

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-6,7)I	BUREAU	8	3
		ILLINOIS	CONTRACT NO. 66954	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

D-93-051-09

INDEX OF SHEETS

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2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
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PROPOSED
HIGHWAY PLANS

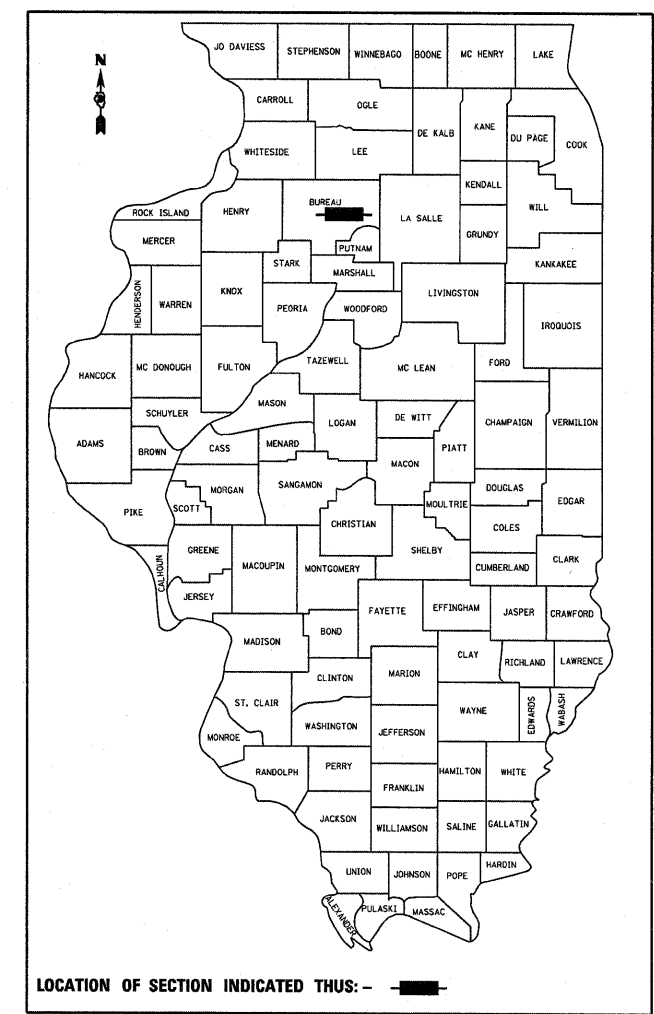
FAI ROUTE 80 (I-80)
SECTION (06-6,7)I
PROJECT ESP-080-2(064)062

BUREAU COUNTY
TYPE of IMPROVEMENT-
INTERMITTENT RESURFACING

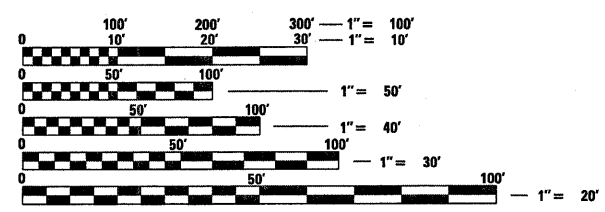
C-93-090-09

STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442101-07	CLASS B PATCHES
701400-03	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-05	LANE CLOSURE, FREEWAY/EXPRESSWAY
701426-03	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS P 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

