

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5637	23RS-4	BUREAU	6	-1-
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 66807		

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES & LOCATION MAP
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 SCHEDULE OF QUANTITIES
- 6 DETAILS

HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 442201-03 CLASS C AND D PATCHES
- 701001-01 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 4.5 m (15') AWAY
- 701006-02 OFF-ROAD OPERATIONS 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
- 701011-01 OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
- 701501-04 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701901 TRAFFIC CONTROL DEVICES
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

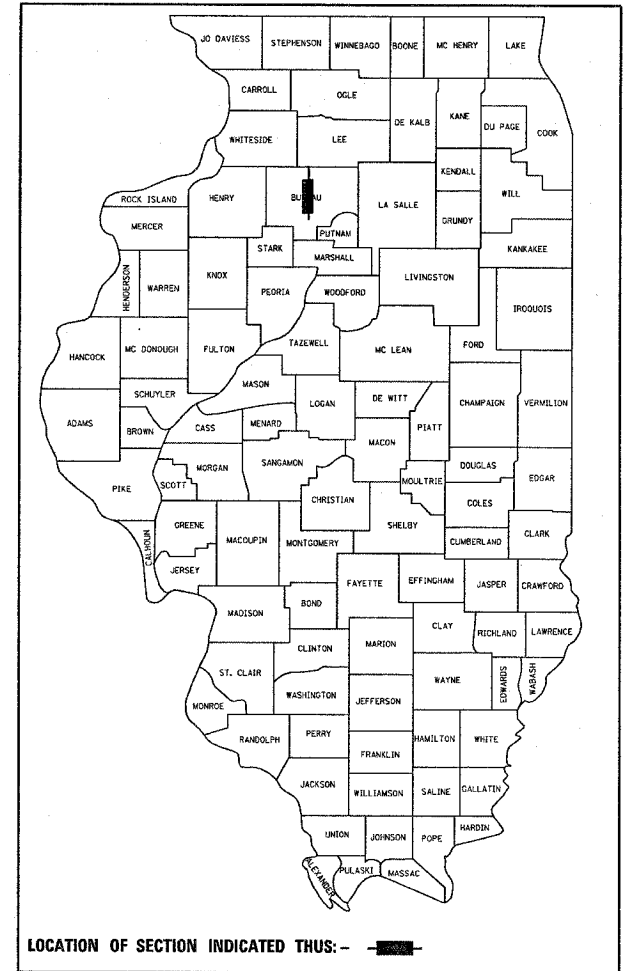
**FAU ROUTE 5637 (US 34)
SECTION 23RS-4
PROJECT M-5637 (002)
BUREAU COUNTY**

C - 93 - 084 - 08

PROJECT DESCRIPTION

3P RESURFACING FROM EAST OF IL 26 TO EAST OF 6TH STREET IN PRINCETON

D-93-053-08



LOCATION OF SECTION INDICATED THUS: - [shaded box] -

FUNCTION CLASSIFICATION

MINOR ATERIAL (URBAN)

2006 ADT = 2550

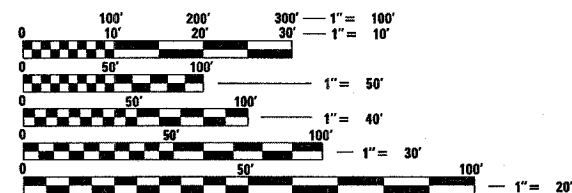
P.V. = 89% S.U. = 7.5% M.U. = 3.5%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 3-19-08 20 DB
Eric E. Haran
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 9, 2008
Eric E. Haran
ENGINEER OF DESIGN AND ENVIRONMENT
May 9, 2008
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

