

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

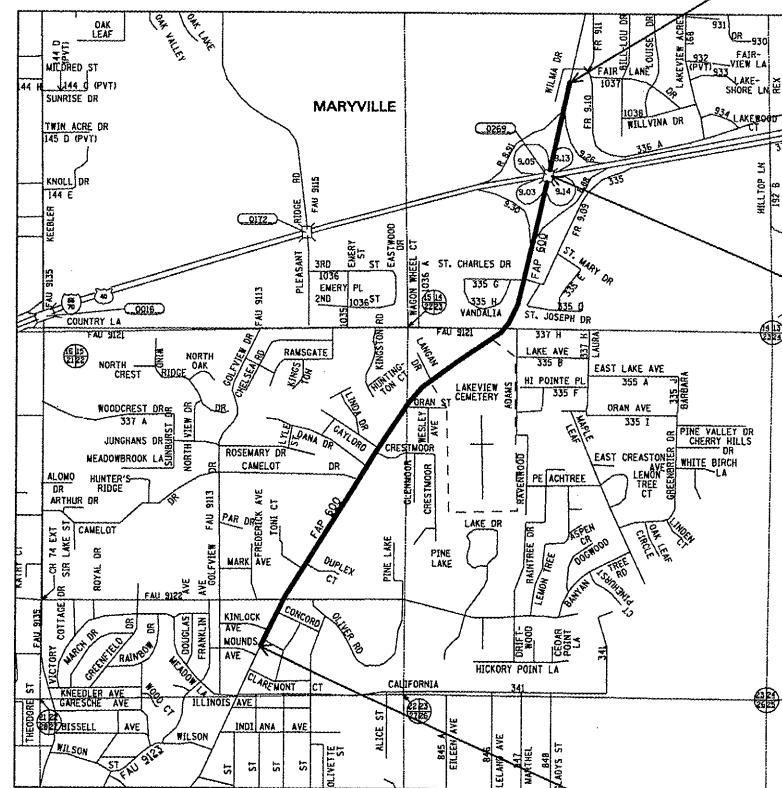
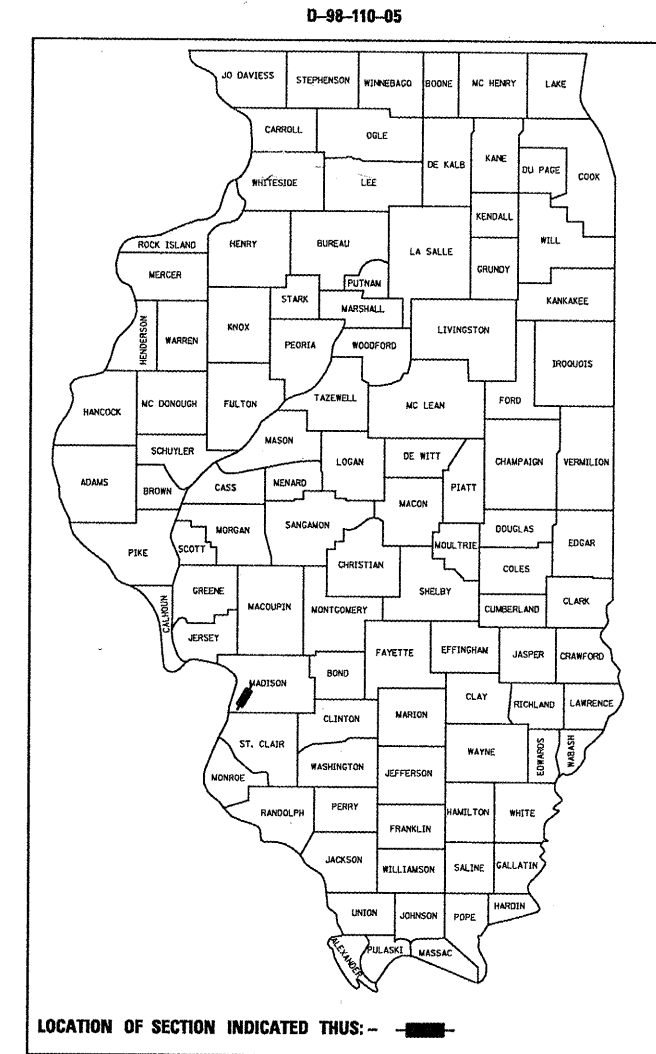
F.A.P. ROUTE 600 (IL 159)  
SECTION 60-(30,31,128)-2

RESURFACING  
MADISON COUNTY

C-98-057-09

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	1
		ILLINOIS	CONTRACT NO. 76B87	

FOR INDEX OF SHEETS, SEE SHEET NO. 2



PROJECT ENDS  
STA. 675+08.79  
LONGITUDE 89.9581  
LATITUDE 38.7109

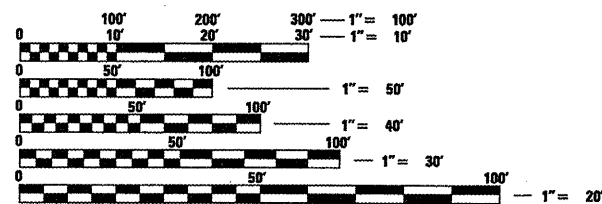
BRIDGE OMISSION  
STA 663+16.60 TO  
STA 666+08.27

PROJECT BEGINS  
STA. 583+46.35  
LONGITUDE 89.9735  
LATITUDE 38.6892

**LOCATION MAP**

NOT TO SCALE

GROSS LENGTH = 9162.44 FT. = 1.735 MILES  
NET LENGTH = 8870.77 FT. = 1.680 MILES

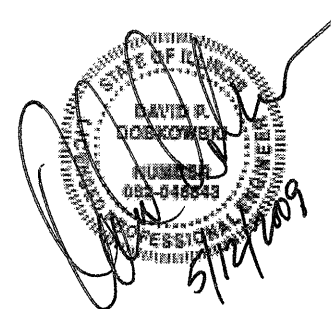


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER: PATTI LEBEAU 618/346-3179  
PROJECT MANAGER: CHERYL KEPLAR 618/346-3186

CONTRACT NO. 76B87



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED May 15, 2009  
9 May 2009  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

October 2, 2009  
Charles G. Ingersoll  
ENGINEER OF DESIGN AND ENVIRONMENT

October 2, 2009  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 INDEX OF SHEETS, ADT, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4 ROADWAY LAYOUT
- 5 SCHEDULES
- 6-7 TYPICAL SECTIONS
- 8-23 PLAN VIEW SHEETS
- 24-39 PAVEMENT MARKING SHEETS
- 40-42 DETAIL SHEETS

**ADT**

**KINLOCH RD. TO BELTLINE RD.**

20,500 (2009) SU 3.5%  
25,000 (2029) MU 1.7%

**BELTLINE RD. TO SOUTH I-55/70 INTERCHANGE**

23,900 (2009) SU 3.2%  
29,800 (2029) MU 1.8%

**IDOT HIGHWAY STANDARDS**

000001-05	701602-04
001006	701701-06
442201-03	701901-01
482006-03	780001-02
635011-02	781001-03
701456	886001-01
701601-06	886006-01

**COMMITMENTS**

NONE

**GENERAL NOTES**

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
  - \*AMERENIP
  - \*AT&T ILLINOIS
  - \*AT&T CORPORATION
  - \*CHARTER COMMUNICATIONS
  - \*CITY OF COLLINSVILLE
  - \*CITY OF TROY
- (MEMBERS OF J.U.L.I.E. (600) 892-0123 ARE INDICATED BY \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
4. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT LIMITED SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND PART OF THE TOPO SHOWN IN THE PLAN WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
5. THE CONTRACTOR SHALL BE AWARE THAT THERE MAY BE VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. THE THICKNESS OF THE HMA MIXTURE 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 MIXTURE IS PLACED.
7. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDEROADS AND APPLICABLE INTERCHANGE RAMP, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLOURESCENT ORANGE.
8. SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, LEVELING BINDER, AND FINAL HMA SURFACE. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN ADDED TO THE PLANS. ONLY REMOVAL OF SHORT-TERM PAVEMENT MARKINGS FROM FINAL SURFACE SHALL BE PAID AS "WORK ZONE PAVEMENT MARKING REMOVAL".
9. ALL TEMPORARY PAVEMENT MARKING WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
10. FINAL PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL MATCH EXISTING, UNLESS OTHERWISE SPECIFIED BY THE ENGINEER OR IN THE PLANS.
11. THE FOLLOWING REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	POLY SURFACE	LEVEL BINDER	BINDER / PATCHING
AC/PG	SBS 76-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	10%	10%
DESIGN AIR VOIDS	4%±ND±0.5	4%±ND±0.5	4%±ND±0.5
MIX COMPOSITION			
(GRADUATION MIXTURE)	IL 12.5/9.5	IL 9.5	IL 19.0
FRICITION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"

\*\*TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS)

12. STATION STAMPS SHALL BE REPLACED IN KIND AT EXISTING LOCATIONS.
13. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR ITS UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR ITS EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. IF LOCATING UNDERGROUND CABLE IS NOT INCLUDED AS PART OF THE PLANS, THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
14. ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
15. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
16. THE CONTRACTOR SHALL CHECK ALL DETECTOR LOOPS AFTER HMA SURFACE REMOVAL OPERATIONS ARE COMPLETE, AND REPLACE ALL INOPERABLE LOOPS.
17. THE CONTRACTOR SHALL REMOVE ALL ASPHALT FROM THE GUTTER AS SHOWN IN THE PROPOSED TYPICAL SECTION, COST INCLUDED IN HMA SURFACE REMOVAL.
18. ANY EARTHWORK ASSOCIATED WITH REMOVAL OR PLACEMENT OF THE GUTTER AND CURB & GUTTER SHALL BE INCLUDED IN THE COST FOR THE GUTTER AND COMBINATION CONCRETE CURB & GUTTER.
19. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
20. EXCAVATION ADJACENT TO EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH STEADY BURN LIGHTS.

Rev

FILE NAME =	USER NAME = #USER#	DESIGNED - AAB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, ADT, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - MNR	REVISED -			60D	60-(30,31,128)-2	MADISON	42	2	
	PLOT SCALE = #SCALE#	CHECKED - AAA	REVISED -			CONTRACT NO. 76887					
	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -			SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		
ILLINOIS FED. AID PROJECT											

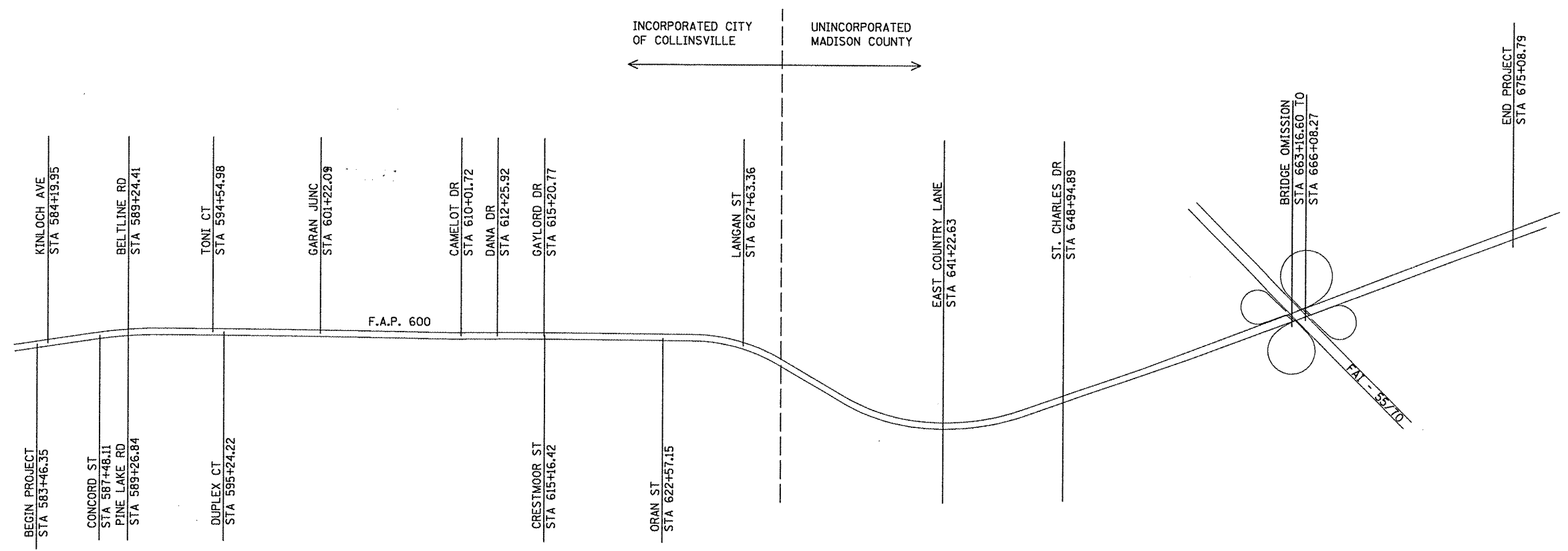
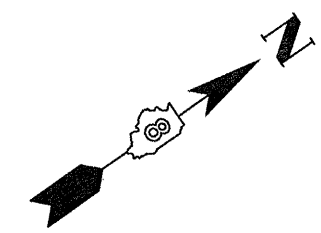
# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			<i>URBAN</i> 100% STATE CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES			<i>URBAN</i> 100% STATE CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	1000	-----	-----	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	1000	-----	-----
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	19	19									
40600300	AGGREGATE (PRIME COAT)	TON	97	97			*88600600	DETECTOR LOOP REPLACEMENT	FOOT	5483	5483		
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	2595	2595									
40600990	TEMPORARY RAMP	SO YD	3613	3613									
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	5190	5190									
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	68591	68591									
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	140	140									
44200184	PAVEMENT PATCHING, TYPE III, 15 INCH	SO YD	70	70									
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	2000	2000									
48203100	HOT-MIX ASPHALT SHOULDERS	TON	871	871									
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	140	140									
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5									
67100100	MOBILIZATION	L SUM	1	1									
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1									
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1									
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	31920	31920									
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	419	419									
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	45600	45600									
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	2241	2241									
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	641	641									
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	289	289									
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	11379	11379									
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	419	419									
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	45600	45600									
*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	2241	2241									
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	641	641									
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	289	289									
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	529	529									
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	529	529									

\*Specialty Items

*Rev.*

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN -	REVISED -			600	60-(30,31,128)-2	MADISON	42	3
		CHECKED -	REVISED -			SCALE: _____ SHEET NO. 1 OF 1 SHEETS		STA. _____ TO STA. _____		CONTRACT NO. 76B87
		DATE -	REVISED -	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY LAYOUT</b>			F.A.P. RTE. 600	SECTION 60-(30,31,128)-2	COUNTY MADISON	TOTAL SHEETS 42	SHEET NO. 4
	PLOT SCALE = *SCALE*	CHECKED - AAA	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 76B87			
PLOT DATE = *DATE*	DATE - MAY 12, 2009	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

RESURFACING SCHEDULE						
STATION TO STATION	HMA SURF. CSE. MIX D POLY N90 TONS	LEVEL BIND. MACH METH. N90 TONS	BIT. MATL. PRIME COAT TONS	AGGREGATE PRIME COAT TONS	HMA SURF. REMOVAL 2 1/4" SQ YD	
583+46.35	590+77.58	422.8	211.4	1.51	7.87	5033.0
590+77.58	624+40.74	1917.8	958.9	6.85	35.72	22831.5
624+40.74	630+18.32	316.1	158.0	1.13	5.89	3762.6
630+18.32	634+56.38	218.4	109.2	0.78	4.07	2599.6
634+56.38	640+16.08	313.3	156.7	1.12	5.84	3730.0
640+16.08	641+95.50	117.6	58.8	0.42	2.19	1399.5
641+95.50	646+45.80	252.7	126.3	0.90	4.71	3008.2
646+45.80	654+99.12	552.3	276.1	1.97	10.29	6574.7
654+99.12	663+16.60	509.4	254.7	1.82	9.49	6064.3
663+16.60	675+08.79	569.2	284.6	2.03	10.60	6775.8
SUBTOTALS						
HMA SHOULDER SUBTOTALS						
TOTALS						

DETECTOR LOOP REPLACEMENT					
STATION TO STATION	SHEET NO.	INTERSECTION	LOCATION	LENGTH FEET	
589+78	590+30	9	BELTLINE RD	INTERSECTION, NB	533
588+15	588+65	9	BELTLINE RD	INTERSECTION, SB	538
586+06	586+16	8	BELTLINE RD	ADVANCE LOOPS, NB	72
591+94	592+68	9	BELTLINE RD	ADVANCE LOOPS, SB	214
609+12	609+81	12	CAMELOT DR	INTERSECTION, NB	551
610+27	610+83	12	CAMELOT DR	INTERSECTION, SB	539
607+10	607+23	12	CAMELOT DR	ADVANCE LOOPS, NB	78
612+95	613+07	13	CAMELOT DR	ADVANCE LOOPS, SB	74
639+87	640+37	17	E-W COUNTRY LN	INTERSECTION, NB	198
642+04	642+55	18	E-W COUNTRY LN	INTERSECTION, SB	199
637+51	637+61	17	E-W COUNTRY LN	ADVANCE LOOPS, NB	91
645+07	645+23	18	E-W COUNTRY LN	ADVANCE LOOPS, SB	91
647+93	648+46	18 & 19	ST. CHARLES RD	INTERSECTION, NB	568
649+35	649+94	19	ST. CHARLES RD	INTERSECTION, SB	564
645+01	645+12	18	ST. CHARLES RD	ADVANCE LOOPS, NB	96
652+78	654+89	19	ST. CHARLES RD	ADVANCE LOOPS, SB	145
648+98	649+36	19	ST. CHARLES RD	INTERSECTION, WB	194
649+07	649+35	19	ST. CHARLES RD	INTERSECTION, WB-NB	96
669+88	670+40	22	WB EXIT RAMP	INTERSECTION, NB	349
670+34	670+62	22	WB EXIT RAMP	RAMP WB-NB	171
667+08	667+08	22	WB EXIT RAMP	ADVANCE LOOPS, NB	122
TOTALS					

HOT MIX ASPHALT SHOULDER SCHEDULE							HMA SURF. REMOVAL 2 1/4" SQ YD
STATION TO STATION	SIDE	LENGTH FEET	WIDTH FEET	THICKNESS INCHES	TOTAL TONS		
634+04.39	NB	99	0-10	2.25	9	71.1	
635+03.25	NB	580	10	2.25	81	642.4	
640+83.55	NB	144	10-12	2.25	25	195.0	
642+27.45	NB	812	10	2.25	117	927.0	
650+39.52	NB	108	10-6	2.25	11	90.5	
651+46.61	NB	353	6	2.25	29	228.7	
654+99.12	NB	818	4-10	2.25	157	1244.3	
666+08.27	NB	901	4-10	2.25	70	551.9	
SUBTOTALS							498
HMA SHOULDER SUBTOTALS							3851
641+55.63	SB	779	10	2.25	105	830.4	
649+34.42	SB	156	10-6	2.25	17	131.7	
650+90.29	SB	409	6	2.25	31	247.8	
654+99.12	SB	818	4-10	2.25	106	860.1	
666+08.27	SB	901	4-10	2.25	112	899.6	
SUBTOTALS							373
TOTALS							871

TEMPORARY RAMPS					
STATION TO STATION	APPROACH	LENGTH FEET	WIDTH FEET	SQ YD	
583+46.35	PROJECT START	60	45	300.0	
663+16.60	BRIDGE START	73	45	365.0	
666+08.27	BRIDGE END	73	45	365.0	
675+08.79	PROJECT END	48	45	240.0	
588+10.64	BELTLINE RD	137	10	152.1	
589+04.74	BELTLINE RD	124	10	138.0	
594+15.81	TONI CT	114	10	126.3	
594+95.28	DUPLEX CT	121	10	135.0	
609+62.96	CAMELOT DR	158	10	175.8	
614+84.90	GAYLORD RD	73	10	80.6	
614+85.67	GAYLORD RD	61	10	67.7	
640+22.63	E-W COUNTRY LN	110	10	122.2	
641+23.69	E-W COUNTRY LN	67	10	74.6	
648+60.36	ST. CHARLES RD	66	10	73.9	
648+07.91	ST. CHARLES RD	140	10	155.4	
VARIOUS	HIGHWAY RAMPS	208	45	1040.0	
TOTALS					

PAVEMENT PATCHING			
LOCATION	LENGTH FEET	WIDTH FEET	SQ YD
NB STA 640+13±	35.5	10	40
SB STA 640+13±	25	11	30
TOTALS			

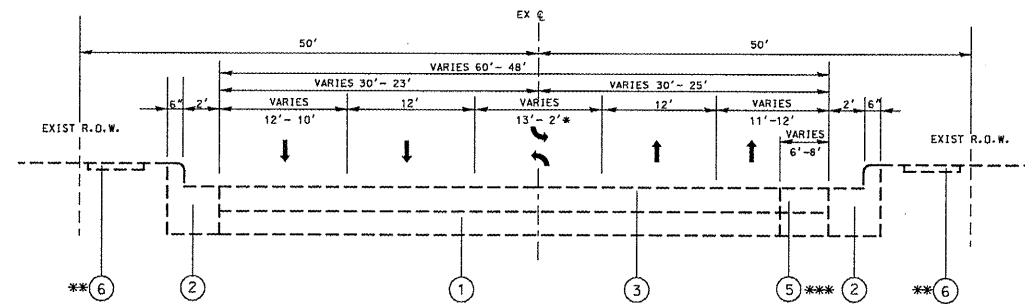
COMB C&G REMOVAL		
STATION TO STATION	LENGTH FEET	
590+33.81	591+69.18	135.37
TOTALS		

