

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	15R1RS-5	•	25	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 66682	•DEKALB & KENDALL	

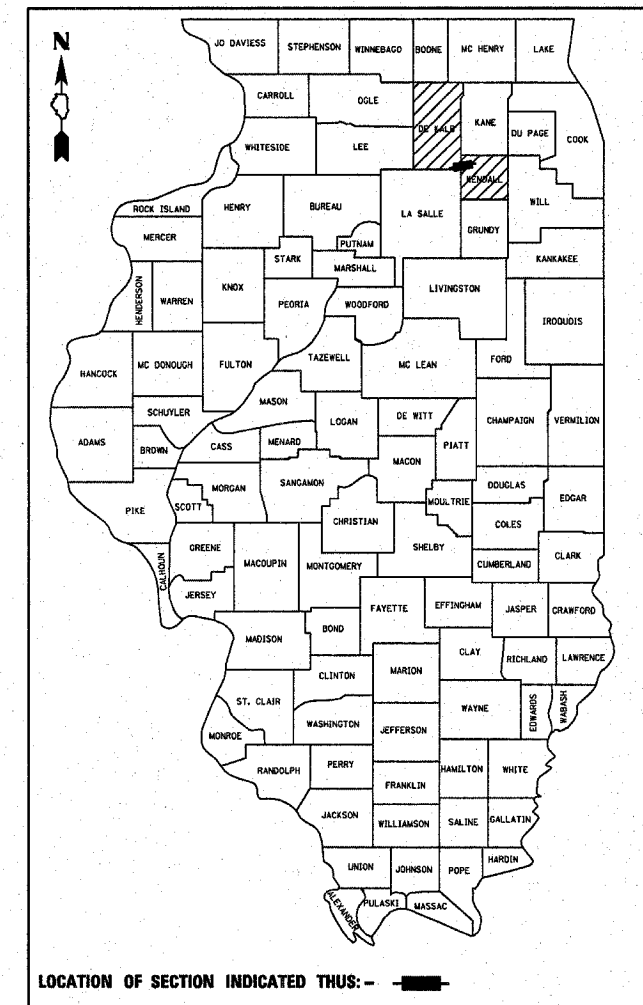
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 591 (US 34)  
SECTION (15R)RS-5  
PROJECT: HPP - 0591(022)  
DEKALB & KENDALL COUNTIES

C - 93 - 099 - 06

3P RESURFACING FROM WEST OF DAVIS STREET IN  
SANDWICH TO EAST OF SANDY BLUFF ROAD

D-93-055-06



**FUNCTION CLASSIFICATION**

**OTHER PRINCIPAL ARTERIAL (URBAN)**

2007 ADT = 16200

P.V. = 94.4% S.U. = 3.4% M.U. = 2.2%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED October 19 2007

*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 7 2007

*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

December 7 2007

*[Signature]*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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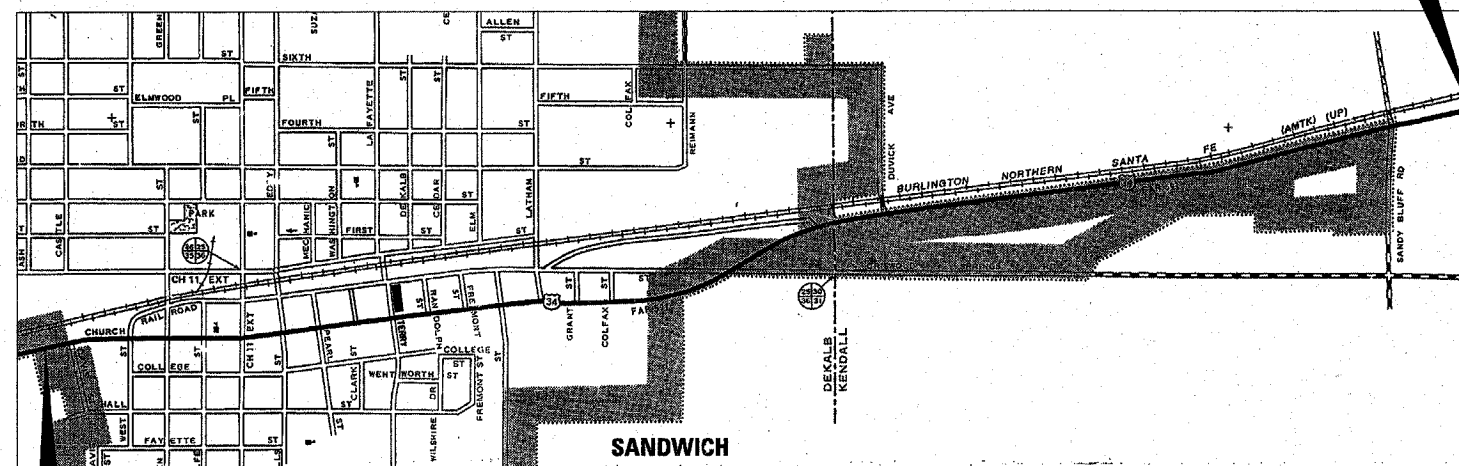
**INDEX OF SHEETS**

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- 21 - 25 FOR INFORMATION ONLY - DETECTOR LOOPS

**STANDARDS**

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 701001-01 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 4.5 m (15') AWAY
- 701006-02 OFF-ROAD OPERATIONS 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
- 701011-01 OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
- 701301-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-01 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701326-02 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
- 701501-04 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701502-02 URBAN LANE CLOSURE 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
- 701901 TRAFFIC CONTROL DEVICES
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 482011-03 HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- 886001 DETECTOR LOOP INSTALLATIONS
- 886006 TYPICAL LAYOUT FOR DETECTION LOOPS

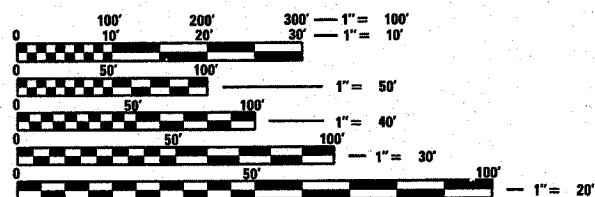
**END IMPROVEMENT  
STA. 522 + 35**



**BEGIN IMPROVEMENT  
STA. 391 + 37**

LOCATION MAP  
NOT TO SCALE

GROSS LENGTH & NET LENGTH = 13098 FT. = 2.48 MI.



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 BROVIAK  
UNIT CHIEF: BRAD DUNCAN  
TOWNSHIP: SANDWICH, LITTLE ROCK  
CONTRACT NO. 66682**

GENERAL NOTES

COMMITMENTS

NONE

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 HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN A UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

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
BITUMINOUS MAT PRIME COAT	0.08	GAL / SQ YD OR
	0.375	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
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

ANR PIPELINE COMPANY - PIPELINE  
 AT&T - BURIED TELEPHONE  
 COMCAST - AERIAL AND BURIED CATV  
 COMED - AERIAL AND BURIED ELECTRIC  
 ENBRIDGE INC - PIPELINE  
 GUARDIAN PIPELINE - PIPELINE  
 NICOR GAS - BURIED GAS  
 VERIZON NORTH, INC - BURIED TELEPHONE  
 CITY OF PLANO - WATER  
 CITY OF SANDWICH - WATER

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DISTRICT THREE

PREPARED BY: *R. Paul*  
 DISTRICT STUDIES & PLANS ENGINEER

DATE: 10-19-07

EXAMINED BY: *Heidi D. J...*  
 DISTRICT CONSTRUCTION ENGINEER

*J. J...*  
 DISTRICT MATERIALS ENGINEER

*Bruce C. Huber*  
 DISTRICT OPERATIONS ENGINEER

•DEKALB & KENDALL

FILE NAME = o:\projects\ed05506\cover.sht.dgn	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		591	(15R)RS-5		25	2				
		CHECKED -	REVISED -						CONTRACT NO. 66682				
		PLOT DATE = Oct 18, 2007 - 03:10:13 PM	DATE -		REVISED -	SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

80% FED./20% STATE  
1000-2A

CONSTRUCTION CODE TYPE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	1000-2A	
				DEKALB STA. 391+37 TO STA. 464+14	KENDALL STA. 464+14 TO STA. 522+35
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	61.2	28.7	32.5
20400800	FURNISHED EXCAVATION	CU YD	23	6.2	16.8
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5110	2781	2329
40600300	AGGREGATE (PRIME COAT)	TON	128	70	58
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	16	8	8
40600525	LEVELING BINDER (HAND METHOD), N50	TON	27	14	13
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	2315	1197	1118
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	315		315
4060985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	275	167	108
40600990	TEMPORARY RAMP	SQ YD	875	693	182
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70	TON	4630	2393	2237
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1058	791	267
44000152	HOT-MIX ASPHALT SURFACE REMOVAL 3/4"	SQ YD	11676		11676
44000155	HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"	SQ YD	10020		10020
44000158	HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"	SQ YD	39178	33616	5562
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	264		264
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	9224		9224
48102100	AGGREGATE WEDGE SHOULDERS, TYPE B	TON	435	84	351
48203021	HOT-MIX ASPHALT SHOULDER 6"	SQ YD	2041	957.5	1083.5
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	6	6	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	1	2
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	0.2	0.8
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	2	3
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	4	2	2
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	13860	5568	8292
70300610	TEMPORARY PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	738.4	364	374.4
70300625	TEMPORARY PAINT PAVEMENT MARKING - LINE 4"	FOOT	20078	6068	14010
70300635	TEMPORARY PAINT PAVEMENT MARKING - LINE 6"	FOOT	1560	1180	380
70300640	TEMPORARY PAINT PAVEMENT MARKING - LINE 8"	FOOT	2647	887	1760
70300645	TEMPORARY PAINT PAVEMENT MARKING - LINE 12"	FOOT	1224	232	992
70300660	TEMPORARY PAINT PAVEMENT MARKING - LINE 24"	FOOT	287	172	115

SUMMARY OF QUANTITIES

80% FED./20% STATE  
1000-2A

CONSTRUCTION CODE TYPE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	1000-2A	
				DEKALB STA. 391+37 TO STA. 464+14	KENDALL STA. 464+14 TO STA. 522+35
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1541	619	922
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	860.8	364	496.8
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	35236	9797	25439
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3040	2251	789
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	3632	1543	2089
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2434	1300.3	1133.7
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	693	374	319
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	556	265	291
78300100	PAVEMENT MARKING REMOVAL	SQ FT	263		263
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	248		248
* 88600100	DETECTOR LOOP, TYPE I	FOOT	3005	986	2019
* X8860100	LOOP DETECTOR TESTING	EACH	4	2	2
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1

\* SPECIALTY ITEMS

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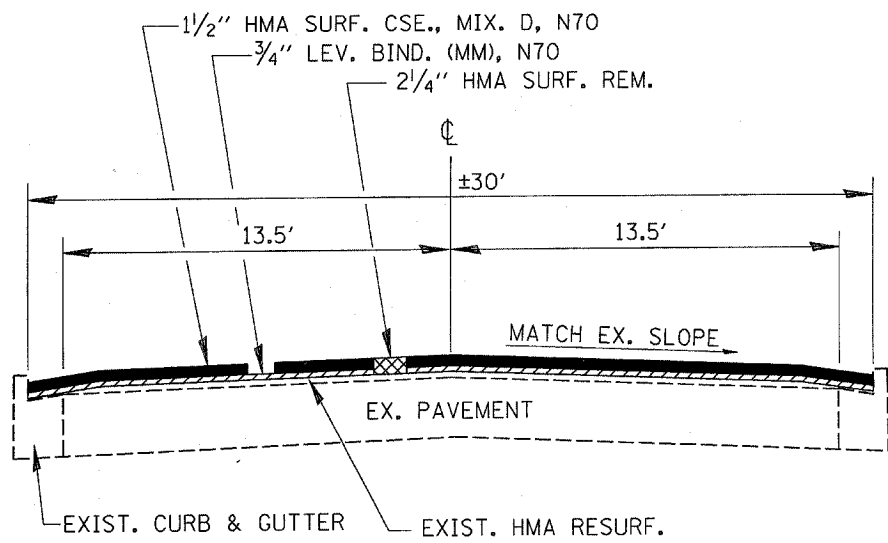
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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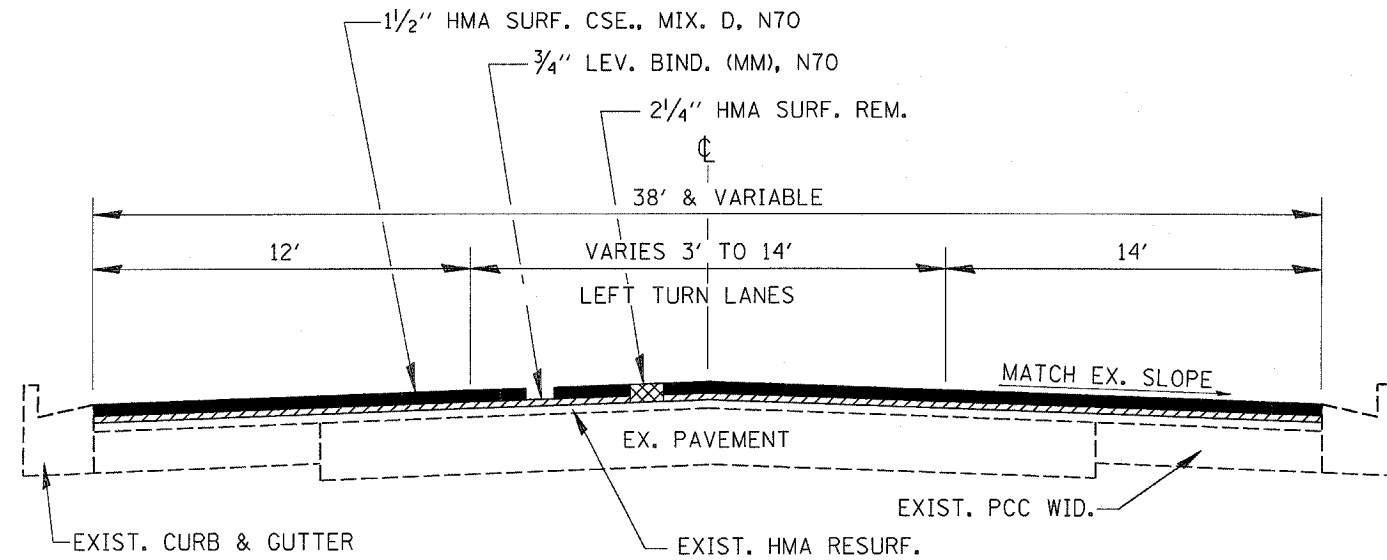
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591		(15R)RS-5		25	3
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT	
CONTRACT NO. 66682					

