

08-01-14 LETTING ITEM 076

INDEX OF SHEETS

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2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. TYPICAL SECTIONS
5. SCHEDULES
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STANDARDS

- |           |   |
|-----------|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS                            |
| 001006    | DECIMAL OF AN INCH AND OF A FOOT  |
| 406201-01 | MAILBOX TURNOUT   |
| 424001-07 | PERPENDICULAR CURB RAMPS  |
| 424006-01 | DIAGONAL CURB RAMPS   |
| 424011-01 | CORNER PARALLEL CURB RAMPS  |
| 701006-05 | OFF-RD OPERATIONS, 2L2W, 15' TO 24" FROM PAVEMENT EDGE                  |
| 701306-03 | LANE CLOSURE, 2L2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >45 MPH |
| 701901-03 | TRAFFIC CONTROL DEVICES   |
| 781001-03 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS                 |

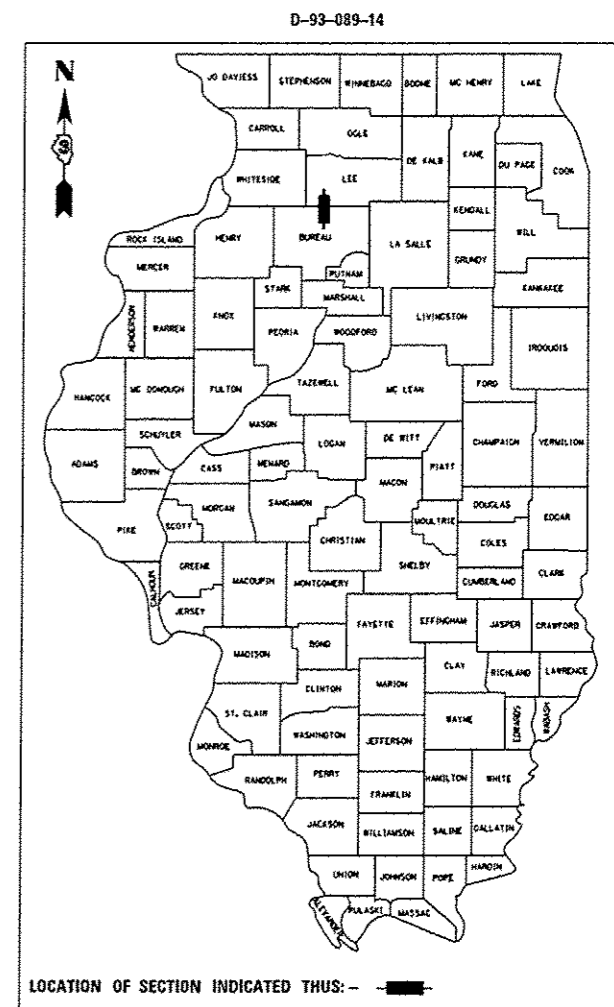
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 316 (IL 26)  
SECTION 114RS-5

3P RESURFACING  
BUREAU COUNTY

C-93-142-14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	114RS-5	BUREAU	7	1
		ILLINOIS	CONTRACT NO. 66E08	