PAVEMENT MARKING SCHEDULE																	
STATION TO STATION	SHEET NO.	TEMP PM LINE 4"		TEMP PM LINE 8"	TEMP PM LINE 12"	TEMP PM LINE 24"	WORK ZONE PM REM SQ FT	TEMP/THERMOPLASTIC PM LETTERS AND SYMBOLS		THERMOPLASTIC PM LINE 4"		THERMO-PLASTIC PM LINE 8"	THERMO-PLASTIC PM LINE 12"	THERMO-PLASTIC PM LINE 24"	RAISED REF PYMT MARKER		RAISED REF PM REM
		LANE LINES	EDGE LINES					LEFT/RIGHT	AREA SQ FT	LANE LINES	EDGE LINES				ONE-WAY	TWO-WAY	
583+46.35	24	440	1760				730	5	36.2	440	1760				14	19	33
588+00.00	25	350	1817	290	140	72	890	7	50.6	350	1817	290	140	72	24	8	32
594+00.00	26	720	2312				1011	6	43.4	720	2312				15	30	45
600+00.00	27	720	2400				1040	6	43.4	720	2400				15	30	45
606+00.00	28	449	1573		120	36	126	4	28.9	449	1573		120	36	14	15	29
610+33.81	28	200	758				331	2	14.5	200	758			36	9	3	12
612+00.00	29	720	2222				981	6	43.4	720	2222				16	30	46
618+00.00	30	720	2350				1027	6	43.4	720	2350				14	30	44
624+00.00	31	720	2772			90	1194	4	28.9	720	2772			90	26	20	46
630+00.00	32	370	3600			40	1337			370	3600			40	44		44
636+00.00	33	360	3644			250	1430	2	14.5	360	3644			250	36		38
642+00.00	34	360	2780				1059	5	36.2	360	2780				36	34	34
648+00.00	35	33	215				95			33	215				4		4
649+24.00	35	407	2259				901	36		407	2259			36	24		24
654+00.00	36	400	2375	800			1192	5	36.2	400	2375	800			17		17
660+00.00	37	360	1100	400			620			360	1100	400			11		11
666+00.00	38	410	2500	500			1137			410	2500	500			17		17
672+00.00	39	185	1235	250			557			185	1235	250			8		8
SUBTOTALS														344	185	529	
TOTALS														529	185	529	

COMB CONCRETE C&G TYPE B-6.24		
STATION TO STATION	LENGTH FEET	
590+33.81	591+69.18	135.37
TOTALS		

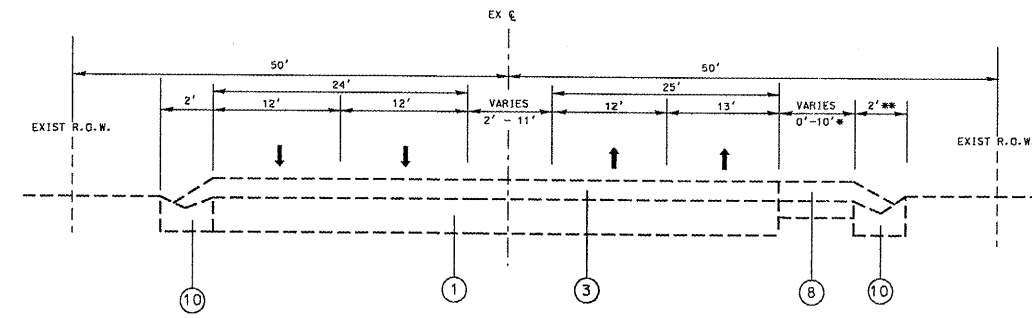
STRIP REF CRACK CONTROL TREATMENT		
STATION TO STATION	LENGTH FEET	
590+00±	610+00±	2000
TOTALS		

FILE NAME :	USER NAME : #USER#	DESIGNED - AAG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES		F.A.P. RTE. 600	SECTION 60-(30,31,12B)-2	COUNTY MADISON	TOTAL SHEETS 42	SHEET NO. 5	
#FILE# :	PLOT SCALE : #SCALE#	DRAWN - MNR	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO. 76887				
	PLOT DATE : #DATE#	CHECKED - AAA	REVISED -					ILLINOIS FED. AID PROJECT				
		DATE - MAY 12, 2009	REVISED -									



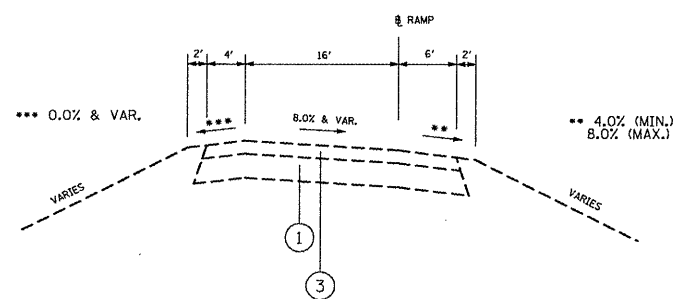
EXISTING IL ROUTE 159  
STA. 583+46.35 TO STA. 629+85±  
(LOOKING NORTH)

\* BI-DIRECTIONAL TURN LANE BECOMES FLAT MEDIAN WHEN LESS THAN 12'  
 \*\* EXISTING EAST SIDEWALK ENDS @ STA. 609±50  
 \*\* EXISTING WEST SIDEWALK ENDS @ STA. 590±50  
 AND IS PRESENT FROM STA 608+10 TO STA 609+68.59  
 \*\*\* STA 590+00± TO STA 610+00±

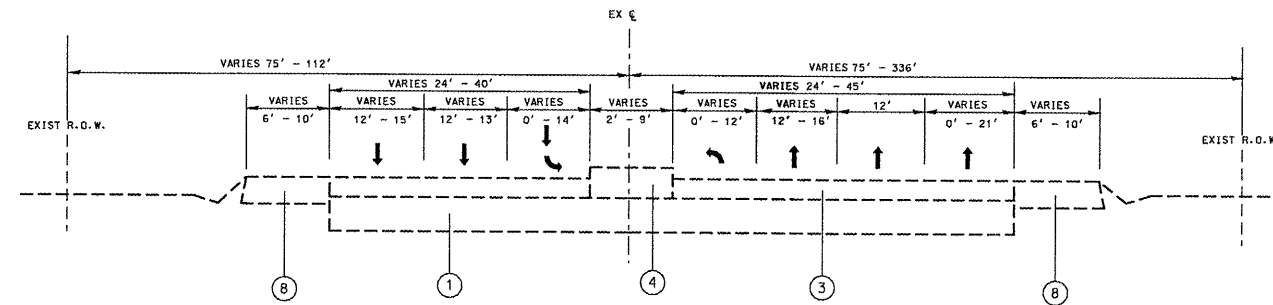


EXISTING IL ROUTE 159  
STA. 629+85± TO STA. 641+95.50  
(LOOKING NORTH)

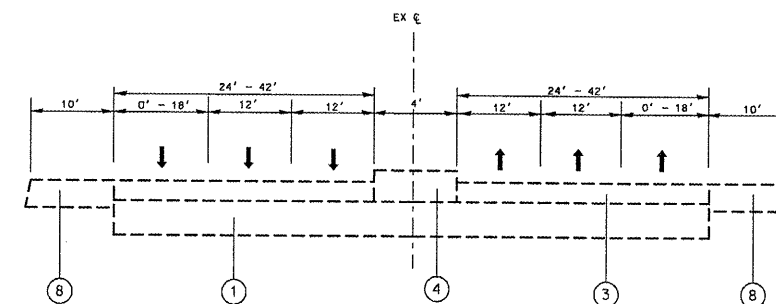
\* NOT PRESENT FROM STA 629+85± TO STA 634+04.39  
 \*\* NOT PRESENT FROM STA 634+04.39 TO STA 639+37.78



TYPICAL RAMP SECTION @ FAI-55/70  
APPLIES ONLY TO RAMP FROM  
STA. 654+00± TO STA. 675+00±



EXISTING IL ROUTE 159  
STA. 641+95.50 TO STA. 654+99.12  
(LOOKING NORTH)

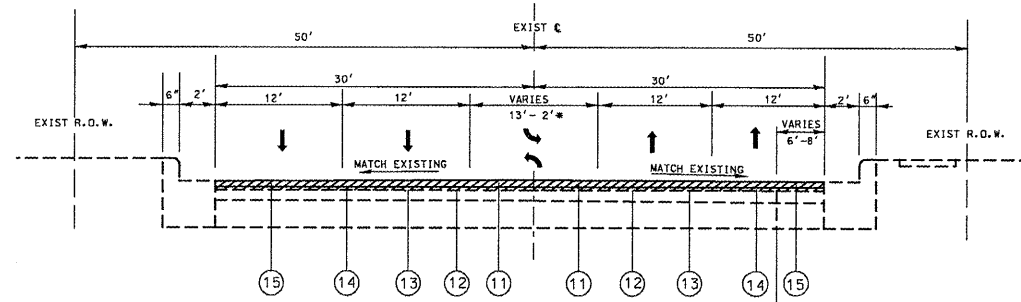


EXISTING IL ROUTE 159  
STA. 654+99.12 TO STA. 663+16.60  
STA. 666+08.27 TO STA. 675+08.79  
(LOOKING NORTH)

LEGEND

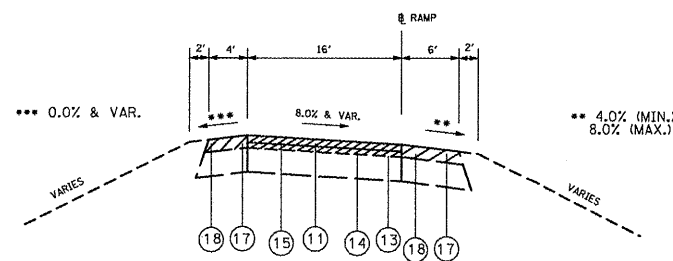
- ① EXISTING CONCRETE PAVEMENT, 10"
- ② EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B6-24
- ③ EXISTING BITUMINOUS RESURFACING, 5"±
- ④ EXISTING CONCRETE MEDIAN
- ⑤ EXISTING WIDENING MATERIAL
- ⑥ EXISTING SIDEWALK
- ⑦ EXISTING ISLAND
- ⑧ EXISTING HMA SHOULDER
- ⑨ EXISTING AGGREGATE SHOULDER
- ⑩ EXISTING GUTTER, TYPE B

FILE NAME =	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.P. RTE. 600	SECTION 60-(30,31,128)-2	COUNTY MADISON	TOTAL SHEETS 42	SHEET NO. 6
#FILEL#		DRAWN - MNR	REVISED -		SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 76887			
		CHECKED - AAA	REVISED -						ILLINOIS FED. AID PROJECT			
		DATE - MAY 12, 2009	REVISED -									



PROPOSED IL ROUTE 159  
STA. 583+64.35 TO STA. 629+85±  
(LOOKING NORTH)

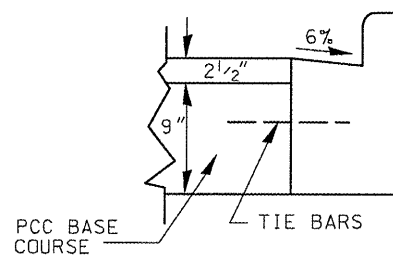
\* BI-DIRECTIONAL TURN LANE BECOMES FLAT MEDIAN WHEN LESS THAN 12'  
\*\* STA 590+00± TO STA 610+00±



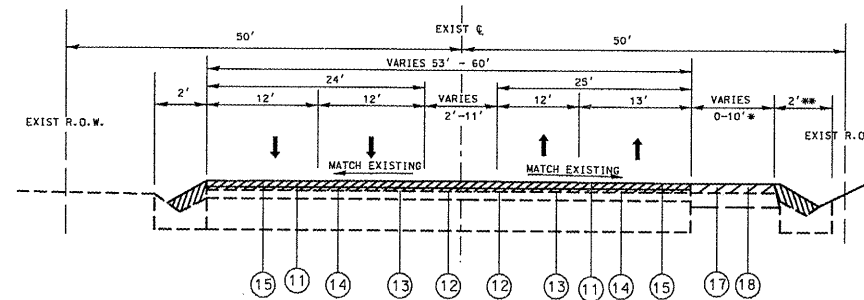
TYPICAL RAMP SECTION @ FAI 55/70  
APPLIES ONLY TO RAMP FROM  
STA. 654+00± TO STA. 675+00±

LEGEND

- ① PROPOSED HMA SURFACE REMOVAL, 2 1/4" -
- ② PROPOSED BITUMINOUS PRIME COAT
- ③ PROPOSED AGGREGATE PRIME COAT
- ④ PROPOSED HMA LEVELING BINDER, 3/4"
- ⑤ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑥ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑦ PROPOSED HMA SHOULDER REMOVAL, 2 1/4" -
- ⑧ PROPOSED HMA SHOULDER, 2 1/4"

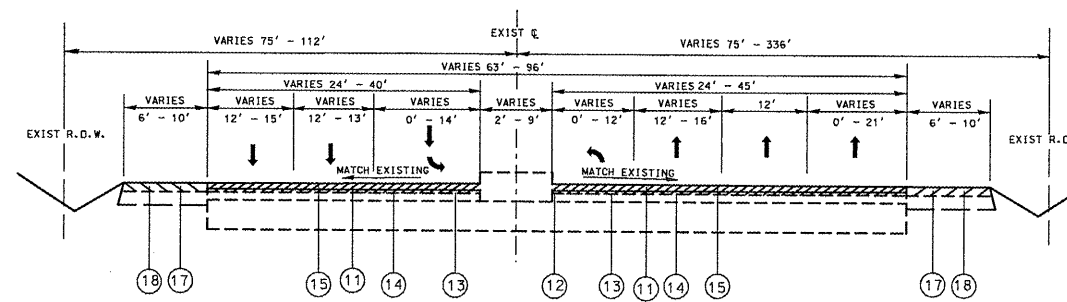


DETAIL A  
STA. 690+36.00 TO STA. 691+68.00

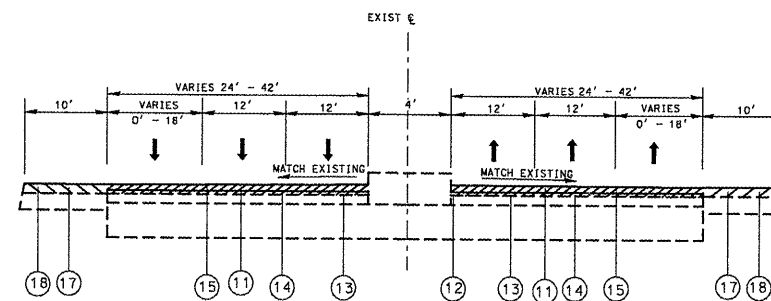


PROPOSED IL ROUTE 159  
STA. 629+85± TO STA. 641+95.50  
(LOOKING NORTH)

\* NOT PRESENT FROM STA 629+85± TO STA 634+04.39  
\*\* NOT PRESENT FROM STA 634+04.39 TO STA 639+37.78

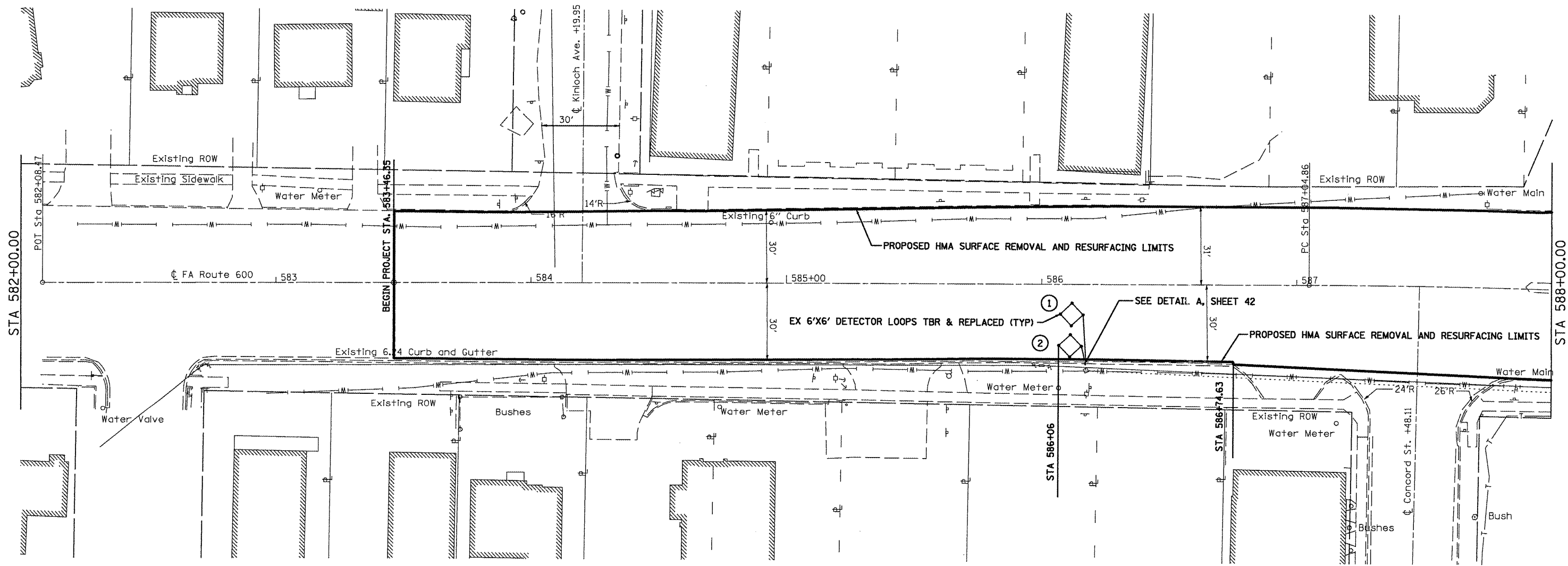
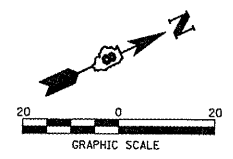


PROPOSED IL ROUTE 159  
STA. 641+95.50 TO STA. 654+99.12  
(LOOKING NORTH)



PROPOSED IL ROUTE 159  
STA. 654+99.12 TO STA. 663+16.60  
STA. 666+08.27 TO STA. 675+08.79  
(LOOKING NORTH)

FILE NAME =	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.P. RTE. 600	SECTION 60-(30,31,128)-2	COUNTY MADISON	TOTAL SHEETS 42	SHEET NO. 7
#FILE#		DRAWN - MNR	REVISED -		SCALE:	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 76B87			
		CHECKED - AAA	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - MAY 12, 2009	REVISED -									



CURVE 1  
 P.I. STA= 589+39.14  
 $\Delta = 8^{\circ} 56' 20''$   
 $D = 1^{\circ} 54' 42''$   
 $R = 2997.21$   
 $T = 234.28$   
 $L = 467.60$   
 $E = 9.14$   
 P.C. STA= 587+04.86  
 P.T. STA= 591+72.47

FILE NAME =	USER NAME = #USER#	DESIGNED - AAB	REVISED -
#FILE#		DRAWN - MNR	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - AAA	REVISED -
	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -

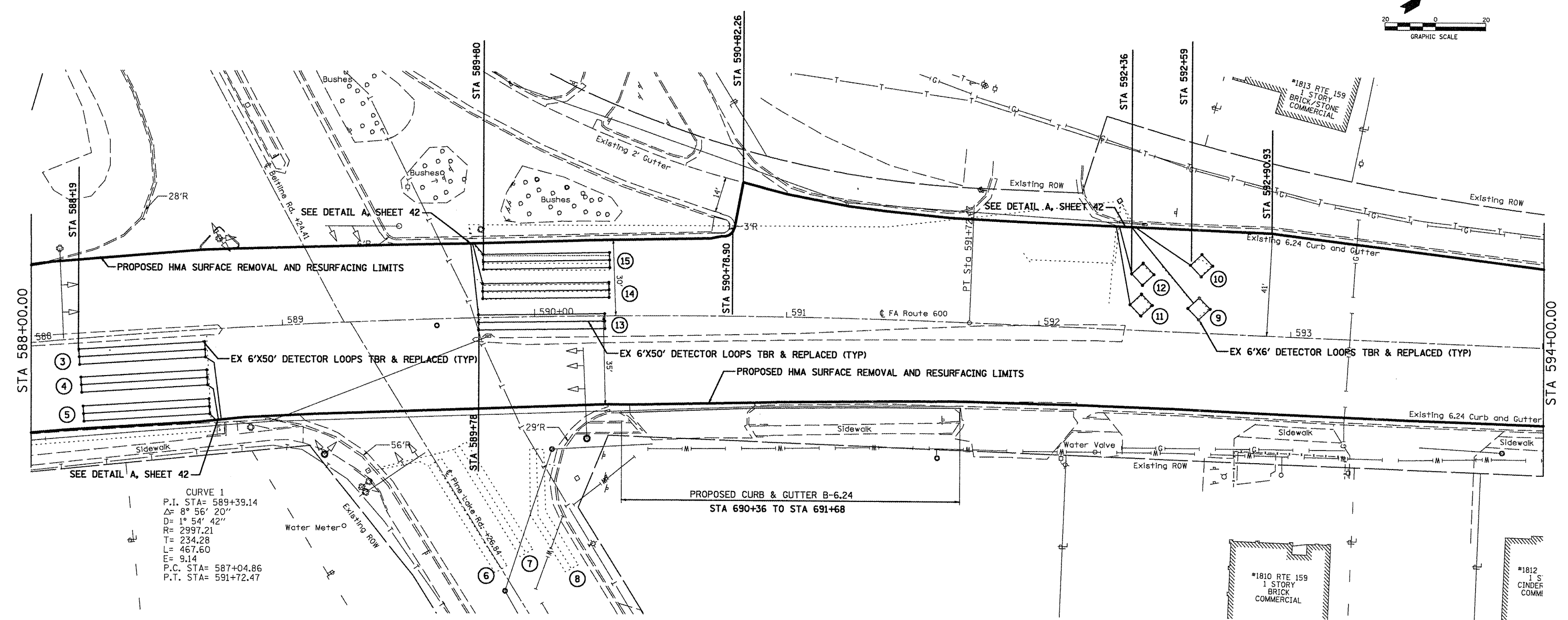
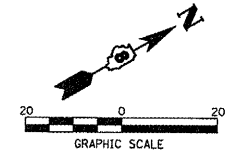
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW SHEETS**