\*DEKALB & KENDALL



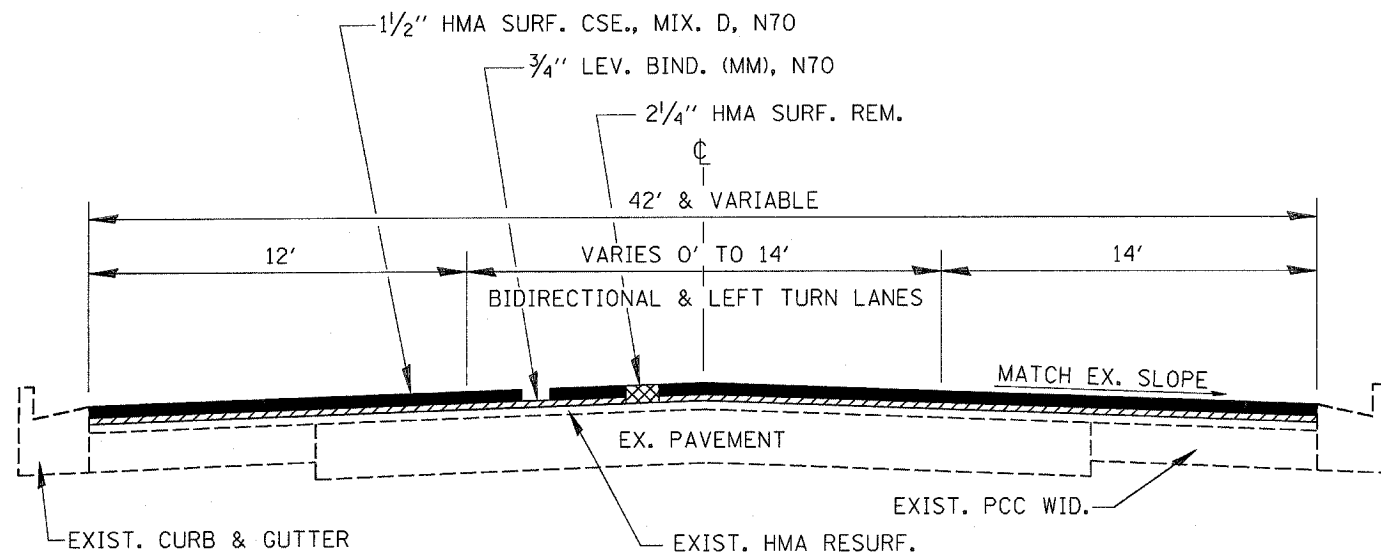
**TYPICAL SECTION**

STA. 391+37 TO STA. 402+38  
 STA. 419+96 TO STA. 427+76



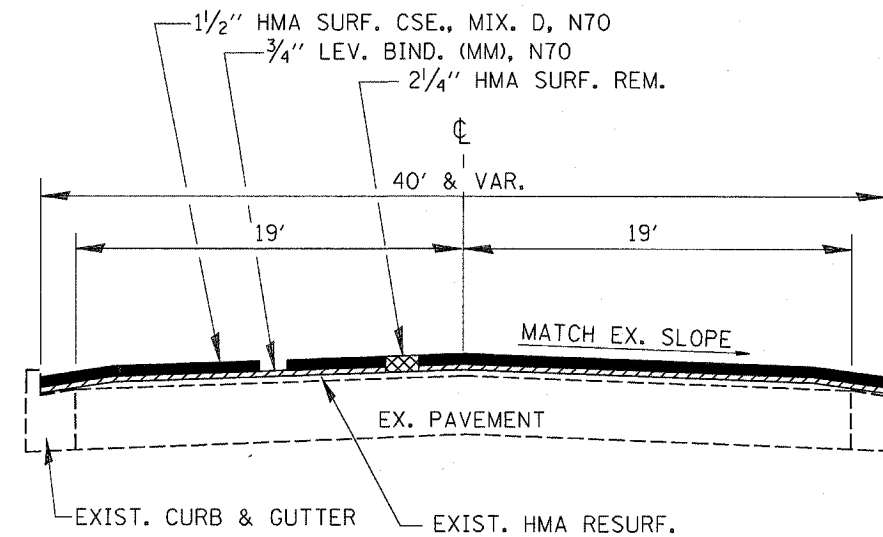
**TYPICAL SECTION**

STA. 427+76 TO STA. 439+96



**TYPICAL SECTION**

STA. 402+38 TO STA. 419+96



**TYPICAL SECTION**

STA. 439+96 TO STA. 446+51

NOTE: 3' SAFETY SHOULDER TO BE  
 CONSTRUCTED ON NORTH SIDE OF US 34  
 STA. 443±87 TO STA. 445±87

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

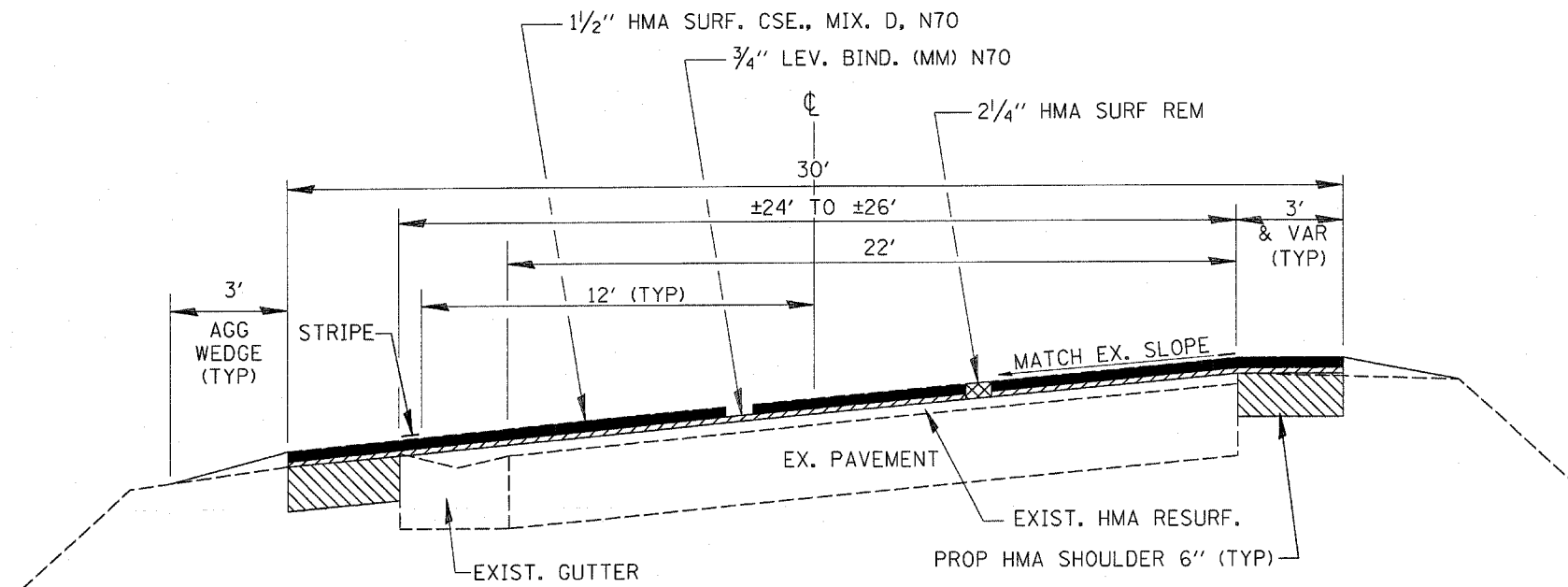
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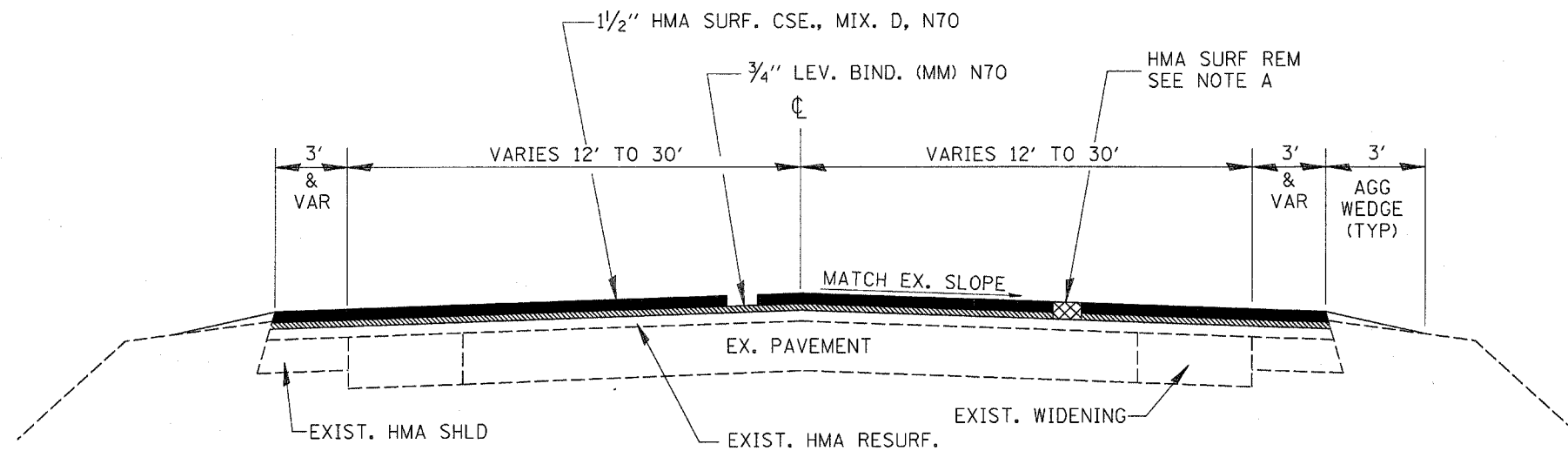
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591	(15R)RS-5		25	4
CONTRACT NO. 66682				

•DEKALB & KENDALL

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



**TYPICAL SECTION**  
 STA. 446+51 TO STA. 465+22  
 NOTE: COUNTY LINE = STA. 464+14



**TYPICAL SECTION**  
 STA. 465+22 TO STA. 492+00

- NOTES:  
 A. 2 1/4" REMOVAL - STA. 465+22 TO STA. 472+83  
 1 1/2" REMOVAL - STA. 472+83 TO STA. 492+00  
 B. AREA REFLECTIVE CRACK CONTROL - STA. 471±50 TO STA. 492+00

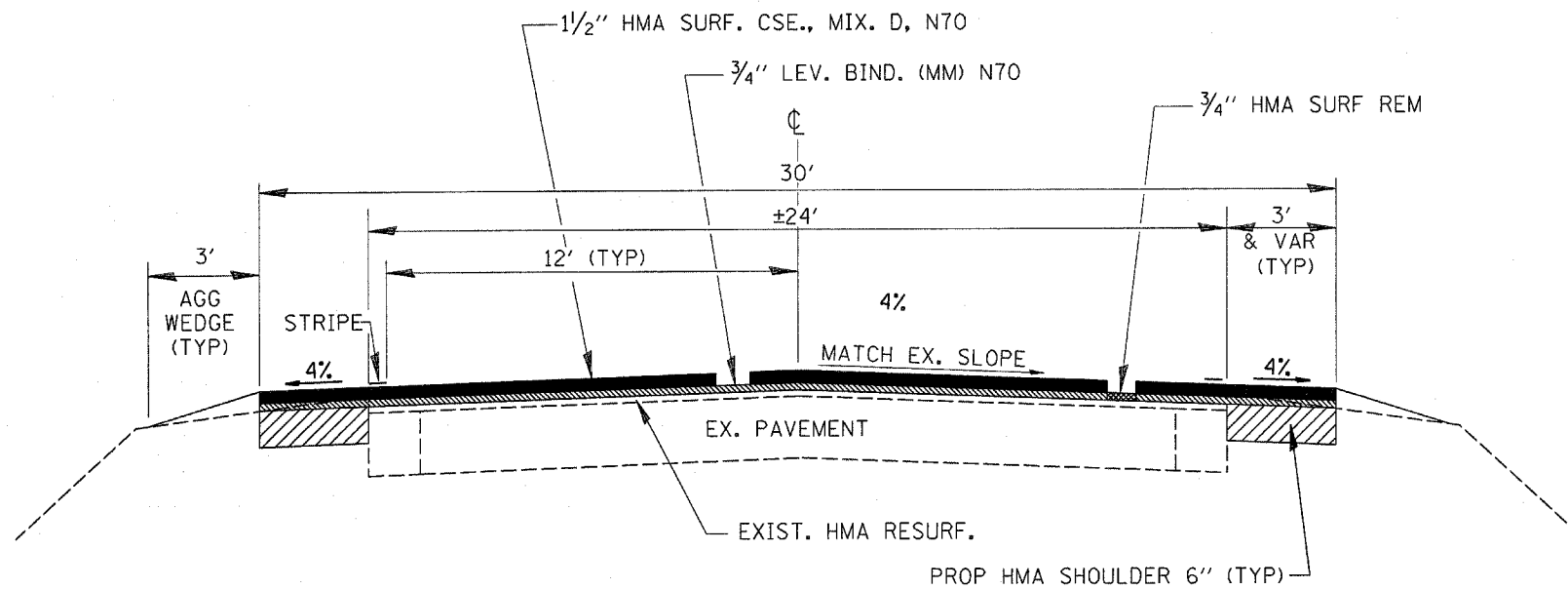
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	(15R)RS-5		25	5
CONTRACT NO. 66682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

•DEKALB & KENDALL

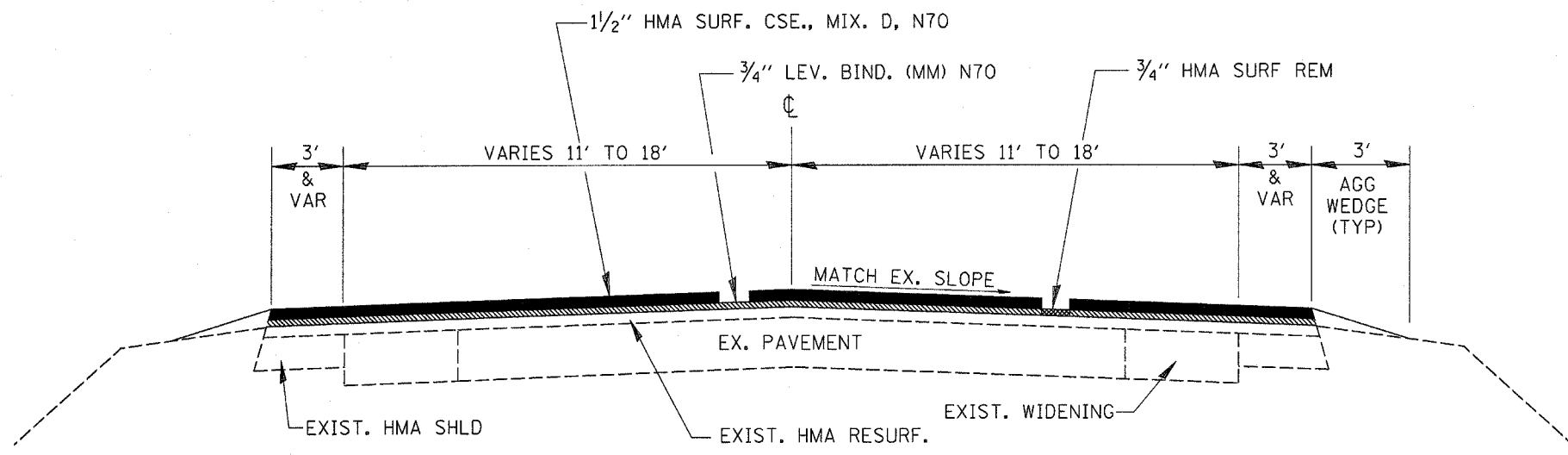


**TYPICAL SECTION**  
STA. 492+00 TO STA. 508+66

**MIXTURE TABLE**

	HMA SURFACE	HMA LEVEL BINDER	HMA SHOULDERS
PG GRADE	PG64-22	PG64-22	PG58-22
MAX % RAP ALLOWABLE**	10%	15%	25%
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N70	4.0% @ N50
MIXTURE COMPOSITION	IL 12.5 OR IL 9.5	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIXTURE D		
DENSITY TEST METHOD	CORRELATION	SATISFACTION OF ENGINEER	*

\* MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/QA SPECIFICATION.  
 \*\* IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.



**TYPICAL SECTION**  
STA. 508+66 TO STA. 522+35

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

*DEKALB & KENDALL				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	(15R)RS-5	*	25	6
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 66682				

MAINLINE													
LOCATION STA. TO STA.	BIT MAT'L PR CT (GAL)	AGG PRIME COAT (TON)	MIX CR, JT & FLGWY (TON)	LEV BIND (HM) N50 (TON)	LEV BIND (MM) N70 (TON)	HMA SURF CSE "D", N70 (TON)	HMA SURF REM 1 1/2" (SQ YD)	HMA SURF REM 2 1/4" (SQ YD)	HMA SURF REM 3/4" (SQ YD)	HMA SURF VAR DEPTH (SQ YD)	HMA SURF BUTT JT (SQ YD)	AGG WEDGE SHLDRS TYPE B (TON)	TEMP RAMP (SQ YD)
DEKALB COUNTY													
391+37 - 402+38	294	7.34	1.10	1.8	154	308		3670					25
402+38 - 419+96	662	16.55	2.48	4.1	348	695		8276					
419+96 - 427+76	208	5.20	0.78	1.3	109	218		2600					
427+76 - 439+95	424	10.60	1.59	2.6	223	445		5298					
439+95 - 446+51	221	5.52	0.80	1.3	116	232		2675			7.5		
446+51 - 464+14	471	11.78	1.50	2.5	247	495		5014			76.6		
COUNTY SUBTOTAL	2279	57	8	14	1197	2393	0	27533	0	0	0	84	25
KENDALL COUNTY													
464+14 - 465+22	29	0.72	0.09	0.1	15	30		288			7.6		
465+22 - 472+83	357	8.92	1.34	2.2	187	375		4450			11.5		
472+83 - 473+13	14	0.36	0.05	0.1	8	15			179		1.3		
473-13 - 492+00	765	19.12	2.86	4.8	401	803	9519				62.4		
492+00 - 492+30	8	0.21	0.03	0.0	4	9			85		3.4		
492+30 - 508+66	437	10.93	1.36	2.3	230	459		4533			191.5		
508+66 - 522+05	509	12.74	1.91	3.2	267	535		6358			73.1		
522+05 - 522+35	11	0.27	0.04	0.1	6	11				133		13	
COUNTY SUBTOTAL	2130	53	8	13	1118	2237	9519	4738	10891	264	133	351	13
TOTALS	4409	110	16	27	2315	4630	9519	32271	10891	264	133	435	38

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 591 SECTION (15)RS-5 COUNTY TOTAL SHEETS 25 SHEET NO. 7 CONTRACT NO. 66682