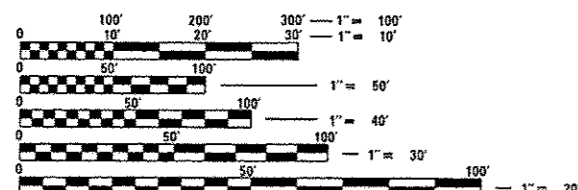
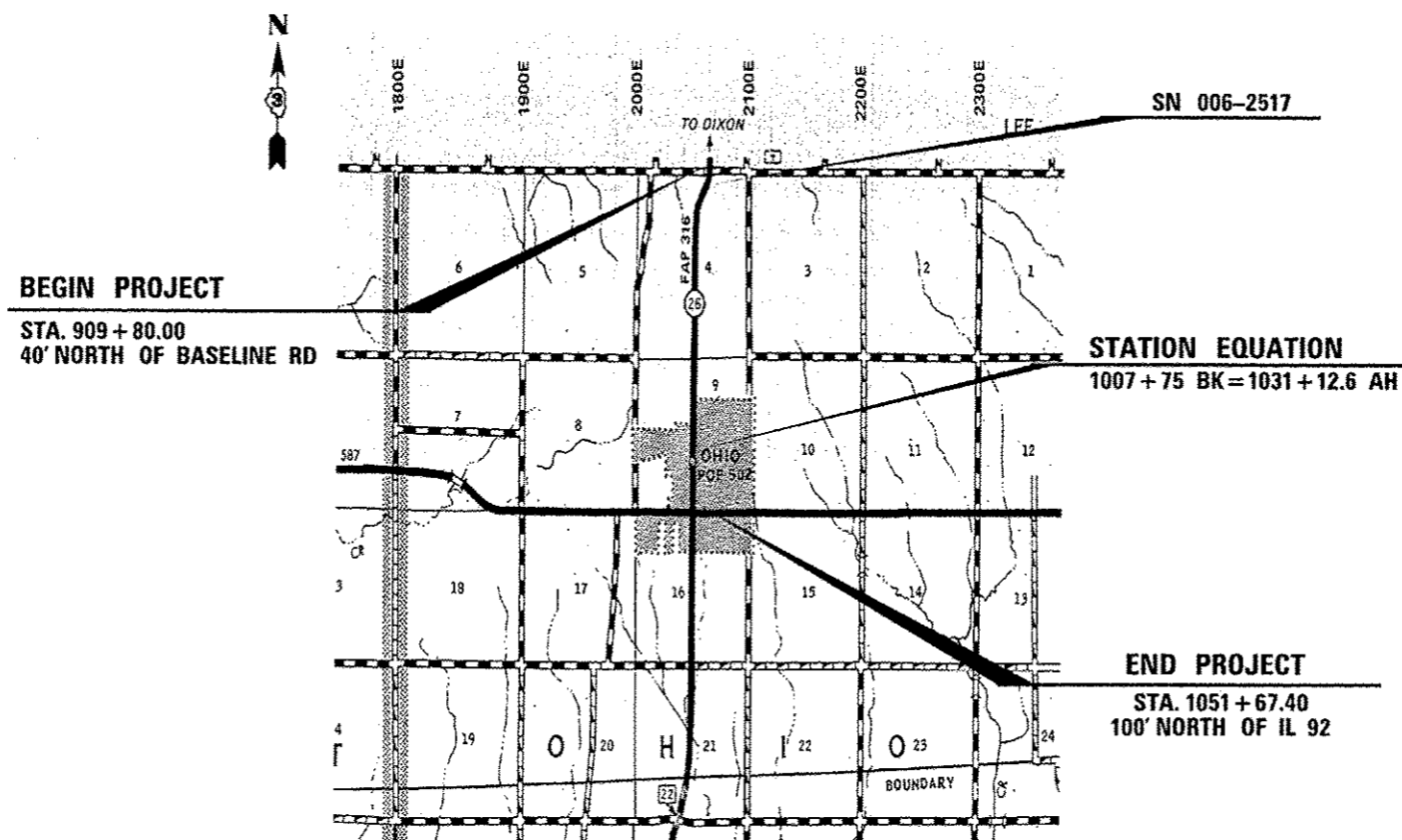
**FUNCTIONAL CLASSIFICATION**  
**RURAL OTHER ARTERIAL**  
2014 ADT = 2200  
P.V. = 84.32%    S.U. = 5.45%    M.U. = 10.23%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *June 16, 2014*  
*Paul Coetzee, P.E.*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*June 27, 2014*  
*John D. Baranzoni, P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

*June 27, 2014*  
*Omer Osman, P.E.*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



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

DISTRICT 3 NO. (815) 434-6131  
PROJECT ENGINEER: JOE KANNEL, P.E.  
UNIT CHIEF: SCOTT A. FERGUSON, P.E.  
CONTRACT NO. 66E08

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OF THE STATE OF ILLINOIS**

**GENERAL NOTES**

PLAN DIMENSIONS RELATIVE TO THE EXISTING ROADWAY HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

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 CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE LEFT ON, OR INCORPORATED WITHIN, THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

EXCAVATED MATERIALS SHALL BE DISPOSED OF AT LOCATIONS DIRECTED BY THE ENGINEER. ANY SUCH DISPOSAL SHALL NOT CREATE AND UNSIGHTLY OR OBJECTIONABLE APPEARANCE OR DETRACT FROM THE NATURAL TOPOGRAPHIC FEATURES WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

