

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

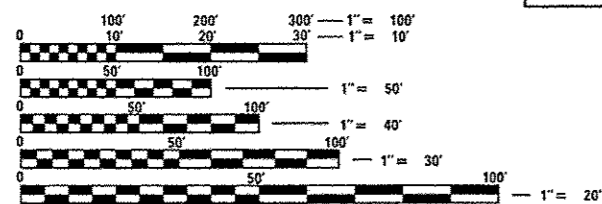
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 594 (ILLINOIS ROUTE 203)
SECTION (X-3,X-2)RS-1
PROJECT NO. ACNHPP-0594(007)
MADISON COUNTY

RESURFACING AND PATCHING OF ILLINOIS ROUTE 203 FROM SOUTH OF
MADISON AVENUE IN GRANITE CITY TO SOUTH OF INTERSTATE 270

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 76G24	

FOR INDEX OF SHEETS, SEE SHEET NO. 2



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.

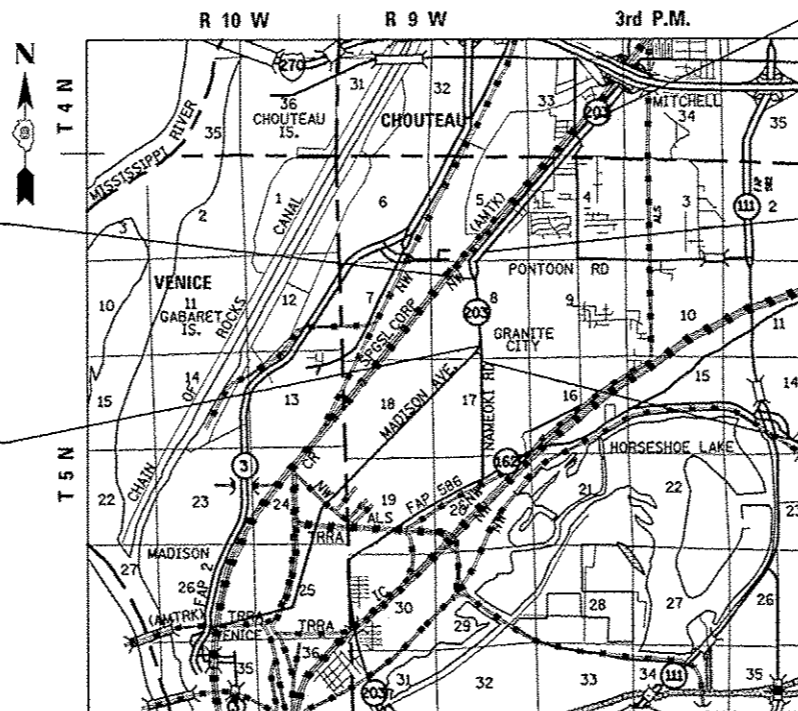
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER - PATTI LEBEAU 618-346-3179
SQUAD LEADER - BILLIE OWEN 618-346-3209

CONTRACT NO. 76G24

DESIGN DESIGNATION
IL ROUTE 203 OTHER PRINCIPAL ARTERIAL
ADT: SEE AVERAGE DAILY TRAFFIC DATA SHEET

C-98-025-13



STATION EQUATION
STA 116+34.24 BK=STA 510+14.01 AH, 2.31' RT

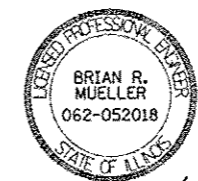
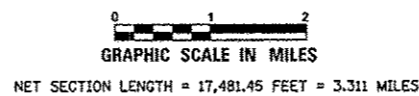
STATION EQUATION
STA 72+36.50 BK=STA 72+34.91 AH, 2.00' RT

END SECTION (X-3,X-2)RS-1
STA 184+08
LATITUDE: 38.7576
LONGITUDE: -90.0960

STATION EQUATION
STA 517+89.66 BK=STA 63+78.03 AH

BEGIN SECTION (X-3,X-2)RS-1
STA 69+60
LATITUDE: 38.7177
LONGITUDE: -90.1226

LOCATION MAP
GRANITE CITY AND CHOUTEAU TOWNSHIPS



Brian R. Mueller 05-07-2014
ILLINOIS PROFESSIONAL ENGINEER NO. 062-052018 DATE
EXP. 11-30-2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

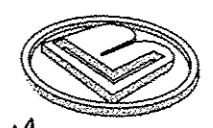
SUBMITTED *May 8* 20 *14*

Jeffrey Z. Kamras
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

John D. Baranzelli P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

June 27 20 *14*

Omer Osman P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



BERNARDIN * LOCHMUELLER
3 OAK DRIVE
MARYVILLE, ILLINOIS 62062
PHONE (618) 288-4665
FAX (618) 288-4666

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY ALSO BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-J.U.L.I.E. MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- | | |
|---|------------------|
| •AMEREN ILLINOIS | GAS AND ELECTRIC |
| •AT&T ILLINOIS | COMMUNICATIONS |
| •CENTERPOINT ENERGY | PIPELINE |
| •CHARTER COMMUNICATIONS, INC. | CABLE TV |
| •CITY OF GRANITE CITY | SANITARY SEWER |
| •ILLINOIS AMERICAN WATER COMPANY | WATER |
| •LEVEL 3 COMMUNICATIONS, LLC | COMMUNICATIONS |
| •VERIZON BUSINESS | COMMUNICATIONS |
| •MADISON COUNTY SPECIAL SERVICE AREA #1 | SANITARY SEWER |
| •MITCHELL PUBLIC WATER DISTRICT | WATER |
| •ZAYO GROUP | COMMUNICATIONS |
| •ERICSSON, INC. | COMMUNICATIONS |

MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY *

NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

2. PORTIONS OF THE PLANS WERE DEVELOPED FROM OFFICE RECORDS. THE TYPICAL SECTIONS REFLECT THE BEST INFORMATION AVAILABLE WITH REGARD TO EXISTING PAVEMENT COMPOSITION. REMOVAL ITEMS AND QUANTITIES HAVE BEEN BASED ON THIS DATA. THE CONTRACTOR SHALL VERIFY EDGES OR LIMITS OF REMOVAL ITEMS PRIOR TO THE ACTUAL WORK BEING PERFORMED. THE CONTRACTOR IS ADVISED THAT TOPOGRAPHIC FEATURES AND ENTRANCES MAY EXIST THAT ARE NOT PRESENTED ON THESE PLANS.
3. ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLANS 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.
4. ANY EXCAVATION OR OPEN PITS ADJACENT TO THE EDGE OF PAVEMENTS SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTS.
5. DELETED
6. ACCESS SHALL BE MAINTAINED TO PUBLIC, PRIVATE AND COMMERCIAL PROPERTIES AT ALL TIMES.
7. THE EXISTING ROADWAY SURFACE WITHIN THE RESURFACING LIMITS OF THIS PROJECT IS ASPHALT. IT SHALL BE NOTED THAT ISOLATED LOCATIONS OF CONCRETE SURFACE ARE PRESENT AND SHALL ALSO BE INCLUDED IN HOT-MIX ASPHALT SURFACE REMOVAL OPERATIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CONCRETE AREAS.
8. THE MILLING THICKNESS SHOWN ARE THE NOMINAL THICKNESS. DEVIATION FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO THE IRREGULARITIES IN THE EXISTING SURFACE.
9. ROAD CONSTRUCTION AHEAD SIGNS SHALL BE PLACED AT INTERSECTIONS, ENTRANCES AND SIDE STREETS WHERE WORK IS BEING CONDUCTED AS DIRECTED BY THE RESIDENT ENGINEER. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE. THIS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION. THESE SIGNS SHALL BE 48" X 48".
10. THE USE OF A VIBRATORY ROLLER TO ACHIEVE THE REQUIRED DENSITY WILL NOT BE PERMITTED WITHIN THE CORPORATE LIMITS OF THE CITY OF GRANITE CITY.
11. SHOULDER WIDENING FOR THE TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT SHALL BE INCLUDED IN THE UNIT PRICE OF THE TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT OR REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL, TANGENT AND CONSTRUCTED ACCORDING TO STANDARD 630301.
12. ANY EARTHWORK REQUIRED FOR THIS PROJECT SHALL BE INCLUDED IN THE COST OF THE OTHER ITEMS OF WORK.
13. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
14. ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED WITH CLASS 1 SEEDING AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04 OF THE STANDARD SPECIFICATIONS. ANY SEEDING REQUIRED OUTSIDE THE CONSTRUCTION LIMITS FOR THIS CONTRACT SECTION WILL NOT BE PAID FOR SEPARATELY AND CONSIDERED AS A CONTRACTOR'S EXPENSE.
15. 0.25 ACRE OF SEEDING, CLASS 1 AND MULCH METHOD 1, 23 POUNDS OF NITROGEN, PHOSPHORUS AND POTASSIUM FERTILIZER NUTRIENTS, AND 25 POUNDS OF TEMPORARY EROSION CONTROL SEEDING HAVE BEEN PROVIDED FOR AREA DISTURBED DURING SIDEWALK CONSTRUCTION.
16. HORIZONTAL AND VERTICAL CONTROL ARE SHOWN ON CURB RAMP DETAIL SHEETS.
17. THE EXISTING DAMAGED INLET AT STATION 70+89 SHALL BE RECONSTRUCTED WITH A NEW TYPE 3 FRAME AND GRATE.

COMMITMENTS

NONE

MIXTURE REQUIREMENTS - PROJECT	
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT	
LOCATION (S)	FAP ROUTE 594 (IL ROUTE 203)
MIXTURE USE	SURFACE COURSE
AC/PG	PG 64-22
RAP % (MAX)	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Nd00=70
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5
FRICTION AGGREGATE	MIXTURE "D"

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

INDEX OF SHEETS

- | | |
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STANDARDS

- | | |
|-----------|---|
| 420001-07 | PAVEMENT JOINTS |
| 424001-07 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 424006-01 | DIAGONAL CURB RAMPS FOR SIDEWALKS |
| 424011-01 | CORNER PARALLEL CURB RAMPS FOR SIDEWALKS |
| 424016-01 | MID-BLOCK CURB RAMPS FOR SIDEWALKS |
| 424021-02 | DEPRESSED CORNER FOR SIDEWALKS |
| 424031-01 | MEDIAN PEDESTRIAN CROSSINGS |
| 442101-07 | CLASS B PATCHES |
| 604006-04 | FRAME AND GRATE, TYPE 3 |
| 606001-05 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 630001-10 | STEEL PLATE BEAM GUARDRAIL |
| 630301-06 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS |
| 631011-09 | TRAFFIC BARRIER TERMINAL, TYPE 2 |
| 635006-03 | REFLECTOR AND TERMINAL MARKER PLACEMENT |
| 635011-02 | REFLECTOR MARKER AND MOUNTING DETAILS |
| 701421-06 | LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH |
| 701422-06 | LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH |
| 701426-06 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH |
| 701427-02 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS < 40 MPH |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN |
| 701602-07 | URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE |
| 701701-09 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-05 | LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE |
| 701901-03 | TRAFFIC CONTROL DEVICES |
| 780001-04 | TYPICAL PAVEMENT MARKINGS |
| 781001-03 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS |
| 782001 | PRISMATIC CURB REFLECTORS |
| 814001-02 | HANDHOLES |
| 814006-02 | DOUBLE HANDHOLES |
| 876001-03 | PEDESTRIAN PUSH BUTTON POST |
| 886001-01 | DETECTOR LOOP INSTALLATIONS |
| 886006-01 | TYPICAL LAYOUT FOR DETECTOR LOOPS |
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |

FILE NAME : 21/Project/1459-0029-1/14_203_Plan/1459-0029-1.dwg	USER NAME : betsy	DESIGNED - ESW	REVISED - 5-30-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, STANDARDS, INDEX OF SHEETS	F.A.P. RTE. 594	SECTION (X-3,X-2)RS-1	COUNTY MADISON	TOTAL SHEETS 52	SHEET NO. 2
PLT01 SCALE : 40,0000 ' / 1"	CHECKED - JWS	REVISOR -	SCALE:			SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
PLT DATE : 6/9/2014	DATE - 4-15-14	REVISOR -	CONTRACT NO. 76G24							



