

034

04-24-2002 LETTING ITEM 034

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SBI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23	(27) RS-1	DEKALB	8	1
BLAND			CONTRACT NO. 66J73	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-4 SUMMARY OF QUANTITIES
- 5-6 TYPICAL SECTIONS
- 7 SCHEDULE OF QUANTITIES
- 8 SCHEMATIC
- 9 DETAILS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
442201-03	CLASS C AND D PATCHES

PROPOSED HIGHWAY PLANS

SBI ROUTE 23 (ELECTRIC PARK DR)
SECTION (27)RS-1
PROJECT STP-50LX(379)
3P MILLING & RESURFACING
(STANDARD OVERLAY)
DEKALB COUNTY

C-93-051-19



FUNCTIONAL CLASSIFICATION:
LOCAL ROAD
2017 ADT = 1,100 VPD
PV% = 93.7 SU% = 5.5 MU% = 0.8



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, P.E.
UNIT CHIEF: ARLENE OTERO-FEBUS
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66J73

PROJECT ENDS
STA 612+28

PROJECT BEGINS
STA 599+84



GROSS LENGTH = 1,244 FT. = 0.24 MILE
NET LENGTH = 1,244 FT. = 0.24 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 1-31-2009
Masood Ahmad
REGIONAL ENGINEER

Mar 20 2009
EA
ENGINEER OF DESIGN AND ENVIRONMENT

Mar 20 2009
James J. Davis
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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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.

ALL COMMERCIAL ENTRANCES (HMA & PCC) AND ALL SIDE ROADS SHALL BE OMITTED.

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
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION

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 INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

COMMITMENTS

HMA MIXTURE REQUIREMENT TABLE				
LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA BINDER COURSE	HMA SURFACE COURSE	HMA SHOULDER BOTTOM LIFT (S)	HMA SHOULDER TOP LIFT
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0 % @ N50	4.0 % @ N50	4.0 % @ N50	4.0 % @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5FG	IL 9.5FG	IL 19.0	IL - 9.5FG
FRICTION AGGREGATE:		MIXTURE C		MIXTURE C
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A	N/A
DENSITY TEST METHOD:	CORES	CORES	CORES	CORES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Don Benoit
DISTRICT STUDIES & PLANS ENGINEER

DATE: 1-30-2020

EXAMINED BY: APV
DISTRICT CONSTRUCTION ENGINEER

Michael J. O'Neil
DISTRICT MATERIALS ENGINEER

Tom Hough
DISTRICT OPERATIONS ENGINEER

FILE NAME *	USER NAME * NOLASCOCJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Default	DRAWN -	REVISED -			23	(27) RS-1	DEKALB	9	2	
		CHECKED -	REVISED -			CONTRACT NO. 66J73					
		DATE -	REVISED -			SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	CONSTR. CODE
				FUND TYPE	FEDERAL
					ROADWAY
0005	URBAN				
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	609		609
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	274		274
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2072		2072
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1.1		1.1
40600900	HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N50	TON	2		2
40600990	TEMPORARY RAMP	SQ YD	90		90
40602965	HOT-MIX ASPHALT BINDER COURSE, 1L-9.5FG, N50	TON	223		223
40604000	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5FG, MIX "C", N50	TON	223		223
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	3		3
44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ YD	41		41
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	2580		2580
44004250	PAVED SHOULDER REMOVAL	SQ YD	1069		1069
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	32		32
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	120		120

FILE NAME =	USER NAME = NOLASCOCJ	DESIGNED -	REVISED -
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	PLOT DATE = 2/1/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