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

HMA RESURFACING	112	LBS / SQ YD / IN
MIX FOR CRACKS, JTS, & FLOWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD

DATE: June 6, 2014

PREPARED BY: *Don Bevil*  
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: *Cherbad*  
DISTRICT CONSTRUCTION ENGINEER

*My 1 Kelly*  
DISTRICT MATERIALS ENGINEER

*Paul A. Kueker*  
DISTRICT OPERATIONS ENGINEER

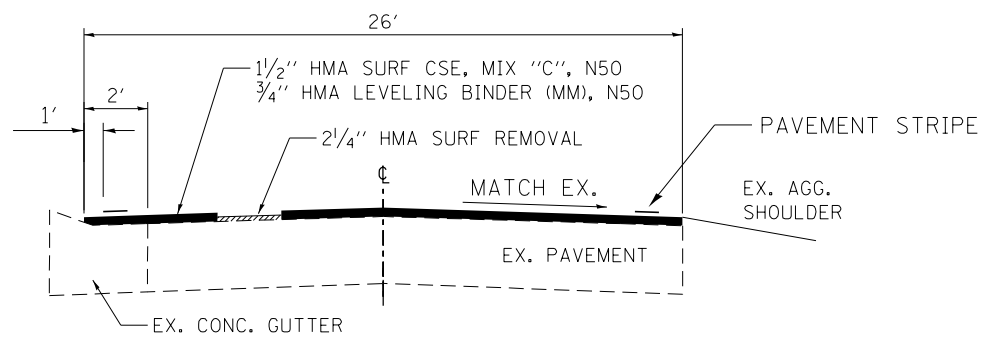
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S:\Everyone\Brian Smith\114 26 Ohio\03xxxx\ac.dgn	DRAWN -	REVISED -	316			114RS-5	BUREAU	7	2	
#MODELNAME#	PLLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 66E08				
	PLLOT DATE = 6/6/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____										

1001400

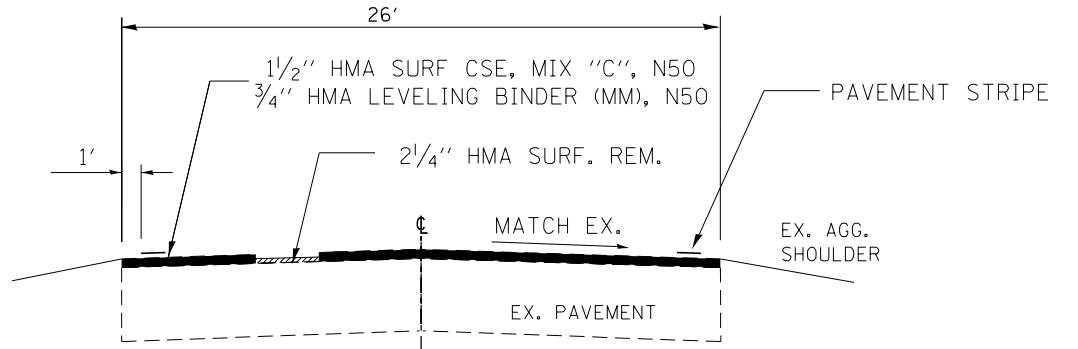
CODE NO.	ITEM	UNIT	CONSTR. CODE
			100% STATE ROADWAY 0005 RURAL
25200110	SODDING, SALT TOLERANT	SQ YD	14
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10.3
40600990	TEMPORARY RAMP	SQ YD	44
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	2876
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4' INCH	SQ FT	610
42400800	DETECTABLE WARNINGS	SQ FT	120
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	34233
44000600	SIDEWALK REMOVAL	SQ FT	610
67100100	MOBILIZATION	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	EACH	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3555
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1185
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	23700
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	3323
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	720
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	148
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	23107
40600527	LEVELING BINDER (HAND METHOD), IL-9.5 FG, N50	TON	17.1
4060027	LEVELING BINDER (MACHINE METHOD), IL-9.5 FG, N50	TON	1438
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42