2013 ADT = 12300 (ACTUAL)
 2015 ADT = 12550 (ESTIMATED)
 2035 ADT = 15300 (ESTIMATED)
 SU = 1.6% MU = 1.0%

2011 ADT = 15500 (ACTUAL)
 2015 ADT = 16100 (ESTIMATED)
 2035 ADT = 19600 (ESTIMATED)
 SU = 3.5% MU = 1.0%

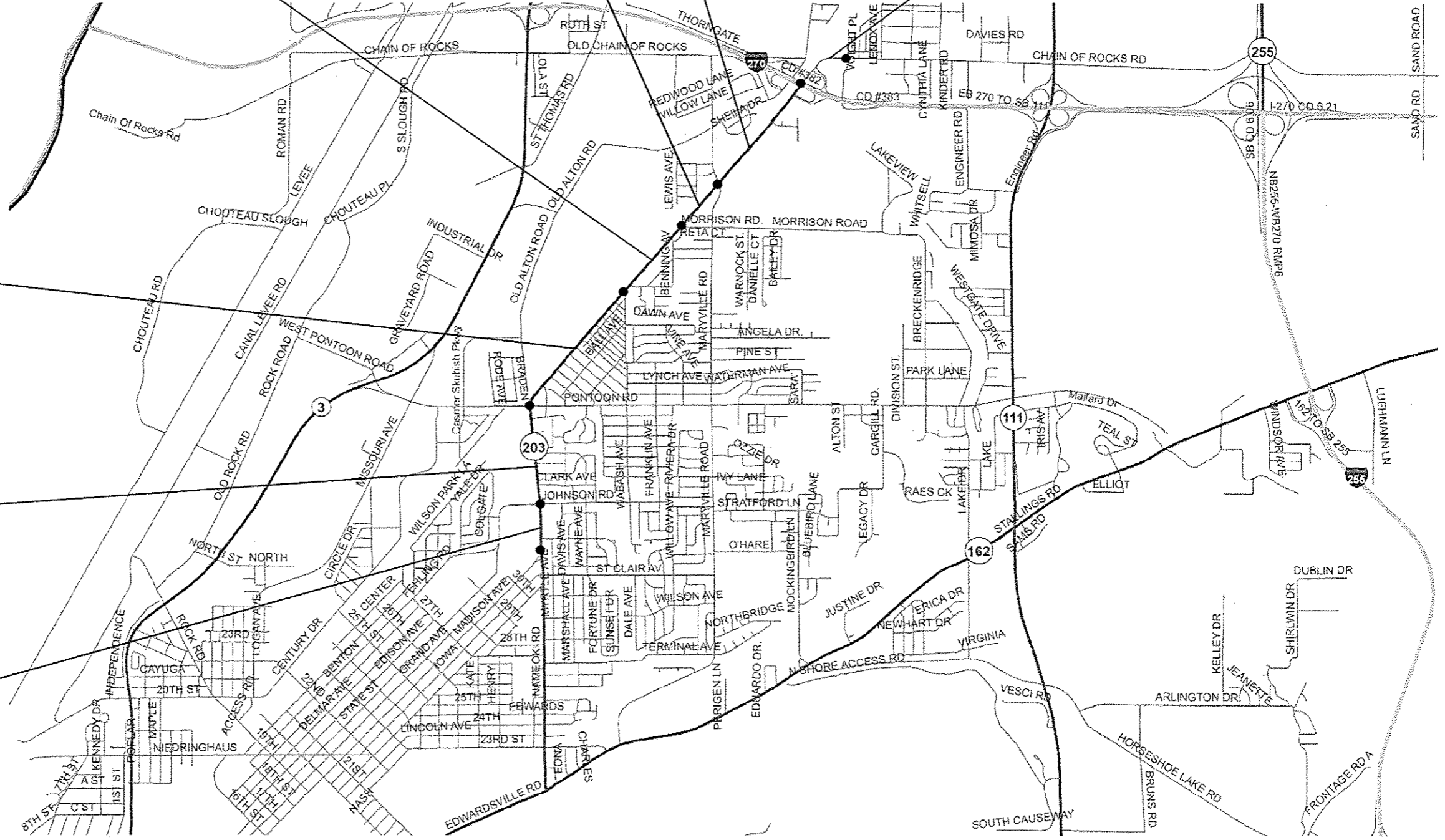
2012 ADT = 5700 (ACTUAL)
 2015 ADT = 5900 (ESTIMATED)
 2035 ADT = 7200 (ESTIMATED)
 SU = 3.5% MU = 1.0%

2013 ADT = 13200 (ACTUAL)
 2015 ADT = 13450 (ESTIMATED)
 2035 ADT = 16400 (ESTIMATED)
 SU = 1.5% MU = 0.9%

2013 ADT = 13600 (ACTUAL)
 2015 ADT = 13850 (ESTIMATED)
 2035 ADT = 16900 (ESTIMATED)
 SU = 1.5% MU = 0.9%

2013 ADT = 22000 (ACTUAL)
 2015 ADT = 22900 (ESTIMATED)
 2035 ADT = 27900 (ESTIMATED)
 SU = 3.5% MU = 0.8%

2013 ADT = 20700 (ACTUAL)
 2015 ADT = 21500 (ESTIMATED)
 2035 ADT = 26300 (ESTIMATED)
 SU = 3.5% MU = 0.7%



FILE NAME =	USER NAME = bethu	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AVERAGE DAILY TRAFFIC DATA			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILES =	PLOT SCALE = 1/8" = 2000' / 1"	DRAWN -	REVISED -		SCALE: 1" = 4000'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	594	0X-3X-2RS-1	MADISON	52	3
	PLOT DATE = 5/6/2014	CHECKED -	REVISED -						CONTRACT NO. T6G24				
		DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY
				80% FEDERAL 20% STATE
				0005
				URBAN
25000100	SEEDING, CLASS 1	ACRE	0.25	0.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	23
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23
25100105	MULCH, METHOD 1	ACRE	0.25	0.25
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25	25
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	11.7	11.7
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	16800	16800
40600300	AGGREGATE (PRIME COAT)	TON	56	56
40600990	TEMPORARY RAMP	SQ YD	1471	1471
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4736	4736
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1157	1157
42400800	DETECTABLE WARNINGS	SQ FT	187	187
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	33910	33910
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	3423	3423

FILE NAME =	USER NAME = chellondesko	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
01\pe_work\psidot\chellondesko\08332000	0876024-sht-500.dgn	DRAWN -	REVISED -		SCALE: N/A	SHEET	OF	SHEETS	STA.	TO STA.	604	01-3, X-2RS-1	MADISON	52	4
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -												
	PLOT DATE = 5/9/2014	DATE -	REVISED -												
												CONTRACT NO. 76624			
ILLINOIS FED. AID PROJECT															

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY 0005 URBAN
44000300	CURB REMOVAL	FOOT	127	127
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	101	101
44000600	SIDEWALK REMOVAL	SQ FT	930	930
44003100	MEDIAN REMOVAL	SQ FT	91	91
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	1365	1365
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	38	38
44201299	DOWEL BARS 1 1/2"	EACH	3335	3335
44213100	PAVEMENT FABRIC	SQ YD	38	38
44213200	SAW CUTS	FOOT	10275	10275
44213204	TIE BARS 3/4"	EACH	15	15
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	12601	12601
60263100	INLETS TO BE RECONSTRUCTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	1	1
60600605	CONCRETE CURB, TYPE B	FOOT	118	118
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	29	29

FILE NAME =	USER NAME = challandaska	DESIGNED -	REVISED -
0:\p\work\p\dot\challandaska\08332003	0876624-ah-500.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 5/9/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(X-3, X-2)RS-1	MADISON	52	5
SCALE: N/A			SHEET OF SHEETS	STA. TO STA.
ILLINOIS FED. AID PROJECT CONTRACT NO. 76624				

CONSTR. CODE
 80% FEDERAL
 20% STATE
 ROADWAY
 0005
 URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	73	73
60608300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	27	27
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	162.5	162.5
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1
70100315	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	EACH	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	6	6
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5867	5867

* SPECIALTY ITEMS

FILE NAME =	USER NAME = ghallandesko	DESIGNED -	REVISED -
o:\p\work\p\p\ghallandesko\08332083	0876024-shl-500.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100,0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 5/9/2014	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	IX-3, X-2IRS-1	MADISON	52	6
SCALE: N/A			CONTRACT NO. 76624	
SHEET OF SHEETS		STA. TO STA.		
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FEDERAL	20% STATE
				ROADWAY	
				0005	
				URBAN	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	812	812	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	27728	27728	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	632	632	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	875	875	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	11896	11896	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	812	812	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	27728	27728	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	632	632	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	875	875	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	381	381	
* 78200300	PRISMATIC CURB REFLECTOR	EACH	30	30	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	8	8	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	137	137	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	381	381	

15 * SPECIALTY ITEMS

FILE NAME =	USER NAME = ehollandaka	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
o:\pvc\work\pvidot\ehollandaka\0332803	0876G24-akt-500.dgn	DRAWN -	REVISED -		604	(X-3, X-2)RS-1	MADISON	52	7				
	PLOT SCALE = 1/8" = 100.0000' / 1"	CHECKED -	REVISED -		SCALE: N/A				SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 76G24		
	PLOT DATE = 5/9/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				85% FEDERAL	20% STATE
				ROADWAY	
				0005	
				URBAN	
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	100	100	
* 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA	FOOT	32	32	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1903	1903	
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	9	9	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	122	122	
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
* 89502376	REBUILD EXISTING HANDHOLE	EACH	1	1	
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	27	27	
X4404000	PARKING LOT PAVEMENT REMOVAL	SO YD	8	8	
X6320100	GUARDRAIL REMOVAL SPECIAL	FOOT	1141	1141	
* X6330103	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL, TANGENT	EACH	2	2	
* X7800200	PAINT PAVEMENT MARKING CURB	FOOT	312	312	
* X8950205	REBUILD EXISTING HANDHOLE, SPECIAL	EACH	1	1	
* 87300215	ELECTRIC CABLE IN TRENCH, SIGNAL, NO 14 2C	FOOT	132	132	
* 87601100	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE 1	EACH	3	3	
* 87900200	DRILL EXISTING HANDHOLE	EACH	3	3	
* 89522350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	276	276	
φ Z0076600	TRAINEES	HOOR	1500	1500	
φ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOOR	1500	1500	

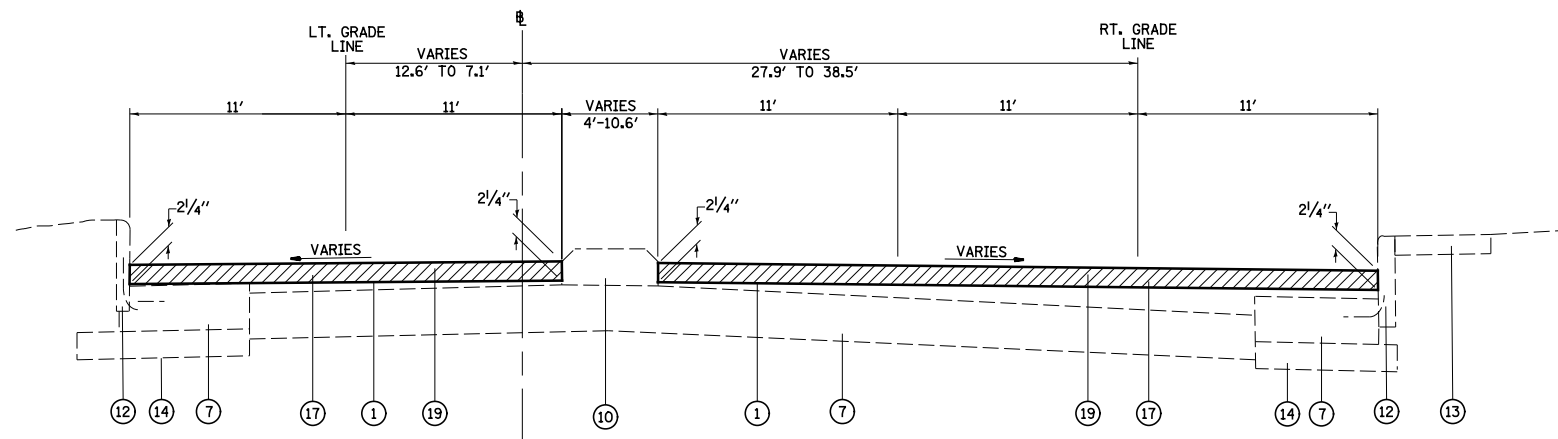
* SPECIALTY ITEMS φ 0042

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	PLOT SCALE = 100.0000 ' / in	CHECKED -	REVISED -
	PLOT DATE = 5/9/2014	DATE -	REVISED -

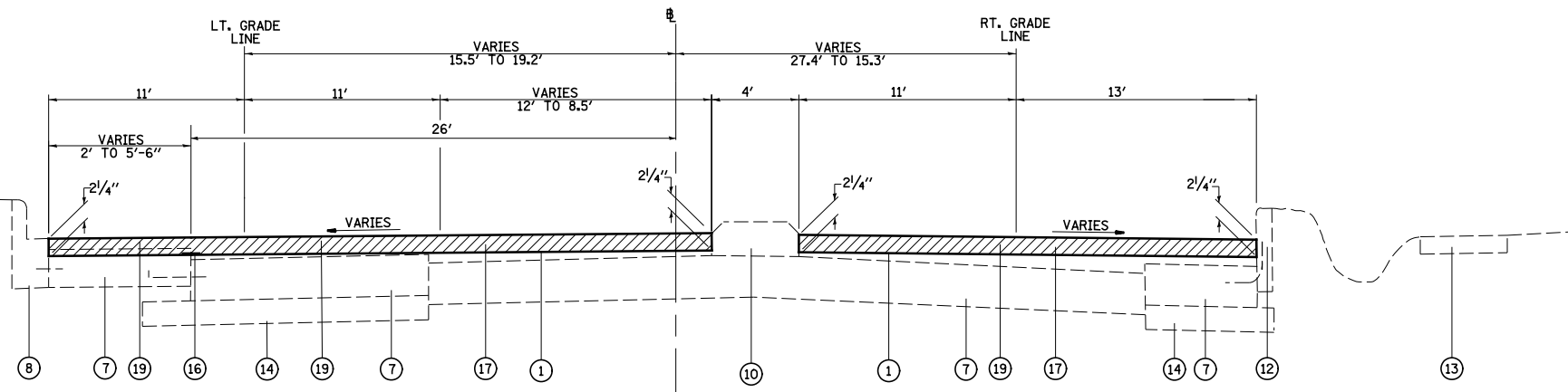
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
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	STA.	TO	STA.