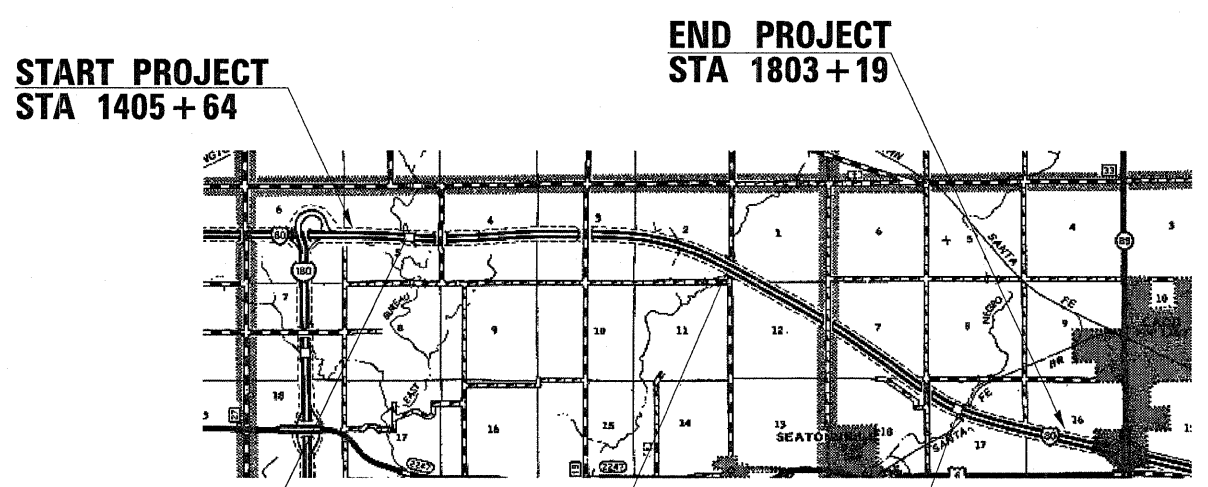


ADT (2008) = 22,200
% PV = 60.4, % MU = 35.1, % SU = 4.5



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



OMIT SN 006-0024 & 006-0025

OMIT SN 006-0026 & 006-0027

OMIT SN 006-0028, 006-0029, 006-0030 & 006-0031

PROJECT ENGINEER JOE KANNEL
UNIT CHIEF PAT BRABOY

CONTRACT NO. 66954

GROSS LENGTH = 39,759 FT. = 7.53 MILE
NET LENGTH = 38,787 FT. = 7.34 MILE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED 2/13/09 20 09

George Ryan
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 13, 20 09
Charles J. Ingwall
 ENGINEER OF DESIGN AND ENVIRONMENT

March 13, 20 09
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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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 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.

SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE EXIT AND ENTRANCE RAMPS FOR THE PRIME COAT APPLICATION AND EACH RESURFACING LIFT.

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)	0.10	GAL / SQ YD
FOR ADDITIONAL POLY. 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

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: *Rick Powell*
DISTRICT STUDIES & PLANS ENGINEER

DATE: 2.3.09

EXAMINED BY: *Mark K... [Signature]*
DISTRICT CONSTRUCTION ENGINEER

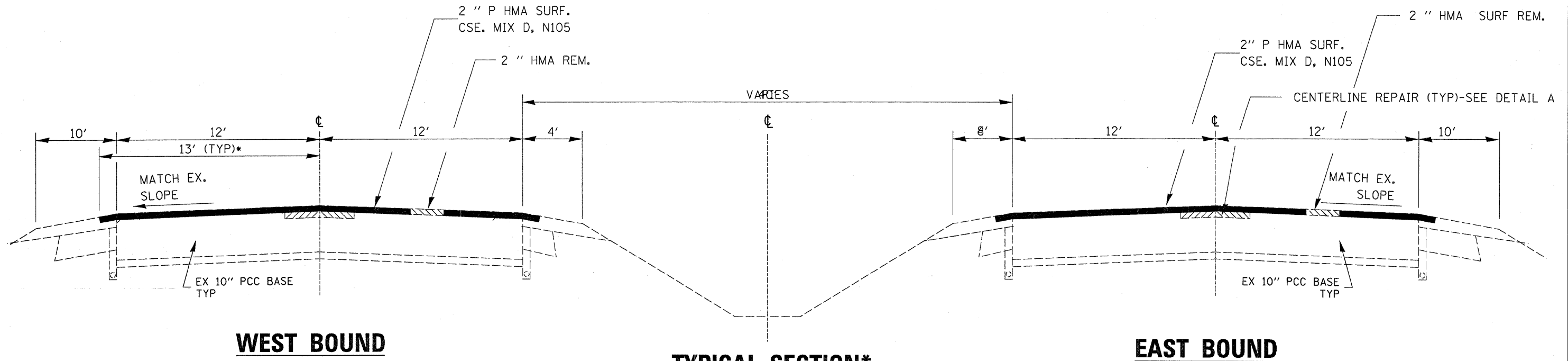
Wayne Phillips
DISTRICT MATERIALS ENGINEER

James A. Anderson
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = braboypc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca\pwwork\PIWIDOT\BRABOYPC\d8123877\d36954--sh-ct-cover.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -			80	(06-6.7I)	BUREAU	8	2	
	PLOT DATE = Feb 03, 2009 - 07:26:53 AM	CHECKED -	REVISED -			CONTRACT NO. 66954					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES			100% FED.
CODE NO.	CONSTRUCTION CODE TYPE: ITEM	UNIT	1000
			TOTAL QUANTITY
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	25011
40600300	AGGREGATE (PRIME COAT)	TON	465
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	70
40600755	POLYMERIZED LEVELING BINDER (HAND METHOD), N105	TON	117
40600895	CONSTRUCTING TEST STRIP	EACH	1
40603550	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N105	TON	28820
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	232,869
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	17250
42001200	PAVEMENT FABRIC	SQ YD	1125
44213200	SAW CUTS	FOOT	5840
44201055	CLASS B PATCHES, TYPE II, 17 INCH	SQ YD	596
44201057	CLASS B PATCHES, TYPE III, 17 INCH	SQ YD	282
44201053	CLASS B PATCHES, TYPE IV, 17 INCH	SQ YD	864
48203017	HOT-MIX ASPHALT SHOULDERS, 5"	SQ YD	600
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2
67100100	MOBILIZATION	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7951
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2624
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1988
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1988
X0325969	PORTABLE, VEHICLE MOUNTED, CHANGEABLE MESSAGE BOARD	CAL DA	45
X7010805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	L SUM	1
X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	159020
X7800630	URETHANE PAVEMENT MARKING - LINE 6"	FOOT	19878
Z0017100	DOWEL BARS	EACH	1800
Z0075300	TIE BARS	EACH	316

• SPECIALTY ITEMS

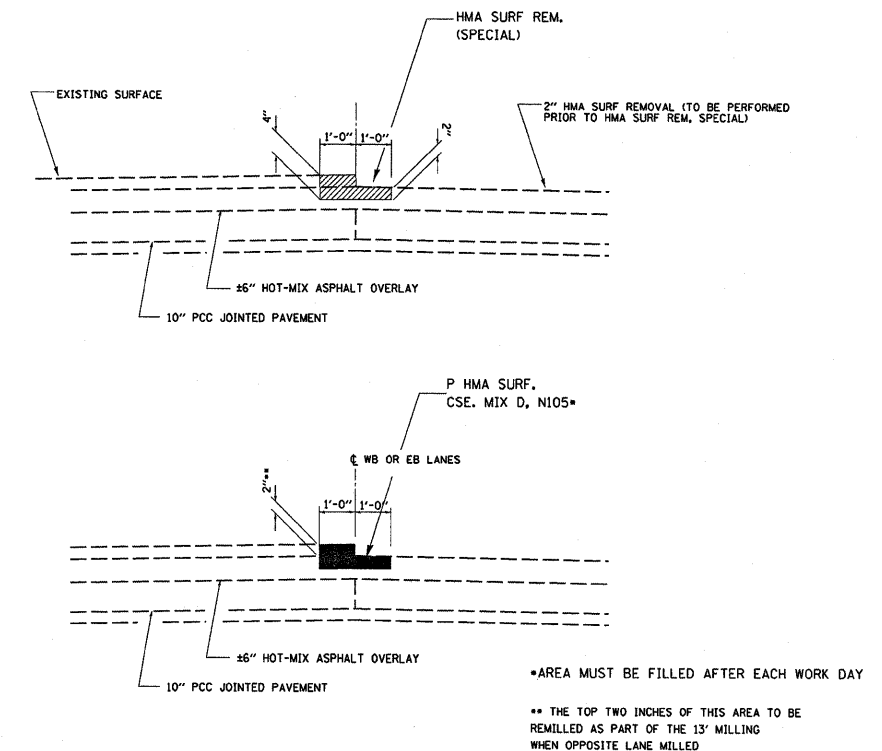


TYPICAL SECTION*
 STA 1405+64 TO 1803+19
 OMIT ALL MAINLINE STRUCTURES

*TOTAL MILLING AND RESURFACING WIDTH OF 26' IN EACH (EB OR WB) LANE

MIX DESIGN						
MIX	PG GRADE	MAX % RAP ALLOWABLE **	DESIGN AIR VOIDS	MIX COMPOSITION	FRICTION AGG	DENSITY CONTROL
POLYMERIZED HMA SURFACE/HMA SHOULDERS	SBS/PG 70-22	10%	4.0% @N105	IL 12.5	MIXTURE D	CORRELATION

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



DETAIL A

HMA SURF REMOVAL SPECIAL
 (TO BE PERFORMED AFTER 2\"/>

MAINLINE SCHEDULE									
LOCATION MILE MARKERS			CENTERLINE REPAIR HMA SURF REM SPECIAL	HOT-MIX ASPH. SURF. REM 2''*	POLY. HOT-MIX ASPH. SURF. MIX E N105**	POLY. BIT MATL PR CT	AGG PR CT	MIX FOR CR, JTS, & FLANGEWAYS	LEVEL BINDER (HM)
	WIDTH	LENGTH	SQ YD	SQ YD	TON	GAL	TON	TON	TON
EB LANE (DL & PL)									
1405+64 TO 1434+06	26	2842	632	8526	1026	915.8	17.1	2.56	4.26
OMIT SN 006-0024									
1435+90 TO 1612+59	26	17669	3926	53007	6377	5693.3	106.0	15.90	26.50
OMIT SN 006-0026									
1615+51 TO 1757+53	26	14202	3156	42606	5125	4576.2	85.2	12.78	21.30
OMIT SN 006-0028									
1759+87 TO 1761+14	26	127	28	381	46	40.9	0.8	0.11	0.19
OMIT SN 006-0030									
1763+72 TO 1803+19	26	3947	877	11841	1424	1271.8	23.7	3.55	5.92
WB LANE (DL&PL)									
1405+64 TO 1434+74	26	2910	647	8730	1050	937.7	17.5	2.62	4.37
OMIT SN 006-0025									
1435+58 TO 1612+12	26	17654	3923	52962	6371	5688.5	105.9	15.89	26.48
OMIT SN 006-0027									
1615+51 TO 1757+52	26	14201	3156	42603	5125	4575.9	85.2	12.78	21.30
OMIT SN 006-0029									
1759+88 TO 1761+26	26	138	31	414	50	44.5	0.8	0.12	0.21
OMIT SN 006-0031									
1763+86 TO 1803+19	26	3933	874	11799	1419	1267.3	23.6	3.54	5.90
TOTAL		77623	17250	232869	28013	25011.9	465.7	69.86	116.43

- * THIS ARE IS CALCULATED ON A 27' WIDTH SINCE THE TOP TWO INCHES IN THE HMA SURFACE REMOVAL, SPECIAL AREA (1' WIDTH) IS TO BE REMILLED-SEE TYPICAL SECTIONS
- **THIS ARE INCULDES QUANTITY FOR THE HMA SURF REMOVAL, SPECIAL AREA

PAVEMENT MARKING SCHEDULE							
LOCATION STATION TO STATION		URETHANE PVMT PVT MK LINE 4''	URETHANE PVMT PVT MK LINE 6''	RAISED REFLEC PVT MK	RAISED REFLEC PVT MK REMO	SHORT-TERM PVMT. MARK.	WORK-ZONE PVMT. MARK. REM.
	LENGTH	FOOT	FOOT	EACH	EACH	FOOT	SQ FT
EB LANE							
1405+64 TO 1803+19	39755	79510	9939	994	1988	3976	1312
WB LANE							
1405+64 TO 1803+19	39755	79510	9939	994	1988	3976	1312
TOTAL	79510	159020	19878	1988	3976	7951	2624

SHOULDER REPAIR*		
LOCATION MILE MARKERS	HMA SURF. REM 5''	HMA SHLD 5''
	SQ YD	TON
VARIOUS LOCATIONS	600	600
TOTAL	600	600

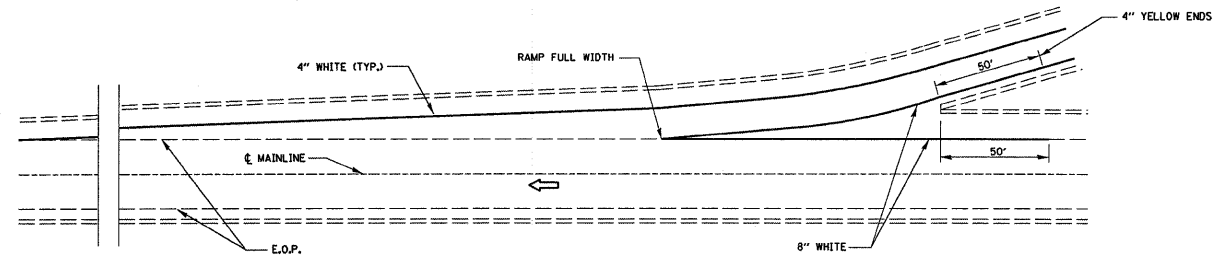
- * THIS ITEM IS A CONTINGENCY ITEM TO REPAIR HMA SHOULDER DUE TO TRAFFIC DAMAGE TO SHOULDER DURING PAVING OF MAINLINE

FILE NAME =	USER NAME = brabogpo	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwork\pwsdot\brabogpo\d0123877\d386954--sht-cover.dgn	DRAWN - ---	REVISED - ---	80			(06-6-11)	BUREAU	8	5	
PLOT SCALE = 50.0000' / IN.	CHECKED - ---	REVISED - ---	CONTRACT NO. 66954							
PLOT DATE = Feb 03, 2009 - 02:21:01 PM	DATE - ---	REVISED - ---	ILLINOIS FED. AID PROJECT							
SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____										

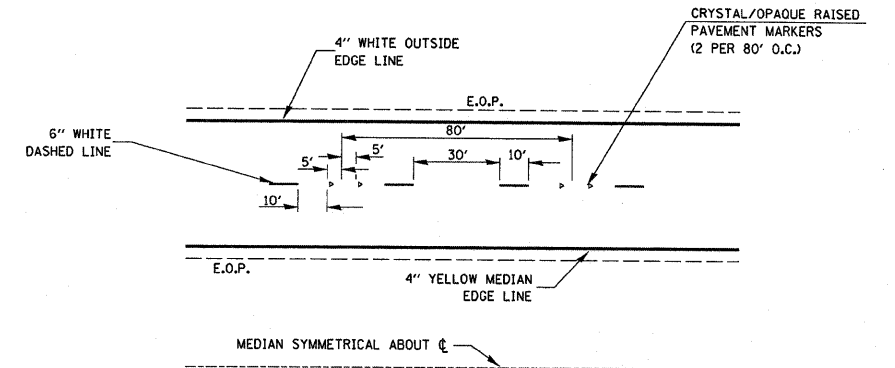
**CLASS B PATCHING 17" SCHEDULE
I-80**

LOCATION (LOG MILE)	DIRECTION (WB/EB)	LENGTH	CL B PATCH TY II SQ YD		CL B PATCH TY III SQ YD		CL B PATCH TY IV SQ YD		DOWEL BARS EACH	SAW CUTS FOOT	PAVEMENT FABRIC SQ YD	TIE BARS EACH PL
			PL	DL	PL	DL	PL	DL				
68.92	WB	8		11					20	52		
68.88	WB	8		11					20	52		
68.87	WB	8	11						20	52		
68.80	WB	10		13					20	56		
68.50	WB	21						28	20	78	28	11
68.22	WB	8		11					20	52		
68.05	WB	25						33	20	86	33	13
67.90	WB	8		11					20	52		
67.60	WB	8		11					20	52		
67.61	WB	8		11					20	52		
67.30	WB	8	11						20	52		
67.30	WB	8		11					20	52		
67.05	WB	8		11					20	52		
67.04	WB	24						32	20	84	32	12
67.03	WB	10		13					20	56		
67.02	WB	10		13					20	56		
66.95	WB	41						55	20	118	55	21
66.90	WB	26						35	20	88	35	13
66.88	WB	13					17		20	62	17	
66.81	WB	8	11						20	52		
66.70	WB	17			23				20	70	23	
66.70	WB	18				24			20	72	24	
66.65	WB	8		11					20	52		
66.55	WB	33						44	20	102	44	17
66.40	WB	8		11					20	52		
66.35	WB	15				20			20	66	20	
66.22	WB	9		12					20	54		
66.20	WB	8	11						20	52		
66.01	WB	8		11					20	52		
65.97	WB	46						61	20	128	61	23
65.91	WB	9		12					20	54		
65.70	WB	9		12					20	54		
65.70	WB	9	12						20	54		
65.60	WB	16				21			20	68	21	
65.50	WB	22						29	20	80	29	11
65.35	WB	19						25	20	74	25	
65.32	WB	23						31	20	82	31	12
65.10	WB	9	12						20	54		
65.10	WB	9		12					20	54		
64.90	WB	21						28	20	78	28	11
64.88	WB	8	11						20	52	28	
62.99	WB	16				21			20	68	21	
62.50	WB	11				15			20	58	15	
62.05	WB	23						31	20	82	31	13
61.60	WB	8		11					20	52		
61.60	WB	8	11						20	52		
68.92	EB	8		11					20	52		
68.88	EB	8		11					20	52		
68.87	EB	8	11						20	52		
68.50	EB	10		13					20	56		
68.22	EB	21						28	20	78	28	11
68.05	EB	8		11					20	52		
67.90	EB	25						33	20	86	33	13
67.60	EB	8		11					20	52		
67.61	EB	8		11					20	52		
67.30	EB	8	11						20	52		
67.30	EB	8		11					20	52		
67.05	EB	8		11					20	52		
67.04	EB	24						32	20	84	32	12
67.03	EB	10		13					20	56		
67.02	EB	10		13					20	56		
66.95	EB	41						55	20	118	55	22
66.90	EB	26						35	20	88	35	13
66.88	EB	13					17		20	62	17	
66.81	EB	8	11						20	52		
66.70	EB	17			23				20	70	23	
66.70	EB	18				24			20	72	24	
66.65	EB	8		11					20	52		
66.55	EB	33						44	20	102	44	17
66.40	EB	8		11					20	52		
66.35	EB	15				20			20	66	20	
66.22	EB	9		12					20	54		
66.20	EB	8	11						20	52		
66.01	EB	8		11					20	52		
65.97	EB	46						61	20	128	61	23
65.91	EB	9		12					20	54		
65.70	EB	9		12					20	54		
65.70	EB	9	12						20	54		
65.60	EB	16				21			20	68	21	
65.50	EB	22						29	20	80	29	11
65.35	EB	19						25	20	74	25	
65.32	EB	23						31	20	82	31	13
65.10	EB	9	12						20	54		
65.10	EB	9		12					20	54		
64.90	EB	21						28	20	78	28	12
64.88	EB	8	11						20	52	28	
62.99	EB	16				21			20	68	21	
62.50	EB	11				15			20	58	15	
62.05	EB	23						31	20	82	31	12
61.60	EB	8		11					20	52		
61.60	EB	8	11						20	52		
SUBTOTALS			180	416	46	236	168	696	1800	5840	1125	316
TOTALS			596		282		864		1800	5840	1125	316

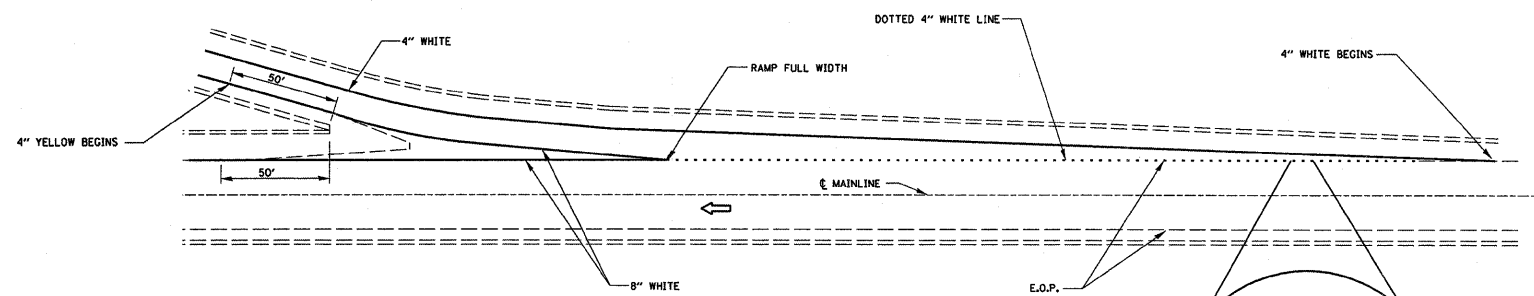
TRAFFIC CROSS OVERS			
LOCATION			HMA SC MIX "D" N105
STA	TYPE	SQ YD	TONS
1406+00	TRAFFIC CROSS-OVER	3000	378.0
1497+00	MAINTENANCE CROSS-OVER	200	25.2
1650+00	MAINTENANCE CROSS-OVER	200	25.2
1800+00	TRAFFIC CROSS-OVER	3000	378.0
TOTAL			806.4



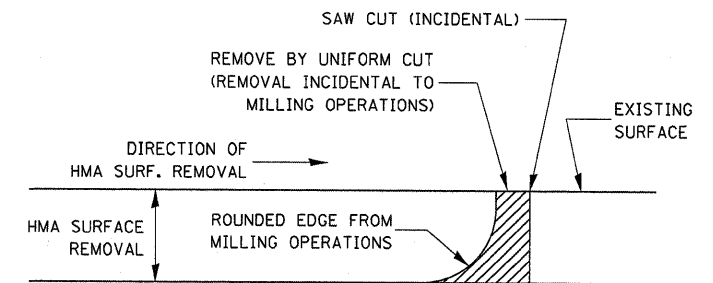
TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS



TYPICAL PAVEMENT MARKINGS



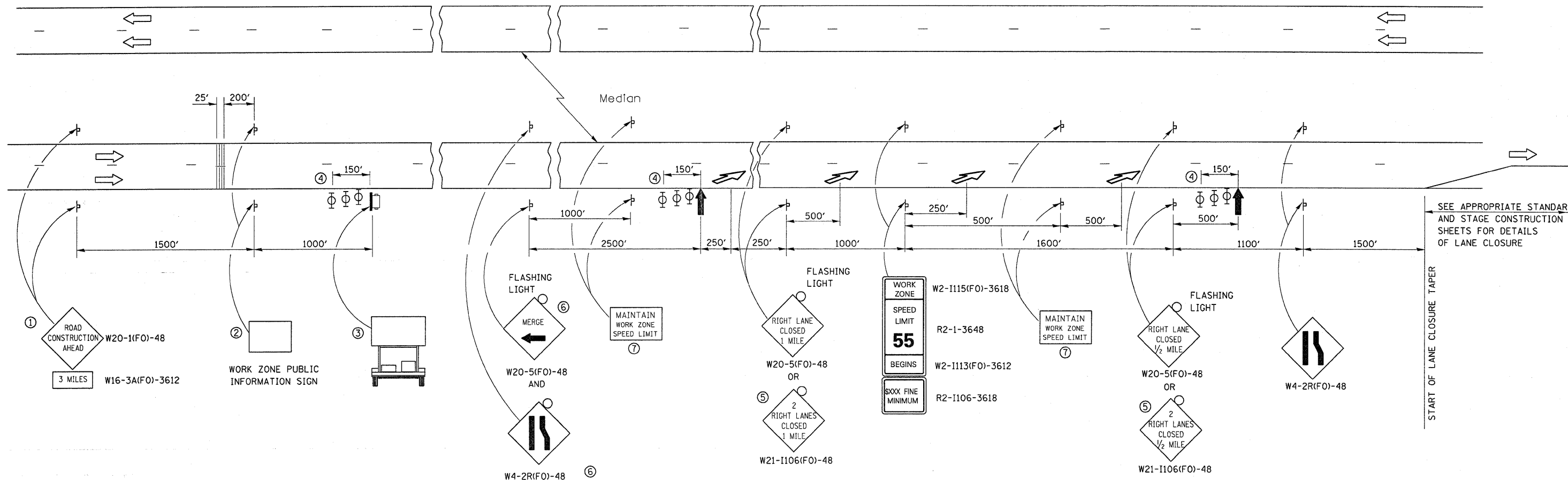
TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS



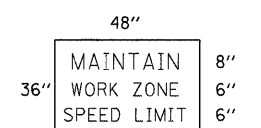
NOTE:
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
 THEN A SAW CUT SHALL BE USED TO MANUFACTURE
 A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
 THE ENGINEER SHALL BE THE SOLE JUDGE
 CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS







FILE NAME =	USER NAME = braboypc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F-A,1	SECTION	COUNTY	TOTAL	SHEET	
ci\pw_work\pwr\dot\braboypc\d0123877\d366954--sht-cover.dgn	PLT SCALE = 50,0000 ' / IN.	DRAWN -	REVISED -			80	(06-6.71)	BUREAU	8	7	
PLT DATE = Feb 03, 2009 - 02:21:14 PM	DATE -	CHECKED -	REVISED -			CONTRACT NO. 66954					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



SEE APPROPRIATE STANDARD AND STAGE CONSTRUCTION SHEETS FOR DETAILS OF LANE CLOSURE



⑦ 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS.

-  ARROW BOARD
-  PORTABLE CHANGEABLE MESSAGE SIGN
-  SIGN
-  TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
-  LANE DROP ARROW - SEE STANDARD 780001
-  TEMPORARY THERMOPLASTIC RUMBLE STRIPS

- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:
"RIGHT LANE CLOSED" / " x MILES AHEAD"
"LEFT LANE CLOSED" / " x MILES AHEAD"
"ALL LANES OPEN"
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 50' CENTERS.
- ⑤ THIS SIGN SHALL BE USED WHEN 2 LANES ARE CLOSED.
- ⑥ WHEN THE LEFT LANE IS CLOSED, SWITCH THESE TWO SIGNS AND THE DIRECTION OF THE MERGE ARROW.

GENERAL NOTE:

THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = braboypc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STANDARD 701400 (SPECIAL)			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cd\pwwork\pwwork\braboypc\d0123877\d36954--aht-cover.dgn		DRAWN -	REVISED -		SCALE: _____	SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____	8Q	106-6.71	BUREAU	8	8
PLOT SCALE = 50,0000' / IN.		CHECKED -	REVISED -					CONTRACT NO. 66954				
PLOT DATE = Feb 03, 2009 - 02:21:28 PM		DATE -	REVISED -					FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				