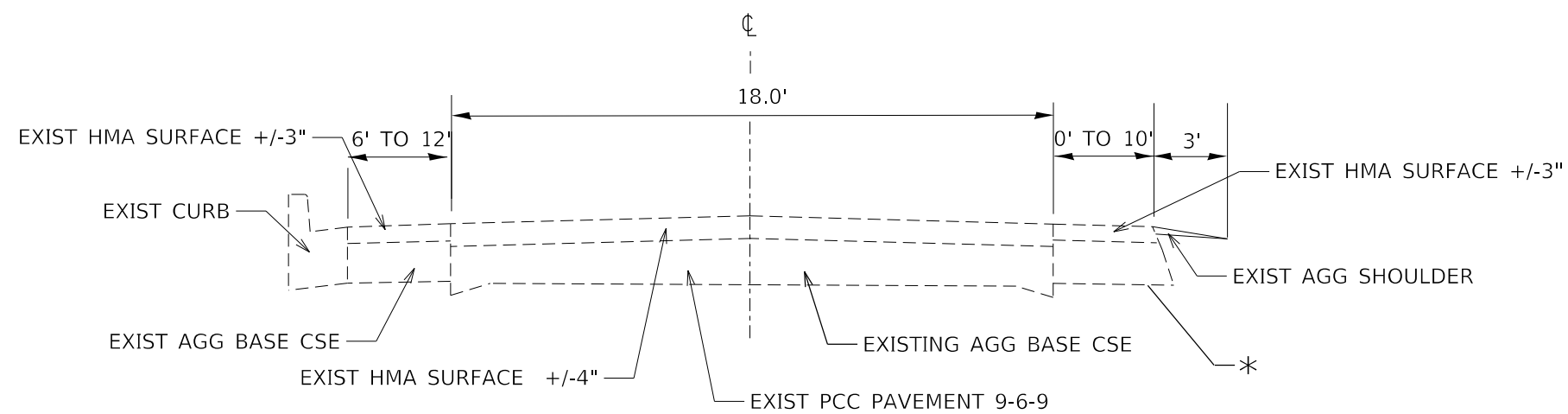
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

S.B.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23	(27)RS-1	DEKALB	9	3
CONTRACT NO. 66J73				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				FUND TYPE	
				FEDERAL ROADWAY	0005 URBAN
				80% FED	20% STATE
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	123	123	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	96	96	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	28	28	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	459	459	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	211	211	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	70	70	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2184	2184	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	295	295	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	9	9	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	1244	1244	

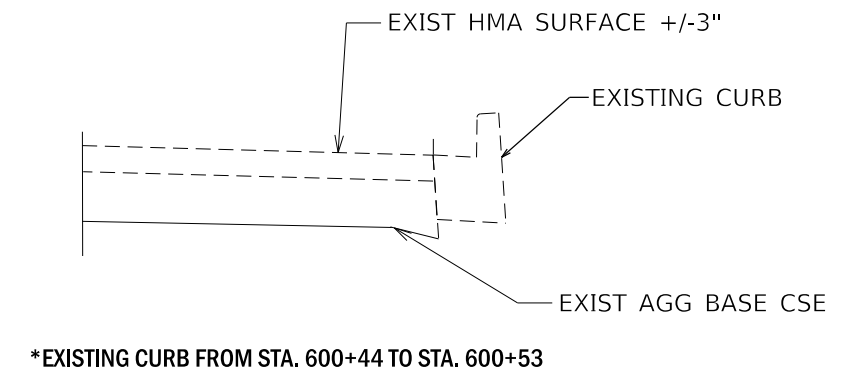
*= SPECIALTY ITEM

FILE NAME =	USER NAME = NOLASCOCJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 66J73									
	PLOT DATE = 1/31/2020	DATE -	REVISED -		ILLINOIS FED. AID PROJECT									



