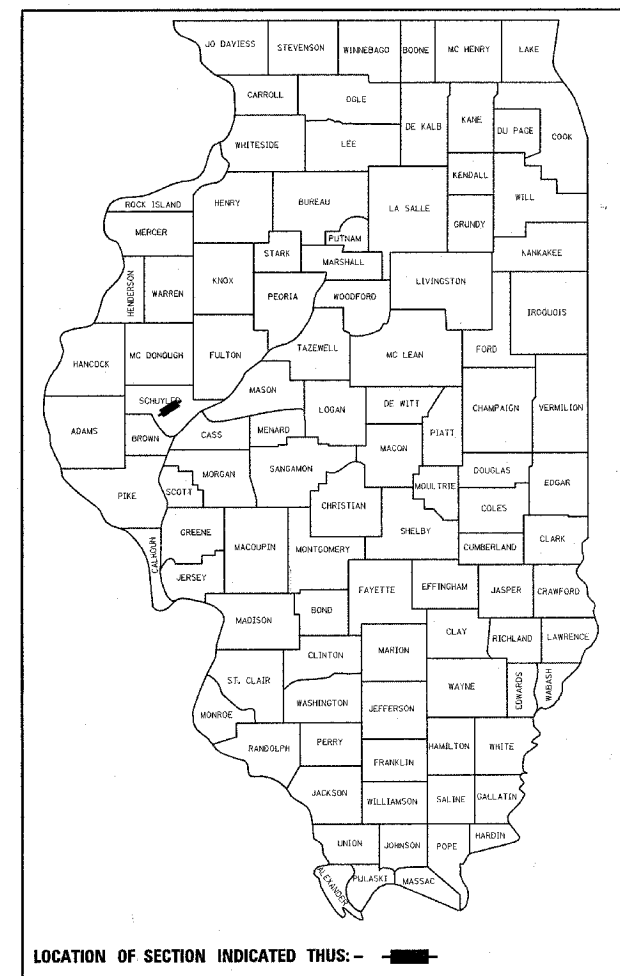


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	SCHUYLER	46	1

•310 (US 67)/317 (US 24)
 ••(87-1)I-1, TS-2

D-96-521-04



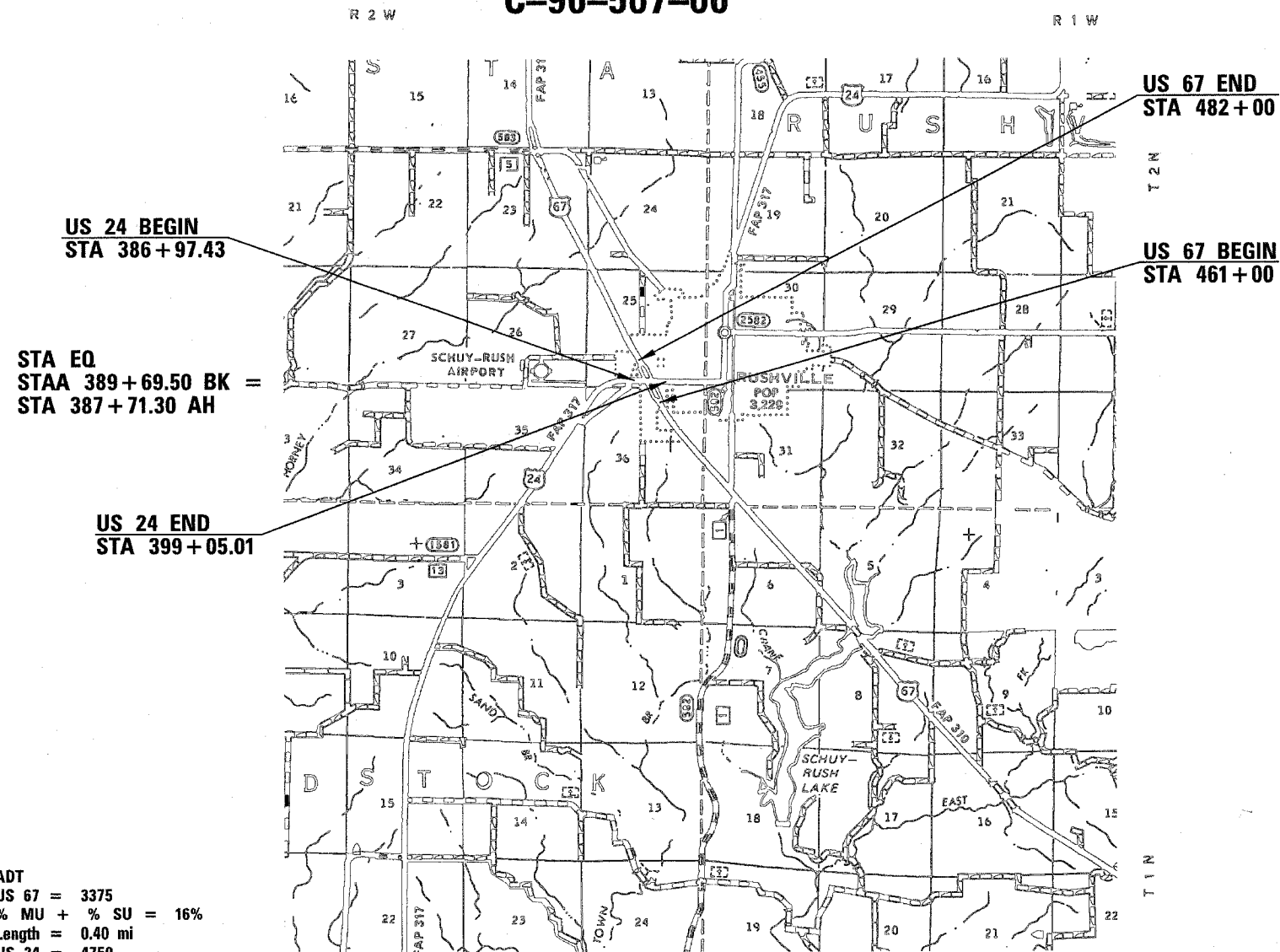
LOCATION OF SECTION INDICATED THUS: - ■ -

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

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF STANDARDS, SEE SHEET NO. 2

FAP ROUTE 310 (US 67) / 317 (US 24)
 SECTION (87-1)I-1, TS-2
 PROJECT: HS-000S(460)
 SCHUYLER COUNTY
 C-96-507-06



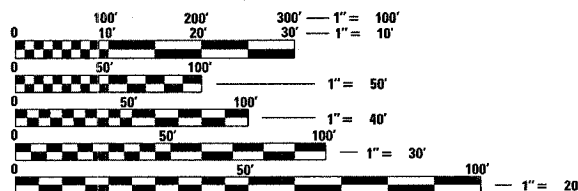
US 24 BEGIN
 STA 386+97.43

US 67 END
 STA 482+00

STA EQ
 STAA 389+69.50 BK =
 STA 387+71.30 AH

US 67 BEGIN
 STA 461+00

US 24 END
 STA 399+05.01



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

ADT
 US 67 = 3375
 % MU + % SU = 16%
 Length = 0.40 mi
 US 24 = 4750
 % MU + % SU = 9%
 Length = 0.27 mi

CONTRACT NO. 72886

PROJECT ENGINEER: JOHN NEGANGARD (217)782-6990
 SQUAD LEADER: VINCE MADONIA (217)785-9046

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED April 8, 2005
Christine M. Reed
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13, 2005
Mike Hine
 ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2005
Victor Moderski
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			46	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INDEX OF SHEETS:

1	COVER SHEET
2	GENERAL NOTES
3-8	SUMMARY OF QUANTITIES
9-10	SCHEDULE OF QUANTITIES
11-15	TYPICAL SECTIONS
16	CROSS TIES
17-23	PLAN AND PROFILE
24-28	TRAFFIC SIGNAL PLANS
29-30	CABLE DIAGRAM
31-36	PAVEMENT MARKING DETAILS
37-40	DETAILS
41-46	CROSS SECTIONS

LIST OF STANDARDS

000001-04	701301-02
001006	701306-01
424001-03	701311-02
442201-01	701326-02
482011-01	701501-03
602301	701502-01
604006-02	702001-05
606001-02	720016-01
606006	780001-01
606301-02	781001-02
701001-01	814001
701006-02	857001
701011-01	877011-02
701201-02	878001-03
	880006

DISTRICT SIX	
EXAMINED	March 29, 20 05
<i>[Signature]</i>	
OPERATIONS ENGINEER	
EXAMINED	March 23, 20 05
<i>W.R. Fryer</i>	
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED	April 8, 20 05
<i>William S. Matern</i>	
PROGRAM DEVELOPMENT ENGINEER	

GENERAL NOTES:

- ALL ELEVATIONS SHOWN IN THE PLANS ARE U.S.G.S. MEAN SEA LEVEL DATUM.
- ANY REFERENCE TO THE STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS INCLUDED IN THE PLANS.
- EXISTING PAVEMENT DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS, NOT OTHERWISE NECESSARY TO REPLACE, SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- THE FOLLOWING APPLICATION RATES WERE USED FOR QUANTITY CALCULATIONS:

BIT. CONC. SURF. CSE., MIX D	0.056 T / SY*IN
BIT CONC. BIND CSE.	0.056 T / SY*IN
PRIME COAT (BIT)	.00038 T / SY
PRIME COAT (AGG)	.002 T / SY
- IN ADDITION TO FIELD SURVEYS AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE BID PRICE FOR THE WORK.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USES:	BITUMINOUS SHOULDER	SURFACE COURSE	INCIDENTAL BITUMINOUS SURFACE	BITUMINOUS BASE COURSE WIDENING
LOCATION				
AC/PG:	PG 58-22 *	SBS-PG 70-22	PG 64-22 *	PG 64-22 *
RAP% (MAX):	20%	0%	15%	15%
DESIGN AIR VOIDS:	2 % @ N = 30	4 % @ N = 70	4 % @ N = 50	4 % @ N = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	BAM	IL. 9.5 OR 12.5	IL 9.5 OR 12.5	IL 19.0
FRICTION AGGREGATE:	N/A	MIX D	MIX C	N/A

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES
 F.A.P. 310
 SECTION (87-1) I-1, TS-2
 SCHUYLER COUNTY

SCALE: VERT. _____
 HORIZ. _____

DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	SCHUYLER		3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• 310 (US 67)/317 (US 24)				
•• (87-111-1, TS-2)				

PAY CODES	ITEMS	UNITS	TOTAL	Resurfacing	Signals	I000-1A	Y031-1F
				RURAL 90% FED 10% STATE	RURAL 90% FED 10% STATE		
20200100	EARTH EXCAVATION	CU YD	51	51			
20200500	EARTH EXCAVATION (WIDENING)	CU YD	235	235			
25000200	SEEDING, CLASS 2	ACRE	0.5	0.5			
25000350	SEEDING, CLASS 7	ACRE	0.5	0.5			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	45			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	45			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	45			
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1	1			
25100115	MULCH, METHOD 2	ACRE	0.5	0.5			
35400400	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SQ YD	77	77			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	5.9	5.9			
40600300	AGGREGATE (PRIME COAT)	TON	31	31			
40600895	CONSTRUCTING TEST STRIP	EACH	1	1			
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	270	270			
40600990	TEMPORARY RAMP	SQ YD	76	76			
40800040	INCIDENTAL BITUMINOUS SURFACING	TON	325	325			
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	520	520			
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	15,448	15,448			

PLOT DATE = 4/13/2005
 FILE NAME = c:\pvc\gen\m\853030A\ts-2.dgn
 PLOT SCALE = 8000000 / 1"=100'
 USER NAME = EOL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
 FAP 310 (US 67)/317 (US 24)
 SECTION (87-111-1, TS-2)
 SCHUYLER COUNTY

SCALE: VERT. : NONE
 HORIZ. : NONE
 DATE : MARCH 2005

DRAWN BY
 CHECKED BY

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	SCHUYLER		4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 310 (US 67)/317 (US 24)		** (87-1)I-1, TS-2		

PAY CODES	ITEMS	UNITS	TOTAL	Resurfacing	Signals
				RURAL 90% FED 10% STATE	RURAL 90% FED 10% STATE
				I000-1A	Y031-1F
44000500	COMBINATION CURB & GUTTER REMOVAL	FOOT	456	456	
44002020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	519	519	
44200140	PAVEMENT PATCHING, TYPE I, 12 INCH	SQ YD	10	10	
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	155	155	
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SQ YD	20	20	
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SQ YD	147	147	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	291	291	
48202000	BITUMINOUS SHOULDERS SUPERPAVE	TON	416	416	
54200430	PIPE CULVERTS, TYPE 1 RCCP 15"	FOOT	20	20	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2	
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	3	3	
60600605	CONCRETE CURB, TYPE B	FOOT	37	37	
60605000	CONCRETE CURB & GUTTER, TYPE B-6. 24	FOOT	394	394	
60608600	CONCRETE CURB & GUTTER, TYPE M-6. 06	FOOT	45	45	
60610400	CONCRETE CURB & GUTTER, TYPE M-6. 24	FOOT	164	164	
60618300	CONCRETE MEDIAN SURFACE, 4 IN.	SQ FT	398	398	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	

PLOT DATE = 4/15/2005
 PLOT SCALE = 50.0000 / IN.
 USER NAME = boj

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES
NAME	DATE	
		FAP 310 (US 67)/317 (US 24) SECTION (87-1)I-1, TS-2 SCHUYLER COUNTY SCALE: VERT. : NONE HORIZ. : DATE : MARCH 2005
DRAWN BY		CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	SCHUYLER	46	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 310 (US 67)/317 (US 24)		** (87-1)I-1, TS-2		

PAY CODES	ITEMS	UNITS	TOTAL	Resurfacing	Signals
				I000-1A	Y031-1F
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
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	10	10	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1,250	1,250	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	^{SQ} FOOT	1,250	1,250	
* 72000200	SIGN PANEL - TYPE 2	SQ FT	50		50
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	16,790	16,790	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	339	339	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	628	628	
78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	364	364	
78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	618	618	
78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	148	148	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	167	167	
* 78200300	PRISMATIC CURB REFLECTORS	EACH	20	20	
78300200	RAISED REFLECTIVE PAVEMENT MARKER - REMOVAL	EACH	167	167	

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
 FAP 310 (US 67)/317 (US 24)
 SECTION (87-1)I-1, TS-2
 SCHUYLER COUNTY
 SCALE: VERT. : NONE
 HORIZ. : NONE
 DATE : MARCH 2005
 DRAWN BY :
 CHECKED BY :

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	SCHUYLER	46	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 310 (US 67)/317 (US 24)		** (87-1)I-1, TS-2		

PAY CODES	ITEMS	UNITS	TOTAL	Resurfacing	Signals
				RURAL 90% FED 10% STATE	RURAL 90% FED 10% STATE
				I000-1A	Y031-1F
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	18		18
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	64		64
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	48		48
81021550	CONDUIT, AUGERED 2" DIA., PVC	FOOT	57		57
81021570	CONDUIT, AUGERED 3" DIA., PVC	FOOT	120		120
81021590	CONDUIT, AUGERED 4" DIA., PVC	FOOT	93		93
81400400	CONCRETE HANDHOLE	EACH	3		3
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	129		129
81702100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	1,112		1,112
82104250	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	2		2
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	826		826
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,151		1,151
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	313		313
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,416		1,416
87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	FOOT	313		313
87301275	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 12C	FOOT	197		197
87301525	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 6 PAIR	FOOT	749		749
87502700	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	3		3

*

* SPECIALTY ITEMS

PLOT DATE = 4/7/2005
 PLOT SCALE = 50/2000' = 1" = 50'
 USER NAME = bobj

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
 FAP 310 (US 67)/317 (US 24)
 SECTION (87-1)I-1, TS-2
 SCHUYLER COUNTY
 SCALE: VERT. : NONE
 HORIZ. : NONE
 DATE : MARCH 2005
 DRAWN BY :
 CHECKED BY :

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	SCHUYLER	46	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 310 (US 67)/317 (US 24)		** (87-1)I-1, TS-2		

Resurfacing	Signals
RURAL	RURAL
90% FED	90% FED
10% STATE	10% STATE

PAY CODES	ITEMS	UNITS	TOTAL	I000-1A	Y031-1F
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9		9
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3		3
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	33		33
87900200	DRILL EXISTING HANDHOLE	EACH	1		1
* X8801300	SIGNAL HEAD, POLYCARBONATE, ^{LED} 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1
X8801395	SIGNAL HEAD, POLYCARBONATE, ^{LED} 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		1
X8801400	SIGNAL HEAD, POLYCARBONATE, ^{LED} 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3		3
X8810510	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, BRACKET MOUNTED	EACH	1		1
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	10		10
88800100	PEDESTRIAN PUSH-BUTTON	EACH	9		9
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1
89502380	REMOVE EXISTING HANDHOLE	EACH	2		2
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5		5
* X0320635	TWIN TENON, STEEL	EACH	1		1
* X0320872	VIDEO VEHICLE DETECTION SYSTEM	EACH	1		1
* X0323885	TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1		1
X3560150	BITUMINOUS CONCRETE BASE COURSE WIDENING, SUPERPAVE 11 INCH	SQ YD	691	691	

PLOT DATE = 4/7/2005
 PLOT SCALE = 50.0000' / IN.
 USER NAME = bnlj

Rev.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
 FAP 310 (US 67)/317 (US 24)
 SECTION (87-1)I-1, TS-2
 SCHUYLER COUNTY
 SCALE: VERT. : NONE
 SCALE: HORIZ. : NONE
 DATE : MARCH 2005
 DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	SCHUYLER	46	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 310 (US 67)/317 (US 24)		•• (87-1)1-1, TS-2		

PAY CODES	ITEMS	UNITS	TOTAL	Resurfacing	Signals
				Urban	Urban
				0% FED	0% FED
				10% STATE	0% STATE
				I000-1A	Y031-1F
X4066526	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	1,730	1,730	
* X8440102	RELOCATE EXISTING LUMINAIRE	EACH	1		1
* X8801437	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2		2
* X8801460	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED	EACH	1		1
* X8801465	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1		1
* X8810395	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	5		5
* X8810495	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED	EACH	1		1
60600095	CLASS 5I CONCRETE (OUTLET)	CU. YD.	4.8	4.8	
* B7702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 32 FT	EACH	2		2
* B7702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 36 FT	EACH	1		1

PLOT DATE = 4/7/2005
 FILE NAME = c:\projects\652101\ts2\qdgn
 LOT NUMBER = 502086 / IN.
 USER NAME = bsdj

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SUMMARY OF QUANTITIES FAP 310 (US 67)/317 (US 24) SECTION (87-1)1-1, TS-2 SCHUYLER COUNTY VERT. : NONE SCALE: HORIZ. : NONE DATE : MARCH 2005 DRAWN BY CHECKED BY

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	SCHUYLER	9	46
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 310 (US 67)/317 (US 24)				
** (87-III-1, TS-2)				

BITUMINOUS SHOULDERS									
LOCATION		LENGTH	SHLD WIDTH	SHLD AREA	PR SHLD THICK.	BIT SHLD	BIT MATLS (PRIME COAT)		
STATION	TO STATION	DESCRIPTION	(FT)	(FT)	(SQ FT)	(INCH)	(TON)	(TON)	
US 67									
461+00.0	- 464+66.0	RT	366.0	3.0	1,098	8.00	54.7	0.07	
461+00.0	- 464+66.0	LT	366.0	3.0	1,098	8.00	54.7	0.07	
464+66.0	- 468+95.0	LT	429.0	3.0	1,287	2.00	16.0	0.08	
472+43.0	- 476+10.7	LT	367.7	VAR.	1,496*	2.00	18.6	0.09	
473+72.0	- 477+12.2	RT	340.2	VAR.	1,848*	2.00	23.0	0.12	
US 24									
386+97.4	- 387+74.1	RT	76.7	3.0	230	2.00	2.9	0.01	
386+97.4	- 388+36.7	LT	139.3	3.0	418	2.00	5.2	0.03	
388+42.0		RADIUS	44.2	3.0	133	2.00	1.7	0.01	
388+95.0		RADIUS	47.8	3.0	143	2.00	1.8	0.01	
389+15.5	- 389+69.5	LT	54.0	3.0	162	2.00	2.0	0.01	
STA EQ 389+69.5 BK = 387+71.3 AH									
387+71.3	- 388+00.0	LT	28.7	3.0	86	2.00	1.1	0.01	
389+73.3	- 390+20.3	LT	47.0	3.0	141	2.00	1.8	0.01	
390+80.8	- 391+05.2	LT	24.4	3.0	73	2.00	0.9	0.00	
393+56.0	- 399+05.0	LT	549.0	VAR.	4,409*	8.00	219.5	0.28	
394+77.9	- 395+14.4	RT	36.5	3.0	110	2.00	1.4	0.01	
395+90.9	- 396+41.3	RT	50.4	3.0	151	2.00	1.9	0.01	
396+70.2	- 399+05.0	RT	234.8	3.0	704	2.00	8.8	0.04	
* INDICATES AREA FOUND USING CAD							US 67 SUBTOTAL:	166.9	0.43
							US 24 SUBTOTAL:	248.7	0.43
							GRAND TOTAL:	415.6	0.86

AGGREGATE SHOULDERS									
LOCATION		LENGTH	SHLD WIDTH	SHLD AREA	PR AVG. THICK.	AGG SHLD			
STATION	TO STATION	DESCRIPTION	(FT)	(FT)	(SQ FT)	(INCH)	(TON)		
US 67									
461+00.0	- 466+05.4	RT	505.4	3.0	1,516	8.00	76.7		
461+00.0	- 468+95.0	LT	795.0	3.0	2,385	8.00	120.7		
474+75.0	- 482+00.0	LT	725.0	3.0	2,175	2.00	27.5		
474+75.0	- 482+00.0	RT	725.0	3.0	2,175	2.00	27.5		
US 24									
386+97.4	- 387+74.1	RT	76.7	3.0	230	1.50	2.2		
386+97.4	- 388+36.7	LT	139.3	3.0	418	1.50	4.0		
388+42.0		RADIUS	44.2	3.0	133	1.50	1.3		
388+95.0		RADIUS	47.8	3.0	143	1.50	1.4		
389+15.5	- 389+69.5	LT	54.0	3.0	162	1.50	1.5		
STA EQ 389+69.5 BK = 387+71.3 AH									
387+71.3	- 388+00.0	LT	28.7	3.0	86	1.50	0.8		
389+73.3	- 390+20.3	LT	47.0	3.0	141	1.50	1.3		
390+80.8	- 391+05.2	LT	24.4	3.0	73	1.50	0.7		
393+56.0	- 399+05.0	LT	549.0	3.0	1,647	1.50	15.6		
394+77.9	- 395+14.4	RT	36.5	3.0	110	1.50	1.0		
395+90.9	- 396+41.3	RT	50.4	3.0	151	1.50	1.4		
396+70.2	- 399+05.0	RT	234.8	3.0	704	1.50	6.7		
							US 67 SUBTOTAL:	252.5	
							US 24 SUBTOTAL:	37.9	
							GRAND TOTAL:	290.5	

CONCRETE CURB & GUTTER AND CONCRETE MEDIAN										
LOCATION		COMB CC&G REMOVAL	CONC MEDIAN SURFACE REMOVAL	COMB CC&G, TY M-6.24	COMB CC&G, TY M-6.06	CONCRETE CURB, TY B	COMB CC&G, TY B-6.24	CC&G OUTLET SPECIAL	CONC MEDIAN SURFACE, 4"	PRISMATIC CURB REFLECTORS
STATION, QUAD, OR ISLAND	RT/LT	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(SQ FT)	(EACH)
US 24										
468+29.12	- 469+92.85	RT	166.4							
466+92.60	- 469+92.85	RT					303.2			
466+92.60		RT						1.0		
470+57.67	- 471+30.85	LT	112.7		91.0		91.0			
471+30.85								1.0		
ISLAND NW QUAD US 67/US 24										
471+70.00			72.0	297.6	32.4	17.6			150.1	9.0
ISLAND SE QUAD US 67/US 24										
470+43.00			104.6	221.2	40.6	27.3	36.9		248.0	11.0
GRAND TOTAL:			455.7	518.8	164.0	44.9	36.9	394.2	2.0	398.1

Pavement Marking Schedule							
Item	Sheet 1	Sheet 2	Sheet 3	Sheet 4	Sheet 5	Sheet 6	Total
	US 67 STA 460+00.00 TO 466+00.00	US 67 STA 466+00.00 TO 472+00.00	US 67 STA 472+00.00 TO 478+00.00	US 67 STA 478+00.00 TO 484+00.00	US 67 STA 386+00.00 TO 391+00.00	US 67 STA 394+00.00 TO 399+00.00	
Thermoplastic Pavement Marking, 5"	2634.95	3173.56	3605.08	2400.28	3274.08	1702.12	16790.07
Thermoplastic Pavement Marking, 8"		339.16					339.16
Thermoplastic Pavement Marking, 12"	63.78	150.93	205.64		96.86	111.05	628.26
Performed Plastic Pavement Marking, TY B, L & R		208	78		52	26	364
Performed Plastic Pavement Marking, TY B, 24"		147.99					147.99
Performed Plastic Pavement Marking, TY B, 6"		265.28	172.51		89.63	90.04	617.46
Raised Reflective Pavement Marker	18	42	35	11	32	29	167

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCHEDULE OF QUANTITIES FAP 310 (US 67)/317 (US 24) SECTION (87-III-1, TS-2) SCHUYLER COUNTY SCALE: VERT. : NONE HORIZ. : NONE DATE : MARCH 2005 DRAWN BY : CHECKED BY :

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	**	SCHUYLER	10	46
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 310 (US 67)/317 (US 24)		•• (87-III-1, TS-2)		