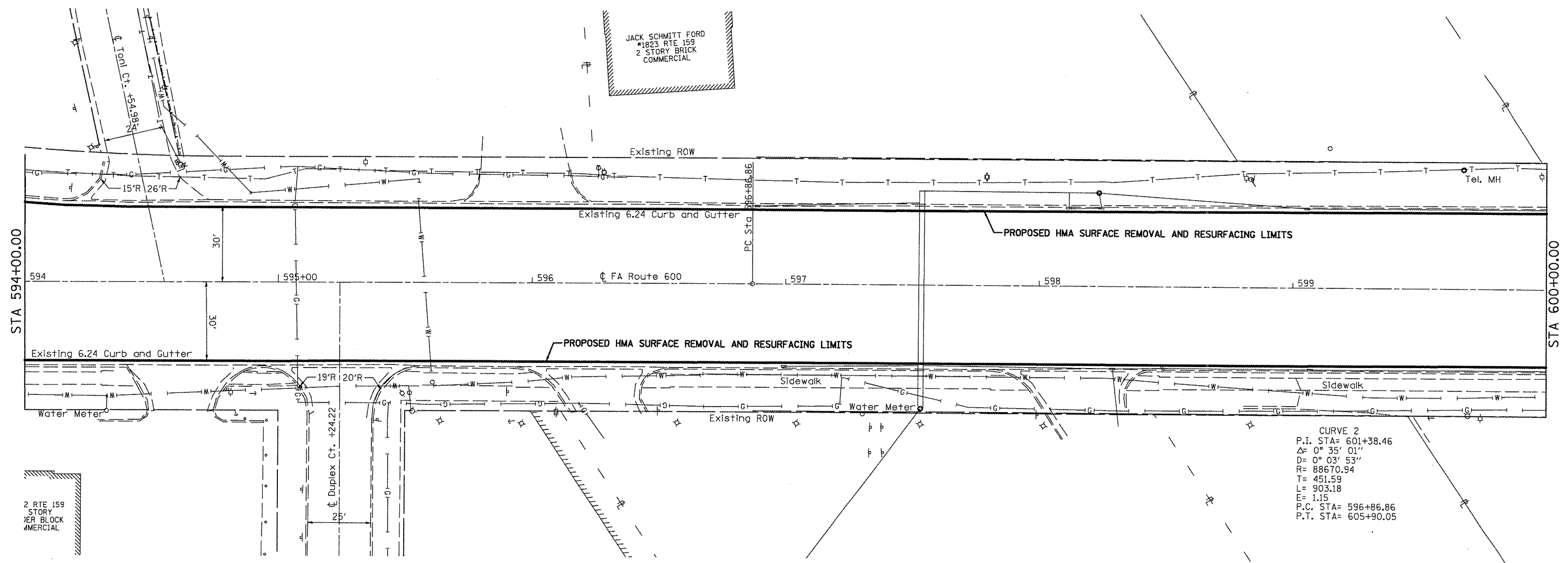
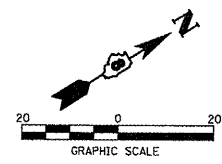
SCALE: 1" = 20'    SHEET NO. 1 OF 16 SHEETS    STA. 582+00.00 TO STA. 588+00.00

F.A. RTE. = 600	SECTION = 60-(30,31,128)-2	COUNTY = MADISON	TOTAL SHEETS = 42	SHEET NO. = 8
CONTRACT NO. 76B87				
ILLINOIS FED. AID PROJECT				



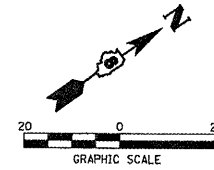


FILE NAME =	USER NAME = #USER*	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN VIEW SHEETS</b>		F.A. RTE. 600	SECTION 60-(30,31,128)-2	COUNTY MADISON	TOTAL SHEETS 42	SHEET NO. 9	
#FILE#	PLOT SCALE = #SCALE*	DRAWN - MNR	REVISED -		SCALE: 1" = 20'	SHEET NO. 2 OF 16 SHEETS	STA. 588+00.00 TO STA. 594+00.00	CONTRACT NO. 76B87				
	PLOT DATE = #DATE*	CHECKED - AAA	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - MAY 12, 2009	REVISED -									

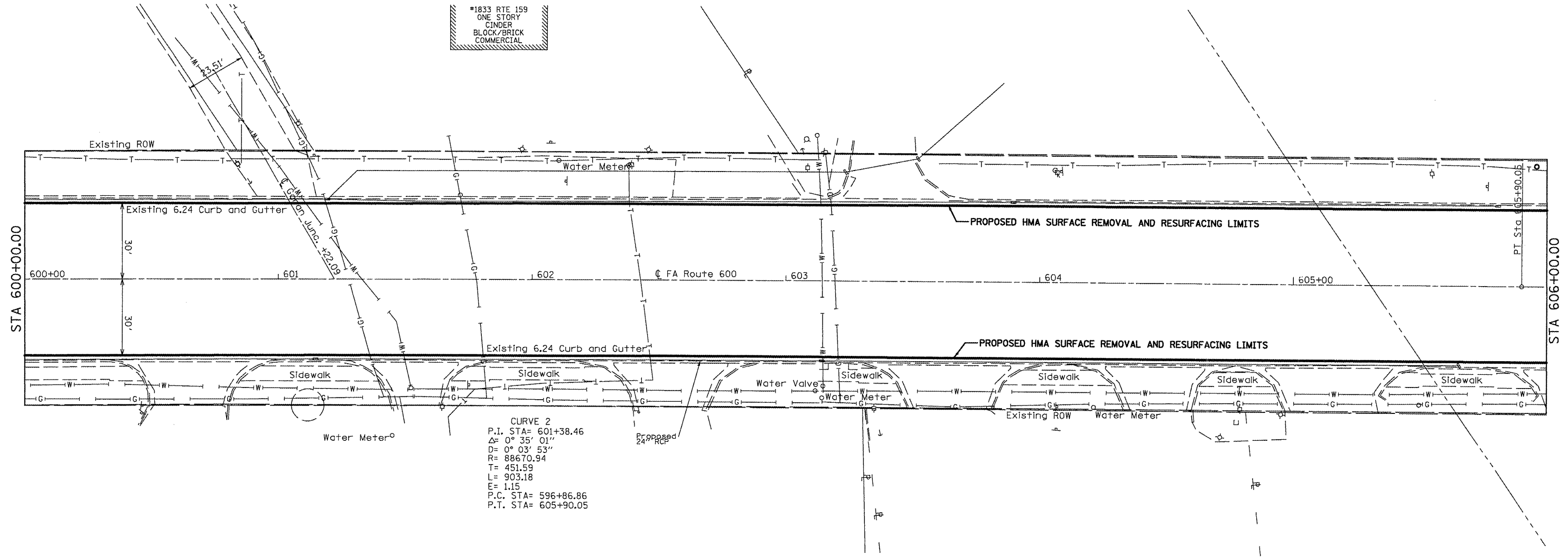


CURVE 2  
 P.I. STA= 601+38.46  
 $\Delta = 0^\circ 35' 01''$   
 $D = 0^\circ 03' 53''$   
 $R = 88670.94$   
 $T = 451.59$   
 $L = 903.18$   
 $E = 1.15$   
 P.C. STA= 596+86.86  
 P.T. STA= 605+90.05

FILE NAME =	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN VIEW SHEETS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - MNR	REVISED -		SCALE: 1" = 20'	SHEET NO. 3 OF 16 SHEETS	STA. 594+00.00 TO STA. 600+00.00	600	60-(30,31,128)-2	MADISON	42	10
		CHECKED - AAA	REVISED -		CONTRACT NO. 76B87							
		DATE - MAY 12, 2009	REVISED -		ILLINOIS FED. AID PROJECT							



#1833 RTE 159  
ONE STORY  
CINDER  
BLOCK/BRICK  
COMMERCIAL



CURVE 2  
P.I. STA= 601+38.46  
Δ= 0° 35' 01"  
D= 0° 03' 53"  
R= 88670.94  
T= 451.59  
L= 903.18  
E= 1.15  
P.C. STA= 596+86.86  
P.T. STA= 605+90.05

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - AAB	REVISED -
		DRAWN - MNR	REVISED -
		CHECKED - AAA	REVISED -
		DATE - MAY 12, 2009	REVISED -

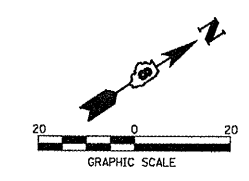
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW SHEETS**

SCALE: 1" = 20' SHEET NO. 4 OF 16 SHEETS STA. 600+00.00 TO STA. 606+00.00

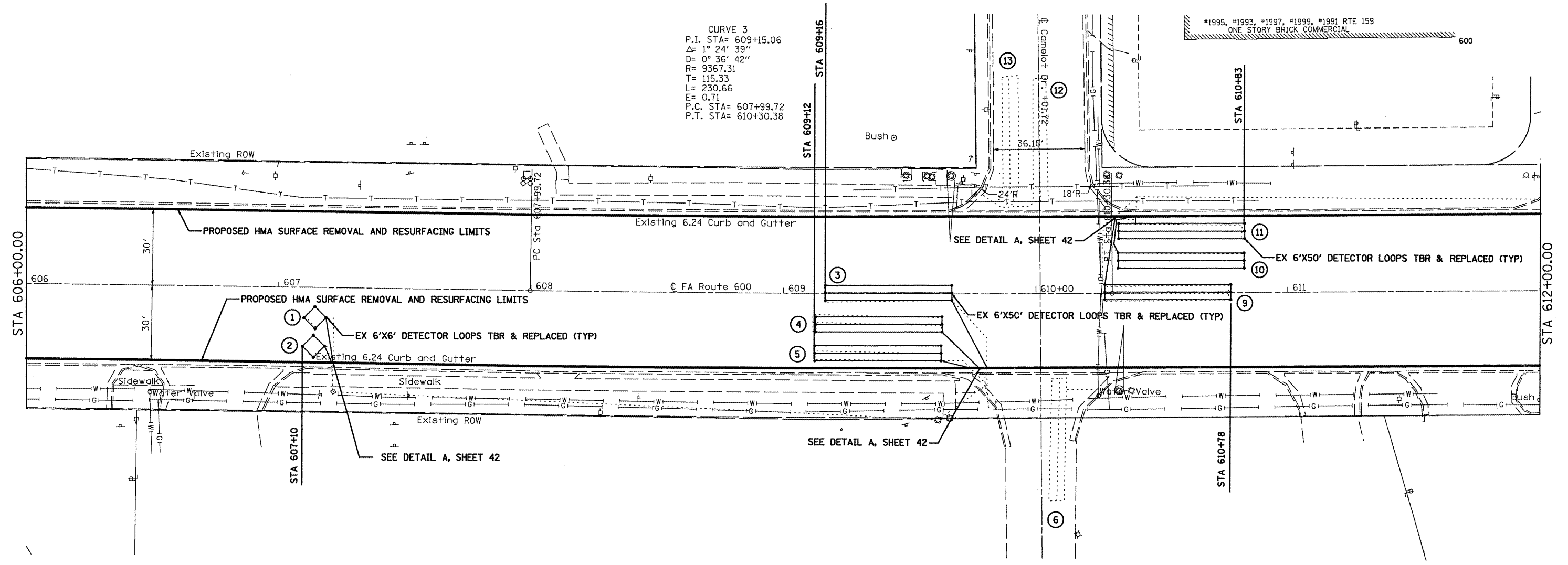
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	11
CONTRACT NO. 76B87				

ILLINOIS FED. AID PROJECT

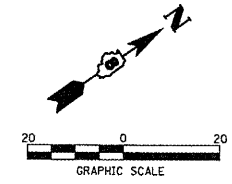
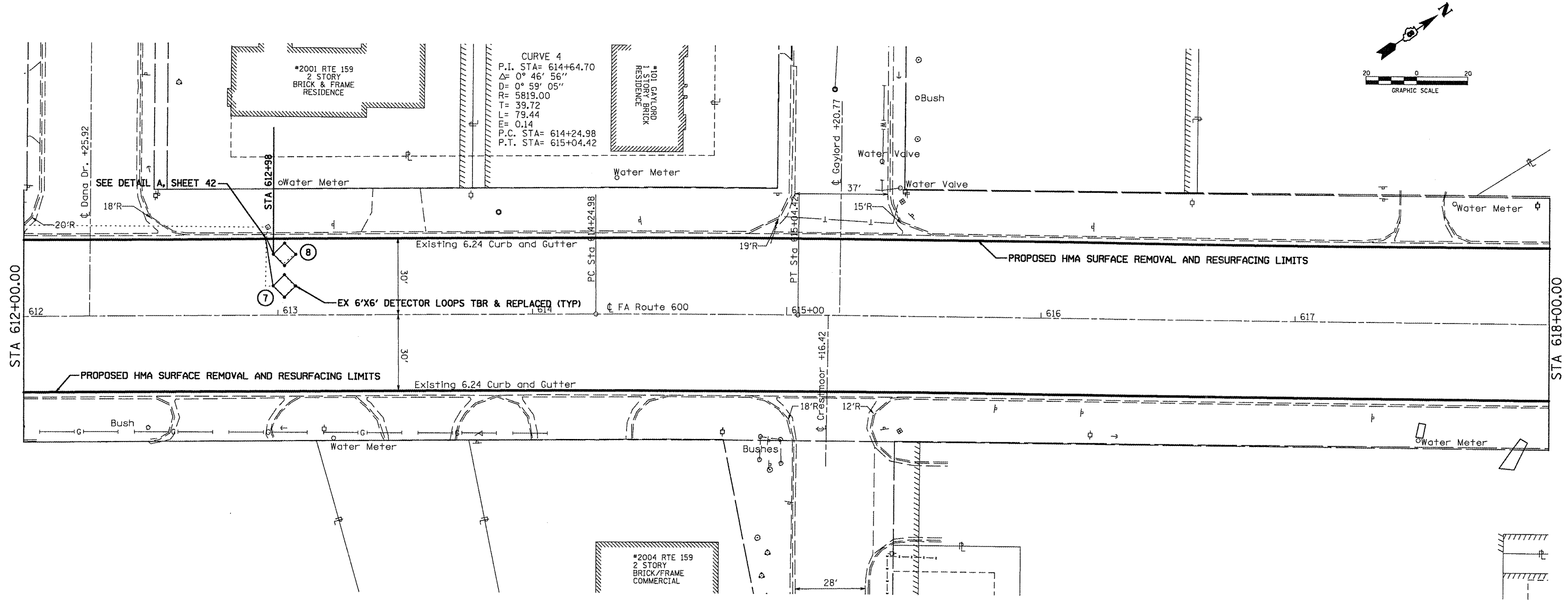


CURVE 3  
 P.I. STA= 609+15.06  
 $\Delta = 1^{\circ} 24' 39''$   
 $D = 0^{\circ} 36' 42''$   
 $R = 9367.31$   
 $T = 115.33$   
 $L = 230.66$   
 $E = 0.71$   
 P.C. STA= 607+99.72  
 P.T. STA= 610+30.38

#1995, #1993, #1997, #1999, #1991 RTE 159  
 ONE STORY BRICK COMMERCIAL  
 600



FILE NAME =	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN VIEW SHEETS</b>			F.A. RTE. 600	SECTION 60-(30,31,128)-2	COUNTY MADISON	TOTAL SHEETS 42	SHEET NO. 12
#FILE#		DRAWN - MNR	REVISED -		SCALE: 1" = 20'	SHEET NO. 5 OF 16 SHEETS	STA. 606+00.00 TO STA. 612+00.00	CONTRACT NO. T6B87				
		CHECKED - AAA	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - MAY 12, 2009	REVISED -									



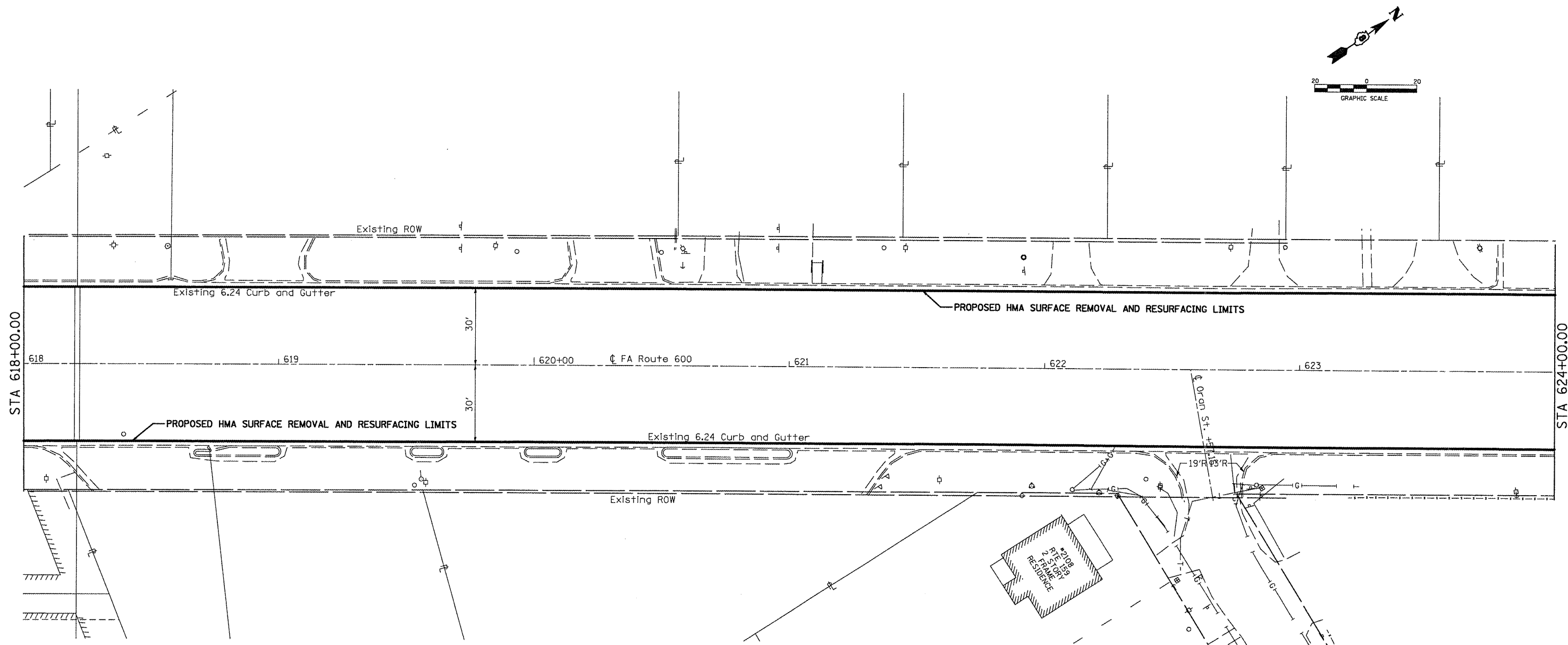
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	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW SHEETS**

SCALE: 1" = 20'    SHEET NO. 6 OF 16 SHEETS    STA. 612+00.00 TO STA. 618+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	13
CONTRACT NO. 76B87				
ILLINOIS FED. AID PROJECT				



