

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(22)RS-6&I-2	BUREAU	7	1
ILLINOIS		CONTRACT NO. 66D83		

1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. TYPICAL SECTIONS
5. SCHEDULES
- 6-7. DETAILS

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

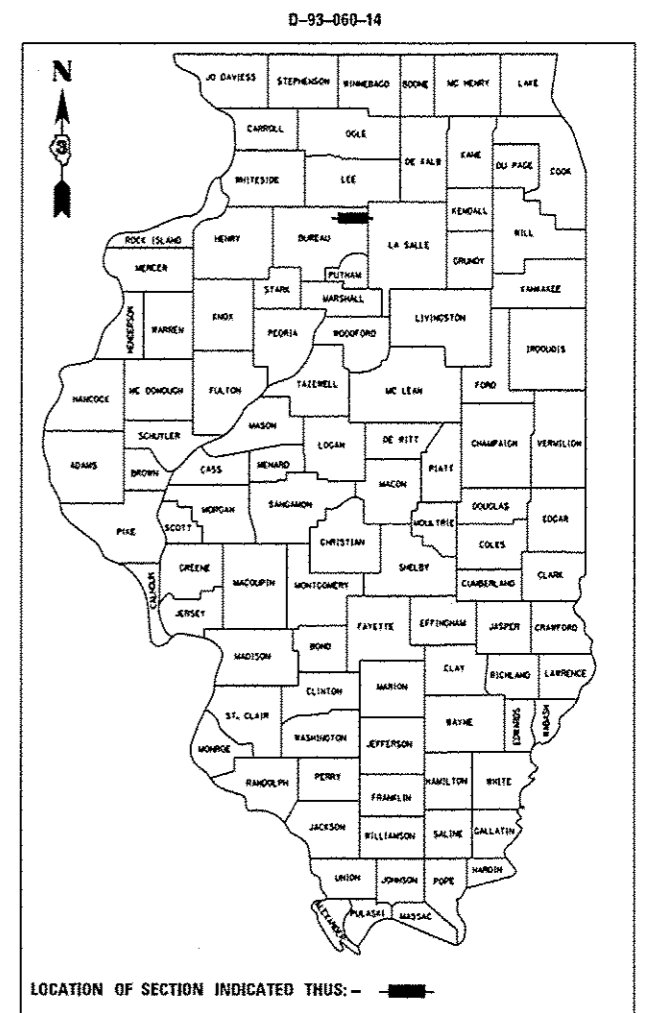
PROPOSED HIGHWAY PLANS

FAP ROUTE 587 (US 34)
SECTION (22)RS-6&I-2
PROJECT ACHSIP-0587(020)
SAFETY IMPROVEMENT
BUREAU COUNTY

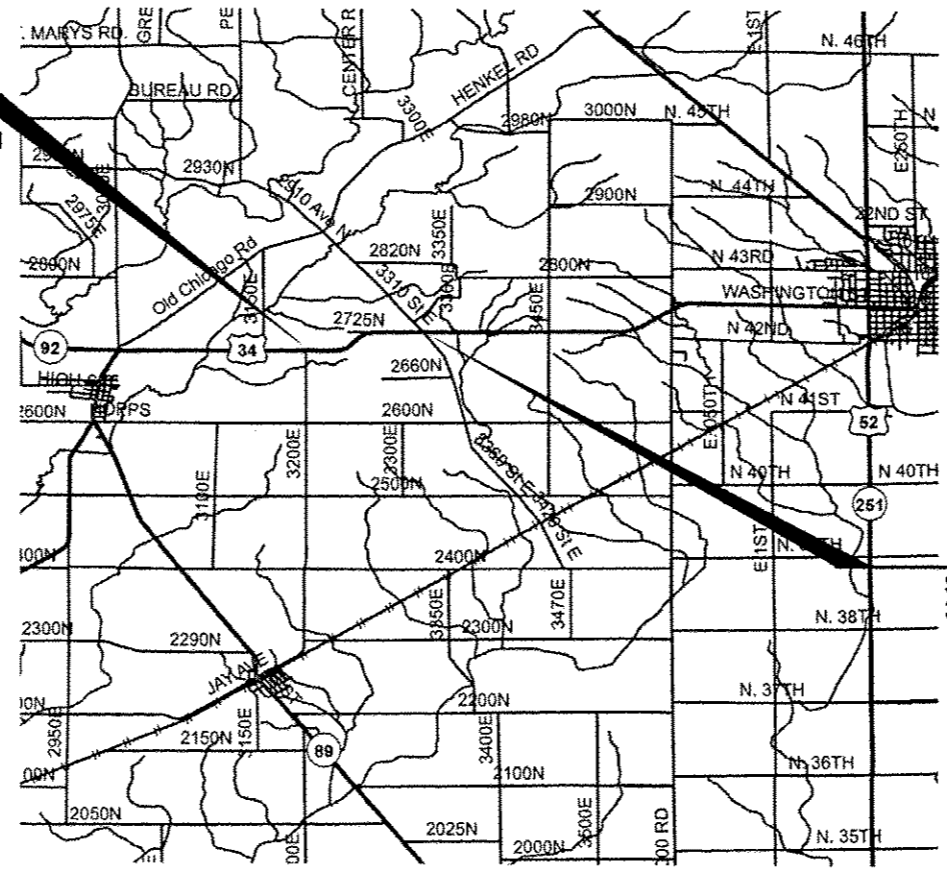
C-93-112-14

STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 635001-01 DELINEATORS
- 642006 SHOULDER RUMBLE STRIPS, 8 IN.
- 701306-03 LANE CLOSURE, 2L2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >45 MPH
- 701326-04 LANE CLOSURE, 2L2W, PAVEMENT WIDENING, FOR SPEEDS >45 MPH
- 701901-03 TRAFFIC CONTROL DEVICES
- 720011-01 METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS
- 780001-04 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

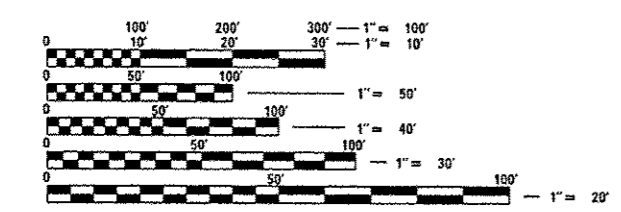


BEGIN PROJECT
STA. 907 + 50.0
3200E RD EAST RADIUS RETURN



END PROJECT
STA. 976 + 15.0
3320E RD WEST RADIUS RETURN

FUNCTIONAL CLASSIFICATION
RURAL ARTERIAL
2014 ADT = 2000
P.V. = 76.75% S.U. = 17.75% M.U. = 5.50%



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Mar 28 20 14