MAINLINE RESURFACING										
LOCATION	LENGTH	BEGIN LEFT OFFSET	BEGIN RIGHT OFFSET	PVT AREA	BIT SURF REMOVAL	BIT CONC SURF CSE, SUPER MIX "D" N50 (2" THICK.)	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)		
STATION TO STATION	(FT)	(FT)	(FT)	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)		
US 67										
461+00.0 - 461+50.0	50.0	13.00	13.01	146	146	16.4	0.06	0.3		
461+50.0 - 462+00.0	50.0	13.00	13.59	150	150	16.8	0.06	0.3		
462+00.0 - 462+50.0	50.0	13.21	14.16	154	154	17.3	0.06	0.3		
462+50.0 - 463+00.0	50.0	13.44	14.74	158	158	17.7	0.06	0.3		
463+00.0 - 463+50.0	50.0	13.67	15.00	160	160	17.9	0.06	0.3		
463+50.0 - 464+00.0	50.0	13.90	15.00	163	163	18.2	0.06	0.3		
464+00.0 - 464+50.0	50.0	14.61	15.00	170	170	19.1	0.06	0.3		
464+50.0 - 465+00.0	50.0	15.72	15.93	182	182	20.4	0.07	0.4		
465+00.0 - 465+50.0	50.0	16.83	16.98	194	194	21.7	0.07	0.4		
465+50.0 - 466+00.0	50.0	17.94	18.04	208	208	23.3	0.08	0.4		
466+00.0 - 466+50.0	50.0	19.97	19.09	231	231	25.9	0.09	0.5		
466+50.0 - 467+00.0	50.0	23.92	20.15	256	256	28.7	0.10	0.5		
467+00.0 - 467+50.0	50.0	26.92	21.21	279	279	31.2	0.11	0.6		
467+50.0 - 468+00.0	50.0	29.92	22.26	299	299	33.4	0.11	0.6		
468+00.0 - 468+50.0	50.0	32.00	23.32	309	309	34.6	0.12	0.6		
468+50.0 - 469+00.0	50.0	32.00	24.00	315	315	35.2	0.12	0.6		
469+00.0 - 469+50.0	50.0	32.00	25.28	323	323	36.1	0.12	0.6		
469+50.0 - 472+50.0	--	32.00	26.84	4023*	4,023	450.6	1.53	8.0		
472+50.0 - 473+00.0	50.0	27.12	27.11	290	290	32.4	0.11	0.6		
473+00.0 - 473+50.0	50.0	25.48	24.54	272	272	30.5	0.10	0.5		
473+50.0 - 474+00.0	50.0	23.97	23.95	263	263	29.4	0.10	0.5		
474+00.0 - 474+50.0	50.0	23.37	23.36	256	256	28.7	0.10	0.5		
474+50.0 - 475+00.0	50.0	22.87	22.64	251	251	28.1	0.10	0.5		
475+00.0 - 475+50.0	50.0	22.34	22.34	242	242	27.1	0.09	0.5		
475+50.0 - 476+00.0	50.0	21.80	20.76	232	232	26.0	0.09	0.5		
476+00.0 - 476+50.0	50.0	21.26	19.82	224	224	25.1	0.09	0.4		
476+50.0 - 477+00.0	50.0	20.71	18.88	216	216	24.2	0.08	0.4		
477+00.0 - 477+50.0	50.0	20.17	17.94	207	207	23.2	0.08	0.4		
477+50.0 - 478+00.0	50.0	19.37	17.00	197	197	22.1	0.07	0.4		
478+00.0 - 478+50.0	50.0	18.46	16.06	187	187	20.9	0.07	0.4		
478+50.0 - 479+00.0	50.0	17.54	15.12	176	176	19.7	0.07	0.4		
479+00.0 - 479+50.0	50.0	16.62	14.18	166	166	18.6	0.06	0.3		
479+50.0 - 480+00.0	50.0	15.70	13.24	158	158	17.7	0.06	0.3		
480+00.0 - 480+50.0	50.0	14.89	13.00	154	154	17.2	0.06	0.3		
480+50.0 - 481+00.0	50.0	14.45	13.00	151	151	16.9	0.06	0.3		
481+00.0 - 481+50.0	50.0	14.00	13.00	149	149	16.7	0.06	0.3		
481+50.0 - 482+00.0	50.0	13.56	13.00	148	148	16.5	0.06	0.3		
US 24										
386+97.4 - 387+00.0	2.6	12.00	12.00	7	7	0.8	0.00	0.0		
387+00.0 - 387+50.0	50.0	12.00	12.18	133	133	14.9	0.05	0.3		
387+50.0 - 388+00.0	50.0	12.00	11.85	138	138	15.5	0.05	0.3		
388+00.0 - 388+50.0	50.0	13.73	12.14	160	160	18.0	0.06	0.3		
388+50.0 - 389+00.0	50.0	13.68	18.15	182	182	20.3	0.07	0.4		
389+00.0 - 389+50.0	50.0	15.08	18.44	181	181	20.2	0.07	0.4		
389+50.0 - 389+69.5	19.5	16.42	15.13	69	69	7.8	0.03	0.1		
STATION EQUATION: 389+69.5 BACK = 387+71.3 AHEAD										
387+71.3 - 388+00.0	28.7	16.94	15.49	106	106	11.8	0.04	0.2		
388+00.0 - 388+50.0	50.0	17.71	16.03	191	191	21.4	0.07	0.4		
388+50.0 - 389+00.0	50.0	18.00	16.97	197	197	22.1	0.07	0.4		
389+00.0 - 389+50.0	50.0	18.00	17.91	202	202	22.6	0.08	0.4		
389+50.0 - 390+00.0	50.0	18.00	18.85	207	207	23.2	0.08	0.4		
390+00.0 - 390+50.0	50.0	18.00	19.79	211	211	23.6	0.08	0.4		
390+50.0 - 391+00.0	50.0	18.00	20.00	213	213	23.9	0.08	0.4		
391+00.0 - 394+50.0	--	18.00	20.75	0	0	0.0	0.00	0.0		
394+50.0 - 395+00.0	50.0	22.43	18.31	220	220	24.7	0.08	0.4		
395+00.0 - 395+50.0	50.0	20.59	18.00	211	211	23.6	0.08	0.4		
395+50.0 - 396+00.0	50.0	19.31	18.00	203	203	22.8	0.08	0.4		
396+00.0 - 396+50.0	50.0	17.91	18.00	193	193	21.6	0.07	0.4		
396+50.0 - 397+00.0	50.0	16.27	17.28	178	178	19.9	0.07	0.4		
397+00.0 - 397+50.0	50.0	14.63	15.85	162	162	18.2	0.06	0.3		
397+50.0 - 398+00.0	50.0	13.47	14.42	149	149	16.6	0.06	0.3		
398+00.0 - 398+50.0	50.0	12.60	12.99	137	137	15.3	0.05	0.3		
398+50.0 - 399+00.0	50.0	12.00	11.57	129	129	14.5	0.05	0.3		
399+00.0 - 399+05.0	5.0	12.00	11.00	13	13	1.4	0.00	0.0		
US 67 SUBTOTAL:					11,656.4	1,305.5	4.4	23.3		
US 24 SUBTOTAL:					3,791.6	424.7	1.4	7.6		
GRAND TOTAL:					15,448.0	1,730.2	5.9	30.9		

* AREA FROM CAD.

WIDENING			
LOCATION	PCC BASE COURSE WID 9"	BIT CONC BASE CRSE WID 11"	
STATION, QUAD, OR ISLAND	RT/LT	(SQ YD)	(SQ YD)
SW QUAD US 67/US 24			
391+63.30 - 392+57.70	RT	30.8	
SE QUAD US 67/US 24			
466+86.60 - 469+92.90	RT		301.0
SE ISLAND			
		23.0	
NE ISLAND			
		23.0	
US 24			
West Leg			390.0
GRAND TOTAL:		76.8	691.0

Drainage Schedule

Location	INLETS, TYPE A, TYPE 3 FRAME AND GRATE (EACH)	PIPE CULVERTS, TYPE 1 RCCP 15" (FOOT)	PRECAST REINFORCED CONCRETE END SECTIONS 15"
Sta 468+54 RT (US 67)	1	10	1
Sta 469+62 RT (US 67)	1	10	1
Sta 391+97 RT (US 24)	1		
Total	3	20	2

PATCHING QUANTITIES

LOCATION	TYPE I (SY)	TYPE II (SY)	TYPE III (SY)	TYPE IV (SY)
Entire Job - Total	10	155	20	147

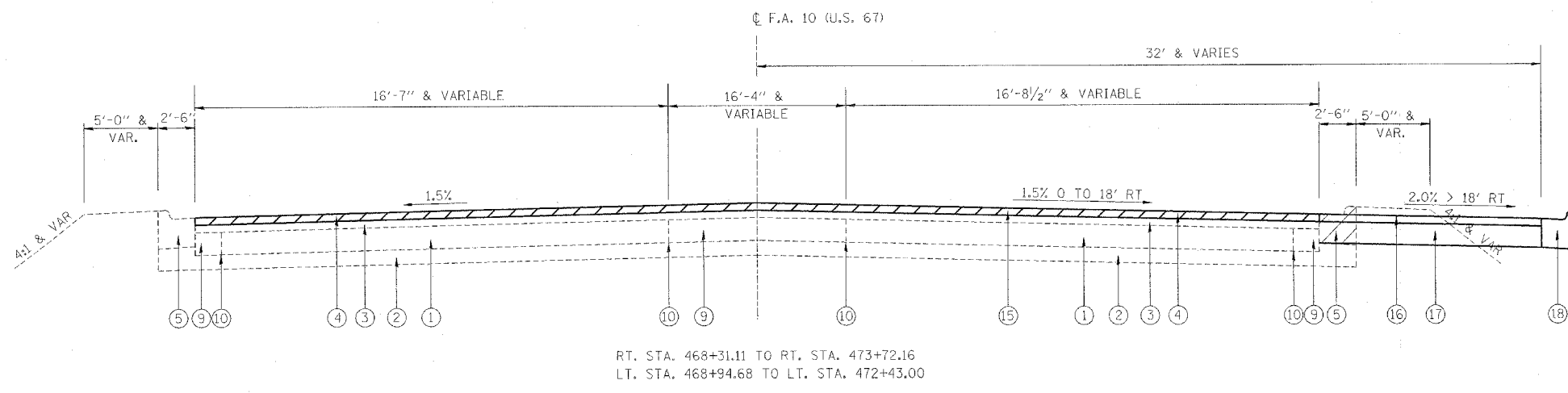
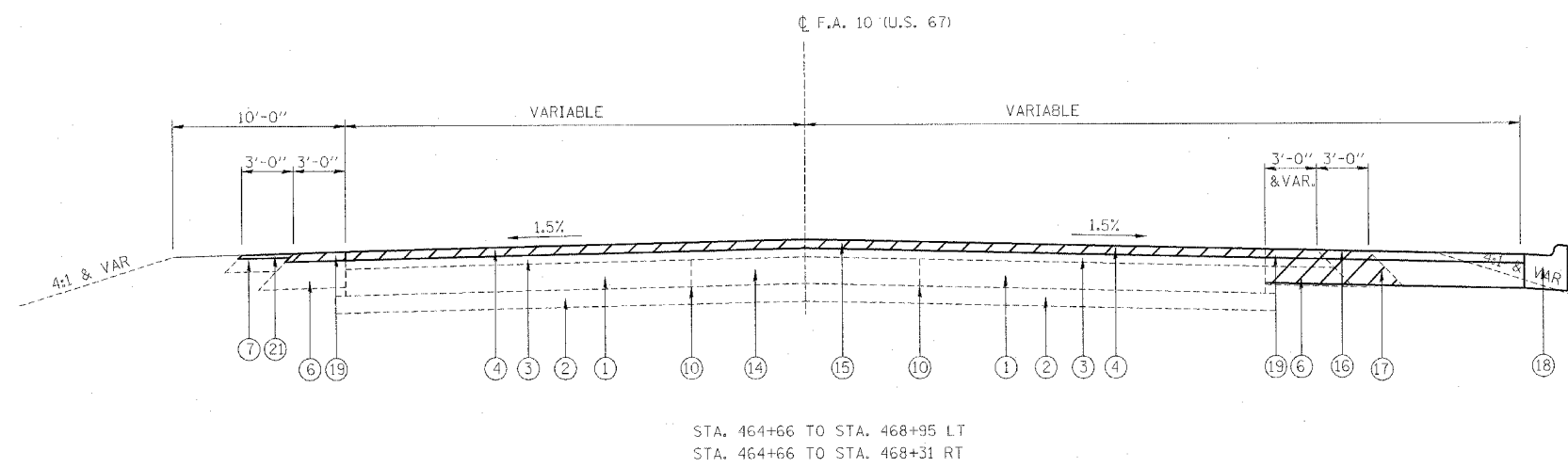
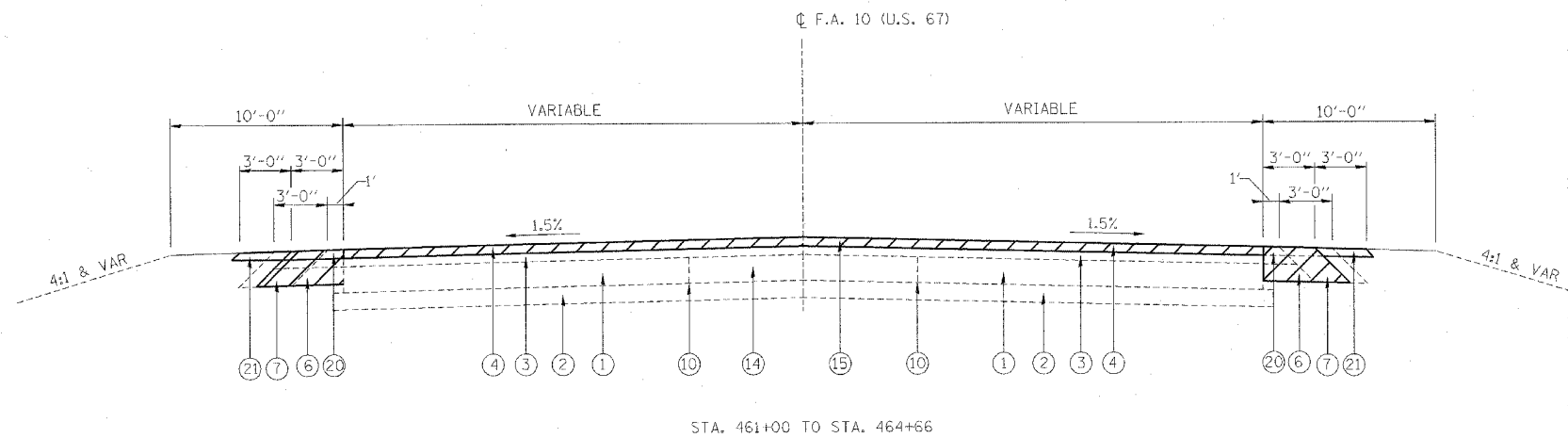
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 FAP 310 (US 67)/317 (US 24)
 SECTION (87-III-1, TS-2)
 SCHUYLER COUNTY

SCALE: VERT. : NONE
 HORIZ. :
 DATE : MARCH 2005
 DRAWN BY :
 CHECKED BY :

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

• (87-1)I-1, TS-2



- LEGEND**
- ① EXISTING P.C.C. BASE COURSE 8"
 - ② EXISTING SUBBASE GRANULAR MATERIAL 6"
 - ③ EXISTING BITUMINOUS CONCRETE BINDER COURSE, MIXTURE B, TYPE 2-1/2"
 - ④ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, TYPE 2-1/2"
 - ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
 - ⑥ EXISTING BITUMINOUS SHOULDER 8"
 - ⑦ EXISTING AGGREGATE SHOULDERS, TYPE A, 8"
 - ⑧ EXISTING 9"-6"-9" P.C.C. PAVEMENT
 - ⑨ EXISTING P.C.C. BASE COURSE WIDENING
 - ⑩ EXISTING WIDENING JOINT
 - ⑪ EXISTING AGGREGATE SHOULDER TY. B (3" TO 1")
 - ⑫ EXISTING EARTH SHOULDERS
 - ⑬ EXISTING CONCRETE MEDIAN
 - ⑭ EXISTING BITUMINOUS BASE COURSE 9"
 - ⑮ PROPOSED BITUMINOUS SURFACE REMOVAL, 2", , AND BITUMINOUS SURFACE COURSE, 2"
 - ⑯ PROPOSED BITUMINOUS SURFACE COURSE, 2"
 - ⑰ PROPOSED BITUMINOUS BASE COURSE, 11"
 - ⑱ PROPOSED CONCRETE CURB & GUTTER, TY B 6.24
 - ⑲ PROPOSED BITUMINOUS SURFACE REMOVAL 2", PROPOSED BITUMINOUS SHOULDER, 2"
 - ⑳ PROPOSED BITUMINOUS SHOULDER, 8"
 - ㉑ PROPOSED AGGREGATE SHOULDER

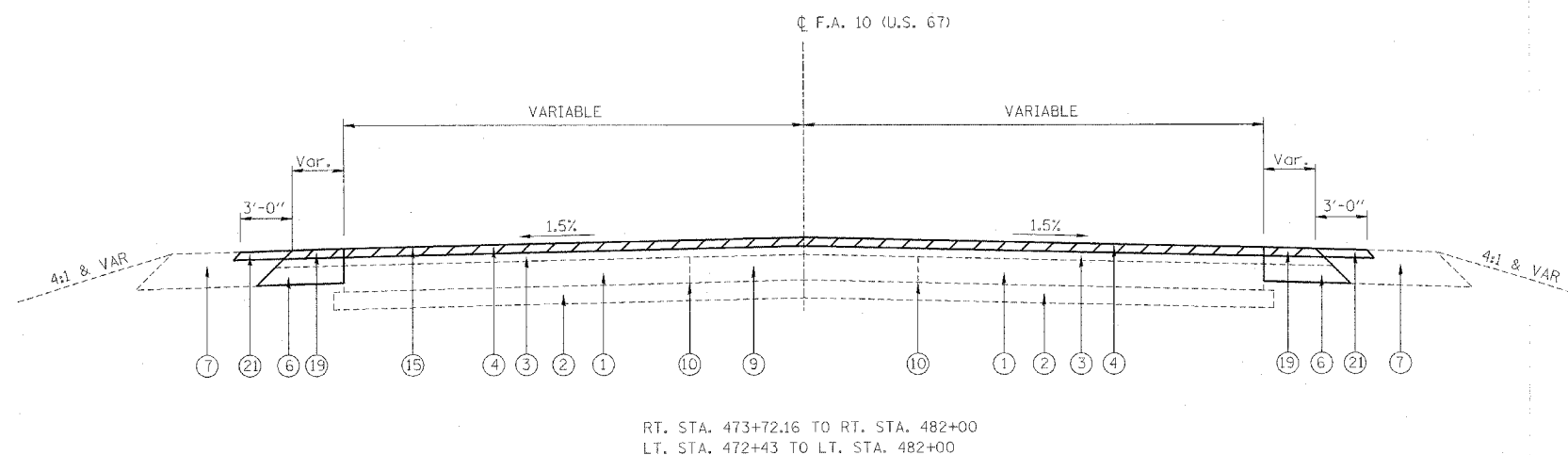
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
 FAP 310
 SECTION (87-1)I-1, TS-2
 SCHUYLER COUNTY
 SCALE: VERT. NOT TO SCALE
 HORIZ. DATE: FEB 2005
 DRAWN BY JJB
 CHECKED BY VJM

PLOT DATE = 4/7/2005
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 PLOT SCALE = 5/8" = 1' IN.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	SCHUYLER	46	12
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (87-11-1, TS-2)



LEGEND

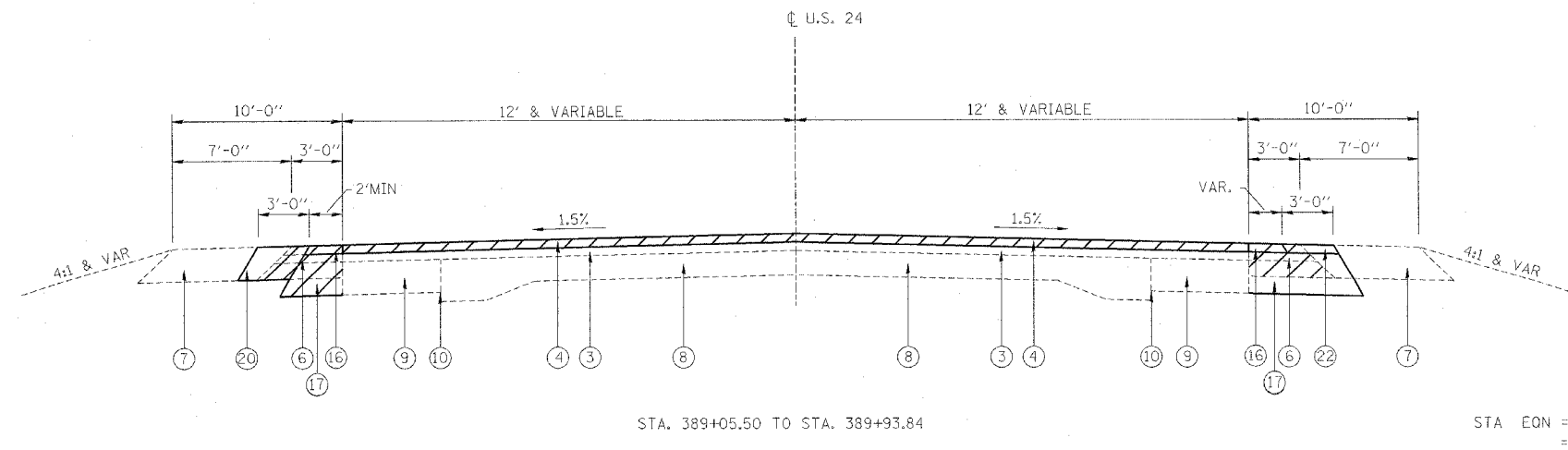
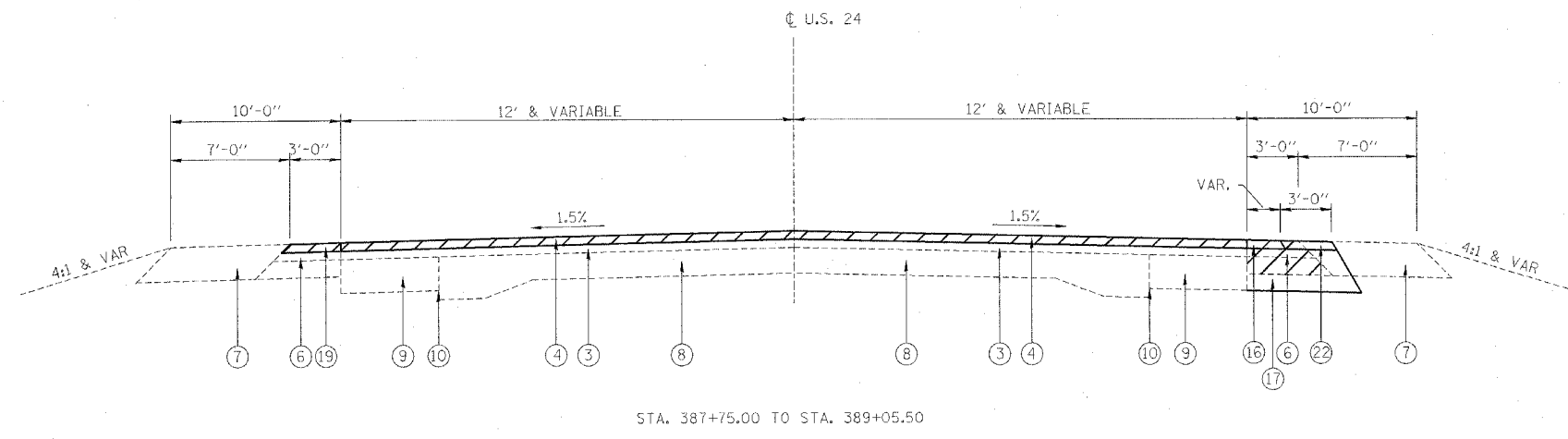
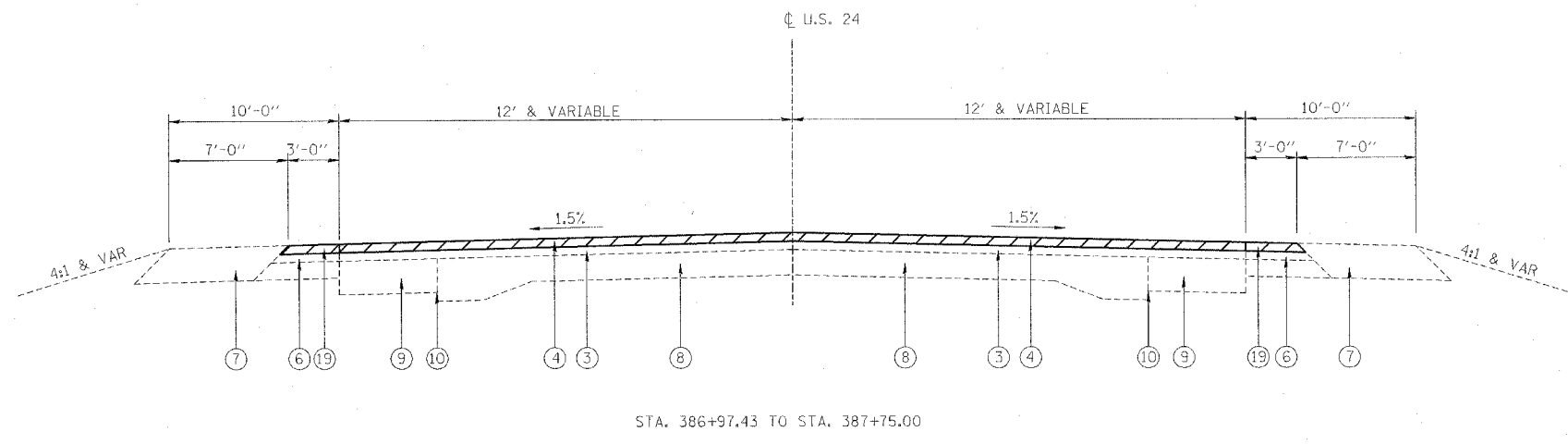
- ① EXISTING P.C.C. BASE COURSE 8"
- ② EXISTING SUBBASE GRANULAR MATERIAL 6"
- ③ EXISTING BITUMINOUS CONCRETE BINDER COURSE, MIXTURE B, TYPE 2-1/2"
- ④ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, TYPE 2-1/2"
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ EXISTING BITUMINOUS SHOULDER 8"
- ⑦ EXISTING AGGREGATE SHOULDERS, TYPE A, 8"
- ⑧ EXISTING 9"-6"-9" P.C.C. PAVEMENT
- ⑨ EXISTING P.C.C. BASE COURSE WIDENING
- ⑩ EXISTING WIDENING JOINT
- ⑪ EXISTING AGGREGATE SHOULDER TY. B (3" TO 1")
- ⑫ EXISTING EARTH SHOULDERS
- ⑬ EXISTING CONCRETE MEDIAN
- ⑭ EXISTING BITUMINOUS BASE COURSE 9"
- ⑮ PROPOSED BITUMINOUS SURFACE REMOVAL, 2", ., AND BITUMINOUS SURFACE COURSE, 2"
- ⑯ PROPOSED BITUMINOUS SURFACE COURSE, 2"
- ⑰ PROPOSED BITUMINOUS BASE COURSE, 11"
- ⑱ PROPOSED CONCRETE CURB & GUTTER, TY B 6.24
- ⑲ PROPOSED BITUMINOUS SURFACE REMOVAL 2", PROPOSED BITUMINOUS SHOULDER, 2"
- ⑳ PROPOSED BITUMINOUS SHOULDER, 8"
- ㉑ PROPOSED AGGREGATE SHOULDER