\*Specialty Items

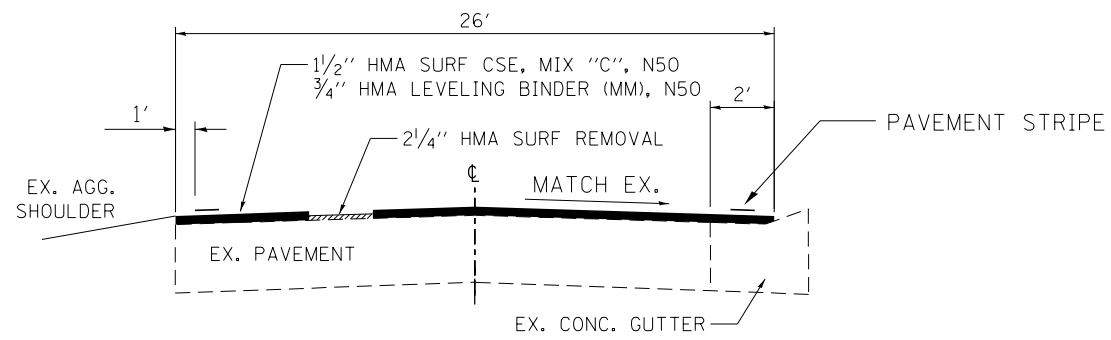
FILE NAME #	USER NAME # smthbd	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SmEveryone\Brian Smith\IL 26 Ohio\03	****.dgn	DRAWN - _____	REVISED - _____				316	114RS-5	BUREAU	7	3
PLOT SCALE = 100,000' / 1"	CHECKED - _____	REVISED - _____	SCALE: _____		SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 66E08	
PLOT DATE = 6/6/2014	DATE - _____	REVISED - _____	ILLINOIS FED. AID PROJECT								



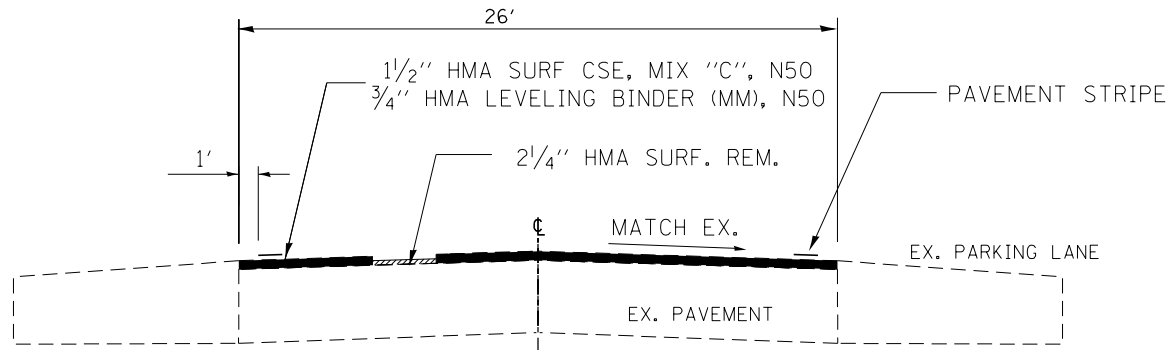
**PROPOSED TYPICAL SECTION**  
 STA. 909+80.00 TO STA. 916+50.00



**PROPOSED TYPICAL SECTION**  
 STA. 916+50.00 TO STA. 921+00.00  
 STA. 931+00.00 TO STA. 1007+75.00



**PROPOSED TYPICAL SECTION**  
 STA. 921+00.00 TO STA. 931+00.00



**PROPOSED TYPICAL SECTION**  
 STA. 1031+12.60 TO STA. 1051+67.40

	HMA LEVEL BINDER	HMA SURFACE
PG GRADE	PG64-22	PG64-22
DESIGN AIR	4.0% @	4.0% @
VOIDS	N50	N50
MIXTURE COMPOSITION	IL 9.5 FG	IL 9.5
FRICTION AGGREGATE		MIXTURE C
DENSITY CONTROL METHOD	CORES	CORES