Paul Leste DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 9 20 14
John D. Baranzelli ENGINEER OF DESIGN AND ENVIRONMENT
May 9 20 14
Osman DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

DISTRICT 3 NO. (815) 434-6131
PROJECT ENGINEER: JOE KANNEL, P.E.
UNIT CHIEF: SCOTT A. FERGUSON
CONTRACT NO. 66D83

GROSS LENGTH = 6,865.0 FT. = 1.30 MILES
NET LENGTH = 6,865.0 FT. = 1.30 MILES

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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
SHORT-TERM PAVEMENT MARKING	4	FT / 40 FT OF APPLICATION

BITUMINOUS MATERIALS (PRIME COAT) RATES	
TYPE OF SURFACE TO BE PRIMED	RESIDUAL ASPHALT RATE LB/SQ FT (KG/SQ M)
AGGREGATE BASE	0.25
MILLED HMA, AGED NON-MILLED HMA, MILLED CONCRETE, NON-MILLED CONCRETE & TINED CONCRETE	0.05
FOG COAT BETWEEN HMA LIFTS, IL-4.75 & BRICK	0.025

DATE: 3-28-14

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

EXAMINED BY: *Harold Perry*
DISTRICT CONSTRUCTION ENGINEER

Jim P. [Signature]
DISTRICT MATERIALS ENGINEER

James A. [Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = sm11hbd	DESIGNED -	REVISED -
S:\Everyone\Brian Smith\US 34 LeMotte\	3xxxxx-xso.dgn	DRAWN -	REVISED -
#MODELNAME#	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/29/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