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



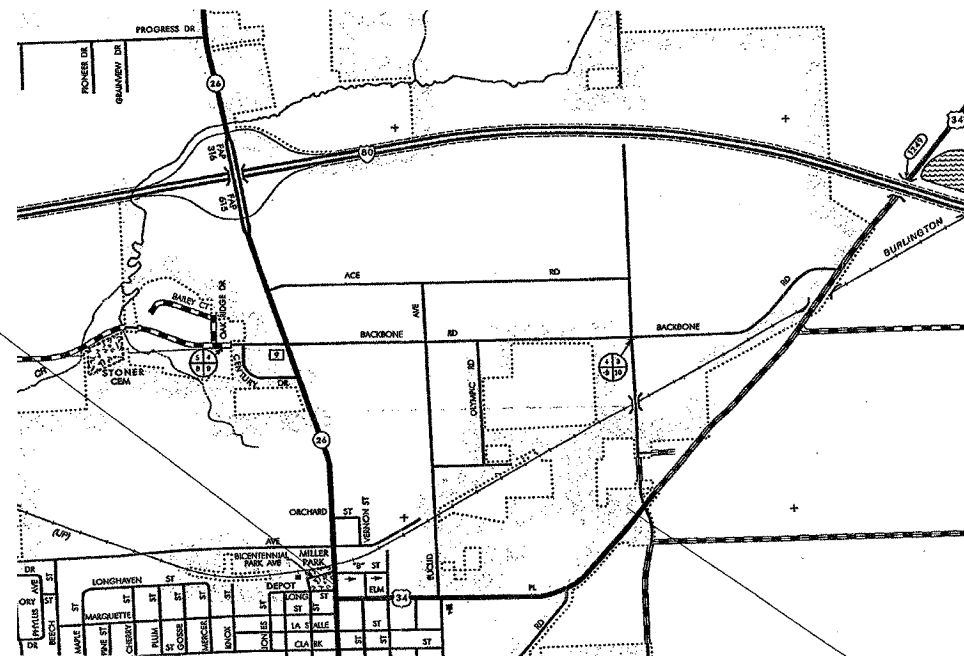
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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. 66807



**PROJECT ENDS
LM 0.75**

GROSS LENGTH = NET LENGTH = 3,960FT. = 0.75 MI.

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.

ADDITIONAL LEVELING BINDER, AT THE RATE GIVEN ON THE TYPICAL SECTIONS, HAS BEEN ADDED TO THE QUANTITIES TO CORRECT TO A 3/16" FT. CROWN ON SECTIONS OF EXISTING ROADWAYS.