EXISTING TYPICAL SECTION NO. 1

STA. 600+53 TO STA. 605+58



EXISTING TYPICAL SECTION NO. 2

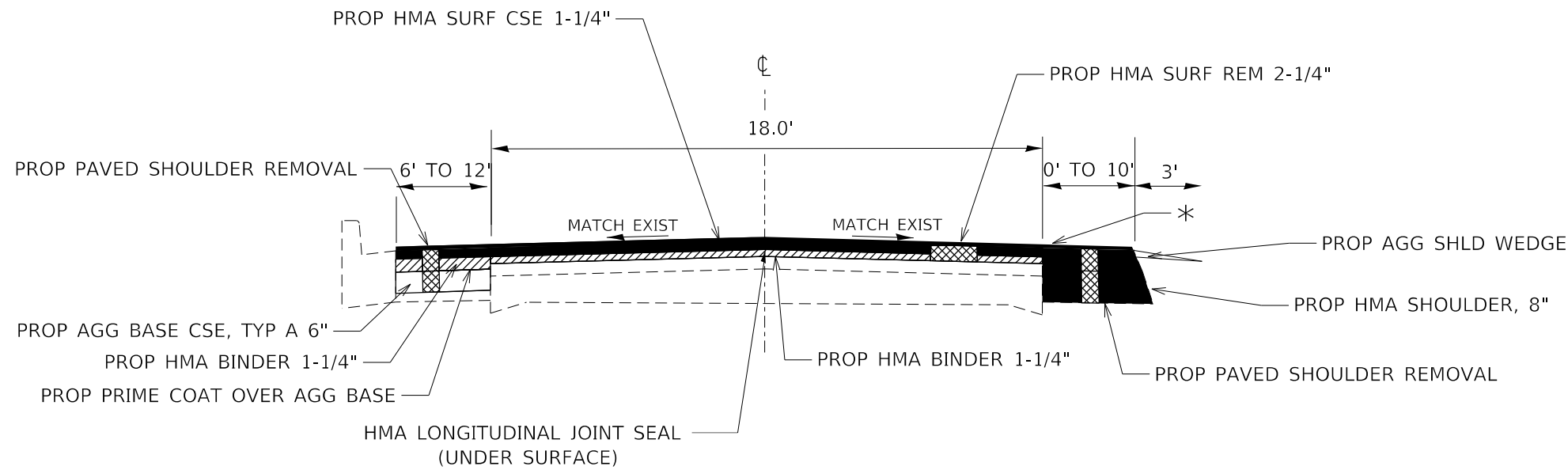
STA. 599+84 TO STA. 600+53
 *STA. 605+58 TO STA. 612+28

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

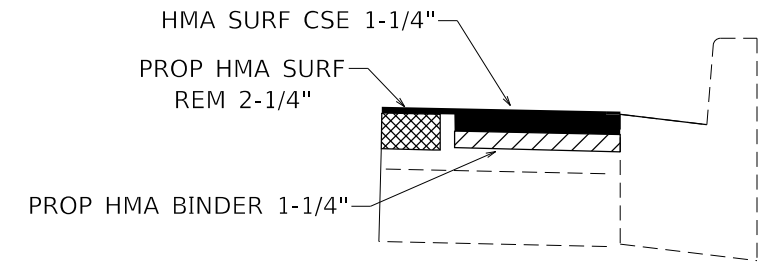
EXISTING TYPICAL SECTIONS			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23	(27)RS-1	DEKALB	9	5
CONTRACT NO. 66J73				
ILLINOIS FED. AID PROJECT				