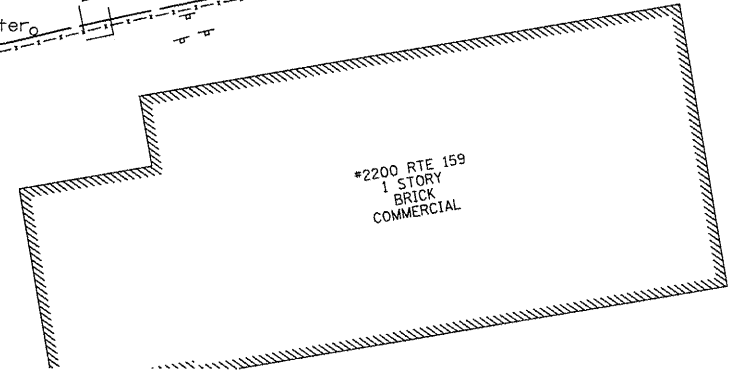
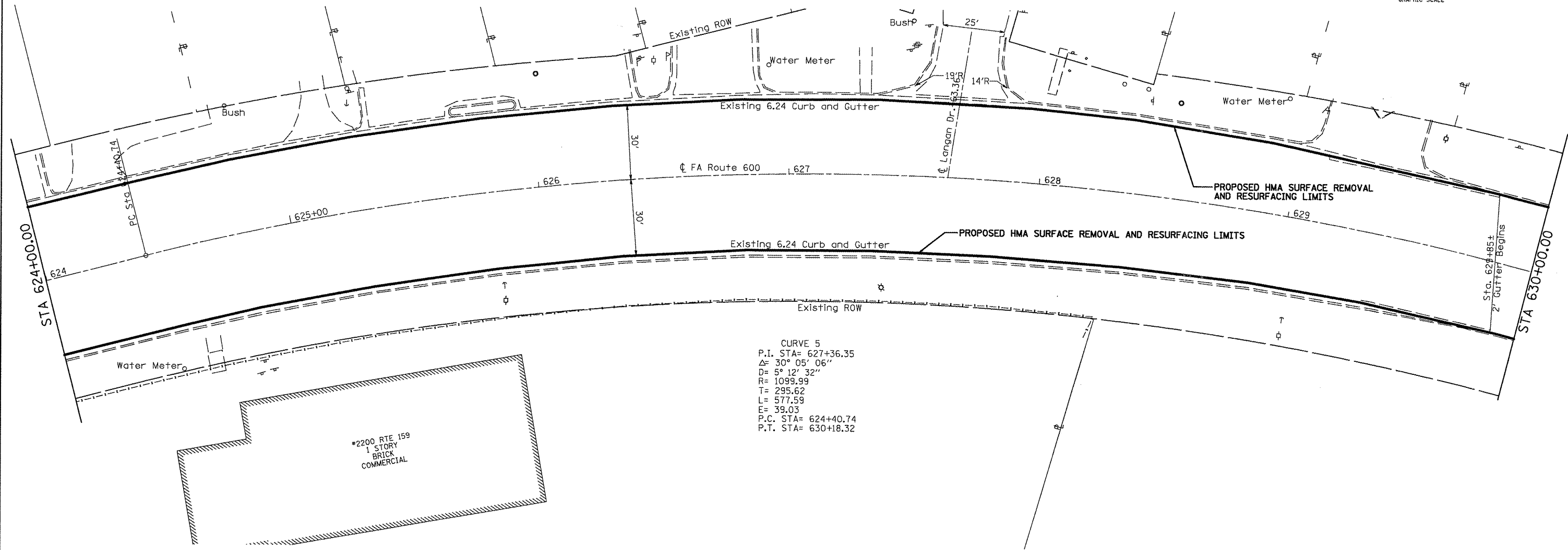
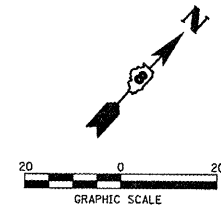
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	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW SHEETS**

SCALE: 1" = 20'    SHEET NO. 7 OF 16 SHEETS    STA. 618+00.00 TO STA. 624+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	14
CONTRACT NO. 76B87				
ILLINOIS FED. AID PROJECT				



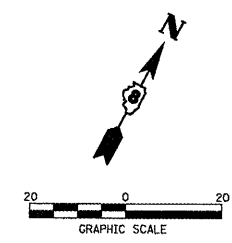
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	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

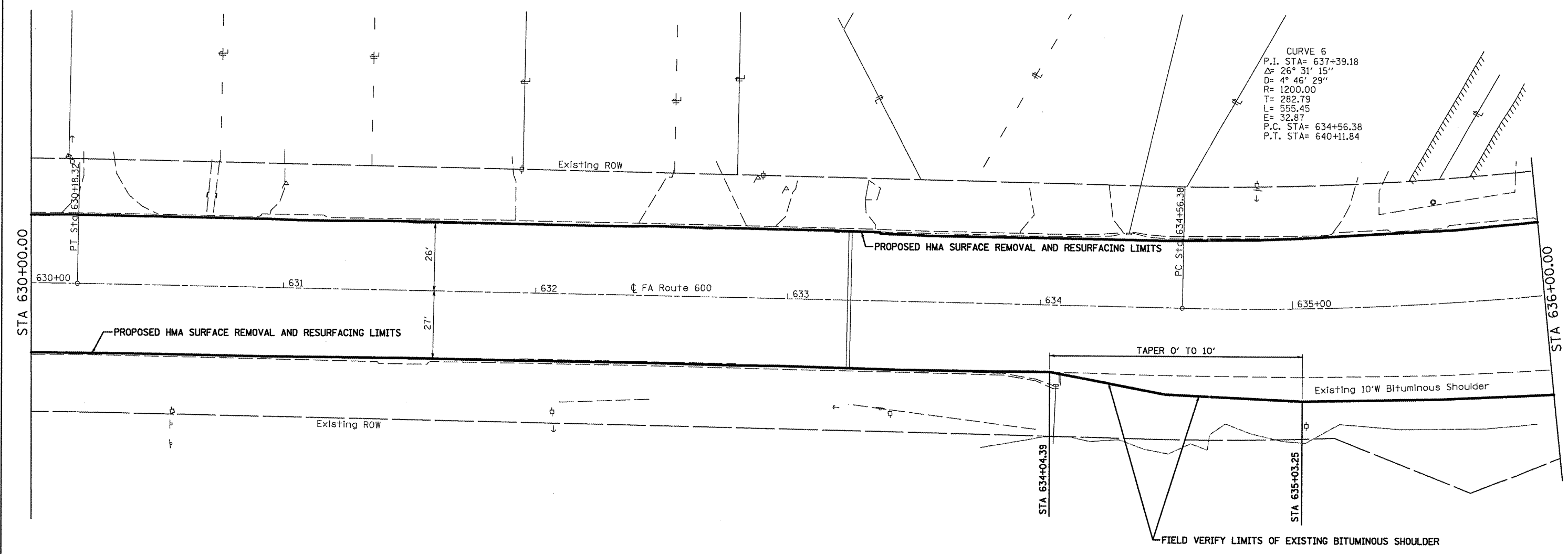
**PLAN VIEW SHEETS**

SCALE: 1" = 20'    SHEET NO. 8 OF 16 SHEETS    STA. 624+00.00 TO STA. 630+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	15
CONTRACT NO. 76B87				
ILLINOIS FED. AID PROJECT				



CURVE 6  
 P.I. STA= 637+39.18  
 $\Delta$ = 26° 31' 15"  
 D= 4° 46' 29"  
 R= 1200.00  
 T= 282.79  
 L= 555.45  
 E= 32.87  
 P.C. STA= 634+56.38  
 P.T. STA= 640+11.84



FILE NAME = #FILEL*	USER NAME = #USER*	DESIGNED - AAB	REVISED -
		DRAWN - MNR	REVISED -
		CHECKED - AAA	REVISED -
		DATE - MAY 12, 2009	REVISED -

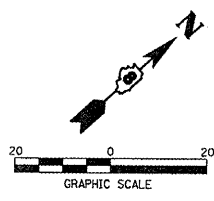
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW SHEETS**

SCALE: 1" = 20'    SHEET NO. 9 OF 16 SHEETS    STA. 630+00.00 TO STA. 636+00.00

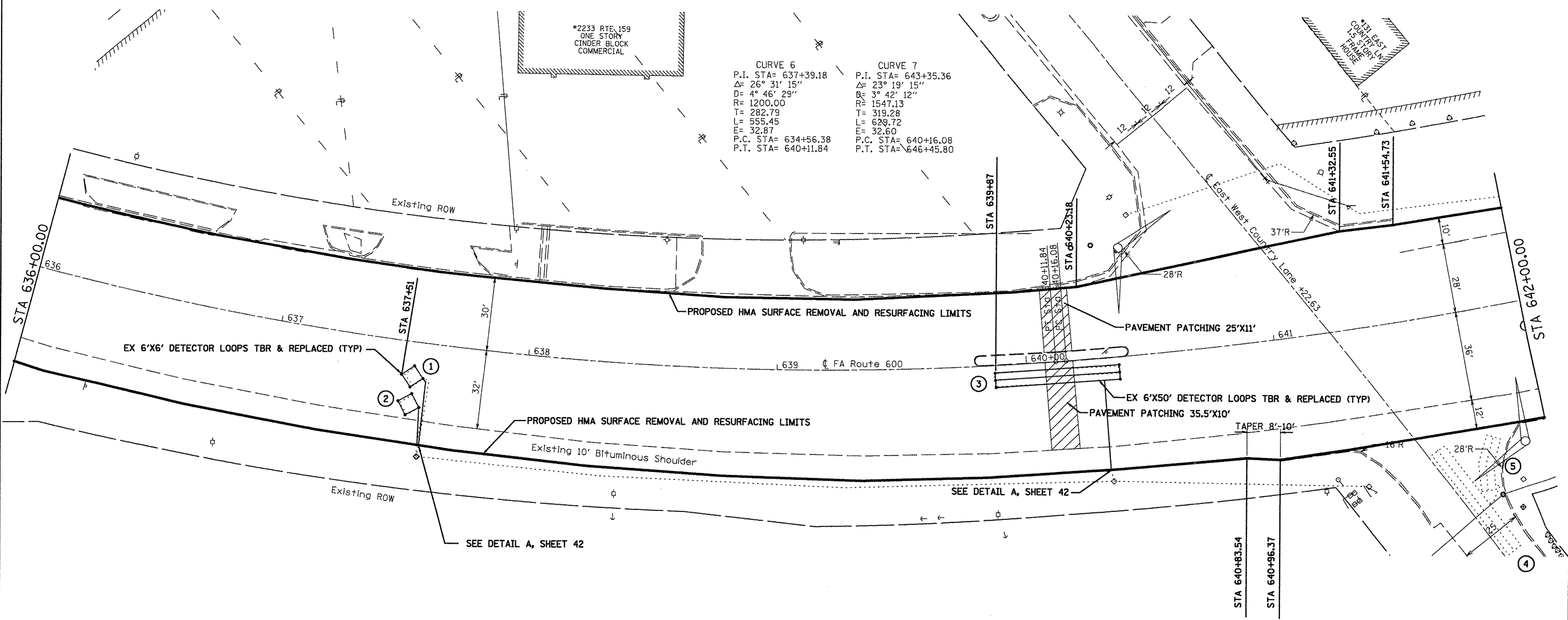
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	16
CONTRACT NO. 76B87				
ILLINOIS FED. AID PROJECT				



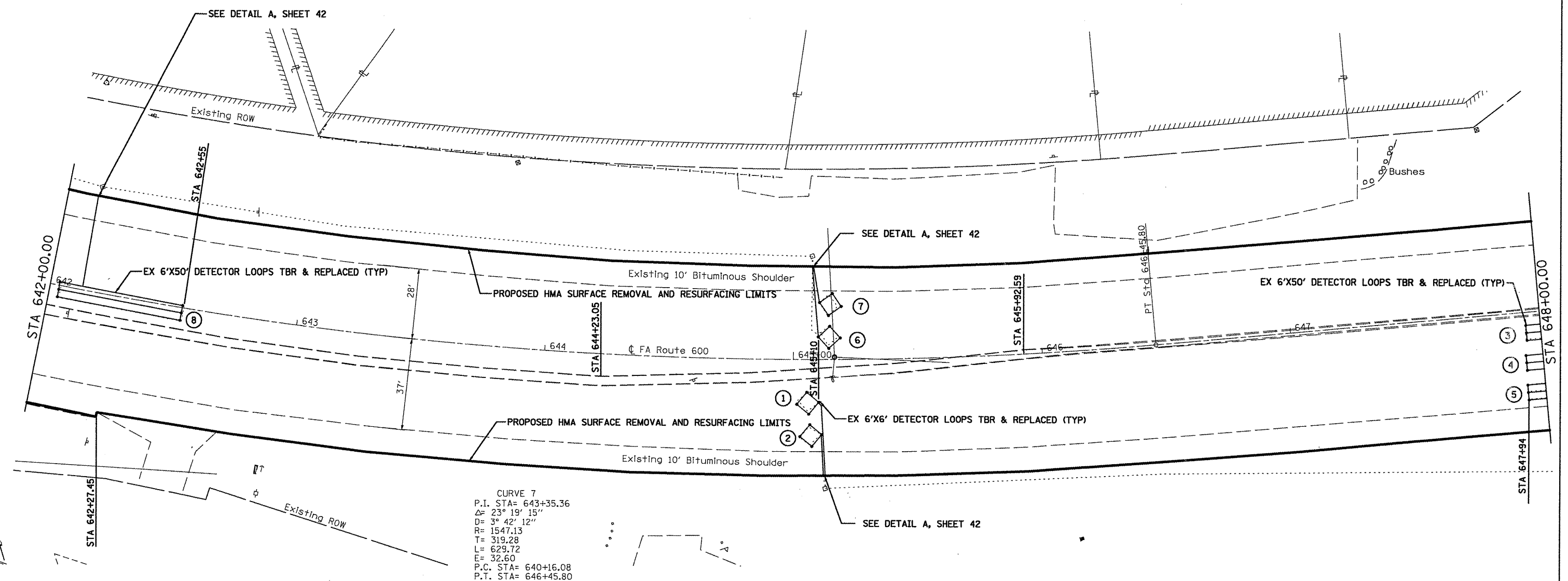
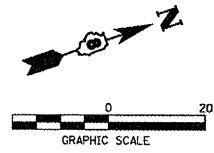


**CURVE 6**  
 P.I. STA= 637+39.18  
 $\Delta = 26^\circ 31' 15''$   
 $D = 4^\circ 46' 29''$   
 $R = 1200.00$   
 $T = 282.79$   
 $L = 555.45$   
 $E = 32.87$   
 P.C. STA= 634+56.38  
 P.T. STA= 640+11.84

**CURVE 7**  
 P.I. STA= 643+35.36  
 $\Delta = 23^\circ 19' 15''$   
 $D = 3^\circ 42' 12''$   
 $R = 1547.13$   
 $T = 319.28$   
 $L = 629.72$   
 $E = 32.60$   
 P.C. STA= 640+16.08  
 P.T. STA= 646+45.80



FILE NAME =	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN VIEW SHEETS</b>			F.A. RTE. 600	SECTION 60-(30,31,128)-2	COUNTY MADISON	TOTAL SHEETS 42	SHEET NO. 17
#FILE#	PLOT SCALE = #SCALE#	DRAWN - MNR	REVISED -		SCALE: 1" = 20'	SHEET NO. 10 OF 16 SHEETS	STA. 636+00.00 TO STA. 642+00.00	CONTRACT NO. T6BB7				
	PLOT DATE = #DATE#	CHECKED - AAA	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - MAY 12, 2009	REVISED -									



CURVE 7  
 P.I. STA= 643+35.36  
 $\Delta = 23^\circ 19' 15''$   
 $D = 3^\circ 42' 12''$   
 $R = 1547.13$   
 $T = 319.28$   
 $L = 629.72$   
 $E = 32.60$   
 P.C. STA= 640+16.08  
 P.T. STA= 646+45.80

FILE NAME =  
 #FILE#

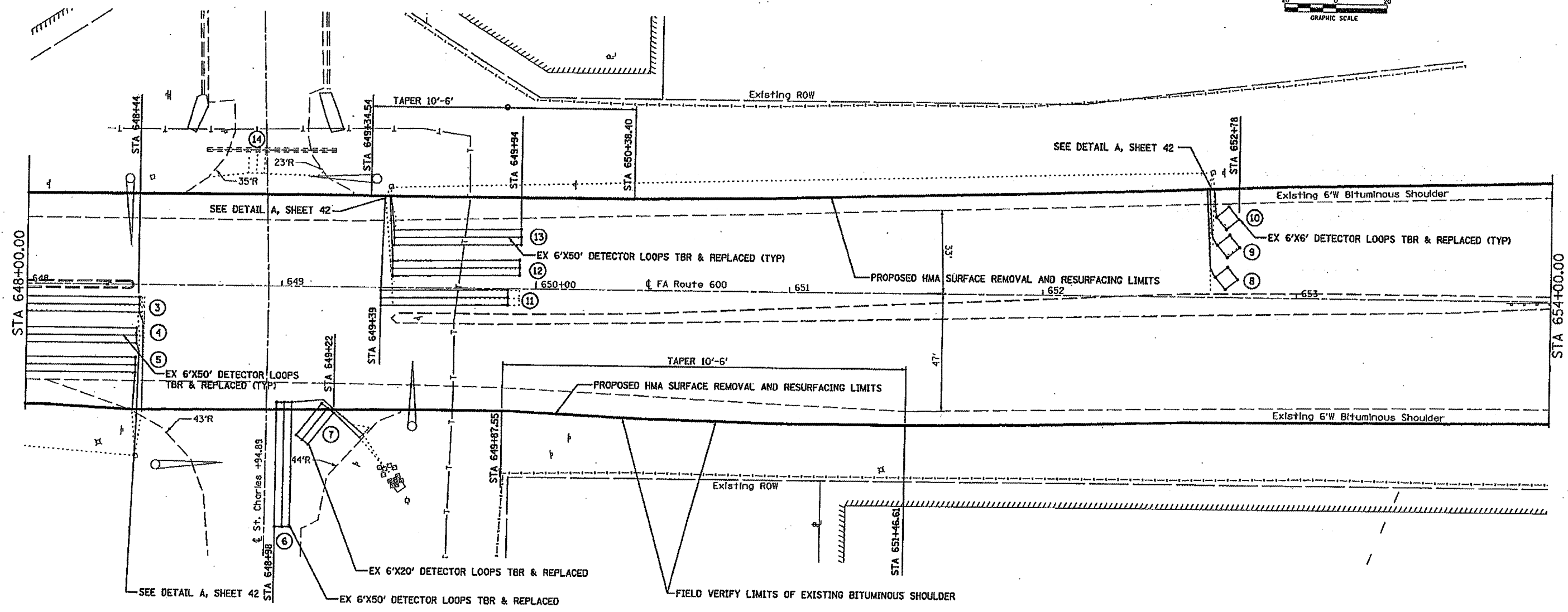
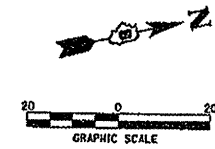
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PLOT SCALE = #SCALE#	CHECKED - AAA	REVISED -
PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW SHEETS**

SCALE: 1" = 20'    SHEET NO. 11 OF 16 SHEETS    STA. 642+00.00 TO STA. 648+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	18
				CONTRACT NO. 76B87
ILLINOIS FED. AID PROJECT				

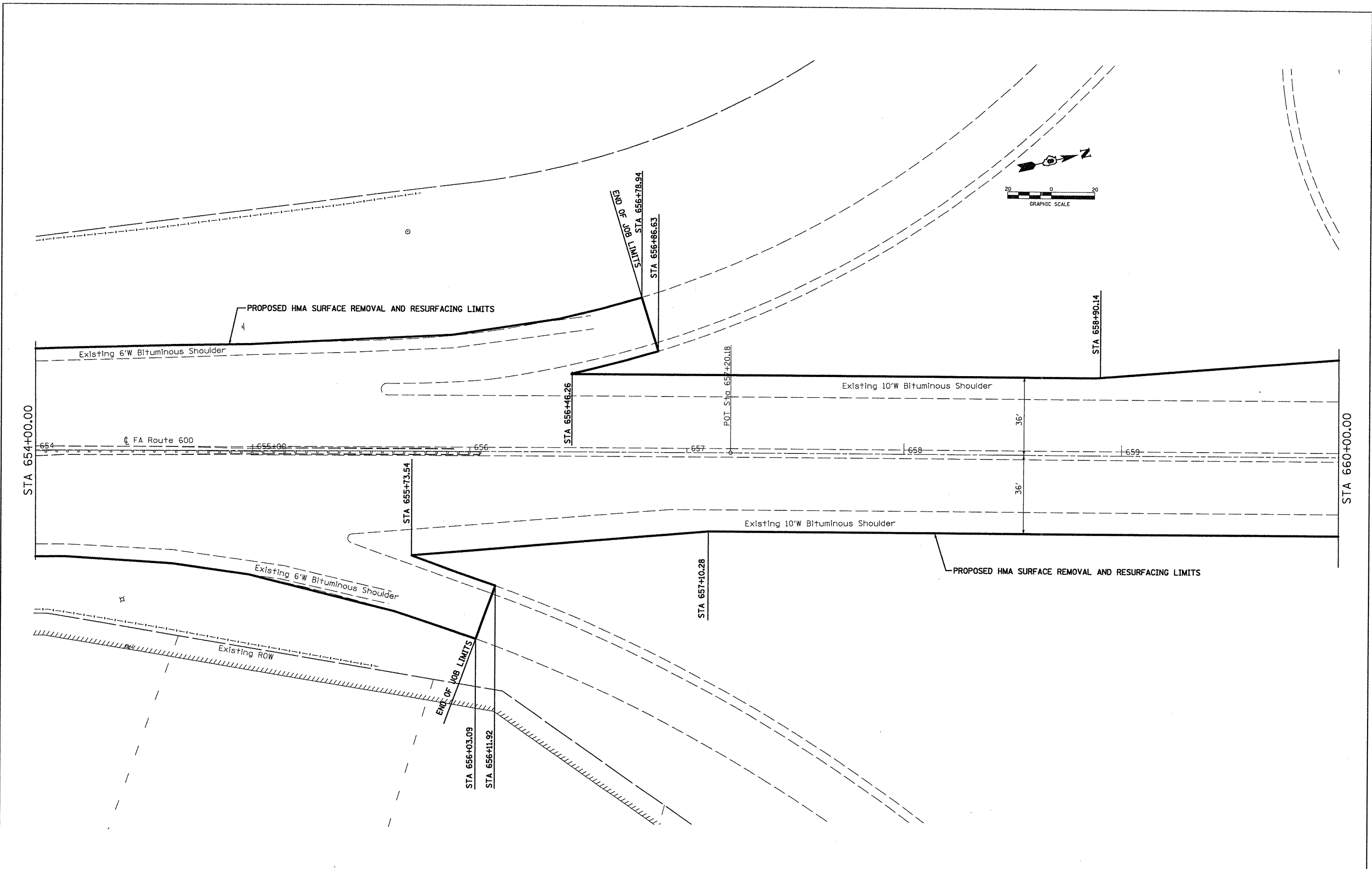


FILE NAME *	USER NAME * #USER#	DESIGNED - AAB	REVISED -
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	PLOT SCALE = #SCALE#	CHECKED - AAA	REVISED -
	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -

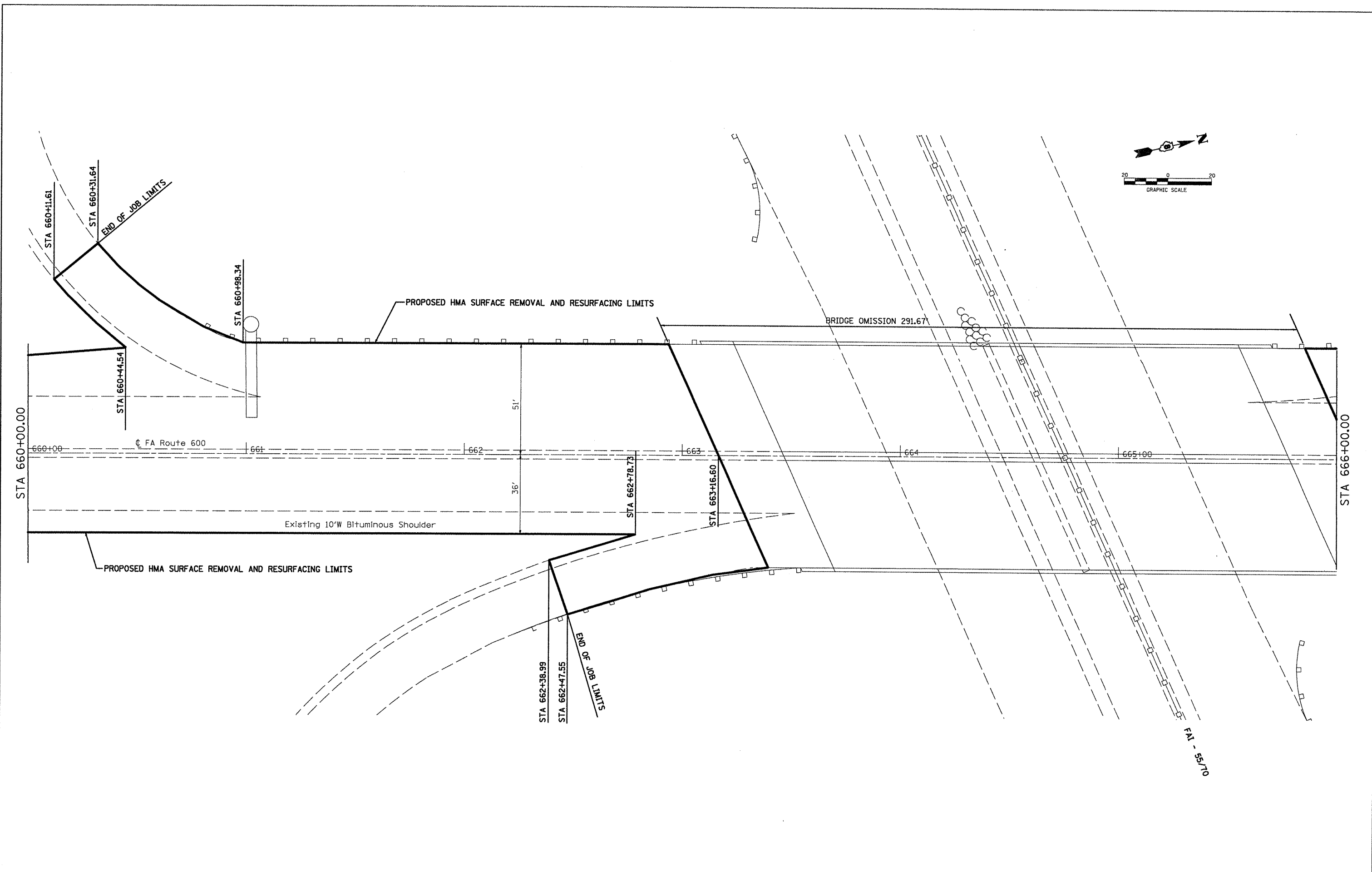
*Rev.*  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW SHEETS**  
 SCALE: 1" = 20'  
 SHEET NO. 12 OF 16 SHEETS  
 STA. 648+00.00 TO STA. 654+00.00

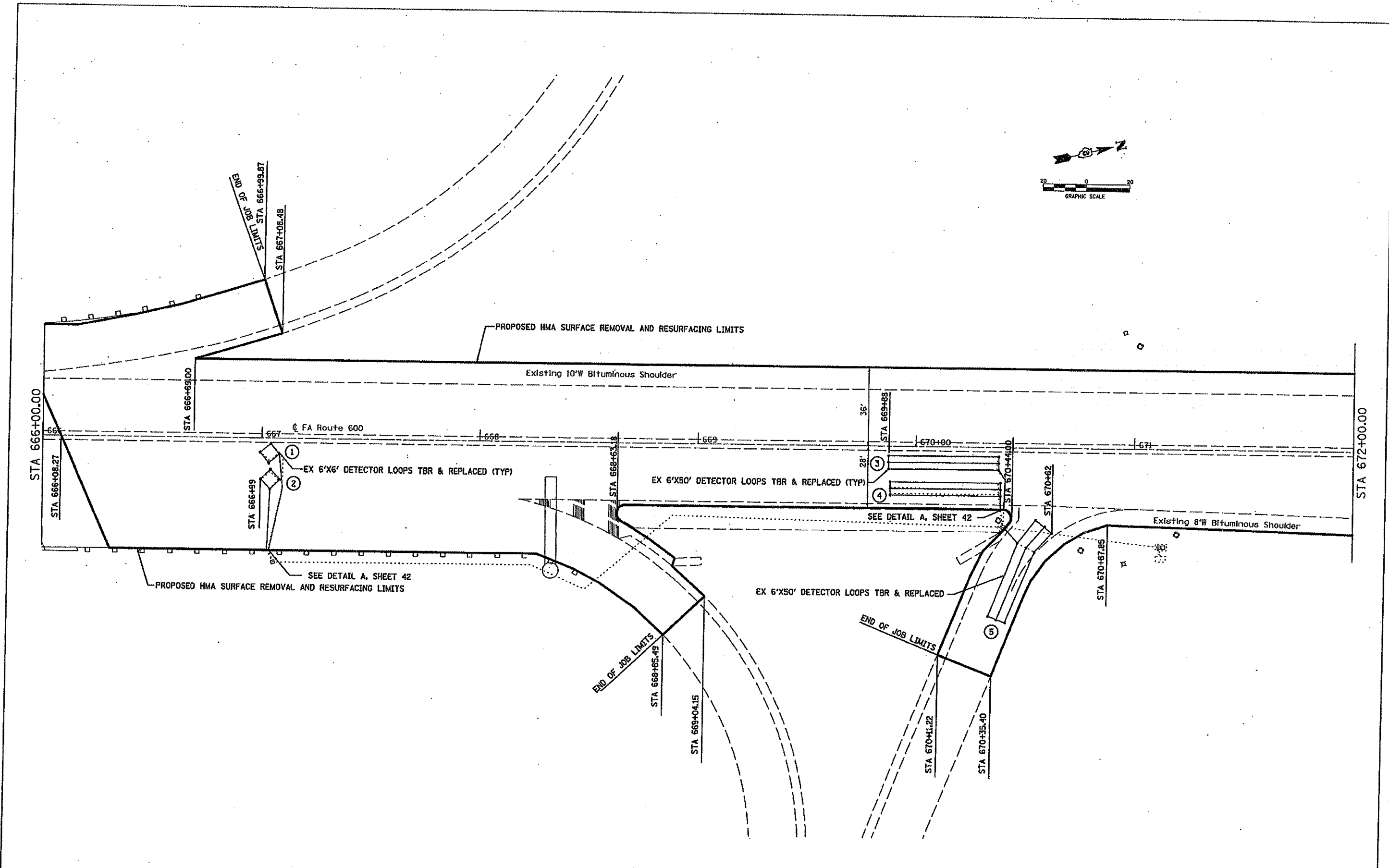
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	19
CONTRACT NO. 76B87				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN VIEW SHEETS</b>				F.A. RTE. = 600	SECTION = 60-(30,31,128)-2	COUNTY = MADISON	TOTAL SHEETS = 42	SHEET NO. = 20
#FILE#	PLOT SCALE = #SCALE#	DRAWN - MNR	REVISED -		SCALE: 1" = 20'	SHEET NO. 13 OF 16 SHEETS	STA. 654+00.00 TO STA. 660+00.00	CONTRACT NO. 76B87					
	PLOT DATE = #DATE#	CHECKED - AAA	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE - MAY 12, 2009	REVISED -										



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN VIEW SHEETS</b>		F.A. RTE. 600	SECTION 60-(30,31,128)-2	COUNTY MADISON	TOTAL SHEETS 42	SHEET NO. 21	
	PLOT SCALE = #SCALE#	DRAWN - MNR	REVISED -		SCALE: 1" = 20'	SHEET NO. 14 OF 16 SHEETS	STA. 660+00.00 TO STA. 666+00.00	CONTRACT NO. 76887				
	PLOT DATE = #DATE#	CHECKED - AAA	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - MAY 12, 2009	REVISED -									



FILE NAME * #FILE#	USER NAME * #USER#	DESIGNED - AAB	REVISED -
		DRAWN - MNR	REVISED -
		CHECKED - AAA	REVISED -
		DATE - MAY 12, 2009	REVISED -

REV.

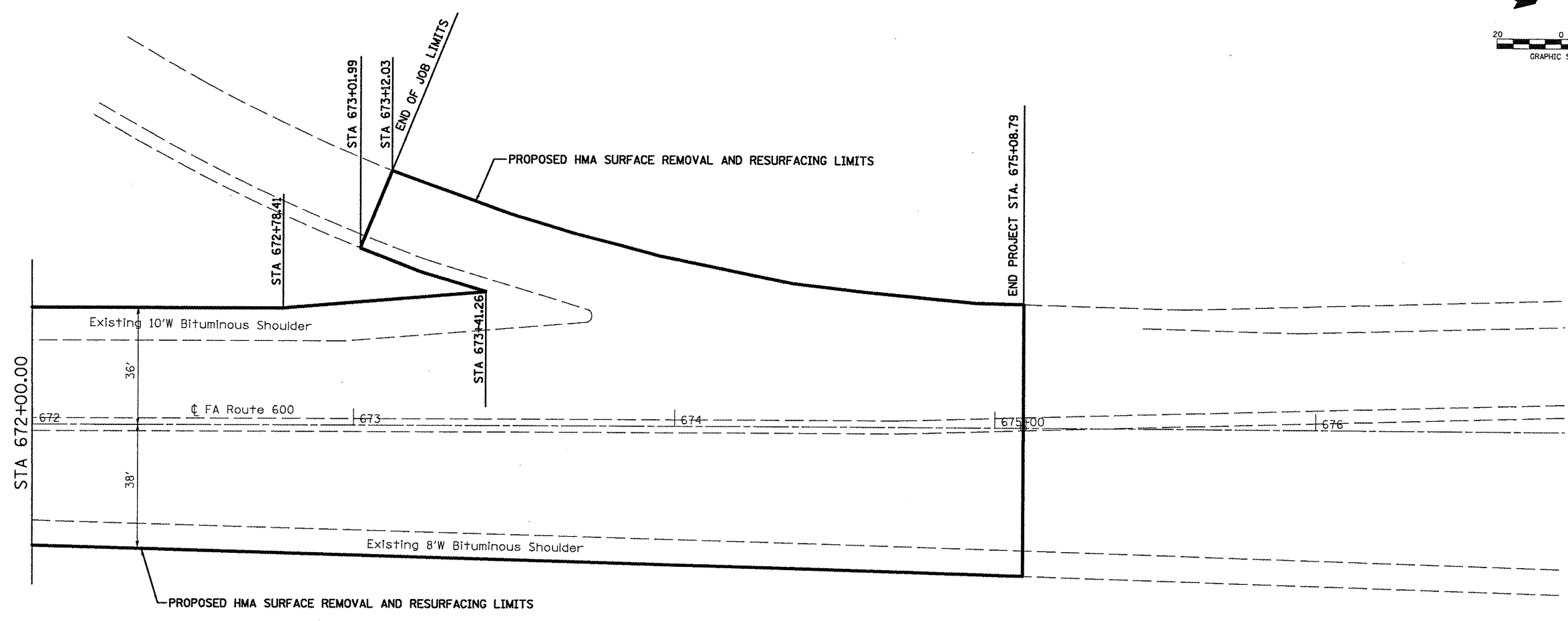
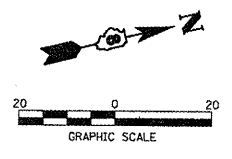
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW SHEETS**

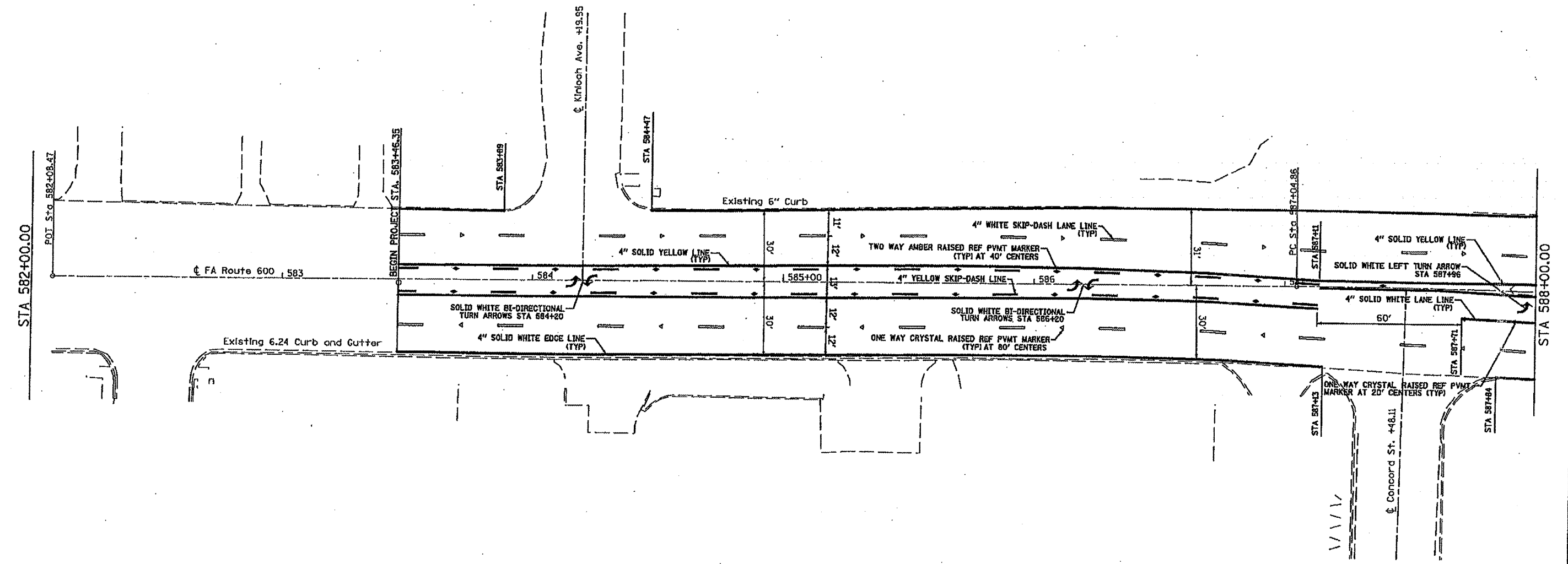
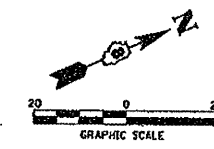
SCALE: 1" = 20'  
SHEET NO. 15 OF 16 SHEETS  
STA. 666+00.00 TO STA. 672+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(10,31,128)-2	MADISON	42	22
CONTRACT NO. 76B67				

ILLINOIS FED. AID PROJECT



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN VIEW SHEETS</b>			F.A. RTE. 600	SECTION 60-(30,31,128)-2	COUNTY MADISON	TOTAL SHEETS 42	SHEET NO. 23	
	PLOT SCALE = #SCALE#	CHECKED - AAA	REVISED -		SCALE: 1" = 20'	SHEET NO. 16 OF 16 SHEETS	STA. 672+00.00 TO STA. 678+00.00	CONTRACT NO. 76887					
	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -		ILLINOIS FED. AID PROJECT								

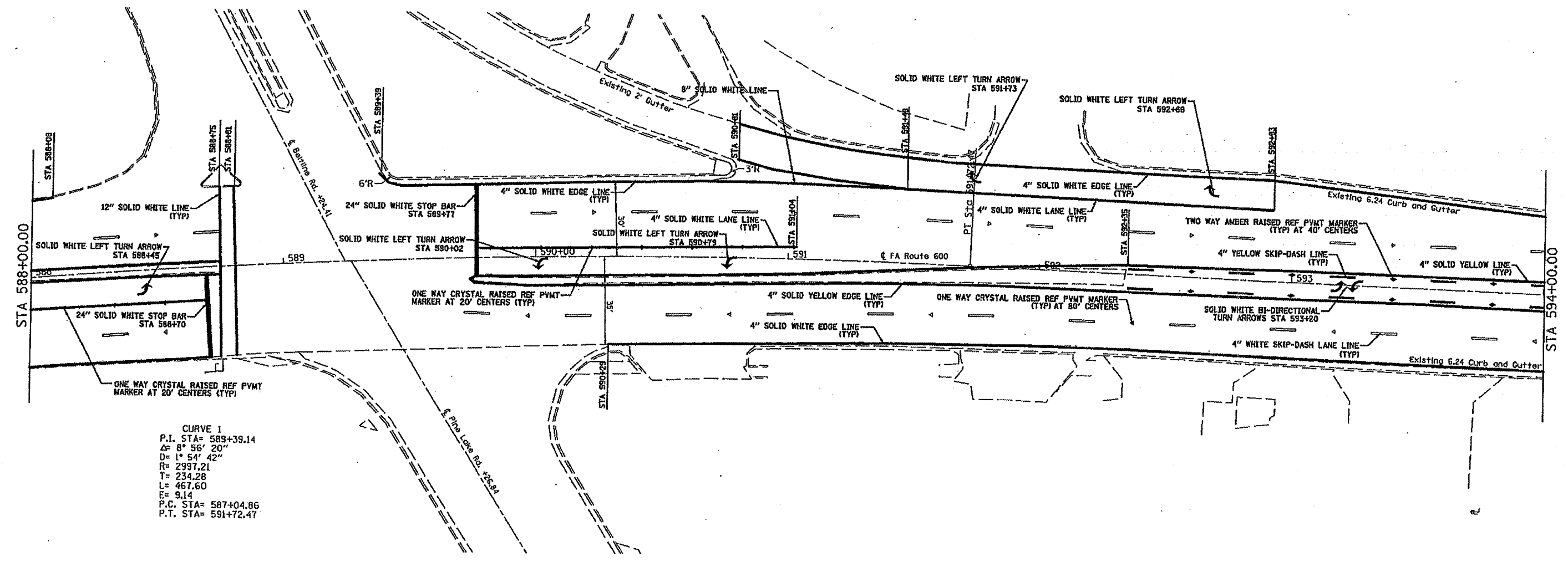
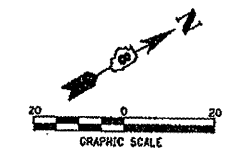


CURVE 1  
 P.I. STA= 589+39.14  
 $\Delta$ = 8° 56' 20"  
 D= 1° 54' 42"  
 R= 2997.21  
 T= 234.28  
 L= 467.60  
 E= 9.14  
 P.C. STA= 587+04.86  
 P.T. STA= 591+12.47

Rev.