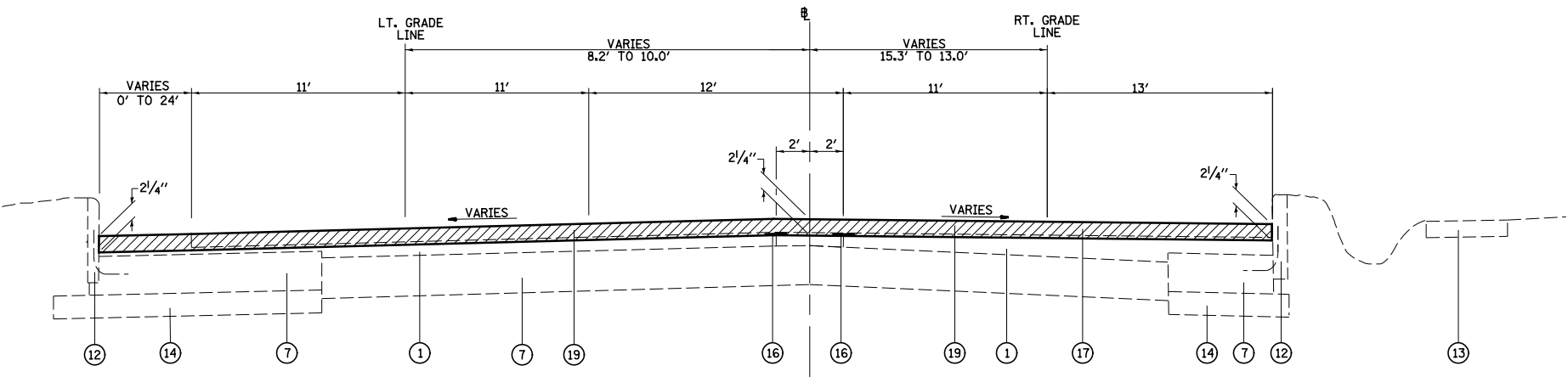
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	IX-3, X-2IRS-1	MADISON	52	8
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION
STA. 69+60 TO STA. 72+00



TYPICAL SECTION
STA. 72+00 TO STA. 73+60
STA EQUATION: STA 72+34.50 BK = STA 72+34.91 AH



TYPICAL SECTION
STA. 73+60 TO STA. 76+89

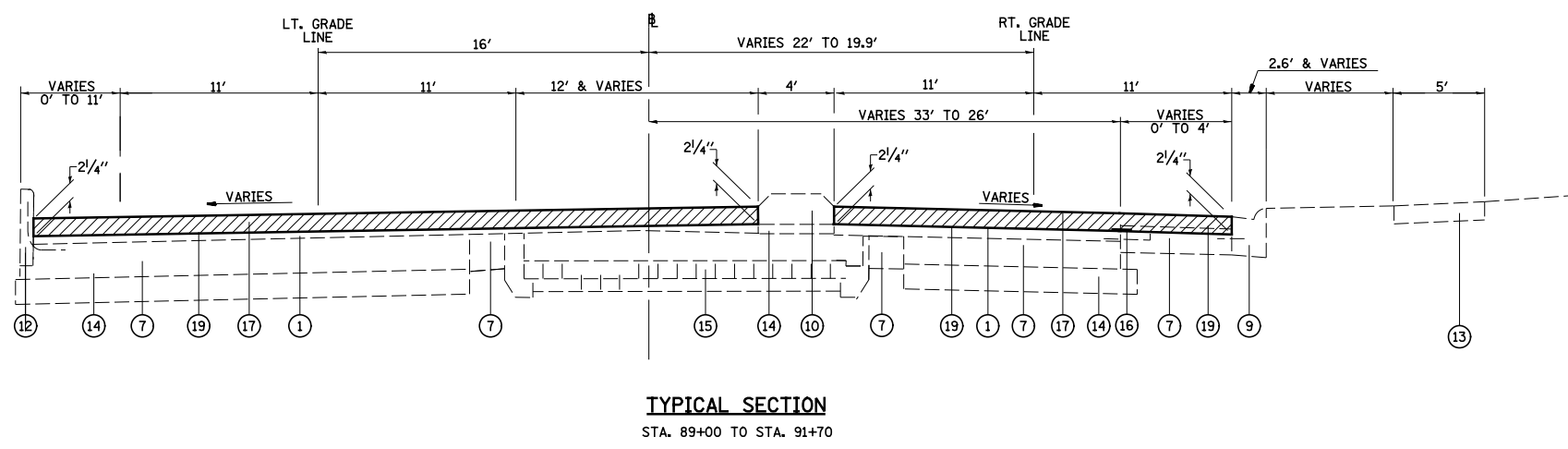
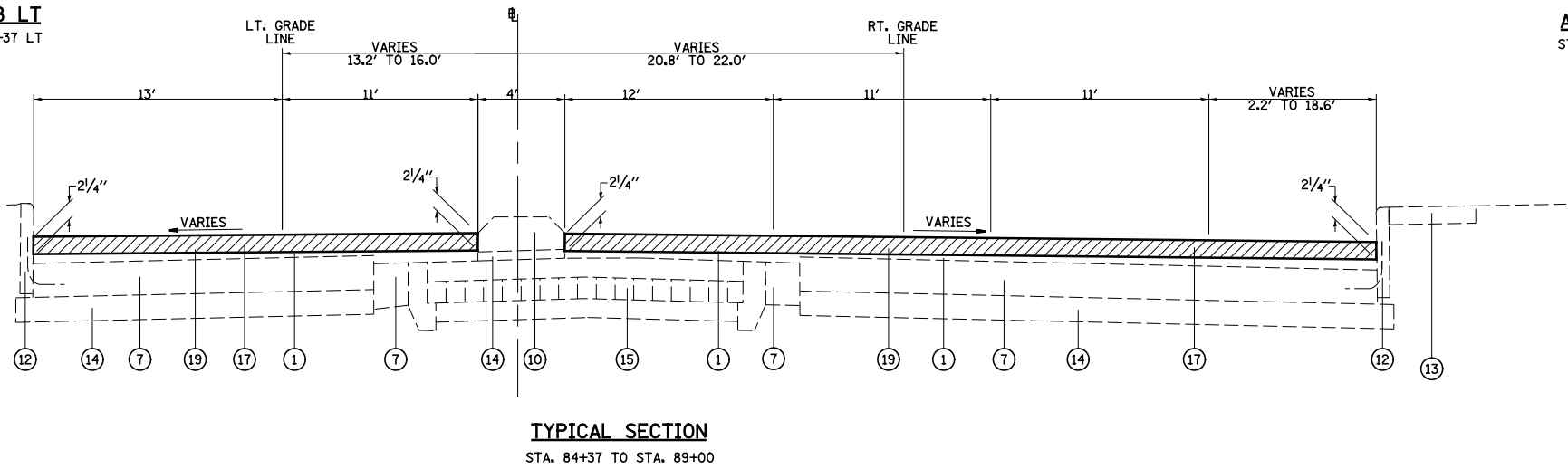
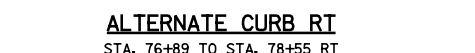
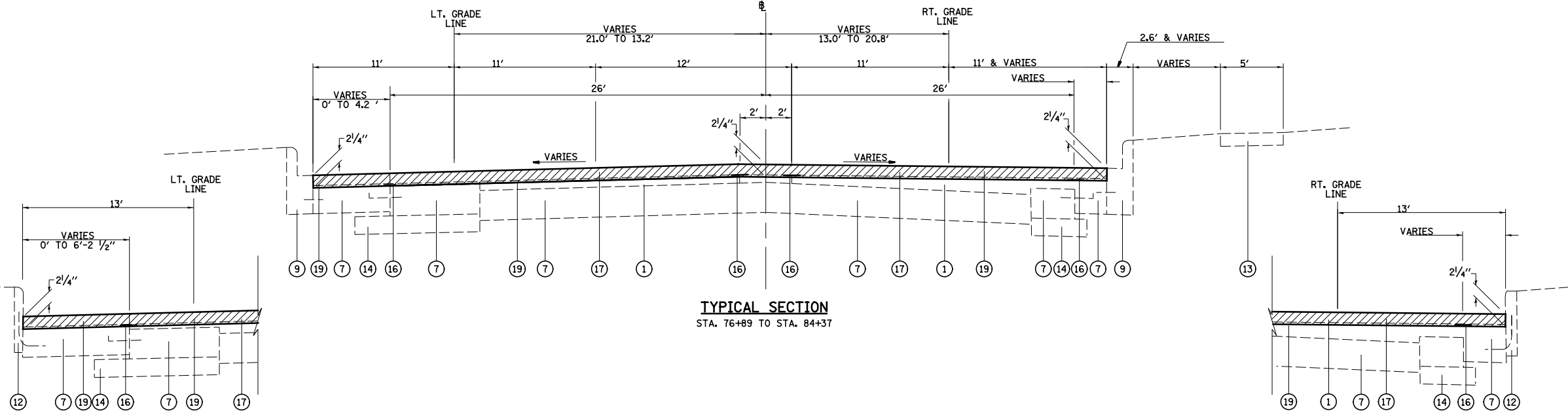
LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE, 3" AND VARIES
- ② EXISTING CONCRETE PAVEMENT, 10"
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING SHOULDER, 10"
- ⑤ EXISTING CONCRETE CURB AND GUTTER, TYPE M-6.12
- ⑥ EXISTING HMA BASE COURSE, 14"
- ⑦ EXISTING PCC BASE COURSE, 9"
- ⑧ EXISTING CONCRETE CURB AND GUTTER, TYPE B-9.24
- ⑨ EXISTING CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑩ EXISTING CONCRETE MEDIAN
- ⑪ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑫ EXISTING CONCRETE CURB
- ⑬ EXISTING CONCRETE SIDEWALK
- ⑭ EXISTING SUB-BASE GRANULAR MATERIAL
- ⑮ EXISTING BRICK PAVEMENT
- ⑯ STRIP REFLECTIVE CRACK CONTROL
- ⑰ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, VARIES 2/4" TO 2/2"
- ⑱ HOT-MIX ASPHALT SURFACE REMOVAL, 2/2"
- ⑲ HOT-MIX ASPHALT SURFACE REMOVAL, 2/4"
- ▨ HOT-MIX ASPHALT SURFACE REMOVAL, VARIES 2/4" TO 2/2"

GENERAL NOTES FOR TYPICAL SECTIONS

1. LEGEND ITEMS IDENTIFY EXISTING AND PROPOSED STRUCTURE COMPONENTS. THE EXACT LIMITS OF PROPOSED WORK WITHIN A GIVEN TYPICAL SECTION ARE SHOWN ELSEWHERE IN THE PLANS.
2. AFTER THE HOT-MIX ASPHALT SURFACE REMOVAL HAS BEEN COMPLETED, THE LOCATION AND QUANTITY OF STRIP REFLECTIVE CRACK CONTROL TREATMENT CAN BE ADJUSTED BY THE ENGINEER, FOR ANY VISIBLE LONGITUDINAL JOINTS NOT SHOWN ON THE TYPICAL SECTIONS.

FILE NAME = S:\Projects\409-0028-ZHY IL 203 3P\dgn\CADD Sheets\076624-sh1-typicals.dgn	USER NAME = betsy	DESIGNED - ESW	REVISED - 5-30-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE. = 594	SECTION = (X-3,X-2)RS-1	COUNTY = MADISON	TOTAL SHEETS = 52	SHEET NO. = 9
	PLOT SCALE = 48.000' / in.	CHECKED - JWS	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 76G24				
PLOT DATE = 6/5/2014	DATE - 3-22-14	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



LEGEND

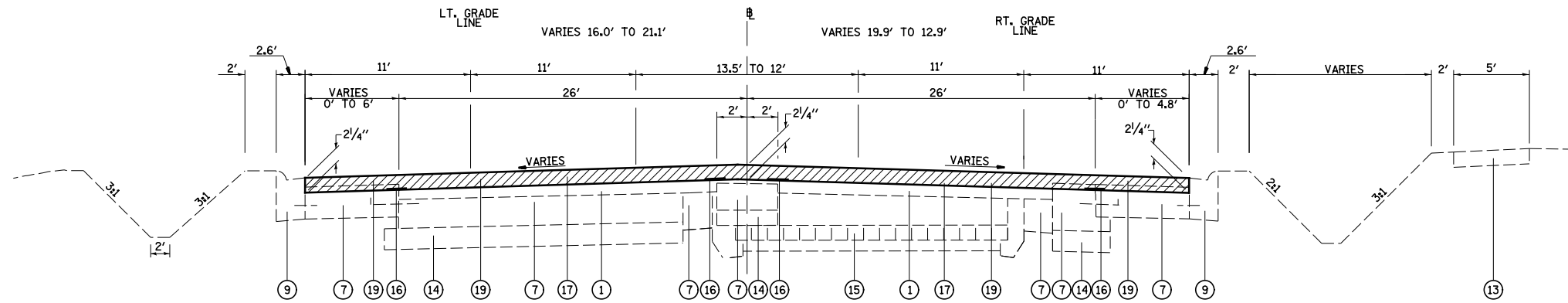
- ① EXISTING HOT-MIX ASPHALT SURFACE, 3" AND VARIES
- ② EXISTING CONCRETE PAVEMENT, 10"
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING SHOULDER, 10"
- ⑤ EXISTING CONCRETE CURB AND GUTTER, TYPE M-6.12
- ⑥ EXISTING HMA BASE COURSE, 14"
- ⑦ EXISTING PCC BASE COURSE, 9"
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- ⑫ EXISTING CONCRETE CURB
- ⑬ EXISTING CONCRETE SIDEWALK
- ⑭ EXISTING SUB-BASE GRANULAR MATERIAL
- ⑮ EXISTING BRICK PAVEMENT
- ⑯ STRIP REFLECTIVE CRACK CONTROL
- ⑰ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, VARIES 2 1/4" TO 2 1/2"
- ⑱ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑲ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ▨ HOT-MIX ASPHALT SURFACE REMOVAL, VARIES 2 1/4" TO 2 1/2"