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FILE NAME = c:\projects\6852104\shutupicola.dgn
PLOT SCALE = 5/8" = 1' IN.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		TYPICAL SECTIONS
SCALE: VERT. NOT TO SCALE		DRAWN BY JJB
DATE: FEB 2005		CHECKED BY VJM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	13
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (87-111-1, TS-2



- LEGEND
- ① EXISTING P.C.C. BASE COURSE 8"
 - ② EXISTING SUBBASE GRANULAR MATERIAL 6"
 - ③ EXISTING BITUMINOUS CONCRETE BINDER COURSE, MIXTURE B, TYPE 2-1/2"
 - ④ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, TYPE 2-1/2"
 - ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
 - ⑥ EXISTING BITUMINOUS SHOULDER 8"
 - ⑦ EXISTING AGGREGATE SHOULDERS, TYPE A, 8"
 - ⑧ EXISTING 9"-6"-9" P.C.C. PAVEMENT
 - ⑨ EXISTING P.P.C. BASE COURSE WIDENING
 - ⑩ EXISTING WIDENING JOINT
 - ⑪ EXISTING AGGREGATE SHOULDER TY. B (3" TO 1")
 - ⑫ EXISTING EARTH SHOULDERS
 - ⑬ EXISTING CONCRETE MEDIAN
 - ⑭ EXISTING BITUMINOUS BASE COURSE 9"
 - ⑮ PROPOSED BITUMINOUS SURFACE REMOVAL, 2", AND BITUMINOUS SURFACE COURSE, 2"
 - ⑯ PROPOSED BITUMINOUS SURFACE COURSE, 2"
 - ⑰ PROPOSED BITUMINOUS BASE COURSE, 11"
 - ⑱ PROPOSED CONCRETE CURB & GUTTER, TY B 6.24
 - ⑲ PROPOSED BITUMINOUS SURFACE REMOVAL 2", PROPOSED BITUMINOUS SHOULDER, 2"
 - ⑳ PROPOSED BITUMINOUS SHOULDER, 8"
 - ㉑ PROPOSED AGGREGATE SHOULDER
 - ㉒ PROPOSED BITUMINOUS SHOULDER, 2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

FAP 310
SECTION (87-111)-1, TS-2
SCHUYLER COUNTY

SCALE: VERT. NOT TO SCALE
HORIZ. NOT TO SCALE
DATE: FEB 2005

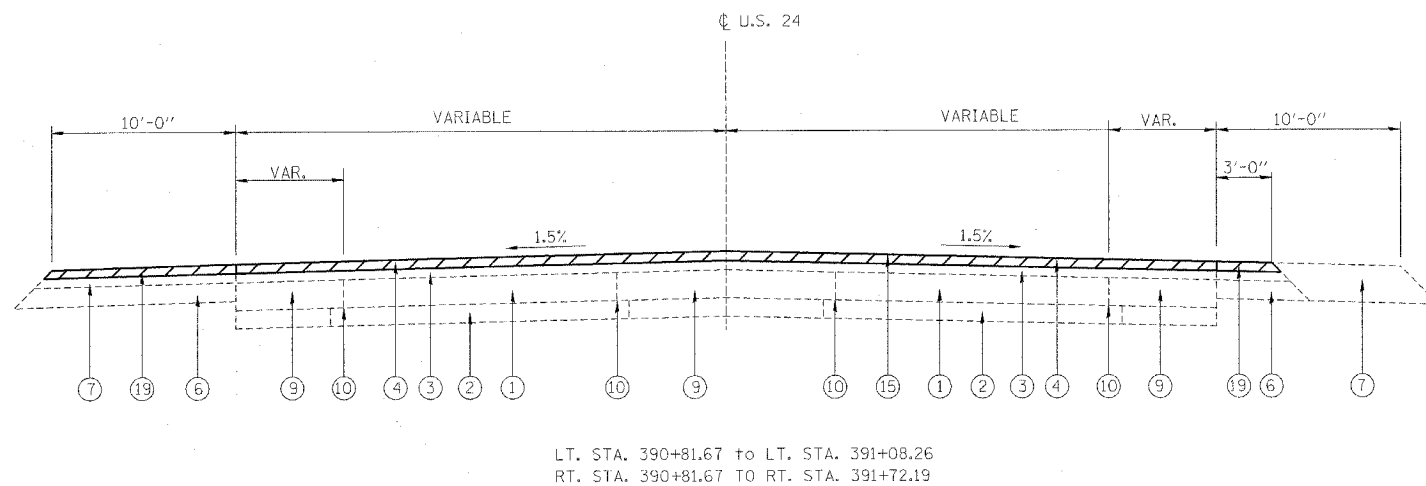
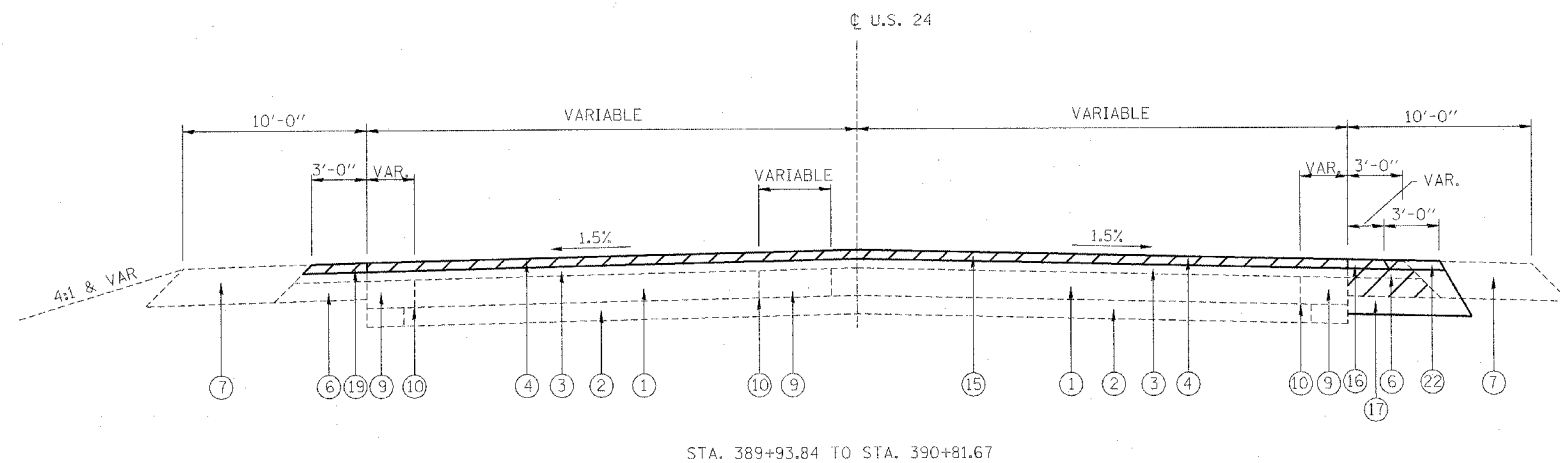
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CHECKED BY VJM

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PLOT SCALE = 5/8" = 1' / IN.

STA. EQN = STA. 389+69.50 BK
= STA. 387+71.30 AH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (87-1)I-1, TS-2



LEGEND

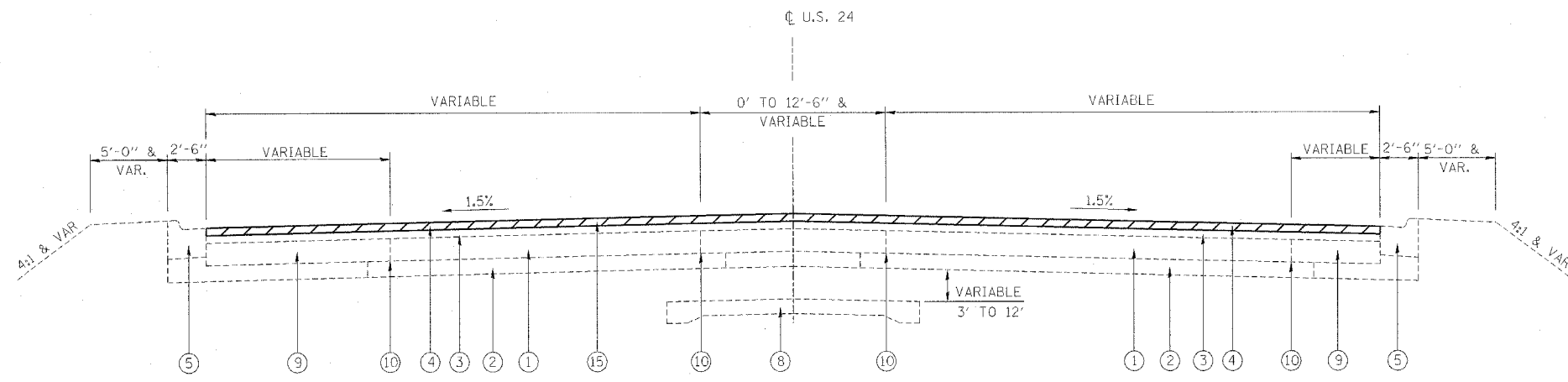
- ① EXISTING P.C.C. BASE COURSE 8"
- ② EXISTING SUBBASE GRANULAR MATERIAL 6"
- ③ EXISTING BITUMINOUS CONCRETE BINDER COURSE, MIXTURE B, TYPE 2-1/2"
- ④ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, TYPE 2-1/2"
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ EXISTING BITUMINOUS SHOULDER 8"
- ⑦ EXISTING AGGREGATE SHOULDERS, TYPE A, 8"
- ⑧ EXISTING 9"-6"-9" P.C.C. PAVEMENT
- ⑨ EXISTING P.P.C. BASE COURSE WIDENING
- ⑩ EXISTING WIDENING JOINT
- ⑪ EXISTING AGGREGATE SHOULDER TY. B (3" TO 1")
- ⑫ EXISTING EARTH SHOULDERS
- ⑬ EXISTING CONCRETE MEDIAN
- ⑭ EXISTING BITUMINOUS BASE COURSE 9"
- ⑮ PROPOSED BITUMINOUS SURFACE REMOVAL, 2", , AND BITUMINOUS SURFACE COURSE, 2"
- ⑯ PROPOSED BITUMINOUS SURFACE COURSE, 2"
- ⑰ PROPOSED BITUMINOUS BASE COURSE, 11"
- ⑱ PROPOSED CONCRETE CURB & GUTTER, TY B 6.24
- ⑲ PROPOSED BITUMINOUS SURFACE REMOVAL 2", PROPOSED BITUMINOUS SHOULDER, 2"
- ⑳ PROPOSED BITUMINOUS SHOULDER, 8"
- ㉑ PROPOSED AGGREGATE SHOULDER
- ㉒ PROPOSED BITUMINOUS SHOULDER, 2"

REVISIONS	
NAME	DATE

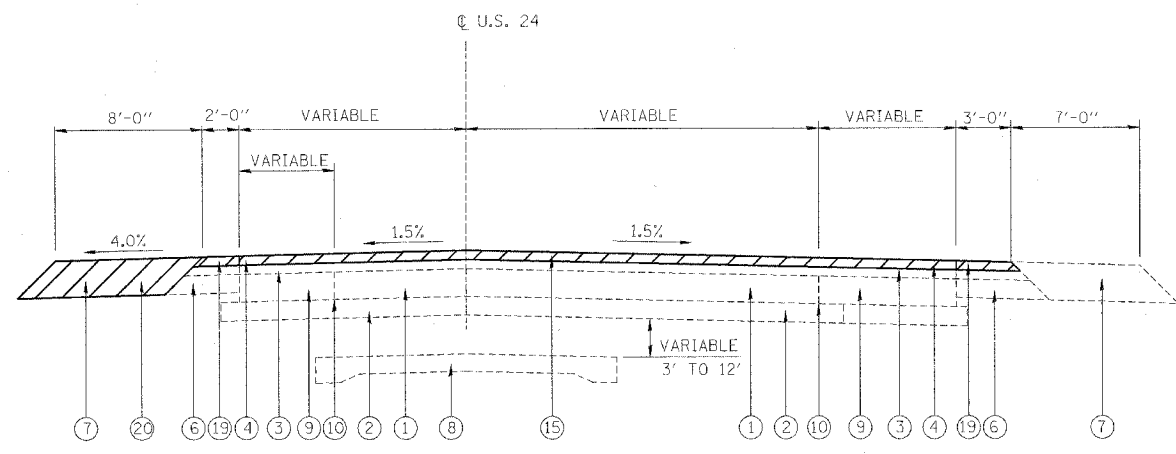
ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
 FAP 310
 SECTION (87-1)I-1, TS-2
 SCHUYLER COUNTY
 SCALE: VERT. NOT TO SCALE DRAWN BY JJB
 HORIZ. CHECKED BY VJM
 DATE: FEB 2005

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	15
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (87-111-1, TS-2



LT. STA. 391+08.26 TO LT. STA. 394+19.60
RT. STA. 391+72.19 TO RT. STA. 393+80.00



RT. STA. 393+80 TO RT. STA. 395+54.68
LT. STA. 394+19.60 TO LT. STA. 396+06.81

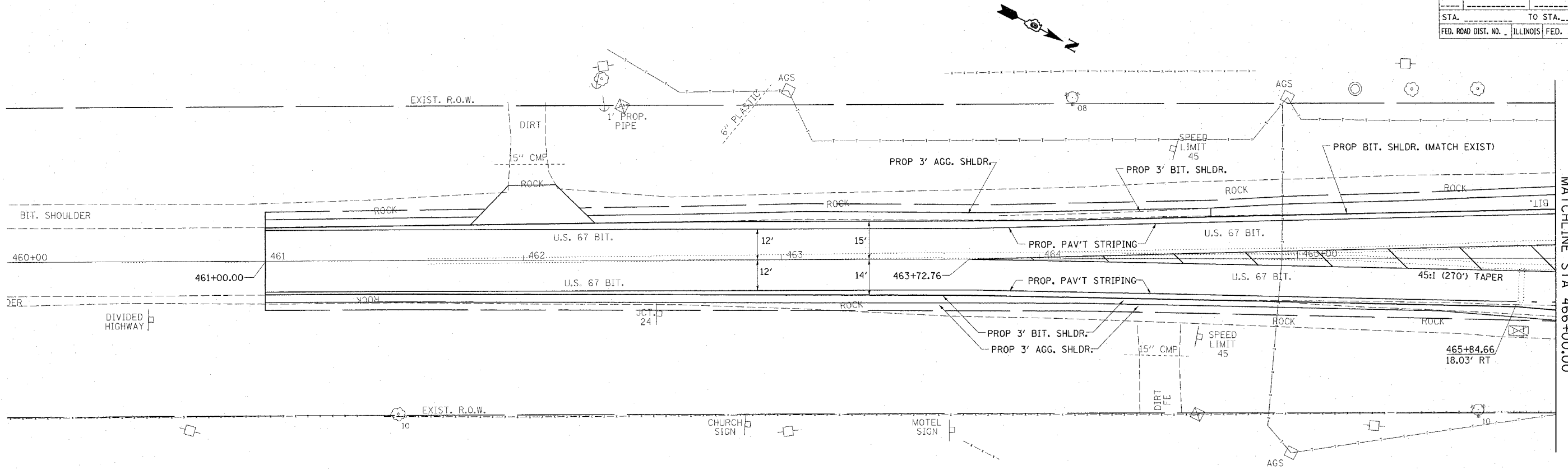
LEGEND

- ① EXISTING P.C.C. BASE COURSE 8"
- ② EXISTING SUBBASE GRANULAR MATERIAL 6"
- ③ EXISTING BITUMINOUS CONCRETE BINDER COURSE, MIXTURE B, TYPE 2-1/2"
- ④ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, TYPE 2-1/2"
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ EXISTING BITUMINOUS SHOULDER 8"
- ⑦ EXISTING AGGREGATE SHOULDERS, TYPE A, 8"
- ⑧ EXISTING 9"-6"-9" P.C.C. PAVEMENT
- ⑨ EXISTING P.P.C. BASE COURSE WIDENING
- ⑩ EXISTING WIDENING JOINT
- ⑪ EXISTING AGGREGATE SHOULDER TY. B (3" TO 1")
- ⑫ EXISTING EARTH SHOULDERS
- ⑬ EXISTING CONCRETE MEDIAN
- ⑭ EXISTING BITUMINOUS BASE COURSE 9"
- ⑮ PROPOSED BITUMINOUS SURFACE REMOVAL, 2", AND BITUMINOUS SURFACE COURSE, 2"
- ⑯ PROPOSED BITUMINOUS SURFACE COURSE, 2"
- ⑰ PROPOSED BITUMINOUS BASE COURSE, 11"
- ⑱ PROPOSED CONCRETE CURB & GUTTER, TY B 6.24
- ⑲ PROPOSED BITUMINOUS SURFACE REMOVAL 2", PROPOSED BITUMINOUS SHOULDER, 2"
- ⑳ PROPOSED BITUMINOUS SHOULDER, 8"
- ㉑ PROPOSED AGGREGATE SHOULDER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
FAP 310
SECTION (87-111)-1, TS-2
SCHUYLER COUNTY
SCALE: VERT. NOT TO SCALE. HORIZ. DATE: FEB 2005
DRAWN BY JJB
CHECKED BY VJM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			46	17
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		



MATCHLINE STA 466+00.00

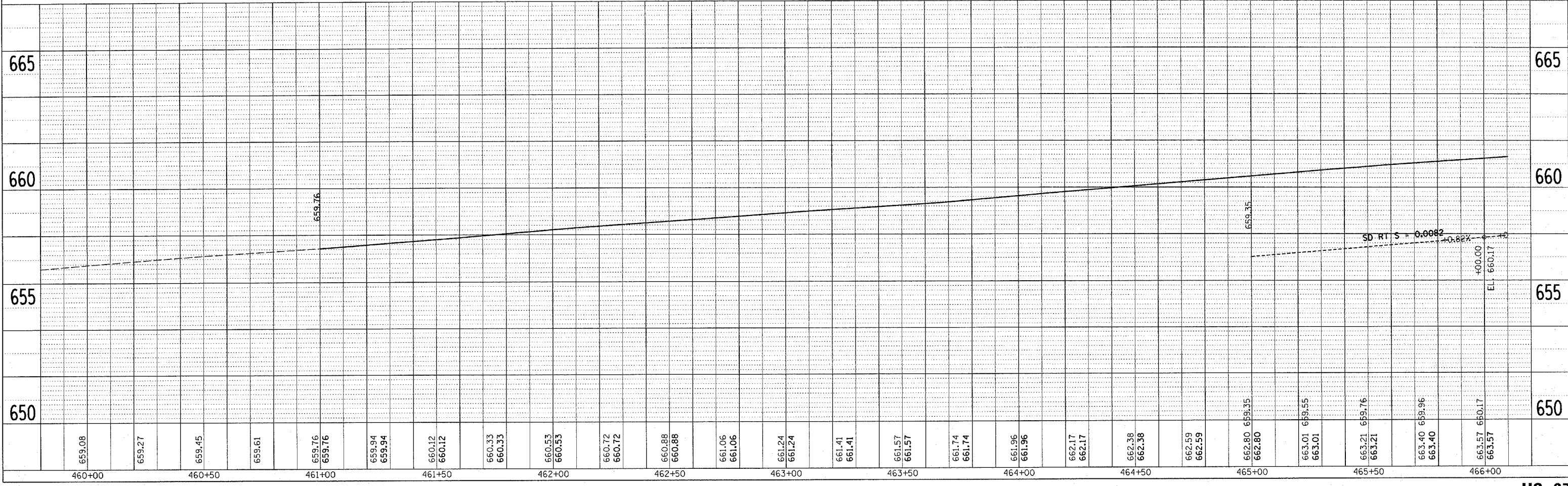
PLAN

SURVEYED	BY	DATE
ALIGNED		
CHECKED		
PL. OF WAY		
CHECKED		
PROP. FILE NAME		
NO.		

PROFILE

SURVEYED	BY	DATE
GRADES		
CHECKED		
BLM. NOTED		
STRUCTURE		
NOTATIONS		
CHKD		
NO.		

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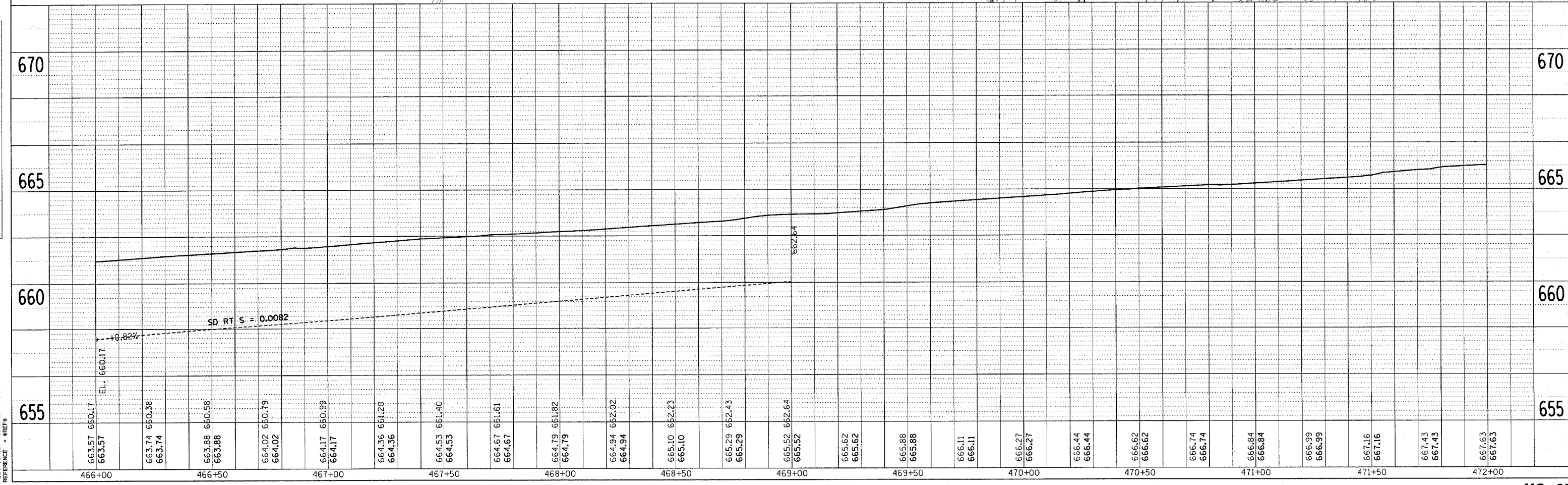
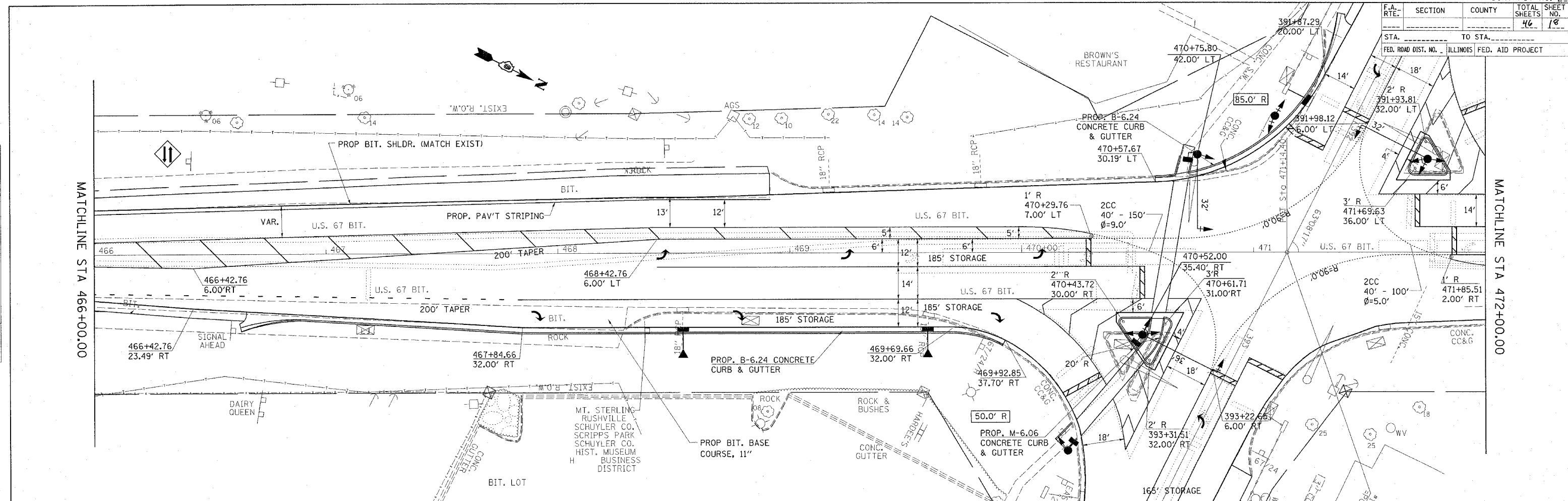
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			46	18