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEETS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - MNR	REVISED -			600	60-(30,31,128)-2	MADISON	42	24	
		CHECKED - AAA	REVISED -			CONTRACT NO. 76B87					
		DATE - MAY 12, 2009	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: 1" = 20'		SHEET NO. 1 OF 16 SHEETS		STA. 582+00.00 TO STA. 588+00.00			





CURVE 1  
 P.L. STA= 589+39.14  
 $\Delta = 8^{\circ} 56' 20''$   
 $D = 1^{\circ} 54' 42''$   
 $R = 2997.21$   
 $T = 234.28$   
 $L = 467.60$   
 $E = 9.14$   
 P.C. STA= 587+04.86  
 P.T. STA= 591+72.47

FILE NAME #FILE#	USER NAME #USER#	DESIGNED - AAB	REVISED -
		DRAWN - MNR	REVISED -
		CHECKED - AAA	REVISED -
		DATE - MAY 12, 2009	REVISED -

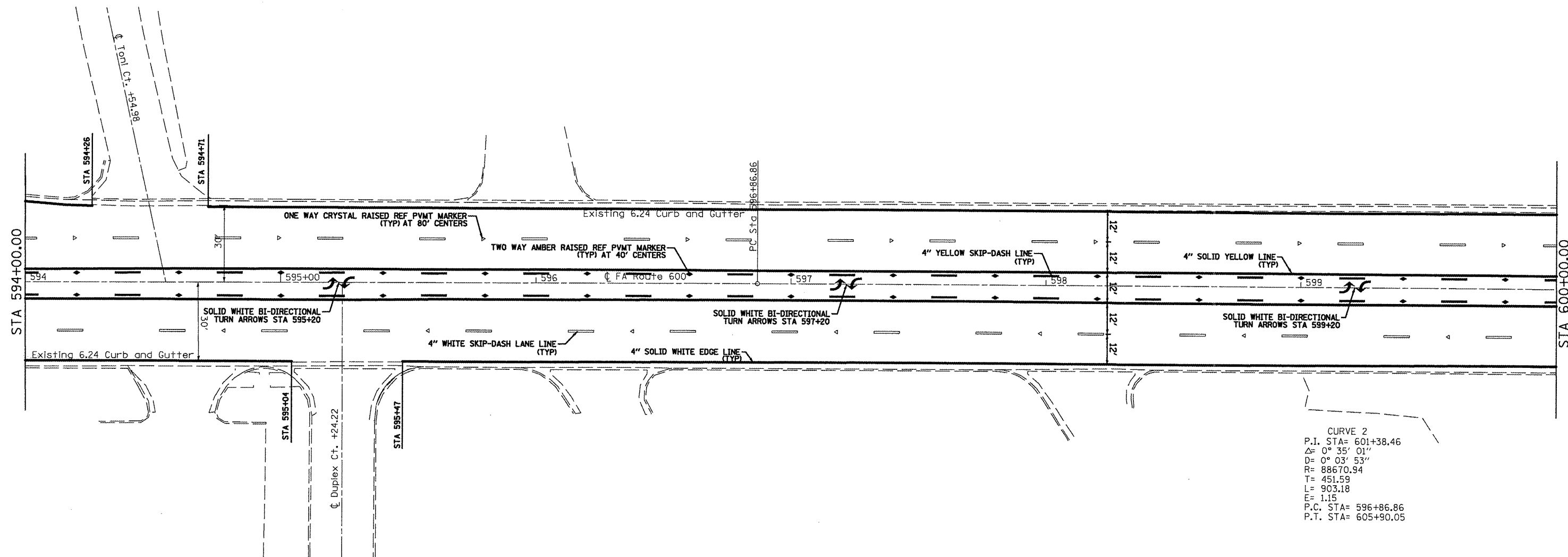
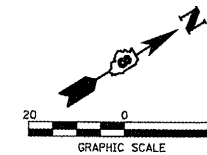
*REV*

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEETS**

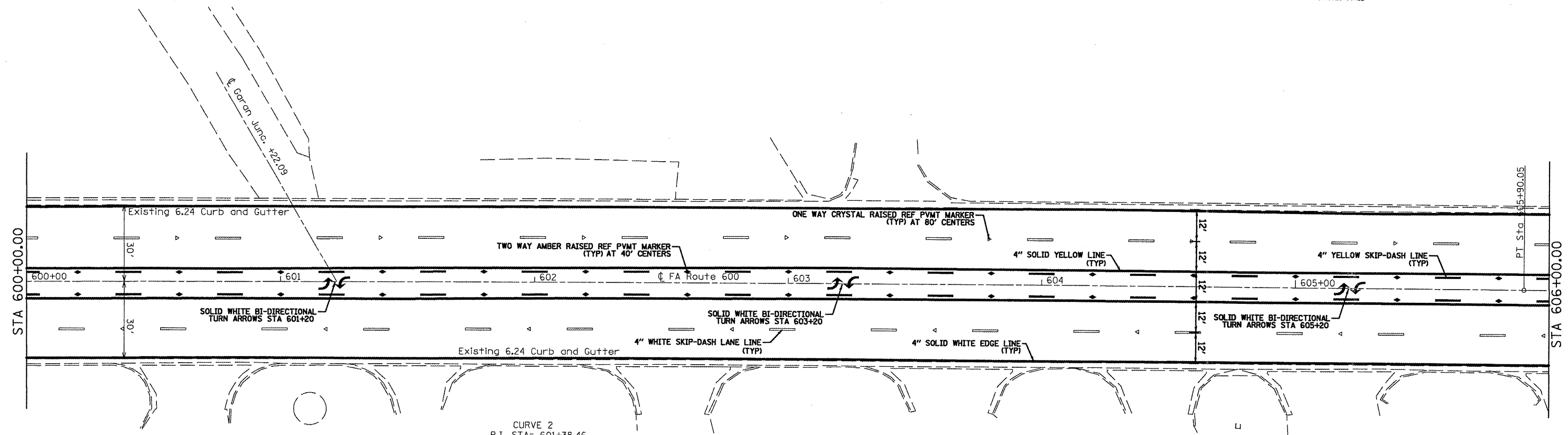
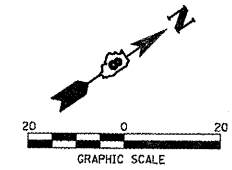
SCALE: 1" = 20'    SHEET NO. 2 OF 16 SHEETS    STA. 588+00.00 TO STA. 594+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	25
CONTRACT NO. 76887				
ILLINOIS FED. AID PROJECT				



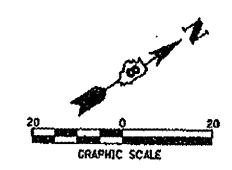
CURVE 2  
 P.I. STA= 601+38.46  
 $\Delta$ = 0° 35' 01"  
 D= 0° 03' 53"  
 R= 88670.94  
 T= 451.59  
 L= 903.18  
 E= 1.15  
 P.C. STA= 596+86.86  
 P.T. STA= 605+90.05

FILE NAME =	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEETS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - MNR	REVISED -		600	60-(30,31,128)-2	MADISON	42	26			
	PLOT SCALE = #SCALE#	CHECKED - AAA	REVISED -		SCALE: 1" = 20'			SHEET NO. 3 OF 16 SHEETS			STA. 594+00.00 TO STA. 600+00.00	
	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -		CONTRACT NO. 76B87							
ILLINOIS FED. AID PROJECT												

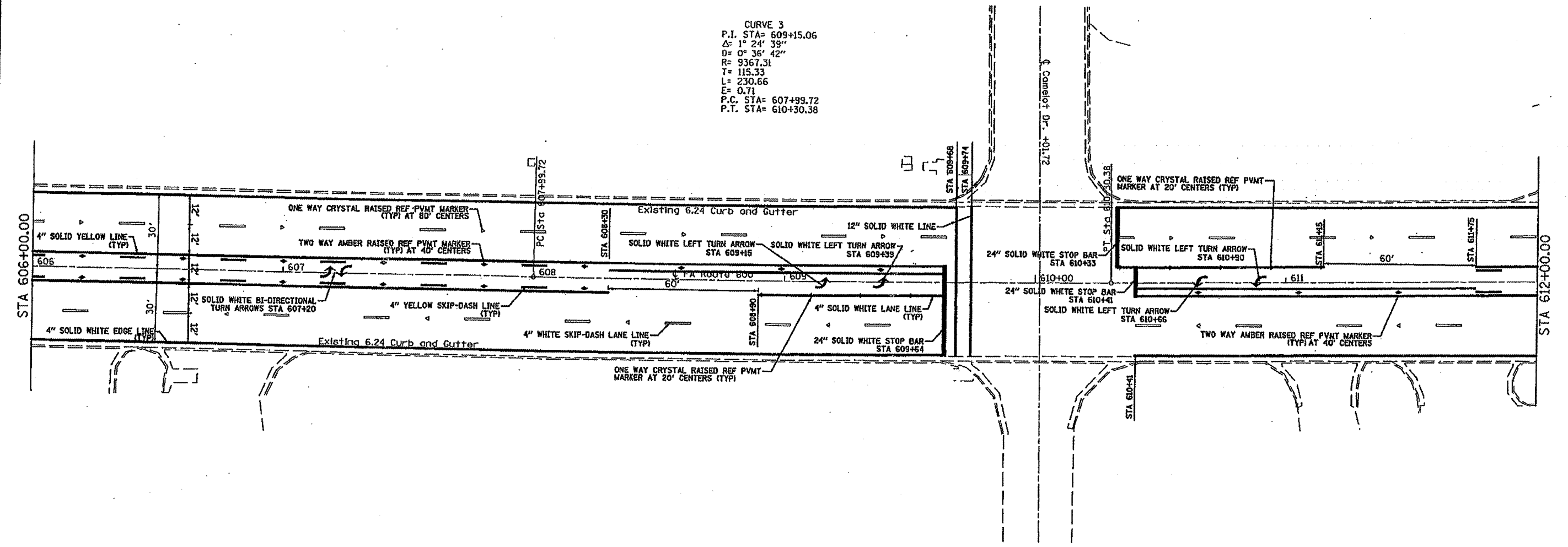


CURVE 2  
 P.I. STA= 601+38.46  
 $\Delta = 0^\circ 35' 01''$   
 $D = 0^\circ 03' 53''$   
 $R = 88670.94$   
 $T = 451.59$   
 $L = 903.18$   
 $E = 1.15$   
 P.C. STA= 596+86.86  
 P.T. STA= 605+90.05

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEETS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - MNR	REVISED -					600	60-(30,31,128)-2	MADISON	42	27
	PLOT DATE = #DATE#	CHECKED - AAA	REVISED -		SCALE: 1" = 20'	SHEET NO. 4 OF 16 SHEETS	STA. 600+00.00 TO STA. 606+00.00	CONTRACT NO. 76B87				
	DATE - MAY 12, 2009	REVISED -					ILLINOIS FED. AID PROJECT					

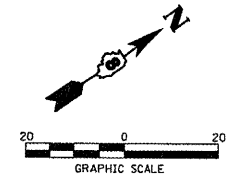


CURVE 3  
 P.I. STA= 609+15.06  
 $\Delta = 1^{\circ} 24' 39''$   
 $D = 0^{\circ} 36' 42''$   
 $R = 9367.31$   
 $T = 115.33$   
 $L = 230.66$   
 $E = 0.71$   
 P.C. STA= 607+99.72  
 P.T. STA= 610+30.38

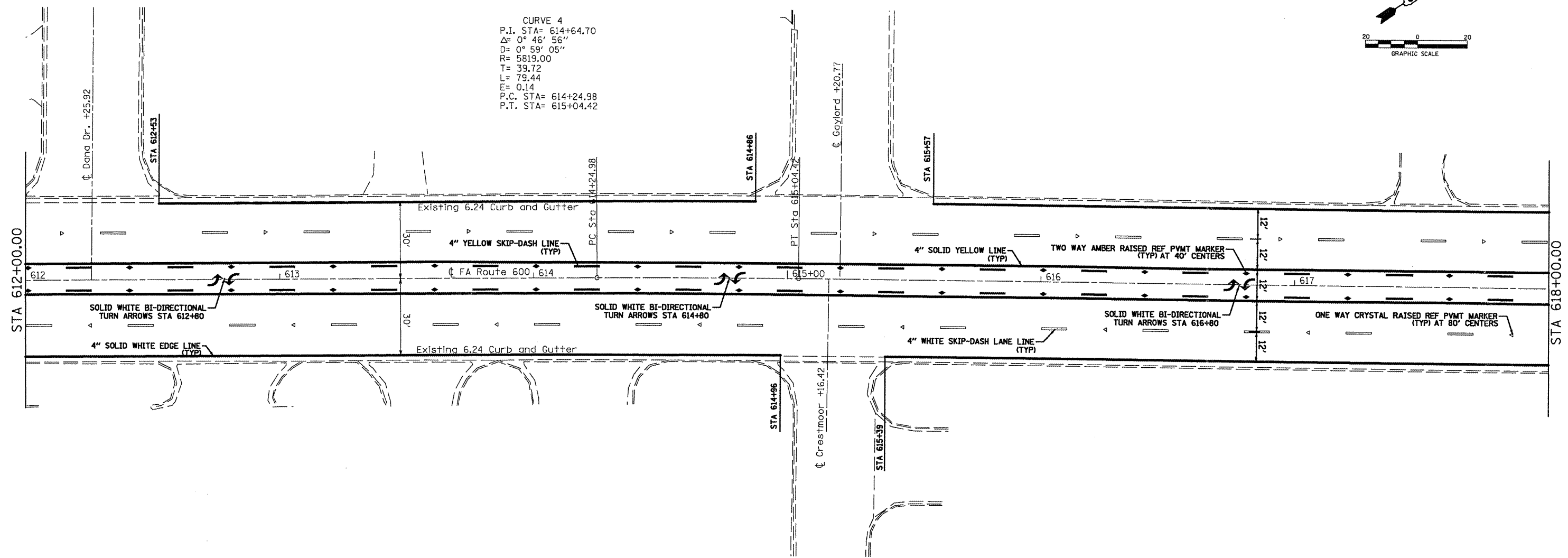


Rev.

FILE NAME *	USER NAME = #USER#	DESIGNED - AAB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - MNR	REVISED -		600	60-(30,31,128)-2	MADISON	40	28			
PLOT SCALE = #SCALE#		CHECKED - AAA	REVISED -		SCALE: 1" = 20'		SHEET NO. 5 OF 16 SHEETS		STA. 606+00.00 TO STA. 612+00.00		CONTRACT NO. T6B87	
PLOT DATE = #DATE#		DATE - MAY 12, 2009	REVISED -		ILLINOIS FED. AID PROJECT							



CURVE 4  
 P.I. STA= 614+64.70  
 $\Delta = 0^\circ 46' 56''$   
 $D = 0^\circ 59' 05''$   
 $R = 5819.00$   
 $T = 39.72$   
 $L = 79.44$   
 $E = 0.14$   
 P.C. STA= 614+24.98  
 P.T. STA= 615+04.42



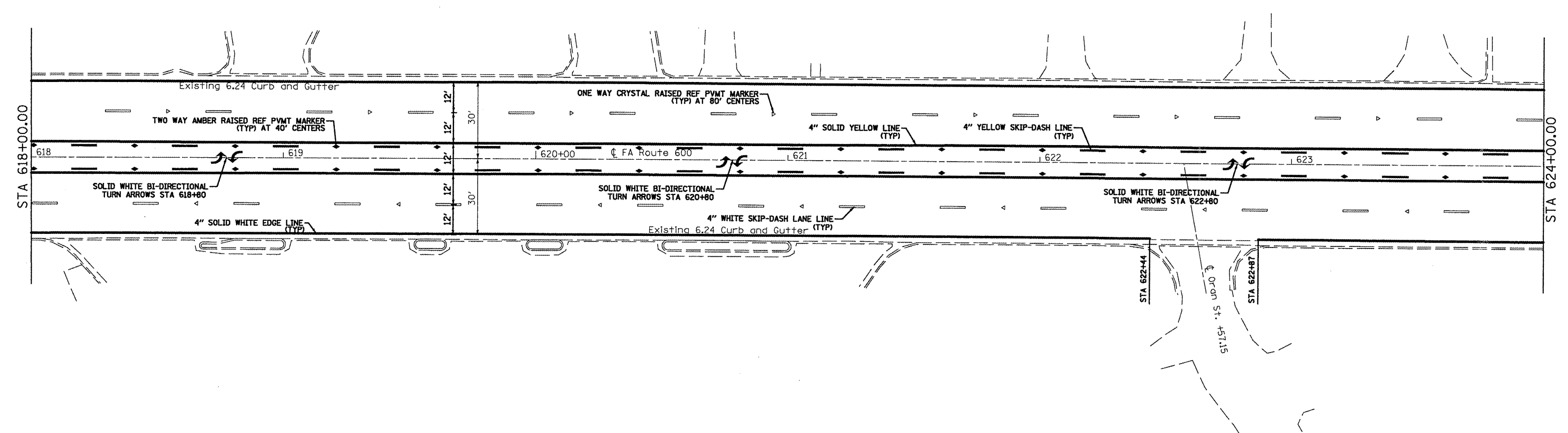
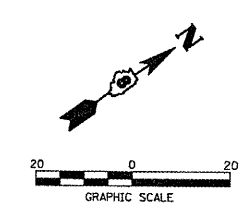
FILE NAME =	USER NAME = #USER#	DESIGNED - AAB	REVISED -
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	PLOT SCALE = #SCALE#	CHECKED - AAA	REVISED -
	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEETS**

SCALE: 1" = 20'    SHEET NO. 6 OF 16 SHEETS    STA. 612+00.00 TO STA. 618+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	40	29
CONTRACT NO. 76B87			ILLINOIS FED. AID PROJECT	



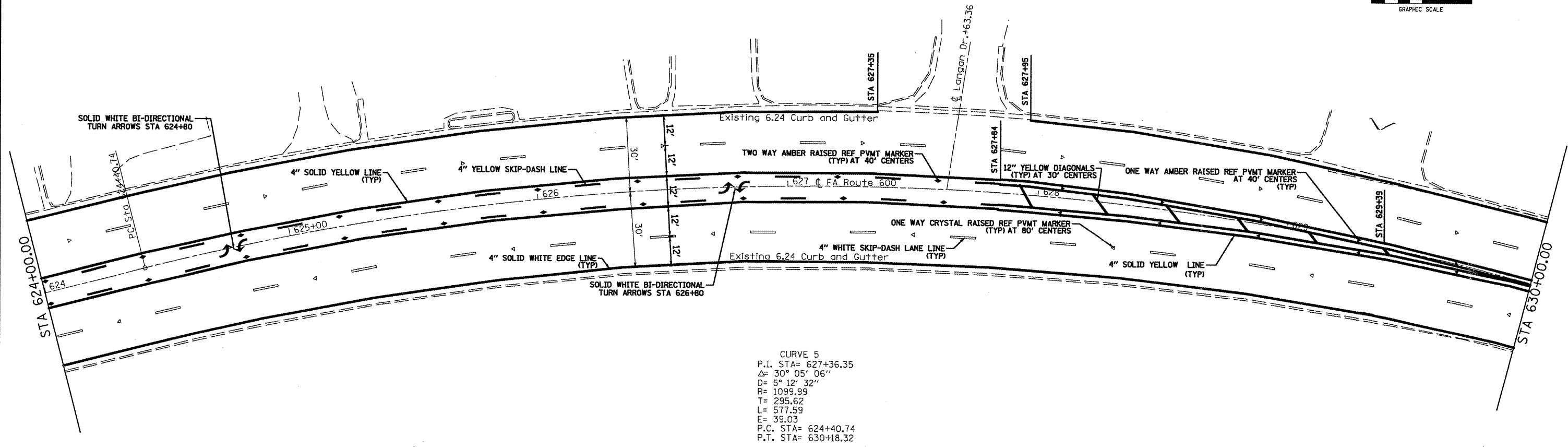
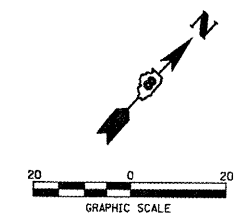
FILE NAME =	USER NAME = #USER#	DESIGNED - AAB	REVISED -
#FILEL#		DRAWN - MNR	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - AAA	REVISED -
	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEETS**

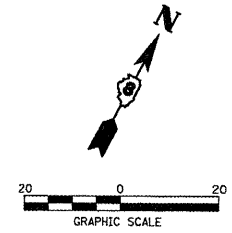
SCALE: 1" = 20'    SHEET NO. 7 OF 16 SHEETS    STA. 618+00.00 TO STA. 624+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	30
CONTRACT NO. 76B87			ILLINOIS FED. AID PROJECT	

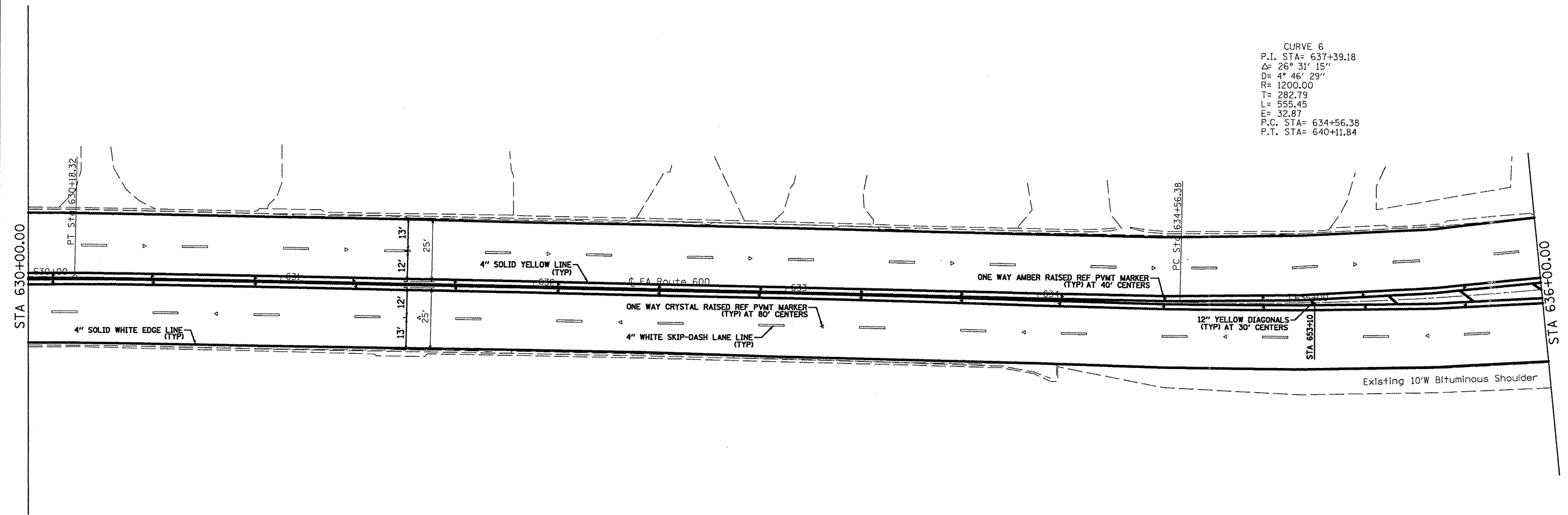


CURVE 5  
 P.I. STA= 627+36.35  
 $\Delta = 30^{\circ} 05' 06''$   
 $D = 5^{\circ} 12' 32''$   
 $R = 1099.99$   
 $T = 295.62$   
 $L = 577.59$   
 $E = 39.03$   
 P.C. STA= 624+40.74  
 P.T. STA= 630+18.32