FILE NAME =	USER NAME = betsy	DESIGNED - ESW	REVISED - 5-30-14
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		CHECKED - JWS	REVISED -
		DATE - 3-22-14	REVISED -

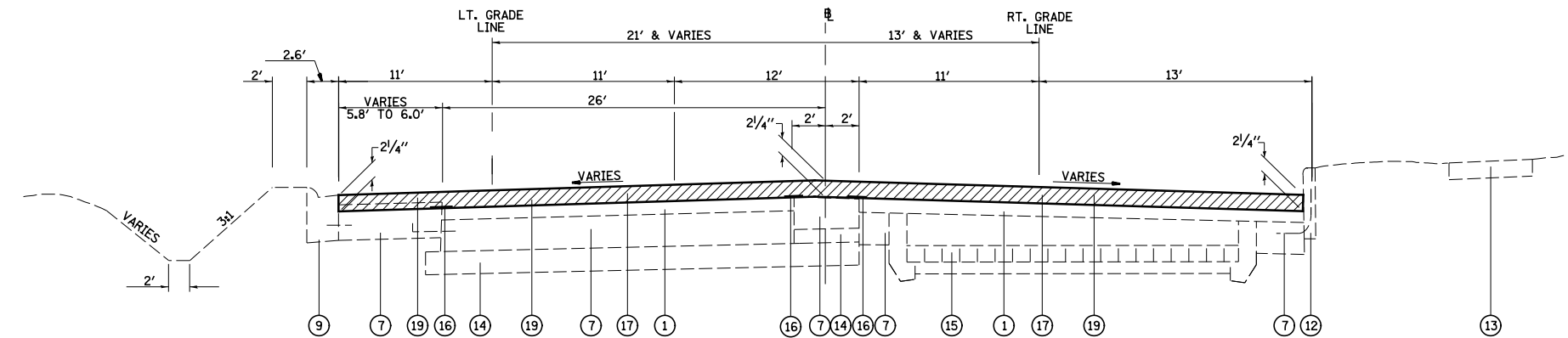
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE: 1"=20'	SHEET NO. 2 OF 6 SHEETS
STA.	TO STA.

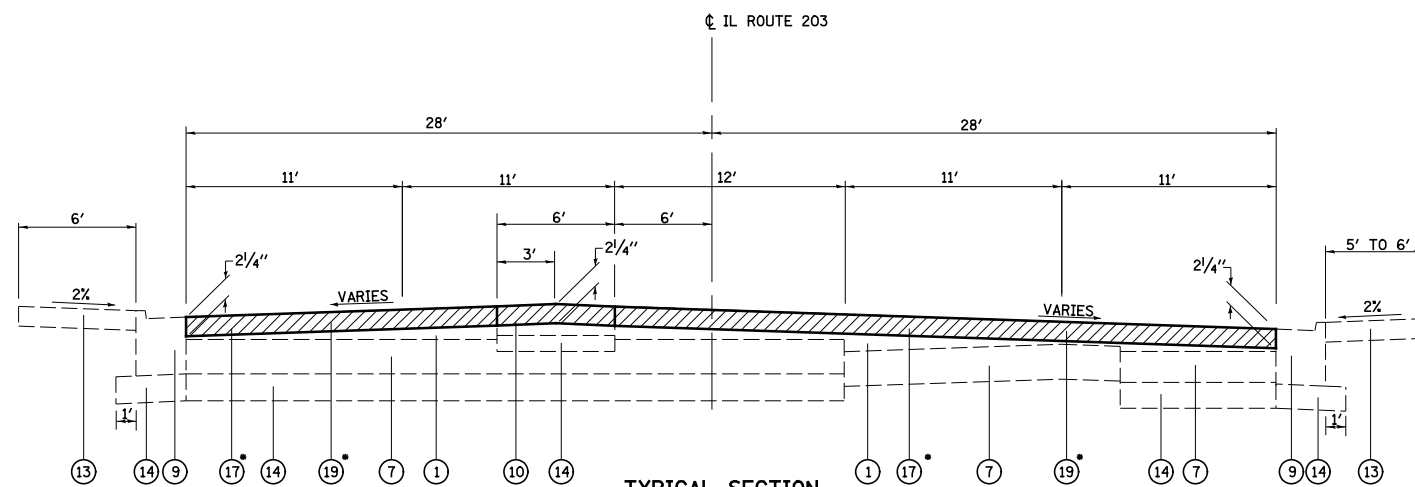
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	10
CONTRACT NO. 76G24				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



TYPICAL SECTION
STA. 91+70 TO STA. 94+60



TYPICAL SECTION
STA. 94+60 TO STA. 511+62.64
STA EQUATION: STA 116+34.24 BK = STA 510+14.01 AH



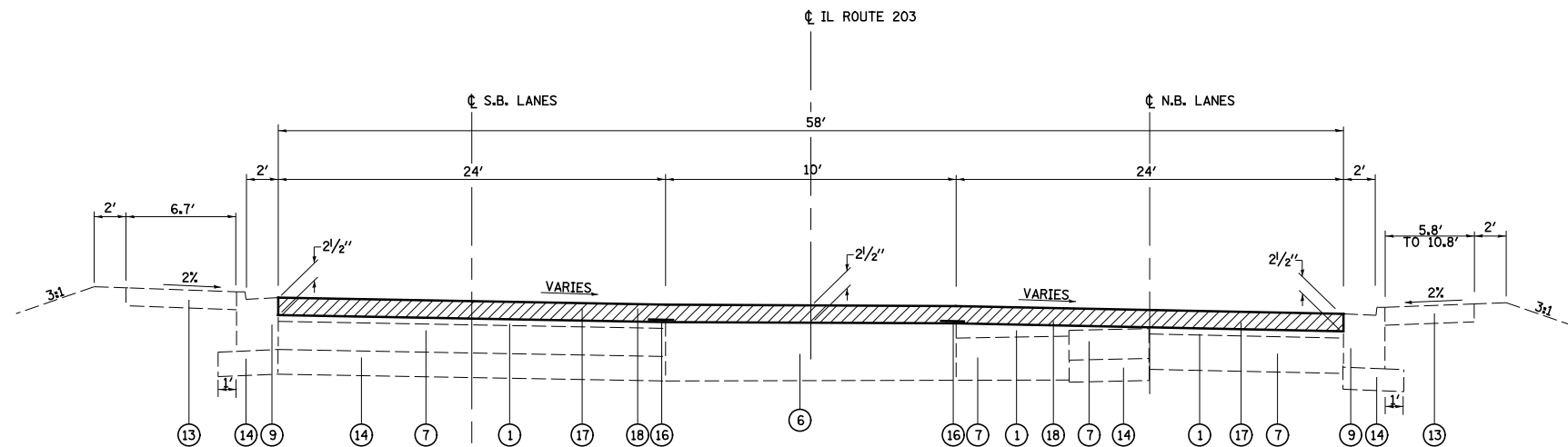
TYPICAL SECTION
STA. 511+62.64 TO STA. 513+51.56

LEGEND

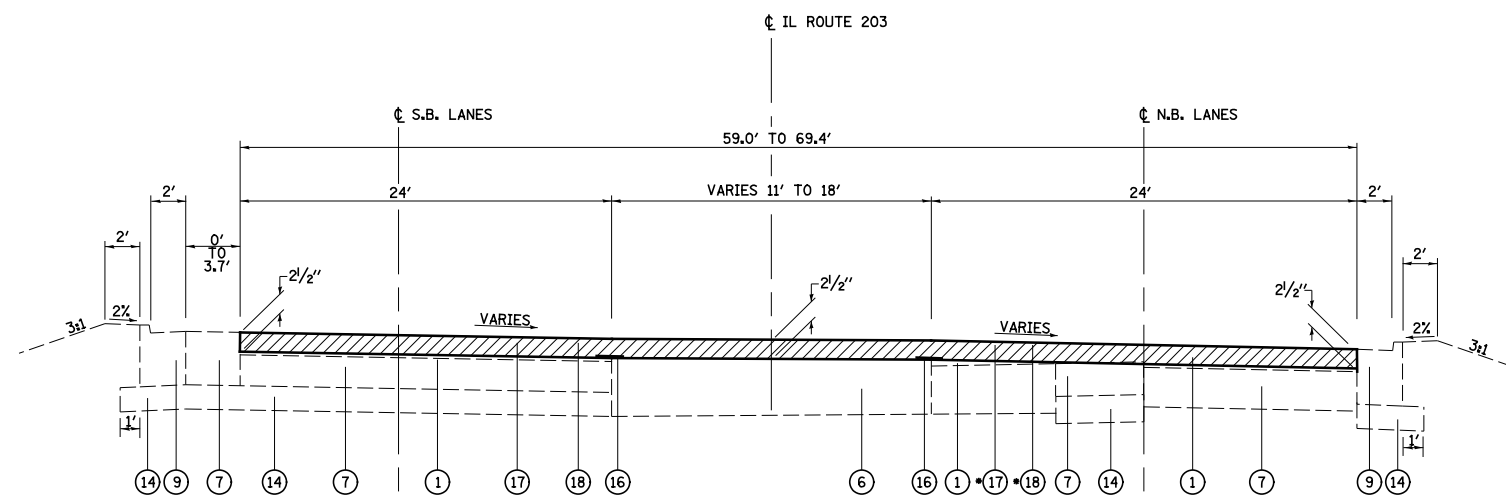
- ① EXISTING HOT-MIX ASPHALT SURFACE, 3" AND VARIES
- ② EXISTING CONCRETE PAVEMENT, 10"
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING SHOULDER, 10"
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- ⑪ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑫ EXISTING CONCRETE CURB
- ⑬ EXISTING CONCRETE SIDEWALK
- ⑭ EXISTING SUB-BASE GRANULAR MATERIAL
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- ⑰ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, VARIES 2 1/4" TO 2 1/2"
- ⑱ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑲ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ▨ HOT-MIX ASPHALT SURFACE REMOVAL, VARIES 2 1/4" TO 2 1/2"

• TRANSITION HOT-MIX SURFACE REMOVAL AND RESURFACING FROM 2 1/4" TO 2 1/2" FROM STA 513+46.56 TO STA 513+51.56

FILE NAME =	USER NAME = betsy	DESIGNED - ESW	REVISED - 5-30-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE. 594	SECTION (X-3,X-2)RS-1	COUNTY MADISON	TOTAL SHEETS 52	SHEET NO. 11
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PLLOT DATE = 6/5/2014	DATE - 3-22-14	CHECKED - JWS	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE - 3-22-14	REVISED -									