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

DATE	BY	DESCRIPTION
		PLAN
		NOTE BOOK
		ALTERNATE CHECKED
		RT. OF WAY CHECKED
		ROAD FILE NAME

DATE	BY	DESCRIPTION
		PROFILE
		NOTE BOOK
		ALTERNATE CHECKED
		RT. OF WAY CHECKED
		STRUCTURE NOTATION GRID

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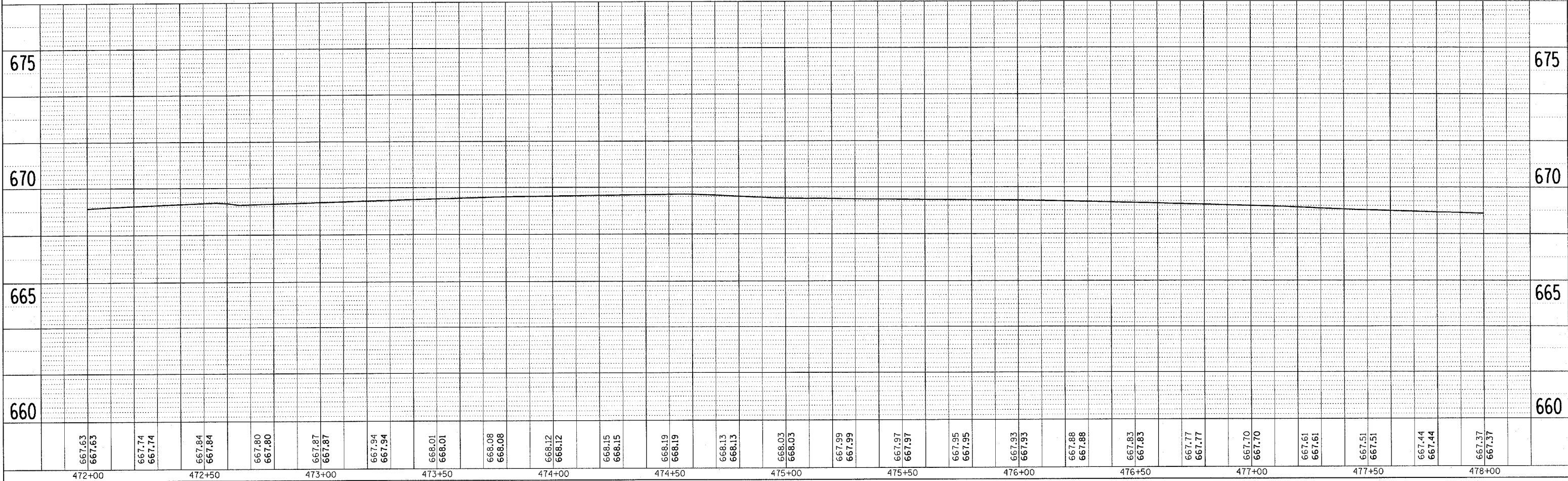
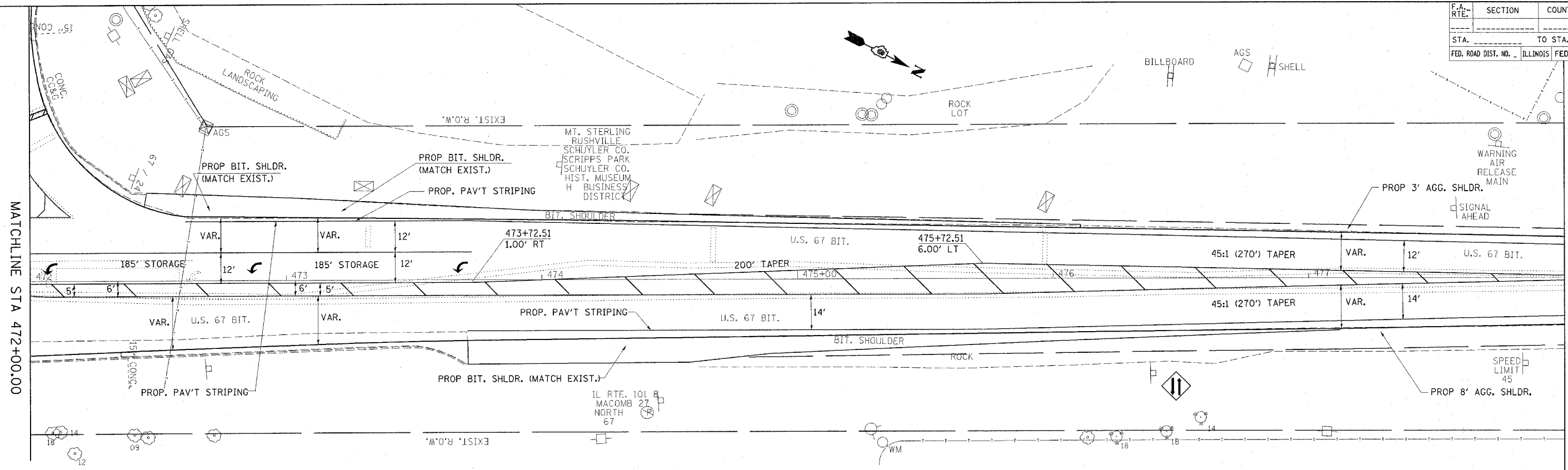


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		

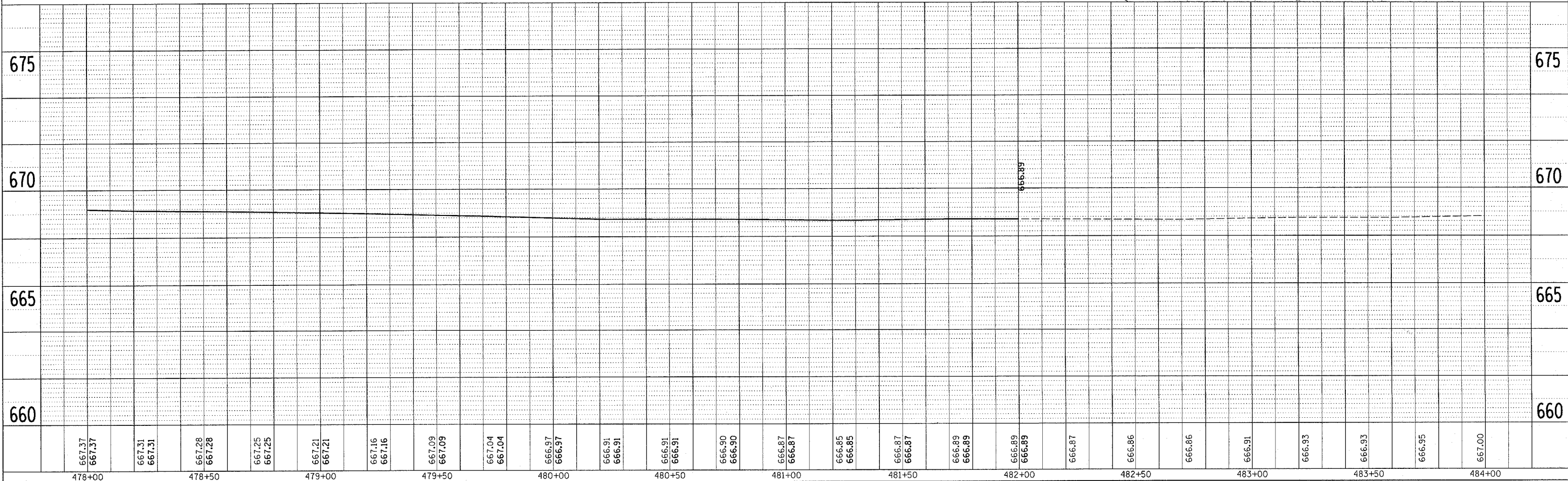
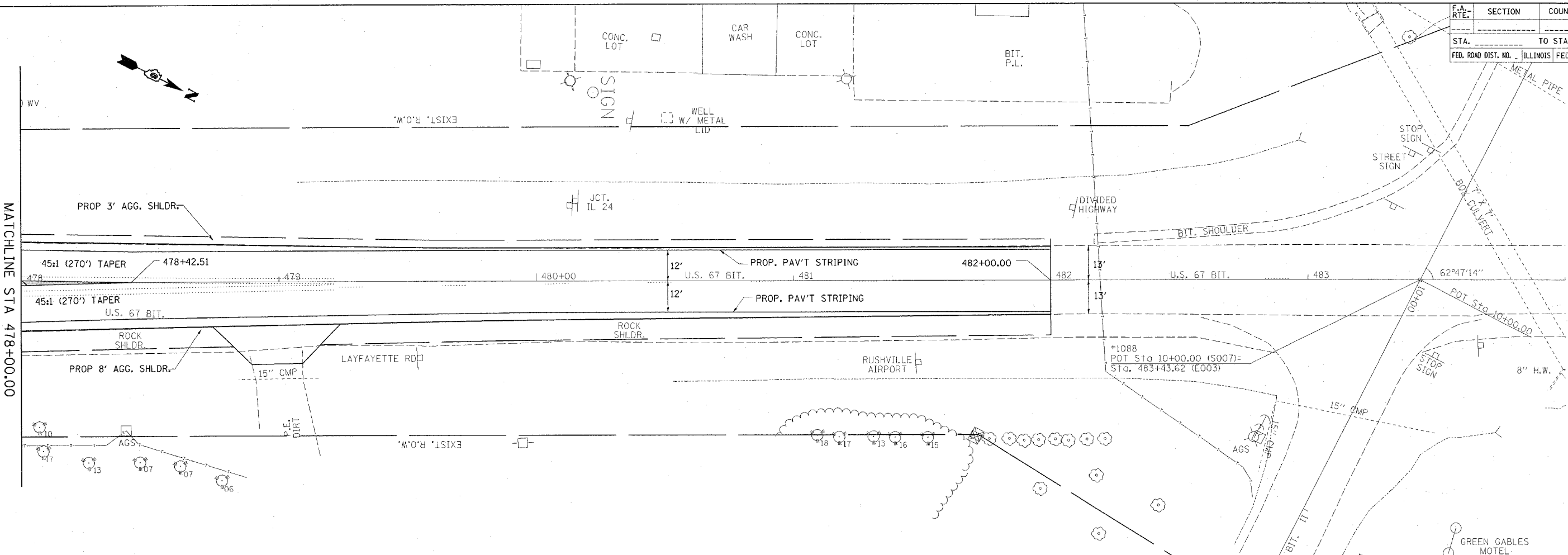
DATE	BY

PROF. DATE	PROF. BY

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 PLOT SCALE = 26.0000' / 1" IN.
 REFERENCE = #REF#



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			46	20
STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT		



PLAN SURVEYED _____ BY _____ DATE _____
 CHECKED _____
 ALIGNED _____
 P.L. OF WAY CHECKED _____
 ROAD FILE NAME _____

PROFILE SURVEYED _____ BY _____ DATE _____
 CHECKED _____
 GRADES CHECKED _____
 B.M. NOTED _____
 STRUCTURE NOTATIONS CHECKED _____

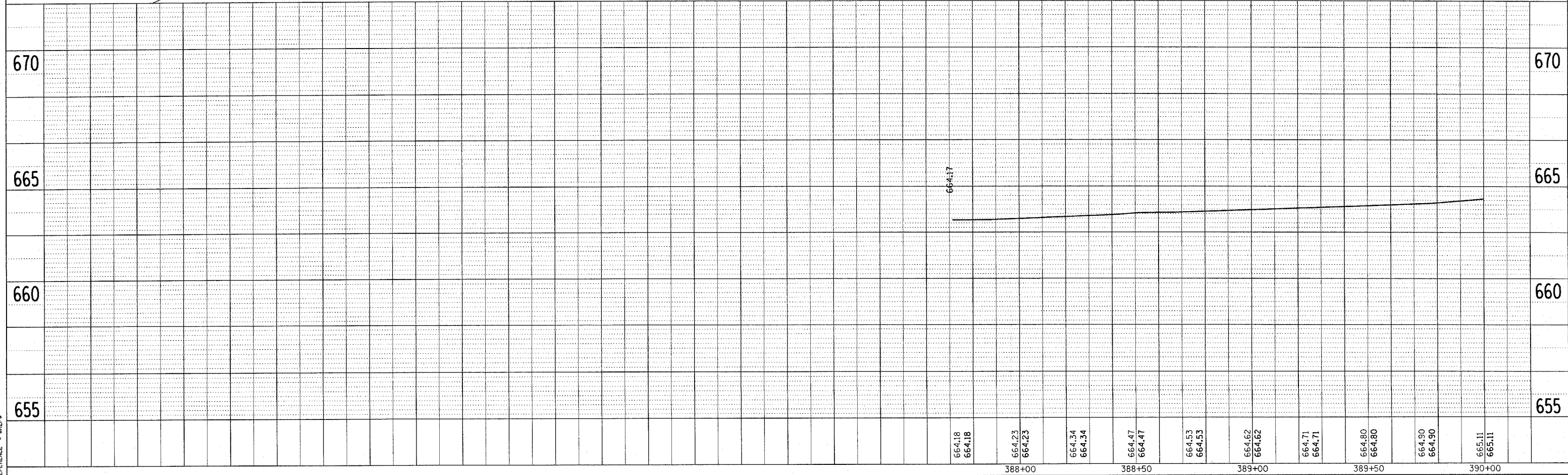
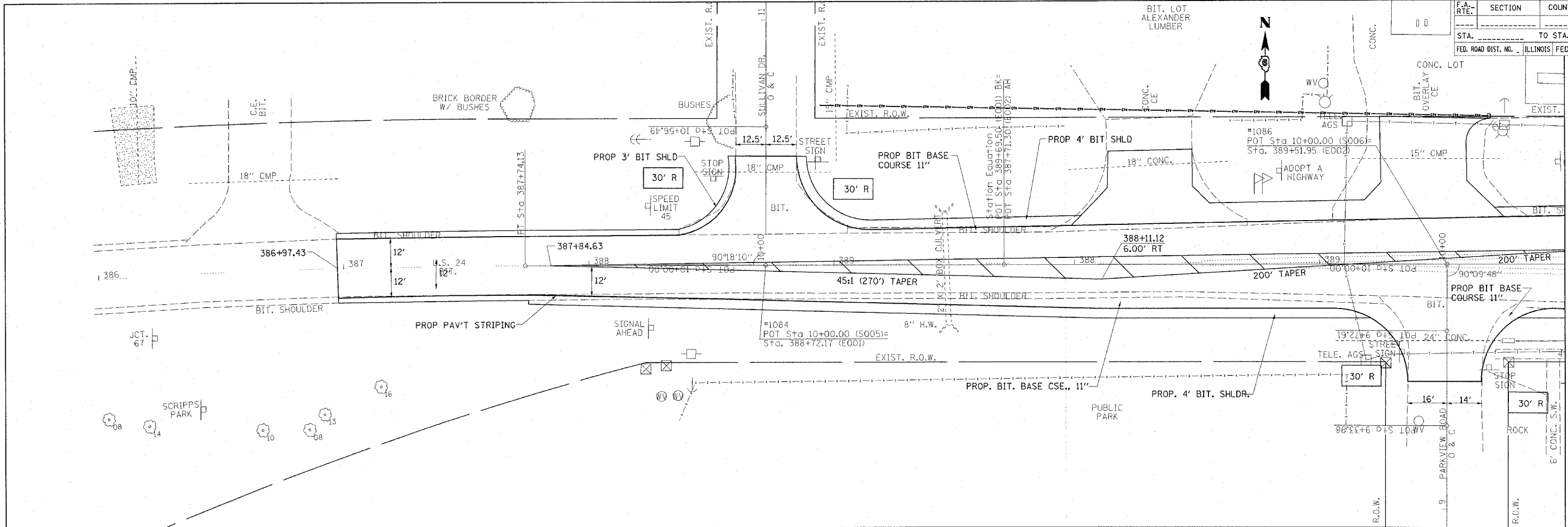
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			46	21
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT _____		

PLAN	DATE
BY _____	_____
NO. _____	

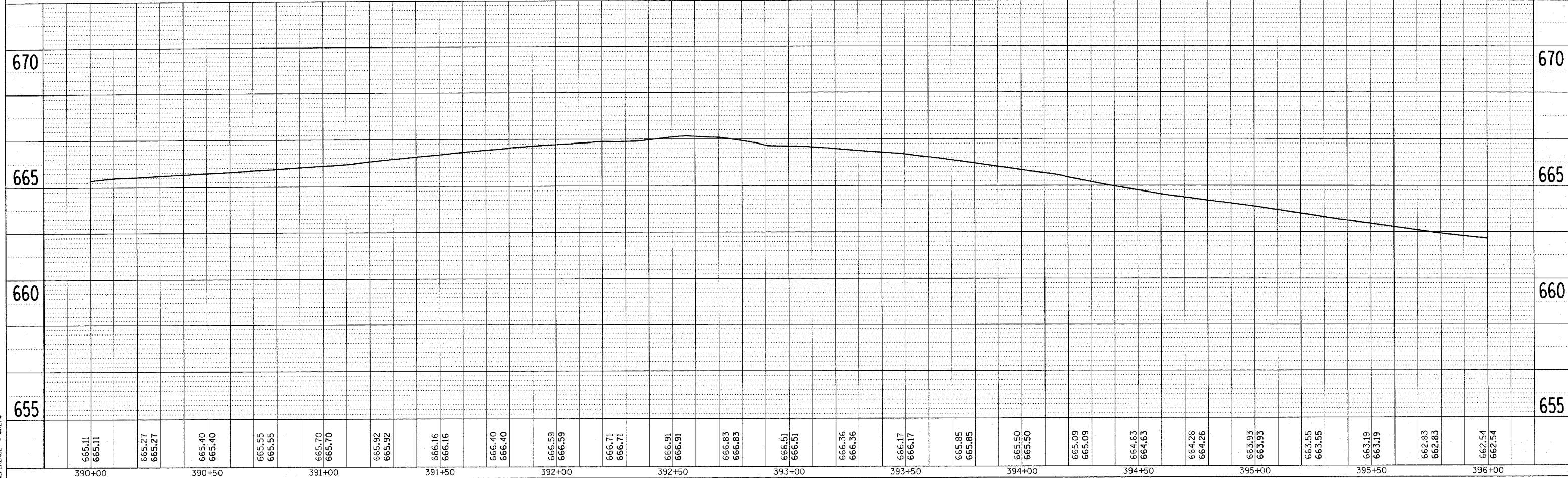
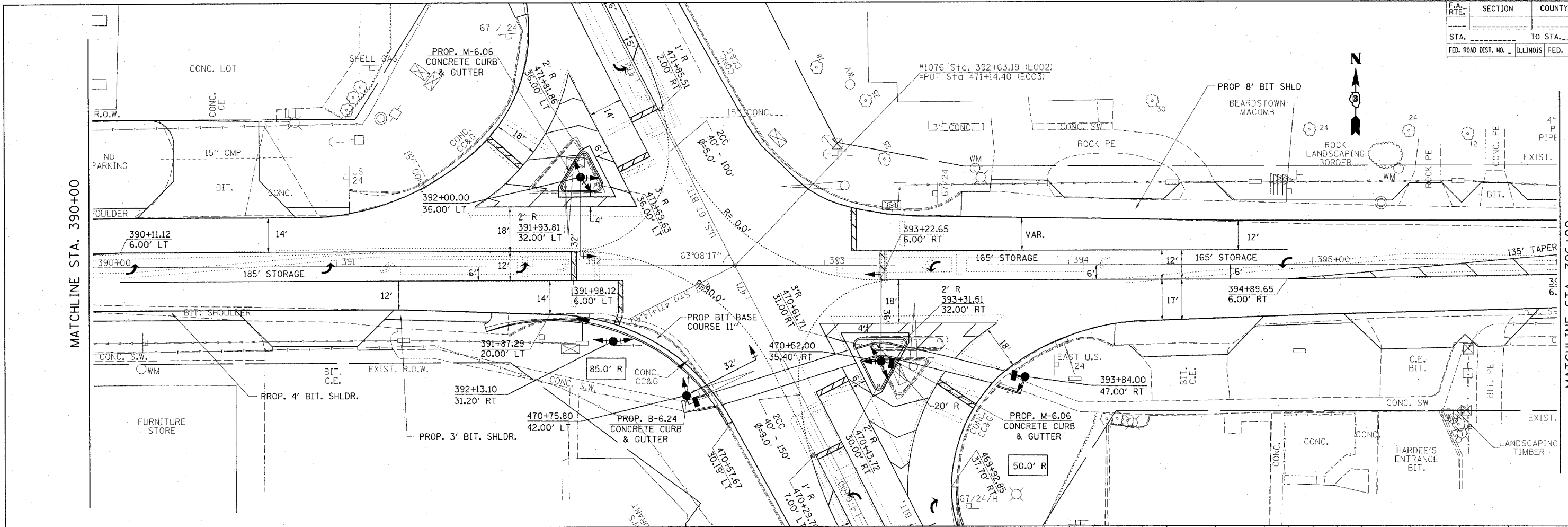
PROFILE	DATE
BY _____	_____
NO. _____	

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 PLOT SCALE = 20.0000 / IN.
 REFERENCE = #REF#



MATCHLINE STA. 390+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			46	22
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		



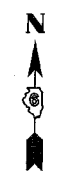
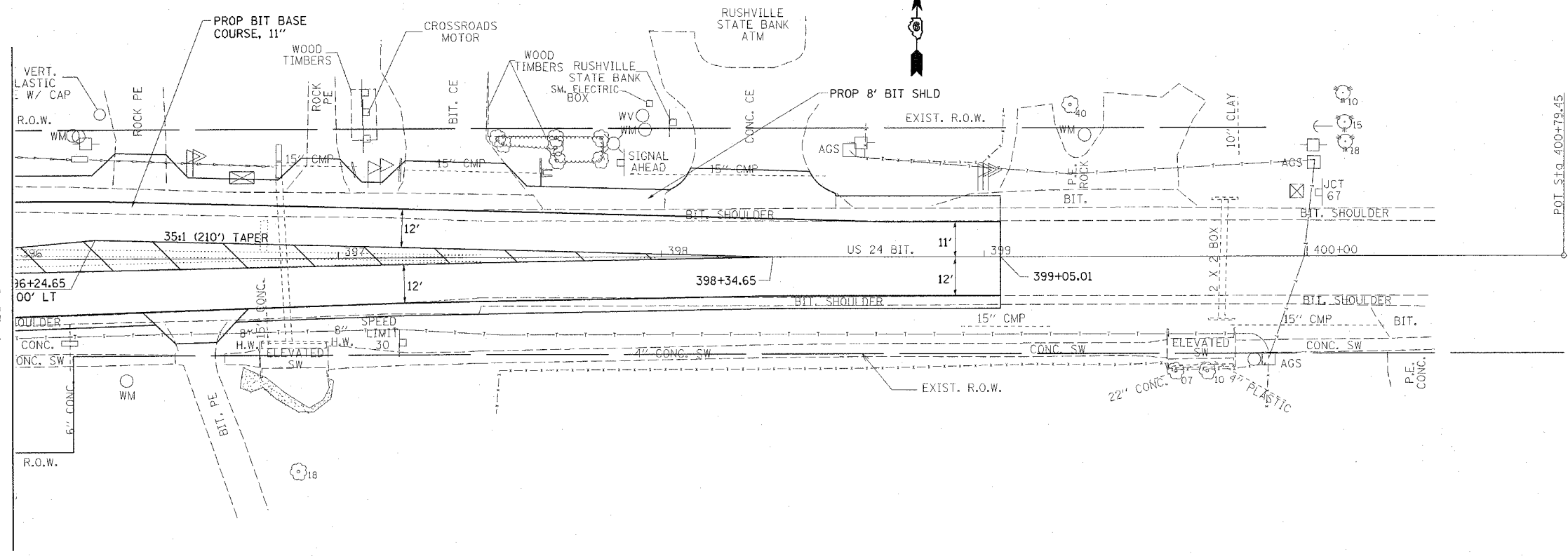
PLAN	DATE
SURVEYED	
NOTE BOOK	
ALIGNED	
CHECKED	
FILED	
NO.	

PROFILE	DATE
SURVEYED	
NOTE BOOK	
ALIGNED	
CHECKED	
FILED	
NO.	