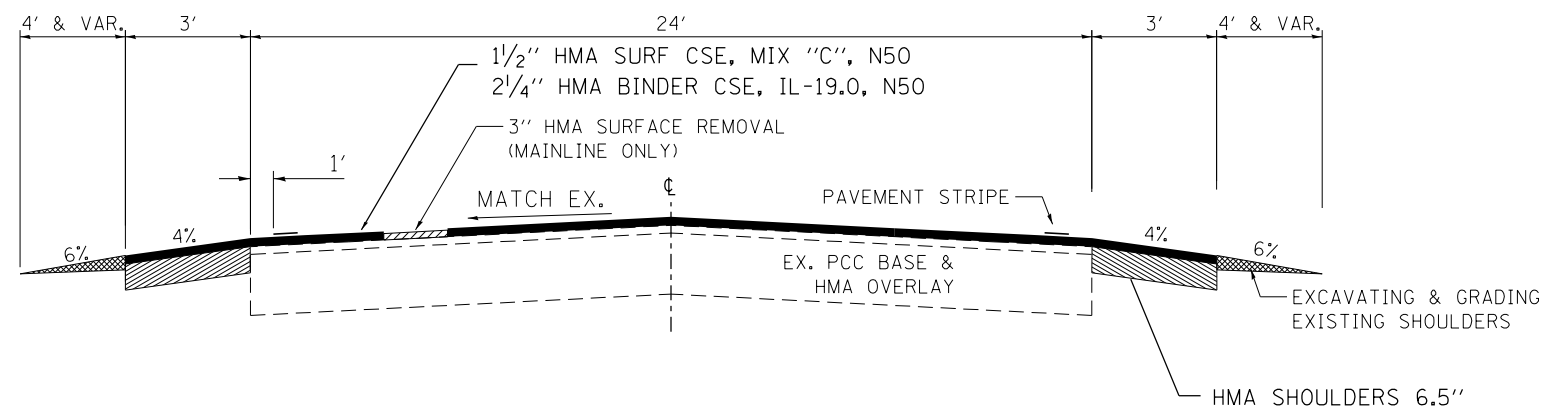
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(22)RS-6&1-2	BUREAU	7	2
CONTRACT NO. 66083			ILLINOIS FED. AID PROJECT	

10/15/14

CODE NO.	ITEM	UNIT	CONSTR. CODE
			FED / STATE 90% / 10% ROADWAY 0021 RURAL
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	114
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	114
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	114
20200600	EXCAVATING & GRADING EXISTING SHOULDER	UNIT	138
20400800	FURNISHED EXCAVATION	CU YD	2
25000210	SEEDING, CLASS 2A	ACRE	1.27
25100115	MULCH, METHOD 2	ACRE	1.27
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	5.5
40600990	TEMPORARY RAMP	SQ YD	152
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2324
40603310	HOT-MIX ASPHALT SURFACE, MIX "C", N50	TON	1922
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	23
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	18307
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3420
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	4577
63500105	DELINEATORS	EACH	76
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	6865
67100100	MOBILIZATION	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2060
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	687
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	42670
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	2131
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	86
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	28
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	25933
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42