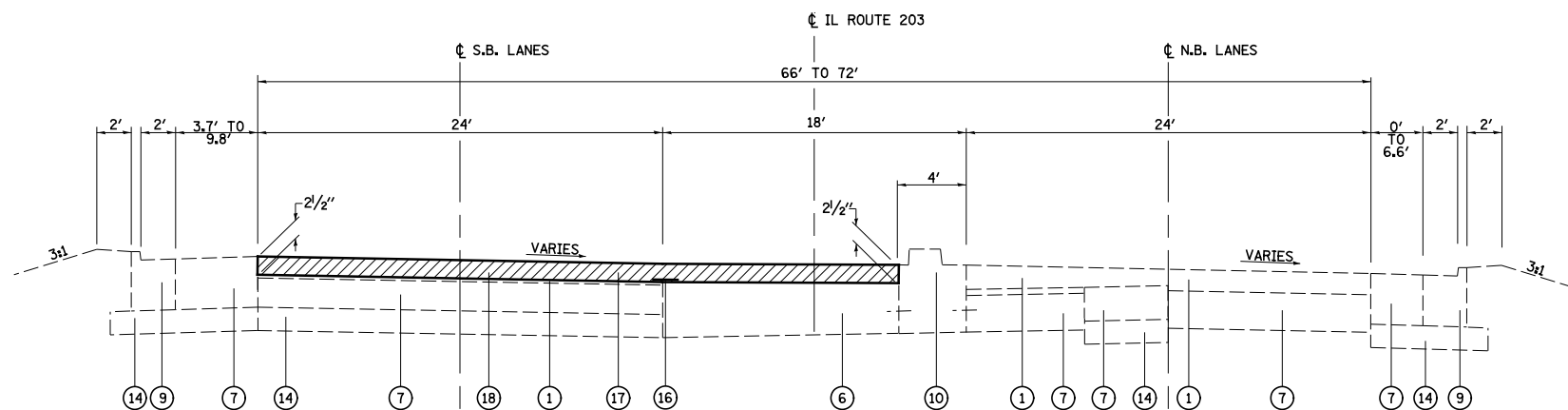


TYPICAL SECTION
STA. 513+51.56 TO STA. 514+79.06



TYPICAL SECTION
STA. 514+79.06 TO STA. 517+87.64

• END HOT-MIX ASPHALT REMOVAL
AND RESURFACING NORTH BOUND
LANES STA 517+29




TYPICAL SECTION
STA. 517+87.64 TO STA. 64+62
STA EQUATION: STA 517+89.66 BK = STA 63+78.03 AH

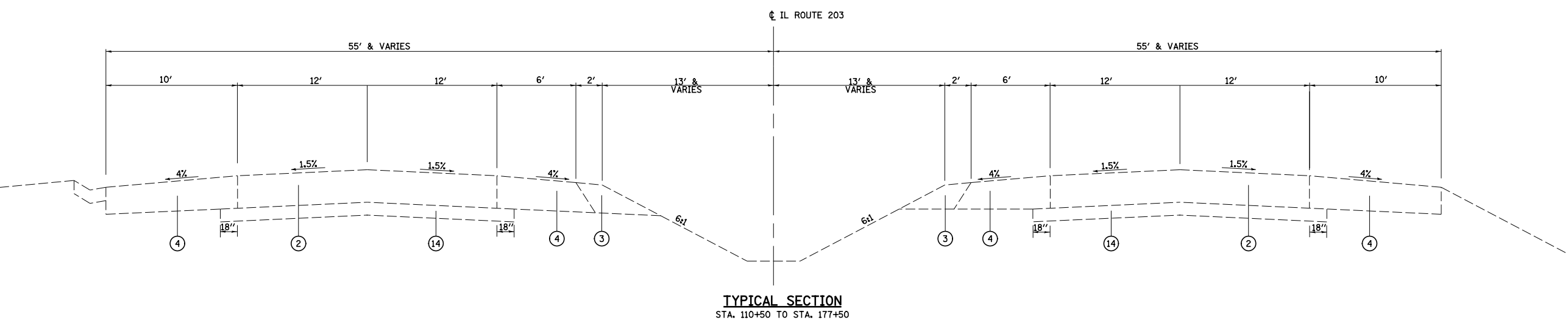
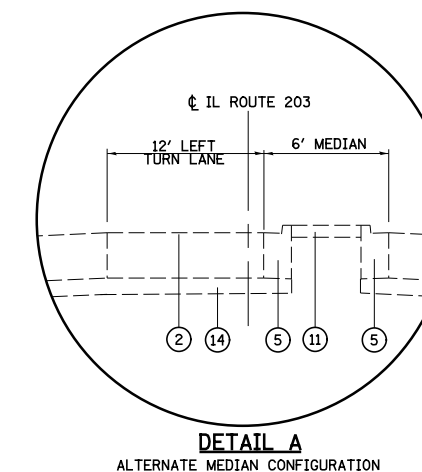
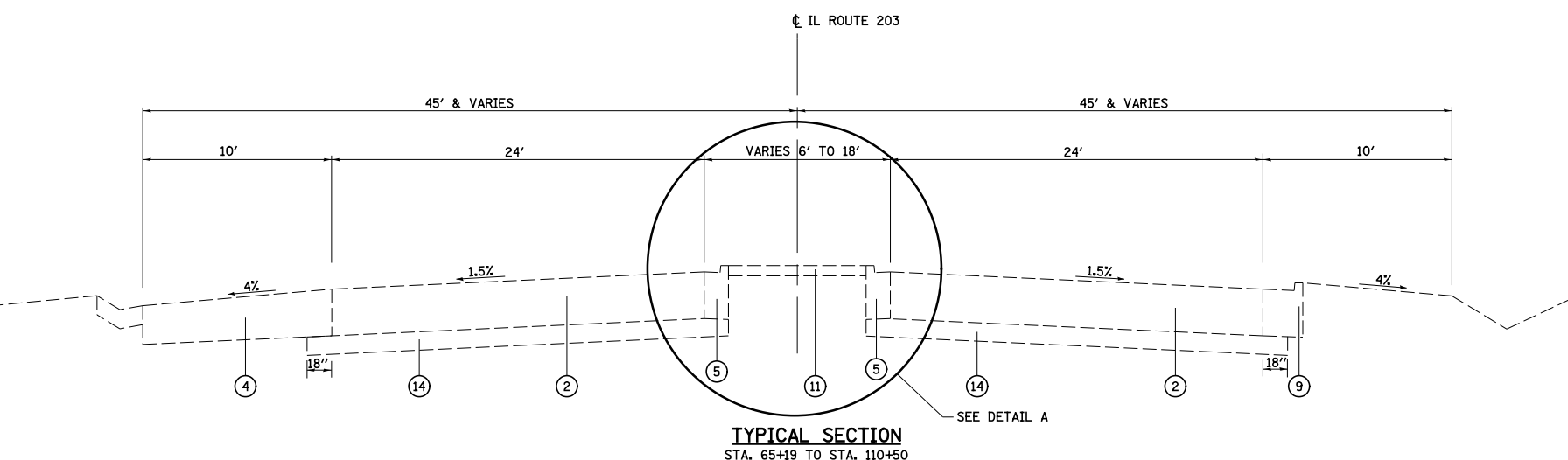
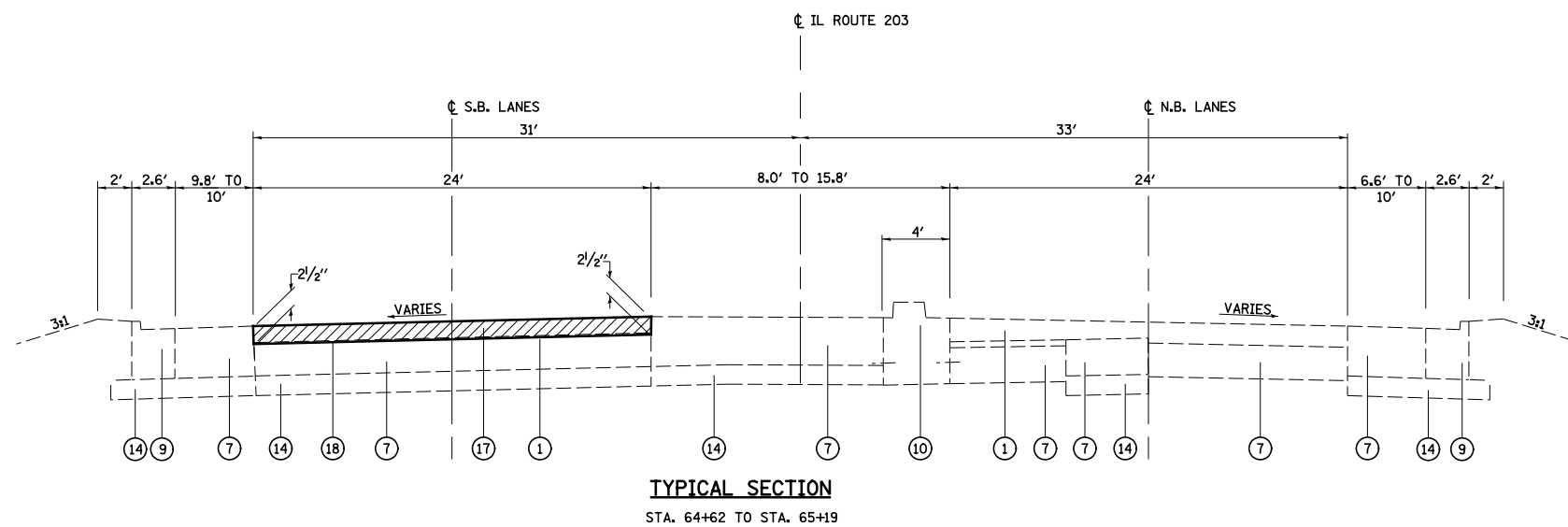
LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE, 3" AND VARIES
- ② EXISTING CONCRETE PAVEMENT, 10"
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING SHOULDER, 10"
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- ⑭ EXISTING SUB-BASE GRANULAR MATERIAL
- ⑮ EXISTING BRICK PAVEMENT
- ⑯ STRIP REFLECTIVE CRACK CONTROL
- ⑰ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, VARIES 2 1/4" TO 2 1/2"
- ⑱ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑲ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ▨ HOT-MIX ASPHALT SURFACE REMOVAL, VARIES 2 1/4" TO 2 1/2"

FILE NAME =	USER NAME = betsy	DESIGNED - ESW	REVISED - 5-30-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 48.000' / in.		CHECKED - JWS	REVISED -		CONTRACT NO. 76G24						
PLOT DATE = 6/5/2014		DATE - 3-22-14	REVISED -		SCALE: 1"=20'	SHEET NO. 4 OF 6 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE, 3" AND VARIES
- ② EXISTING CONCRETE PAVEMENT, 10"
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING SHOULDER, 10"
- ⑤ EXISTING CONCRETE CURB AND GUTTER, TYPE M-6.12
- ⑥ EXISTING HMA BASE COURSE, 14"
- ⑦ EXISTING PCC BASE COURSE, 9"
- ⑧ EXISTING CONCRETE CURB AND GUTTER, TYPE B-9.24
- ⑨ EXISTING CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑩ EXISTING CONCRETE MEDIAN
- ⑪ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑫ EXISTING CONCRETE CURB
- ⑬ EXISTING CONCRETE SIDEWALK
- ⑭ EXISTING SUB-BASE GRANULAR MATERIAL
- ⑮ EXISTING BRICK PAVEMENT
- ⑯ STRIP REFLECTIVE CRACK CONTROL
- ⑰ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, VARIES 2 1/4" TO 2 1/2"
- ⑱ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑲ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
-  HOT-MIX ASPHALT SURFACE REMOVAL, VARIES 2 1/4" TO 2 1/2"



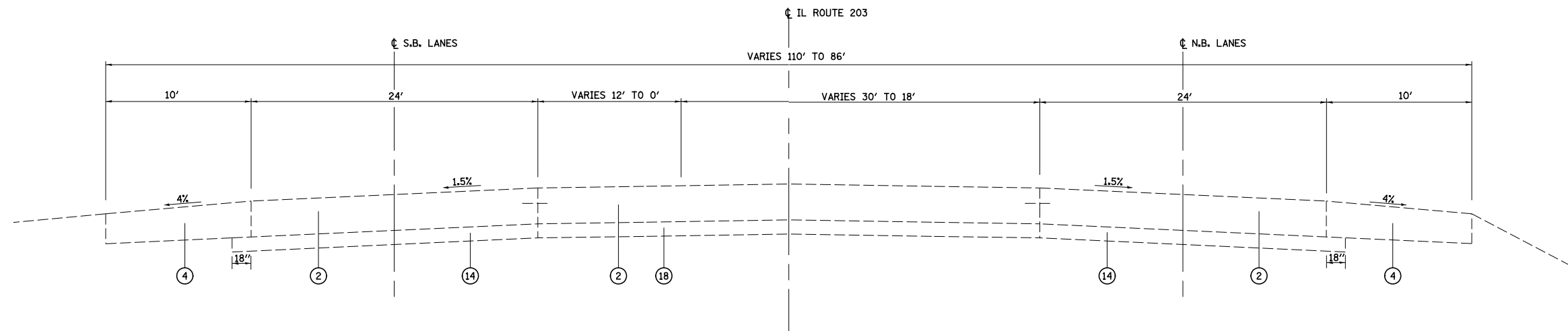
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	PLOT DATE = 6/5/2014	DATE - 3-22-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: 1"=20' SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	13
CONTRACT NO. 76G24				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



TYPICAL SECTION
STA. 177+50 TO STA. 184+08

LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE, 3" AND VARIES
- ② EXISTING CONCRETE PAVEMENT, 10"
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING SHOULDER, 10"
- ⑤ EXISTING CONCRETE CURB AND GUTTER, TYPE M-6.12
- ⑥ EXISTING HMA BASE COURSE, 14"
- ⑦ EXISTING PCC BASE COURSE, 9"
- ⑧ EXISTING CONCRETE CURB AND GUTTER, TYPE B-9.24
- ⑨ EXISTING CONCRETE CURB AND GUTTER, TYPE B-6.24
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- ⑪ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑫ EXISTING CONCRETE CURB
- ⑬ EXISTING CONCRETE SIDEWALK
- ⑭ EXISTING SUB-BASE GRANULAR MATERIAL
- ⑮ EXISTING BRICK PAVEMENT
- ⑯ STRIP REFLECTIVE CRACK CONTROL
- ⑰ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, VARIES 2 1/4" TO 2 1/2"
- ⑱ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑲ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIES 2 1/4" TO 2 1/2"

FILE NAME =	USER NAME = betsy	DESIGNED - ESW	REVISED - 5-30-14
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	PLOT DATE = 6/5/2014	DATE - 3-22-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: 1"=20' SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	14
CONTRACT NO. 76G24				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE

LOCATION STATION TO STATION	BITUMINOUS MATERIALS (PRIME COAT) (POUND)	TEMPORARY RAMP (SQ YD)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (TON)	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" (SQ YD)	STRIP REFLECTIVE CRACK CONTROL TREATMENT (FOOT)
STA 69+60 TO STA 71+95	704	154.09	197.09	1564.24		
STA 71+95 TO STA 72+36.50	128		35.88	284.72		41.25
STA 72+34.91 TO STA 73+86	450	66.58	125.91	999.23		169.70
STA 73+86 TO STA 76+89	1031	18.08	288.80	2292.09		606.34
STA 76+89 TO STA 81+78	1470	164.75	411.65	3267.08		1599.52
STA 81+78 TO STA 88+89	2353	58.08	658.88	5229.20		1168.93
STA 88+89 TO STA 91+70	988	239.33	276.56	2194.89		443.75
STA 91+70 TO STA 94+55	837		234.35	1859.88		1044.30
STA 94+55 TO STA 116+34.24	6333	626.49	1773.29	14073.77		6342.91
STA 510+14.01 TO STA 513+46.56	965		270.18	2144.31		295.66
STA 513+46.56 TO STA 513+51.56	15		4.29		32.2	
STA 513+51.56 TO STA 516+79	1003		312.00		2228.6	538.40
STA 516+79 TO STA 517+89.66	295	86.20	83.82		654.7	221.32
STA 63+78.03 TO STA 65+19.00	228	56.54	63.10		506.7	127.94
SUBTOTAL	16800	1470.14	4735.80	33909.41	3422.20	12600.02
PAY TOTAL	16800	1471	4736	33910	3423	12601