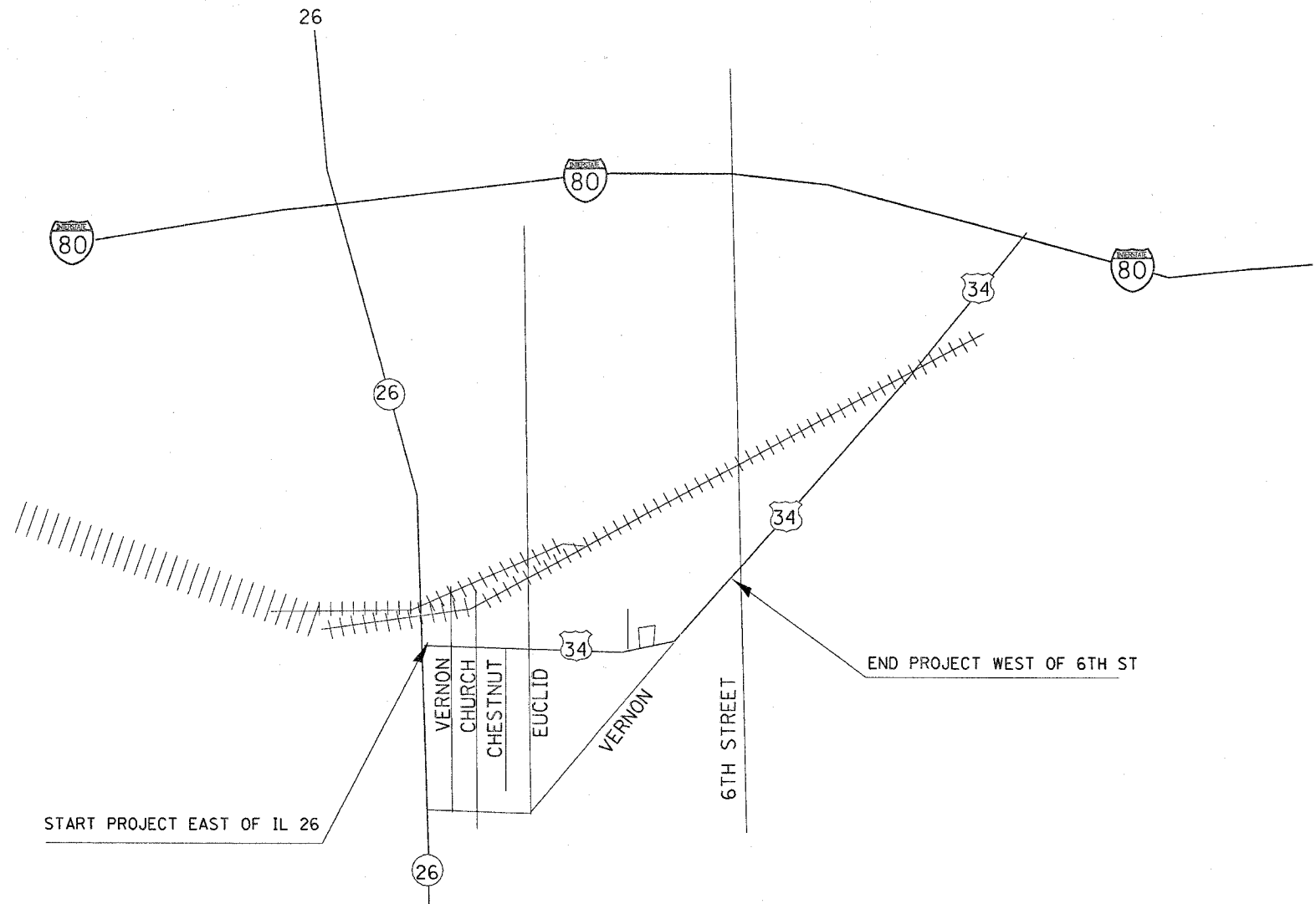
ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

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 MAT PRIME COAT	0.08	GAL / SQ YD OR
	0.375	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.



LOCATION MAP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Rick Pavell
DISTRICT STUDIES & PLANS ENGINEER

DATE: 3-19-08

EXAMINED BY: Herb Jung
DISTRICT CONSTRUCTION ENGINEER

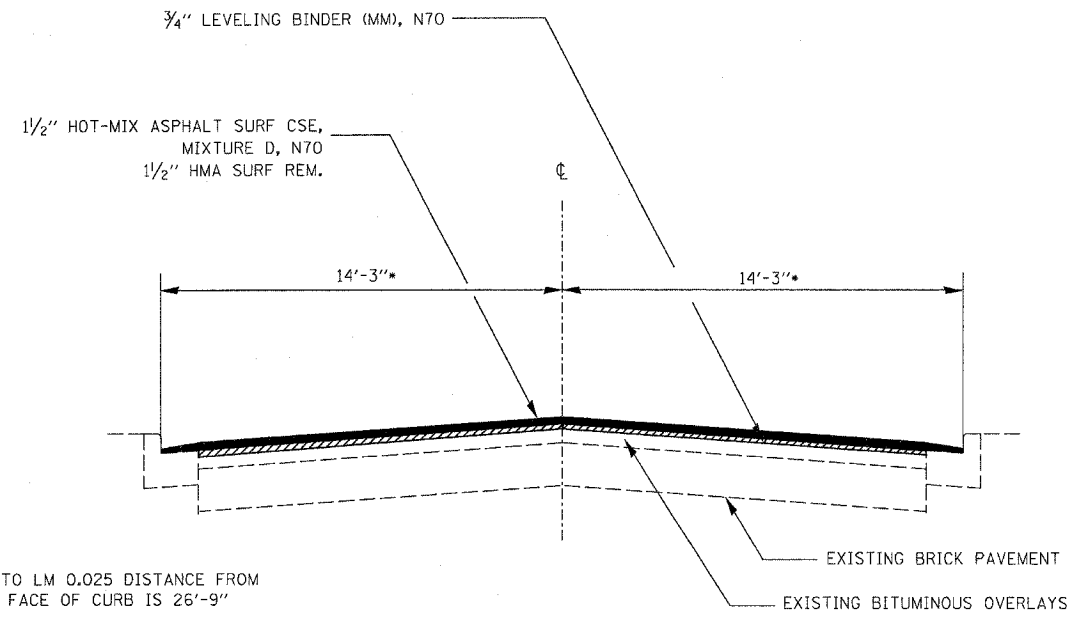
John J. [Signature]
DISTRICT MATERIALS ENGINEER

James A. [Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = braboypc	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND LOCATION MAP	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PROJECT NO. = 368387		DRAWN -	REVISD -			5637	2385-4	BUREAU	6	2	
PLOT SCALE = 47.8261' / IN.		CHECKED -	REVISD -			SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 66807			
PLOT DATE = Mar 19, 2008 - 8:18:49 AM		DATE -	REVISD -			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES				URBAN 80% FED. 20% STATE CONSTRUCTION TYPE CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 1000	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1194	1194	
40600300	AGGREGATE (PRIME COAT)	TON	30	30	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	4	4	
40600535	LEVELING BINDER (HAND METHOD), N70	TON	7	7	
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	578	578	
40600990	TEMPORARY RAMP	SQ YD	105	105	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1155	1155	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	98	98	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	13349	13349	
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1175	1175	
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	80	80	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	127	127	
60255500	MANHOLES TO BE ADJUSTED	EACH	2	2	
60260100	INLETS TO BE ADJUSTED	EACH	7	7	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1584	1584	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	7920	7920	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	990	990	
70300760	TEMPORARY PAINT PAVEMENT MARKING 24" WHITE	FOOT	25	25	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	131	131	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7920	7920	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	990	990	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	25	25	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	99	99	

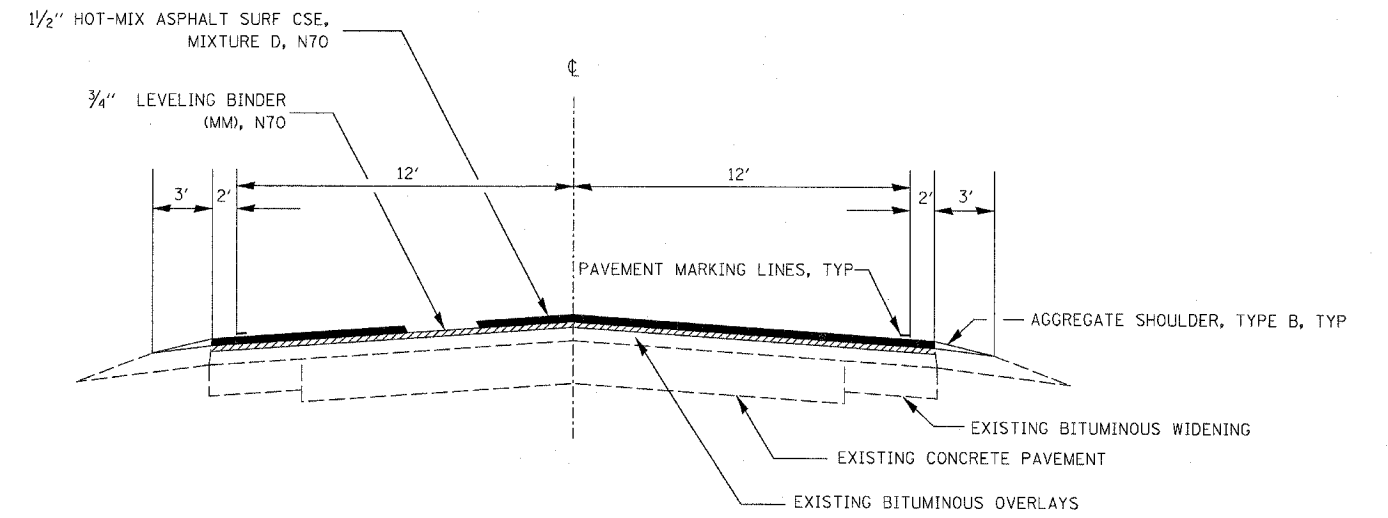
* SPECIALTY ITEMS



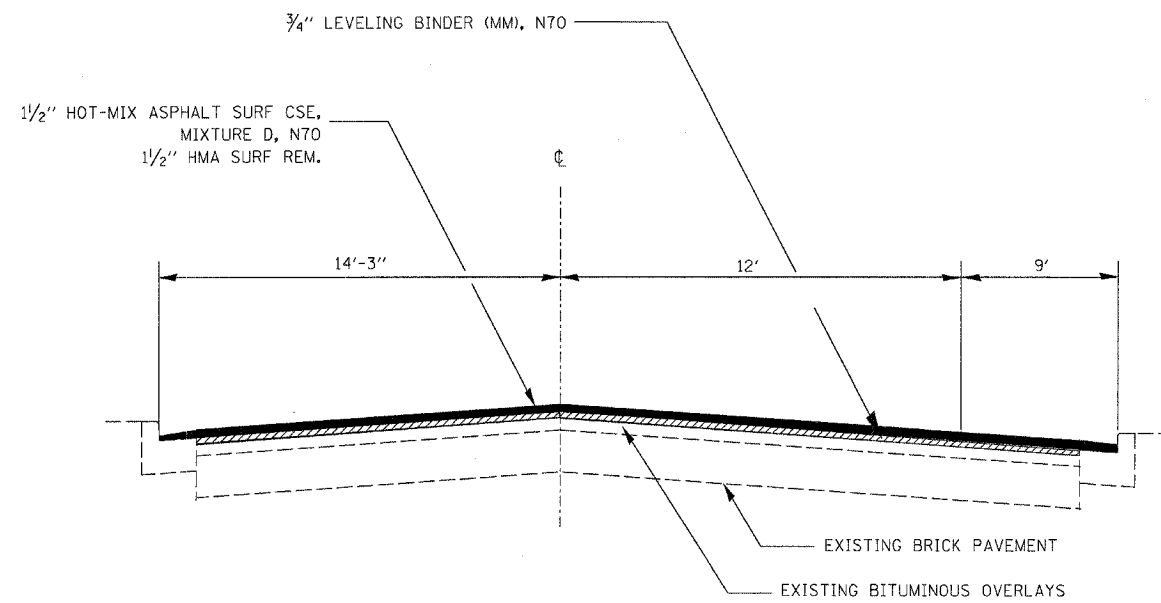
*LM 0.00 TO LM 0.025 DISTANCE FROM CL TO FACE OF CURB IS 26'-9"

TYPICAL SECTION

LM 0.00 TO LM 0.36



LM 0.4 TO LM 0.75



TYPICAL SECTION

LM 0.36 TO LM 0.40

	HMA SURFACE	HMA LEVELING BINDER
PG GRADE	PG 64-22	PG 64-22
MAX % RAP ALLOWABLE**	10%***	15%***
DESIGN AIR Voids	4% @ N70	4% @ N70
MIXTURE COMPOSITION	IL 12.5 OR IL 9.5	IL 9.5
FRICTION AGGREGATE DENSITY CONTROL LIMITS	MIXTURE D CORRELATION	SATISFACTION OF ENGINEER

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

***IF 3/8" RAP IS UTILIZED, MAXIMUM PERCENT MAY BE INCREASED TO 25% FOR BINDER AND 15% FOR SURFACE. SEE RAP SPECIAL PROVISIONS

FILE NAME =	USER NAME = braboypc	DESIGNED - ---	REVISED - ---
c:\projects\d366887\d366887-ahd-details.dgn		DRAWN - ---	REVISED - ---
PLDT SCALE = 50.0000' / IN.		CHECKED - ---	REVISED - ---
PLDT DATE = Mar 19, 2008 - 09:33:34 AM		DATE - ---	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5637	2385-4	BUREAU	6	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 66807	

MAINLINE												
LOCATION	WIDTH	LENGTH	AREA	HMA SURF REM 1 1/2"	HMA LEVEL BIND (HM)	LEVEL BINDER (MM) N70	HMA SC MIX "D" N70	MIX CR JTS FLANGEWYS	BIT MATLS PR CT	AGG PR CT	TEMP RAMP	AGG SHLD TY B
STATION	FT	FT	SQ YD	SQ YD	TON	TON	TON	TON	GAL	TON	SQ YD	TON
0.00 TO 0.025	51'-6"	132.0	755.3	755.3	0.4	31.7	63.4	0.2	60.4	1.5	8.0	
0.025 TO 0.31	28'-6"	1505.0	4765.8	4765.8	2.4	200.2	400.3	1.4	381.3	9.5		
0.31 TO 0.35	35'-6"	211.0	832.3	832.3	0.4	35.0	69.9	0.2	66.6	1.7	8.0	
0.35 TO 0.4	28'-6"	264.0	836.0	836.0	0.4	35.1	70.2	0.3	66.9	1.7		
0.4 TO 0.75 - NO C & G	30'	1848.0	6160.0	6160.0	3.1	258.7	517.4	1.8	492.8	12.3	8.0	122.8
TOTALS		3960.0	13349.4	13349.4	6.9	577.5	1155.0	4.1	1100.0	27.5	24.7	126.5

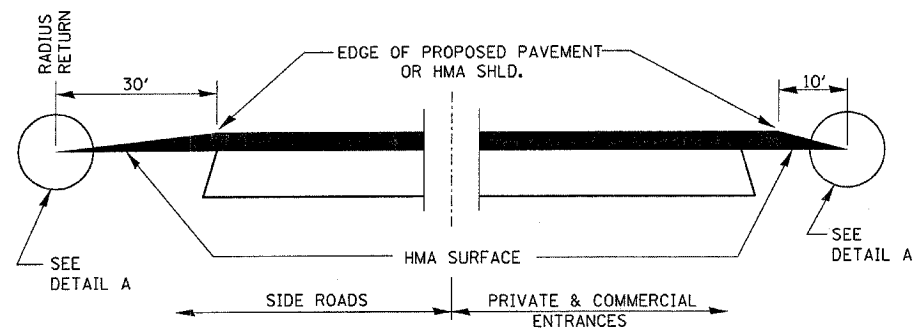
ADJUSTMENT ITEMS			
LOCATION	RT/LT	MH	INLET
		ADJ	ADJ
		EACH	EACH
0.00			
ALLEY 0.025			
0.025	RT/LT		2
VERNON ST ST 0.05			
0.05	RT/LT	1	4
EUCLID ST. 0.20			
0.20	LT	1	1
TOTALS		2	7

PAVEMENT MARKING										
LOCATION	TYPE	THPL	THPL	THPL	TEMP	TEMP	TEMP	RAISED	SHORT	WORK
		PVT	PVT	PVT	PVT	PVT	PVT	REF	TERM	ZONE
		MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	PVT	PVT	PVT
		4"	6"	24"	4"	6"	24"	MKR	MKR	MKR
		WHITE	YEL	WHITE	WHITE	YEL	WHITE			REM
FT	FT	FT	FT	FT	FT	FT	EACH	FT	SQ FT	
0.00 TO 0.75		7920.0	990.0	25.0	7920.0	990.0	25	99	1584	131

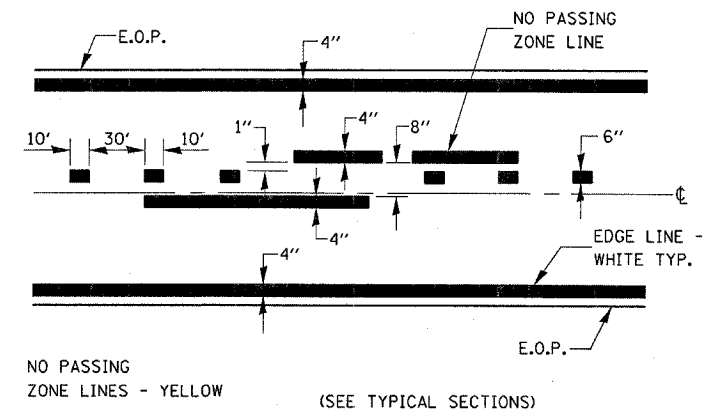
CLASS D PATCHING	
LOCATION	TYPE II
LOG MILE	SQ YD
0.00-0.74	80
(VARIOUS LOCATIONS)	
TOTALS	80.0