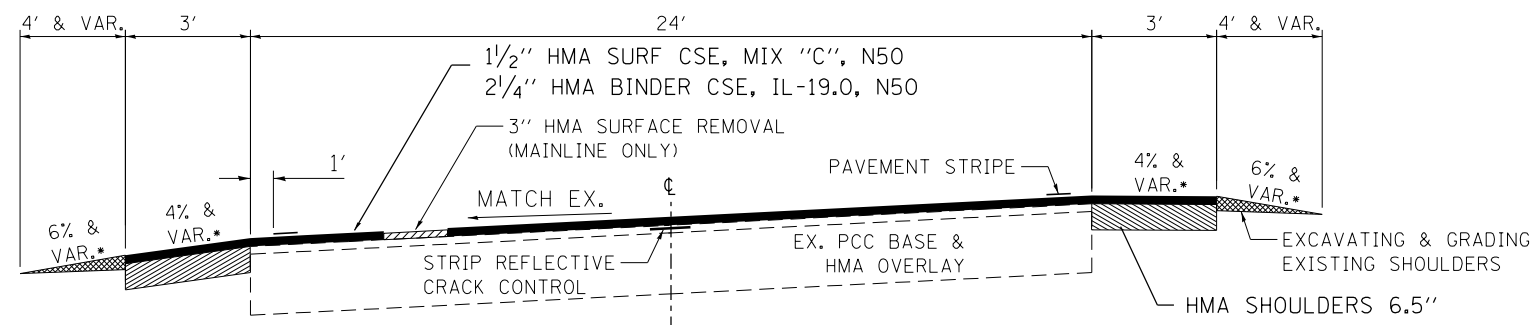
* Specialty Item

FILE NAME *	USER NAME * Ferguson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS	SHEET NO.
S:\Everyone\Ferguson, Scott\Safety Jobs	Safety 2014\02 Projects\June Curve Jobs\US	DRAWN	REVISED					587	(22)RS-6&1-2	BUREAU	7	3
PLOT SCALE * 100.0000 1/1 in.	CHECKED -	REVISED -	REVISED -		SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____			CONTRACT NO. 66083				
MODEL NAME *	PLOT DATE * 3/20/2014	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION

STA. 907+50.0 TO STA. 922+94.8
 STA. 933+00.0 TO STA. 939+61.8
 STA. 949+62.1 TO STA. 962+00.0



PROPOSED TYPICAL SECTION

STA. 922+94.8 TO STA. 933+00.0
 STA. 939+61.8 TO STA. 949+62.1
 STA. 962+00.0 TO STA. 976+15.0

*NOTE - WHERE SUPERELEVATION EXCEEDS 4%, SLOPE INSIDE SHOULDER TO MATCH MAINLINE PAVEMENT. THE HIGH SHOULDER ROLLOVER SHALL NOT EXCEED 8%. THE AGGREGATE SHOULDER SHOULD BE 2% STEEPER THAN THE ADJACENT PAVEMENT.

	HMA BINDER	HMA SURFACE	HMA SHOULDERS
PG GRADE	PG64-22	PG64-22	PG64-22
DESIGN AIR	4.0% @	4.0% @	4.0% @
VOIDS	N50	N50	N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 19.0 FG
FRICTION			
AGGREGATE		MIXTURE C	
DENSITY CONTROL METHOD	OCP CORES	OCP CORES	CORES

US 34 MAINLINE SCHEDULE

	LENGTH	EX. PVMT WIDTH	EX. PVMT AREA	PR. PVMT WIDTH	PR. PVMT AREA	EXC. & GRADE EX. SHOULDER	HMA SURF. REMOVAL 3"	MIX FOR CRACKS, JTS FLGWYS	BIT. PRIME COAT	TEMPORARY RAMP	HMA BINDER IL-19.0, N50	HMA SURFACE MIX "C", N50	HMA SHOULDERS 6 1/2"	SHOULDER RUMBLE STRIPS, 8"	STRIP REFLECTIVE CRACK CTRL.
		FOOT	SQ YD	FOOT	SQ YD	UNIT	SQ YD	TON	POUND	SQ YD	TON	TON	SQ YD	FOOT	FOOT
START PROJECT	907+50.0 (25' EAST OF 3200E RD) TO 922+94.8	1544.8	24	4119.5	30	5149.3	31	4119	1.2	5793	27	519	433	1030	1545
CURVE 1	922+94.8 TO 933+00.0	1005.2	24	2680.5	30	3350.7	20	2681	0.8	3770		338	281	670	1005
	933+00.0 TO 939+61.8	661.8	24	1764.8	30	2206.0	13	1765	0.5	2482		222	185	441	662
CURVE 2	939+61.8 TO 949+62.1	1000.3	24	2667.5	30	3334.3	20	2667	0.8	3751		336	280	667	1000
	949+62.1 TO 962+00.0	1237.9	25	3438.6	30	4126.3	25	3439	1.0	4642		433	347	825	1238
END PROJECT	962+00.0 TO 976+15.0 (25' WEST OF 3320E RD)	1415.0	24	3773.3	30	4716.7	28	3773	1.1	5306	27	475	396	943	1415
GRAND TOTAL							137	18444	5.5	25744	54	2324	1922	4577	6865

US 34 PAVEMENT MARKING SCHEDULE

	LOCATION	COMMENT	LENGTH	RRPM REMOVAL	RRPM	MODIFIED URETHANE 4" WHITE	MODIFIED URETHANE 4" YELLOW	MODIFIED URETHANE 6" YELLOW	SHORT-TERM PAVEMENT MARKING	TEMPORARY PVT. MARK. REMOVAL
				EACH	EACH	FOOT	FOOT	FOOT	FOOT	FOOT
START PROJECT	907+25 TO 908+00	DOUBLE NO PASS	50	0	1	100	200		15	5
	908+00 TO 911+25	WB NO PASS, EB PASS	325	1	4	650	650	163	98	33
	911+25 TO 915+00	SKIP-DASH	375	2	5	750		188	113	38
	915+00 TO 925+60	EB NO PASS, WB PASS	1060	4	13	2120	2120	530	318	106
	925+60 TO 951+40	DOUBLE NO PASS	2580	11	32	5160	5160		774	258
	951+40 TO 961+00	WB NO PASS, EB PASS	960	4	12	1920	1920	480	288	96
END PROJECT	961+00 TO 976+15	SKIP-DASH	1515	6	19	3030		770	455	152
GRAND TOTAL			6865	28	86	13730	10050	2131	2060	687

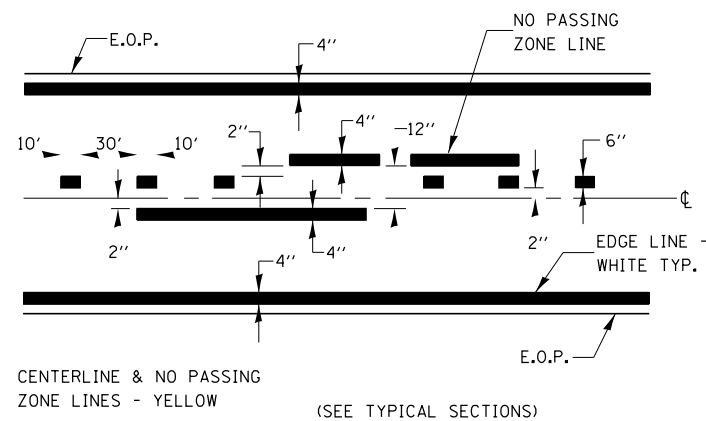
US 34 SIDEROADS & ENTRANCES SCHEDULE

LOCATION & DESCRIPTION	EXIST. MATL.	WIDTH	HMA SURF. REMOVAL 1 1/2"	INCIDENTAL HMA SURFACING	BIT. PRIME COAT	TEMPORARY RAMP	FURNISHED EXC. *
		FOOT	SQ YD	TON	LBS	SQ YD	CU YD
PE 927+10 RT	BIT	32	47	4	32	27	
MBTO 927+20 LT	BIT	20	41	3	28	17	
2725N AVE 948+30 LT	BIT	18	104	9	70	10	2
PE 959+80 RT	BIT	32	47	4	32	27	
MBTO 959+80 LT	BIT	20	41	3	28	17	
TOTALS			280	23	189	98	2

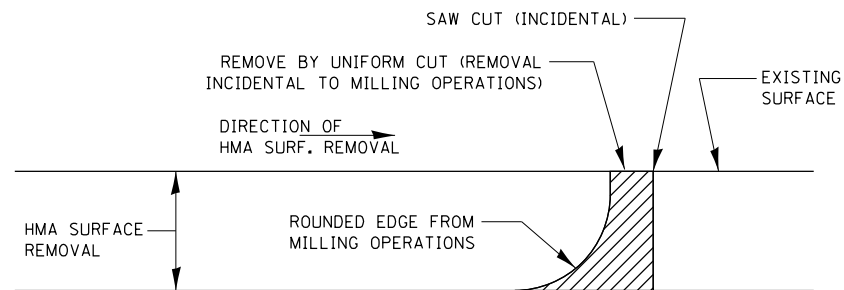
*NOTE - PLACE FURNISHED EXCAVATION AROUND SIDEROAD RADII. THIS AREA TO BE SEEDED, FERTILIZED, AND MULCHED. THIS WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF FURNISHED EXCAVATION.

US 34 DELINEATOR SCHEDULE

LOCATION	DISTANCE	SPACING	DELINEATORS
			EACH
907+25 TO 916+25 LT & RT	400	400	4
918+25 TO 922+25 LT & RT	400	200	6
923+25 TO 933+25 LT & RT	1000	100	22
935+25 TO 939+25 LT & RT	400	200	6
940+25 TO 950+25 LT & RT	1000	100	22
952+25 TO 956+25 LT & RT	400	200	6
960+25 TO 976+25 LT & RT	1600	400	10
TOTALS			76

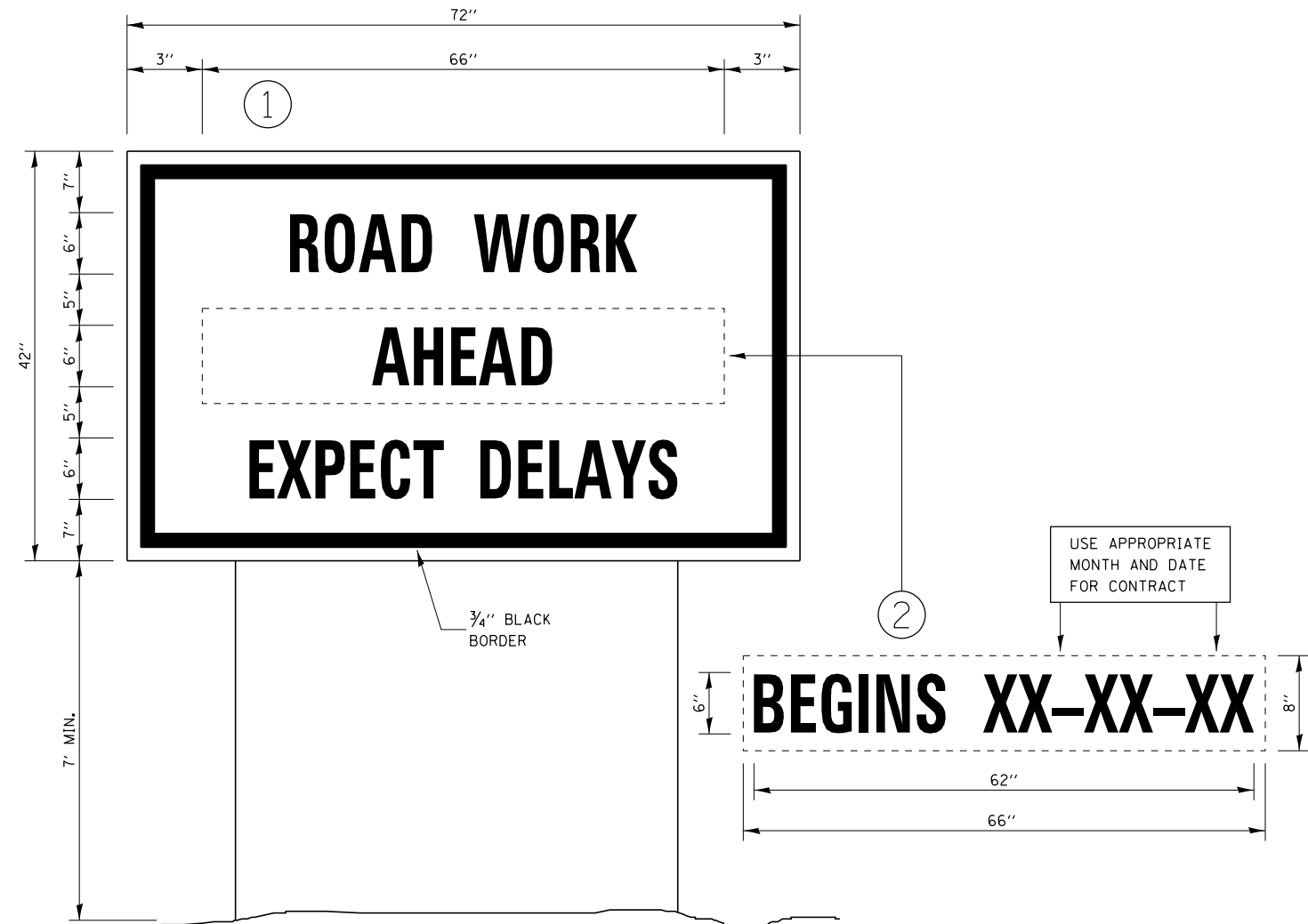


PAVEMENT MARKING



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

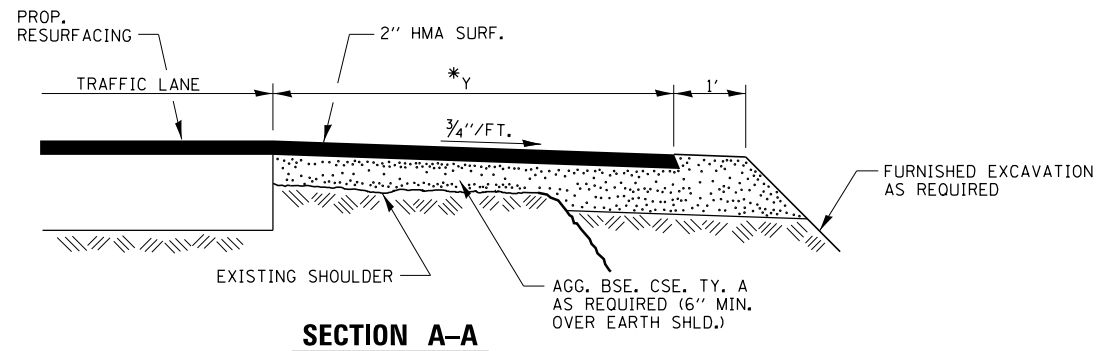
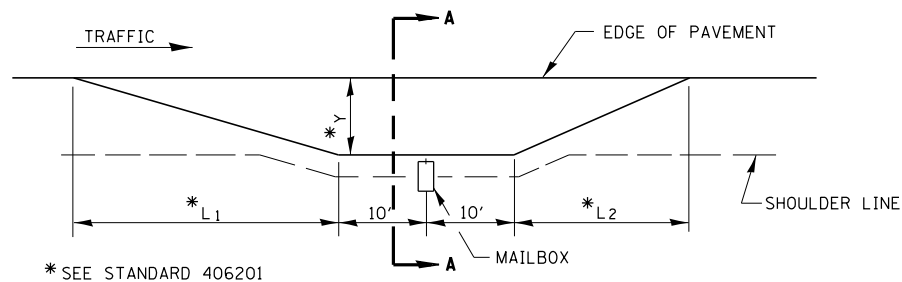


TEMPORARY INFORMATION SIGNING

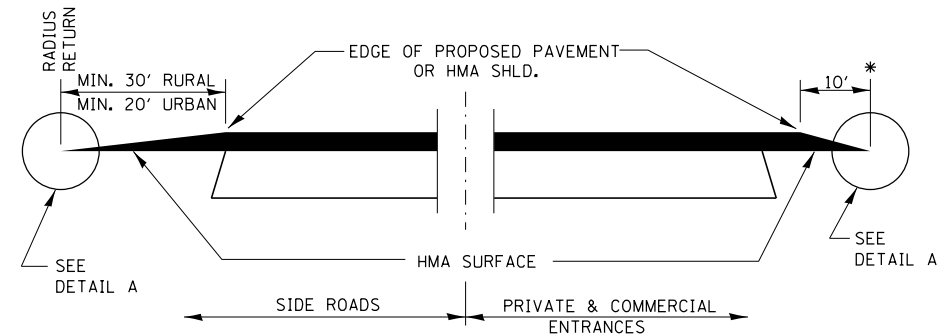
NOTES:

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

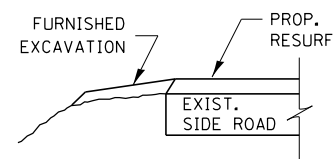
FILE NAME =	USER NAME = fergusonse	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Everyone\Ferguson, Scott\Safety Jobs\Safety 2014\5% Projects\June Curve Jobs\US	3-DRAWN\11e\03xxxx-xss.dgn	CHECKED - _____	REVISED - _____			587	(22)RS-6&I-2	BUREAU	7	6	
\$MODELNAME\$	PLOT SCALE = 100.0000' / 1in.	DATE - _____	REVISED - _____			CONTRACT NO. 66D83					
	PLOT DATE = 3/28/2014					ILLINOIS FED. AID PROJECT					



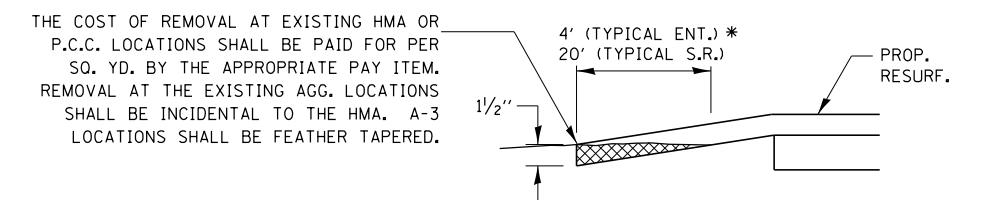
RURAL MAILBOX TURNOUT DETAILS



**SECTION A-A
DETAILS AT ENTRANCES & SIDE ROADS**

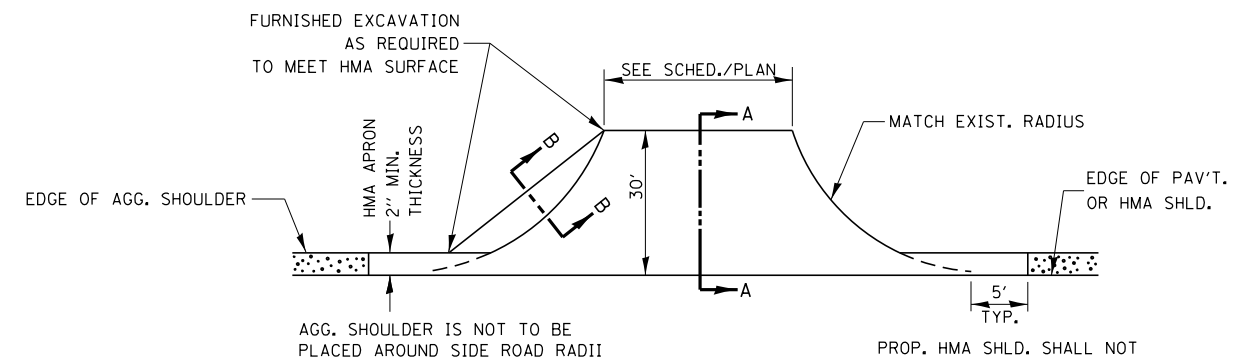


SECTION B-B

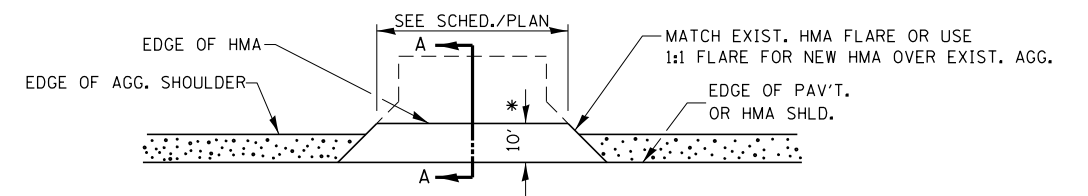


DETAIL A

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.



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.

FILE NAME =	USER NAME = fergusonse	DESIGNED - _____	REVISED - _____
S:\Everyone\Ferguson, Scott\Safety Jobs\Safety 2014\5% Projects\June Curve Jobs\US	3-DRAWN\11e\03xxxx-xss.dgn	CHECKED - _____	REVISED - _____
MODELNAME	PLOT DATE = 3/28/2014	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		587	(22)RS-6&I-2	BUREAU	7	7
					CONTRACT NO. 66D83	
ILLINOIS FED. AID PROJECT						