**IL 26 PAVEMENT SCHEDULE**

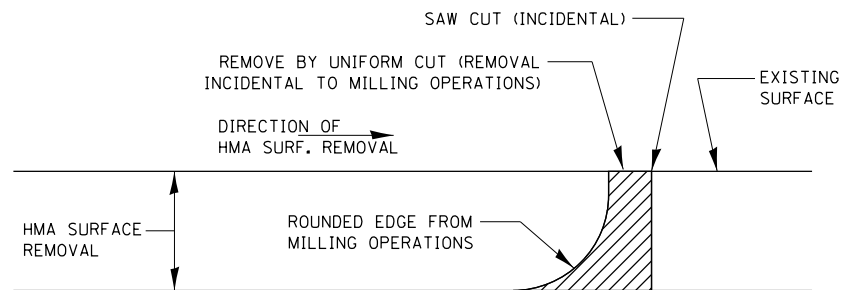
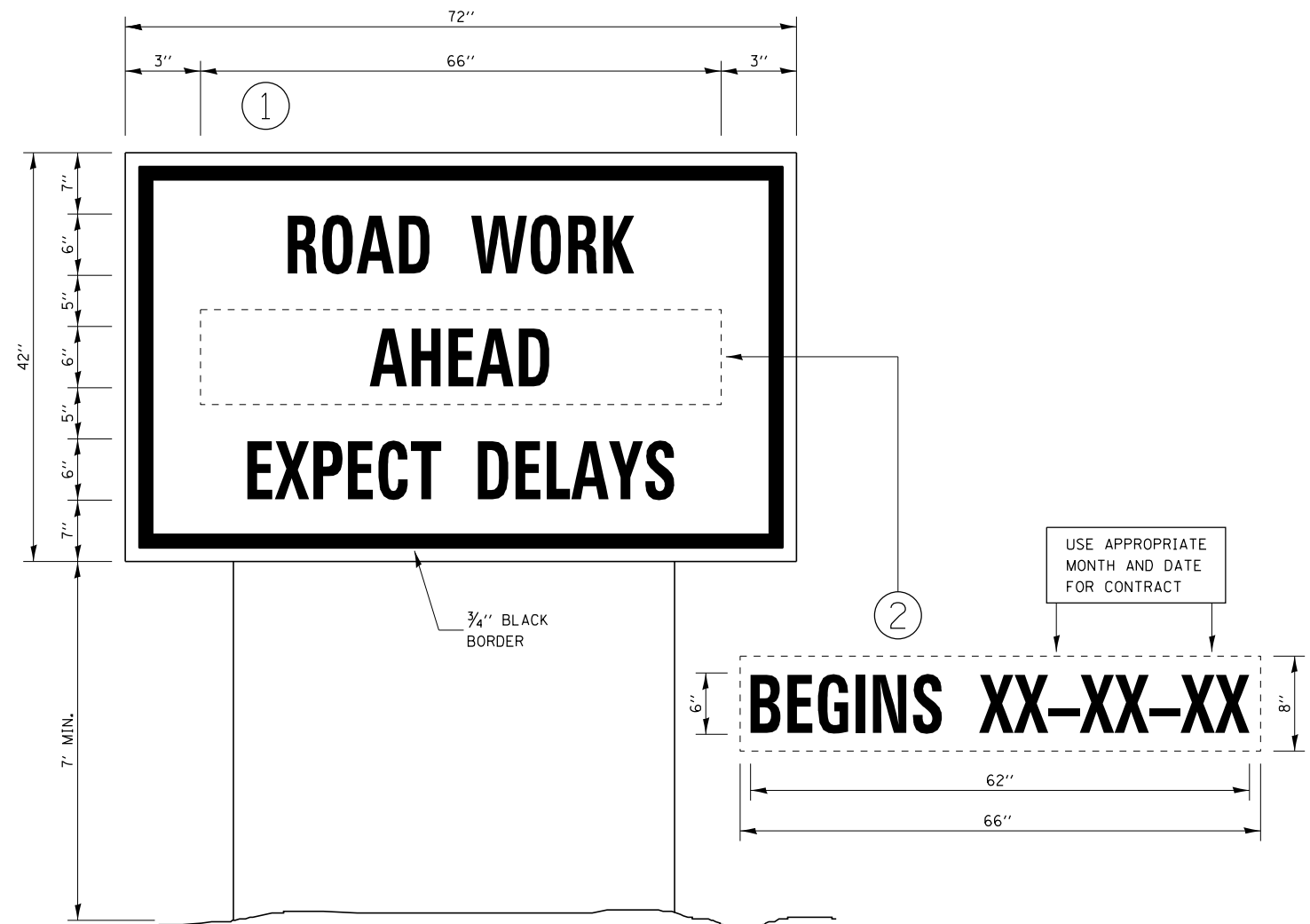
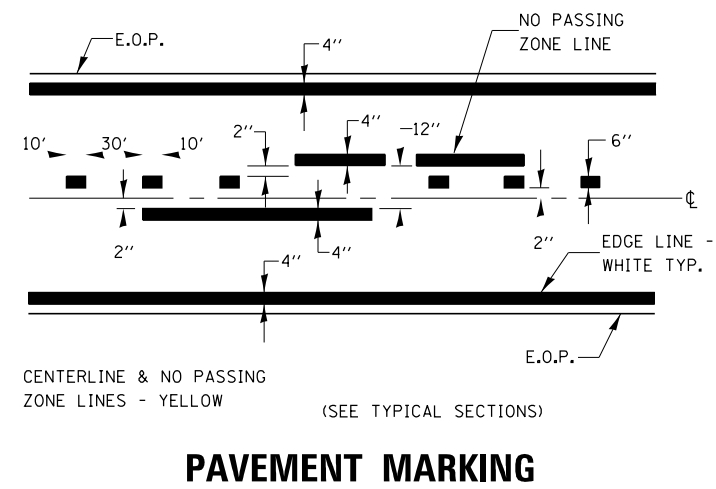
			PVMT	LEVELING	HMA	TEMP.	RRPM	HMA	LEVELING	MIX FOR	BIT
			WIDTH	BINDER (MM)	SURF. CSE.	RAMP	EACH	SURF. REM.	BINDER (HM)	CRACKS, JTS	PRIME
			IL 9.5 FG, N50	IL 9.5 FG, N50	IL 9.5 N50			2 1/4"	IL 9.5 FG, N50	FLGWYS	COAT
			LENGTH	TON	TON	SQ YD	EACH	SQ YD	TON	TON	LBS
START PROJECT	909+80 (40' NORTH OF BASELINE RD) TO 1007+75	9795	26	1188.5	2377	22	122	28296.7	14.1	8.5	19100
STA. EQUATION	1007+75 BK = 1031+12.6 AH										
END PROJECT	1031+12.6 TO 1051+67.4 (100' NORTH OF IL 92)	2054.8	26	249.3	499	22	26	5936.1	3.0	1.8	4007
GRAND TOTAL		11849.8		1438	2876	44	148	34233	17.1	10.3	23107

