	506+05	CE	RT	75	9.5	9.8	0.2		
	506+93	CE	RT	75	9.5	9.8	0.2		
	512+01	PE	LT	85	10.7	11.1	0.2		
	513+18	PE	LT	85	10.7	11.1	0.2		
25 N ROAD	546+20	SIDEROAD	LT	162	20.4	21.1	0.3	8.0	2.0
	546+20	PE W/MB	RT RT	250	31.5	32.5	0.5		2.0
	548+73	PE	LT	85	10.7	11.1	0.2		
65 N ROAD	571+00	SIDEROAD	RT	210	26.5	27.3	0.4	8.0	2.0
85 N ROAD	579+80	SIDEROAD	LT&RT	477	60.1	62.0	1.0	8.0	4.0
85 N ROAD	623+00	SIDEROAD	LT	223	28.1	29.0	0.4	8.0	2.0
	630+20	PE W/MB	LT	85	10.7	11.1	0.2	0.0	2.0
	638+76	CE	LT	75	9.5	9.8	0.2		
	641+79	PE W/MB	LT	85	10.7	11.1	0.2		
245 N ROAD	644+40	SIDEROAD	RT RT	197	24.8	25.6	0.4	8.0	2.0
	658+27	PE W/MB	RT	85	10.7	11.1	0.2	0.0	2.0
	668+68	CE	RT	75	9.5	9.8	0.2		
	673+28	PE W/MB	RT	85	10.7	11.1	0.2		
AKBROOK DRIVE	673+50	SIDEROAD	LT	270	34.0	35.1	0.5	8.0	2.0
TA EQ 674+98.58BK = 38+50 AH						3011	0.3	0.0	2.0
AKBROOK ROAD	39+50	SIDEROAD	RT	31	3.9	4.0	0.1	8.0	2.0
EPUE ROAD	65+00	SIDEROAD	LT	481	60.6	62.5	1.0	8.0	2.0
	69+87	PE	RT	85	10.7	11.1	0.2	<b>V.</b> V	
	69+93	CE	LT	75	9.5	9.8	0.2		
AST STREET	72+75	SIDEROAD	LT & RT	3474	437.7	451.6	6.9	8.0	4.0
00 N, 2850 E ROAD	95+00	SIDEROAD	LT	126	15.9	16.4	0.3	8.0	2.0
-	126+87	CE	LT	75	9.5	9.8	0.2		
NCOLN AVENUE	147+80	SIDEROAD	RT	400	50.4	52.0	0.8	8.0	2.0
	157+12	PE	LT	85	10.7	11.1	0.2		
60 N AVENUE (WEST)	160+60	SIDEROAD	RT	100	12.6	13.0	0.2	8.0	2.0
	160+60	CE	LT	75	9.5	9.8	0.2		
	166+20	PE	LT	85	10.7	11.1	0.2		
PRING LAKE ROAD	168+48	SIDEROAD	RT	100	12.6	13.0	0.2	8.0	2.0
	-								
TOTALS				8526.0	1106.5	1108.4	17.1	112.0	32.0

\*PLACE FURNISHED EX AROUND SIDERAOD RADII. THIS AREA TO BE SEEDED, FERILIZED AND MULCHED- NOT PAID FOR SEPERATELY BUT INCLUDED IN THE COST OF FURNISHED EXCAVATION

FILE NAME =	USER NAME = braboypo	DESIGNED	REVISED			F.A.S SECTION	ON COUNTY TOTAL SHEET
c:\pw_work\PWIDOT\BRABOYPC\dØ134845\D36	6920-sht-cover.dgn	DRAWN	REVISED	STATE OF ILLINOIS	SCHEDULES OF QUANTITIES	1252 (24,R-4)R:	SHEETS NO.
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	PLOT DATE = Apr 05, 2009 - 04:09:40 PM	DATE	REVISED		SCALE: SHEET NO OF SHEETS STA TO STA	ILI	LINOIS FED. AID PROJECT

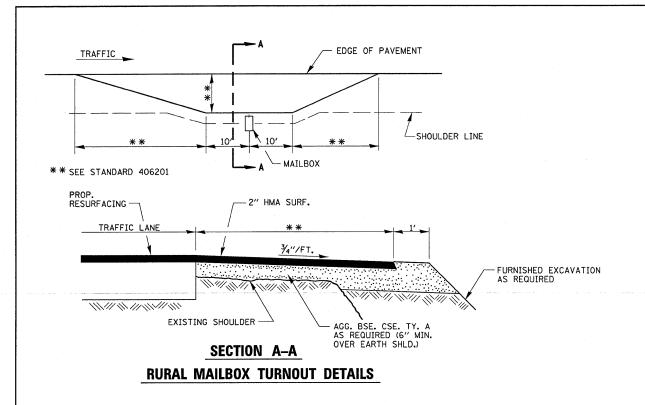
	-			PAVEMENT	MARKING SCHEDULE					
	PAIN	T PAVEMENT MAR	RKING	SHORT TERM	WORK ZONE PAV'T	TEMPORA	RY PAVEMENT	MARKING	RAISED REFL	RAISED REFL
STA. TO STA.	4" WHT	4" YELL	6" YELL	PAV'T MARK	MARK REM.	4" WHT	4" YELL	6" YELL	PAVT MARK REM	PAVT MARK
	FT	FT	FT	FT	SQ FT	FT	FT	FT	EA	EA
STA 486+52 TO 674+98.58	37692		4711	7538	628	37692		4711	236	236
STA 38+50 TO 172+30	26760		3345	5352	446	26760		3345	167	167
NO PASSING ZONES										
STA 486+52 TO 497+58 RT		1106					1106			
STA 486+52 TO 506+56 LT		2004					2004			
STA 506+56 TO 529+27 RT		2271					2271			
STA 514+48 TO 538+24 LT		2376					2376			
STA 608+99 TO 631+70 RT		2271					2271			
STA 617+97 TO 648+07 LT		3010			•		3010			
STA 653+34 TO 115+06 RT		9821					9821			
STA EQ 674+98.58 BK = 38+50 AH										
STA 662+32 TO 80+75 LT		5492					5492			
STA 92+14 TO 125+94 LT		3380					3380			
STA 124+32 TO STA 142+80 RT		1848					1848			
STA 134+38 TO 144+47 LT		1009					1009			
STA 169=20 TO 172+30 RT		310					310			
			*							
SUBTOTALS	64452	34898	8056	12890	1073	64452	34898	8056	403	403
TOTALS	99	350	8056	12890	1073	993	350	8056	403	403

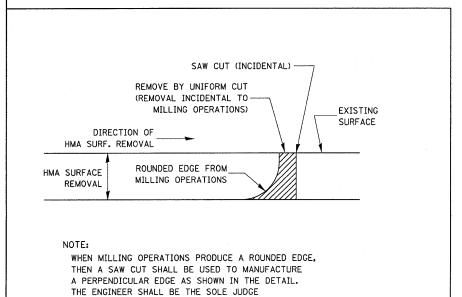
NOTE: THE NO PASSING ZONES SHOULD BE FIELD VERIFIED PRIOR TO RESURFACING

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DEPARTMENT	0F	TRANSPORTATION

						F.A.S RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
	2CHEDOLES	UF U	JANIIIES	,		1252	(24,R-4)RS-2	BUREAU	8	6
	Tours No.							CONTRACT	NO. 9	6920
CALE:	SHEET NO OF	SHEETS	STA	_ TO STA.		ILLINOIS FED. AID PROJECT				





