

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(138)RS-4	BUREAU	7	J
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	66776	

CONTRACT NO. 66776
D-93-045-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAP ROUTE 587 (IL 92)
SECTION (138)RS-4

BUREAU COUNTY
C - 93 - 072 - 08

PROJECT DESCRIPTION

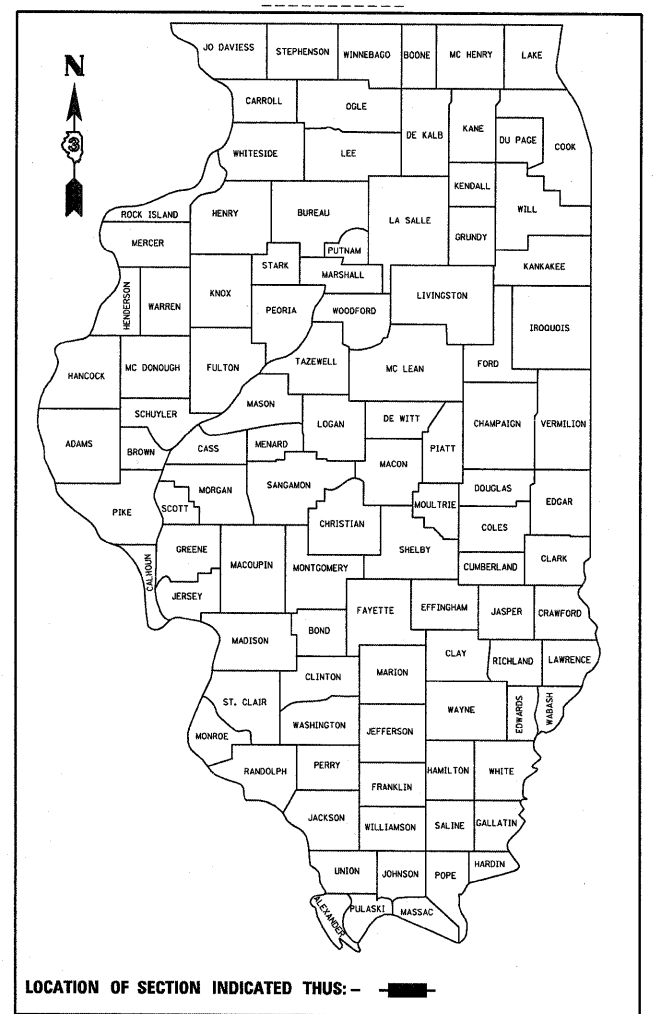
3P RESURFACING IN THE CITY OF WALNUT, IL

INDEX OF SHEETS

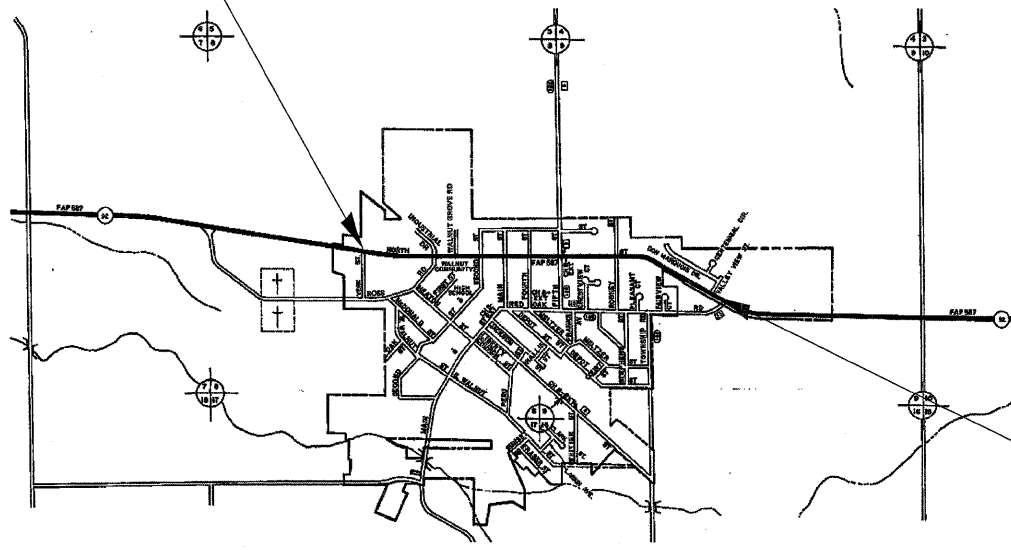
- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 SCHEDULES
- 6-7 DETAILS

HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 424001-05 CURB RAMP FOR SIDEWALK
- 667101-01 PERMANENT SURVEY MARKERS
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 4.5 m (15') AWAY
- 701006-03 OFF-ROAD OPERATIONS 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
- 701501-05 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

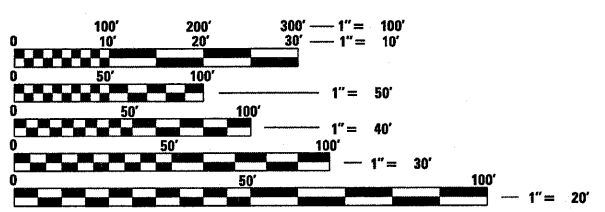


PROJECT BEGINS WEST OF
YERK STREET



PROJECT ENDS EAST OF
VALLEY VIEW DRIVE

MICROFILMED _____
 REEL NUMBER _____
 AWARDED _____
 RESIDENT ENGINEER _____
 AS BUILT CHANGES WERE MADE
 ON THE FOLLOWING SHEETS _____



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
UNIT CHIEF : PAT BRABOY

DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66776

GROSS LENGTH = NET LENGTH = 5,702.4 FT. = 1.08 MI.

FUNCTION CLASSIFICATION

MINOR ARTERIAL

2007 ADT = 1950

P.V. = 87.1% S.U. = 10.5% M.U. = 2.4%

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED _____ 20 _____

George Reason
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 1, 20 09
Charles J. Ingersoll
 ENGINEER OF DESIGN AND ENVIRONMENT

May 1, 20 09
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

PLOT DATE = Apr 05, 2009 - 05:07:47 PM
 FILE NAME = c:\pw\work\p\WIDOT\BRABOYPC\d0117036\d366776-sht-cover.dgn
 PLOT SCALE = 50.0000' / IN.
 USER NAME = braboygc

GENERAL NOTES
(Revised October 5, 2006)

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.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

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.

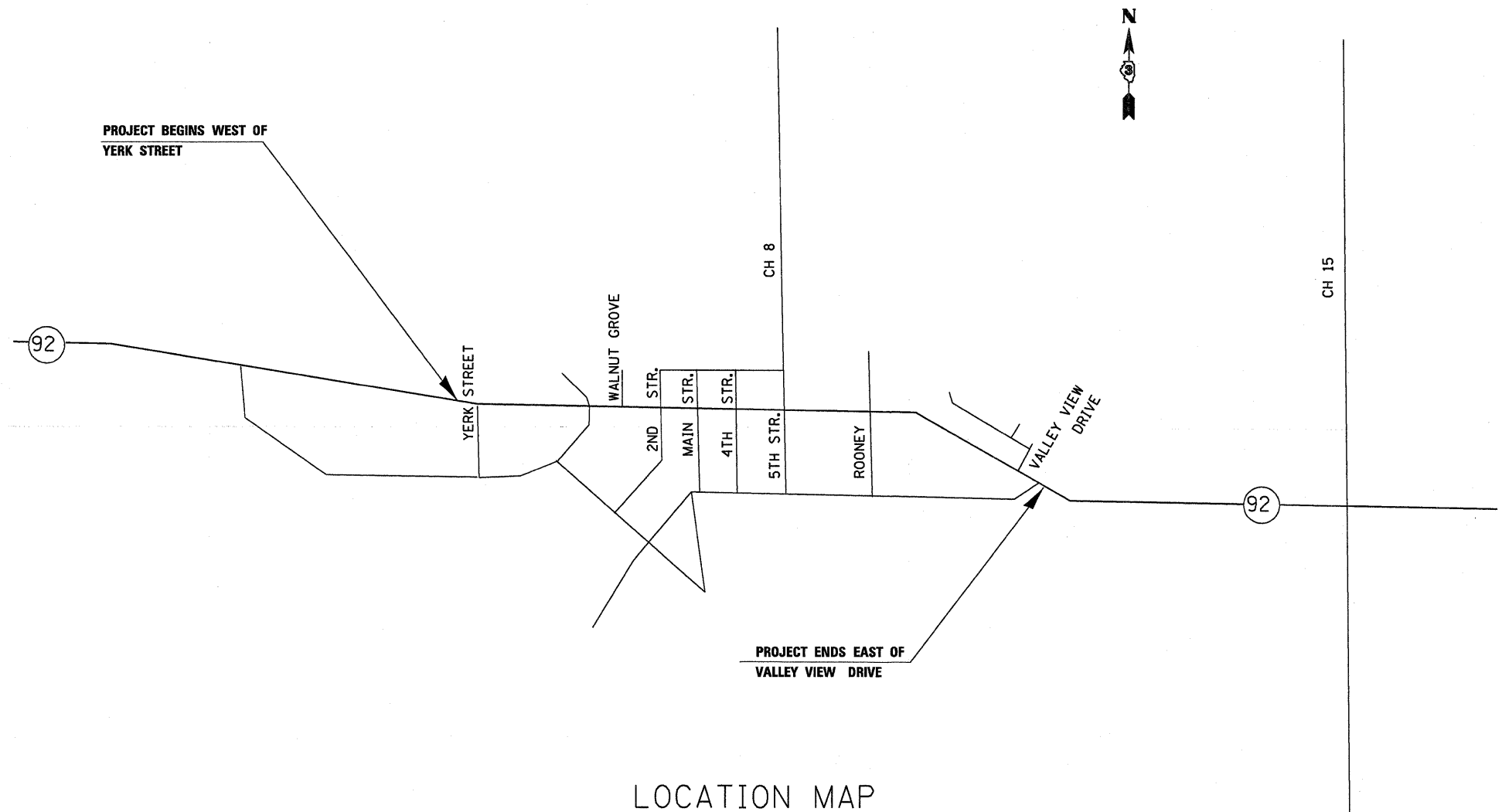
THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.08	GAL / SQ YD
FOR ADDITIONAL HMA LIFTS "FOG COAT"	0.05	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

