

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4)I-2	LIVINGSTON	6	1
		ILLINOIS	CONTRACT NO. 66F82	

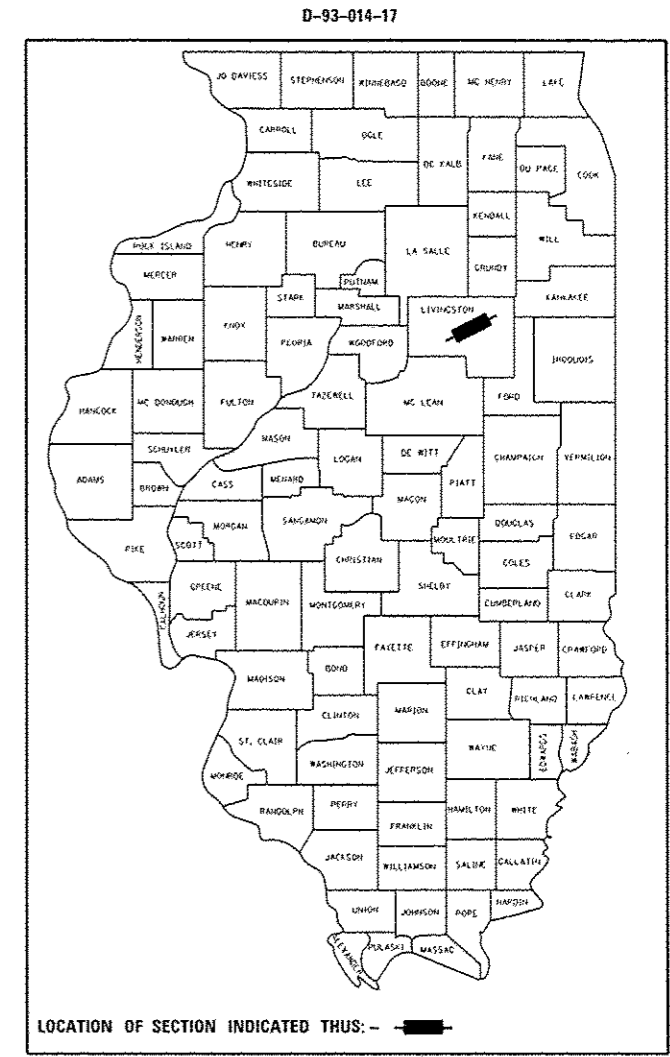
- 1 COVER SHEET AND STANDARDS
- 2 GENERAL NOTES AND SUMMARY OF QUANTITIES
- 3 TYPICAL SECTIONS
- 4 SCHEDULE OF QUANTITIES
- 5-6 DETAILS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701400-08	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-09	LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-05	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