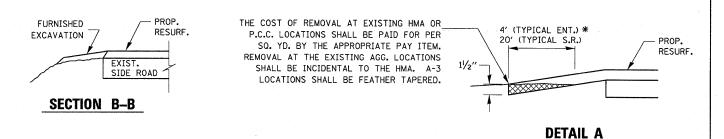
### HMA DETAIL AT BUTT JOINTS

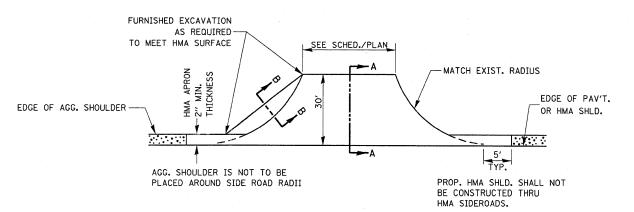
CONCERNING THE USE OF THIS DETAIL

FILE NAME =

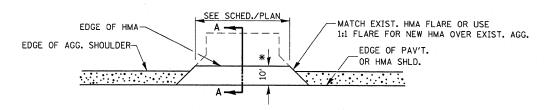
### MIN. 30' RURAL MIN. 20' URBAN -EDGE OF PROPOSED PAVEMENT-OR HMA SHLD. DETAIL A HMA SURFACE - SEE DETAIL A SIDE ROADS PRIVATE & COMMERCIAL ENTRANCES

### SECTION A-A **DETAILS AT ENTRANCES & SIDE ROADS**





### PLAN AT SIDE ROADS

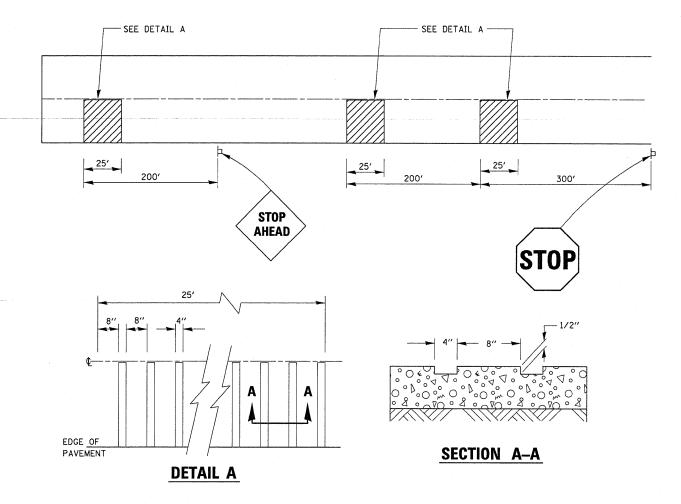


### PLAN AT PRIVATE & COMMERCIAL ENTRANCES

(DO NOT RESURFACE FIELD ENTRANCES)

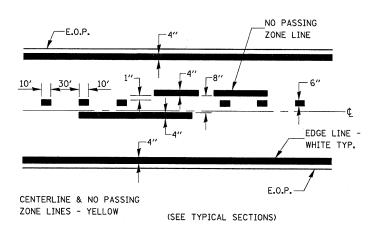
\* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.

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	PLOT SCALE = 50.00000 '/ IN.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION	Communication of States		TRACT NO. 66920
	PLOT DATE = Apr 05, 2009 - 04:10:03 PM	DATE	REVISED		SCALE: SHEET NO OF SHEETS STA TO STA	FED. ROAD DIST. NO ILLINOIS FED. AID PROJECT	



TYPICAL GROOVED RUMBLE STRIP

APPLICATION IN ADVANCE OF AN INTERSECTION



PAVEMENT MARKING

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	PLOT DATE = Apr 05, 2009 - 04:10:19 PM	DATE -	 REVISED		SCALE:	SHEET NO

DETAILS							F.A.Ş RTE. SECTION		COUNTY TOTAL SHEETS		SHEET NO.
DETAILS						1252	(24,R-4)RS-2	BUREAU	8	8	
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			THE TANOTE SEED AT	CONTRACT	NO.	66920
	ILLINOIS FED. AID PROJECT										