\*DEKALB & KENDALL

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

**ENTRANCES AND SIDEROADS**

LOCATION STA.	SIDE	DESCRIPTION	WIDTH FEET	EXIST PAVT TYPE	INC BIT SURF	HMA SURF REM 2-1/4"	HMA SURF REM 1-1/2"	HMA SURF REM 3/4"	HMA SURF REM BUTT JT	PCC SURF REM BUTT JT	BIT MATL (PR CT)	AGG (PR CT)	TEMP RAMP	FURN EXC
					TON	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	GALLON	TON	SQ YD	CU YD
<b>DEKALB CO</b>														
394+06.35	RT	DAVIS STREET	26.5	HMA	16	127					10	0.25	22.08	
399+41.77	LT	WEST STREET	26.6	HMA	12	97					8	0.19	22.17	
399+41.77	RT	WEST STREET	24	HMA	25	195					16	0.39	20.00	
402+71.36	LT	GREEN STREET	39	HMA	17	131					10	0.26	32.50	
402+71.59	RT	GREEN STREET	27.2	HMA	10	79					6	0.16	22.67	
405+99.15	LT	WOLFE STREET	31.3	HMA	27	218					17	0.44	26.08	
405+99.15	RT	WOLFE STREET	27.3	HMA	38	302					24	0.60	22.75	
409+32.52	LT	MAIN STREET	50	HMA	74	591					47	1.18	41.67	
409+32.52	RT	MAIN STREET	42.4	HMA	60	476					38	0.95	35.33	
413+00	LT	WELLS STREET	49.1	HMA	48	384					31	0.77	40.92	
413+00	RT	WELLS STREET	40.4	HMA	50	398					32	0.80	33.67	
416+33.13	LT	PEARL STREET	35	HMA	47	370					30	0.74	29.17	
416+33.13	RT	PEARL STREET	28.7	HMA	37	294					24	0.59	23.92	
419+59.99	LT	CLARK STREET	26.6	HMA	13	106					8	0.21	22.17	
422+95.25	LT	TERRY STREET	29.5	HMA	15	121					10	0.24	24.58	
422+95.25	RT	TERRY STREET	26.6	HMA	13	104					8	0.21	22.17	
426+23.52	LT	RANDOLPH STREET	23.7	HMA	13	104					8	0.21	19.75	
429+55.47	LT	FREMONT STREET	30.7	HMA	18	140					11	0.28	25.58	
432+73.91	LT	DAYTON STREET	22.7	HMA	24	193					15	0.39	18.92	
432+73.91	RT	DAYTON STREET	29.7	HMA	17	132					11	0.26	24.75	
436+56.61	LT	LATHAM STREET	42.3	HMA	64	505					40	1.01	35.25	
439+53.45	LT	GRANT STREET	28.9	HMA	8	64					5	0.13	24.08	
442+64.97	LT	COLFAX STREET	28	HMA	8	63					5	0.13	23.33	1.60
443+57.17	RT	CE		HMA	NO WORK									
443+75.88	LT	PE		AGG	3						2	0.00	0.00	
444+52.47	RT	CE		HMA	NO WORK									
445+25.97	RT	CE		HMA	NO WORK									
445+87.06	RT	CE		HMA	NO WORK									
446+01.10	LT	PE		HMA	7	53					4	0.11	0.00	
449+17.87	RT	CE		HMA	40	319					26	0.64	0.00	
449+49.03	LT	PE		HMA	5	39					3	0.08	0.00	
453+84.47	LT	GRISWOLD SPRINGS	19.8	HMA	8	63					5	0.13	16.50	1.50
453+85.46	RT	GRISWOLD SPRINGS	17.8	HMA	7	58					5	0.12	14.83	
454+58.82	LT	CE		HMA	7	58					5	0.12	0.00	1.60
456+35.15	RT	CE		PCC	8						62	0.12	0.00	
457+79.93	RT	CE		PCC	7						55	0.11	0.00	
458+90.41	RT	CE		HMA	6	49					4	0.10	0.00	
460+01.24	RT	CE		HMA	6	49					4	0.10	0.00	
462+39.32	LT	OLD US 34	27.7	HMA	25	201					16	0.40	23.08	1.50
462+63.95	RT	CE		PCC	6						50	0.10	0.00	
<b>SUBTOTALS</b>					791	6083	0	0	0	167	502	13	668	6.2
<b>KENDALL CO</b>														
470+37.73	RT	DUVICK AVENUE	107	HMA	17	138					11	0.28	89.17	4.20
470+48.09	LT	DUVICK AVENUE	46.1	HMA	86	686					55	1.37	38.42	
481+83.90	RT	CE		HMA	17		206				16	0.41	0.00	
485+89.90	RT	CE		HMA	25		295				24	0.59	0.00	
495+20.08	RT	CE		AGG	9						7	0.00	0.00	
496+21.27	RT	CE		HMA	10			60	32		7	0.18	0.00	
500+38.78	RT	CE		HMA	13			80	44		10	0.25	0.00	
505+15.00	RT	CE		PCC	11				108		9	0.22	0.00	
508+57.35	RT	CE		HMA	9			58	31		7	0.18	0.00	
511+39.67	RT	CE		HMA	3			17	16		3	0.07	0.00	
514+43.96	RT	SANDY BLUFF RD	51	HMA	21			175	23		16	0.40	28.33	4.70
514+60.38	LT	SANDY BLUFF RD	23.1	HMA	40			372	11		31	0.77	12.83	7.90
516+61.05	RT	CE		HMA	5			23	25		4	0.10	0.00	
<b>SUBTOTALS</b>					267	824	501	785	182	108	199	5	169	16.8
<b>TOTALS</b>					1058	6907	501	785	182	275	701	17	837	23

**SHOULDER CONSTRUCTION**

LOCATION STA. TO STA.	SIDE	EXCAVATING & GRADING EXIST SHOULDERS	HMA SHOULDERS 6"
		UNIT	SQ YD
<b>DEKALB CO</b>			
443+87 - 445+87	LT	2.00	66.7
446+28 - 449+36	LT	3.08	102.7
449+77 - 452+76	LT	2.99	99.7
454+97 - 461+91	LT	6.94	231.4
463+07 - 464+14	LT	1.07	35.7
446+25 - 448+73	RT	2.48	82.7
449+69 - 453+37	RT	3.68	122.7
454+98 - 455+64	RT	0.66	22.0
456+64 - 457+49	RT	0.85	28.4
458+05 - 458+66	RT	0.50	17.1
459+14 - 459+73	RT	0.59	19.7
460+28 - 464+14	RT	3.86	128.7
<b>SUBTOTAL</b>		<b>28.70</b>	<b>957.5</b>
<b>KENDALL CO</b>			
464+14 - 465+35	LT	1.21	40.4
464+14 - 465+35	RT	1.21	40.4
491+40 - 508+98	LT	17.58	586.0
491+43 - 494+80	RT	3.37	112.3
496+69 - 499+77	RT	3.08	102.7
501+00 - 504+57	RT	3.57	119.0
505+65 - 508+13	RT	2.48	82.7
<b>SUBTOTAL</b>		<b>32.50</b>	<b>1083.5</b>
<b>TOTALS</b>		<b>61.2</b>	<b>2041</b>



PAVEMENT MARKING

LOCATION	THERMOPLASTIC										TEMPORARY PAINT					RAISED REFL PAVT MARKER	SHORT TERM PVT MK
	LTRS & SYM	4"		6"		8"	12"		24"	LTRS & SYM	4"	6"	8"	12"	24"		
	WHITE SQ FT	YELLOW FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	WHITE FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	WHITE SQ FT	YELLOW FOOT	YELLOW FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT		
DEKALB CO																	
391+37 TO 402+56																	
CENTERLINE				280								280					28
403+06 TO 405+51																	
TURN LANE	15.6					64				15.6			64				2
MEDIAN		841						37.6			841			37.6			15
WOLFE STREET LT									18								
STOPBAR									20								
WOLFE STREET RT																	
STOPBAR																	
406+51 TO 408+91																	
TURN LANE	31.2					124				31.2			124				4
MEDIAN		192									192						8
BIDIRECTIONAL	31.2	168		40						31.2	168	40					4
STOPBAR									30							30	
CROSSWALK						112											
MAIN STREET LT																	
MEDIAN		120															
CROSSWALK						145											
ISLAND						96	84.8										
PARKING						96											
STOPBAR									16								
MAIN STREET RT																	
MEDIAN		114															
STOPBAR									23								
CROSSWALK						139											
409+68 TO 412+59																	
TURN LANE	31.2					128				31.2			128				4
MEDIAN		200									200						8
BIDIRECTIONAL	31.2	220		60						31.2	220	60					5
STOPBAR									62							62	
CROSSWALK						112		108									
WELLS STREET LT																	
ISLAND							140	131									
CROSSWALK						110		108									
STOPBAR									24								
CENTERLINE				10													
WELLS STREET RT																	
ISLAND							85	76.1									
CROSSWALK						115		114									
STOPBAR									21								
CENTERLINE				10													
413+40 TO 415+79																	
TURN LANE	31.2					128				31.2			128				4
MEDIAN		200									200						8
BIDIRECTIONAL	31.2	158		40						31.2	158	40					4
STOPBAR									28							28	
CROSSWALK						102		102									
PEARL STREET LT																	
STOPBAR									29								
PEARL STREET RT																	
STOPBAR									17								

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PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
PLOT DATE = Oct 19, 2007 - 09:04:44 AM	DATE -	REVISED -									

\*DEKALB & KENDALL

PAVEMENT MARKING (CONT.)

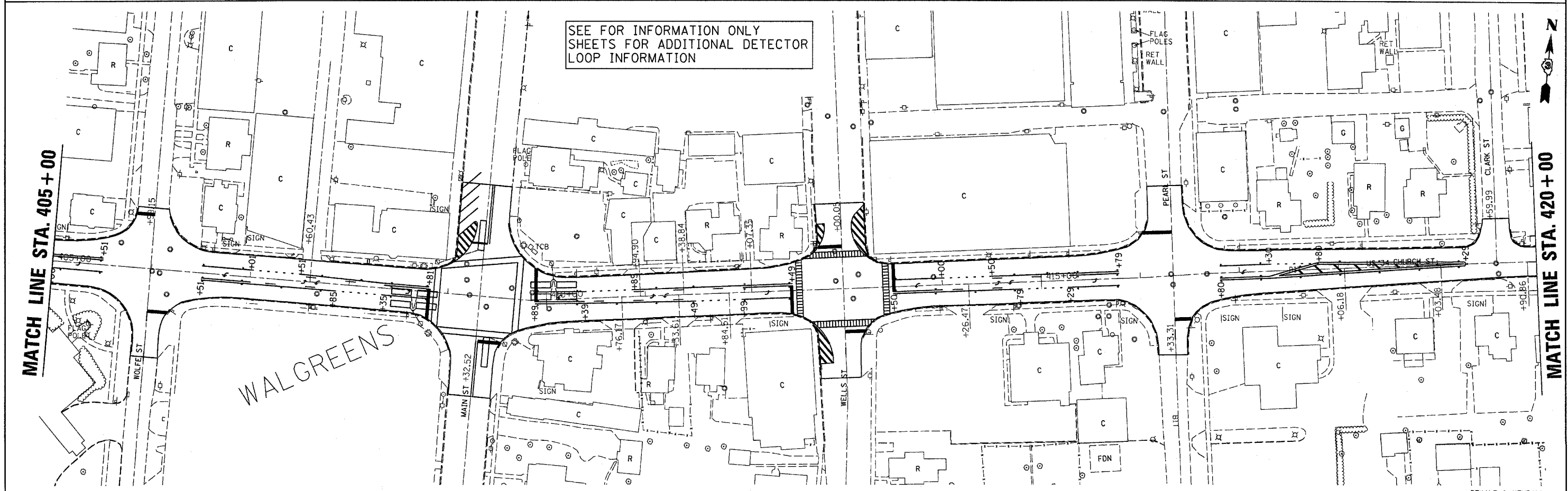
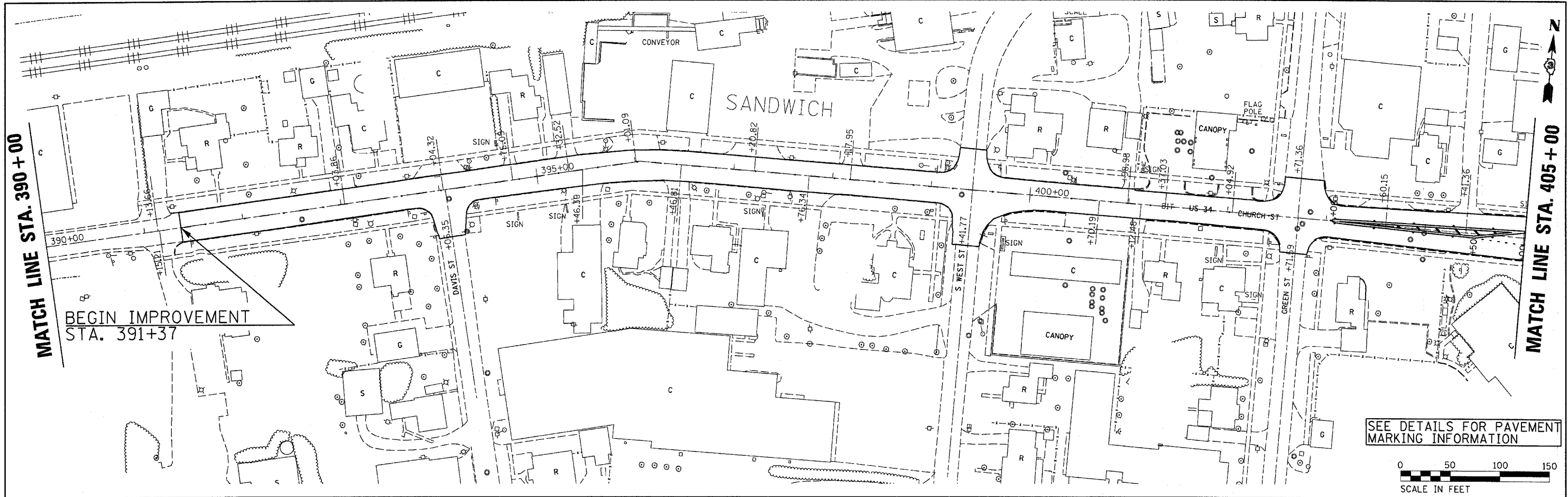
LOCATION	THERMOPLASTIC									TEMPORARY PAINT						RAISED REFL PAVT MARKER EACH	SHORT TERM PVT MK FOOT	
	LTRS & SYM	4"		6"		8"	12"		24"	LTRS & SYM	4"	6"	8"	12"	24"			
	WHITE SQ FT	YELLOW FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	WHITE FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	WHITE SQ FT	YELLOW FOOT	YELLOW FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT			
416+80 TO 419+29																		
TURN LANE	15.6					64				15.6			64				2	159
MEDIAN		875						55.7			875			55.7			15	264
419+92 TO 422+66																		
CENTERLINE				70								70					7	24
CROSSWALK					65			66										
TERRY STREET RT																		
CROSSWALK					55			54										
423+26 TO 427+76																		
CENTERLINE				120													11	36
427+76 TO 429+24																		
MEDIAN		512						18.3			512						13	153
429+78 TO 432+28																		
TURN LANE	31.2					124				31.2			124				3	318
MEDIAN		776						61.4			776			61.4			19	234
433+25 TO 436+16																		
TURN LANE	62.4					255				62.4			255				6	639
MEDIAN		582									582						14	174
STOPBAR									26									
LATHAM STREET																		
ISLAND						92	59.3											
CENTERLINE		82																24
STOPBAR									34									
436+94 TO 439+14																		
MEDIAN		844						77			844			77			19	252
STOPBAR									26								26	
439+14 TO 452+50																		
CENTERLINE				340								340					33	102
EDGELINES			1585															
452+50 TO 455+00																		
DOUBLE NO PASS ZONE		500									500						6	150
RT/THRU ARROWS	52									52								
GRISWOLD SPRINGS LT																		
SHOULDER						121	66.7											
GRISWOLD SPRINGS RT																		
SHOULDER						122	80.4											
455+00 TO 464+14																		
CENTERLINE				230								230					23	69
EDGELINES			1828															
SUBTOTALS	364	9797		2251		1543		1300.3	374	364	6068	1180	887	232	172		265	5568
KENDALL CO.																		
464+14 TO 470+15																		
CENTERLINE				20								20					2	6
TURN LANE	93.6					405				93.6			375				10	1440
MEDIAN		1502						74.8			1502			74.8			24	450
EDGELINES			951															
STOPBAR									41								23	
ISLAND						76	33											24
DUVICK AVENUE LT																		
RR XING	61.2				409													
STOPBAR									108									
CENTERLINE		150																12
EDGELINES			213															