**IL 26 PAVEMENT MARKING SCHEDULE**

			POLYUREA	POLYUREA	POLYUREA	SHORT-TERM	TEMPORARY
			PVT MRK TY	PVT MRK TY	PVT MRK TY	PAVEMENT	PVT. MARK.
			4" LINE	6" LINE	12" LINE	MARKING	REMOVAL
			FOOT	FOOT	FOOT	FOOT	SQ FT
START PROJECT	909+80 (40' NORTH OF BASELINE RD) TO 1007+75	9795	19590	2449		2939	980
STA. EQUATION	1007+75 BK = 1031+12.6 AH						
END PROJECT	1031+12.6 TO 1051+67.4 (100' NORTH OF IL 92)	2054.8	4110	514		616	205
	RAILROAD ST SOUTH CROSSWALK			120	240		
	VAN BUREN ST SOUTH CROSSWALK			120	240		
	JACKSON ST NORTH CROSSWALK			120	240		
GRAND TOTAL		11849.8	23700	3323	720	3555	1185

**IL 26 SIDEWALK SCHEDULE**

	SIDEWALK	DETECTABLE	PCC	SODDING,
	REMOVAL	WARNING	SIDEWALK 4"	SALT
	SQ FT	SQ FT	SQ FT	TOLERANT
LOCATION	SQ FT	SQ FT	SQ FT	SQ YD
RAILROAD ST SW QUAD	90	10	90	1
RAILROAD ST SE QUAD	50	10	50	
VAN BUREN ST NE QUAD	50	10	50	
VAN BUREN ST SE QUAD	50	10	50	1
JACKSON ST NW QUAD	90	10	90	1
JACKSON ST SW QUAD	30	10	30	2
JACKSON ST NE QUAD	90	10	90	1
JACKSON ST SE QUAD	30	10	30	2
CHURCH ST NW QUAD	40	10	40	2
CHURCH ST SW QUAD	30	10	30	2
CHURCH ST NE QUAD	30	10	30	
CHURCH ST SE QUAD	30	10	30	2
	610	120	610	14