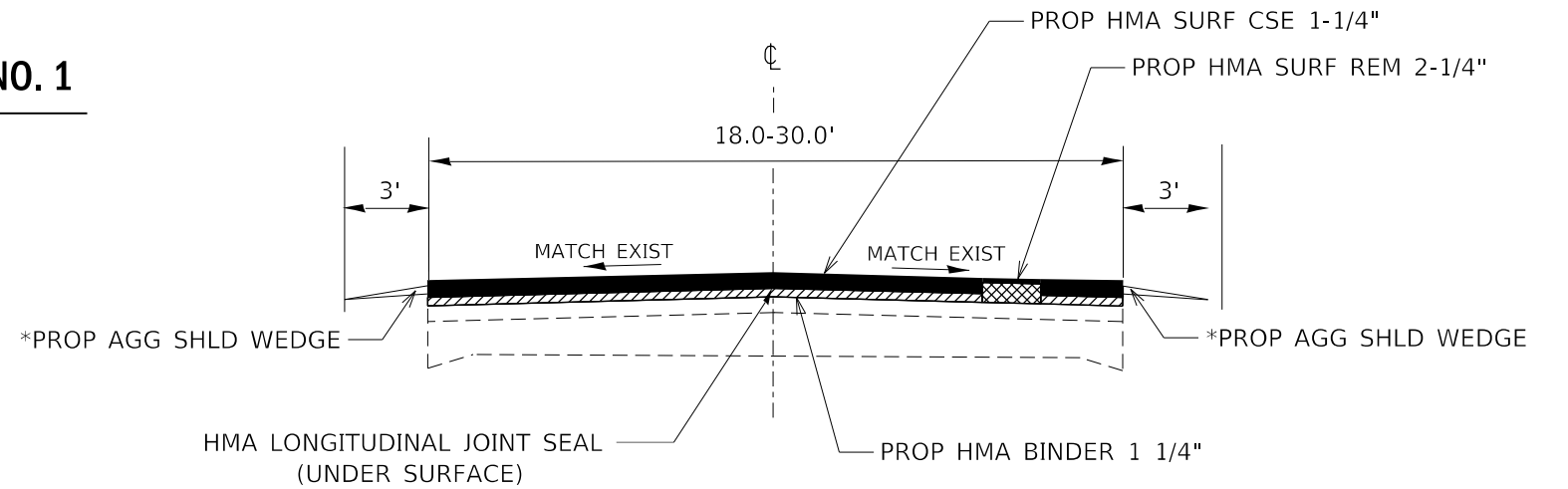


PROPOSED TYPICAL SECTION NO. 1

STA. 600+53 TO STA. 605+58



*EXISTING CURB FROM STA. 600+44 TO STA. 600+53



PROPOSED TYPICAL SECTION NO. 2

STA. 599+84 TO STA. 600+53

*STA. 605+58 TO STA. 612+28

PERMANENT SURVEY MARKERS					
MONUMENT NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
N/A	NO PERMANENT SURVEY MARKERS OR SECTION CORNER MARKERS TO BE SET ON THIS JOB	N/A	N/A	N/A	N/A
NO KNOWN SURVEY OR CENTERLINE CONTROL MONUMENTS ARE ON THE ROAD SURFACE THAT WILL BE DISTURBED BY THE RESURFACING. R.E. WILL DIRECT PLATS AND PLANS TO SEARCH FOR ADDITIONAL MONUMENTS IF THE JOB LIMITS ARE EXPANDED DURING CONSTRUCTION. UNKNOWN MONUMENTS MAY EXIST. IF FOUND, R.E. MUST TIE AND REQUEST PLATS AND PLANS PERSONNEL TO GPS ANY UNKNOWN MONUMENT WHICH IS SUBJECT TO DESTRUCTION BY THE RESURFACING WORK, AND INFORM THEM TO RESET THE MONUMENT UPON JOB COMPLETION. NO MONUMENT RECORDS ARE REQUIRED FOR THIS JOB.					