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPlicing OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

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

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



LOCATION MAP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: [Signature]
DISTRICT STUDIES & PLANS ENGINEER

DATE: 4-6-09

EXAMINED BY: [Signature]
DISTRICT CONSTRUCTION ENGINEER

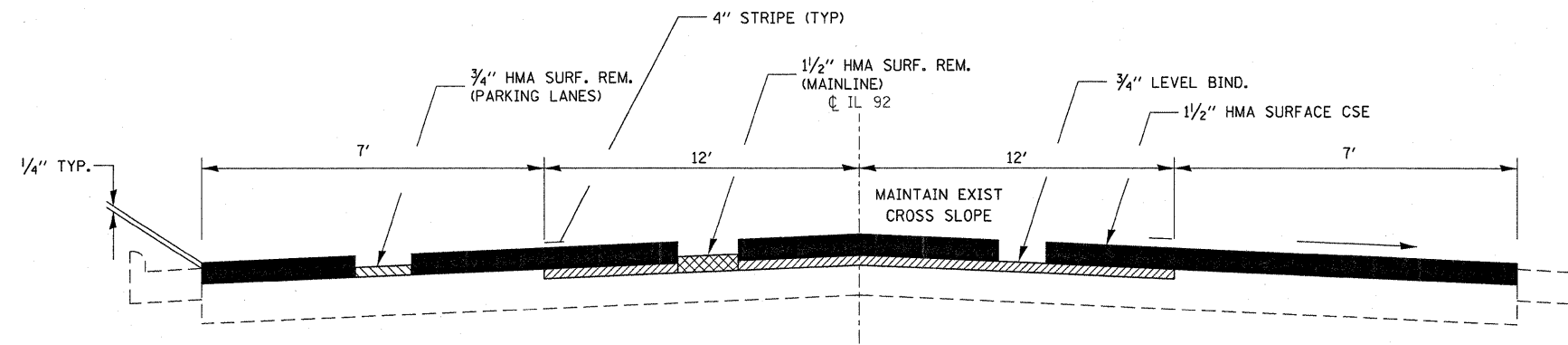
[Signature]
DISTRICT MATERIALS ENGINEER

[Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = brcbajpc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND LOCATION MAP	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pwork\PWIDOT\BRABOYPC\d0117036\d365776-shr-cover.dgn		DRAWN -	REVISED -			587	(138)RS-4	BUREAU	7	2	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. <u>66776</u>					
PLOT DATE = Apr 05, 2009 - 05:07:16 PM		DATE -	REVISED -			FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	CONSTRUCTION CODE TYPE: I000	
		UNIT	100% STATE I000 TOTAL QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,262
40600300	AGGREGATE (PRIME COAT)	TON	36
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5
40600525	LEVELING BINDER (HAND METHOD), N50	TON	8
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	657
40600895	CONSTRUCTING TEST STRIP	EACH	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,280
40600990	TEMPORARY RAMP	SQ YD	152
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	2048
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	108
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	360
42400800	DETECTABLE WARNINGS	SQ FT	240
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	8459
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	15,206
44000600	SIDEWALK REMOVAL	SQ FT	600
48101200	AGGREGATE SHOULDERS, TYPE B	TON	10
56109210	WATER VALVES TO BE ADJUSTED	EACH	12
60255500	MANHOLES TO BE ADJUSTED	EACH	1
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1,711
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	11,405
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,426
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	190
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	11,405
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,426
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	71
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	71

• SPECIALTY ITEMS

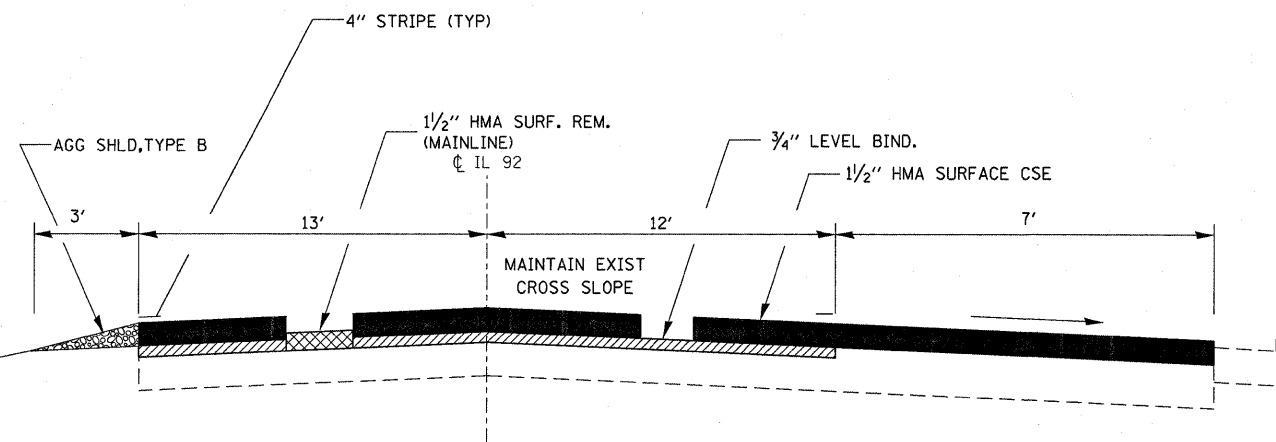


TYPICAL SECTION

MILE MARKER 0.00 TO 0.98
(MILE MARKER 0.00 STARTS 150' WEST OF YERK STREET)

	HMA LEVEL BINDER	HMA SURFACE
PG GRADE	PG 64-22	PG 64-22
MAX % RAP ALLOWABLE**	25%	15%
DESIGN AIR VOIDS	4% @ N50	4% @ N50
MIXTURE COMPOSITION	IL 9.5	IL 12.5 OR IL 9.5
FRICTION 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.



TYPICAL SECTION

MILE MARKER 0.98 TO 1.08
(PROJECT ENDS 200' EAST OF VALLEY VIEW DR)

MAINLINE												
LOCATION	LENGTH	AREA (MAINLINE)	AREA (PARKING LANES)	LEV BINDER (MM) 3/4"	LEV BINDER (HM)	MIX CRACK JTS & FLGWYS	AGG PR CT	TEMP RAMP	BIT MAT'LS PR CT	HMA SURF CSE 1 1/2"	AGG SHLD TYPE B	
LOG MILE	FT	SQ. YD.	SQ. YD.	TON	TON	TON	TON	SQ YD	GAL	TON	TON	
0 TO 0.98	5174	13798	8049	579.5	6.9	4.1	30.4	16.0	1976.8	1835.2		
0.98 TO 1.08	528	1408	411	59.1	0.7	0.4	2.8	16.0	183.0	152.8	10.0	
SIDEROAD & ENTRANCES												
TOTALS								2.6	120.0	102.0		
				657.8	7.6	4.6	35.8	152.0	2261.9	2047.6	12.0	

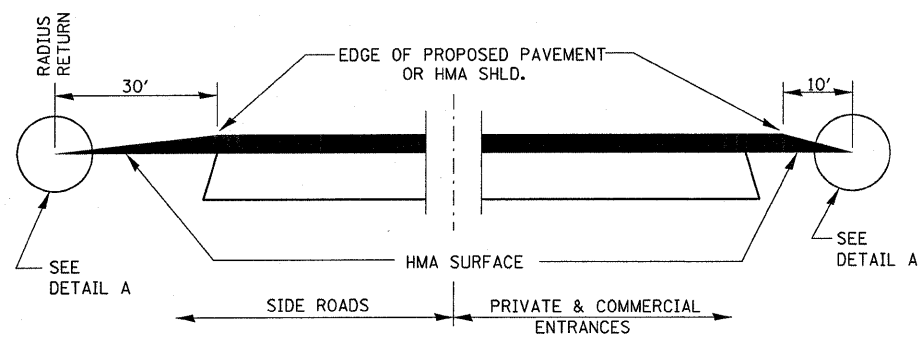
SIDEROAD AND ENTRANCE SCHEDULE							
LOCATION	DESCRIPTION	TOTAL AREA	HMA SURF REMOVAL BUTT JOINT	BIT MAT'L PR CT	TEMP RAMP	AGG PR CT	INCIDENTAL HMA SURFACING
LOG MILE		SQ YD	SQ YD	GALLON	SQ YD	TON	TON
0.02	YERK STREET (RT)	80	80	6.40	8.00	0.16	6.7
0.04	GASOLINE ALLEY	80.0	80.00	6.40	8.00	0.16	6.7
0.19	ROSS STREET (LT & RT)	160.0	160.00	12.80	8.00	0.32	13.4
0.29	WALNUT GROVE (LT)	80.0	80.00	6.40	8.00	0.16	6.7
0.33	2ND STR. (LT & RT)	160.0	160.00	12.80	16.00	0.32	13.4
0.40	S MAIN (LT & RT)	160.0	160.00	12.80	16.00	0.32	13.4
0.47	FOURTH ST (LT & RT)	160.0	160.00	12.80	16.00	0.32	13.4
0.57	CR 6 (LT & RT)	160.0	160.00	12.80	16.00	0.32	13.4
0.72	RODNEY (RT & LT)	160.0	160.00	12.80	16.00	0.32	13.4
1.03	VALLEY VIEW (LT)	80.0	80.00	6.40	8.00	0.16	6.7
TOTAL		1280.0	1280.0	102.4	120.0	2.6	107.5

HMA SURFACE REMOVAL					
LOCATION	LENGTH	AREA (MAINLINE)	AREA (PARKING LANE)	HMA SURF REM 1 1/2"	HMA SURF REM 3/4"
LOG MILE	FT	SQ. YD.	SQ YD	SQ YD	SQ YD
0 TO 0.98	5174	13798	8049	13798.4	8049.1
0.98 TO 1.08	528	1408	411	1408.0	410.7
TOTALS				15206.4	8459.7

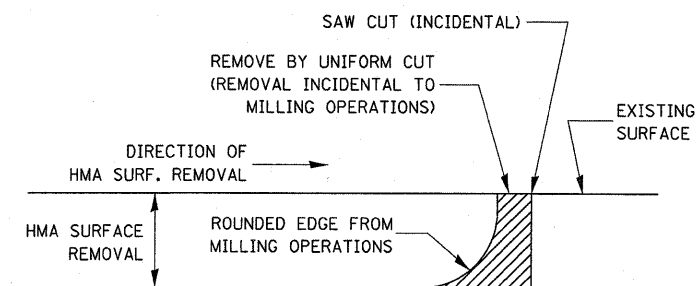
PAVEMENT MARKING SCHEDULE								
LOCATION	THERMO PVT MK 4"	THERMO PVT MK 6"	RAISED REFL PVT MK	RAISED REFL PVT MK REM	SH TERM PVT MK	WK ZN PVT MK REMOV	TEMP PVT MK 4"	TEMP PVT MK 6"
LOG MILE	WHITE	YELLOW	EACH	EACH	FT	SQ FT	FT	FT
0.00 TO 1.08	11,405	1,426	71	71	1,711	190	11,405	1,426
TOTAL	11,405	1,426	71	71	1,711	190	11,405	1,426