**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

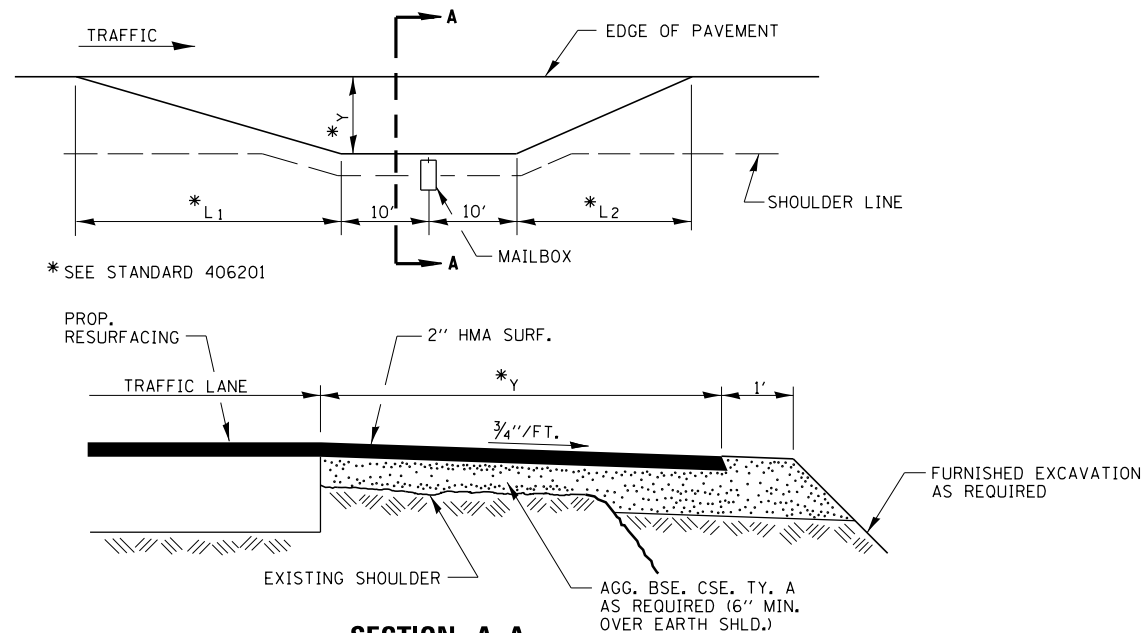
**HMA DETAIL AT BUTT JOINTS**

**TEMPORARY INFORMATION SIGNING**

**NOTES:**

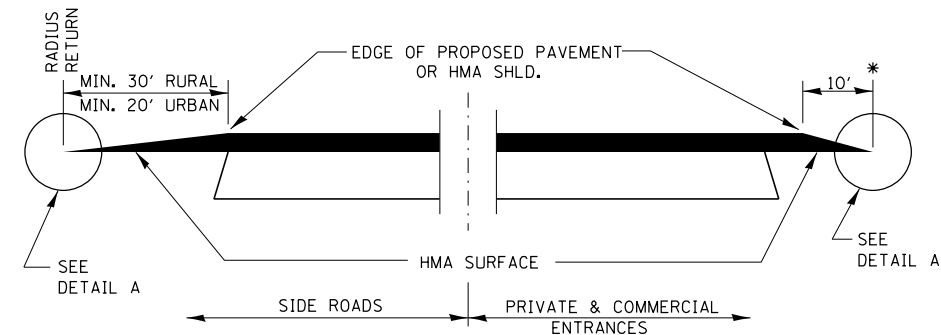
- USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
- ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
- ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
- REMOVE PANEL ② ON THAT DATE.
- SEE 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.