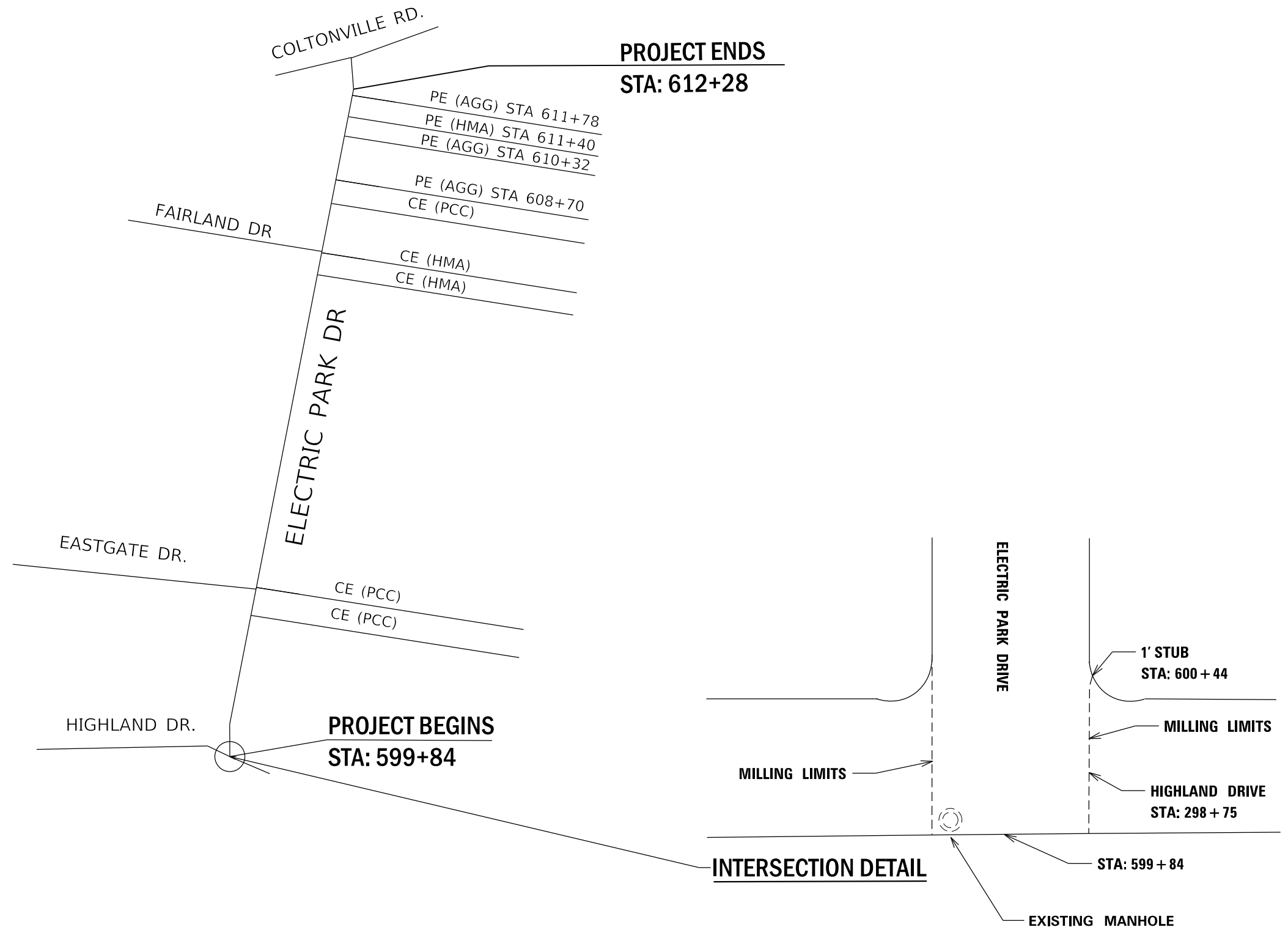
MAINLINE SCHEDULE																
LOCATION	LENGTH	WIDTH	RESURF AREA	HMA SURF REM 2 1/4"	TEMP RAMP	LONG JOINT SEALER	HMA SURF CSE IL-9.5FG MIX C, N50	HMA BINDER CSE IL-9.5FG N50	BIT MATL PRIME COAT	BIT MATL TACK COAT	MIX FOR CRACKS, JOINTS & FLGWYS	HMA BINDER CSE (HAND METHOD) IL-9.5FG N50	PAVED SHOULDER REMOVAL	AGG BASE CSE TYPE A 6"	HMA SHLD 8"	AGG WEDGE SHLD TYPE B
STA TO STA	FOOT	FOOT	SQ FT	SQ YD	SQ YD	FOOT	TON	TON	POUND	POUND	TON	TON	SQ YD	SQ YD	SQ YD	TON
599+84 TO 600+53	69	30	2070	230	50	69	16	16		155	0.1	0.1				
600+53 TO 601+44	91	30	2730	182	25	91	21	21	54.6	123	0.1	0.2	121	121		2
601+44 TO 602+29	85	40	3400	170		85	20	20	51	179	0.1	0.1	208	113	94	
602+29 TO 603+40	111	34	3774	222		111	21	21	33.3	233	0.1	0.1	197	74	123	
603+40 TO 605+03	163	40	6520	326		163	38	38	97.8	342	0.2	0.3	398	217	181	
605+03 TO 605+58	55	34	1870	110		55	10	10	16.5	116	0.0	0.1	98	37	61	
605+58 TO 606+28	70	24	1680	140		70	13	13	21	95	0.1	0.1	47	47		1
606+28 TO 612+28	600	18	10800	1200	15	600	84	84		810	0.4	0.6				23
TOTAL				2580	90	1244	223	223	274	2053	1.1	2	1069	609	459	26