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEETS</b>	F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = #SCALE#	DRAWN - MNR	REVISED -			600	60-(30,31,128)-2	MADISON	42	31	
	PLOT DATE = #DATE#	CHECKED - AAA	REVISED -			SCALE: 1" = 20'		SHEET NO. 8 OF 16 SHEETS		STA. 624+00.00 TO STA. 630+00.00	
	DATE - MAY 12, 2009	REVIS	REVISED -			CONTRACT NO. 76BB7					
ILLINOIS FED. AID PROJECT											



CURVE 6  
 P.I. STA= 637+39.18  
 Δ= 26° 31' 15"  
 D= 4° 46' 29"  
 R= 1200.00  
 T= 282.79  
 L= 555.45  
 E= 32.87  
 P.C. STA= 634+56.38  
 P.T. STA= 640+11.84



FILE NAME =	USER NAME = #USER#	DESIGNED - AAB	REVISED -
#FILE#		DRAWN - MNR	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - AAA	REVISED -
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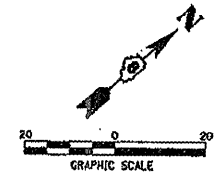
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEETS**

SCALE: 1" = 20'    SHEET NO. 9 OF 16 SHEETS    STA. 630+00.00 TO STA. 636+00.00

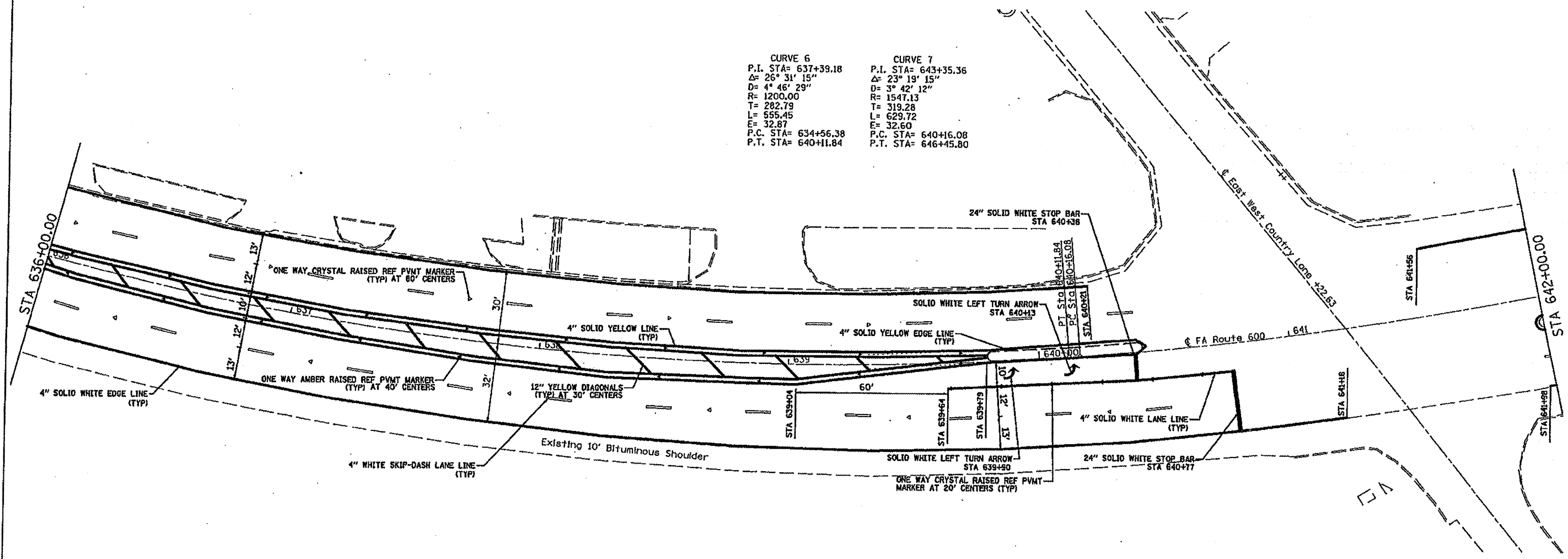
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	32
CONTRACT NO. 76B87				
ILLINOIS FED. AID PROJECT				





CURVE 6  
 P.I. STA= 637+39.18  
 $\Delta= 26^{\circ} 31' 15''$   
 $D= 4^{\circ} 46' 29''$   
 $R= 1200.00$   
 $T= 282.79$   
 $L= 555.45$   
 $E= 32.87$   
 P.C. STA= 634+56.38  
 P.T. STA= 640+11.84

CURVE 7  
 P.I. STA= 643+35.36  
 $\Delta= 23^{\circ} 19' 15''$   
 $D= 3^{\circ} 42' 12''$   
 $R= 1547.13$   
 $T= 319.28$   
 $L= 629.72$   
 $E= 32.60$   
 P.C. STA= 640+16.08  
 P.T. STA= 646+45.80



*Rev.*

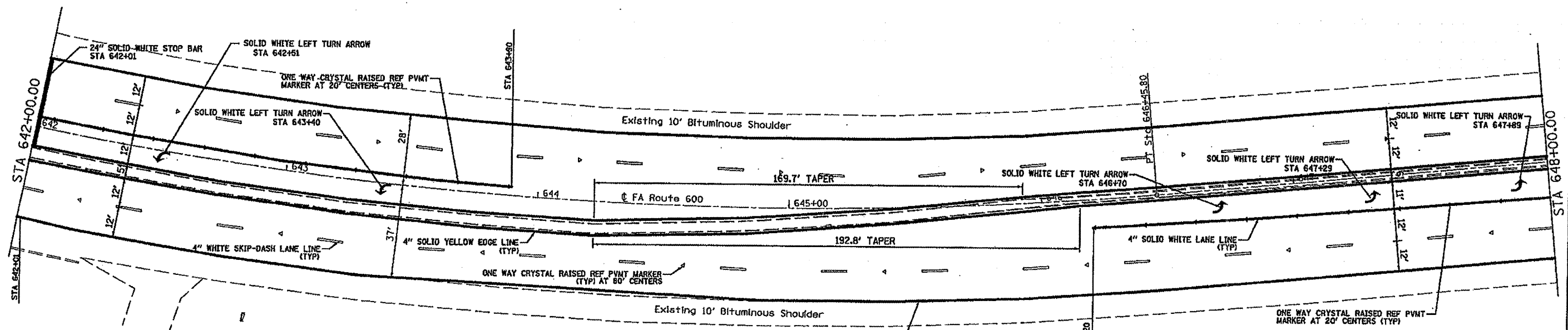
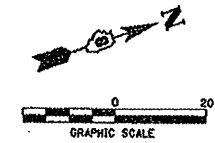
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	PLOT DATE = #DATE#	CHECKED - AAA	REVISED -
		DATE - MAY 12, 2009	REVISED -

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

**PAVEMENT MARKING SHEETS**

SCALE: 1" = 20'    SHEET NO. 10 OF 16 SHEETS    STA. 636+00.00 TO STA. 642+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	33
CONTRACT NO. 76887				
<small>[ILLINOIS] FED. AID PROJECT</small>				



CURVE 7  
 P.I. STA= 643+35.36  
 $\Delta = 23^{\circ} 19' 15''$   
 $D = 3^{\circ} 42' 12''$   
 $R = 1547.13$   
 $T = 319.28$   
 $L = 629.72$   
 $E = 32.60$   
 P.C. STA= 640+16.08  
 P.T. STA= 646+45.80

*Rev.*

FILE NAME *	USER NAME = #USER#	DESIGNED - AAB	REVISED -
#FILE#		DRAWN - MNR	REVISED -
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	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -

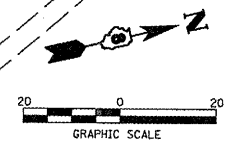
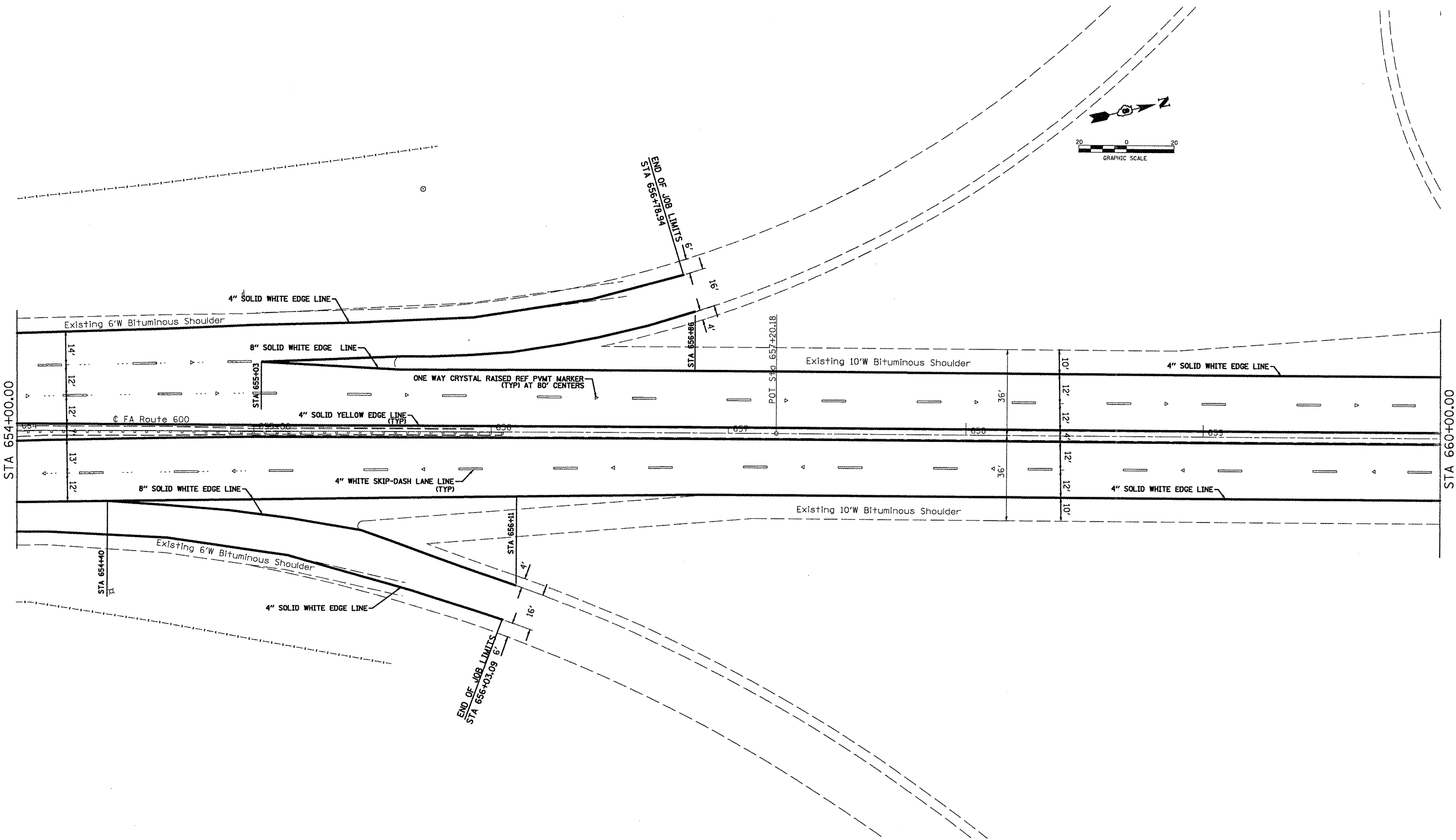
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEETS**

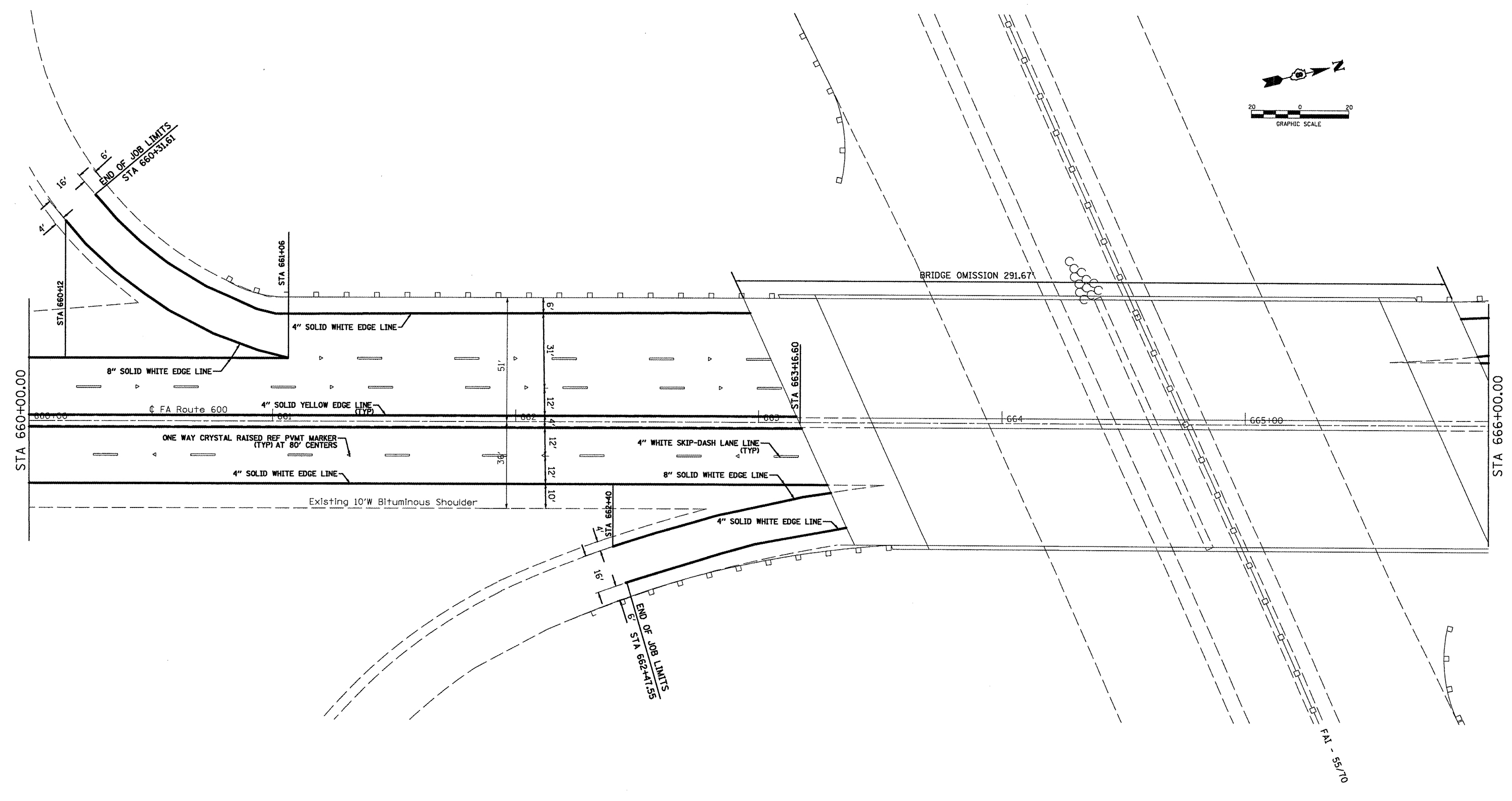
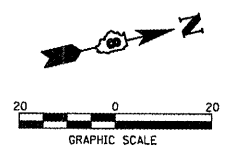
SCALE: 1" = 20'    SHEET NO. 11 OF 16 SHEETS    STA. 642+00.00 TO STA. 648+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-130,31,1281-2	MADISON	42	34
CONTRACT NO. 76B87			ILLINOIS FED. AID PROJECT	

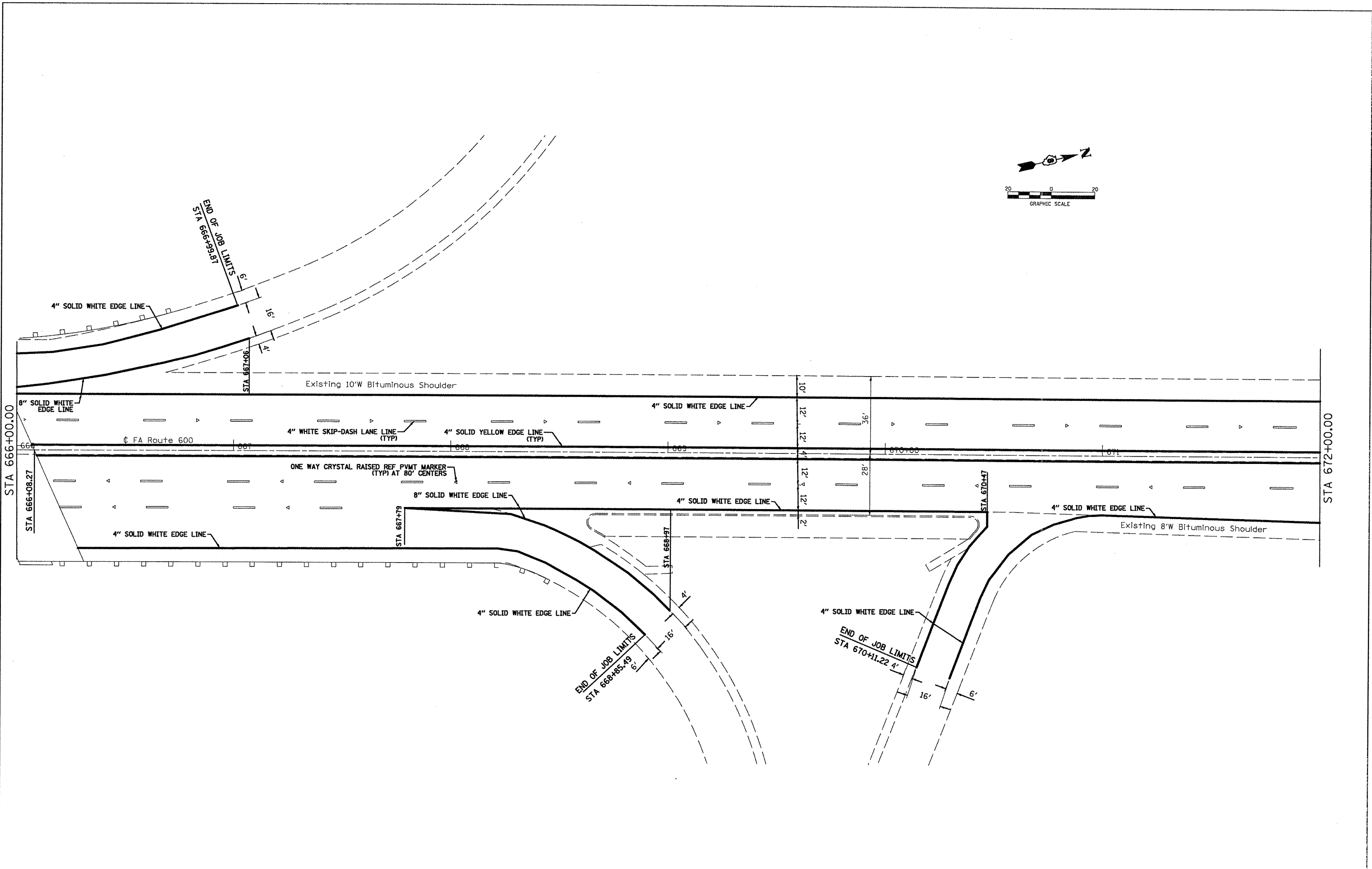




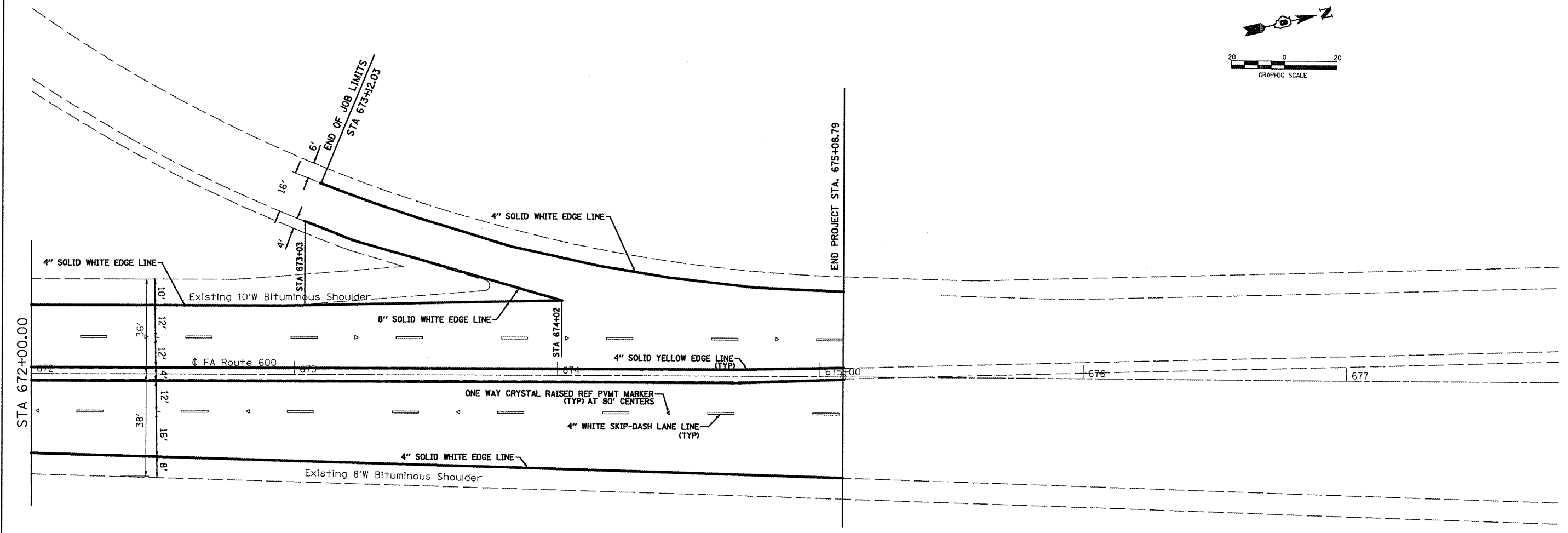
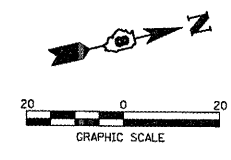
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	PLOT SCALE = #SCALE#	DRAWN - MNR	REVISED -		600	60-(30,31,128)-2	MADISON	42	36			
PLOT DATE = #DATE#	CHECKED - AAA	REVISED -			SCALE: 1" = 20'    SHEET NO. 13 OF 16 SHEETS    STA. 654+00.00 TO STA. 660+00.00			CONTRACT NO. 76B87				
	DATE - MAY 12, 2009	REVISED -			ILLINOIS FED. AID PROJECT							