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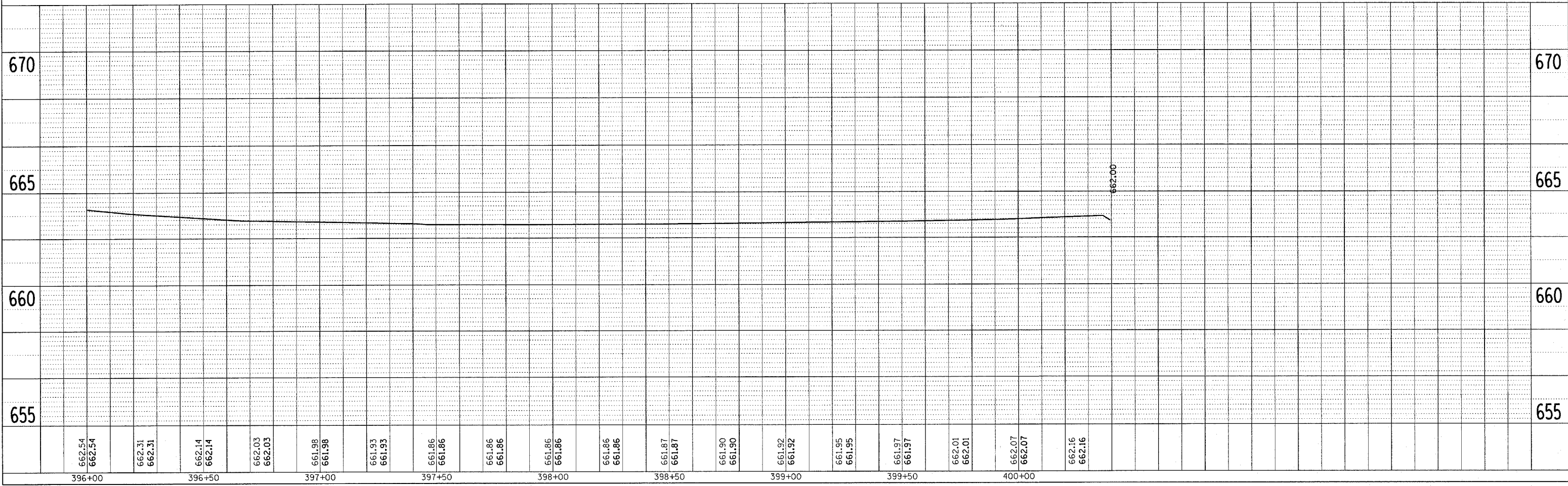
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			46	23
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

MATCHLINE STA. 396+00



DATE	BY	SURVEYED	CHECKED

DATE	BY	PROFILE	CHECKED



PLOT DATE = 4/6/2005
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 REFERENCE = BRIF

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	24

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

• (07-11)-1, TS-2

TEMPORARY SIGNAL NOTES:

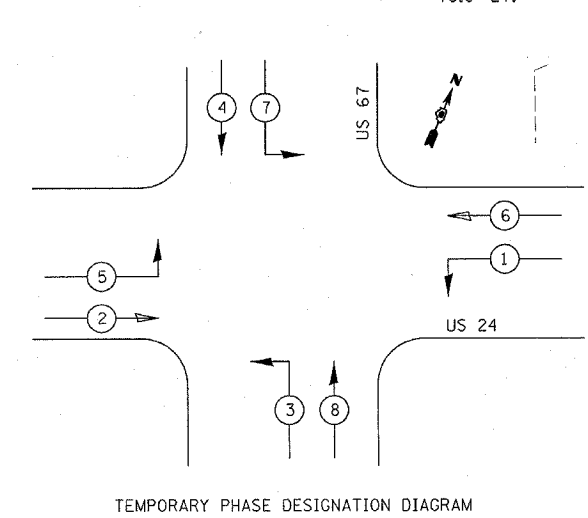
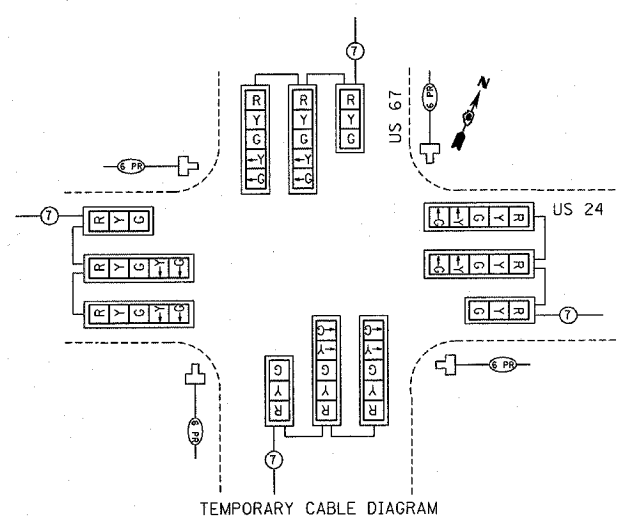
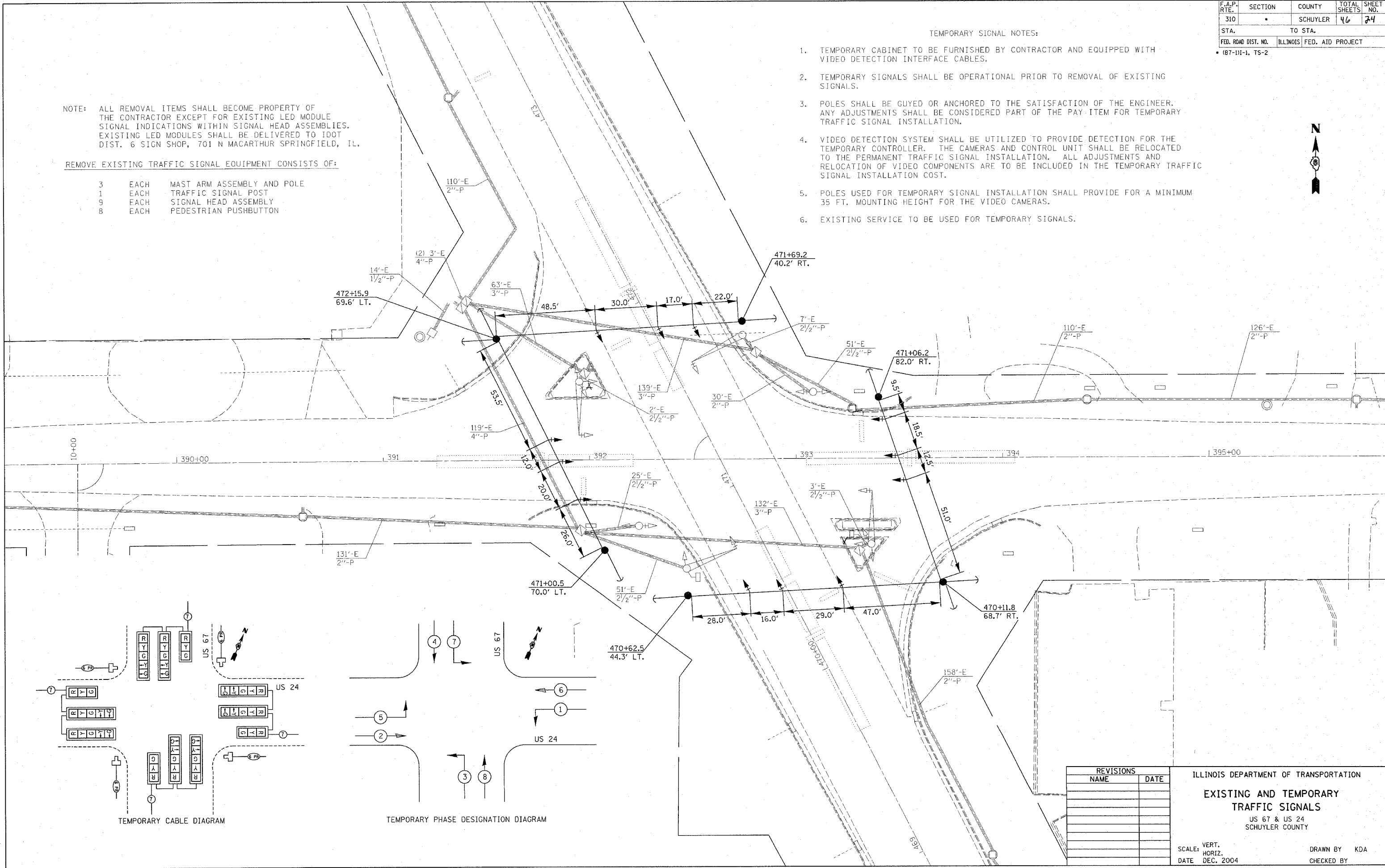
1. TEMPORARY CABINET TO BE FURNISHED BY CONTRACTOR AND EQUIPPED WITH VIDEO DETECTION INTERFACE CABLES.
2. TEMPORARY SIGNALS SHALL BE OPERATIONAL PRIOR TO REMOVAL OF EXISTING SIGNALS.
3. POLES SHALL BE GUYED OR ANCHORED TO THE SATISFACTION OF THE ENGINEER. ANY ADJUSTMENTS SHALL BE CONSIDERED PART OF THE PAY ITEM FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
4. VIDEO DETECTION SYSTEM SHALL BE UTILIZED TO PROVIDE DETECTION FOR THE TEMPORARY CONTROLLER. THE CAMERAS AND CONTROL UNIT SHALL BE RELOCATED TO THE PERMANENT TRAFFIC SIGNAL INSTALLATION. ALL ADJUSTMENTS AND RELOCATION OF VIDEO COMPONENTS ARE TO BE INCLUDED IN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION COST.
5. POLES USED FOR TEMPORARY SIGNAL INSTALLATION SHALL PROVIDE FOR A MINIMUM 35 FT. MOUNTING HEIGHT FOR THE VIDEO CAMERAS.
6. EXISTING SERVICE TO BE USED FOR TEMPORARY SIGNALS.



NOTE: ALL REMOVAL ITEMS SHALL BECOME PROPERTY OF THE CONTRACTOR EXCEPT FOR EXISTING LED MODULE SIGNAL INDICATIONS WITHIN SIGNAL HEAD ASSEMBLIES. EXISTING LED MODULES SHALL BE DELIVERED TO IDOT DIST. 6 SIGN SHOP, 701 N MACARTHUR SPRINGFIELD, IL.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT CONSISTS OF:

- | | | |
|---|------|----------------------------|
| 3 | EACH | MAST ARM ASSEMBLY AND POLE |
| 1 | EACH | TRAFFIC SIGNAL POST |
| 9 | EACH | SIGNAL HEAD ASSEMBLY |
| 8 | EACH | PEDESTRIAN PUSHBUTTON |



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING AND TEMPORARY TRAFFIC SIGNALS
 US 67 & US 24
 SCHUYLER COUNTY

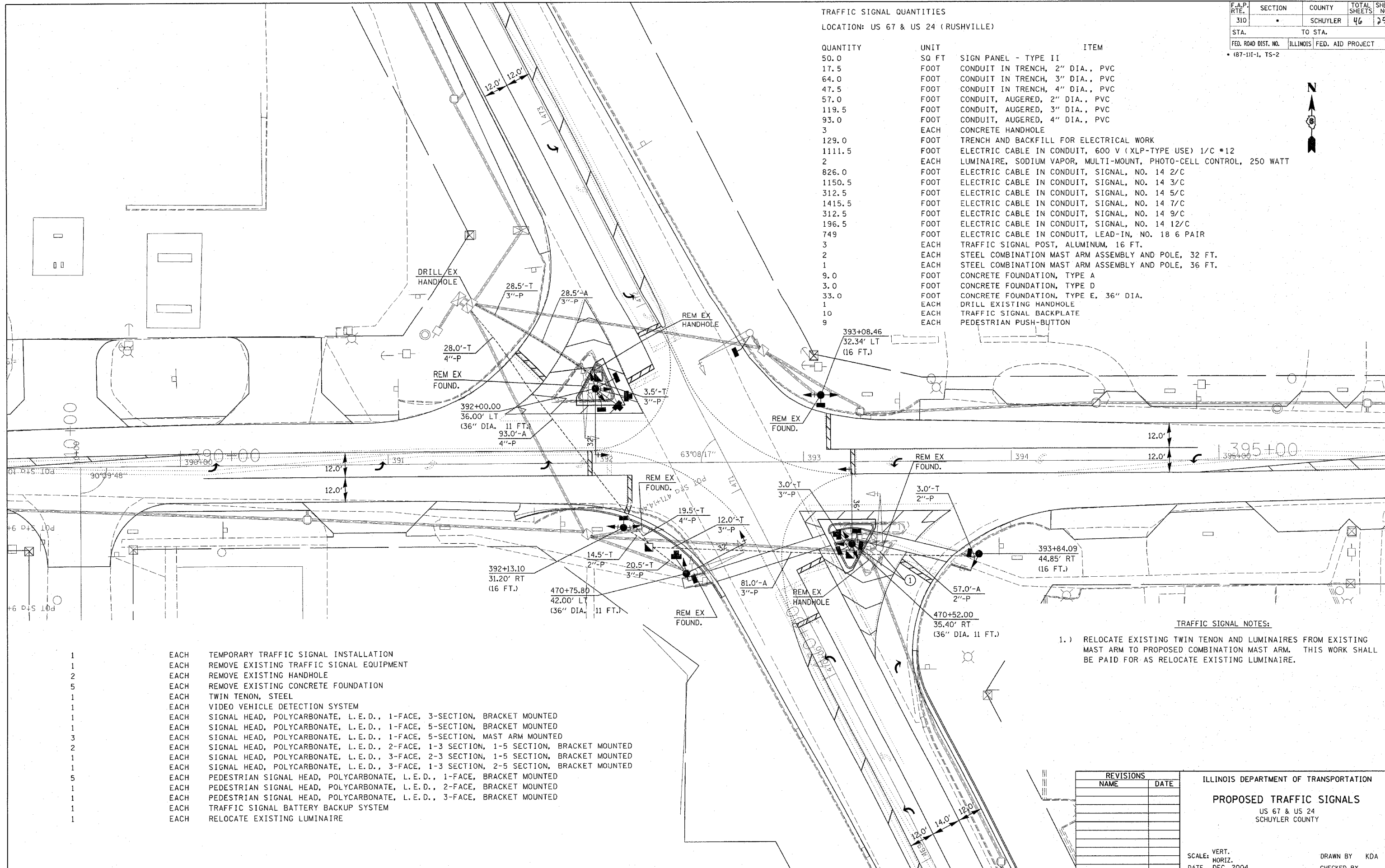
SCALE: VERT. DRAWN BY KDA
 HORIZ. CHECKED BY
 DATE DEC. 2004

PLOT DATE = 4/15/2005
 FILE NAME = c:\prowork\652184\ts_sheets.dgn
 PLOT SCALE = 1/8" = 1'-0"

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	25
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL QUANTITIES
 LOCATION: US 67 & US 24 (RUSHVILLE)

QUANTITY	UNIT	ITEM
50.0	SQ FT	SIGN PANEL - TYPE II
17.5	FOOT	CONDUIT IN TRENCH, 2" DIA., PVC
64.0	FOOT	CONDUIT IN TRENCH, 3" DIA., PVC
47.5	FOOT	CONDUIT IN TRENCH, 4" DIA., PVC
57.0	FOOT	CONDUIT, AUGERED, 2" DIA., PVC
119.5	FOOT	CONDUIT, AUGERED, 3" DIA., PVC
93.0	FOOT	CONDUIT, AUGERED, 4" DIA., PVC
3	EACH	CONCRETE HANDHOLE
129.0	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1111.5	FOOT	ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 1/C #12
2	EACH	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT
826.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2/C
1150.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3/C
312.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5/C
1415.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7/C
312.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 9/C
196.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 12/C
749	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 6 PAIR
3	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 16 FT.
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 32 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 36 FT.
9.0	FOOT	CONCRETE FOUNDATION, TYPE A
3.0	FOOT	CONCRETE FOUNDATION, TYPE D
33.0	FOOT	CONCRETE FOUNDATION, TYPE E, 36" DIA.
1	EACH	DRILL EXISTING HANDHOLE
10	EACH	TRAFFIC SIGNAL BACKPLATE
9	EACH	PEDESTRIAN PUSH-BUTTON



TRAFFIC SIGNAL NOTES:

- 1.) RELOCATE EXISTING TWIN TENON AND LUMINAIRES FROM EXISTING MAST ARM TO PROPOSED COMBINATION MAST ARM. THIS WORK SHALL BE PAID FOR AS RELOCATE EXISTING LUMINAIRE.

- 1 EACH TEMPORARY TRAFFIC SIGNAL INSTALLATION
- 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
- 2 EACH REMOVE EXISTING HANDHOLE
- 5 EACH REMOVE EXISTING CONCRETE FOUNDATION
- 1 EACH TWIN TENON, STEEL
- 1 EACH VIDEO VEHICLE DETECTION SYSTEM
- 1 EACH SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED
- 1 EACH SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED
- 3 EACH SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
- 2 EACH SIGNAL HEAD, POLYCARBONATE, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
- 1 EACH SIGNAL HEAD, POLYCARBONATE, L.E.D., 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
- 1 EACH SIGNAL HEAD, POLYCARBONATE, L.E.D., 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED
- 5 EACH PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, L.E.D., 1-FACE, BRACKET MOUNTED
- 1 EACH PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, L.E.D., 2-FACE, BRACKET MOUNTED
- 1 EACH PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, L.E.D., 3-FACE, BRACKET MOUNTED
- 1 EACH TRAFFIC SIGNAL BATTERY BACKUP SYSTEM
- 1 EACH RELOCATE EXISTING LUMINAIRE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TRAFFIC SIGNALS
 US 67 & US 24
 SCHUYLER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE DEC. 2004

DRAWN BY KDA
 CHECKED BY _____

PLOT DATE = 4/5/2005
 PLOT NAME = 1855210A (s. sheneta.dgn)
 PLOT SCALE = 1/8"=1'-0" / 1/4"

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	26
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (87-111-1, TS-2)

TRAFFIC SIGNAL PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		TEMPORARY SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSHBUTTON DETECTOR
		DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		SIGNAL POST
		ALUMINUM MAST ARM ASSEMBLY AND POLE
		STEEL MAST ARM ASSEMBLY AND POLE
		WOOD POLE
		WOOD POLE WITH GUY
		SERVICE INSTALLATION
		CONTROLLER
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		JUNCTION BOX
		GULFBOX JUNCTION
		AERIAL CABLE
		CONDUIT LENGTH - CONSTRUCTION (T=TRENCH P=PUSHED A=AUGERED E=EXISTING) SIZE - TYPE (S=STEEL P=PVC F=FIBER DUCT U=UNI-DUCT)
		CONDUIT SPLICE
		SPAN WIRE / TETHER WIRE
		21 SIDEWALK REMOVAL IN SQ FT
		9 PC CONC SDWLK 4 IN. IN SQ FT
		12 PC CONC SDWLK 4 IN. SPECIAL IN SQ FT

TRAFFIC SIGNAL WIRING DIAGRAM LEGEND

EXISTING	PROPOSED	DESCRIPTION
		8" SIGNAL SECTION
		DIRECTIONAL SIGNAL SECTION
		9" PEDESTRIAN SIGNAL FACE
		12" PEDESTRIAN SIGNAL FACE
		SIGNAL FACE WITH BACKPLATE
		PROGRAMMED SIGNAL SECTION
		SIGNAL SECTION WITH LOUVRE
		DUAL-INDICATION SIGNAL SECTION
		INDUCTION DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		DIRECT-CONNECTED LOOP LEAD-IN (TWISTED)
		ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
		ELECTRIC CABLE TO BE REMOVED
		ELECTRIC CABLE IDENTIFIER TAPE CODES (R= RED W= WHITE Y= YELLOW G= GREEN B= BLUE O= ORANGE)
		PEDESTRIAN PUSHBUTTON DETECTOR

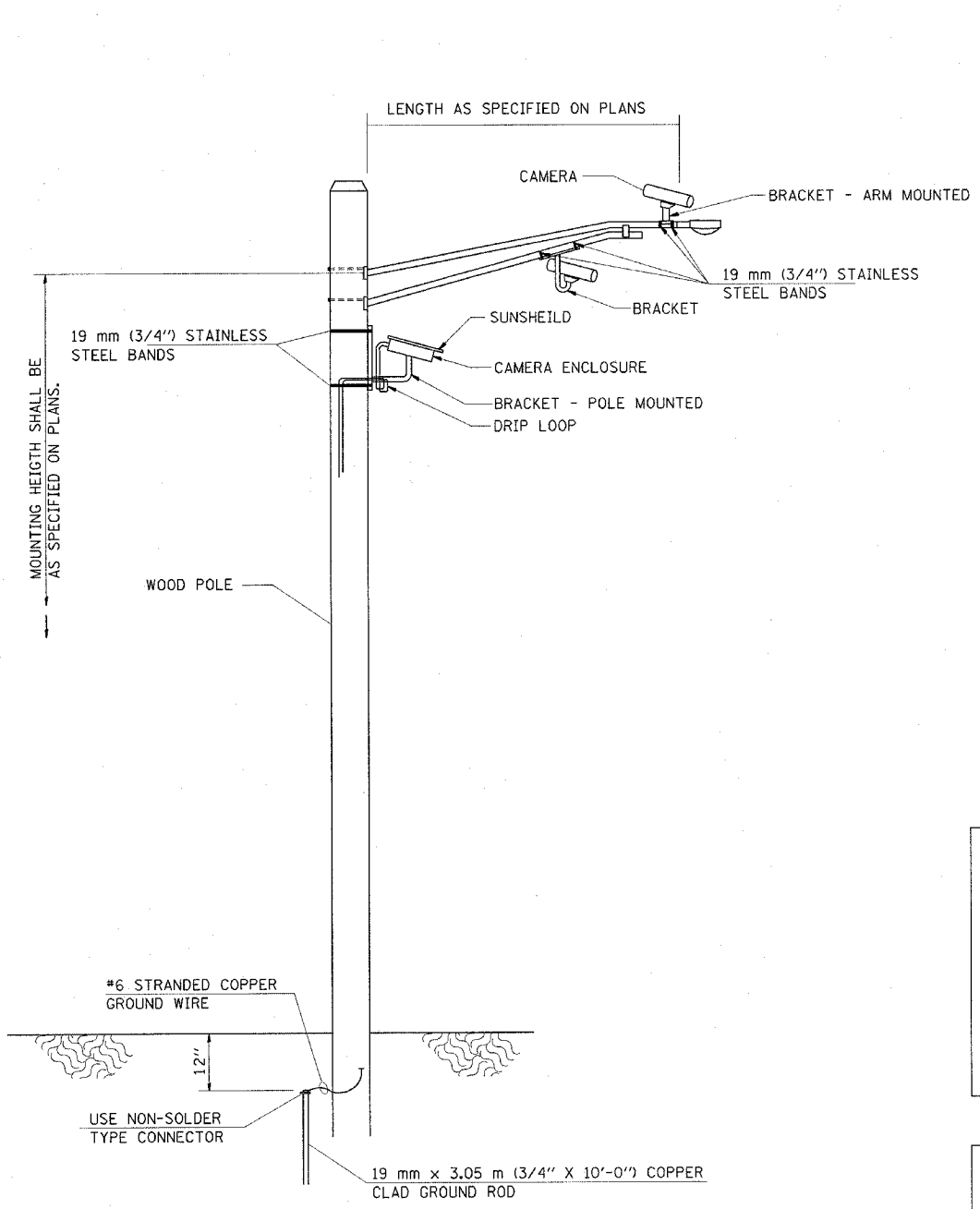
PLOT DATE = 4/5/2005
 PLOT SCALE = 1/8" = 1'-0"
 PLOT SCALE = 1/8" = 1'-0"

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		TRAFFIC SIGNAL LEGEND

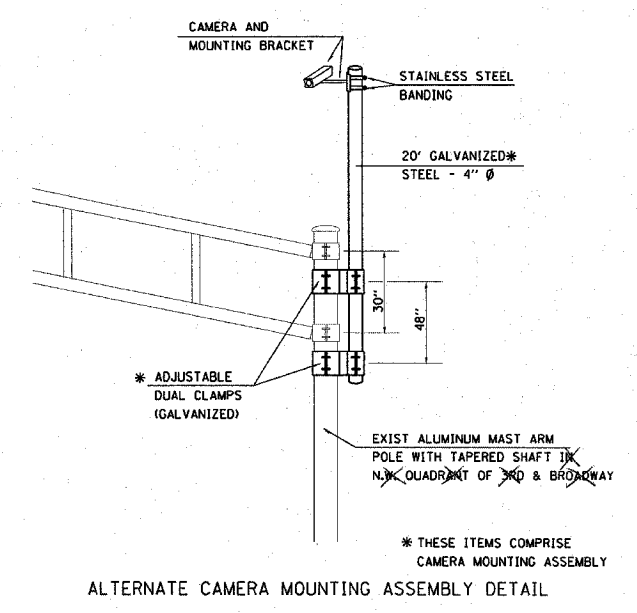
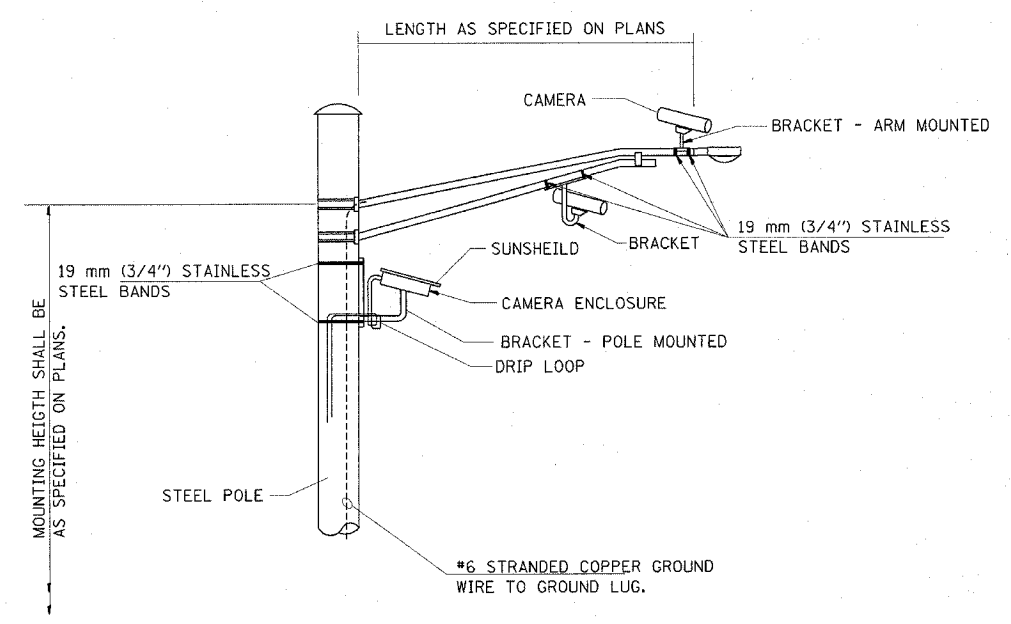
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 HORIZ. _____