ENTRANCE SCHEDULE								
LOCATION	TYPE	MATL	WIDTH	AREA	HMA SURF REM 1 1/4"	BIT MATL TACK COAT	INCIDENTAL HMA SURFACING	AGG WEDGE SHLD TYP B
STATION			FOOT	SQ FT	SQ YD	POUND	TON	TON
611+78	PE	AGG	20	60				0.4
611+40	PE	HMA	37	370	41	19	3	
610+32	PE	AGG	35	105				0.7
608+70	PE	AGG	32	96				0.6
TOTALS			124	631	41	19	3	2

PAVEMENT MARKING SCHEDULE				
LOCATION	LENGTH	THERMOPLASTIC PVMT MARK		
		LINE 4" WHITE	LINE 6" YELLOW	LINE 24" WHITE
STA TO STA	FOOT	FOOT	FOOT	FOOT
600+53 TO 601+44	91	182	23	9
601+44 TO 602+29	85	170	21	
602+29 TO 603+40	111	111	28	
603+40 TO 605+03	163	326	41	
605+03 TO 605+58	55	55	14	
605+58 TO 606+28	70	140	18	
606+28 TO 612+28	600	1200	150	
TOTAL		2184	295	9

PATCHING SCHEDULE						
LOCATION	PATCH LENGTH	PATCH WIDTH	CLASS D PATCHES			
			TYPE I	TYPE II	TYPE III	TYPE IV
STA TO STA	FT	FT	10 INCH			
			SQ YD	SQ YD	SQ YD	SQ YD
600+53 TO 601+44	31	18				62
	19	10			21	
	7	10		8		
	4	18		8		
	3	18		6		
601+44 TO 602+29	3	18		6		
	5	18		10		
	4	10	4			
	2	10	2			
	4	10	4			
602+29 TO 603+40	9	18			18	
	3	18		6		
	3	18		6		
603+40 TO 605+03	3	10	3			
	6	18		12		
	3	10	3			
	5	18		10		
605+03 TO 605+58	3	18		6		
	8	18			16	
	3	18		6		
605+58 TO 606+28	2	18	4			
	12	18			24	
606+28 TO 612+28	4	10	4			
	7	18		14		
	18	10			20	
	2	10	2			
	4	10	4			
	7	18		14		
	17	18				34
	4	18		8		
	12	18			24	
	2	10	2			
TOTALS			32	120	123	96

SHORT TERM PAVEMENT MARKING SCHEDULE			
LOCATION	LENGTH	SHORT TERM PVMT MARK	SHORT TERM PAVEMENT MARKING REMOVAL
		2 APPLICATION	SQ FT
STA TO STA	FOOT	FOOT	SQ FT
600+53 TO 601+44	91	16	5
601+44 TO 602+29	85	15	5
602+29 TO 603+40	111	20	7
603+40 TO 605+03	163	29	10
605+03 TO 605+58	55	10	3
605+58 TO 606+28	70	13	4
606+28 TO 612+28	600	108	36
TOTAL		211	70