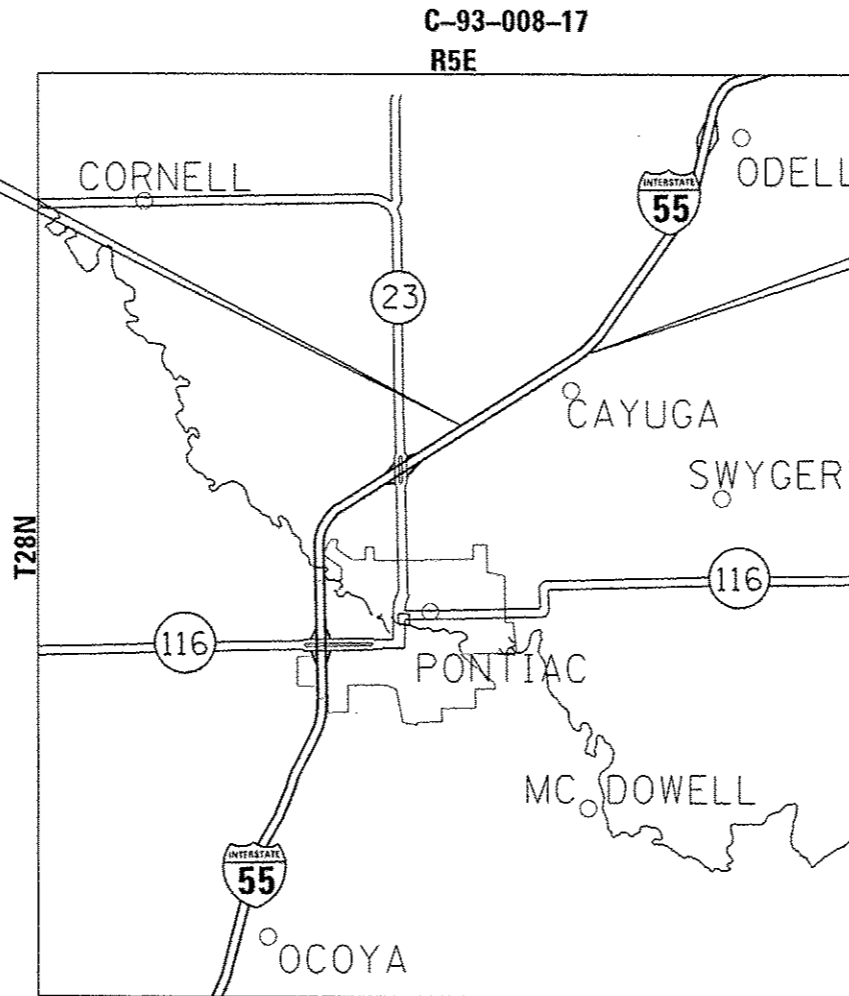
PROPOSED HIGHWAY PLANS

**FAI ROUTE 55 (I-55)
SECTION (53-4)I-2
PROJECT
TYPE of IMPROVEMENT PARTIAL LANE RESURFACING
LIVINGSTON COUNTY**

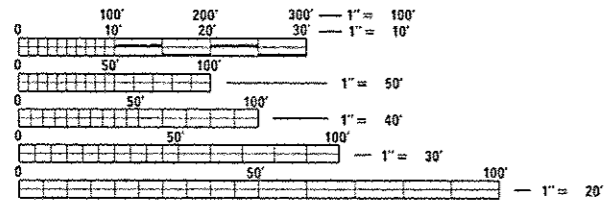


BEGIN IMPROVEMENT
MM 202.0 NBL & SBL

END IMPROVEMENT
MM 204.0 SBL
MM 204.5 NBL



GROSS LENGTH = NET LENGTH = 13,200 FT. = 2.5 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 DAVE ALEXANDER, P.E.
UNIT CHIEF PATRICK BRABOY, P.E.

CONTRACT NO. 66F82

INTERSTATE (URBAN)
2015 ADT = 20,900
PV = 68.1% SU = 5.6% MU = 26.3%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 8-16 2016
[Signature]
REGIONAL ENGINEER

Aug 12 2016
Maureen M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Aug 12 2016
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

GENERAL NOTES

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 WILL 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:

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.

COMMITMENTS:

NONE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION: _____

INSPECTORS: _____

CONSTR. CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	
				0005	URBAN
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	10692	10692	
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	3105	3105	
67100100	MOBILIZATION	LSUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1320	1320	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	792	792	
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	23760	23760	
X0326880	MESSAGE BOARD VEHICLE DRIVER	HOUR	160	160	
X0326907	PORTABLE, VEHICLE MOUNTED, CHANGEABLE MESSAGE SIGN	CAL MO	2	2	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	15840	15840	
X7010410	SPEED DISPLAY TRAILER	CAL MO	2	2	
X7010805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	LSUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	42	42	

* Specialty Item

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Tom Benoit
DISTRICT STUDIES & PLANS ENGINEER