DRAWN BY _____
 CHECKED BY _____

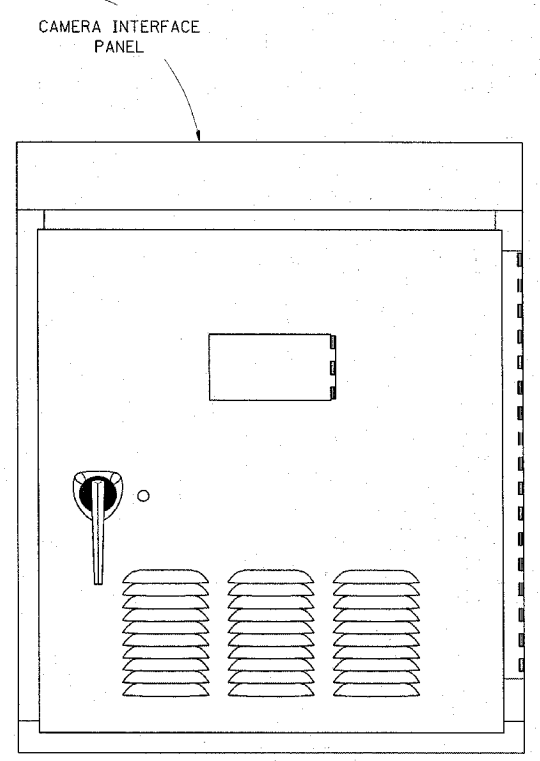
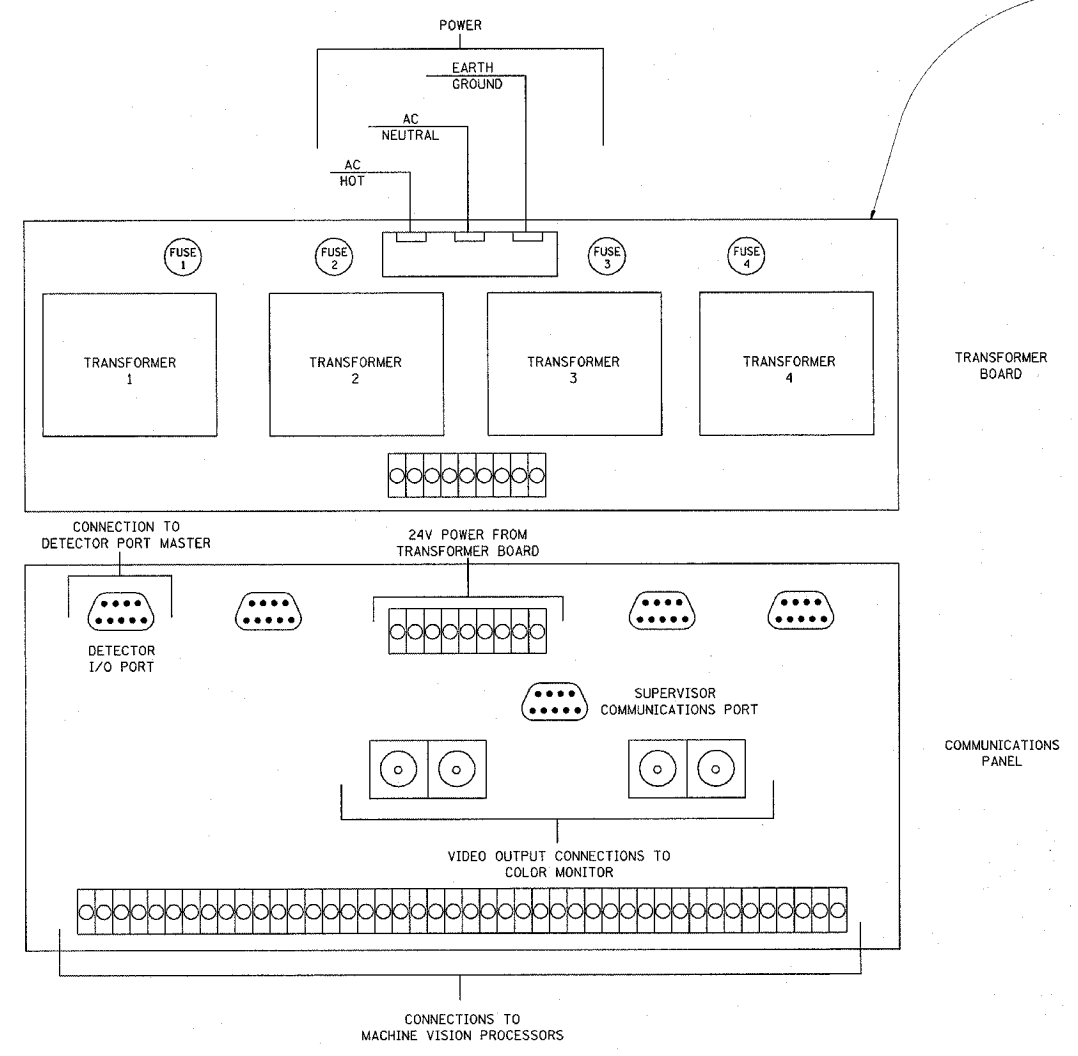
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 187-111-1, TS-2				



VIDEO DETECTION SYSTEM INSTALLATION
ARM MOUNTED OR POLE MOUNTED CAMERA



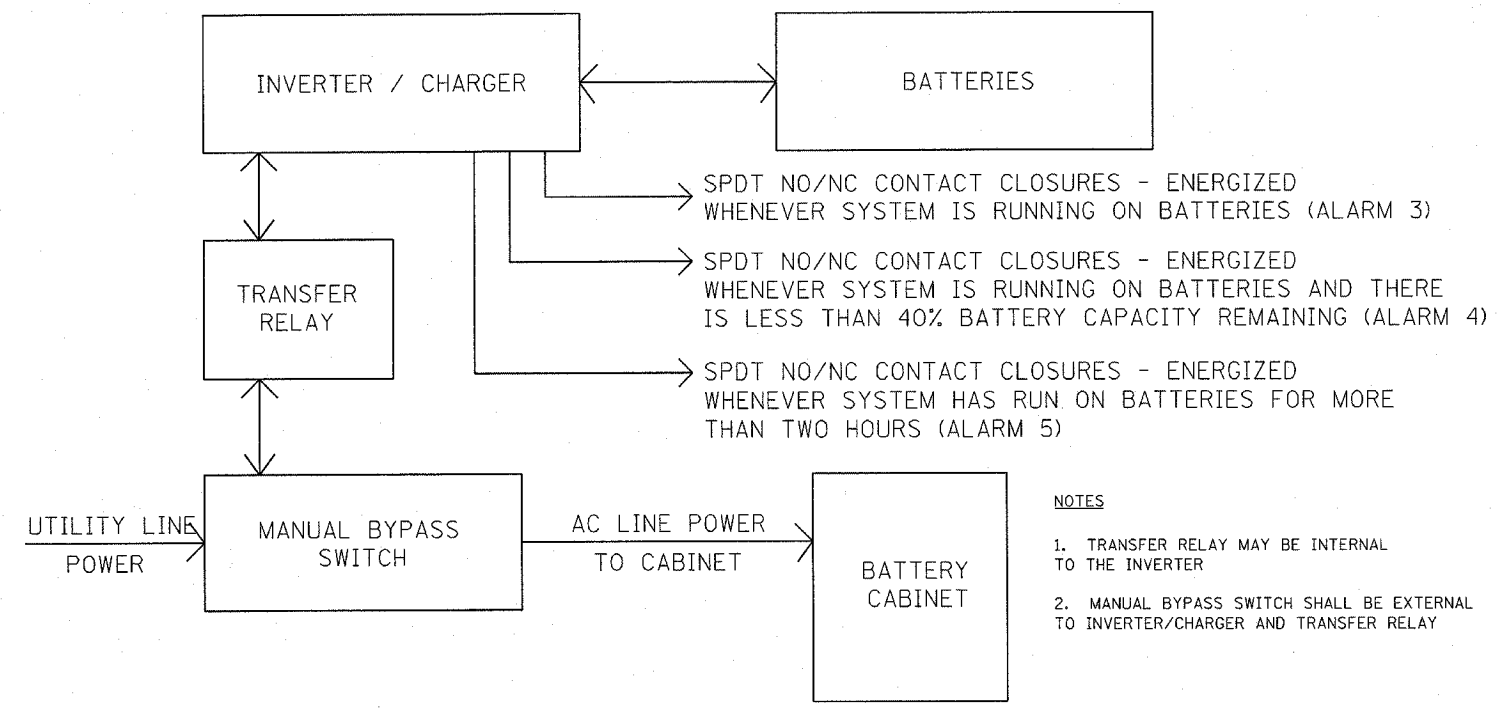
ALTERNATE CAMERA MOUNTING ASSEMBLY DETAIL



REVISIONS	
NAME	DATE
WCD	31OCT97

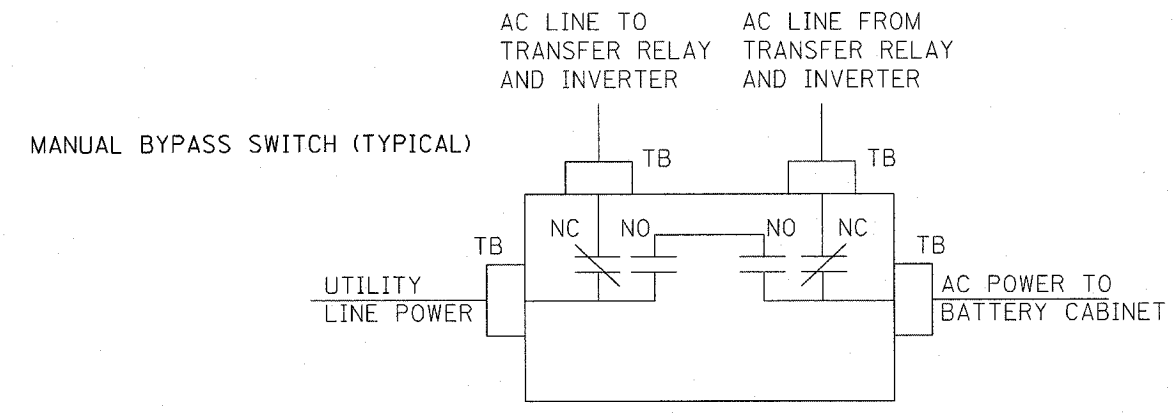
ILLINOIS DEPARTMENT OF TRANSPORTATION
VIDEO DETECTION SYSTEM INSTALLATION DETAIL
SCALE: VERT. DATE
HORIZ. DATE
DRAWN BY
CHECKED BY

PLOT DATE = 4/5/2005
FILE NAME = c:\projects\mvs2104\1.s_sheets.dgn
PLOT SCALE = 1/8" = 1'-0" / IN



BATTERY BACKUP SYSTEM (BBS) BLOCK DIAGRAM

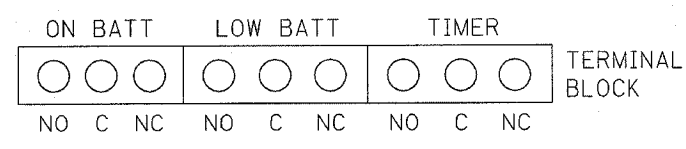
- NOTES**
1. TRANSFER RELAY MAY BE INTERNAL TO THE INVERTER
 2. MANUAL BYPASS SWITCH SHALL BE EXTERNAL TO INVERTER/CHARGER AND TRANSFER RELAY



MANUAL BYPASS SWITCH (TYPICAL)

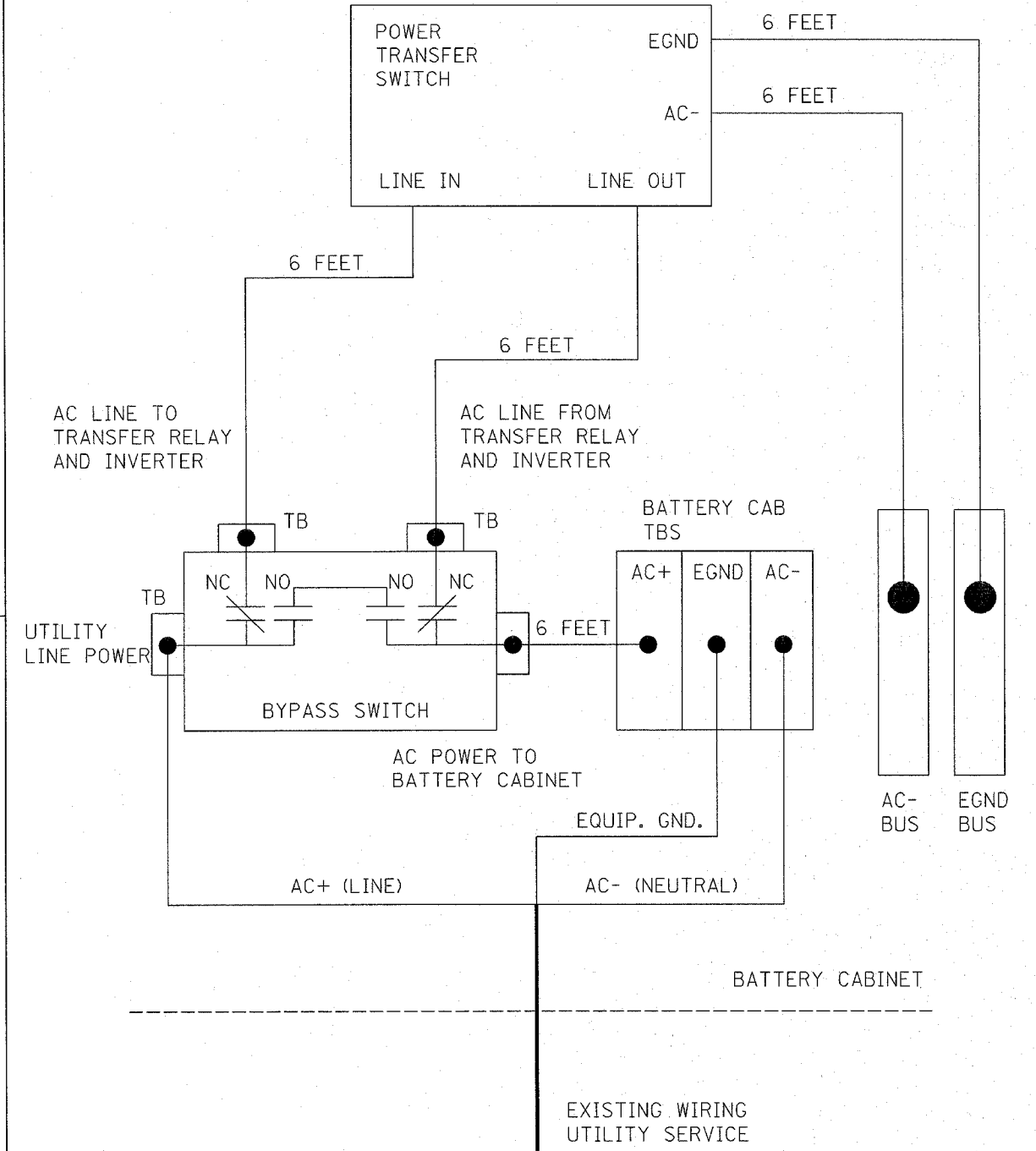
- NOTES**
1. TB - #8 TERMINAL BLOCKS
 2. NO - NORMALLY OPEN
 3. NC - NORMALLY CLOSED
 4. NO/NC CONTACTS SHALL ALL TOGGLE SIMULTANEOUSLY WITH ONE SINGLE MANUALLY OPERATED SWITCH
 5. MANUAL BYPASS SWITCH SHALL ONLY SWITCH LINE. NEUTRAL AND EQUIPMENT GROUND ARE NOT SWITCHED AND SHALL BE CONNECTED TO BATTERY CABINET BUSES

RELAY CONTACTS (NO/NC) AVAILABLE ON PANEL-MOUNTED TERMINAL BLOCK (TYPICAL)



- NOTES**
1. NO/NC CONTACTS MAY EITHER SHARE OR USE SEPARATE COMMONS

BATTERY BACKUP SYSTEM (BBS) BLOCK DIAGRAM



BBS UTILITY POWER CONNECTION DIAGRAM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BATTERY BACKUP SYSTEM DETAILS

SCALE: VERT. _____
 HORIZ. _____

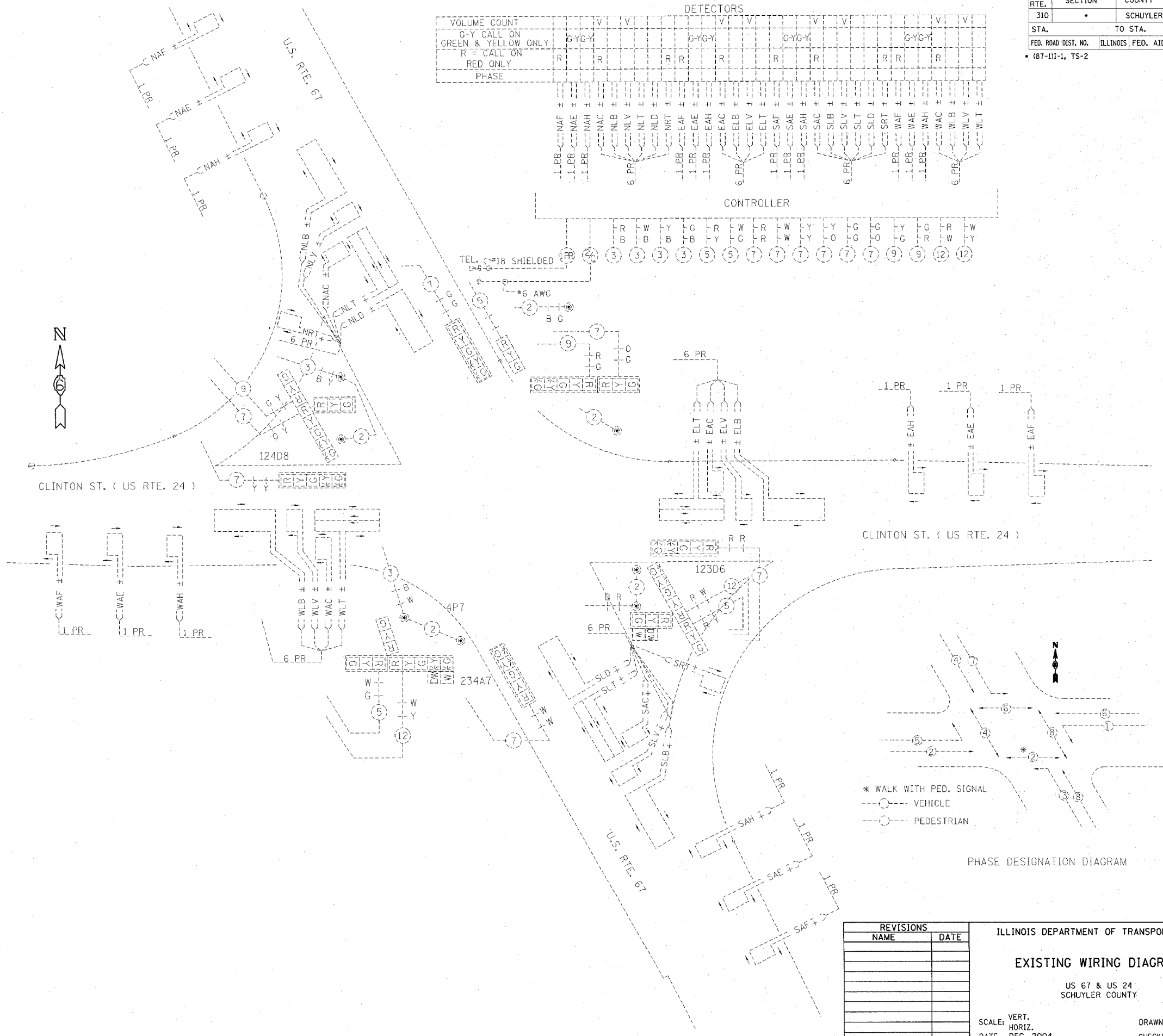
DATE _____

DRAWN BY _____
 CHECKED BY _____

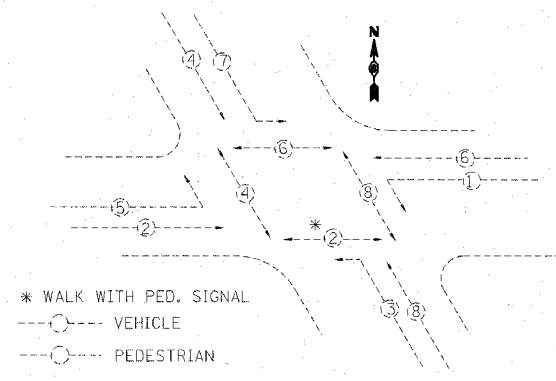
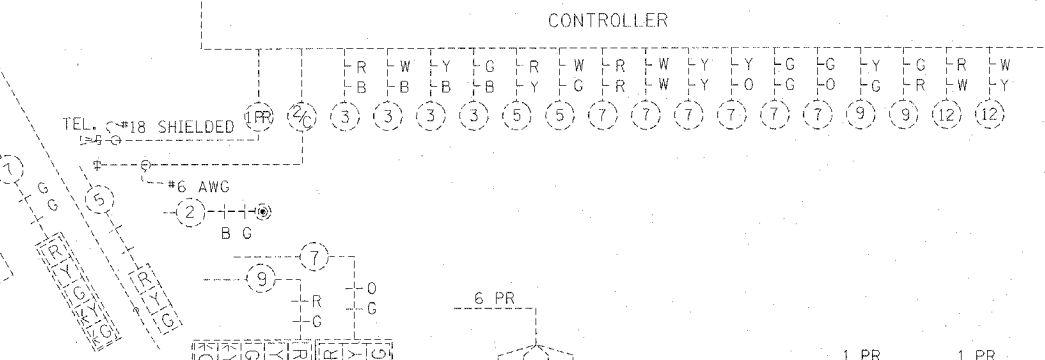
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	29

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

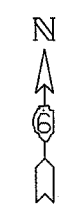
• (87-DI-1, TS-2



VOLUME COUNT		V	V	V	V	V	V	V	V	V	V	V	V
G-Y CALL ON GREEN & YELLOW ONLY	R	R	R	R	R	R	R	R	R	R	R	R	R
R = CALL ON RED ONLY	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE													



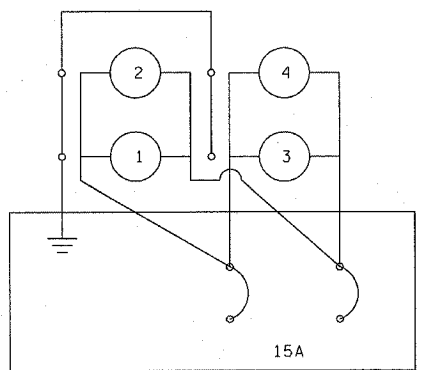
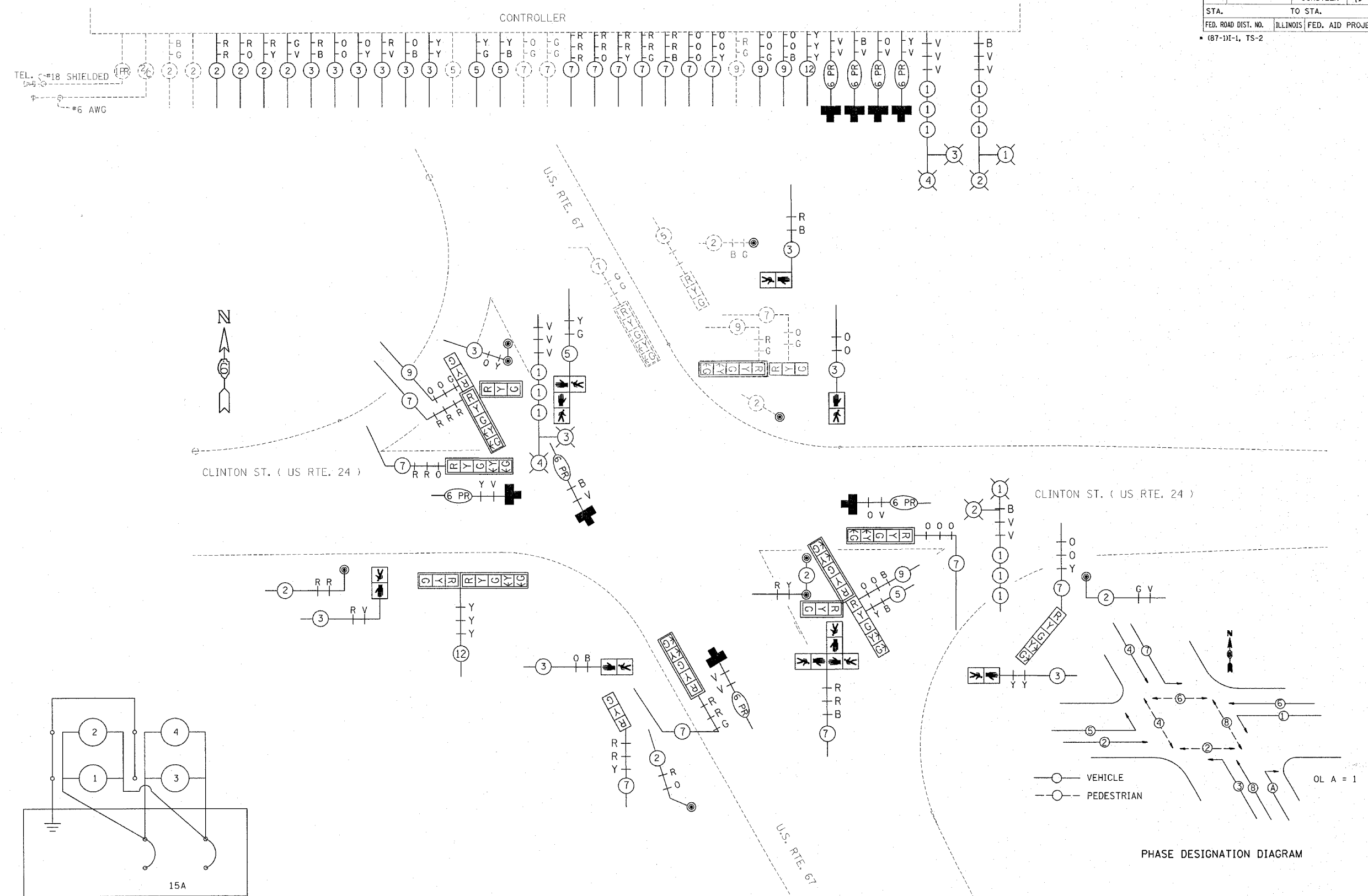
* WALK WITH PED. SIGNAL
 ○ VEHICLE
 ○ PEDESTRIAN



PLOT DATE = 4/5/2005
 PLOT SCALE = 1/8" = 1'-0"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING WIRING DIAGRAM
 US 67 & US 24
 SCHUYLER COUNTY
 SCALE: VERT. DRAWN BY KDA
 HORIZ. CHECKED BY
 DATE DEC. 2004



LIGHTING BREAKER TO BE INCLUDED IN COST OF CONTROLLER.