DRAINAGE SCHEDULE

LOCATION STATION	INLETS TO BE RECONSTRUCTED WITH NEW TYPE 3 FRAME AND GRATE (EACH)
STA 70+89 RT	1
TOTAL	1

GUARDRAIL SCHEDULE

LOCATION STATION	SIDE	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	IMPACT ATTENUATORS (FULLY RE-DIRECTIVE, NARROW), TEST LEVEL 3 (EACH)	GUARDRAIL MARKERS, TYPE A (EACH)	TERMINAL MARKER - DIRECT APPLIED (EACH)	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL, TANGENT (EACH)	GUARDRAIL REMOVAL SPECIAL (FOOT)
110+50	CENTER								290
149+63	RT	50	1	1		4	1		179
149+63	CENTER				2				315
154+67	CENTER				2				357
184+30	RT	112.5				4		2	
TOTAL		162.5	1	1	4	8	1	2	1141
ROUNDED TOTAL		162.5	1	1	4	8	1	2	1141

PAVEMENT MARKING SCHEDULE

LOCATION	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (SQ FT)	THERMOPLASTIC PAVEMENT MARKING - LINE 4"				THERMOPLASTIC PAVEMENT MARKING - LINE 6"		THERMOPLASTIC PAVEMENT MARKING - LINE 12"		RAISED REFLECTIVE PAVEMENT MARKER (EACH)	PRISMATIC CURB REFLECTOR (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (EACH)	PAVEMENT MARKING REMOVAL (SQ FT)	PAINT PAVEMENT MARKING CURB (FOOT)
		SOLID WHITE* (FOOT)	SOLID YELLOW (FOOT)	SKIP DASH WHITE (FOOT)	SKIP DASH YELLOW (FOOT)	SOLID YELLOW (FOOT)	SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)						
STA 69+60 TO STA 71+50	31.2	490.2	326.8	81.8	0.0			33.0		9	6	9		87
STA 71+50 TO STA 78+14	78.0	1551.9	1310.3	273.2	0.0	166.8		68.0	43.1	37	3	37	27.7	60
STA 78+14 TO STA 88+89	156.0	2365.2	2652.3	540.0	219.9	195.0		75.7	98.4	77	9	77	14.7	60
STA 88+89 TO STA 98+39	187.2	2089.1	2084.9	487.8	223.0	149.8		111.9	16.0	67	9	67	87.6	60
STA 98+39 TO STA 111+75	218.4	2526.9	2775.6	622.8	451.8			71.7	41.1	96		96	3.9	
STA 111+75 TO STA 116+34.24	62.4	824.0	971.1	207.0	121.6	120.2		35.8	17.7	32		32	2.3	
STA 510+14.01 TO STA 517+89.66	62.4	1424.7	2205.5	367.9	152.1				262.0	56	3	56		45
STA 63+78.03 TO STA 65+19	15.6	243.0	102.0	35.2	0.0					7		7		
SUBTOTAL	811.2	11515.0	12428.5	2615.7	1168.4	631.8		396.1	478.3	381	30	381	136.2	312
PAY TOTAL	812		27728			632		875		381	30	381	137	312

* INCLUDES OMISSIONS FOR SIDEROADS

TEMPORARY PAVEMENT MARKING SCHEDULE

LOCATION	SHORT-TERM PAVEMENT MARKING		TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS 1 APP (SQ FT)	TEMPORARY PAVEMENT MARKING - LINE 4"				TEMPORARY PAVEMENT MARKING - LINE 6"		TEMPORARY PAVEMENT MARKING - LINE 12"		WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)
	WHITE 3 APPS (FOOT)	YELLOW 3 APPS (FOOT)		SOLID WHITE* 1 APP (FOOT)	SOLID YELLOW 1 APP (FOOT)	SKIP DASH WHITE 1 APP (FOOT)	SKIP DASH YELLOW 1 APP (FOOT)	SOLID WHITE 1 APP (FOOT)	SOLID WHITE 1 APP (FOOT)	SOLID YELLOW 1 APP (FOOT)		
STA 69+60 TO STA 71+50	146.7		31.2	490.2	326.8	81.8	0.0			33.0		380.1
STA 71+50 TO STA 78+14	477.3	165.9	78.0	1551.9	1310.3	273.2	0.0	166.8		68.0	43.1	1389.1
STA 78+14 TO STA 88+89	709.5	504.6	156.0	2365.2	2652.3	540.0	219.9	195.0		75.7	98.4	2488.3
STA 88+89 TO STA 98+39	627.0	400.2	187.2	2089.1	2084.9	487.8	223.0	149.8		111.9	16.0	2132.4
STA 98+39 TO STA 111+75	758.4	687.6	218.4	2526.9	2775.6	622.8	451.8			71.7	41.1	2617.6
STA 111+75 TO STA 116+34.24	247.2	219.0	62.4	824.0	971.1	207.0	121.6	120.2		35.8	17.7	935.7
STA 510+14.01 TO STA 517+89.66	427.5	422.4	62.4	1424.7	2205.5	367.9	152.1				262.0	1802.2
STA 63+78.03 TO STA 65+19	72.9		15.6	243.0	102.0	35.2	0.0					150.4
SUBTOTAL	3466.5	2399.7	811.2	11515.0	12428.5	2615.7	1168.4	631.8		396.1	478.3	11895.8
PAY TOTAL	5867		812		27728			632		875		11896

* INCLUDES OMISSIONS FOR SIDEROADS

CLASS B PATCHING SCHEDULE

LOCATION				CLASS B PATCHES, TYPE II, 10 INCH (SQ YD)	CLASS B PATCHES, TYPE IV, 10 INCH (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/2" (EACH)	TIE BARS 3/4" (EACH)	PAVEMENT FABRIC (SQ YD)
MILE POST	LANE	LENGTH (FT)	WIDTH (FT)						
0.16	SB	PL	6	12	8	61	20		
0.16	SB	BI	6	12	8	61	20		
0.31	SB	DL	6	12	8	61	20		
0.91	SB	DL	6	12	8	61	20		
0.91	SB	PL	6	12	8	61	20		
0.98	SB	PL	6	12	8	61	20		
0.98	SB	DL	6	12	8	61	20		
0.99	SB	PL	6	12	8	61	20		
0.99	SB	DL	6	12	8	61	20		
1.01	SB	PL	6	12	8	61	20		
1.01	SB	DL	6	12	8	61	20		
1.04	SB	PL	6	12	8	61	20		
1.08	SB	DL	6	12	8	61	20		
1.09	SB	DL	6	12	8	61	20		
1.09	SB	LTL	8	12	11	65	20		
1.09	SB	PL	8	12	11	65	20		
1.12	SB	PL	6	12	8	61	20		
1.16	SB	DL	6	12	8	61	20		
1.18	SB	PL	6	12	8	61	20		
1.21	SB	PL	6	12	8	61	20		
1.25	SB	LTL	6	12	8	61	20		
1.25	SB	PL	6	12	8	61	20		
1.25	SB	DL	6	12	8	61	20		
1.31	SB	LTL	6	12	8	61	20		
1.31	SB	PL	6	12	8	61	20		
1.31	SB	DL	6	12	8	61	20		
1.36	SB	DL	6	12	8	61	20		
1.38	SB	LTL	6	12	8	61	20		
1.38	SB	PL	6	12	8	61	20		
1.41	SB	PL	8	12	11	65	20		
1.43	SB	DL	6	12	8	61	20		
1.46	SB	DL	6	12	8	61	20		
1.48	SB	PL	6	12	8	61	20		
1.48	SB	DL	6	12	8	61	20		
1.53	SB	DL	6	12	8	61	20		
1.54	SB	PL	6	12	8	61	20		
1.54	SB	DL	6	12	8	61	20		
1.57	SB	PL	6	12	8	61	20		
1.57	SB	DL	6	12	8	61	20		
1.59	SB	DL	6	12	8	61	20		
1.61	SB	PL	6	12	8	61	20		
1.61	SB	DL	6	12	8	61	20		
1.64	SB	DL	6	12	8	61	20		
1.7	SB	PL	6	12	8	61	20		
1.74	SB	PL	6	12	8	61	20		
1.74	SB	DL	6	12	8	61	20		
1.75	SB	PL	6	12	8	61	20		
1.81	SB	PL	6	12	8	61	20		
1.81	SB	DL	6	12	8	61	20		
1.83	SB	PL	6	12	8	61	20		
1.83	SB	DL	6	12	8	61	20		
1.85	SB	PL	6	12	8	61	20		
1.85	SB	DL	6	12	8	61	20		
1.86	SB	PL	6	12	8	61	20		
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1.96	SB	DL	6	12	8	61	20		
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2.25	SB	PL	6	12	8	61	20		
2.29	SB	PL	6	12	8	61	20		
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2.4	SB	PL	10	12	13	69	20		
2.4	SB	DL	10	12	13	69	20		
2.41	SB	PL	6	12	8	61	20		
2.41	SB	DL	6	12	8	61	20		
2.59	SB	PL	10	12	13	69	20		
2.59	SB	DL	10	12	13	69	20		
2.66	SB	DL	6	12	8	61	20		
2.67	SB	PL	6	12	8	61	20		
2.67	SB	DL	6	12	8	61	20		
2.77	SB	DL	6	12	8	61	20		
2.84	SB	DL	6	12	8	61	20		
2.87	SB	PL	6	12	8	61	20		
2.87	SB	DL	6	12	8	61	20		
2.91	SB	PL	6	12	8	61	20		
2.91	SB	DL	6	12	8	61	20		
2.97	SB	PL	6	12	8	61	20		
3.06	SB	PL	6	12	8	61	20		
3.06	SB	DL	6	12	8	61	20		
3.1	SB	PL	6	12	8	61	20		
3.1	SB	DL	6	12	8	61	20		
SUBTOTAL SB LANES				709	0	5229	1700	0	0

LOCATION				CLASS B PATCHES, TYPE II, 10 INCH (SQ YD)	CLASS B PATCHES, TYPE IV, 10 INCH (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/2" (EACH)	TIE BARS 3/4" (EACH)	PAVEMENT FABRIC (SQ YD)
MILE POST	LANE	LENGTH (FT)	WIDTH (FT)						
3.21	SB	PL	6	12	8	61	20		
3.21	SB	DL	6	12	8	61	20		
3.22	SB	PL	6	12	8	61	20		
3.25	SB	DL	6	12	8	61	20		
3.25	SB	PL	6	12	8	61	20		
3.26	SB	PL	25	12		33	99	13	33
SUBTOTAL				40	33	404	120	13	33
SUBTOTAL PREVIOUS TABLE				709	0	5229	1700	0	0
SUBTOTAL SB LANES				749	33	5633	1820	13	33
0.30	NB	DL	6	12	8	61	20		
0.49	NB	PL	6	12	8	61	20		
0.49	NB	DL	6	12	8	61	20		
0.97	NB	PL	6	12	8	61	20		
0.97	NB	DL	6	12	8	61	20		
1.00	NB	DL	6	12	8	61	20		
1.03	NB	PL	6	12	8	61	20		
1.08	NB	PL	8	12	11	65	20		
1.08	NB	DL	8	12	11	65	20		
1.11	NB	PL	6	12	8	61	20		
1.11	NB	DL	6	12	8	61	20		
1.15	NB	DL	6	12	8	61	20		
1.20	NB	PL	6	12	8	61	20		
1.25	NB	PL	6	12	8	61	20		
1.25	NB	DL	6	12	8	61	20		
1.32	NB	DL	6	12	8	61	20		
1.35	NB	PL	6	12	8	61	20		
1.38	NB	PL	6	12	8	61	20		
1.50	NB	PL	6	12	8	61	20		
1.50	NB	DL	6	12	8	61	20		
1.58	NB	PL	6	12	8	61	20		
1.65	NB	PL	6	12	8	61	20		
1.59	NB	PL	6	12	8	61	20		
1.71	NB	PL	6	12	8	61	20		
1.80	NB	DL	6	12	8	61	20		
1.84	NB	PL	6	12	8	61	20		
2.05	NB	DL	6	12	8	61	20		
2.05	NB	PL	6	12	8	61	20		
2.32	NB	DL	6	12	8	61	20		
2.32	NB	PL	6	12	8	61	20		
2.40	NB	DL	6	12	8	61	20		
2.42	NB	DL	6	12	8	61	20		
2.42	NB	PL	6	12	8	61	20		
2.47	NB	DL	6	12	8	61	20		
2.47	NB	PL	6	12	8	61	20		
2.49	NB	DL	6	12	8	61	20		
2.49	NB	PL	6	12	8	61	20		
2.51	NB	DL	6	12	8	61	20		
2.62	NB	DL	6	12	8	61	20		
2.70	NB	DL	6	12	8	61	20		
2.75	NB	DL	6	12	8	61	20		
2.84	NB	DL	6	12	8	61	20		
2.86	NB	PL	6	12	8	61	20		
2.86	NB	DL	6	12	8	61	20		
2.87	NB	DL	6	12	8	61	20		
3.05	NB	PL	6	12	8	61	20		
3.05	NB	DL	6	12	8	61	20		
3.10	NB	PL	6	12	8	61	20		
3.10	NB	DL	6	12	8	61	20		
3.12	NB	PL	6	12	8	61	20		
3.15	NB	PL	6	12	8	61	20		
3.18	NB	DL	6	12	8	61	20		
3.20	NB	PL	6	12	8	61	20		
3.20	NB	DL	6	12	8	61	20		
SUBTOTAL NB LANES				438	0	3302	1080	0	0
SUBTOTAL SB LANES				749	33	5633	1820	13	33
SUBTOTAL				1187	33	8935	2900	13	33
15% ANTICIPATED FAILURE				178	5	1340	435	2	5
PAY TOTAL				1365	38	10275	3335	15	38