\*DEKALB & KENDALL

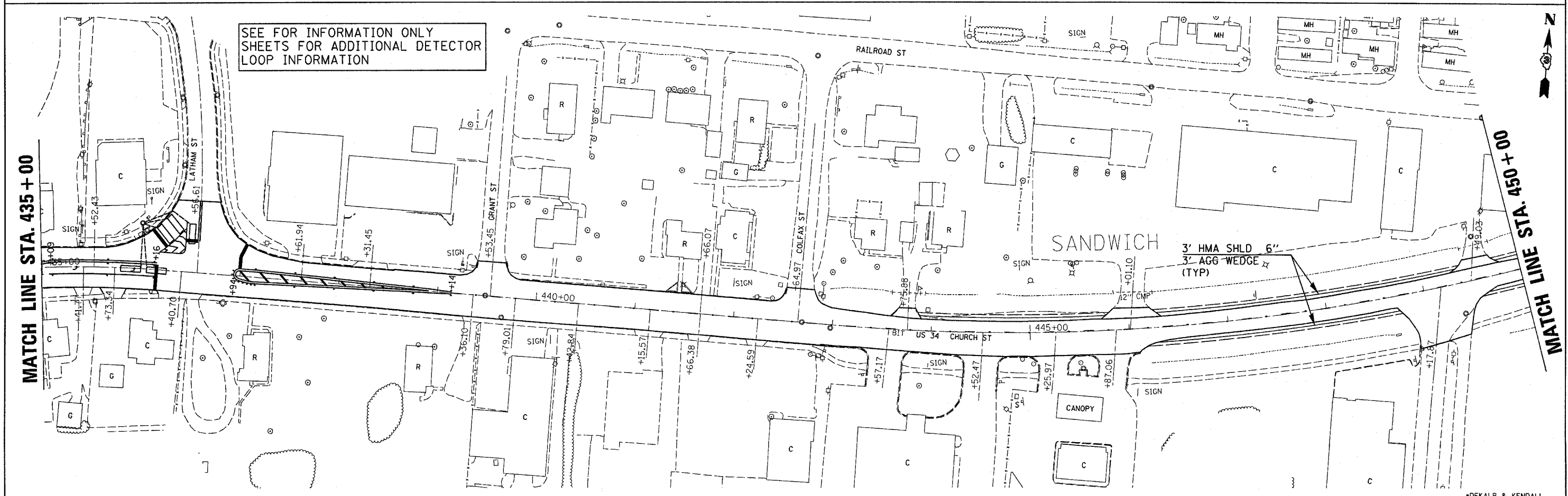
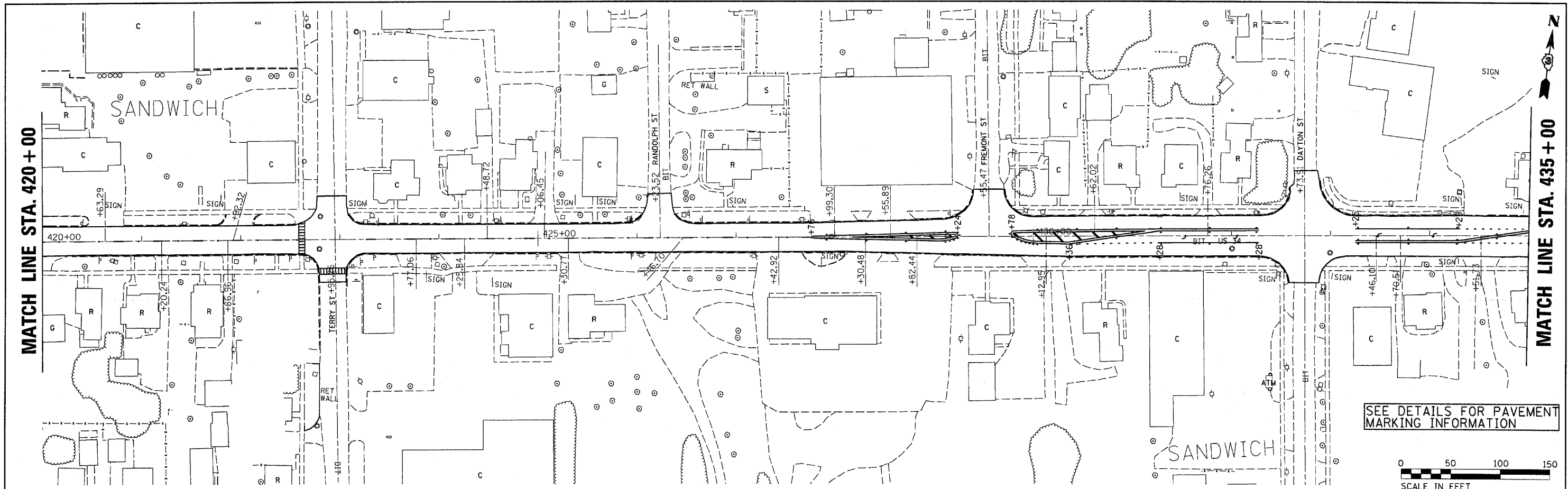
PAVEMENT MARKING (CONT.)

LOCATION	THERMOPLASTIC									TEMPORARY PAINT						RAISED REFL PAVT MARKER	SHORT TERM PVT MK	
	LTRS & SYM	4"		6"		8"	12"		24"	LTRS & SYM	4"	6"	8"	12"	24"			
	WHITE SQ FT	YELLOW FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	WHITE SQ FT	YELLOW FOOT	YELLOW FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	EACH			FOOT
470+71 TO 481+60																		
TURN LANE	124.8							688		124.8				620			17	1260
MEDIAN		3742									3742			508			62	1122
STOPBAR									66							66		
ISLAND							121	108.9										36
EDGELINES			2017															
482+36 TO 485+62																		
TURN LANE	62.4							340		62.4				306			8	657
MEDIAN		986									986						26	297
EDGELINES			716											68.3				
STOPBAR									26									
485+90 CE																		
MEDIAN		54																
STOPBAR									17									
486+57 TO 492+24																		
TURN LANE	31.2							149		31.2				149			4	324
MEDIAN		1890									1890						28	567
EDGELINES			1252											131.6				
492+24 TO 496+71																		
DOUBLE NO PASS ZONE		894									894						11	267
EDGELINES			894															
496+71 TO 508+71																		
CENTERLINE				300									300				30	90
NO PASS ZONE		1200									1200							
EDGELINES			2400															
508+71 TO 514+11																		
TURN LANE	31.2							155		31.2				155			4	324
MEDIAN		1792									1792						28	537
EDGELINES			1037											103.3				
SANDY BLUFF RD LT																		
RR XING	61.2																	
STOPBAR									61									
EDGELINES			180															
SANDY BLUFF RD RT																		
EDGELINES			80															
514+82 TO 520+23																		
TURN LANE	31.2							155		31.2				155			4	324
MEDIAN		1792									1792						28	537
EDGELINES			1061											105.8				
520+23 TO 522+35																		
CENTERLINE				60									60				5	18
NO PASS ZONE		212									212							
EDGELINES			424															
SUBTOTALS	496.8	25439		789		2089		1133.7	319	374.4	14010	380	1760	992	115		291	8292
TOTALS	860.8	35236		3040		3632		2434	693	738.4	20078	1560	2647	1224	287		556	13860

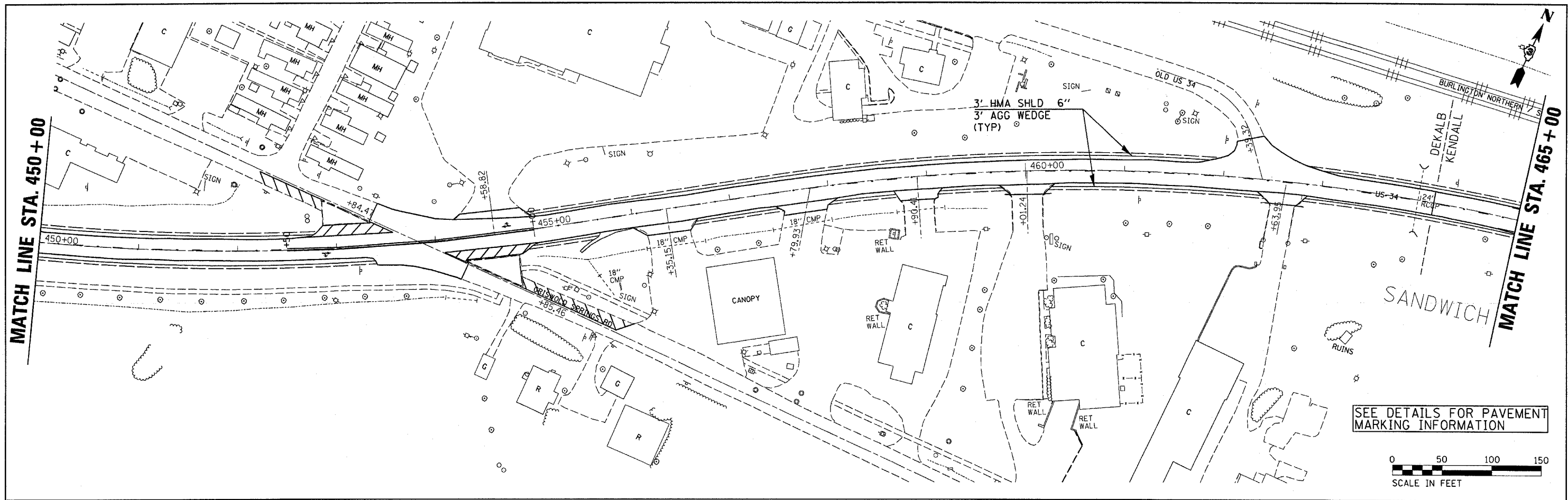
\*DEKALB & KENDALL



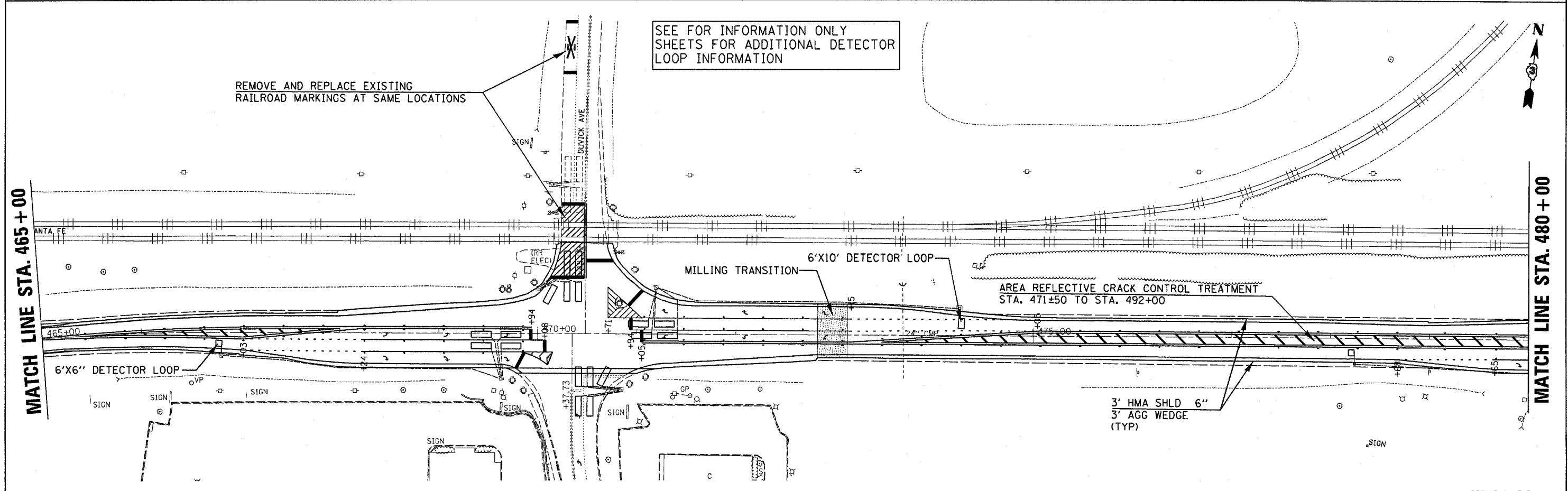
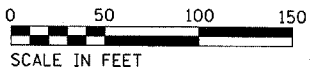
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				SCALE:		SHEET NO. 1 OF 5 SHEETS	STA. 390+00	TO STA. 420+00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



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PLOT DATE = Oct 18, 2007 - 03:14:14 PM	DATE -	REVISED -	*DEKALB & KENDALL									



SEE DETAILS FOR PAVEMENT MARKING INFORMATION



SEE FOR INFORMATION ONLY SHEETS FOR ADDITIONAL DETECTOR LOOP INFORMATION

REMOVE AND REPLACE EXISTING RAILROAD MARKINGS AT SAME LOCATIONS

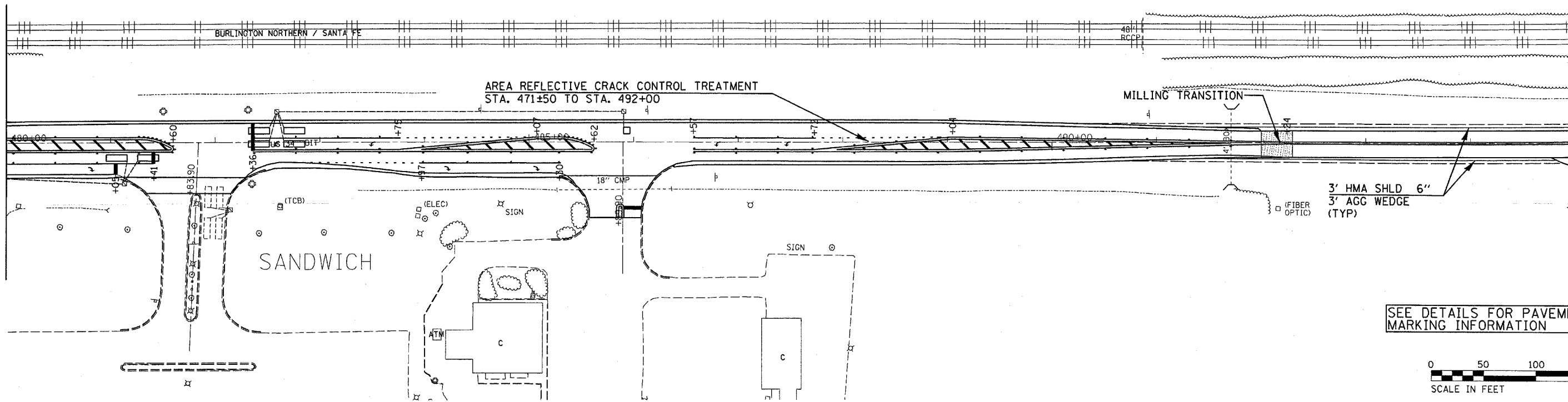
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\*DEKALB & KENDALL

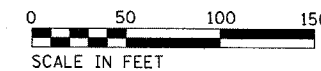
SEE FOR INFORMATION ONLY  
SHEETS FOR ADDITIONAL DETECTOR  
LOOP INFORMATION

MATCH LINE STA. 480+00

MATCH LINE STA. 495+00

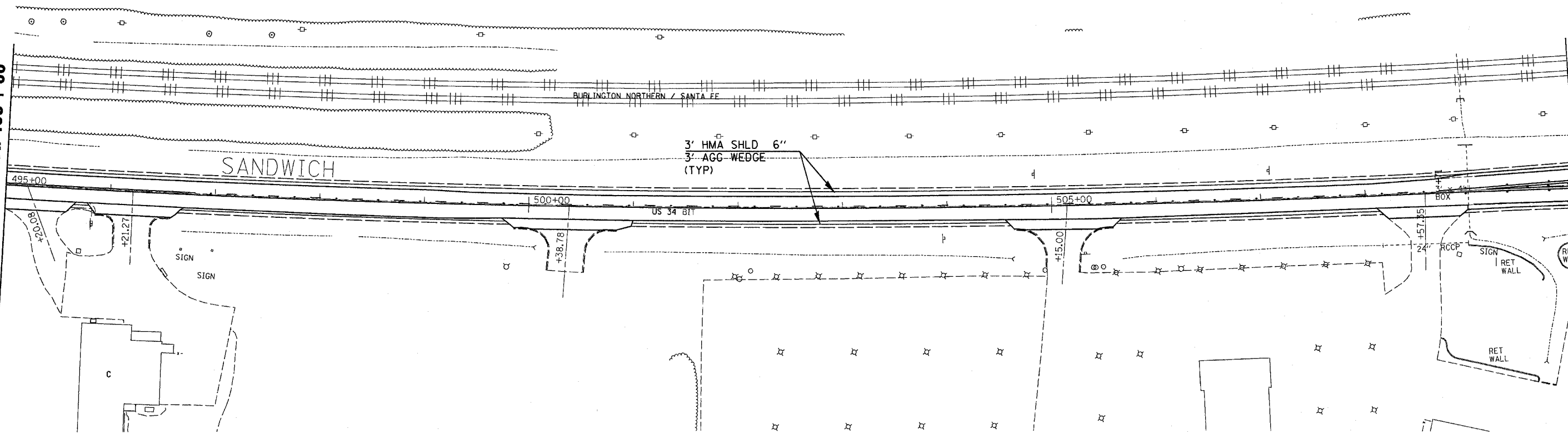


SEE DETAILS FOR PAVEMENT  
MARKING INFORMATION



MATCH LINE STA. 495+00

MATCH LINE STA. 510+00



FILE NAME =  
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DESIGNED -  
DRAWN -  
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DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

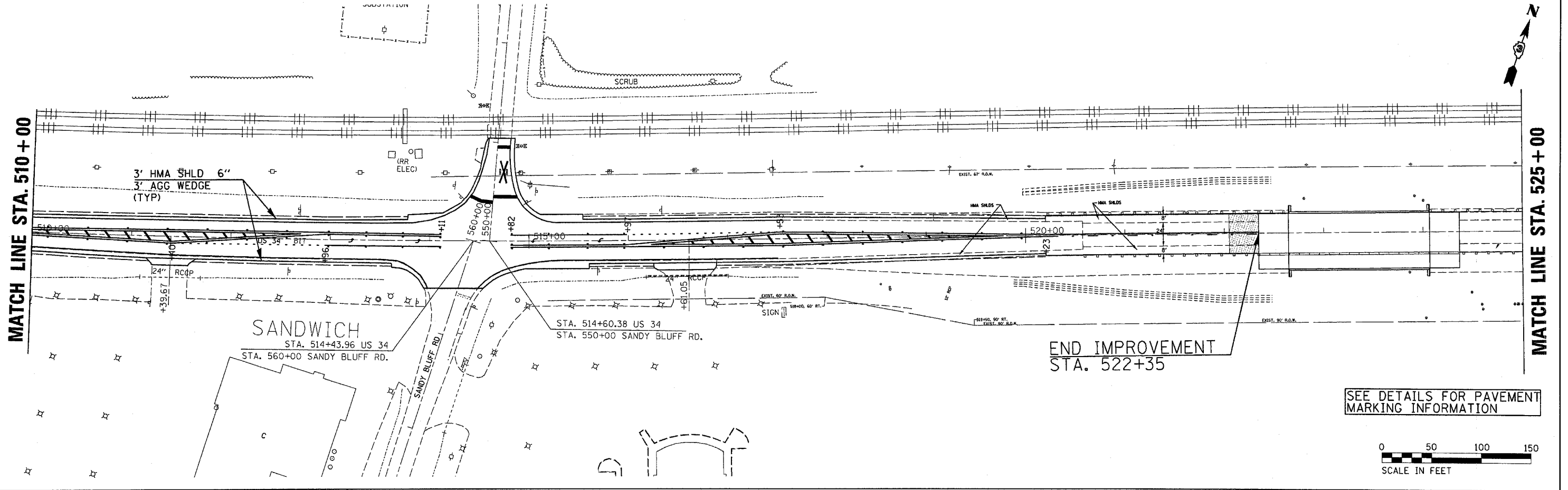
SCALE: SHEET NO. 4 OF 5 SHEETS STA. 480+00 TO STA. 510+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 66682	

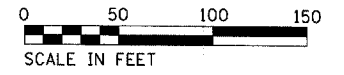
\*DEKALB & KENDALL

MATCH LINE STA. 510 + 00

MATCH LINE STA. 525 + 00

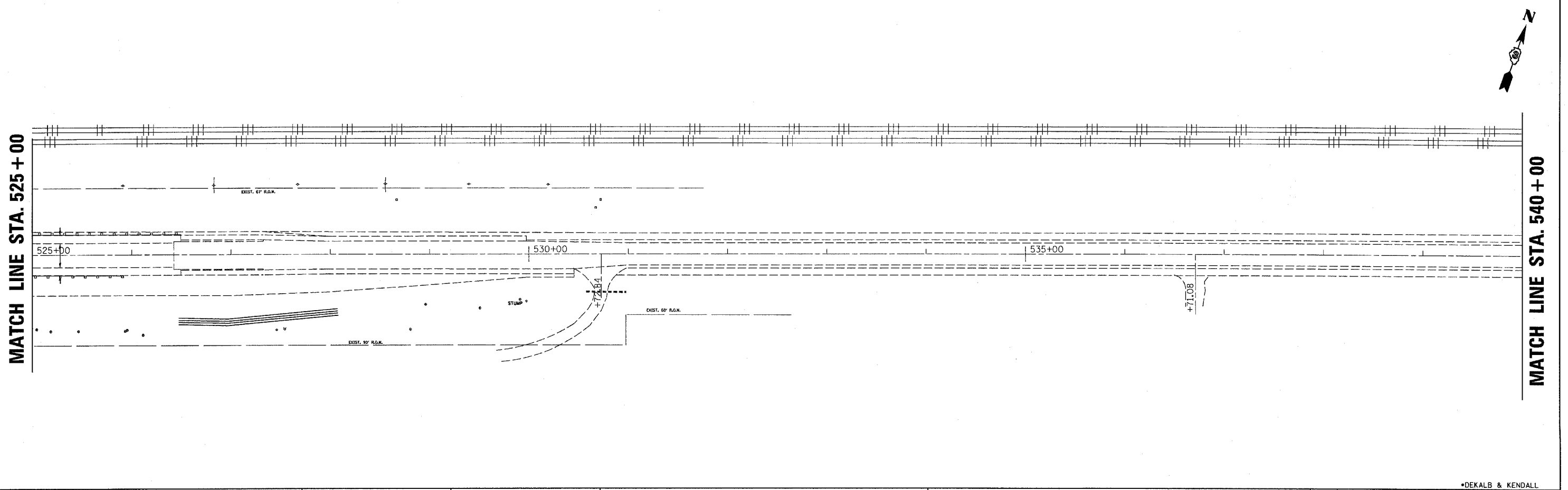


SEE DETAILS FOR PAVEMENT MARKING INFORMATION



MATCH LINE STA. 525 + 00

MATCH LINE STA. 540 + 00



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	DATE -	REVISED -

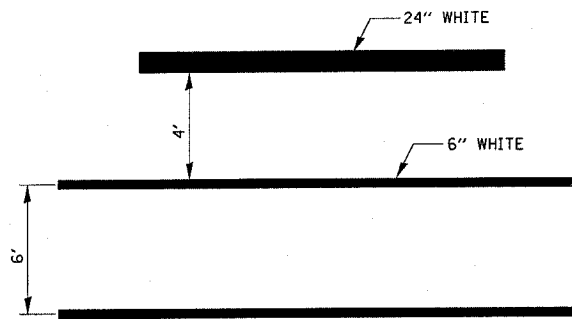
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

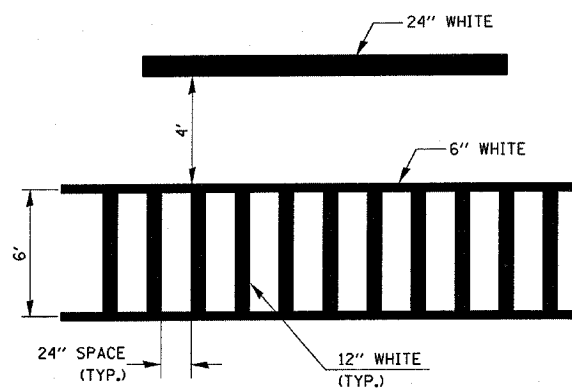
SCALE: SHEET NO. 5 OF 5 SHEETS STA. 510+00 TO STA. 540+00

*DEKALB & KENDALL				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 66682				

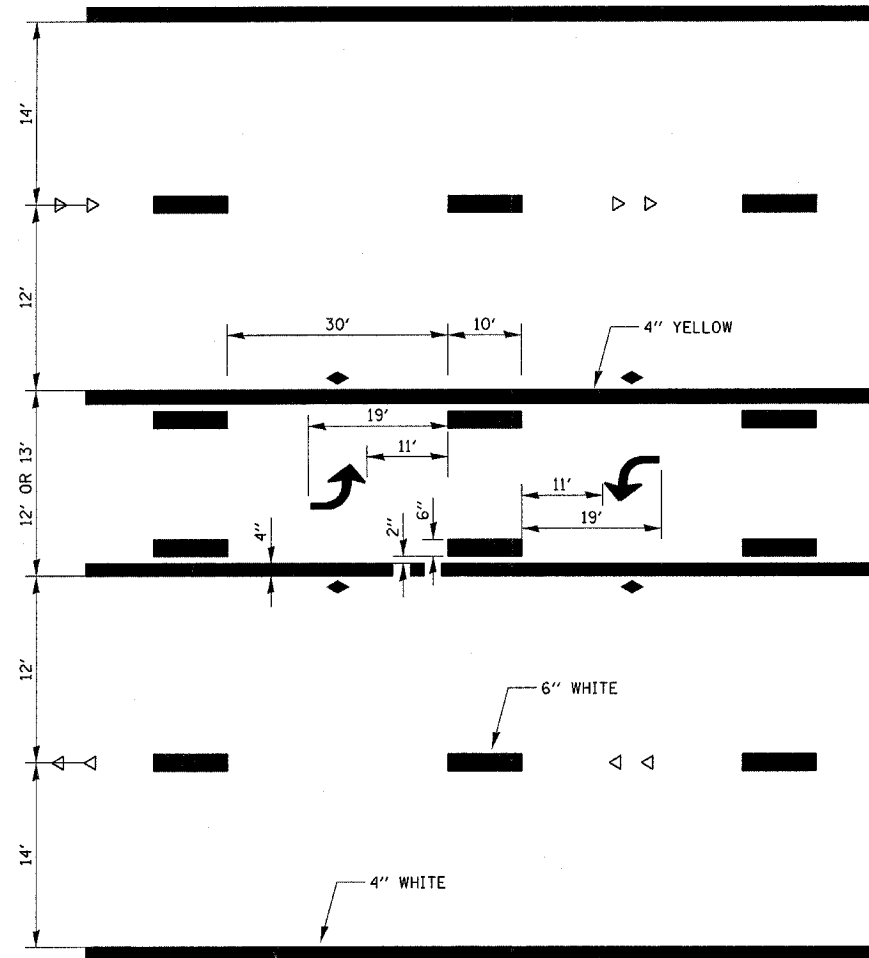




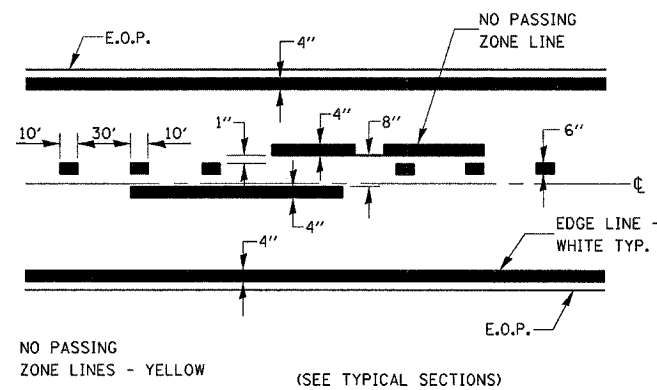
**TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS**



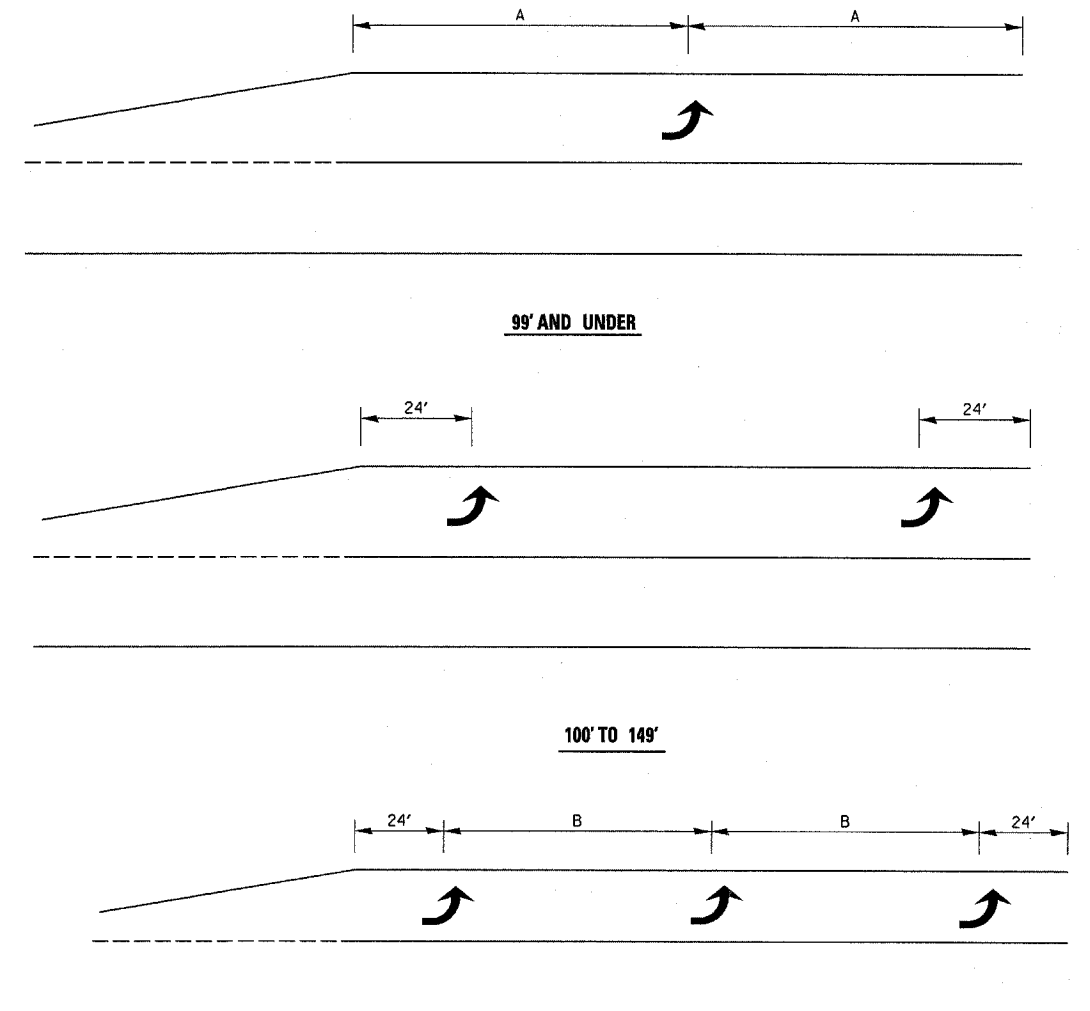
**TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS**



**TYPICAL APPLICATION @ TWO WAY LEFT TURN LANE (TWLTL)**



**PAVEMENT MARKING**



**TYPICAL PLACEMENT OF ARROWS IN TURN LANES**

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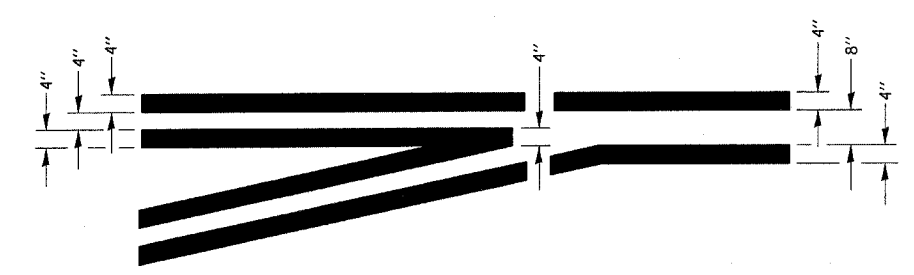
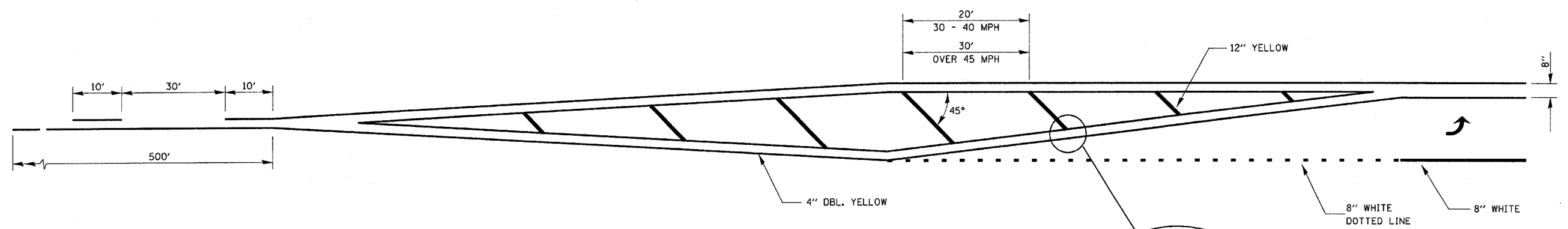
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

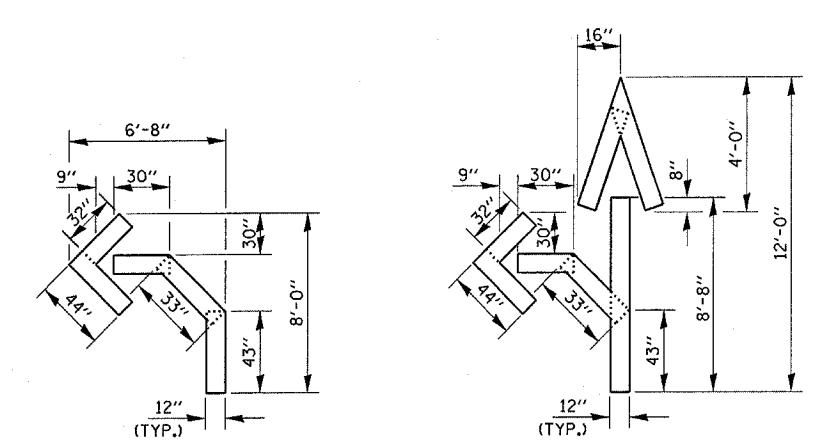
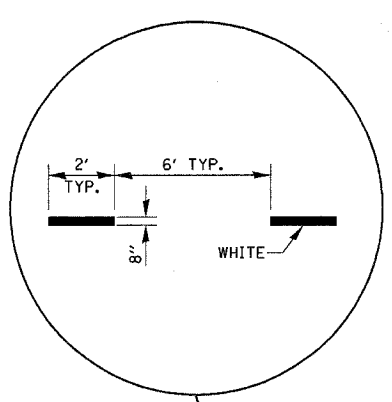
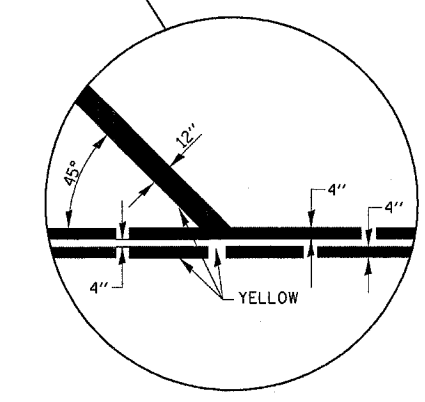
**DETAILS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 591 SECTION (15R/RS-5) COUNTY \* TOTAL SHEETS 25 SHEET NO. 17  
 \*DEKALB & KENDALL  
 CONTRACT NO. 66682  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

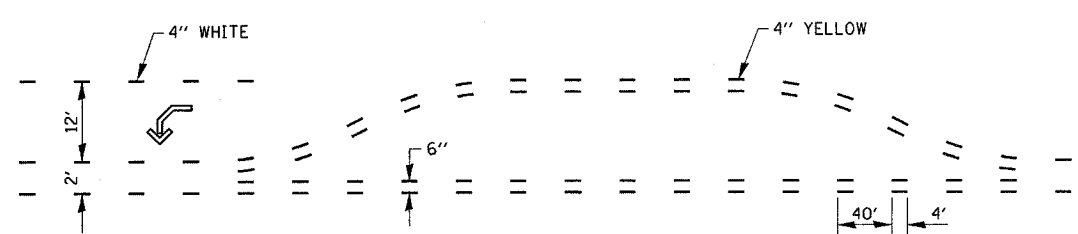


**TYPICAL APPLICATION  
@ LEFT TURN LANES**

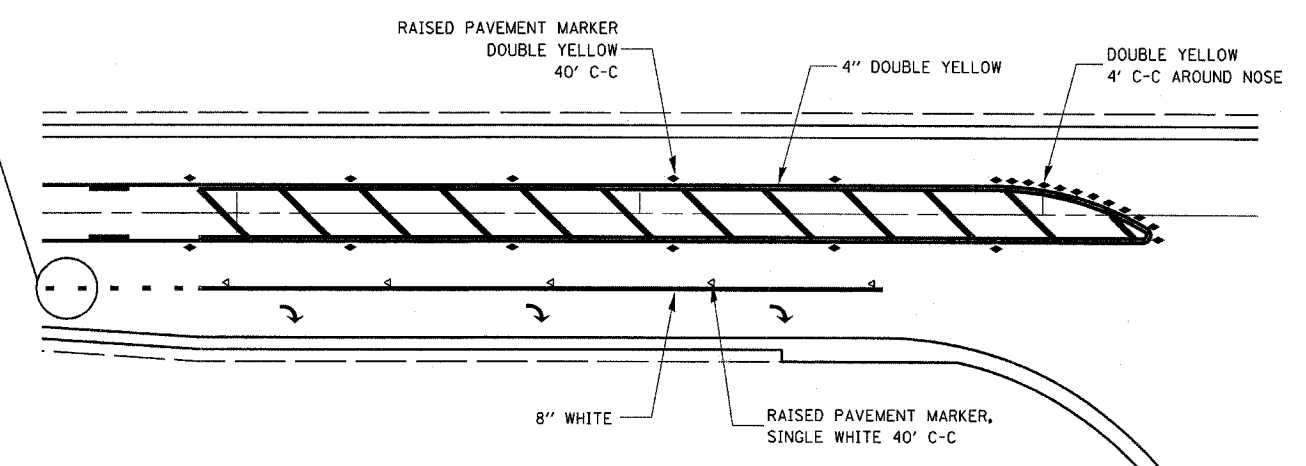


QUANTITY  
12" LINE = 16 LIN. FT.  
OR 4" LINE = 48 LIN. FT.

QUANTITY  
12" LINE = 29 LIN. FT.  
OR 4" LINE = 87 LIN. FT.



**SHORT-TERM PAVEMENT MARKING  
FOR MEDIANS AND ARROWS**

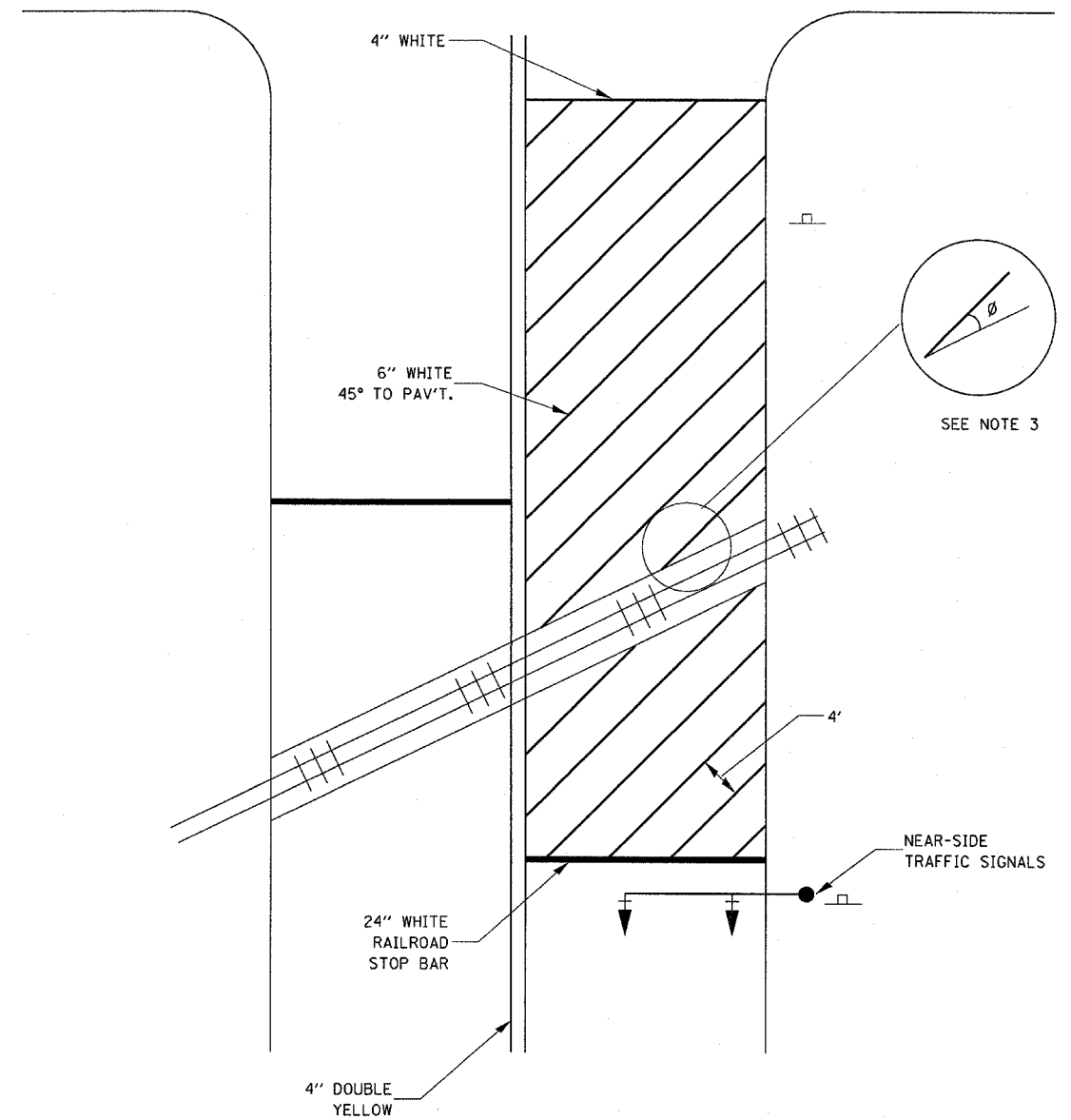
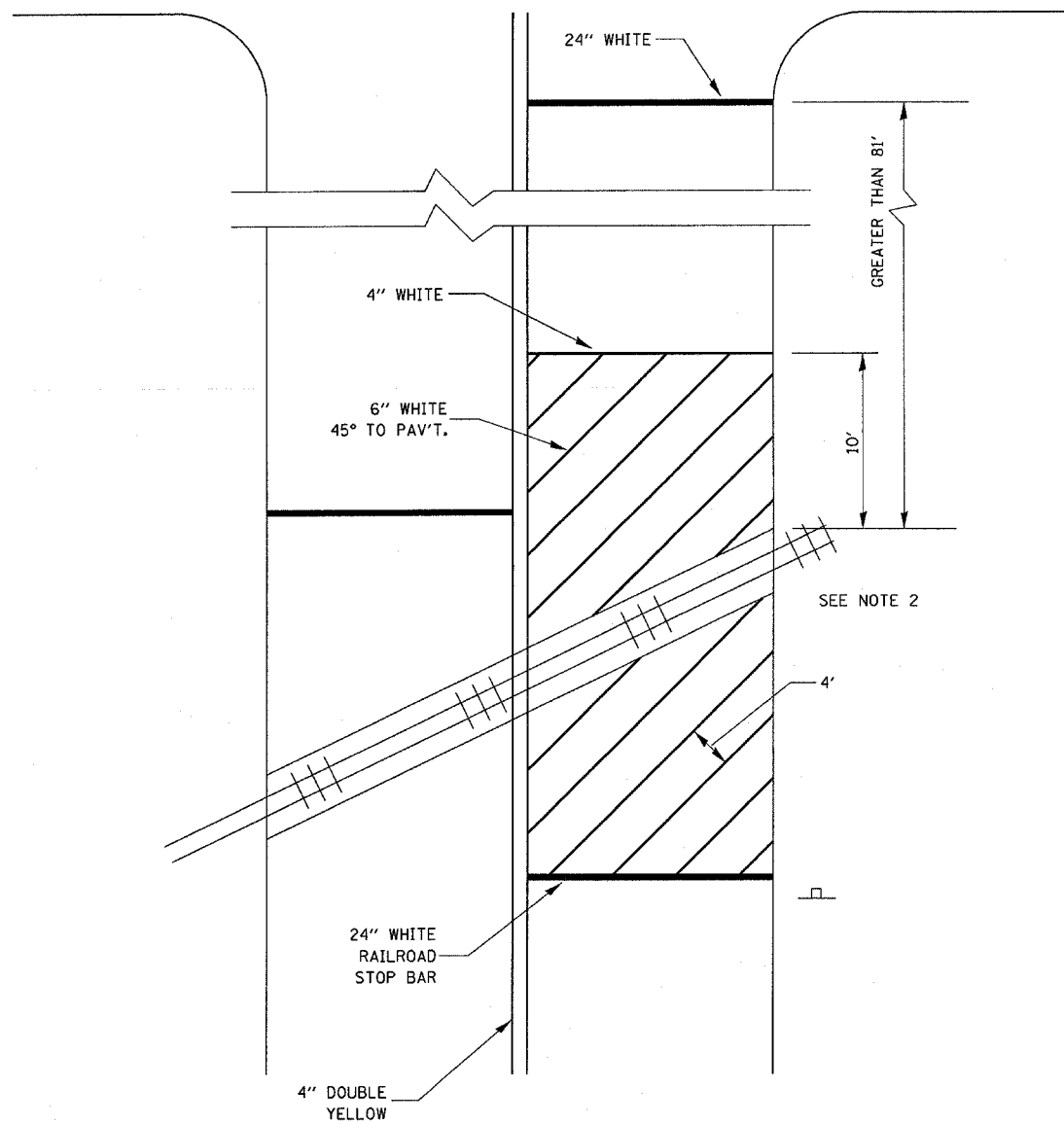


**RAISED REFLECTIVE AND PAVEMENT MARKERS  
@ RIGHT TURN LANE**

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		DATE -	REVISED -							*DEKALB & KENDALL		

**WITH INTERSECTION TRAFFIC SIGNALS**

**WITH NEAR-SIDE TRAFFIC SIGNALS**



**TYPICAL PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS**

- NOTE:
1. PAVEMENT MARKINGS TO BE INSTALLED ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
  2. WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.
  3. WHERE THE ANGLE BETWEEN THE DIAGONAL STRIPES AND THE TRACK (Ø) WOULD BE LESS THAN APPROXIMATELY 20°, THE STRIPES SHOULD BE SLOPED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

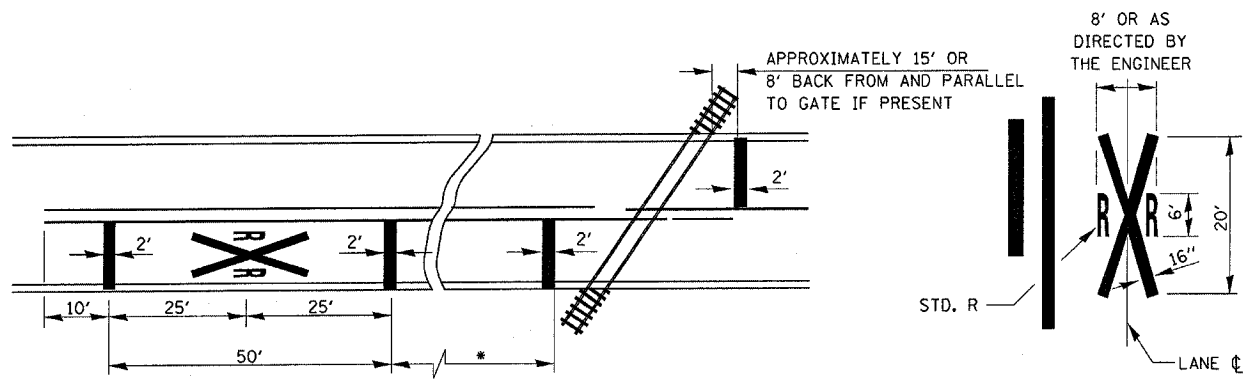
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

•DEKALB & KENDALL				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	(15R)RS-5	*	25	19
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 66682	

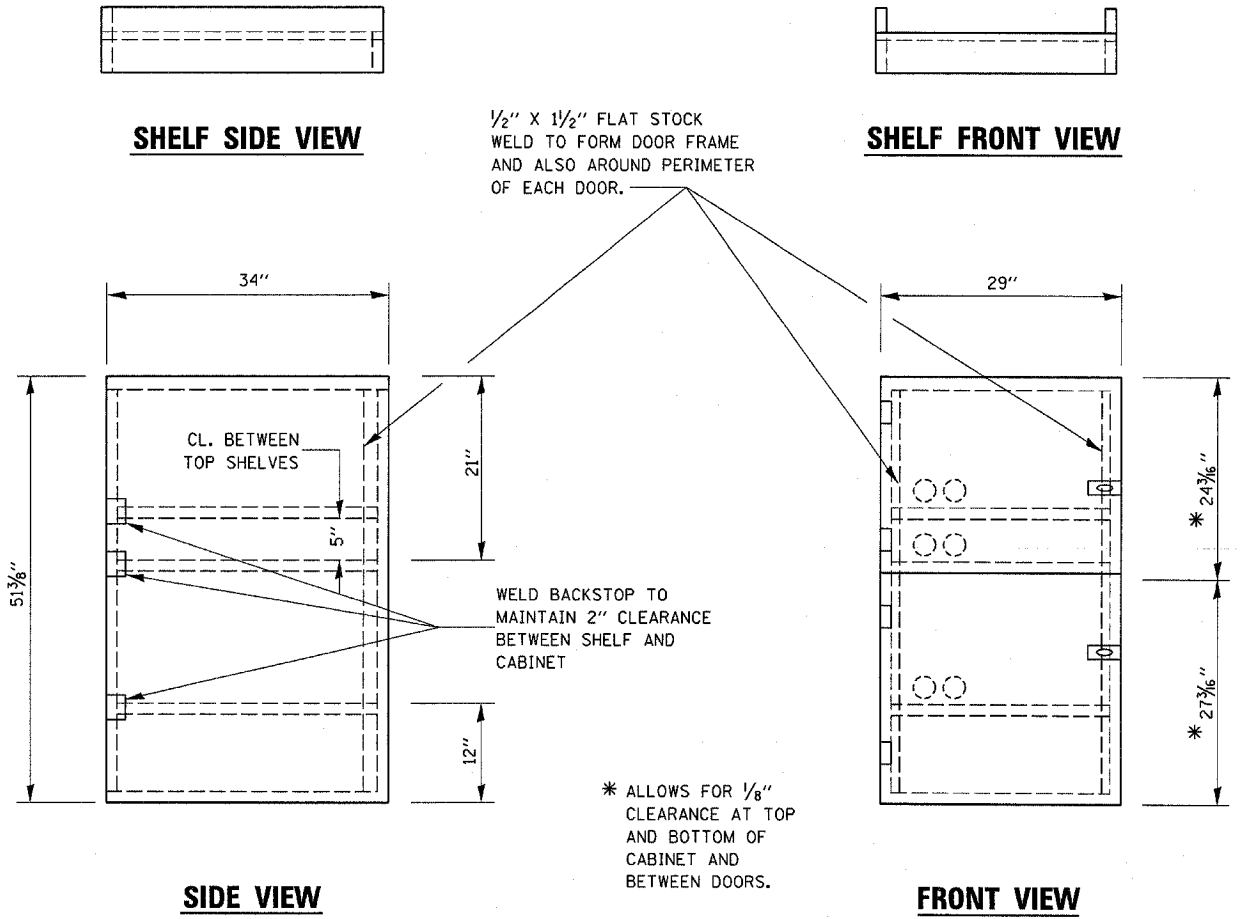


\* MINIMUM DISTANCE  
400' FOR 55 MPH  
250' FOR 45 MPH  
100' FOR 35 MPH OR LESS

NOTES:  
THE TRANSVERSE SPREAD OF THE "X"  
MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES  
SHALL EXTEND ACROSS ALL APPROACH  
LANES AND SEPARATE RXR SYMBOLS SHALL  
BE PLACED ADJACENT TO EACH OTHER  
IN EACH LANE.

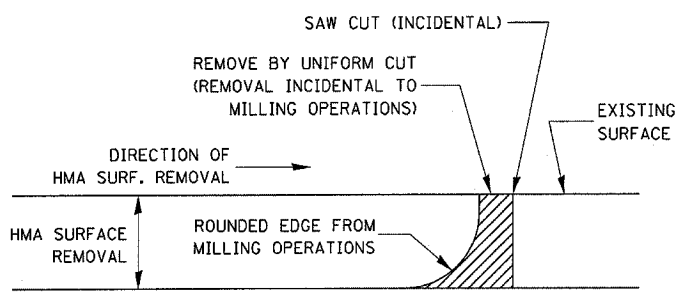
**PAVEMENT MARKINGS AT  
RAILROAD-HIGHWAY GRADE CROSSING**



**SIDE VIEW**

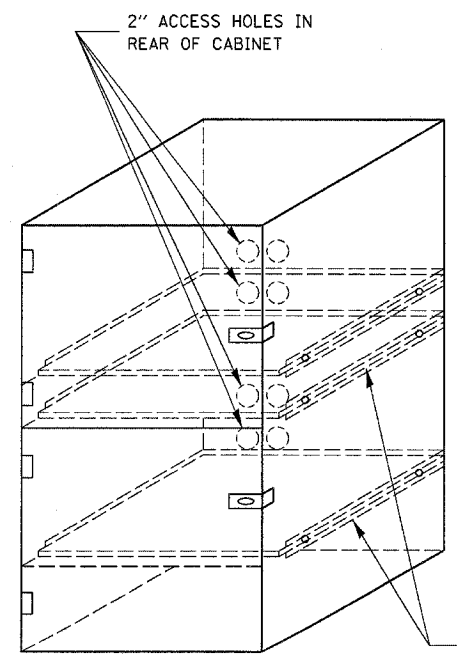
**FRONT VIEW**

\* ALLOWS FOR 1/8" CLEARANCE AT TOP AND BOTTOM OF CABINET AND BETWEEN DOORS.



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**

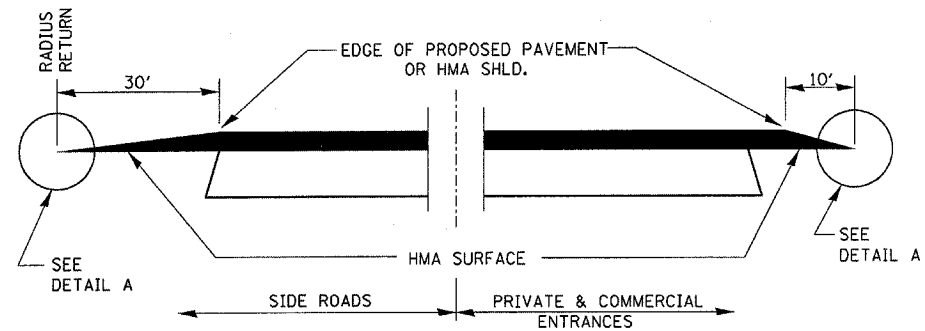


FLAT STOCK DIMENSIONS VARY  
DEPENDING ON TYPE OF  
ROLLER ASSEMBLY

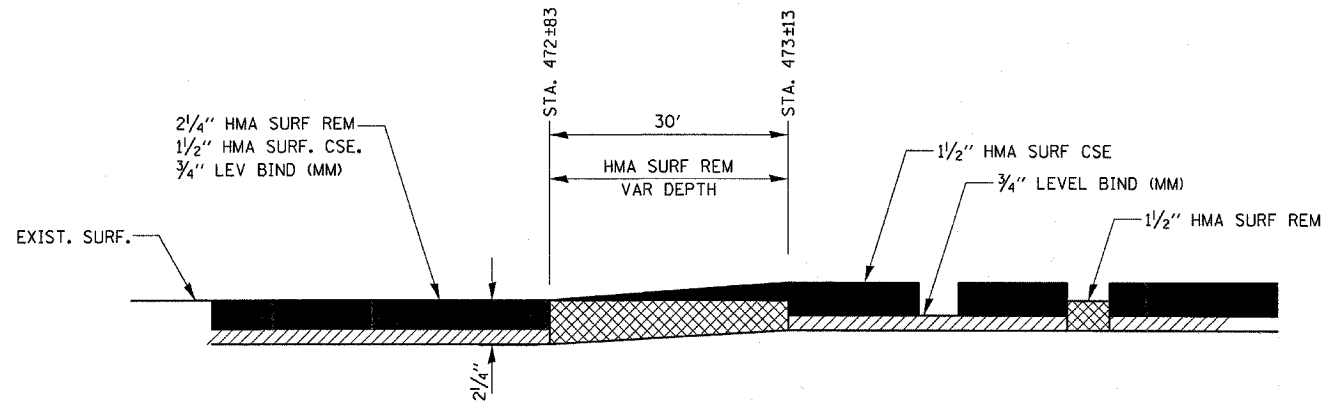
- NOTES:
1. USE 16 GAUGE STEEL FOR CABINET.
  2. THE TOP SHELF SHALL SLIDE IN OR OUT WITH THE TOP DOOR OPEN.
  3. ALL HINGES AND HASPS WILL BE WELDED TO THE CABINET.
  4. ALL EDGES SHALL BE GROUND SMOOTH.
  5. TWO (2" DIA.) ACCESS HOLES WILL BE REQUIRED FOR EACH SHELF.
  6. CABINET SHALL BE PAINTED WITH TWO COATS OF FLAT PAINT.
  7. 2 EACH MATCHING KEY PADLOCKS, WITH 3 KEYS PROVIDED, MASTER MODEL 3 T OR EQUIVALENT.
  8. 4 EACH PLAIN STEEL, NON-REMOVABLE PIN, NO HOLE 4" x 4" SQUARE CORNER HINGES TO BE WELDED ON.
  9. 2 EACH EXTRA HEAVY, PLAIN STEEL, FIXED STAPLE, NO HOLE, 7/4" HASPS TO BE WELDED ON.

**LOCKABLE COMPUTER CABINET**

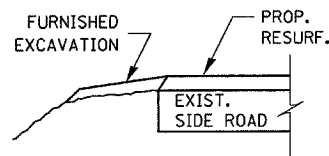
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PLOT DATE = Oct 18, 2007 - 03:16:49 PM	DATE -	DATE -	REVISED -		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT							
*DEKALB & KENDALL													



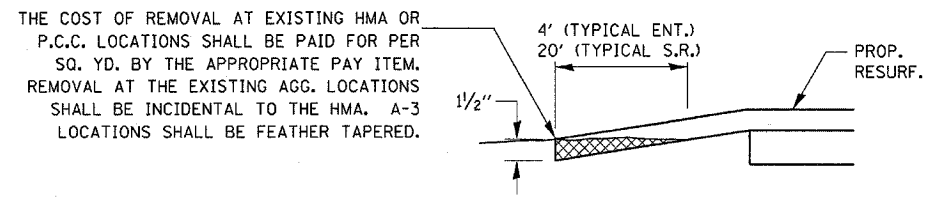
**SECTION A-A**  
**DETAILS AT ENTRANCES & SIDE ROADS**



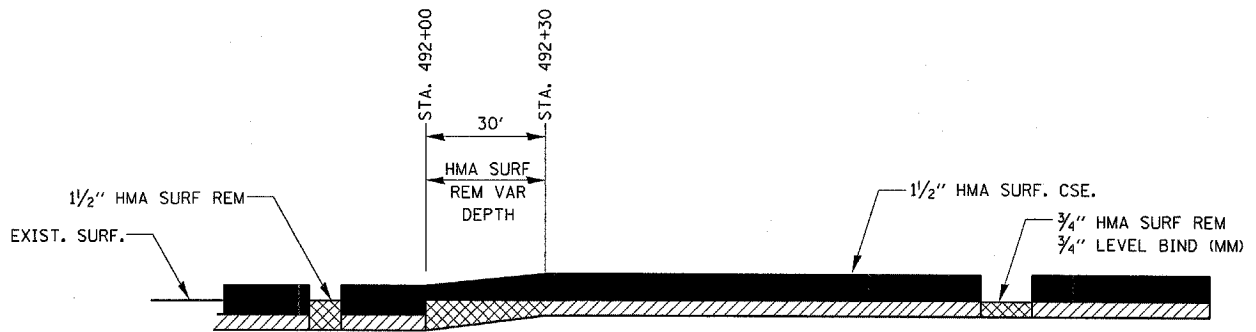
**MILLING AND RESURFACING TAPER**



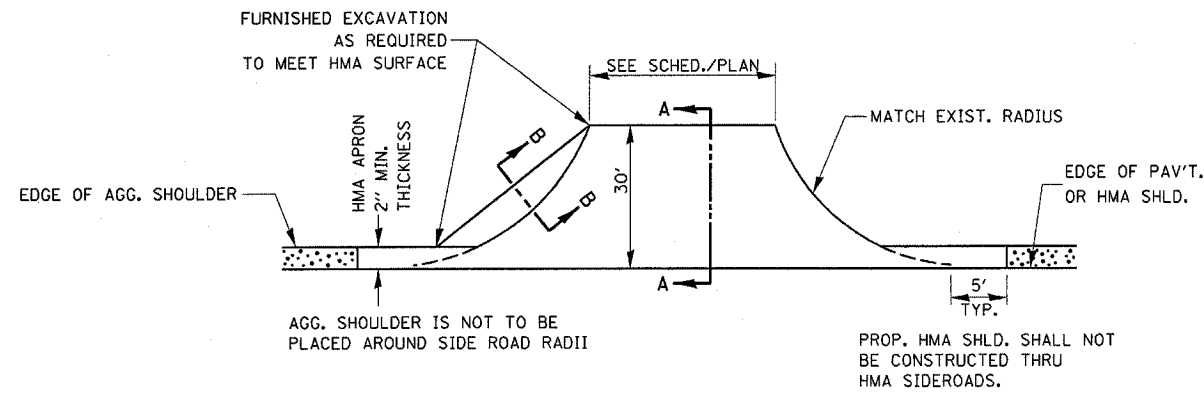
**SECTION B-B**



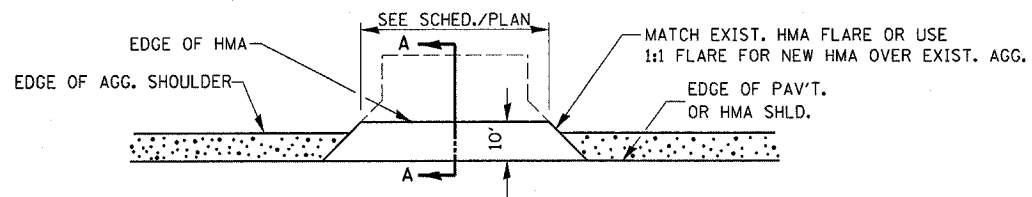
**DETAIL A**



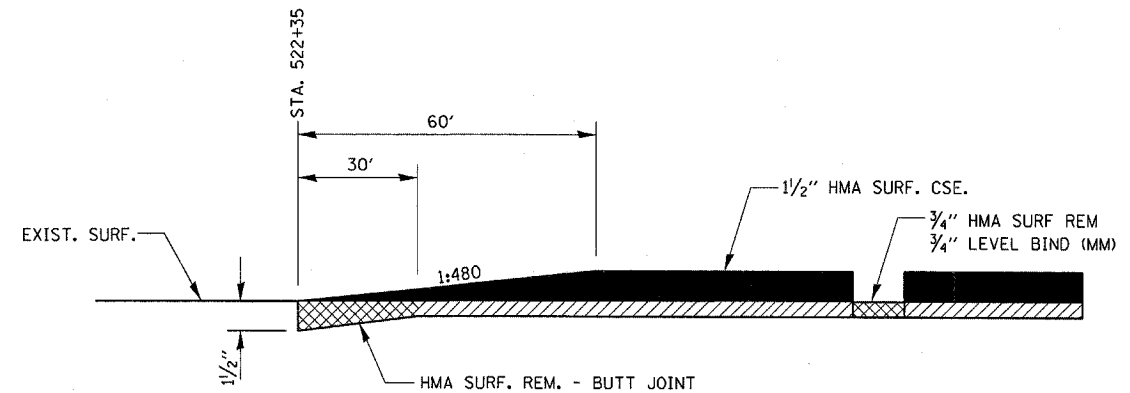
**MILLING AND RESURFACING TAPER**



**PLAN AT SIDE ROADS**



**PLAN AT PRIVATE & COMMERCIAL ENTRANCES**  
(DO NOT RESURFACE FIELD ENTRANCES)



**HMA SURF REM - BUTT JOINT**  
**END OF IMPROVEMENT**

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











**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DETAILS**

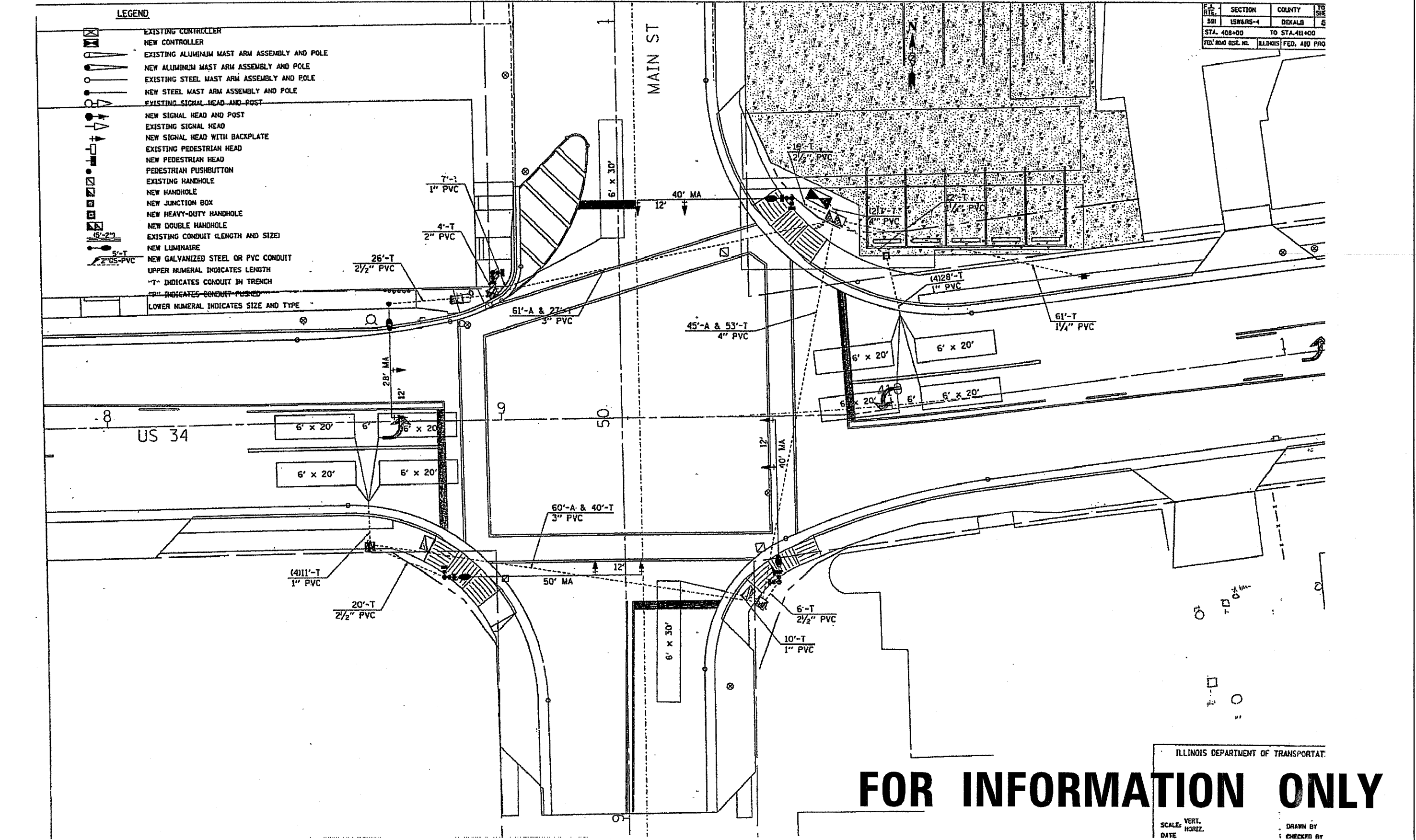
SCALE: SHEET NO. OF SHEETS STA. TO STA.

*DEKALB & KENDALL				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	(15R/RS-5)	*	25	21
CONTRACT NO. 66682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**LEGEND**

-  EXISTING CONTROLLER
-  NEW CONTROLLER
-  EXISTING ALUMINUM MAST ARM ASSEMBLY AND POLE
-  NEW ALUMINUM MAST ARM ASSEMBLY AND POLE
-  EXISTING STEEL MAST ARM ASSEMBLY AND POLE
-  NEW STEEL MAST ARM ASSEMBLY AND POLE
-  EXISTING SIGNAL HEAD AND POST
-  NEW SIGNAL HEAD AND POST
-  EXISTING SIGNAL HEAD
-  NEW SIGNAL HEAD WITH BACKPLATE
-  EXISTING PEDESTRIAN HEAD
-  NEW PEDESTRIAN HEAD
-  PEDESTRIAN PUSHBUTTON
-  EXISTING HANDHOLE
-  NEW HANDHOLE
-  NEW JUNCTION BOX
-  NEW HEAVY-DUTY HANDHOLE
-  NEW DOUBLE HANDHOLE
-  EXISTING CONDUIT (LENGTH AND SIZE)
-  NEW LUMINAIRE
-  NEW GALVANIZED STEEL OR PVC CONDUIT
- UPPER NUMERAL INDICATES LENGTH
- "T" INDICATES CONDUIT IN TRENCH
- "P" INDICATES CONDUIT PUSHED
- LOWER NUMERAL INDICATES SIZE AND TYPE

F.A.P. RTE.	SECTION	COUNTY	TO STA.	TO SHEET
591	15WARS-4	DEKALB	408+00	5
			TO STA. 411+00	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJ.	



**FOR INFORMATION ONLY**

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. \_\_\_\_\_ HORIZ. \_\_\_\_\_ DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_

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PLOT SCALE = 5/8" = 1' IN.		CHECKED -	REVISED -	SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT		CONTRACT NO. 66682		
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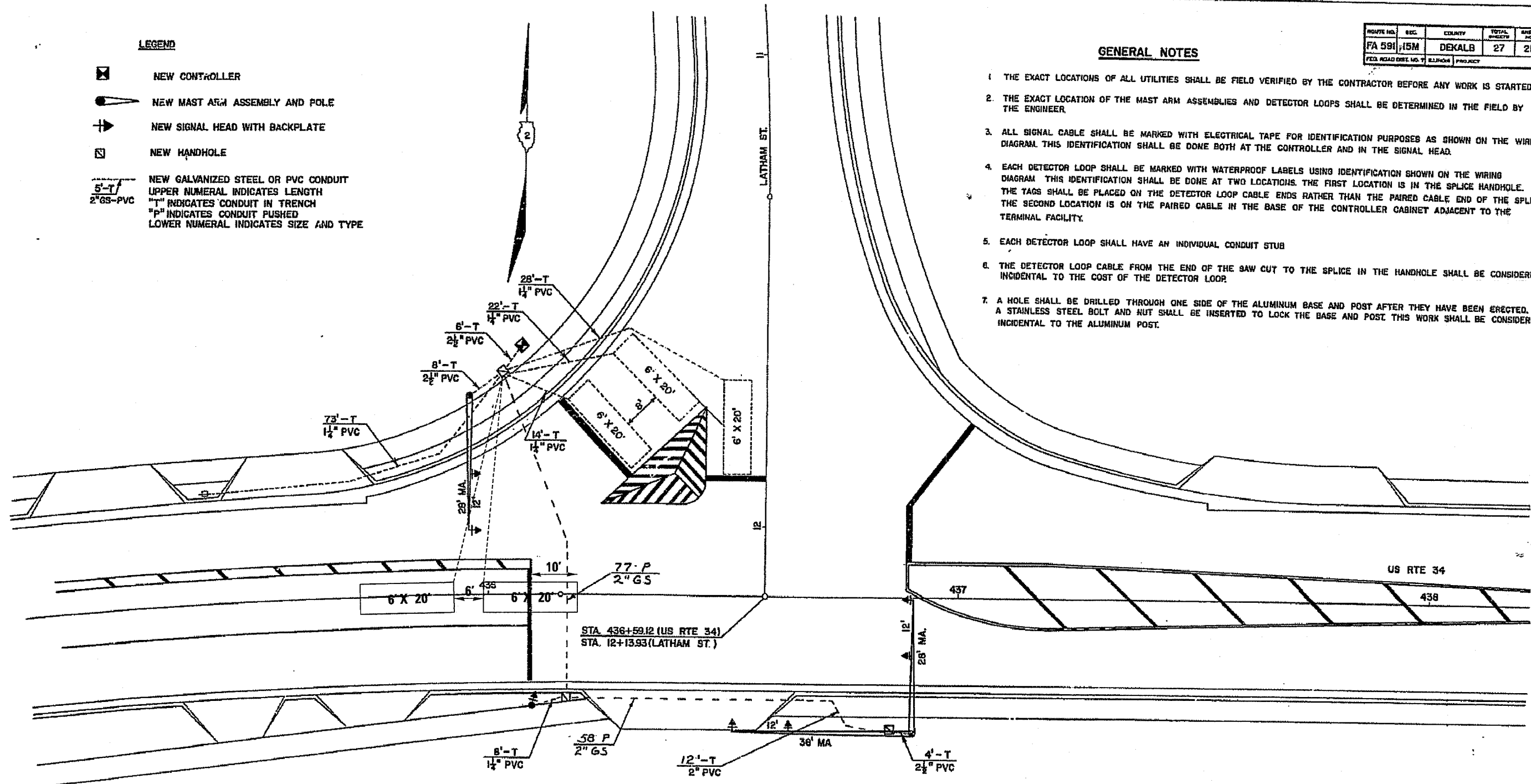
**LEGEND**

- ☒ NEW CONTROLLER
- ☛ NEW MAST ARM ASSEMBLY AND POLE
- ➔ NEW SIGNAL HEAD WITH BACKPLATE
- ☐ NEW HANDHOLE
- 5'-T / 2"GS-PVC NEW GALVANIZED STEEL OR PVC CONDUIT  
UPPER NUMERAL INDICATES LENGTH  
"T" INDICATES CONDUIT IN TRENCH  
"P" INDICATES CONDUIT PUSHED  
LOWER NUMERAL INDICATES SIZE AND TYPE

**GENERAL NOTES**

1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ANY WORK IS STARTED.
2. THE EXACT LOCATION OF THE MAST ARM ASSEMBLIES AND DETECTOR LOOPS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
3. ALL SIGNAL CABLE SHALL BE MARKED WITH ELECTRICAL TAPE FOR IDENTIFICATION PURPOSES AS SHOWN ON THE WIRING DIAGRAM THIS IDENTIFICATION SHALL BE DONE BOTH AT THE CONTROLLER AND IN THE SIGNAL HEAD.
4. EACH DETECTOR LOOP SHALL BE MARKED WITH WATERPROOF LABELS USING IDENTIFICATION SHOWN ON THE WIRING DIAGRAM THIS IDENTIFICATION SHALL BE DONE AT TWO LOCATIONS. THE FIRST LOCATION IS IN THE SPLICE HANDHOLE. THE TAGS SHALL BE PLACED ON THE DETECTOR LOOP CABLE ENDS RATHER THAN THE PAIRED CABLE END OF THE SPLICE. THE SECOND LOCATION IS ON THE PAIRED CABLE IN THE BASE OF THE CONTROLLER CABINET ADJACENT TO THE TERMINAL FACILITY.
5. EACH DETECTOR LOOP SHALL HAVE AN INDIVIDUAL CONDUIT STUB
6. THE DETECTOR LOOP CABLE FROM THE END OF THE SAW CUT TO THE SPLICE IN THE HANDHOLE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE DETECTOR LOOP.
7. A HOLE SHALL BE DRILLED THROUGH ONE SIDE OF THE ALUMINUM BASE AND POST AFTER THEY HAVE BEEN ERECTED. A STAINLESS STEEL BOLT AND NUT SHALL BE INSERTED TO LOCK THE BASE AND POST THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE ALUMINUM POST.

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 591	15M	DEKALB	27	21
FED. ROAD DIST. NO.	SECTION	PROJECT		



**SCHEDULE OF MAST ARM ASSEMBLIES**

STATION	DISTANCE	LENGTH
435+96±	42.0± LT.	28'
436+91 ±	30.0± RT.	28' @ 38'

**FOR INFORMATION ONLY**

DISTRICT NO 2 DIXON  
 DESIGNED  
 DRAWN B. MAYER DATE 8-87  
 CHECKED SCALE

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY

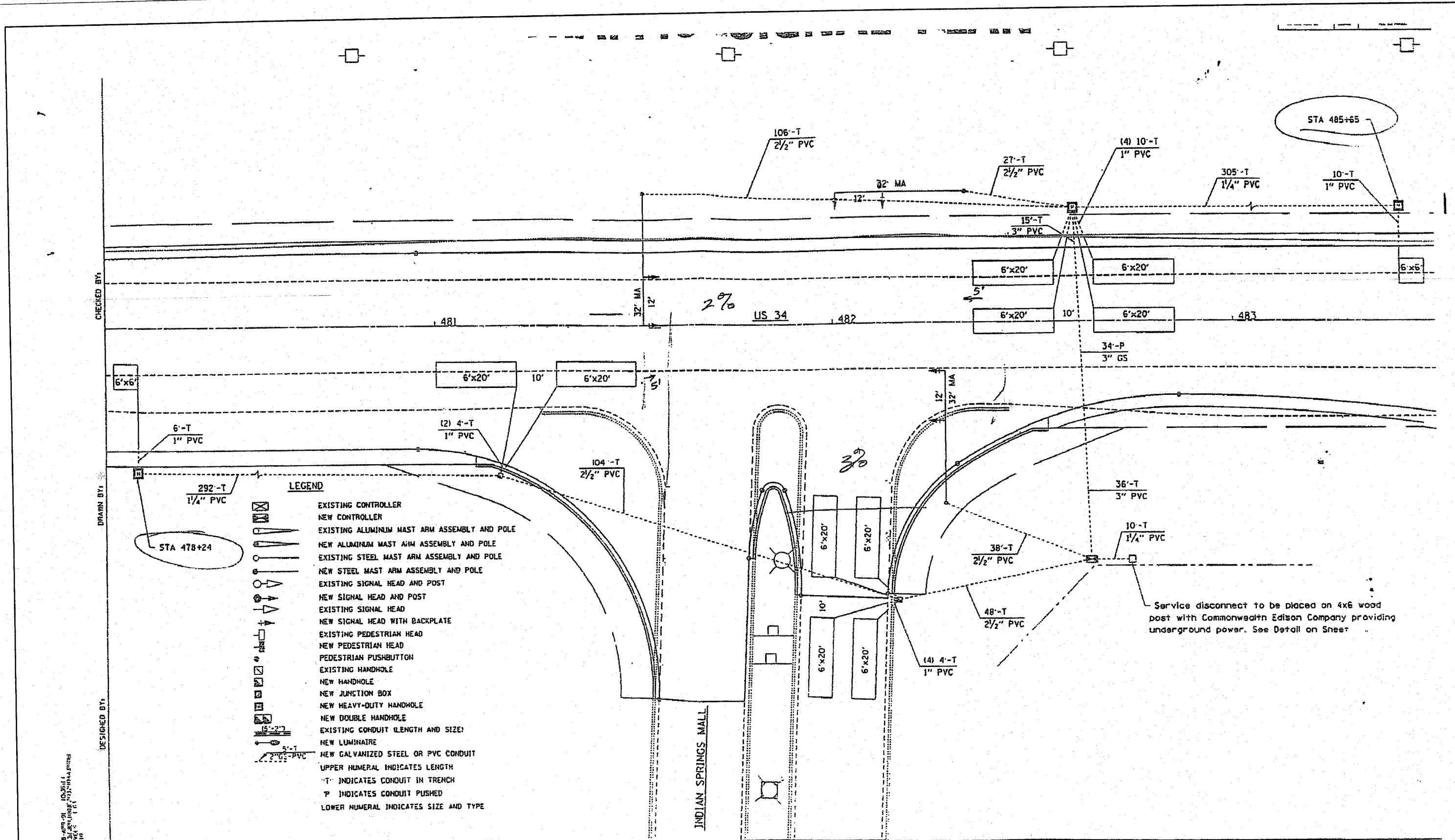
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	(15R)RS-5		25	23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 66682	

DEKALB & KENDALL







- LEGEND**
- EXISTING CONTROLLER
  - NEW CONTROLLER
  - EXISTING ALUMINUM MAST ARM ASSEMBLY AND POLE
  - NEW ALUMINUM MAST ARM ASSEMBLY AND POLE
  - EXISTING STEEL MAST ARM ASSEMBLY AND POLE
  - NEW STEEL MAST ARM ASSEMBLY AND POLE
  - EXISTING SIGNAL HEAD AND POST
  - NEW SIGNAL HEAD AND POST
  - EXISTING SIGNAL HEAD
  - NEW SIGNAL HEAD WITH BACKPLATE
  - EXISTING PEDESTRIAN HEAD
  - NEW PEDESTRIAN HEAD
  - PEDESTRIAN PUSHBUTTON
  - EXISTING HANDHOLE
  - NEW HANDHOLE
  - NEW JUNCTION BOX
  - NEW HEAVY-DUTY HANDHOLE
  - NEW DOUBLE HANDHOLE
  - EXISTING CONDUIT (LENGTH AND SIZE)
  - NEW LUMINAIRE
  - NEW GALVANIZED STEEL OR PVC CONDUIT
- UPPER NUMERAL INDICATES LENGTH  
 -T- INDICATES CONDUIT IN TRENCH  
 -P- INDICATES CONDUIT PUSHED  
 LOWER NUMERAL INDICATES SIZE AND TYPE

Service disconnect to be placed on 4x6 wood post with Commonwealth Edison Company providing underground power. See Detail on Sheet

**TRAFFIC SIGNAL PLAN**

**FOR INFORMATION ONLY**

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	(15)RS-5		25	25
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 66682				

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		DATE -	REVISED -

SCALE: SHEET NO. OF SHEETS STA. TO STA.

\*DEKALB & KENDALL