REVISIONS	
NAME	DATE

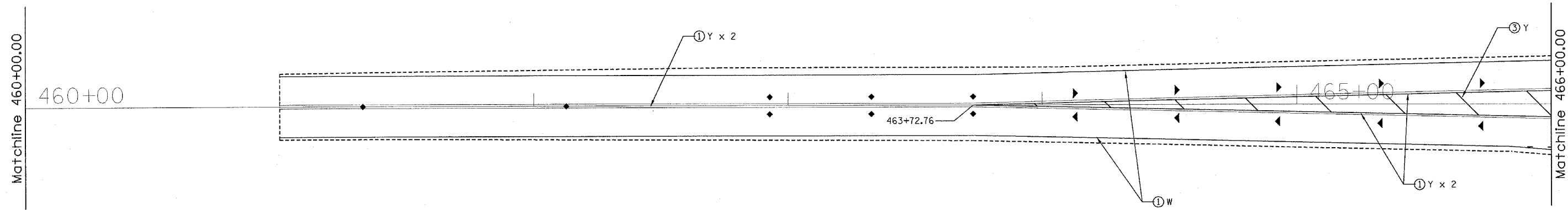
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED WIRING DIAGRAM
 US 67 & US 24
 SCHUYLER COUNTY
 SCALE: VERT. HORIZ.
 DATE DEC. 2004
 DRAWN BY KDA
 CHECKED BY

PLOT DATE = 4/5/2005
 FILE NAME = c:\pwworkspace\user2181\ts_sheets.dgn
 PLOT SCALE = 1/8" = 1'-0"

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	21

STA. _____ TO STA. _____
 FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT

• (87-1)1-1, TS-2



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING, 5"
- ② THERMOPLASTIC PAVEMENT MARKING, 8"
- ③ THERMOPLASTIC PAVEMENT MARKING, 12"
- ④ PERFORMED PLASTIC PAVEMENT MARKING, TY B, L & R
- ⑤ PERFORMED PLASTIC PAVEMENT MARKING, TY B, 24"
- ⑥ PERFORMED PLASTIC PAVEMENT MARKING, TY B, 6"
- ◆ RAISED REFLECTIVE PAVEMENT MARKERS (TWO WAY)
- ▷ RAISED REFLECTIVE PAVEMENT MARKERS (ONE WAY CRYSTAL)
- ▶ RAISED REFLECTIVE PAVEMENT MARKERS (ONE WAY AMBER)

SHEET 1 OF 6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKING
 FAP 310
 SECTION (87-1)1-1, TS-2
 SCHUYLER COUNTY

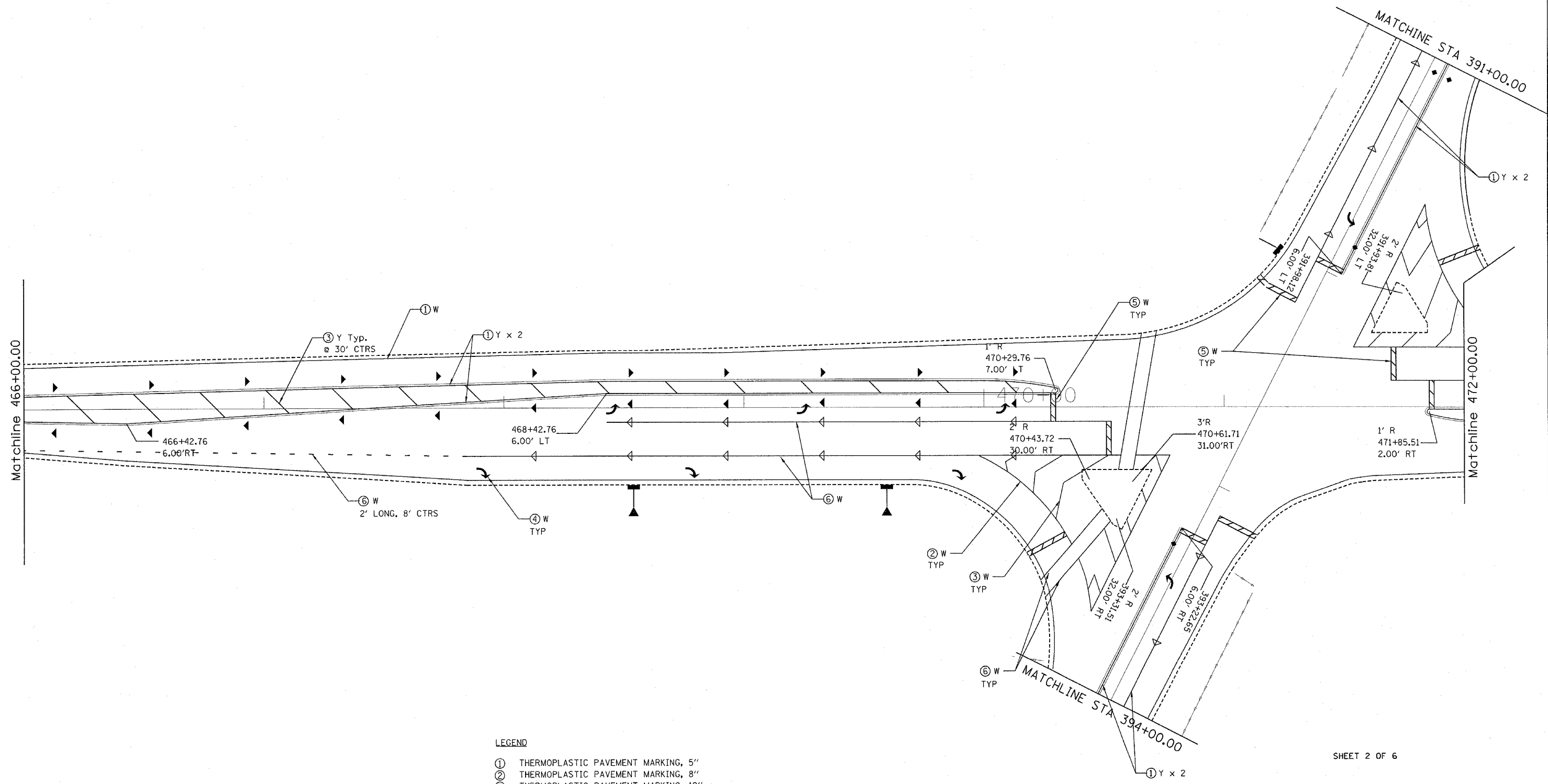
SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 4/8/2005
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 PLOT SCALE = 20.0000' / 1"
 REFERENCE = #REF#

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	32

STA. _____ TO STA. _____
 FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT

• (87-111-1, TS-2)



- LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING, 5"
 - ② THERMOPLASTIC PAVEMENT MARKING, 8"
 - ③ THERMOPLASTIC PAVEMENT MARKING, 12"
 - ④ PERFORMED PLASTIC PAVEMENT MARKING, TY B, L & R
 - ⑤ PERFORMED PLASTIC PAVEMENT MARKING, TY B, 24"
 - ⑥ PERFORMED PLASTIC PAVEMENT MARKING, TY B, 6"
 - ◆ RAISED REFLECTIVE PAVEMENT MARKERS (TWO WAY)
 - ▷ RAISED REFLECTIVE PAVEMENT MARKERS (ONE WAY CRYSTAL)
 - ▶ RAISED REFLECTIVE PAVEMENT MARKERS (ONE WAY AMBER)

SHEET 2 OF 6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKING
 FAP 310
 SECTION (87-111-1, TS-2)
 SCHUYLER COUNTY

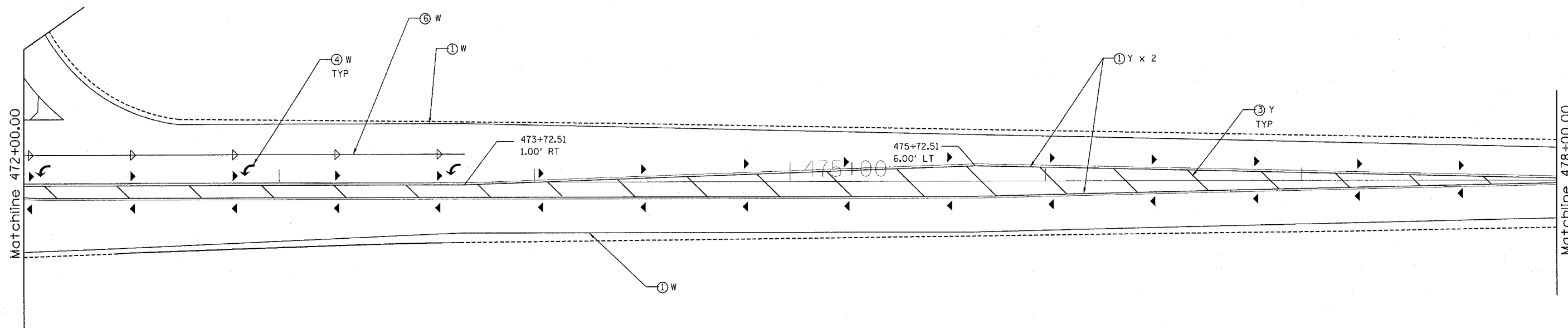
SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 4/6/2005
 PLOT SCALE = 20.0000' / IN.
 REFERENCE = *REF*

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• (87-1)I-1, TS-2



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING, 5"
- ② THERMOPLASTIC PAVEMENT MARKING, 8"
- ③ THERMOPLASTIC PAVEMENT MARKING, 12"
- ④ PERFORMED PLASTIC PAVEMENT MARKING, TY B, L & R
- ⑤ PERFORMED PLASTIC PAVEMENT MARKING, TY B, 24"
- ⑥ PERFORMED PLASTIC PAVEMENT MARKING, TY B, 6"
- ◆ RAISED REFLECTIVE PAVEMENT MARKERS (TWO WAY)
- ▷ RAISED REFLECTIVE PAVEMENT MARKERS (ONE WAY CRYSTAL)
- ▶ RAISED REFLECTIVE PAVEMENT MARKERS (ONE WAY AMBER)

SHEET 3 OF 6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKING
 FAP 310
 SECTION (87-1)I-1, TS-2
 SCHUYLER COUNTY

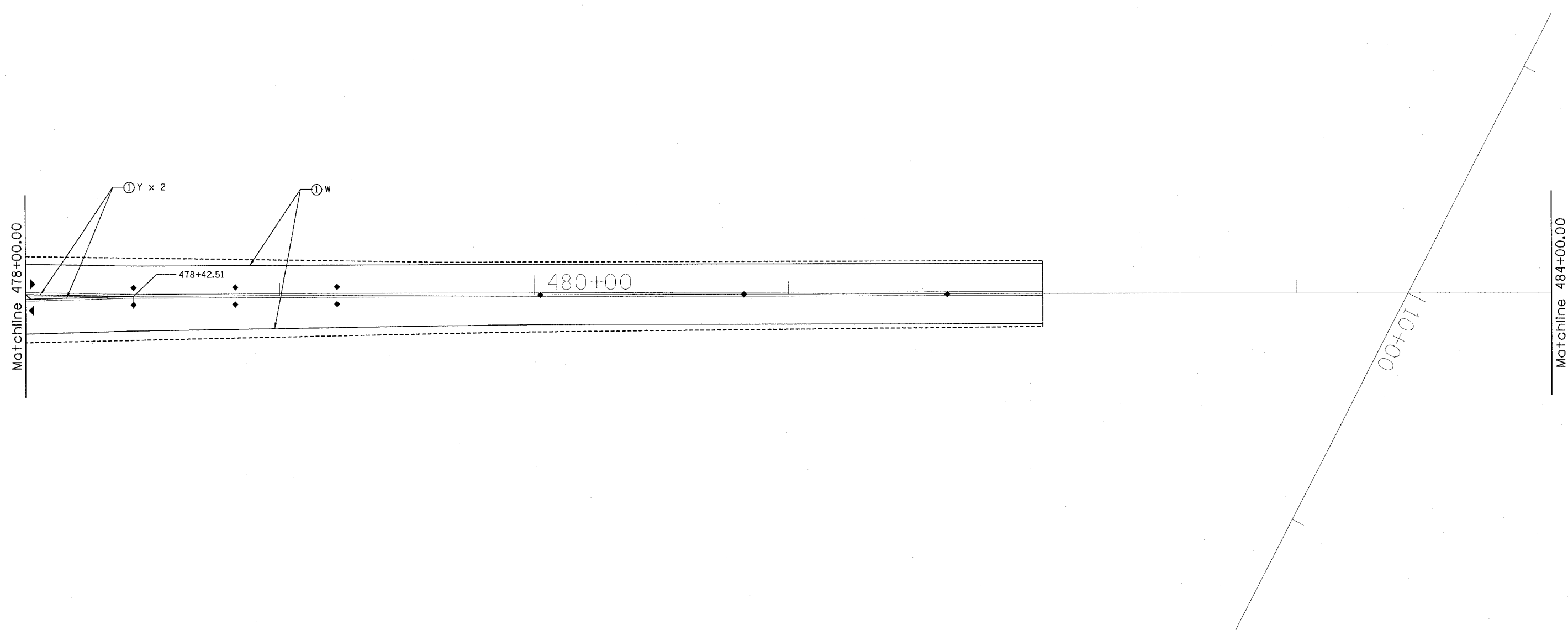
SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

PLOT DATE = 4/9/2005
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 PLOT SCALE = 20.0000' / IN.
 REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• (87-1)1-1, TS-2



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING, 5"
- ② THERMOPLASTIC PAVEMENT MARKING, 8"
- ③ THERMOPLASTIC PAVEMENT MARKING, 12"
- ④ PERFORMED PLASTIC PAVEMENT MARKING, TY B, L & R
- ⑤ PERFORMED PLASTIC PAVEMENT MARKING, TY B, 24"
- ⑥ PERFORMED PLASTIC PAVEMENT MARKING, TY B, 6"
- ◆ RAISED REFLECTIVE PAVEMENT MARKERS (TWO WAY)
- ▷ RAISED REFLECTIVE PAVEMENT MARKERS (ONE WAY CRYSTAL)
- ▶ RAISED REFLECTIVE PAVEMENT MARKERS (ONE WAY AMBER)

SHEET 4 OF 6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKING
 FAP 310
 SECTION (87-1)1-1, TS-2
 SCHUYLER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

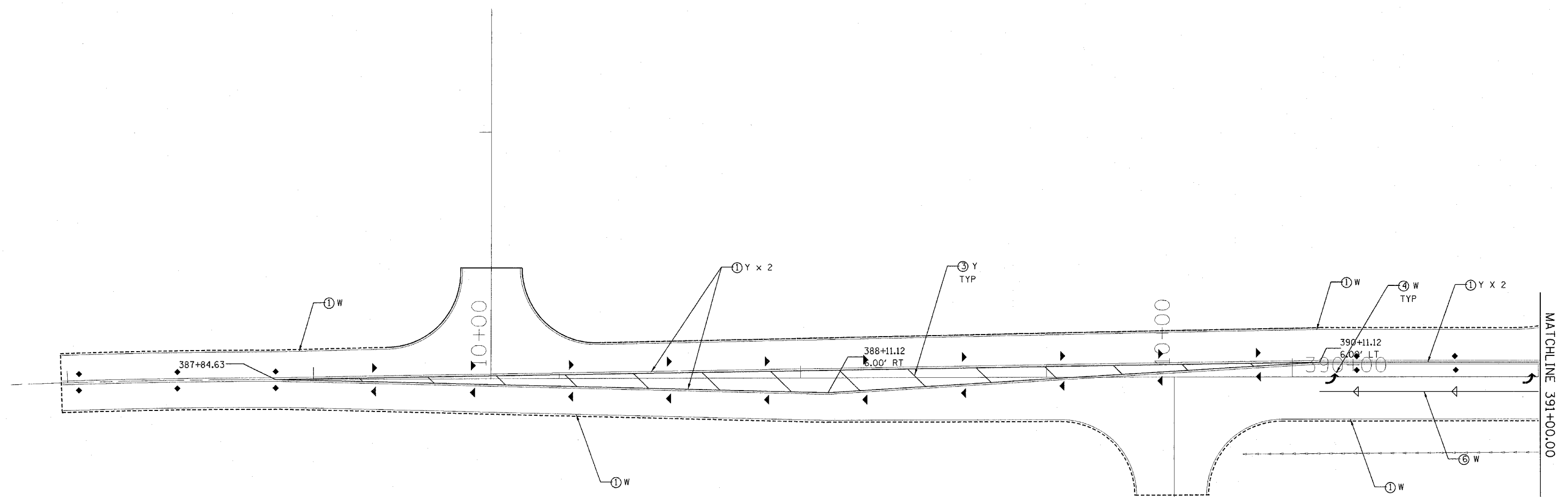
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 CHECKED BY _____

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 REFERENCE = REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	25

STA. _____ TO STA. _____
 FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT

• (87-1)1-1, TS-2



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING, 5"
- ② THERMOPLASTIC PAVEMENT MARKING, 8"
- ③ THERMOPLASTIC PAVEMENT MARKING, 12"
- ④ PERFORMED PLASTIC PAVEMENT MARKING, TY B, L & R
- ⑤ PERFORMED PLASTIC PAVEMENT MARKING, TY B, 24"
- ⑥ PERFORMED PLASTIC PAVEMENT MARKING, TY B, 6"
- ◆ RAISED REFLECTIVE PAVEMENT MARKERS (TWO WAY)
- ▷ RAISED REFLECTIVE PAVEMENT MARKERS (ONE WAY CRYSTAL)
- ▶ RAISED REFLECTIVE PAVEMENT MARKERS (ONE WAY AMBER)

SHEET 5 OF 6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKING
 FAP 310
 SECTION (87-1)1-1, TS-2
 SCHUYLER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

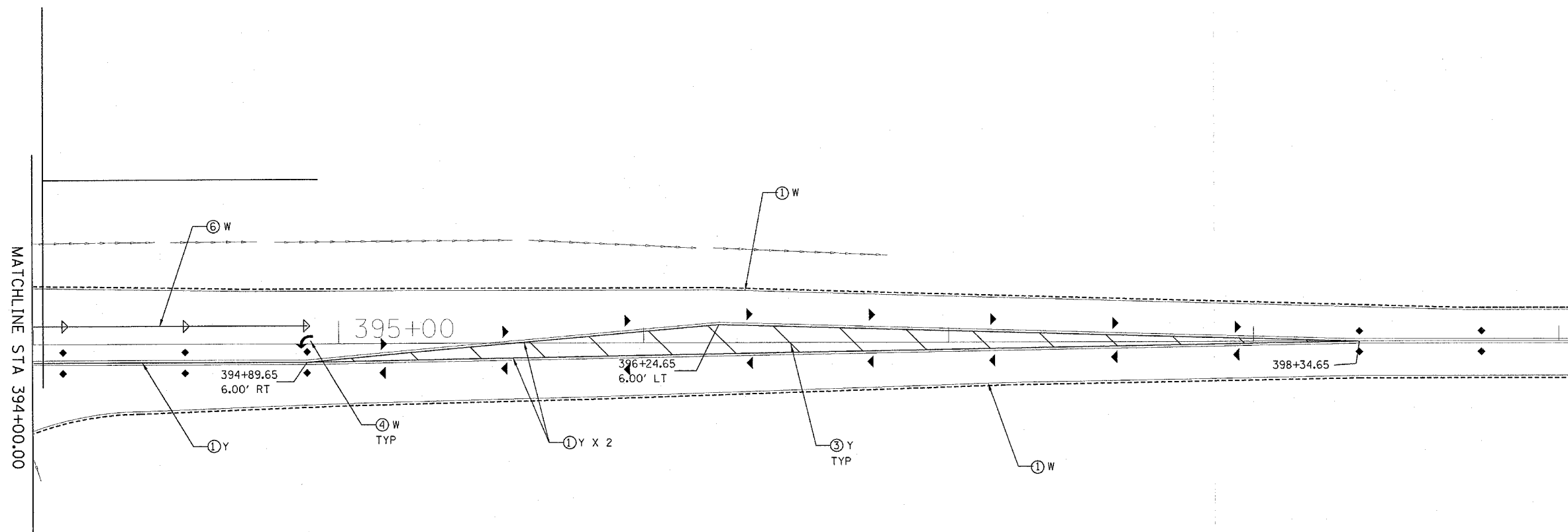
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		SCHUYLER	46	26

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

• (87-1)1-1, TS-2



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING, 5"
- ② THERMOPLASTIC PAVEMENT MARKING, 8"
- ③ THERMOPLASTIC PAVEMENT MARKING, 12"
- ④ PERFORMED PLASTIC PAVEMENT MARKING, TY B, L & R
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- ▶ RAISED REFLECTIVE PAVEMENT MARKERS (ONE WAY AMBER)

SHEET 6 OF 6

REVISIONS	
NAME	DATE

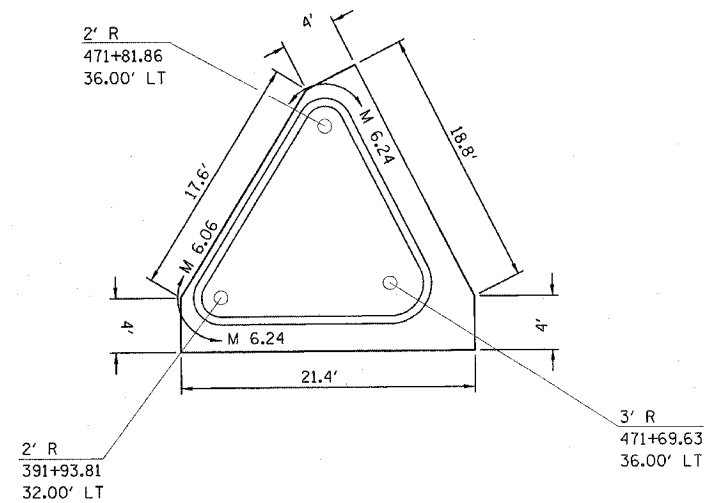
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKING
 FAP 310
 SECTION (87-1)1-1, TS-2
 SCHUYLER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

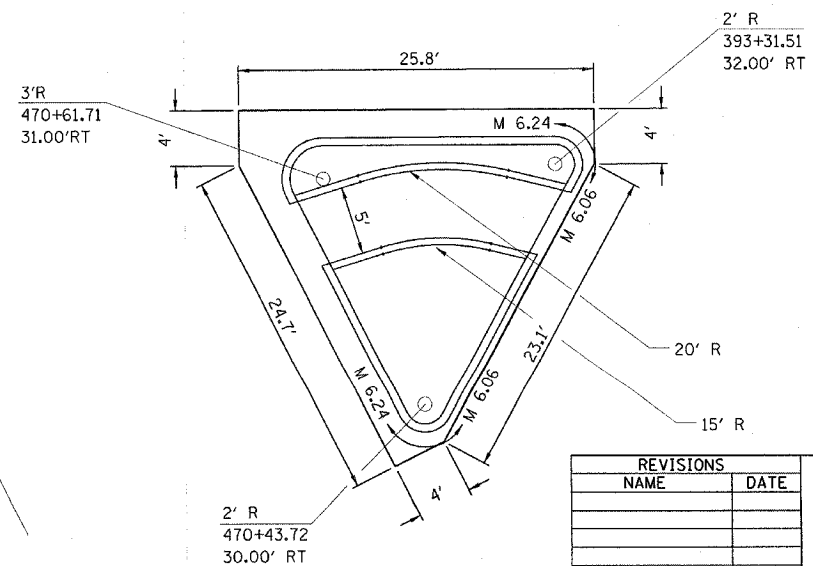
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	SCHUYLER	46	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 310 (US 67)/317 (US 24)				
** (87-1)I-1, TS-2				



US 67

US 24



REVISIONS	
NAME	DATE

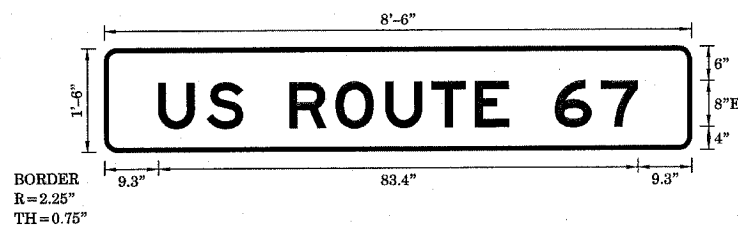
ILLINOIS DEPARTMENT OF TRANSPORTATION
ISLAND DETAILS
 FAP 310 (US 67)/317 (US 24)
 SECTION (87-1)I-1, TS-2
 SCHUYLER COUNTY

SCALE: VERT. : NONE
 HORIZ. : NONE
 DATE : MARCH 2005

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	SCHUYLER	ILLINOIS	46	28
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		FED. AID PROJECT _____		

SIGN DETAIL
1:85



SIGN NUMBER	name
WIDTH x HGHT.	8'-6" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White /White

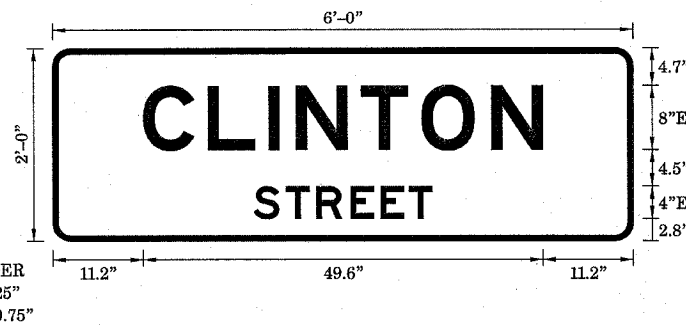
SYMBOL	X	Y	WID	HT

Panel Style: Mast Arm, asi
Dimensions are in inches, tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIESSIZE
U	S		R	O	U	T	E		6	7		E8
9.3	17.7	24.1	32.1	40.2	48.8	56.9	64.4	70.3	78.2	86.3		83.4

SIGN DETAIL
1:25



SIGN NUMBER	name
WIDTH x HGHT.	6'-0" x 2'-0"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White /White

SYMBOL	X	Y	WID	HT

Panel Style: Mast Arm, asi
Dimensions are in inches, tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIESSIZE
C	L	I	N	T	O	N						E8
11.2	19.2	26.8	30.2	38.2	45.8	54.4						49.6
S	T	R	E	E	T							E4
24.9	28.9	32.7	36.9	40.7	44.2							22.2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGN DETAILS

