

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1252	(24,R-4)RS-2	BUREAU	8	1
		ILLINOIS	CONTRACT NO. 66920	

**D-93-032-09**

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

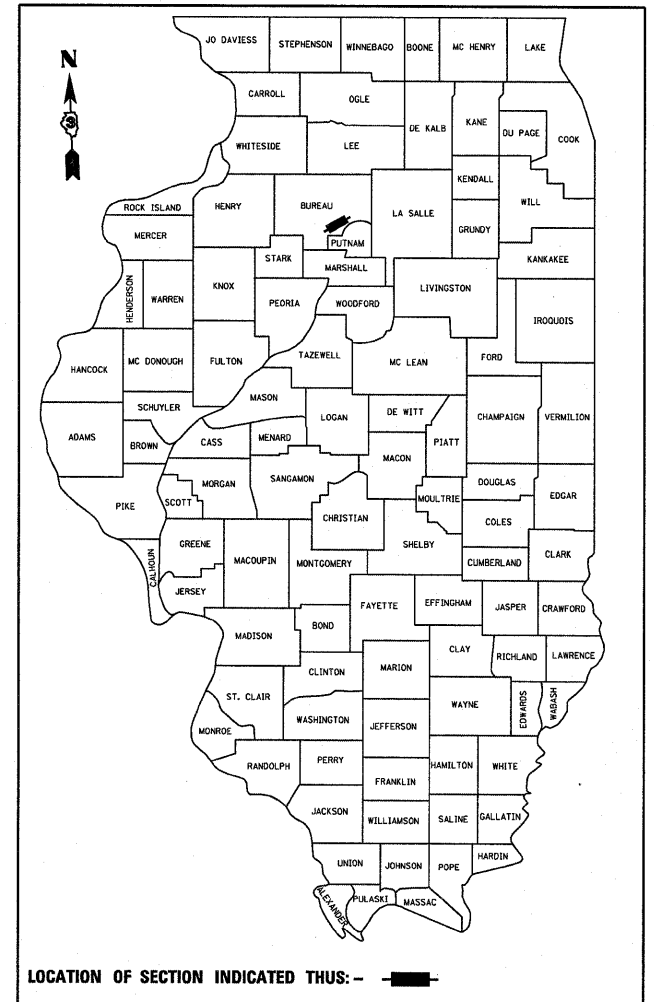
**C-93-055-09**

**INDEX OF SHEETS**

1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
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**STANDARDS**

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-03	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-02	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS **e**
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS



**FUNCTIONAL CLASSIFICATION-  
MAJOR COLLECTOR (RURAL)**

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED \_\_\_\_\_ 20 \_\_\_\_\_

*George Ryan*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*May 8, 20 09*  
*Charles J. Dragsvoll*  
ENGINEER OF DESIGN / AND ENVIRONMENT

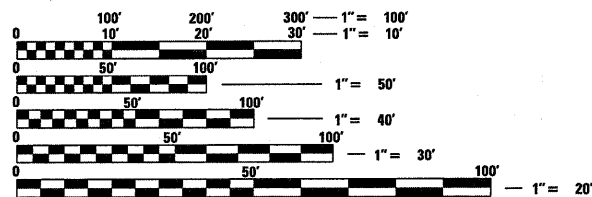
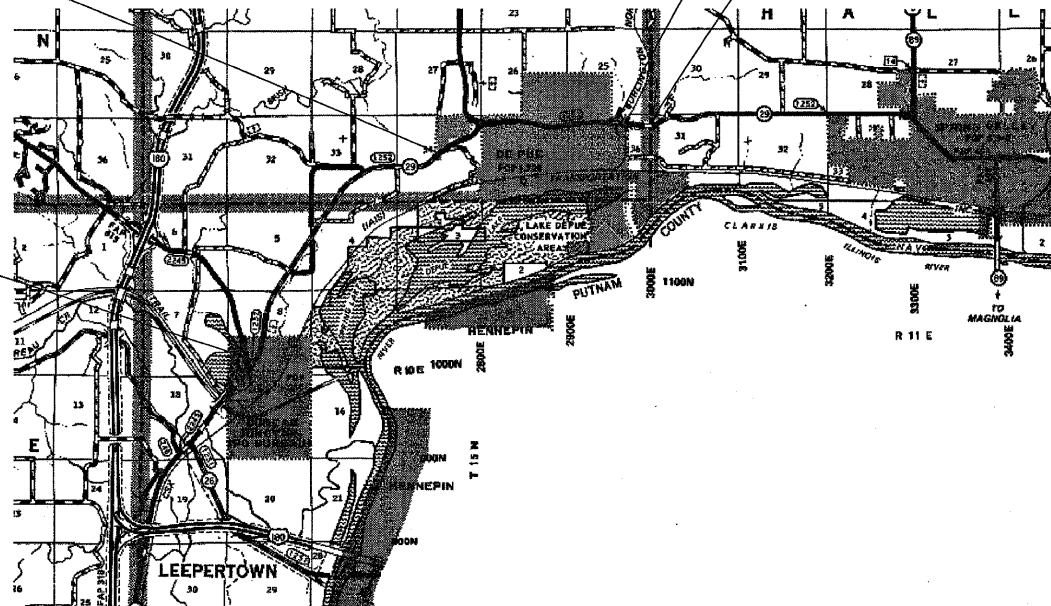
*May 8, 20 09*  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

STA EQUATION  
STA 674+98.58 BK =  
38+50 AH

SN 006-0155  
BR OMISSION

PROJECT ENDS STA 172+30  
WEST APPR PVT SN 006-0143

PROJECT BEGINS  
STA 486+52



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER JOE KANNEL  
SQUAD LEADER PAT BRABOY  
TOWNSHIPS-SELBY/LEPERTOWN  
CONTRACT NO. 66920

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

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OF THE STATE OF ILLINOIS**

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: *Rid Powell*  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 4.6.09

EXAMINED BY: *Hebert Jones (CET)*  
DISTRICT CONSTRUCTION ENGINEER

*Steve P. Phillips*  
DISTRICT MATERIALS ENGINEER

*James A. Anderson*  
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = braboypc	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\PWIDOT\BRABOYPC\d0134845\0386920-sh.t-cover.dgn		DRAWN -	REVISED -			1252	(24.R-4)RS-2	BUREAU	8	2	
		CHECKED -	REVISED -			CONTRACT NO. 6692Q					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
PLOT SCALE = 50.0000 / / IN.		PLOT DATE = Apr 05, 2009 - 03:58:32 PM		SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____							

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ROADWAY 1000
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

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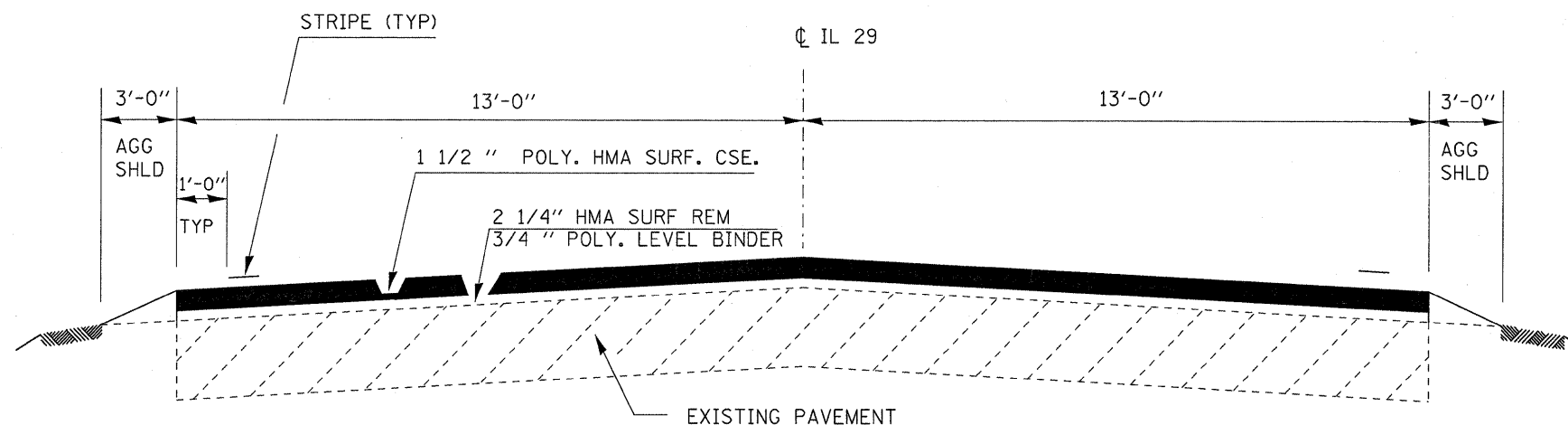
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1252	(24.R-4)RS-2	BUREAU	8	3
CONTRACT NO. 66920				

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

\*\* IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.



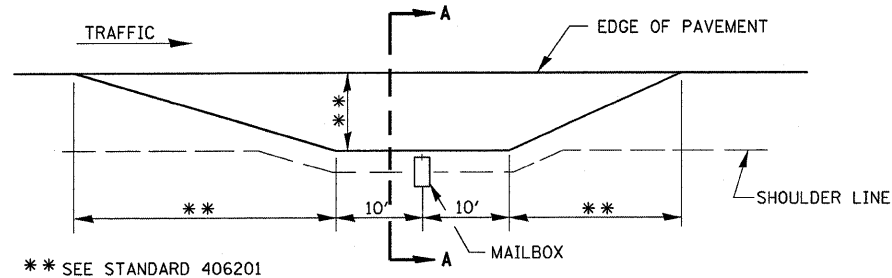
## PROPOSED ROADWAY TYP. SECTION

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

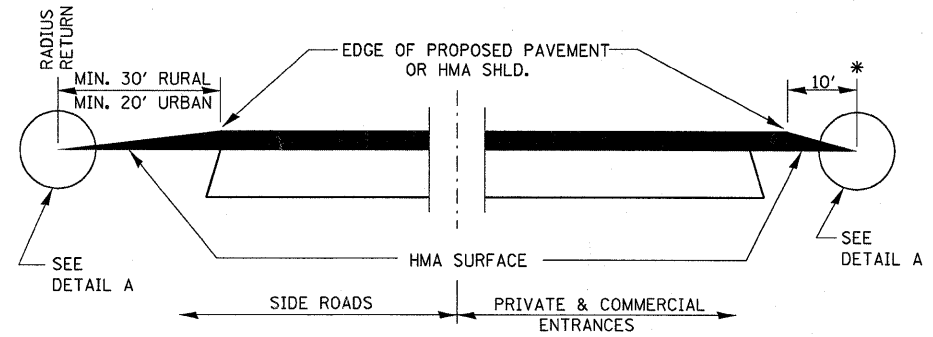
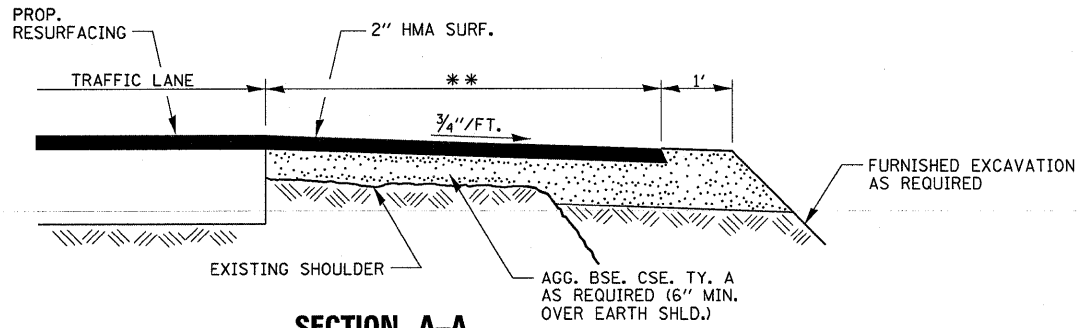
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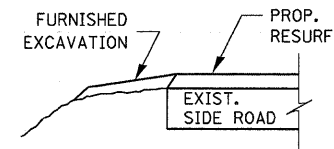




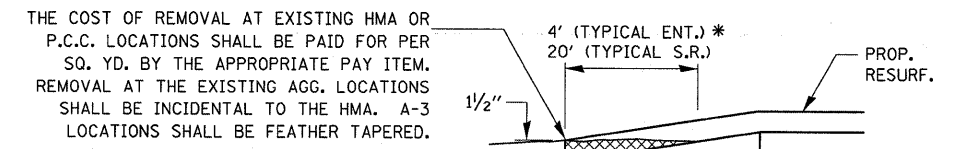
**SECTION A-A**  
**RURAL MAILBOX TURNOUT DETAILS**



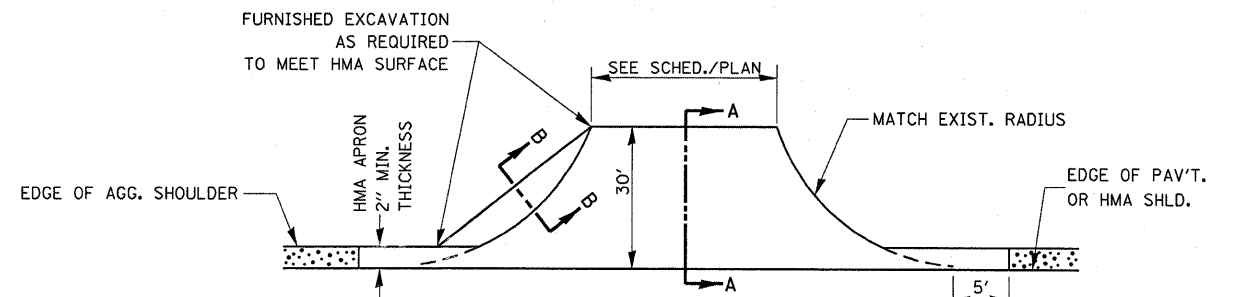
**SECTION A-A**  
**DETAILS AT ENTRANCES & SIDE ROADS**



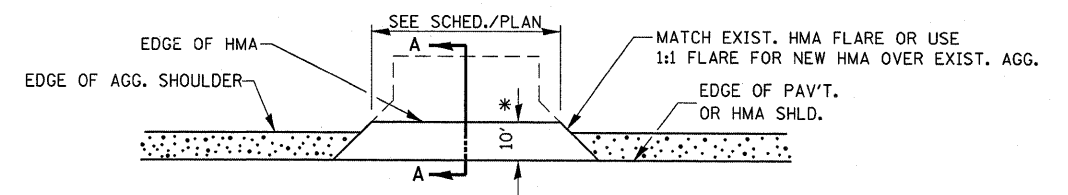
**SECTION B-B**



**DETAIL A**



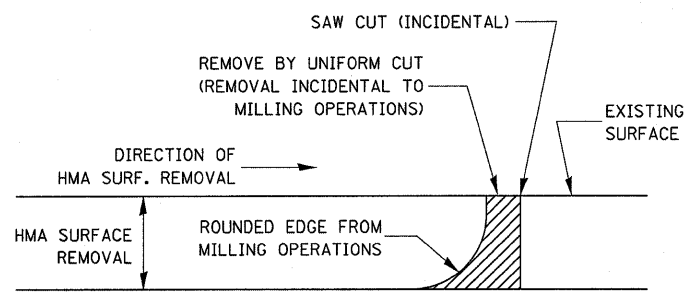
**PLAN AT SIDE ROADS**



**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.



**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**

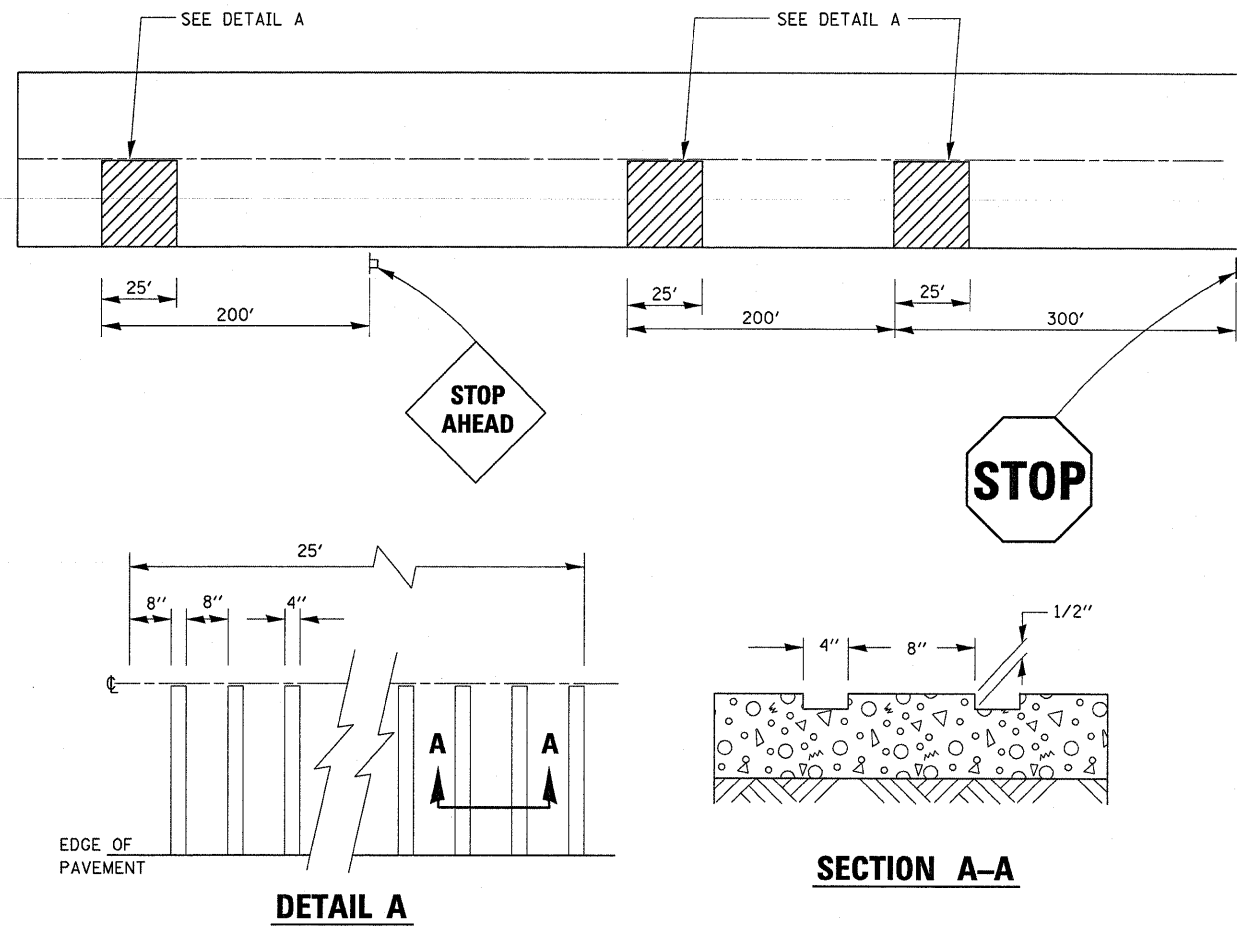
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		DATE -	REVISED -

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

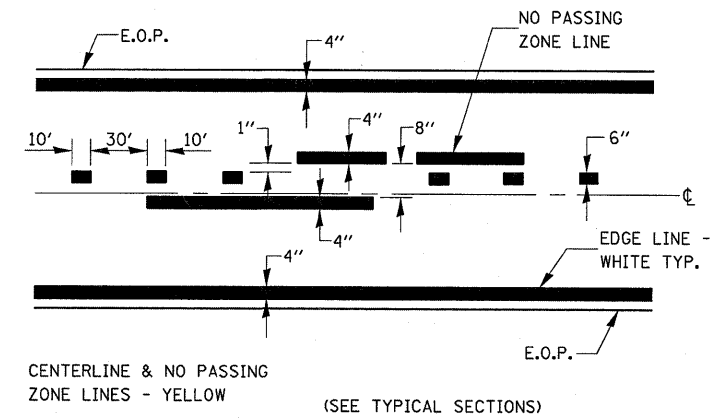
**DETAILS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1252	(24.R-4)RS-2	BUREAU	8	7
CONTRACT NO. 6692Q				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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



**TYPICAL GROOVED RUMBLE STRIP  
APPLICATION IN ADVANCE OF AN INTERSECTION**



**PAVEMENT MARKING**

FILE NAME =	USER NAME = braboypc	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = Apr 05, 2009 - 04:10:19 PM	DATE -	CHECKED -	REVISED -			CONTRACT NO. 6920					
						ILLINOIS FED. AID PROJECT					