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USER NAME = *USER*
 PLOT SCALE = *SCALE*
 PLOT DATE = 5/8/2014

DESIGNED - ESW
 DRAWN - PDB
 CHECKED - JWS
 DATE - 4-16-14

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

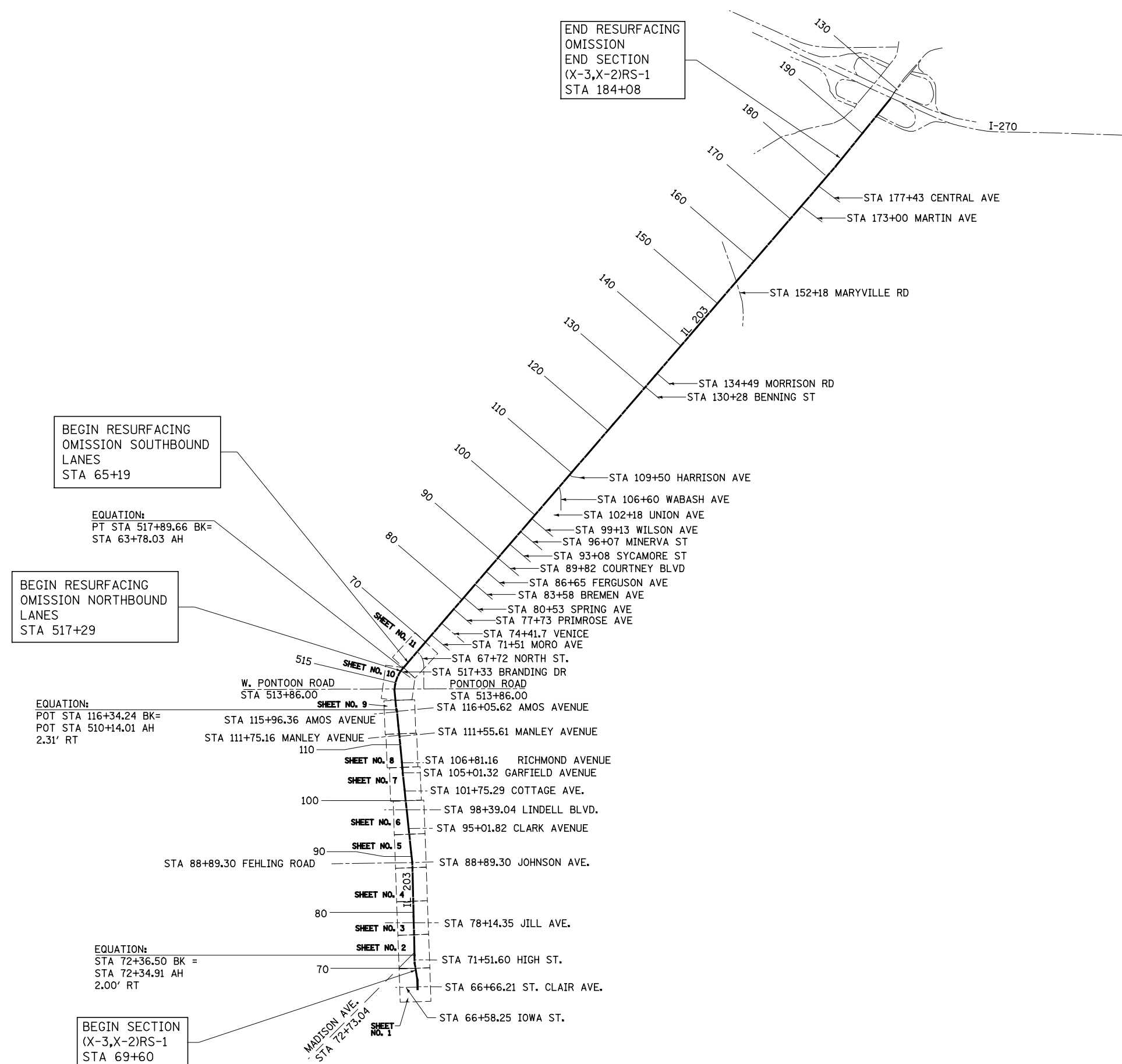
SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	17
CONTRACT NO. 76G24				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CURB RAMP SCHEDULE

LOCATION		PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH (SQ FT)	DETECTABLE WARNINGS (SQ FT)	CURB REMOVAL (FOOT)	COMBINATION CURB AND GUTTER REMOVAL (FOOT)	SIDEWALK REMOVAL (SQ FT)	MEDIAN REMOVAL (SQ FT)	CONCRETE CURB, TYPE B (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (FOOT)	PARKING LOT PAVEMENT REMOVAL (SQ YD)
INTERSECTION	LOCATION	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(SQ YD)
JILL AVE	SOUTHWEST QUADRANT	152.7	8.6	9.0	16.4	91.7			16.4		7.9
JILL AVE	SOUTHEAST QUADRANT	46.1	10.2		17.7	45.2				17.7	
FEHLING ROAD	SOUTHWEST QUADRANT	79.8	17.0	17.9				18.0			
FEHLING ROAD	SOUTHWEST ISLAND	31.2	22.7				31.2				
JOHNSON AVE	SOUTHEAST QUADRANT	154.2	11.2	34.5		152.6		34.8			
JOHNSON AVE	SOUTHEAST ISLAND	151.7	37.6			92.1	58.9				
JOHNSON AVE	NORTHEAST QUADRANT	176.7	8.7	35.3		172.0		35.6			
JOHNSON AVE	NORTHEAST ISLAND	29.1	21.7			29.1					
LINDELL BLVD	SOUTHWEST QUADRANT	54.5	12.1		15.6	76.6				15.6	
LINDELL BLVD	SOUTHEAST QUADRANT	83.5	11.9		11.7	82.6			11.7		
MANLEY AVE	NORTHWEST QUADRANT	61.5	16.0		39.6	51.7				39.6	
MANLEY AVE	NORTHEAST QUADRANT	136.0	9.0	29.6		136.1		29.6			
SUBTOTAL		1157.0	186.7	126.3	101.0	929.7	90.1	118.0	28.1	72.9	7.9
TOTAL		1157	187	127	101	930	91	118	29	73	8



BEGIN RESURFACING
OMISSION SOUTHBOUND
LANES
STA 65+19

EQUATION:
PT STA 517+89.66 BK=
STA 63+78.03 AH

BEGIN RESURFACING
OMISSION NORTHBOUND
LANES
STA 517+29

EQUATION:
POT STA 116+34.24 BK=
POT STA 510+14.01 AH
2.31' RT

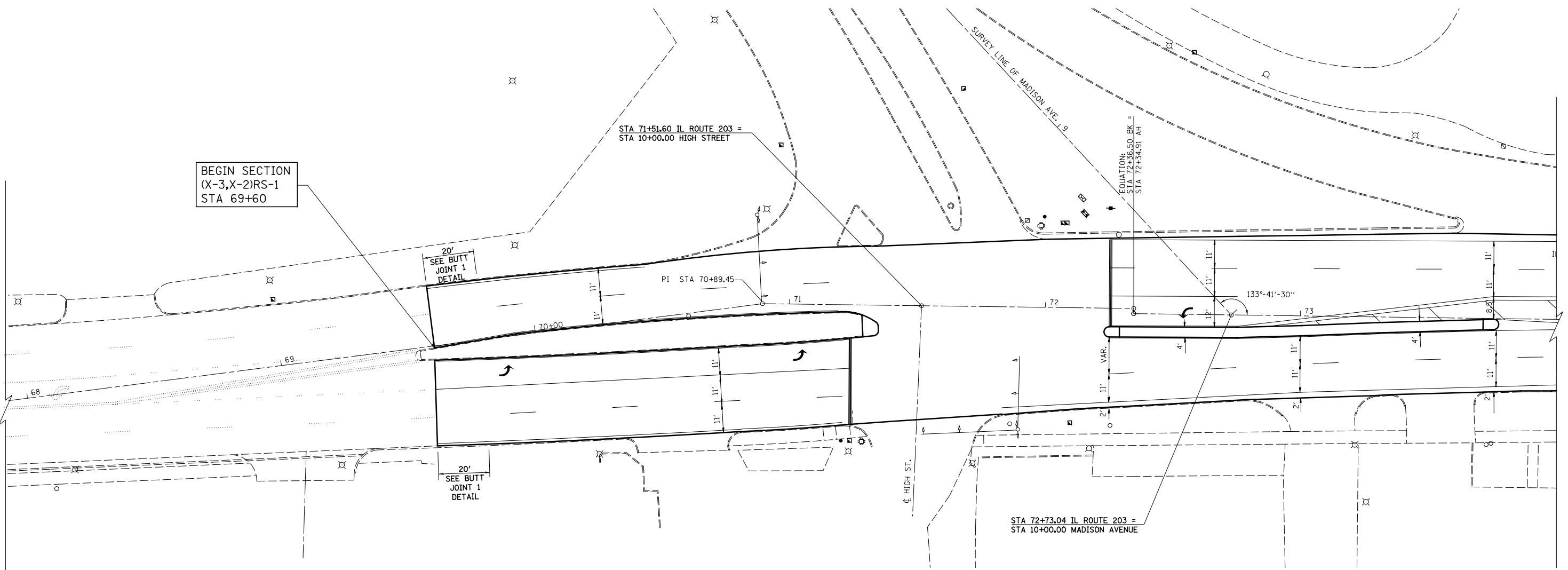
EQUATION:
STA 72+36.50 BK =
STA 72+34.91 AH
2.00' RT

BEGIN SECTION
(X-3,X-2)RS-1
STA 69+60

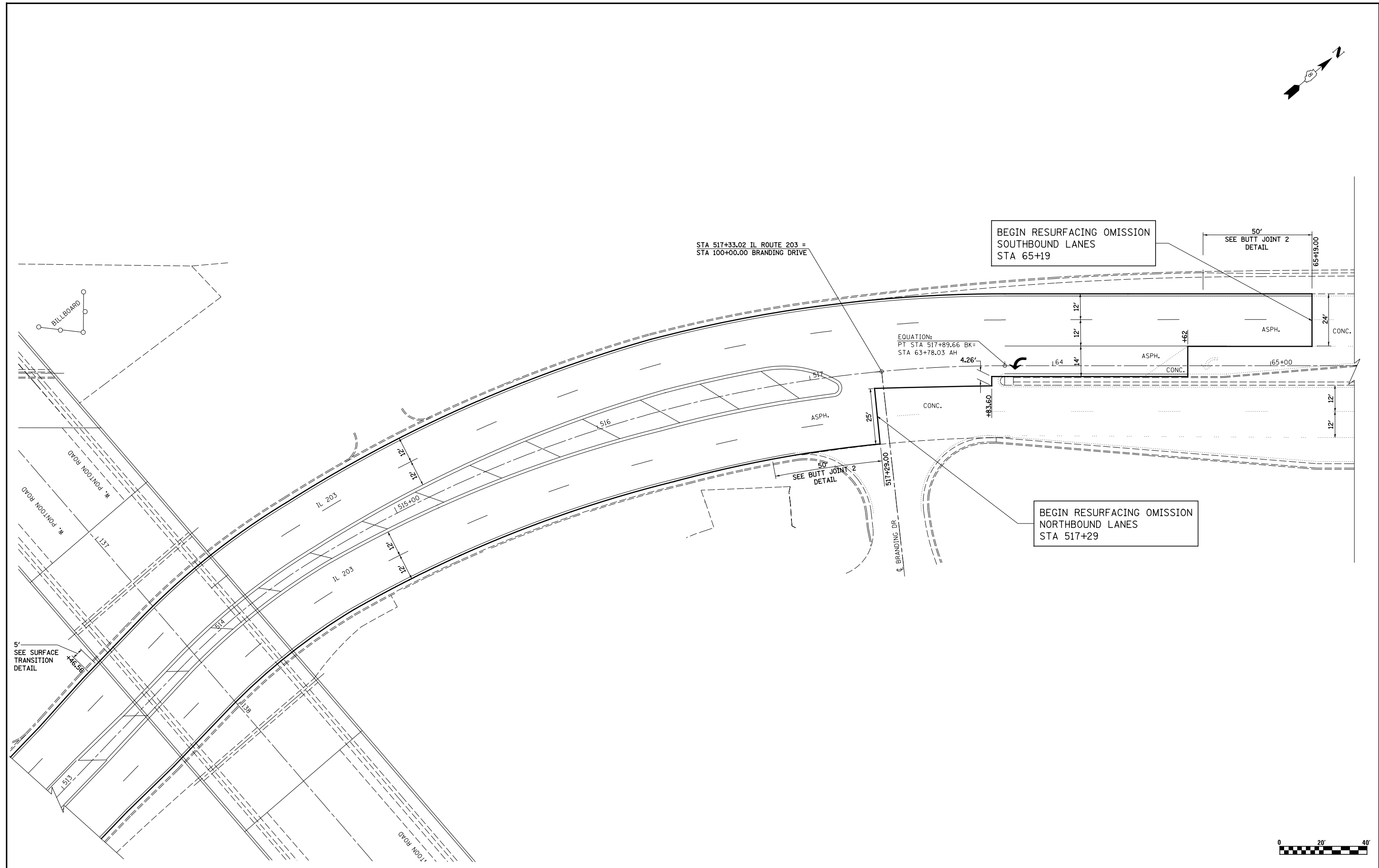
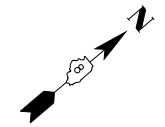
NOTE:
SHEET KEY NUMBERS REFER TO
PAVEMENT MARKING DETAILS ONLY.