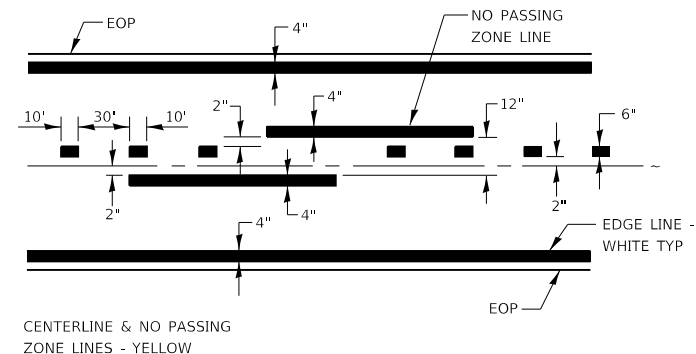


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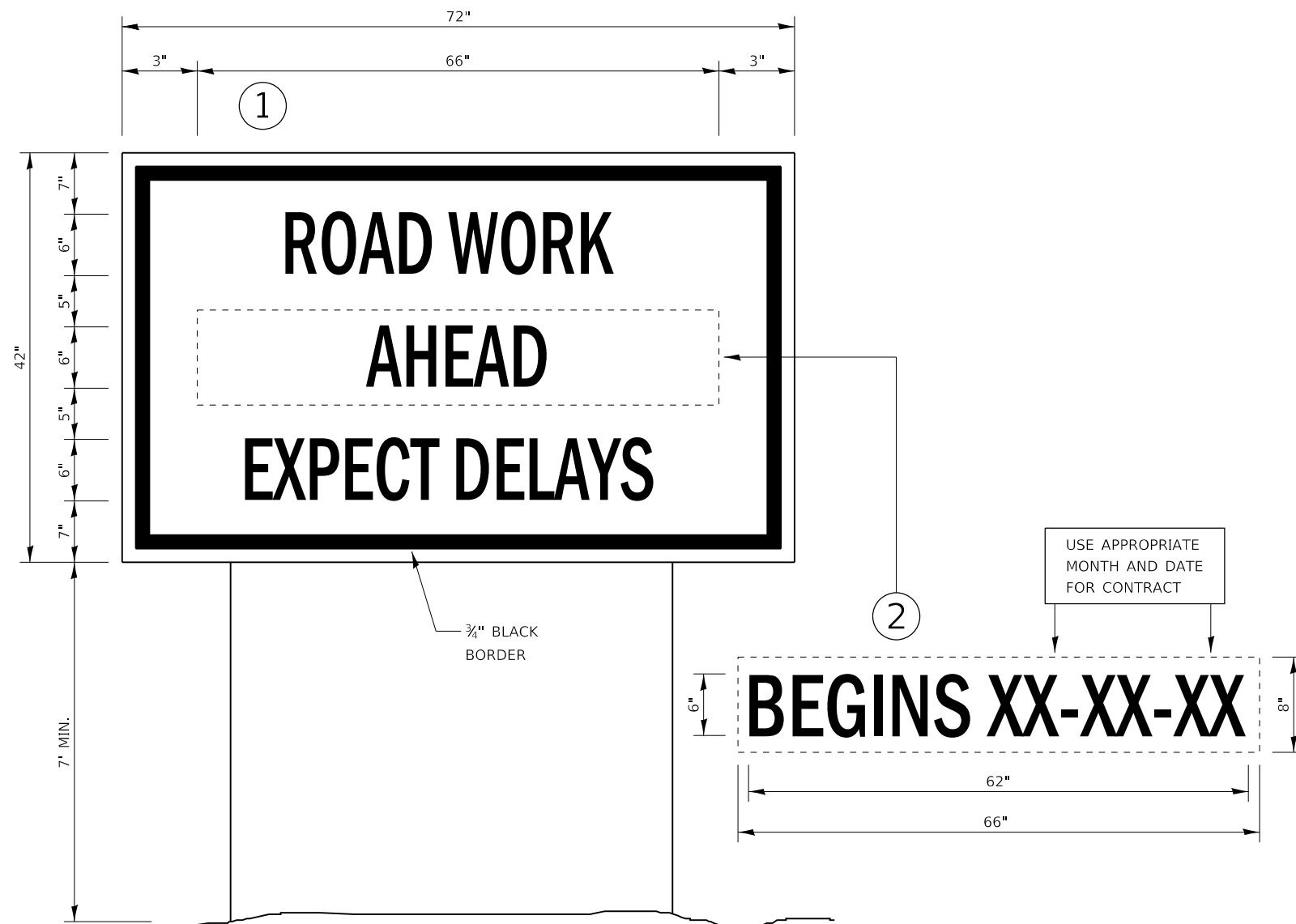
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEMATIC			
SCALE:	SHEET 1	OF 1	SHEETS
	STA.	TO STA.	

S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23	(27)RS-1	DEKALB	9	8
CONTRACT NO. 66J73				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLUORESCENT 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 = NOLASCOCJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INFORMATION SIGNING AND PAVEMENT MARKING DETAILS			S.B.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\planroom.dot\illinois.gov\PWDOT\Documents\IDOT	Office\District 3\Projects\D366J73\CADData\D366J73-shd-details.dwg	DRAWN -	REVISED -					23	(27)RS-1	DEKALB	9	9
Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 66J73							
	PLOT DATE = 1/31/2020	DATE -	REVISED -		SCALE:	SHEET 1	OF 3	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT