

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(20,21)RS-5	IROQUOIS	6	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 66911		

D-93-027-09

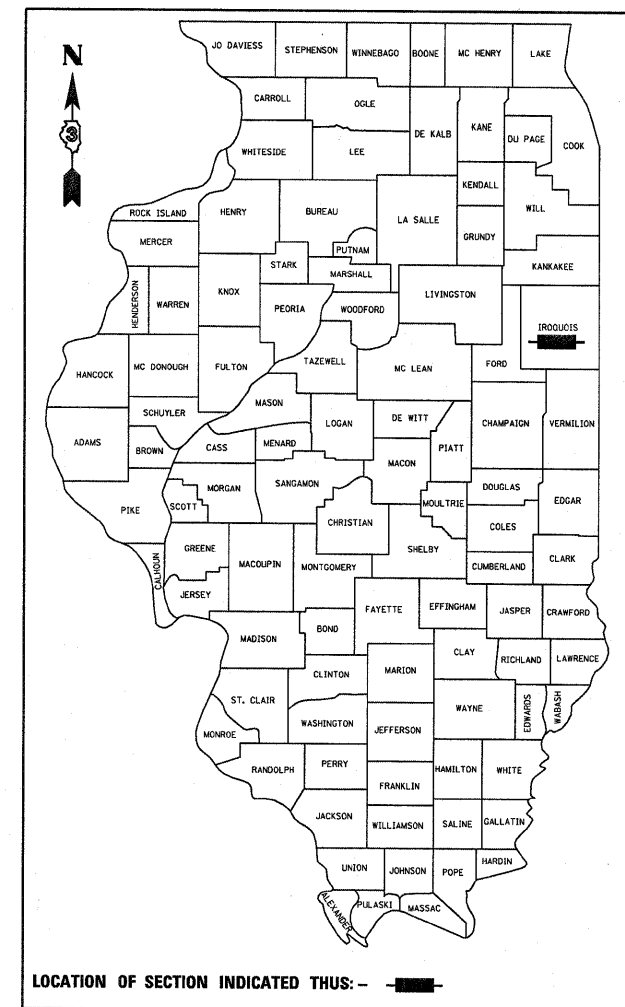
INDEX OF SHEETS

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

PROPOSED HIGHWAY PLANS

FAP ROUTE 317
SECTION (20,21)RS-5
PROJECT ACF-0317(081)
3P RESURFACING FROM US 45 TO IL 49
IROQUOIS COUNTY

C-93-050-09



LOCATION OF SECTION INDICATED THIS: - [black bar] -

FUNCTIONAL CLASSIFICATION—
OTHER PRINCIPAL ARTERIAL (RURAL)

ADT (2007)— 4250
P.V.—77.7% M.U.— 9.4% S.U.— 12.9%

STATE OF ILLINOIS
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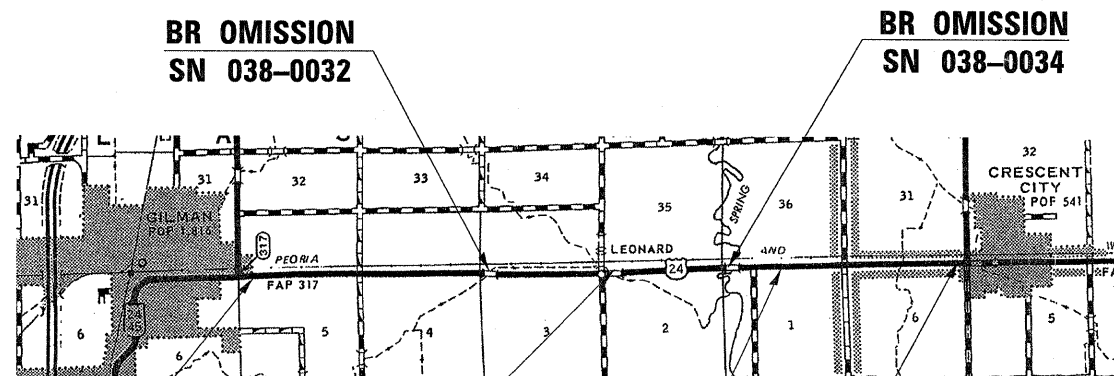
SUBMITTED Jan 12 20 09
George Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 27, 20 09
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

March 27, 20 09
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 406201-01 MAILBOX TURNOUT
- 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
- 701011-02 OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
- 701201-03 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS P 45 MPH
- 701206-02 LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS P 45 MPH
- 701301-03 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-02 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS P 45 MPH
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS



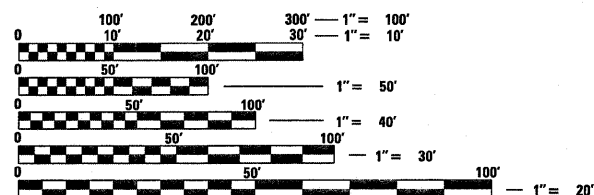
START PROJECT
STA 1758 + 00.00

BR OMISSION
SN 038-0033

END PROJECT
STA 2067 + 82

STA EQUATION
1991 + 00(BK) =
1990 + 88.31(AH)

GROSS LENGTH = 30,993.69 FT. = 5.87 MILE
NET LENGTH = 29,716.69 FT. = 5.63 MILE



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
DOUGLAS TOWNSHIP
CONTRACT NO. 66911

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OF THE STATE OF ILLINOIS

GENERAL NOTES
(Revised April 2, 2008)

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.

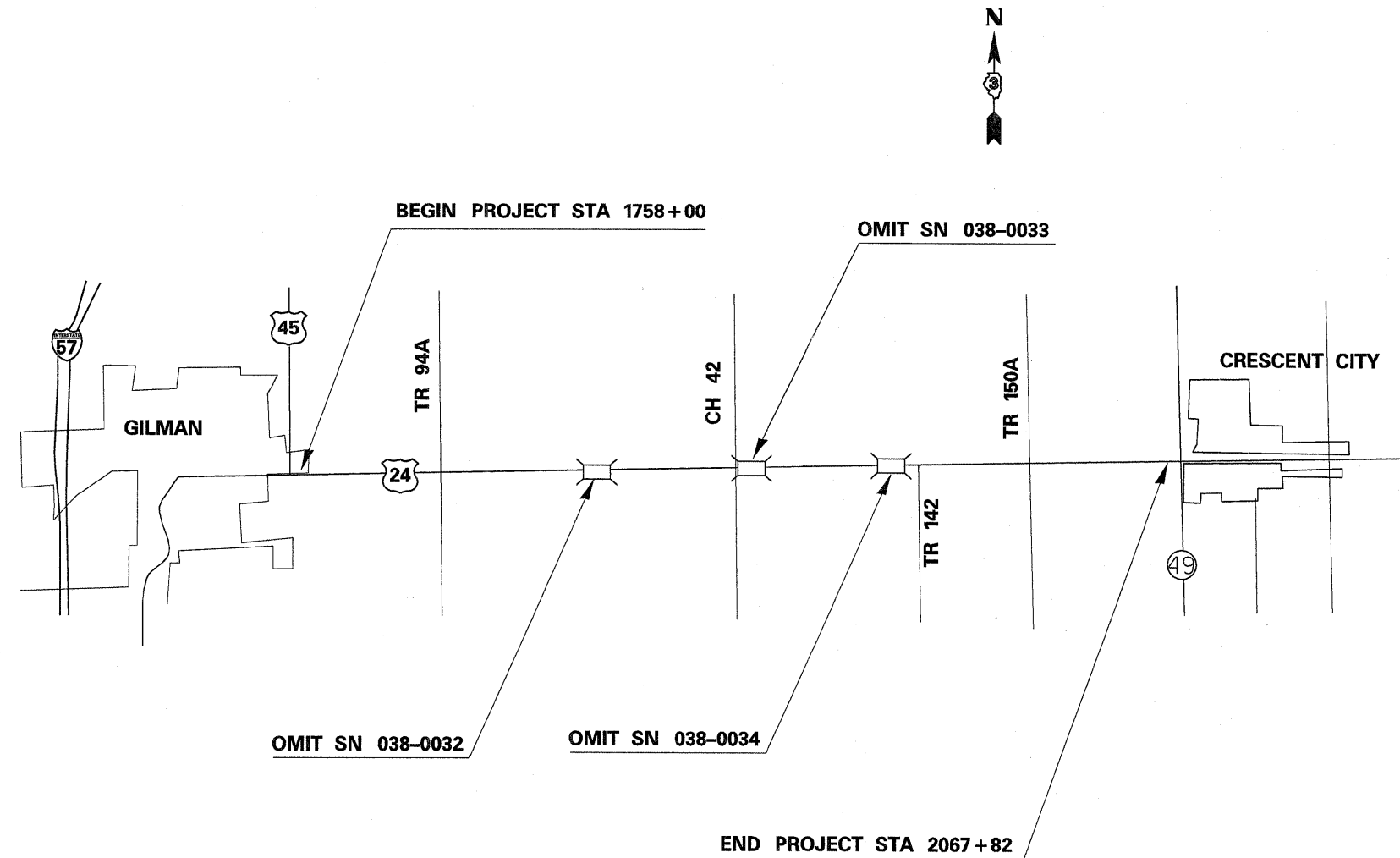
SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

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.

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
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
TEMPORARY DITCH CHECKS	5	TONS AGGREGATE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: [Signature]
DISTRICT STUDIES & PLANS ENGINEER

DATE: 1-12-09

EXAMINED BY: [Signature]
DISTRICT CONSTRUCTION ENGINEER

Wayne Phillips
DISTRICT MATERIALS ENGINEER

[Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = braboypc	DESIGNED -	REVISD -
ca:\pwork\PMIDOT\BRABOYPC\d8107238\vd36911-sht-plans.dgn		DRAWN -	REVISD -
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISD -
PLOT DATE = Jan 12, 2009 - 11:29:05 AM		DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND LOCATION MAP

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(20.21)RS-5	JROQUOIS	6	2
CONTRACT NO. 66911				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				80/20 FED / STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE
				ROADWAY I000
20400800	FURNISHED EXCAVATION	CU YD	35	35
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	8042	8042
40600300	AGGREGATE (PRIME COAT)	TON	204	204
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	30	30
40600535	LEVELING BINDER (HAND METHOD), N70	TON	50	50
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	4286	4286
40600895	CONSTRUCTING TEST STRIP	EACH	1	1
40600990	TEMPORARY RAMP	SQ YD	64	64
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	8571	8571
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	269	269
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	103473	103473
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2861	2861
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	21	21
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	12400	12400
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	61988	61988
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	7749	7749
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1025	1025
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	61988	61988
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	7749	7749
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	388	388
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	388	388

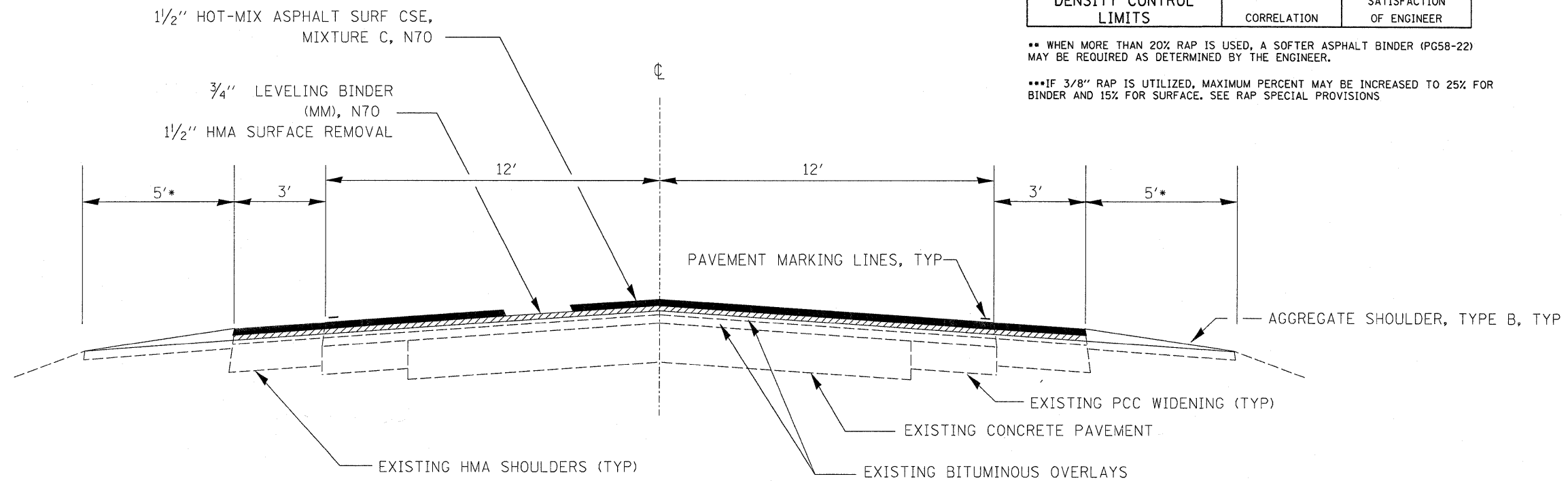
* SPECIALTY ITEMS

FILE NAME =	USER NAME = bbraboypc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 53.4183' / IN.	CHECKED -	REVISED -	CONTRACT NO. 66911							
PLOT DATE = Jan 12, 2009 - 01:36:41 PM	DATE -	REVISED -	SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

	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	MIXTURE C	-
DENSITY CONTROL LIMITS	CORRELATION	SATISFACTION OF ENGINEER

** WHEN MORE THAN 20% RAP IS USED, A SOFTER ASPHALT BINDER (PG58-22) MAY BE REQUIRED AS 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



STA 1758+00 TO 2067+82

(OMIT BRIDGES SN'S 038-0032,038-0033,038-0034)

*AGG SHOULDER WIDTH VARIES FROM 5' TO 7'
(SEE SCHEDULE)

FILE NAME =	USER NAME = brcboypc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr\pwork\pwidot\br-aboypc\d0107230\d36	911-shr-plans.dgn	DRAWN -	REVISED -			317	(20,21)RS-5	ILLINOIS	6	4	
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	PLOT DATE = Jan 12, 2009 - 01:34:31 PM	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

MAINLINE													
LOCATION	STATION	LENGTH	WIDTH	AREA	HMA SURF REM 1 1/2"	LEVEL BIND (MM)	LEVEL BIND (HM)	MIX CRACKS, JOINTS, & FLGWYS	AGG (PR. CT.)	TEMP. RAMPS	BIT MATLS. (PR. CT.)	HMA SURF CSE, MIX 'D''	AGG. SHLD. TY. B
	TO	FT	FT	SQ. YD.	SQ. YD.	TON	TON	TON	TON	SQ YD	GAL	TON	TON
	1758+00	1861+45		10345	34483	1448.3	17.2	10.3	69.0	16.0	2758.7	2896.6	736.4
OMIT STRUCTURE NUMBER 038-0032	1865+11	1911+95	30	15613	15613	655.8	7.8	4.7	31.2	16.0	1249.1	1311.5	466.8
OMIT STRUCTURE NUMBER 038-0033	1916+39	1964+02	30	15877	15877	666.8	7.9	4.8	31.8	16.0	1270.1	1333.6	474.6
OMIT STRUCTURE NUMBER 038-0034	1968+69	1991+00(BK)	30	7437	7437	312.3	3.7	2.2	14.9	8.0	594.9	624.7	158.8
1990+88(AH)	2067+82		30	25647	25647	1077.2	12.8	7.7	51.3	8.0	2051.7	2154.3	547.7
TOTALS						102028.4	4285.2	49.5	198.1	64.0	7924.5	8570.4	2861.1

SIDEROAD AND ENTRANCE SCHEDULE							
LOCATION	SIDE	DESCRIPTION	FURNISHED EXCAVATION	HMA SURF REM 1 1/2"	BIT MAT'L PRIME CT	AGG PR CT	INCIDENTAL HMA SURFACING
STATION	(LT OR RT)		CU YD	SQ YD	GAL	TON	TON
1805+14.5	LT	SIDEROAD-TR 94A (N)	5	175.00	14.00	0.70	25.0
1805+1908	RT	SIDEROAD-TR 94A (S)	5	175.00	14.00	0.70	25.0
1820+37	RT	P.E. (W/MAILBOX TURNOUT LT)		22.00	2.00	0.10	6.0
1835+00	RT	P.E.		22.00	2.00	0.10	4.0
1901+92	RT	P.E. (W/MAILBOX TURNOUT LT)		22.00	2.00	0.10	6.0
1906+02	RT	C.E.		22.00	2.00	0.10	5.0
1910+58.99	RT	SIDEROAD-CH 42(S)	5	175.00	14.00	0.80	25.0
1910+58.99	LT	SIDEROAD-CH 42(N)	5	175.00	14.00	0.70	25.0
1937+02	RT	P.E. (W/MAILBOX TURNOUT RT)		22.00	2.00	0.10	6.0
1950+11	LT	P.E. (W/MAILBOX TURNOUT RT)		22.00	2.00	0.10	6.0
1975+95	LT	P.E.		22.00	2.00	0.10	4.0
1976+30.5	RT	SIDEROAD-TR 142(S)	5	175.00	14.00	0.80	25.0
2003+14	RT	P.E.		22.00	2.00	0.10	4.0
2016+31.54	LT	SIDEROAD-TR 150A(N)	5	175.00	14.00	0.60	25.0
2016+37.18	RT	SIDEROAD-TR 150A(S)	5	175.00	14.00	0.80	25.0
2033+38	RT	P.E.		22.00	2.00	0.10	4.0
2034+84	RT	P.E.		22.00	2.00	0.10	4.0
TOTALS			35.00	1445.00	118.0	6.1	268.8

GO BACK 30' ON SIDEROADS AND 10' ON ENTRANCES
PLACE FURNISHED EXCAVATION AROUND SIDEROAD RADII AFTER RESURFACING-THS IS TO BE SEEDED AND FERTILIZED(WHICH WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION)

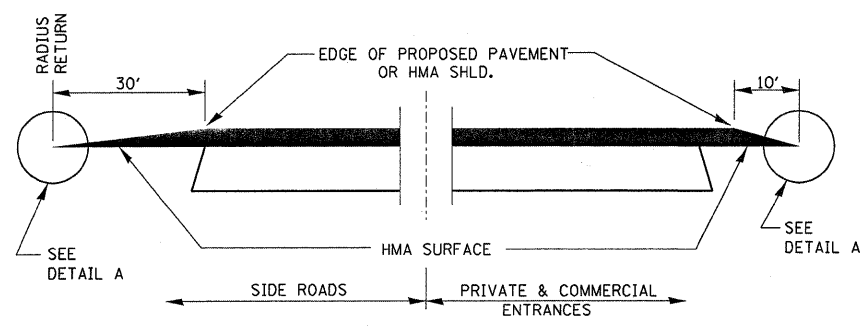
PERMANENT SURVEY MARKERS, TYPE I SCHEDULE	
LOCATION	EACH
P.T. STA. 1759+42.45	1
P.C. STA. 1760+46.31	1
P.T. STA. 1765+45.77	1
P.C. STA. 1789+98.87	1
P.R.C. STA. 1799+98.76	1
P.T. STA. 1809+98.64	1
P.C. STA. 1837+13.01	1
P.T. STA. 1845+45.96	1
P.C. STA. 1847+97.21	1
P.T. STA. 1855+98.28	1
P.C. STA. 1919+63.44	1
P.T. STA. 1928+90.97	1
P.C. STA. 1932+03.50	1
P.T. STA. 1941+37.68	1
P.C. STA. 1972+00.22	1
P.T. STA. 1980+18.09	1
P.C. STA. 1981+77.16	1
P.T. STA. 1990+29.14	1
STA. 1991+00 (BK.) = STA. 1990+88.31 (AH.)	1
P.C. STA. 2058+00.00	1
P.T. STA. 2067+99.86	1
TOTAL	21

SEE COMMITMENT FILE FOR TIE POINTS

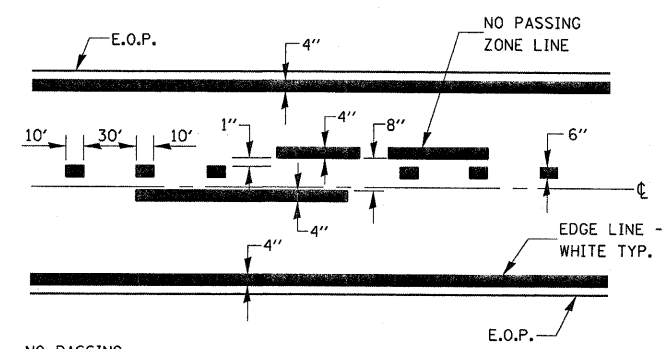
PAVEMENT MARKING								
LOCATION	PAINT PVT MK LN 4"	PAINT PVT MK LN 6"	TEMP PVT MK LN 4"	TEMP PVT MK LN 6"	RAISED REF PVT MKR*	RAISED REF PVT MKR REMOVAL	SHORT TERM PVT MKR	WORK ZONE PVT MKR REM
	WHITE	YEL	WHITE	YEL	EACH	EACH	FT	SQ FT
	FT	FT	FT	FT	EACH	EACH	FT	SQ FT
1758+00 TO 1991+00(BK)	46600.0	5825.0	46600.0	5825.0	292	292	9320	770
1990+88(AH) TO 2067+82	15388.0	1924.0	15388.0	1924.0	96	96	3080	255
TOTALS	61988.0	7749.0	61988.0	7749.0	388.0	388.0	12400.0	1025.0

*NO RAISED REFLECTIVE PAVEMENT MARKERS NEEDED ON BRIDGES

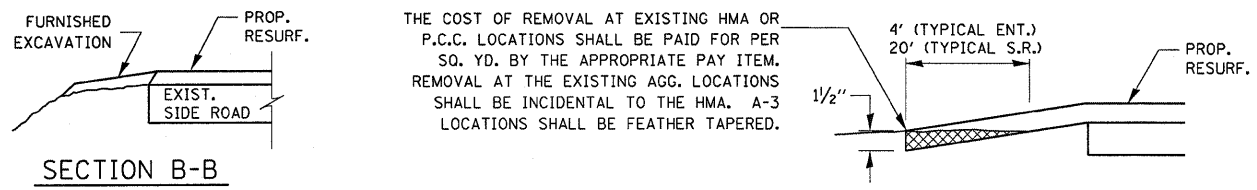
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ca:\pwork\pwork\brabogpc\d0107230\d36911-sht-plans.dgn	DRAWN -	REVISED -	317			(20.21)RS-5	IROUOIS	6	5	
PLOT SCALE = 53.4183 / / IN.	CHECKED -	REVISED -	CONTRACT NO. 66911							
PLOT DATE = Jan 12, 2009 - 01:36:13 PM	DATE -	REVISED -	SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.



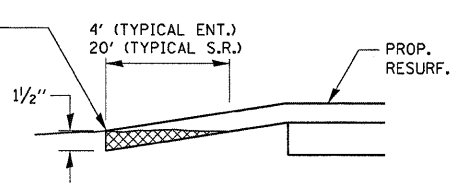
SECTION A-A
DETAILS AT ENTRANCES & SIDE ROADS



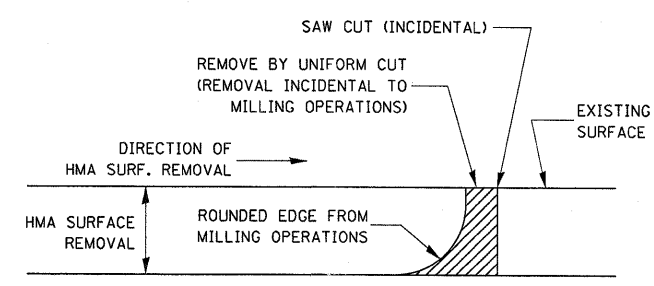
PAVEMENT MARKING 780-8



SECTION B-B

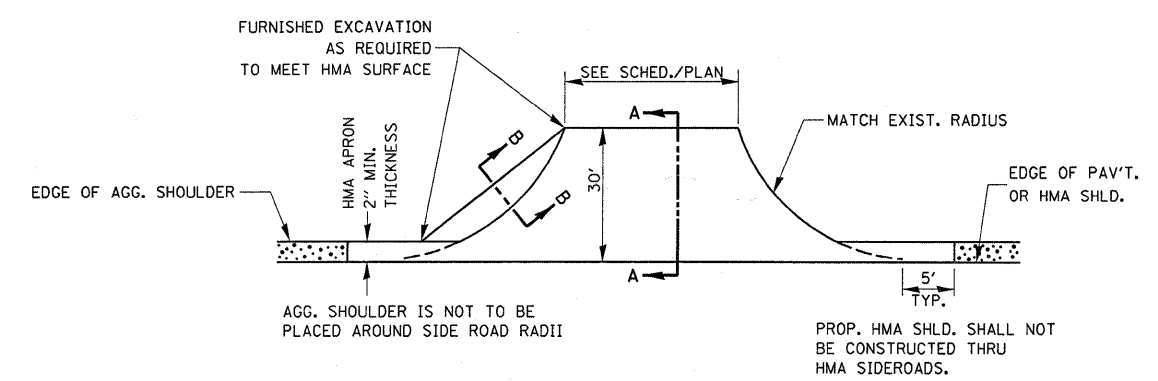


DETAIL A

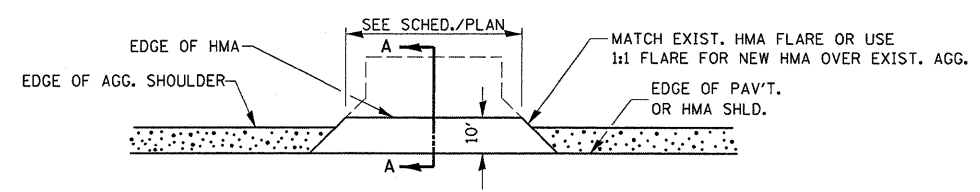


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

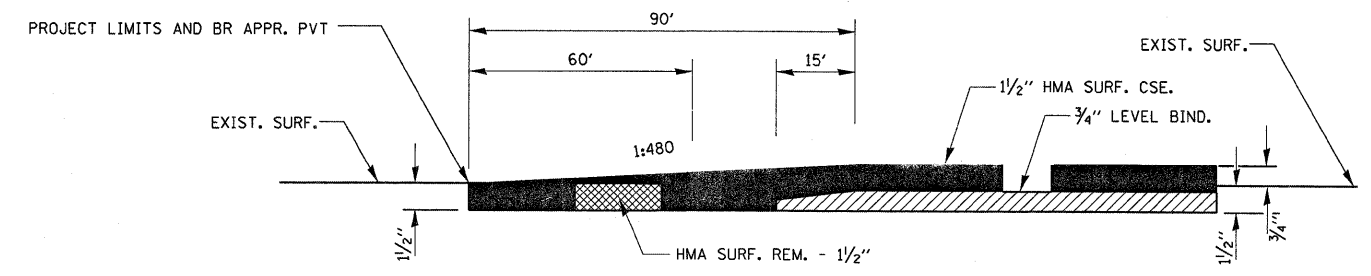
HMA DETAIL AT BUTT JOINTS



PLAN AT SIDE ROADS



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



HMA TAPER DETAIL AT PROJECT LIMITS AND BRIDGES

FILE NAME =	USER NAME = braboygo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwork\pwork\braboygo\d0107230\436911-sht-plans.dgn	DRAWN -	REVISED -	317			(20,21)RS-5	IROUOIS	6	6	
PLOT SCALE = 53.4183' / IN.	CHECKED -	REVISED -	CONTRACT NO. 66911							
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