SIDEWALK				
STREET	NUMBER OF RAMPS	DETECTABLE WARNINGS	SIDEWALK REMOVAL	PCC SIDEWALK 4"
		SQ FT	SQ FT	SQ FT
WALNUT GROVE				
NE QUAD	1	8	20	12
NW QUAD	1	8	20	12
2ND STREET				
NE QUAD	1	8	20	12
NW QUAD	1	8	20	12
SE QUAD	1	8	20	12
MAIN STREET				
NE QUAD	2	16	40	24
NW QUAD	2	16	40	24
SE QUAD	2	16	40	24
SW QUAD	2	16	40	24
4TH STREET				
NE QUAD	2	16	40	24
NW QUAD	2	16	40	24
SE QUAD	2	16	40	24
SW QUAD	2	16	40	24
5TH STREET				
NE QUAD	1	8	20	12
NW QUAD	0	NO WORK		
SE QUAD	1	8	20	12
SW QUAD	1	8	20	12
RODNEY STREET				
NE QUAD	1	8	20	12
NW QUAD	1	8	20	12
SE QUAD	2	16	40	24
SW QUAD	2	16	40	24
TOTAL		240	600	360

MANHOLE AND WATER VALVE ADJUSTMENTS		
LOCATION	MANHOLES TO BE ADJUSTED	WATER VALVES TO BE ADJUSTED
LOG MILE	EACH	EACH
0.00 TO 1.08 Throughout project)	1	12
TOTAL	1	12

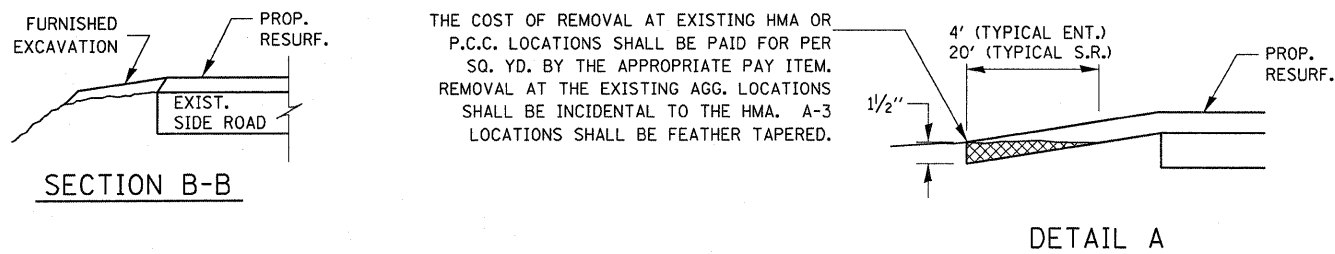


SECTION A-A
DETAILS AT ENTRANCES & SIDE ROADS



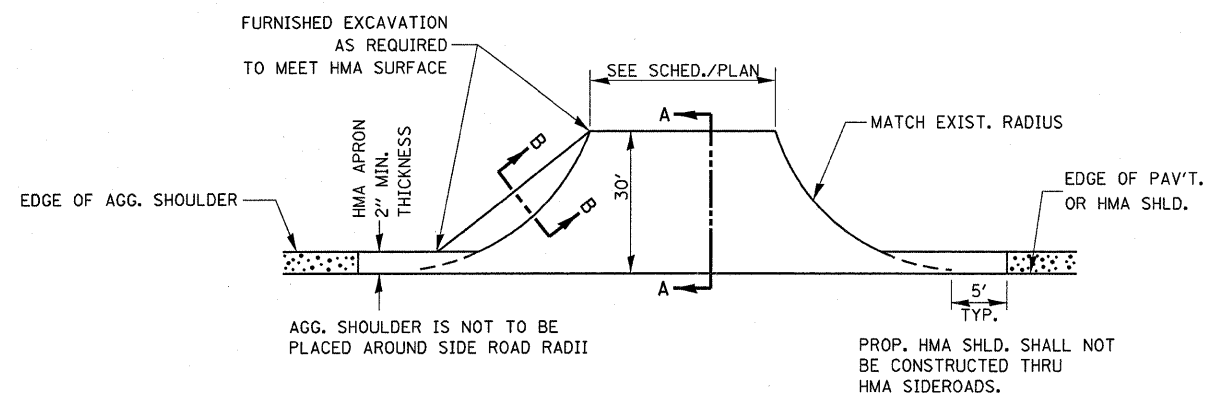
NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