DATE: August 16, 2016

EXAMINED BY: David J. Phillips
DISTRICT CONSTRUCTION ENGINEER

Wayne J. Phillips
DISTRICT MATERIALS ENGINEER

Tom H. Haggard
DISTRICT OPERATIONS ENGINEER

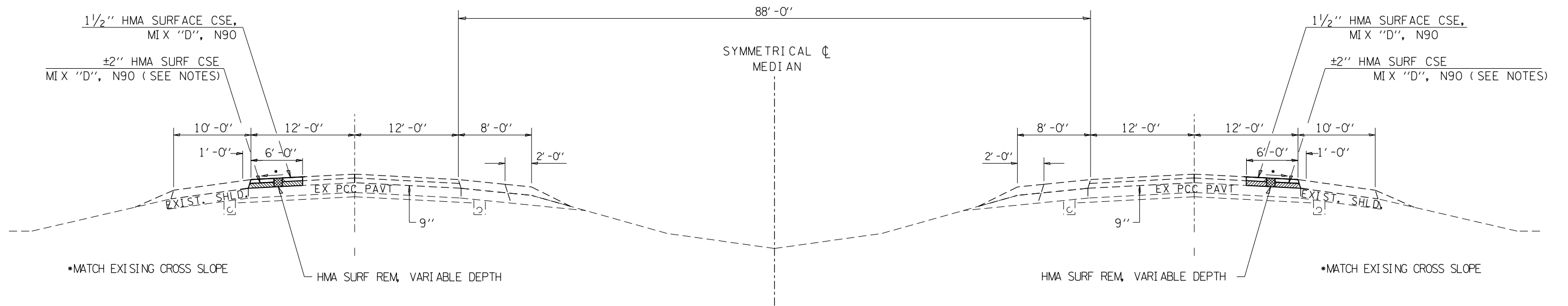
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES &
SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	153-411-2	LIVINGSTON	6	2
CONTRACT NO. 66F82			ILLINOIS FED. AID PROJECT	

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

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***sheet details.dgn		DRAWN: _____	REVISED: _____
PLOT SCALE: 100.0000 / 1"		CHECKED: _____	REVISED: _____
PLOT DATE: 8/16/2016		DATE: _____	REVISED: _____



NOTES:

CONTRACTOR TO MILL DOWN TO BARE CONCRETE. EXISTING HMA THICKNESS VARIES FROM 2.75" TO 3.5". AVERAGE HMA REMOVAL ASSUMED TO BE APPROXIMATELY 3.25". PROPOSED SURFACE SHALL BE PLACED IN 2 LIFTS, ALLOWING 1.5" FOR THE TOP LIFT.

TYPICAL SECTION

LOOKING NORTH
 Mile Marker 202 to Mile Marker 204
 Southbound and Mile Marker 202 to
 Mile Marker 204.5 Northbound

HMA MIXTURE REQUIREMENT TABLE	
LOCATION(S):	ENTIRE PROJECT
MIXTURE USE(S):	HMA SURFACE COURSE
BINDER GRADE (PG):	PG64-22
DESIGN AIR VOIDS:	4.0% @ N90
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5 MM
FRICTION AGGREGATE:	MIXTURE D
MIXTURE WEIGHT:	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	OQOA
SUBLOT SIZE:	N/A
DENSITY TEST METHOD:	CORES/CORRELATION

FILE NAME =	USER NAME = braboypc	DESIGNED -	REVISED -
ct:\pw\work\p1dot4\braboypc\10486656\03xxxx-sht-details.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 8/16/2016		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

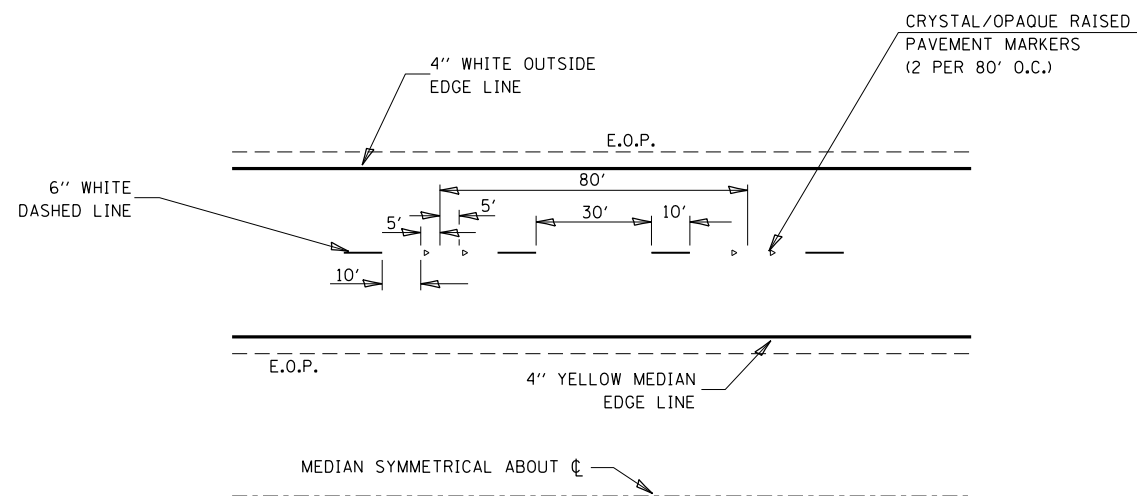
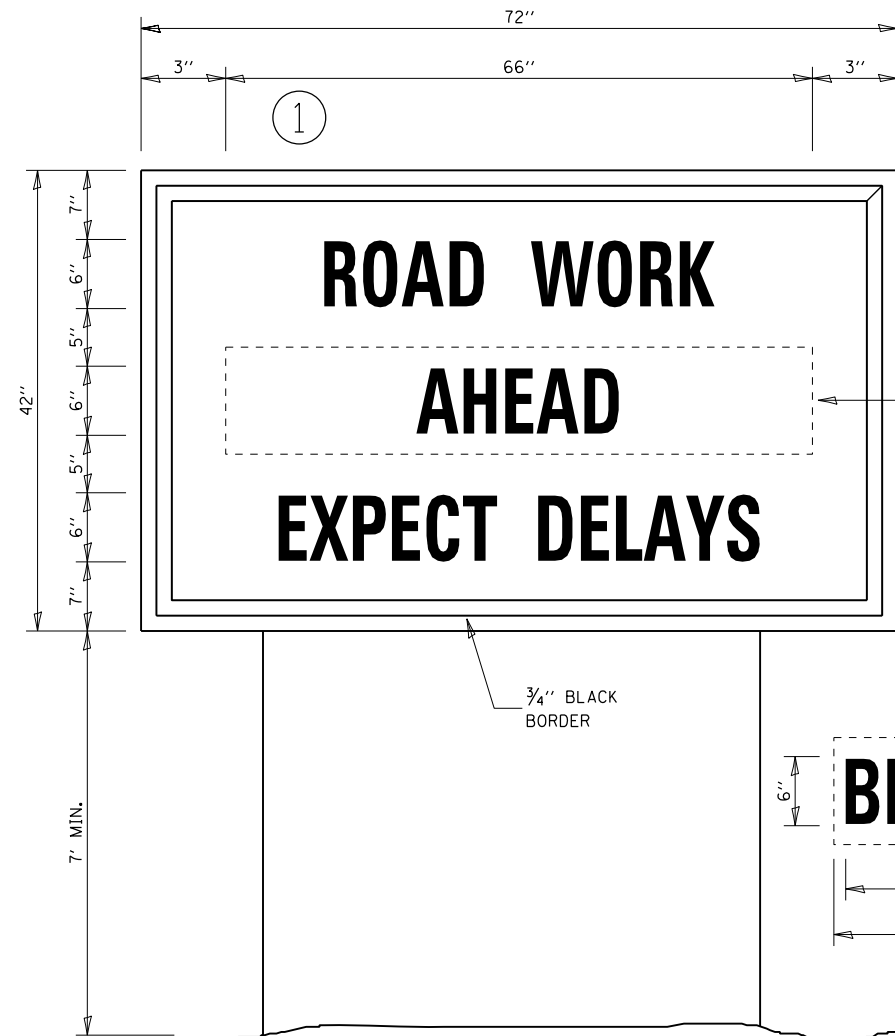
TYPICAL SECTION
 SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.I. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-41)-2	LIVINGSTON	6	3
CONTRACT NO. 66F82			ILLINOIS FED. AID PROJECT	

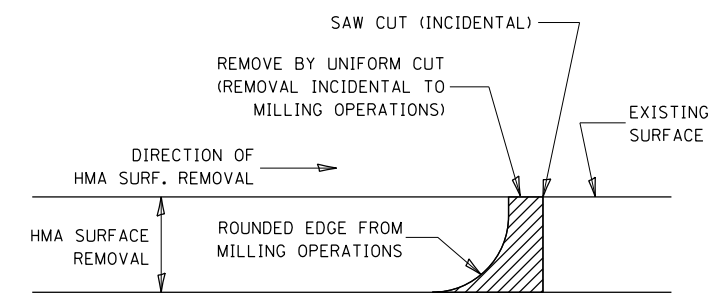
MAINLINE				
LOCATIONS MILE MARKERS	LENGTH	HMA SURF SURF REM., VAR. DEPTH	BIT MAT TACK COAT	HMA SURF CSE, MIX D, N90
		SQ YD	POUND	TON
SOUTHBOUND DRIVING LANE MM 202.0 TO MM 204.0	10560	7040	4752	1380
NORTHBOUND DRIVING LANE MM 202.0 TO MM 204.5	13200	8800	5940	1725
TOTALS		15840	10692	3105

PAVEMENT MARKING				
LOCATIONS MILE MARKERS	LENGTH	POLYUREA	SHORT TERM PVT MK*	SHORT TERM PVT MK REMOVAL
		PVT MK- LINE 4" FOOT	FOOT	SQ FT
SOUTHBOUND DRIVING LANE MM 202.0 TO MM 204.0	10560	10560	1056	352
NORTHBOUND DRIVING LANE MM 202.0 TO MM 204.5	13200	13200	1320	440
TOTALS		23760	1320	792

•PLACE A 10' DIAGONAL LINE IN 10' SHOULDER EVERY 100'