This is a Contingency Quantity-See Special Provisions

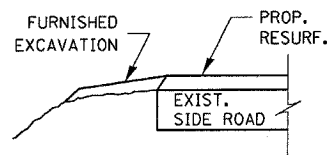
SIDE ROAD & ENTRANCES							
LOCATION	MILE	RT/LT	INCIDENTAL	HMA	BIT	TEMP.	AGG
			HMA SURF	SURF REM	MATLS PR CT	RAMP	PR CT
				VAR DP			
			TON	SQ YD	GAL	SQ YD	TON
0.00 START OF JOB-IL 26							
COMMENT	0.012	RT	2.50	30	2.50		0.06
COMMENT	0.015	LT	2.50	30	2.50		0.06
ALLEY	0.025	LT/RT	5.54	66	5.28	16.00	0.13
PVT ENTRANCE		LT	1.26	15	1.20		0.03
VERNON STREET	0.05	LT/RT	13.44	160	12.80	16.00	0.32
PVT ENTRANCE		LT	1.26	15	1.20		0.03
PVT ENTRANCE		RT	1.26	15	1.20		0.03
PVT ENTRANCE		LT	1.26	15	1.20		0.03
PVT ENTRANCE		RT	1.26	15	1.20		0.03
CHURCH STREET	0.1	LT/RT	13.44	160	12.80	16.00	0.32
PVT ENTRANCE		LT	1.26	15	1.20		0.03
PVT ENTRANCE		LT	1.26	15	1.20		0.03
PVT ENTRANCE		RT	1.26	15	1.20		0.03
CHESTNUT STREET	0.15	RT	6.72	80	6.40	8.00	0.16
PVT ENTRANCE		LT	1.26	15	1.20		0.03
PVT ENTRANCE		RT	1.26	15	1.20		0.03
PVT ENTRANCE		RT	1.26	15	1.20		0.03
EUCLID STREET	0.20	LT/RT	13.44	160	12.80	16.00	0.32
PVT ENTRANCE		RT	1.26	15	1.20		0.03
PVT ENTRANCE		RT	1.26	15	1.20		0.03
PVT ENTRANCE		LT/RT	2.52	30	2.40		0.06
PVT ENTRANCE		LT/RT	2.52	30	2.40		0.06
PVT ENTRANCE		LT/RT	2.52	30	2.40		0.06
PVT ENTRANCE		LT/RT	2.52	30	2.40		0.06
PVT ENTRANCE		LT/RT	2.52	30	2.40		0.06
PVT ENTRANCE		LT/RT	2.52	30	2.40		0.06
PVT ENTRANCE		RT	1.26	15	1.20		0.03
DOVER STREET	0.5	RT	6.72	80	6.40	8.00	0.16
PVT ENTRANCE		LT	1.26	15	1.20		0.03
PVT ENTRANCE		LT	1.26	15	1.20		0.03
PVT ENTRANCE		LT	1.26	15	1.20		0.03
TOTALS			103.87	1237.03	99.17	80.00	2.47



SECTION A-A
DETAILS AT ENTRANCES & SIDE ROADS

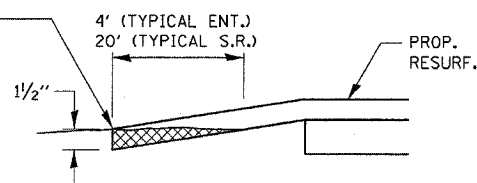


PAVEMENT MARKING 780-8

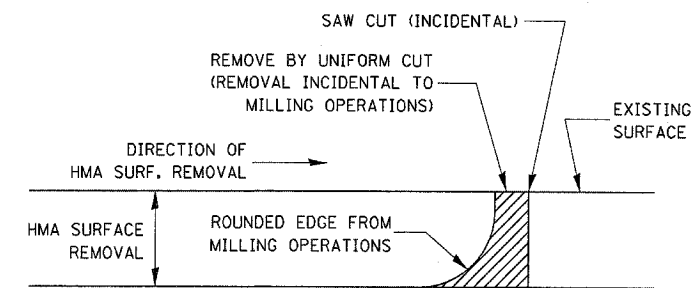


SECTION B-B

THE COST OF REMOVAL AT EXISTING HMA OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. YD. BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.

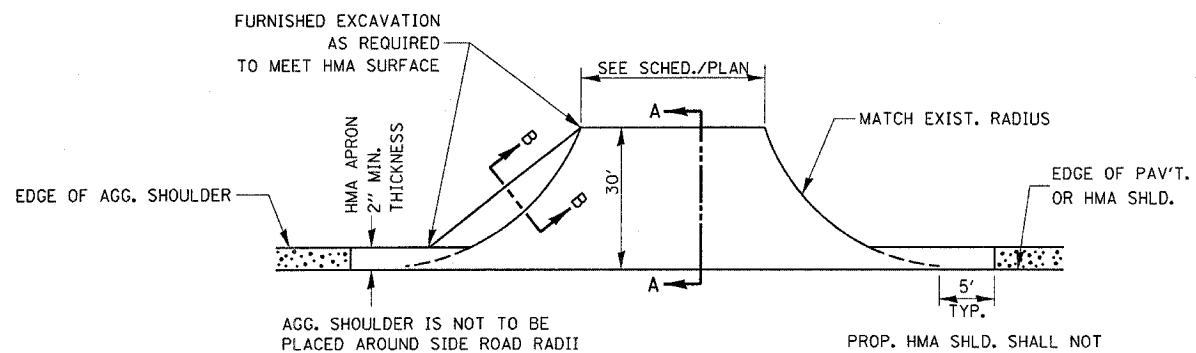


DETAIL A

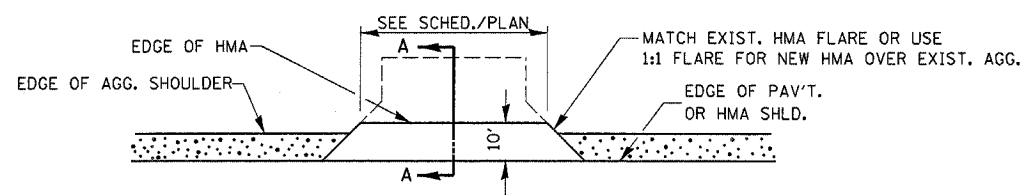


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

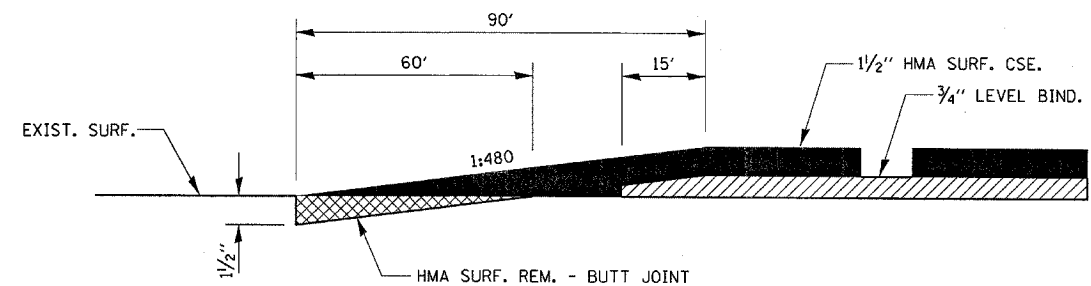
HMA DETAIL AT BUTT JOINTS



PLAN AT SIDE ROADS



PLAN AT PRIVATE & COMMERCIAL ENTRANCES
(DO NOT RESURFACE FIELD ENTRANCES)



FILE NAME =	USER NAME = braboygo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\projects\td366887\td366887-ah-t-details.dgn		DRAWN -	REVISED -			5637	238S-4	BUREAU	6	6	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 66807					
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