HMA DETAIL AT BUTT JOINTS

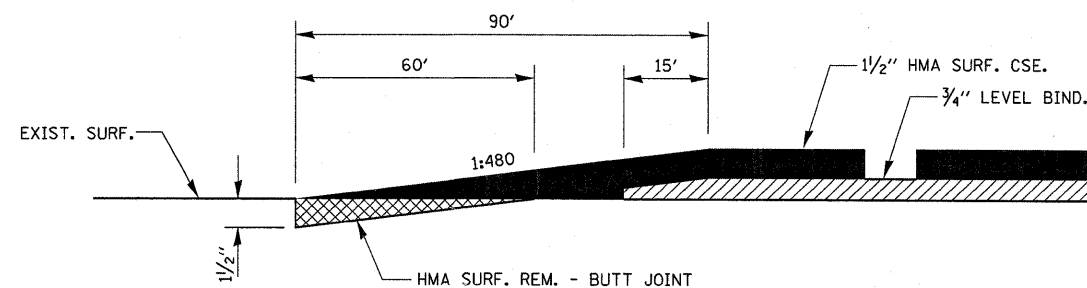


SECTION B-B

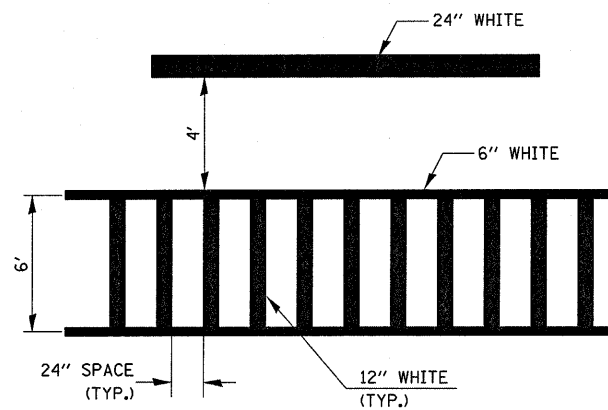
DETAIL A



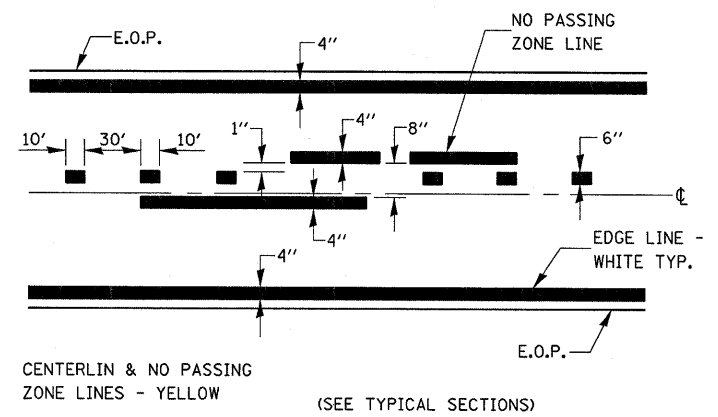
PLAN AT SIDE ROADS



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		CHECKED -	REVISED -					CONTRACT NO. 66716				
		DATE -	REVISED -		FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT							
	PLOT DATE = Apr 05, 2009 - 05:09:04 PM											



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



PAVEMENT MARKING

FILE NAME =	USER NAME = braboygo	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLT DATE = Apr 05, 2009 - 05:09:14 PM	CHECKED - ---	REVISED - ---					CONTRACT NO. 66776				
		DATE - _____	REVISED - ---					FED. ROAD DIST. NO. _____ (ILLINOIS) FED. AID PROJECT				