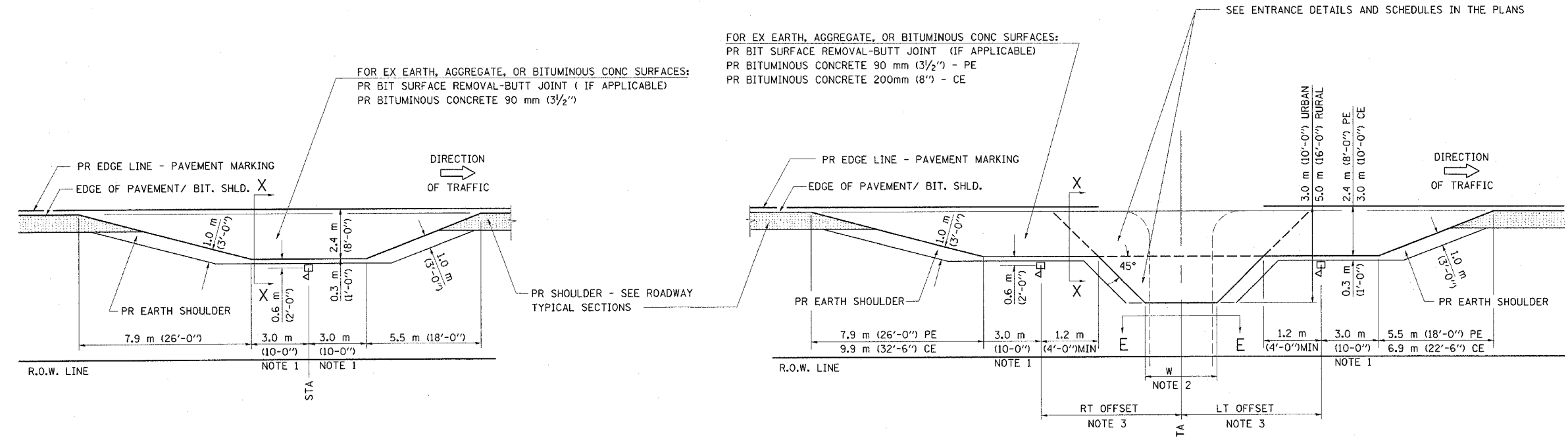
FAP 310 (US 67)
SECTION (87-1) 1-1, TS-2
SCHUYLER COUNTY

SCALE: VERT. _____
HORIZ. _____

DATE _____

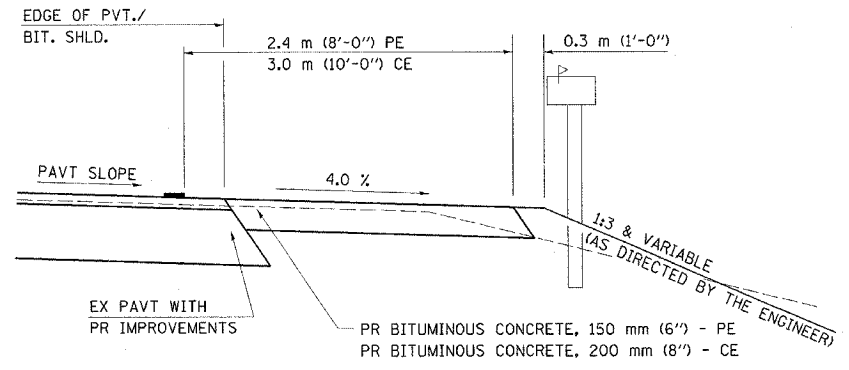
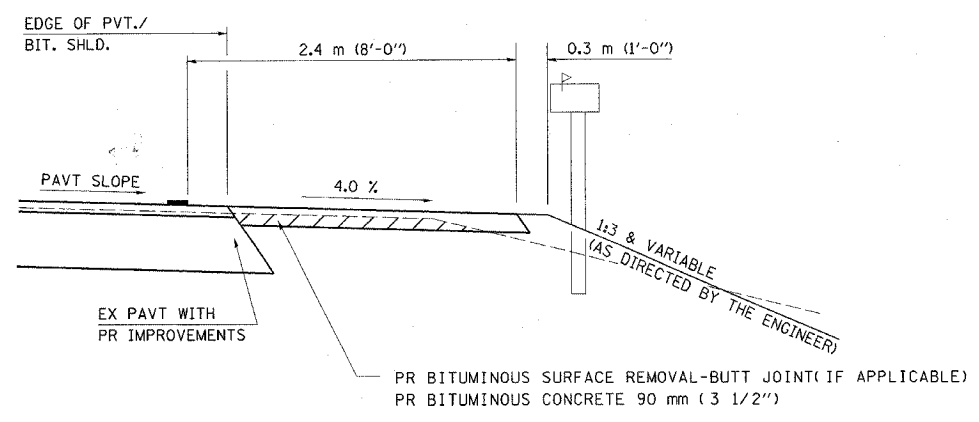
DRAWN BY _____
CHECKED BY _____

DETAILS OF MAILBOX TURNOUTS



PLAN - MAILBOX TURNOUTS

PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

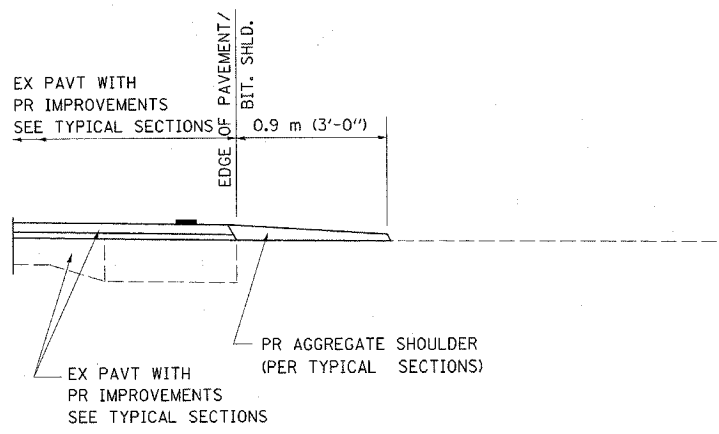
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES)
 UNLESS OTHERWISE SHOWN.

SHEET 2 OF 3

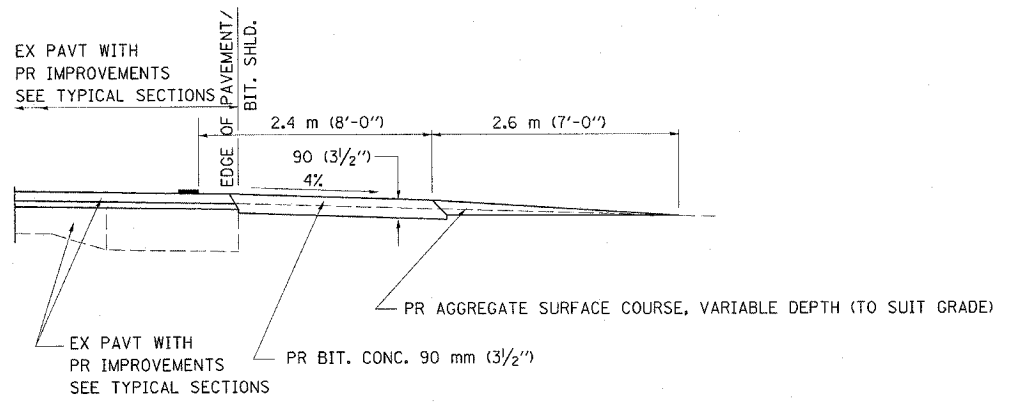
REVISIONS	
NAME	DATE
JCN	2/19/03
JCN	4/01/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT SIX
DETAILS FOR RURAL / URBAN
ENTRANCE, MAILBOX TURNOUT
& SIDEROADS
W / O CONCRETE GUTTER
(PPP - PROJECTS)

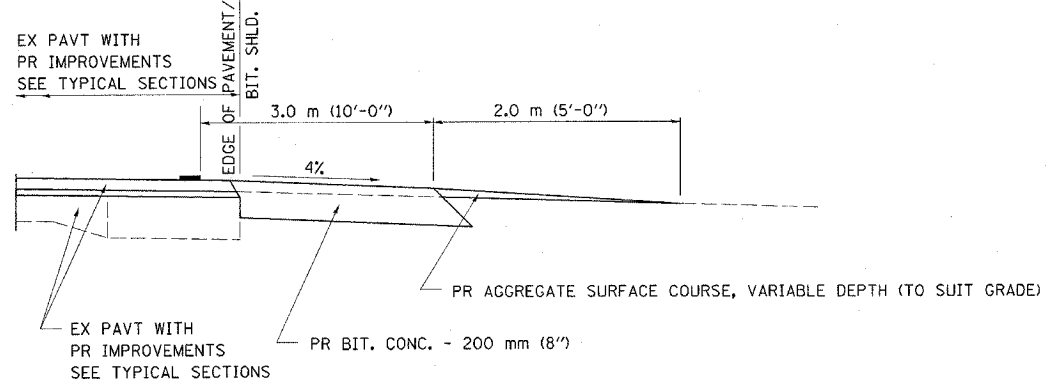
SCALE: VERT. DRAWN BY CADD
 HORIZ. CHECKED BY JCN
 DATE: FEBRUARY 23, 1999



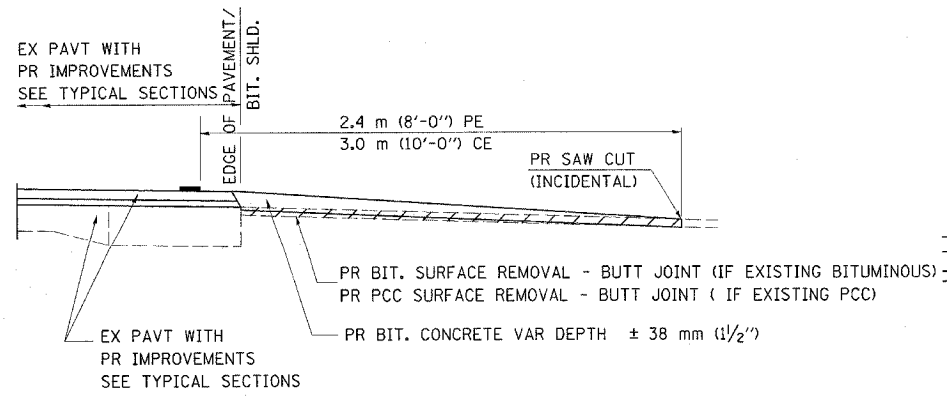
SECTION A-A FOR EX EARTH/AGGREGATE FE



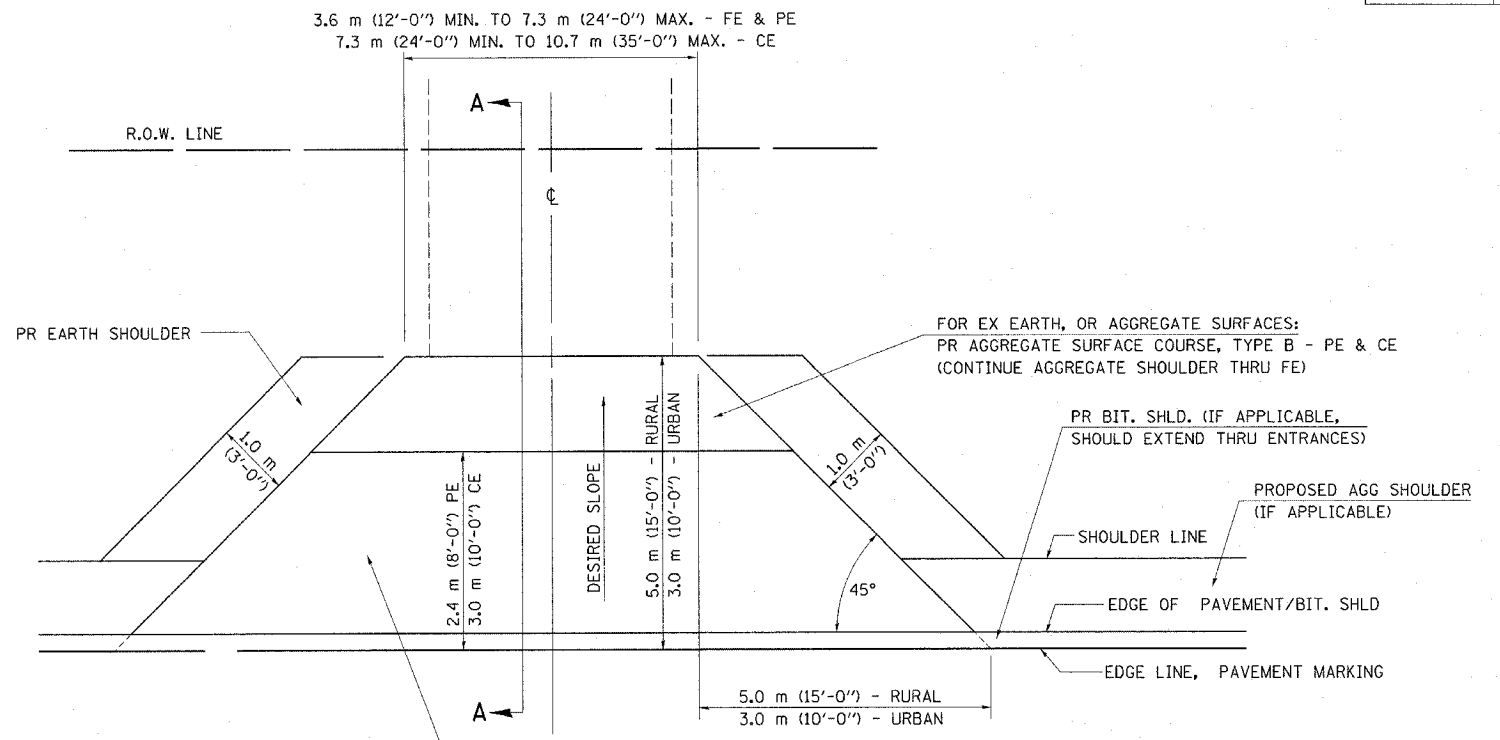
SECTION A-A FOR EX EARTH/AGGREGATE PE



SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD



SECTION A-A FOR EX BITUMINOUS/PC CONCRETE PE, CE & SIDE ROAD



FOR EX EARTH OR AGGREGATE SURFACES:
 PR BIT SURFACE REMOVAL (IF APPLICABLE)
 PR AGGREGATE SHOULDER THRU - FE
 PR BITUMINOUS CONCRETE 90 mm (3 1/2") - PE
 PR BITUMINOUS CONCRETE 200mm (8") - CE

FOR EX BITUMINOUS CONCRETE SURFACES:
 PR BITUMINOUS SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:
 PR PCC SURFACE REMOVAL-BUTT JOINT

GENERAL NOTES:
 THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

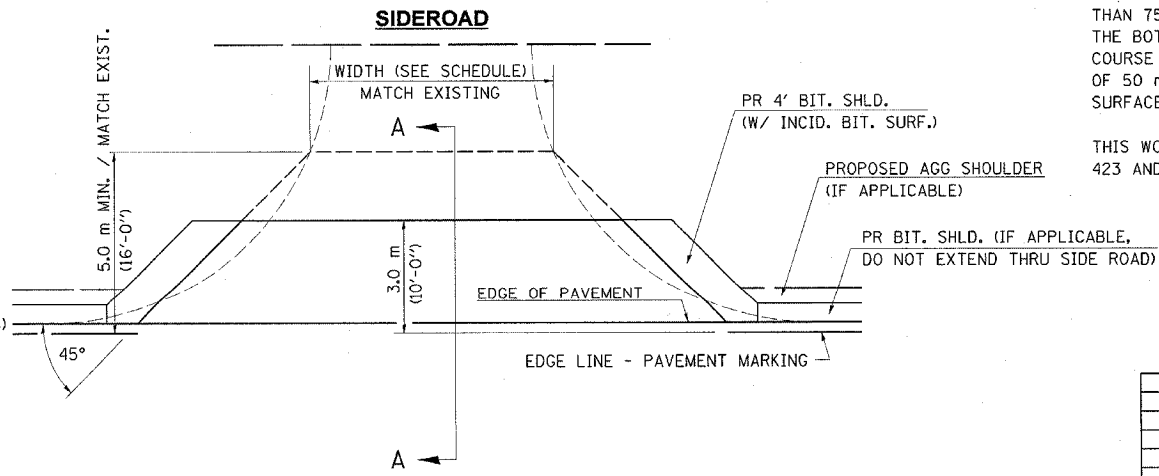
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

BITUMINOUS CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE BITUMINOUS CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 75 mm (3 INCHES) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF BITUMINOUS BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 50 mm (2 INCHES) SHALL MEET THE REQUIREMENTS OF BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.



NOTE : IF BIT. SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

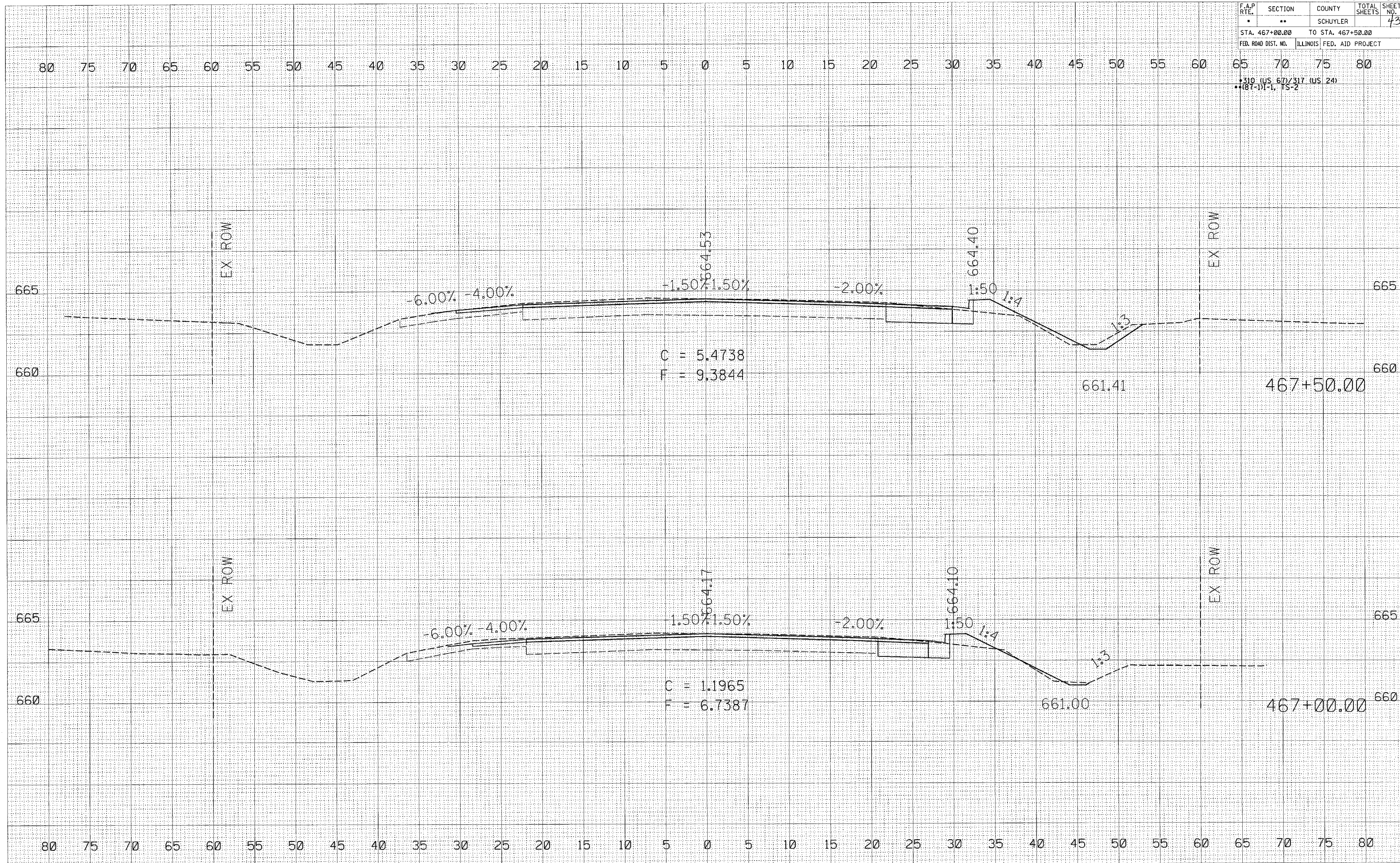
REVISIONS	
NAME	DATE
JCN	2/19/03
JCN	4/01/04

SHEET 1 OF 3
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT SIX
 DETAILS FOR RURAL / URBAN
 ENTRANCE, MAILBOX TURNOUT
 & SIDEROADS
 W / O CONCRETE GUTTER
 (PPP - PROJECTS)

SCALE: VERT. DRAWN BY CADD
 HORIZ. CHECKED BY JCN
 DATE: FEBRUARY 23, 1999

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	SCHUYLER		43
STA. 467+00.00		TO STA. 467+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

310 (US 67/317 (US 24))
 187-11-1, 15-2



C = 5.4738
 F = 9.3844

C = 1.1965
 F = 6.7387

DATE: _____ BY: _____
 SURVEYED: _____
 PLOTTED: _____
 TEMPLATE: _____
 AREAS CHECKED: _____
 NO. _____

DATE: _____ BY: _____
 SURVEYED: _____
 PLOTTED: _____
 TEMPLATE: _____
 AREAS CHECKED: _____
 NO. _____

PLOT DATE = 4/12/2005
 FILE NAME = c:\p\projects\65218\65218.dwg
 PLOT SCALE = 5.0000 / 1 IN.
 USER NAME = ba.j

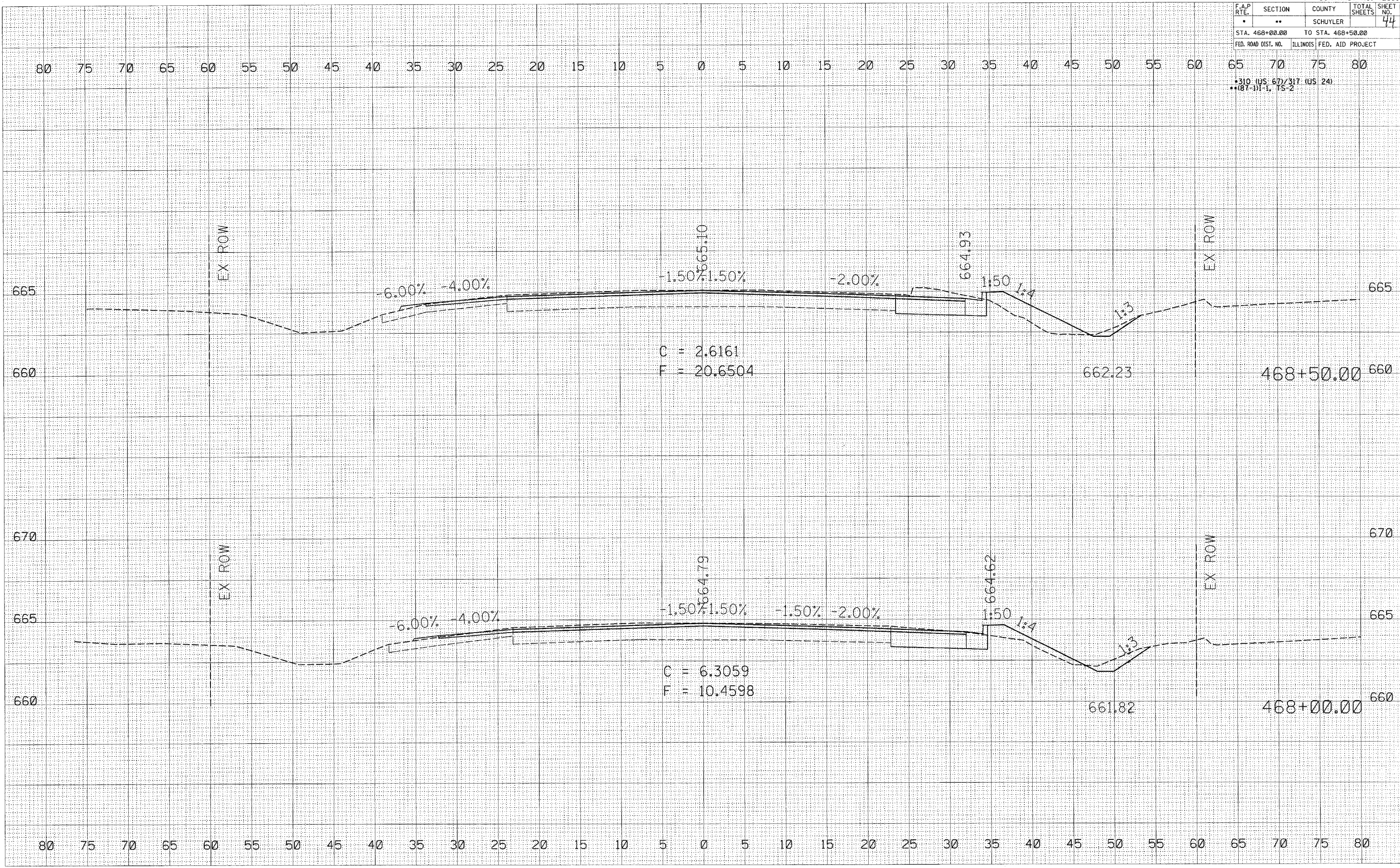
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	SCHUYLER		44
STA. 468+00.00		TO STA. 468+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

• 310 (US 67)/317 (US 24)
 • (07-1)-1, 1S-2

NO. _____
 AREAS CHECKED _____
 TEMPLATE _____
 NOTE BOOK _____
 SURVEYED _____
 PLOTTED _____
 SURVEY _____
 NO. _____

NO. _____
 AREAS CHECKED _____
 TEMPLATE _____
 NOTE BOOK _____
 SURVEYED _____
 PLOTTED _____
 SURVEY _____
 NO. _____



80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

NO. _____
 AREAS CHECKED _____
 TEMPLATE _____
 NOTE BOOK _____
 SURVEYED _____
 PLOTTED _____
 SURVEY _____
 NO. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	SCHUYLER		45
STA. 469+00.00		TO STA. 469+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

• 310 (US 67/317 (US 24))
 •• (87-1)1, 1S-2

ORIGINAL SURVEY PLOTTED TEMP. AREAS CHECKED
 SURVEY PLOTTED TEMP. AREAS CHECKED
 NOTE BOOK TEMPLATE AREAS CHECKED
 NO.

ORIGINAL SURVEY PLOTTED TEMP. AREAS CHECKED
 SURVEY PLOTTED TEMP. AREAS CHECKED
 NOTE BOOK TEMPLATE AREAS CHECKED
 NO.

PLOT DATE = 4/13/2005
 FILE NAME = c:\pcc\projects\469210\469210.dwg
 USER NAME = POU