FILE NAME =	USER NAME = smthbd	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Everyone\Brian Smith\11 26 Ohio\03xxxx-xsc.dgn	DRAWN - _____	REVISED - _____	316				114RS-5	BUREAU	7	6	
#MODELNAME#	PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____		SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 66E08		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 6/6/2014	DATE - _____	REVISED - _____								



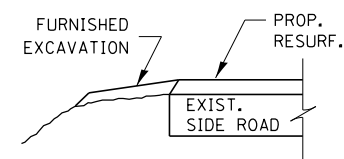
**SECTION A-A**

**RURAL MAILBOX TURNOUT DETAILS**



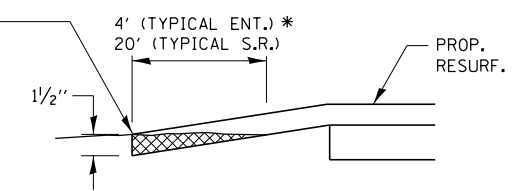
**SECTION A-A**

**DETAILS AT ENTRANCES & SIDE ROADS**

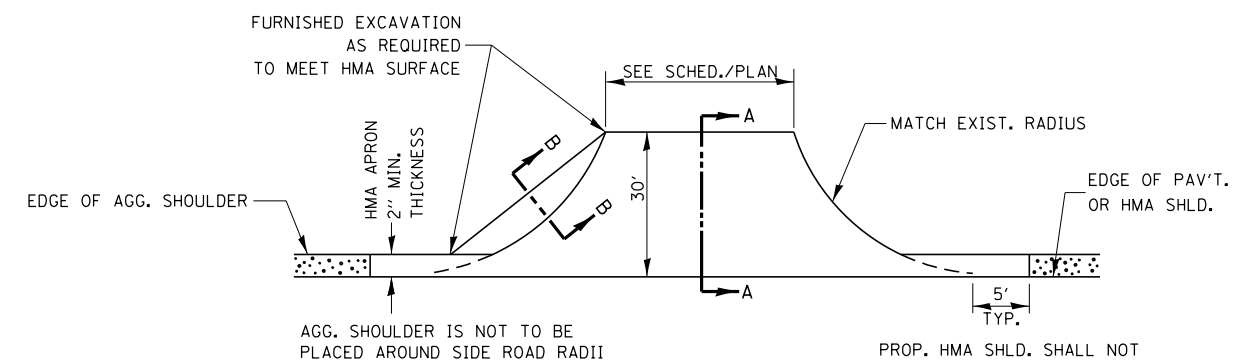


**SECTION B-B**

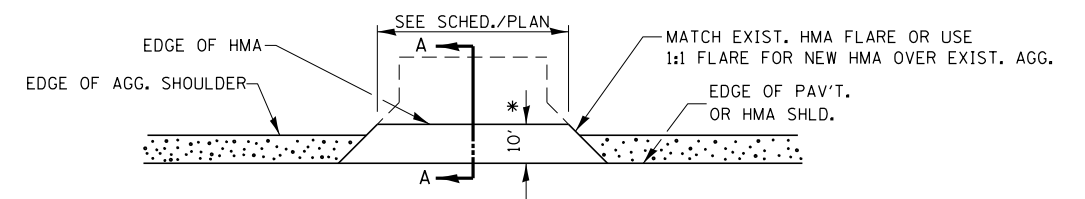
THE COST OF REMOVAL AT EXISTING HMA OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. YD. BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.



**DETAIL A**



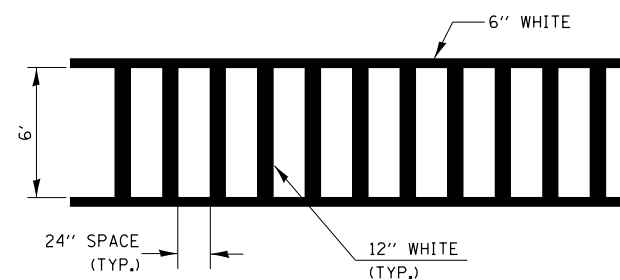
**PLAN AT SIDE ROADS**



**PLAN AT PRIVATE & COMMERCIAL ENTRANCES**

(DO NOT RESURFACE FIELD ENTRANCES)

\* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.



**SPACING DETAIL FOR CROSSWALKS**

FILE NAME =	USER NAME = smthbd	DESIGNED - _____	REVISED - _____
S:\Everyone\Brian Smith\11 26 Ohio\03xxxx-xsc.dgn		DRAWN - _____	REVISED - _____
	PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____
#MODELNAME#	PLOT DATE = 6/6/2014	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS</b>	
SCALE: _____	SHEET _____ OF _____ SHEETS
STA. _____	TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	114R5-5	BUREAU	7	7
CONTRACT NO. 66E08			ILLINOIS FED. AID PROJECT	