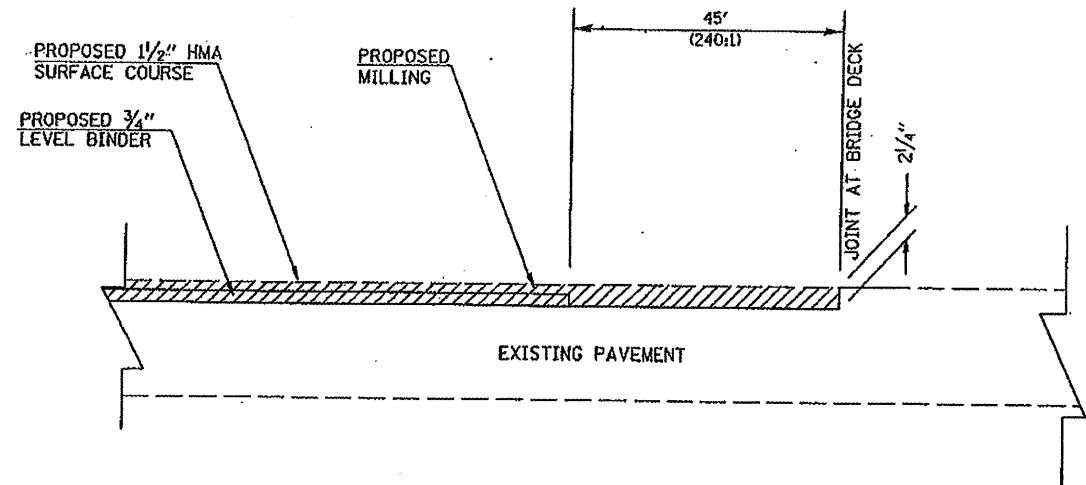
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	PLOT SCALE = #SCALE#	CHECKED - AAA	REVISED -		SCALE: 1" = 20'	SHEET NO. 14 OF 16 SHEETS	STA. 660+00.00 TO STA. 666+00.00	CONTRACT NO. T6B87				
	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -		ILLINOIS FED. AID PROJECT							



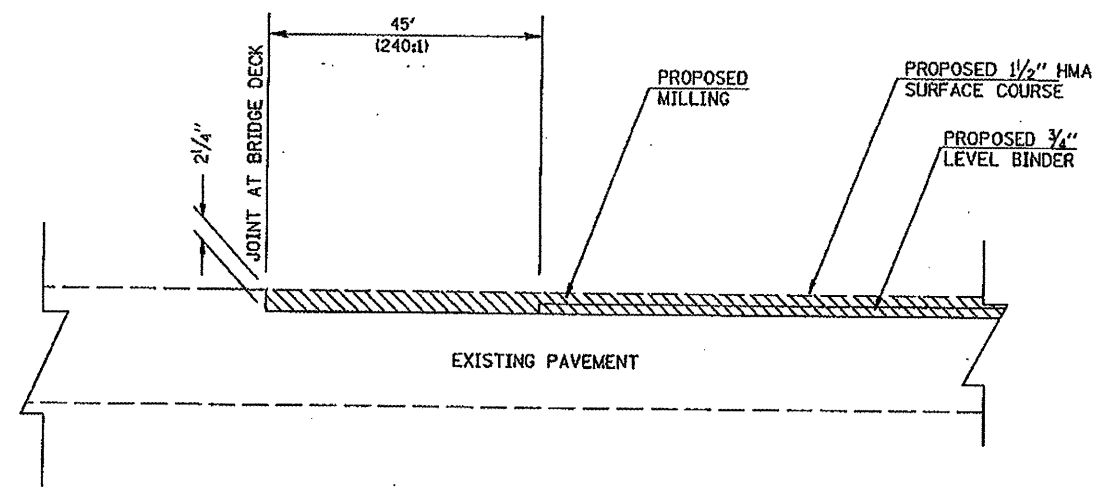
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#FILE#		DRAWN - MNR	REVISED -			600	60-(30,31,128)-2	MADISON	42	38	
	PLOT SCALE = #SCALE#	CHECKED - AAA	REVISED -			CONTRACT NO. 76B87					
	PLOT DATE = #DATE#	DATE - MAY 12, 2009	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: 1" = 20'	SHEET NO. 15 OF 16 SHEETS		STA. 666+00.00 TO STA. 672+00.00			



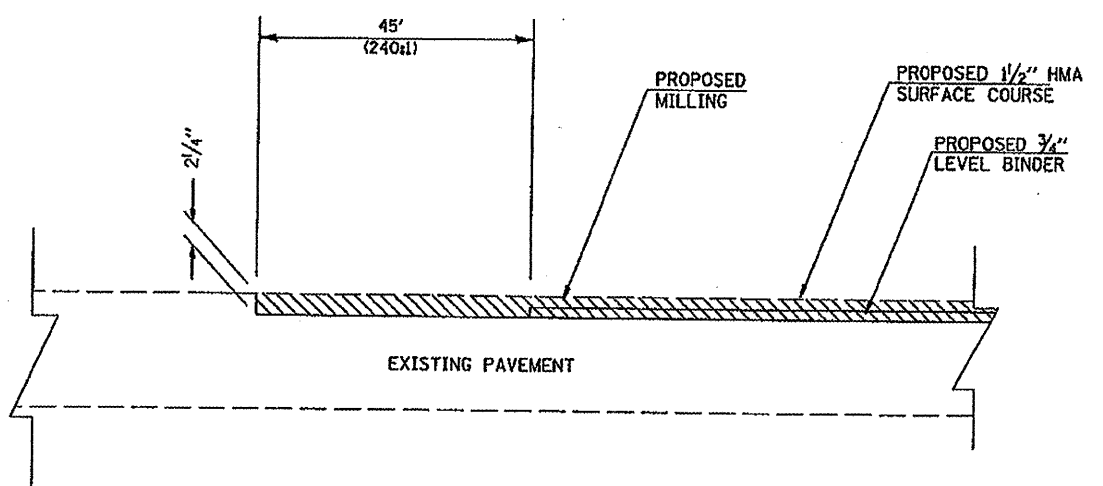
FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - AAB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEETS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - MNR	REVISED -					600	60-(30,31,128)-2	MADISON	42	39
	PLOT DATE = #DATE#	CHECKED - AAA	REVISED -		SCALE: 1" = 20'    SHEET NO. 16 OF 16 SHEETS    STA. 672+00.00 TO STA. 678+00.00			CONTRACT NO. 76B87				
	DATE - MAY 12, 2009	REVISED -	ILLINOIS FED. AID PROJECT									



**BRIDGE OMISSION DETAIL**  
STA 663+16.60



**BRIDGE OMISSION DETAIL**  
STA 666+08.27



**MAINLINE MILLING DETAIL**

- STATIONS FOR RAMPS
- STA 583+46.35      STA 668+95
  - STA 656+08        STA 670+18
  - STA 656+82        STA 673+06
  - STA 662+43        STA 675+08.79
  - STA 667+04

SEE SHEET 5 TEMPORARY RAMP SCHEDULE FOR STATIONS AT MAJOR INTERSECTIONS.

*Rev.*

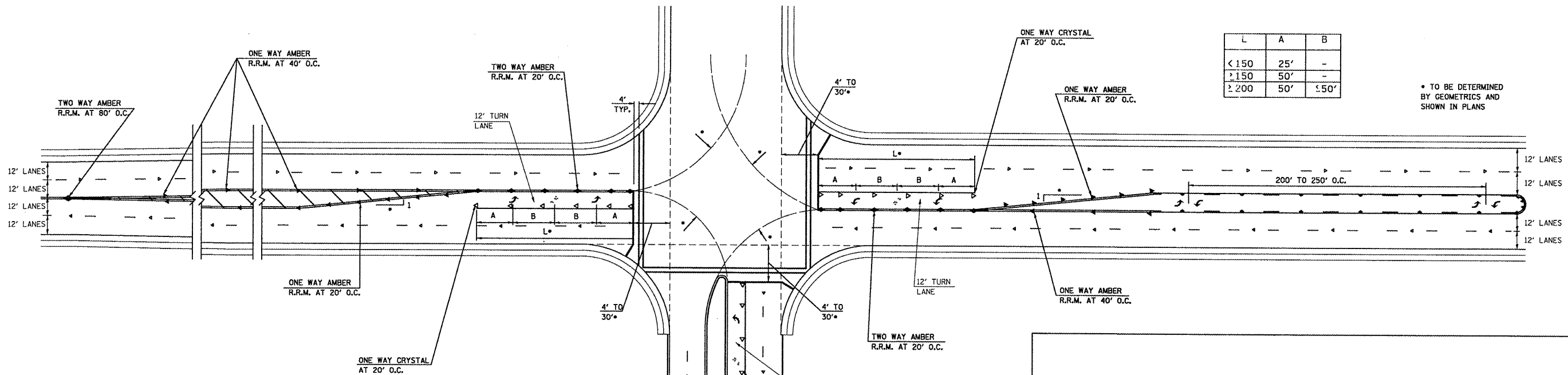
FILE NAME * #FILE#	USER NAME *#USER#	DESIGNED - AAB	REVISED -
		DRAWN - MNR	REVISED -
		CHECKED - AAA	REVISED -
		DATE - MAY 12, 2009	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAIL SHEET</b>	
SCALE:	SHEET NO. 1 OF 3 SHEETS      STA.      TO STA.

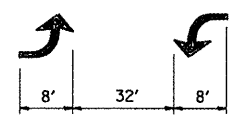
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-2	MADISON	42	40
CONTRACT NO. 76887				
<small>ILLINOIS FED. AID PROJECT</small>				





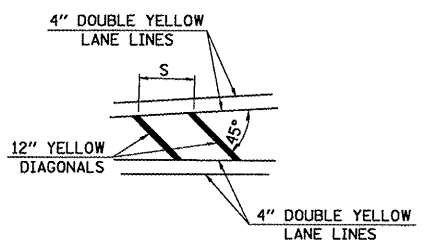
L	A	B
< 150	25'	-
> 150	50'	-
> 200	50'	< 50'

\* TO BE DETERMINED BY GEOMETRICS AND SHOWN IN PLANS

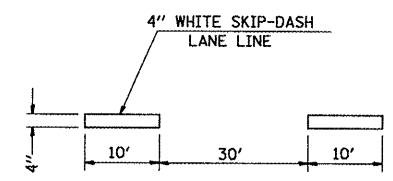


BI-DIRECTIONAL TURN ARROW @ 200' O.C.

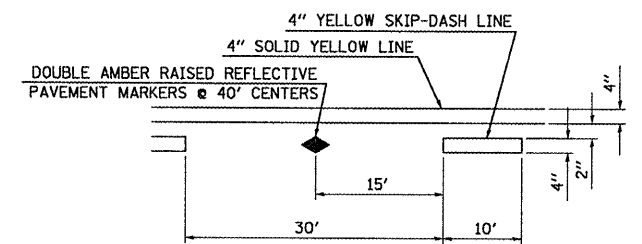
SPEED	CHANNELIZATION & GORES	OBJECTS	CONTINUOUS
< 30 MPH	15'	10'	50'
30-45 MPH	20'	15'	75'
> 45 MPH	30'	20'	150'



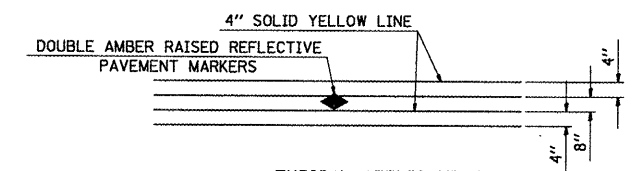
TYPICAL APPLICATION FOR MEDIAN STRIPING



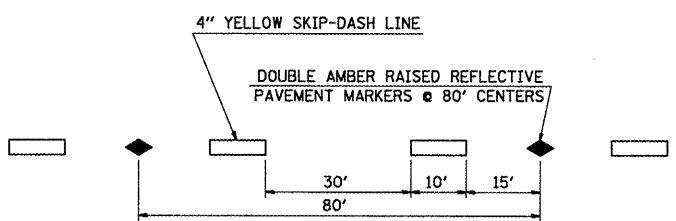
TYPICAL APPLICATION FOR WHITE SKIP-DASH LANE LINES



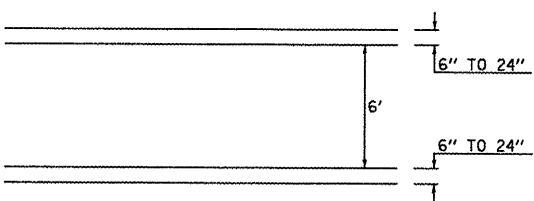
TYPICAL APPLICATION FOR BI-DIRECTIONAL TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR DOUBLE YELLOW LANE LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR YELLOW SKIP-DASH LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR PEDESTRIAN CROSSWALK

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 159 & BELTLINE RD					
LOOP	PHASE	LOOP SIZE	REQUIRED NUMBER OF TURNS	CALCULATED INDUCTANCE MICROHENRIES ( $\mu H$ )	CALCULATED RESISTANCE OHMS ( $\Omega$ )
1	NB CCO A	6	6'x6'	6	295.0
2	NB CCO B	6	6'x6'	6	292.0
3	NB LT CD	1	6'x50' Q	3-6-3	809.9
4	NB THRU CD A	6	6'x50' Q	3-6-3	807.9
5	NB THRU CD B	6	6'x50' Q	3-6-3	803.8
6	WB LT CD	NA	NA	NA	NA
7	WB THRU CD	NA	NA	NA	NA
8	WB RT CD	NA	NA	NA	NA
9	SB CCO A	2	6'x6'	6	312.0
10	SB CCO B	2	6'x6'	6	308.8
11	SB CCO C	2	6'x6'	6	313.6
12	SB CCO D	2	6'x6'	6	311.2
13	SB LT CD	5	6'x50' Q	3-6-3	820.4
14	SB THRU CD A	2	6'x50' Q	3-6-3	818.1
15	SB THRU CD B	2	6'x50' Q	3-6-3	815.4

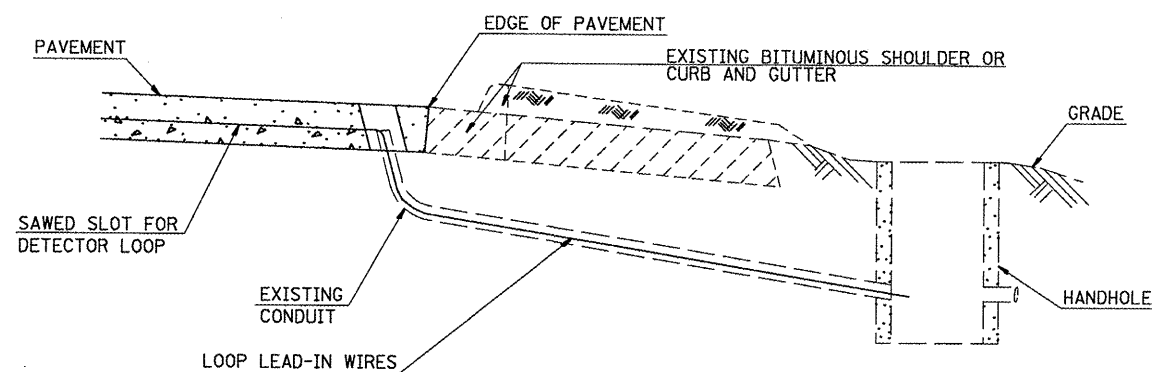
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 159 & CAMELOT DR					
LOOP	PHASE	LOOP SIZE	REQUIRED NUMBER OF TURNS	CALCULATED INDUCTANCE MICROHENRIES ( $\mu H$ )	CALCULATED RESISTANCE OHMS ( $\Omega$ )
1	NB CCO A	6	6'x6'	6	344.4
2	NB CCO B	6	6'x6'	6	341.2
3	NB LT CD	1	6'x50' Q	3-6-3	819.3
4	NB THRU CD A	6	6'x50' Q	3-6-3	816.5
5	NB THRU CD B	6	6'x50' Q	3-6-3	814.2
6	WB THRU CD	NA	NA	NA	NA
7	SB CCO A	2	6'x6'	6	338.4
8	SB CCO B	2	6'x6'	6	335.4
9	SB LT CD	5	6'x50' Q	3-6-3	812.1
10	SB THRU CD A	2	6'x50' Q	3-6-3	809.0
11	SB THRU CD B	2	6'x50' Q	3-6-3	805.7
12	EB LT CD	NA	NA	NA	NA
13	EB THRU CD	NA	NA	NA	NA

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 159 & EAST WEST COUNTRY LN					
LOOP	PHASE	LOOP SIZE	REQUIRED NUMBER OF TURNS	CALCULATED INDUCTANCE MICROHENRIES ( $\mu H$ )	CALCULATED RESISTANCE OHMS ( $\Omega$ )
1	SB CCO A	2	6'x6'	6	319.5
2	SB CCO B	2	6'x6'	6	317.2
3	EB LT CD	5	6'x50' Q	3-6-3	824.0
4	WB THRU CD	NA	NA	NA	NA
5	WB RT CD	NA	NA	NA	NA
6	NB CCO A	6	6'x6'	6	325.3
7	NB CCO B	6	6'x6'	6	322.7
8	NB LT CD	1	6'x50' Q	3-6-3	829.7

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 159 & ST. CHARLES RD					
LOOP	PHASE	LOOP SIZE	REQUIRED NUMBER OF TURNS	CALCULATED INDUCTANCE MICROHENRIES ( $\mu H$ )	CALCULATED RESISTANCE OHMS ( $\Omega$ )
1	NB CCO A	6	6'x6'	6	361.1
2	NB CCO B	6	6'x6'	6	358.3
3	NB LT CD	1	6'x50' Q	2-4-2	449.5
4	NB THRU CD A	6	6'x50' Q	2-4-2	446.7
5	NB THRU CD B	6	6'x50' Q	2-4-2	444.3
6	WB THRU CD	3	6'x50' Q	2-4-2	426.5
7	WB RT CD	3	6'x20'	3-6-3	341.5
8	SB CCO A	2	6'x6'	6	364.0
9	SB CCO B	2	6'x6'	6	361.4
10	SB CCO C	2	6'x6'	6	358.5
11	SB LT CD	5	6'x50' Q	2-4-2	452.2
12	SB THRU CD A	5	6'x50' Q	2-4-2	449.7
13	SB THRU CD B	2	6'x50' Q	2-4-2	447.0
14	EB THRU CD	NA	NA	NA	NA

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 159 & WEST EXIT RAMP					
LOOP	PHASE	LOOP SIZE	REQUIRED NUMBER OF TURNS	CALCULATED INDUCTANCE MICROHENRIES ( $\mu H$ )	CALCULATED RESISTANCE OHMS ( $\Omega$ )
1	NB CCO A	2	6'x6'	6	360.0
2	NB CCO B	2	6'x6'	6	358.0
3	NB THRU CD A	2	6'x50' Q	3-6-3	812.0
4	NB THRU CD B	2	6'x50' Q	3-6-3	810.0
5	WB RT CD	4	6'x50' Q	3-6-3	825.0

THE VALUES CALCULATED ON THIS SHEET ARE CALCULATED OF COMBINED LOOP AND LEED-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN  $\pm 20\%$  OF THESE VALUES.



### DETAIL A DETECTOR LOOP REPLACEMENT DETAIL

- (NO SCALE)  
INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT
- 1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
  - 2 REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE.
  - 3 INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
  - 4 SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE.
  - 5 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
  - 6 LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

#### ABBREVIATIONS

CD CALL DELAY  
CCO CALL CARRY OVER  
Q QUADRAPOLE