TYPICAL PAVEMENT MARKINGS



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

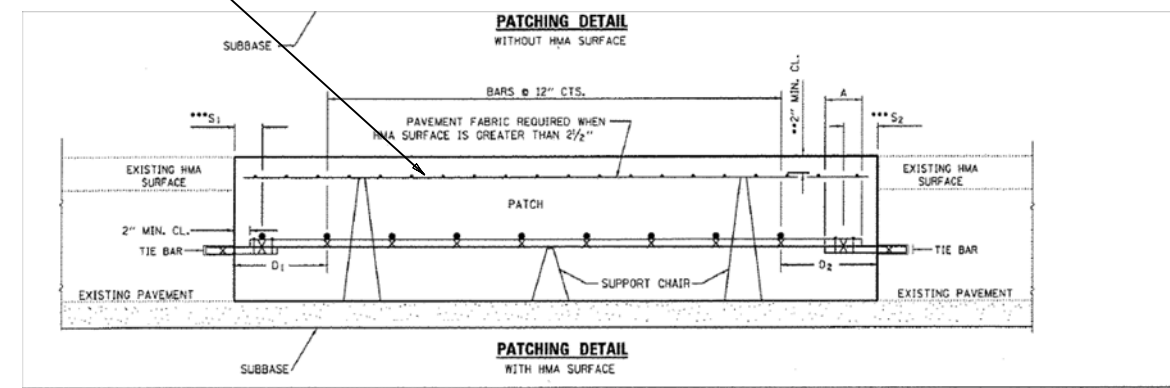
HMA DETAIL AT BUTT JOINTS

TEMPORARY INFORMATION SIGNING

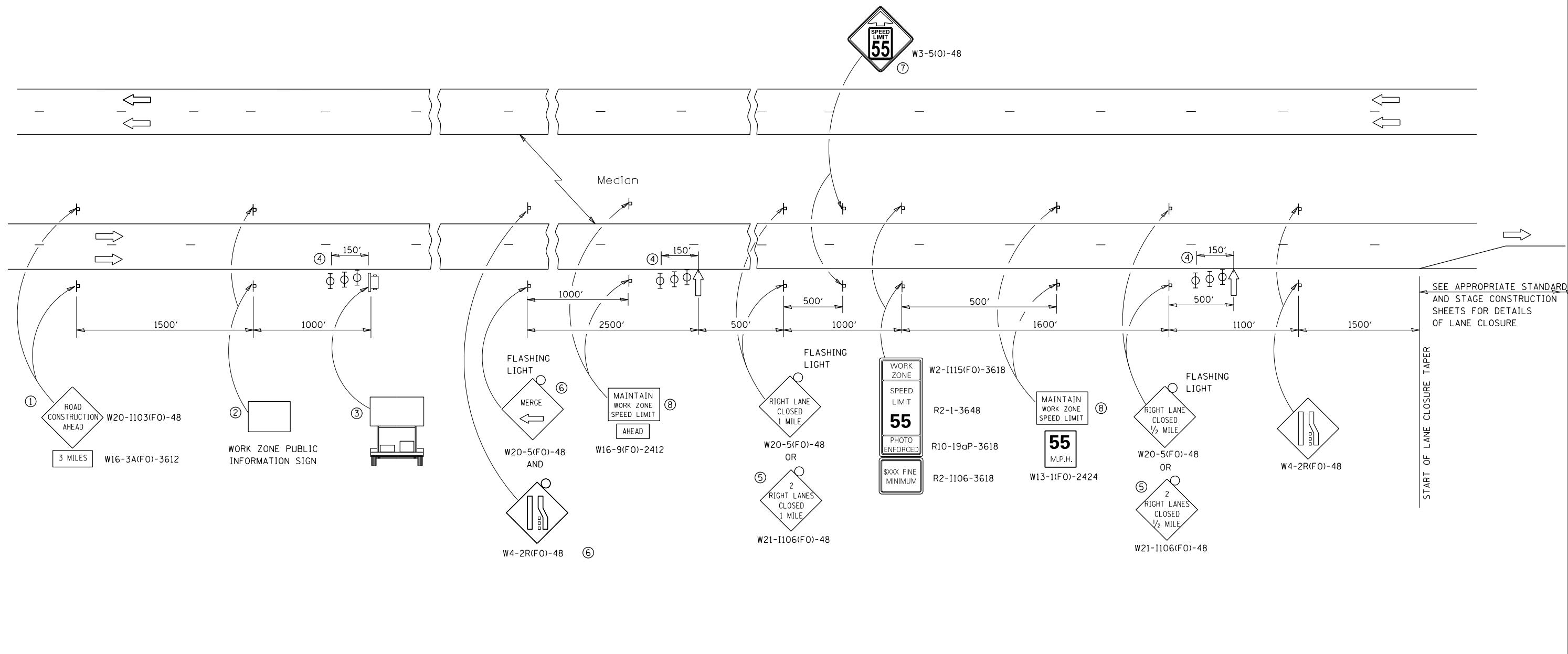
NOTES:

- USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
- ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
- ERECT SIGN (1) WITH INSTALLED PANEL (2) A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
- REMOVE PANEL (2) ON THAT DATE.
- SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL (2) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

STEEL MESH TO BE MILLED THROUGH

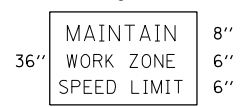


**EXISTING HMA PATCHING DETAIL FOR INFORMATION ONLY
DETAIL SHOWING STEEL MESH THAT WILL BE ENCOUNTERED DURING MILLING. SEE SPECIAL PROVISION ENTITLED "HMA SURF REMOVAL, VARIABLE DEPTH"**



- 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.
- ⑦ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.

⑧ 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS, 48"



- ↑ ARROW BOARD
- PORTABLE CHANGEABLE MESSAGE SIGN
- ⊥ SIGN
- ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT

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	TRAFFIC CONTROL AND PROTECTION, 701400 (SPECIAL) AND 701401 (SPECIAL)	F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\braboypc\0486656\03xxxx-sht-details.dgn	DRAWN -	REVISED -	55			(53-4)1-2	LIVINGSTON	6	6	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 66F82							
PLOT DATE = 8/16/2016	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							