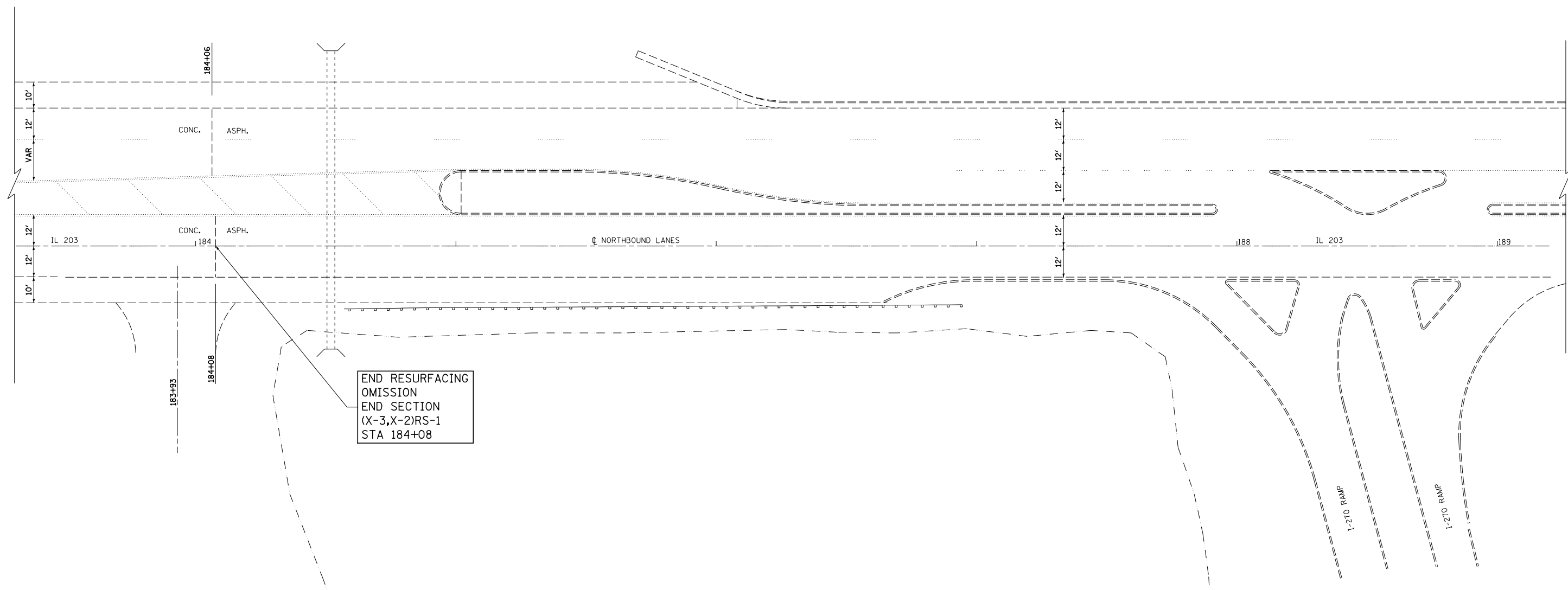
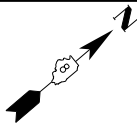
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	PLOT SCALE = 200.0000' / in.	CHECKED - JWS	REVISED -		SCALE: 1"=1000'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	594	(X-3,X-2)RS-1	MADISON	52
PLOT DATE = 6/5/2014	DATE - 3-17-14	REVISED -	REVISED -					CONTRACT NO. 76G24				
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME = #FILE#	USER NAME = betsy	DESIGNED - ESW	REVISED - 5-30-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEGINNING AND ENDING DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48.000' / in.	CHECKED - JWS	REVISED -					594	(X-3,X-2)RS-1	MADISON	52	20
PLOT DATE = 6/5/2014	DATE - 4-01-14	REVISED -	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.	CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT												



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	PLOT SCALE = 48.000' / in.	DRAWN - PDB	REVISED -		594	(X-3,X-2)RS-1	MADISON	52	21			
PLOT DATE = 6/5/2014	CHECKED - JWS	REVISED -			SCALE: 1"=20' SHEET NO. 2 OF 3 SHEETS STA. TO STA.			CONTRACT NO. 76G24				
	DATE - 4-01-14	REVISED -			ILLINOIS FED. AID PROJECT							

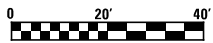
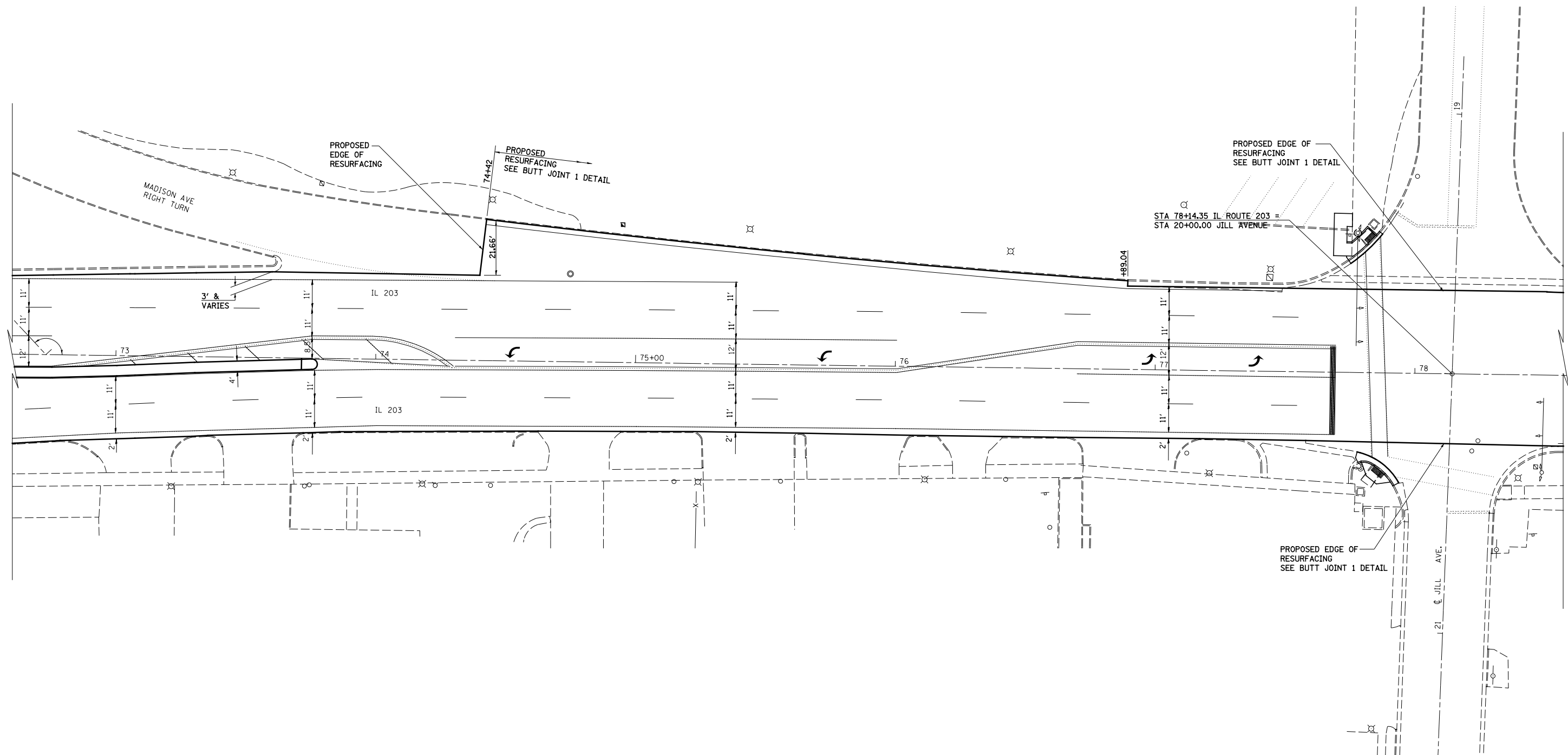


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		DRAWN - PDB	REVISED -
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	PLOT DATE = 6/5/2014	DATE - 3-17-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BEGINNING AND ENDING DETAILS		
SCALE: 1"=20'	SHEET NO. 3 OF 3 SHEETS	STA. TO STA.

F.A.P. RTE. 594	SECTION (X-3,X-2)RS-1	COUNTY MADISON	TOTAL SHEETS 52	SHEET NO. 22
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



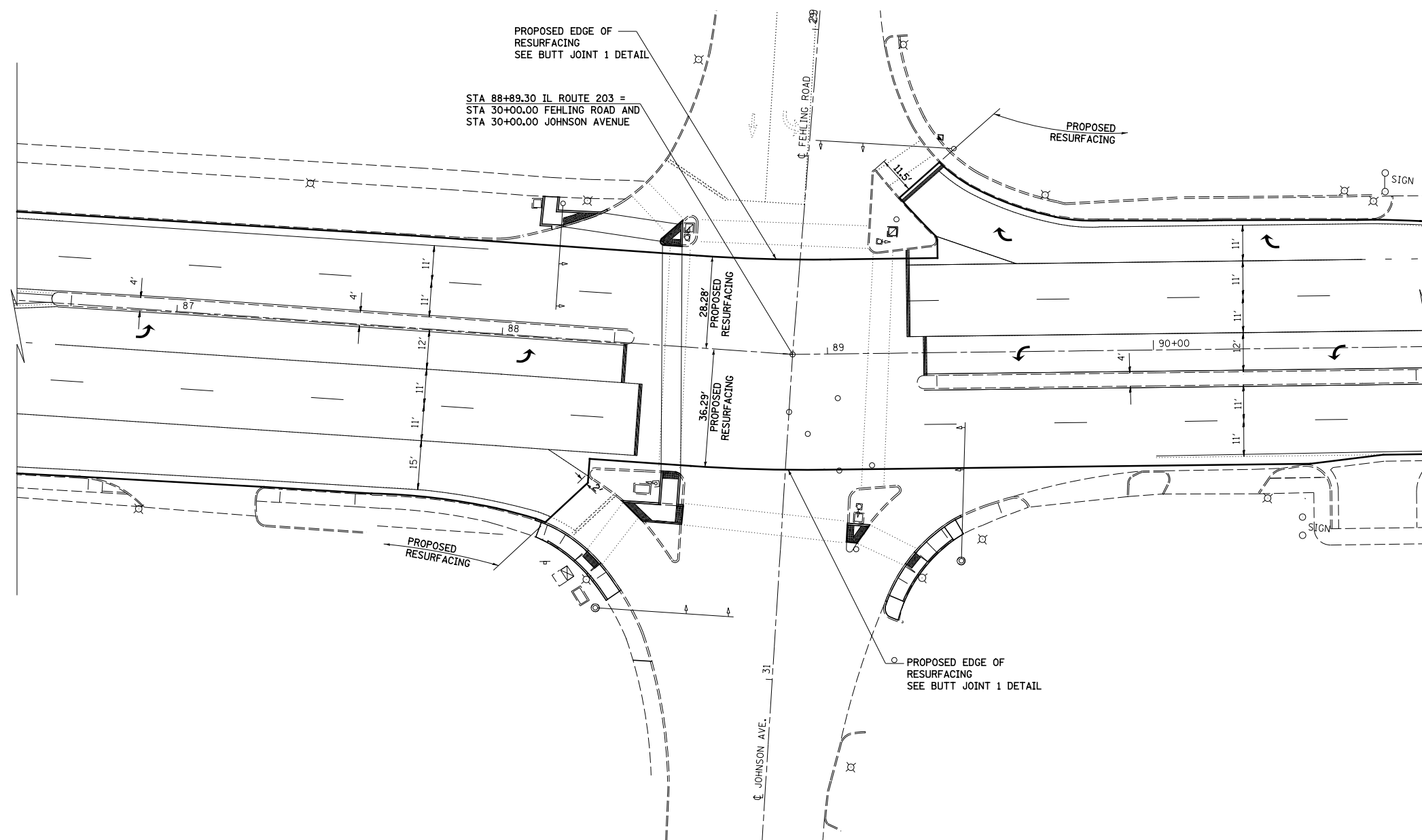
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION RESURFACING DETAIL

SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	23
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



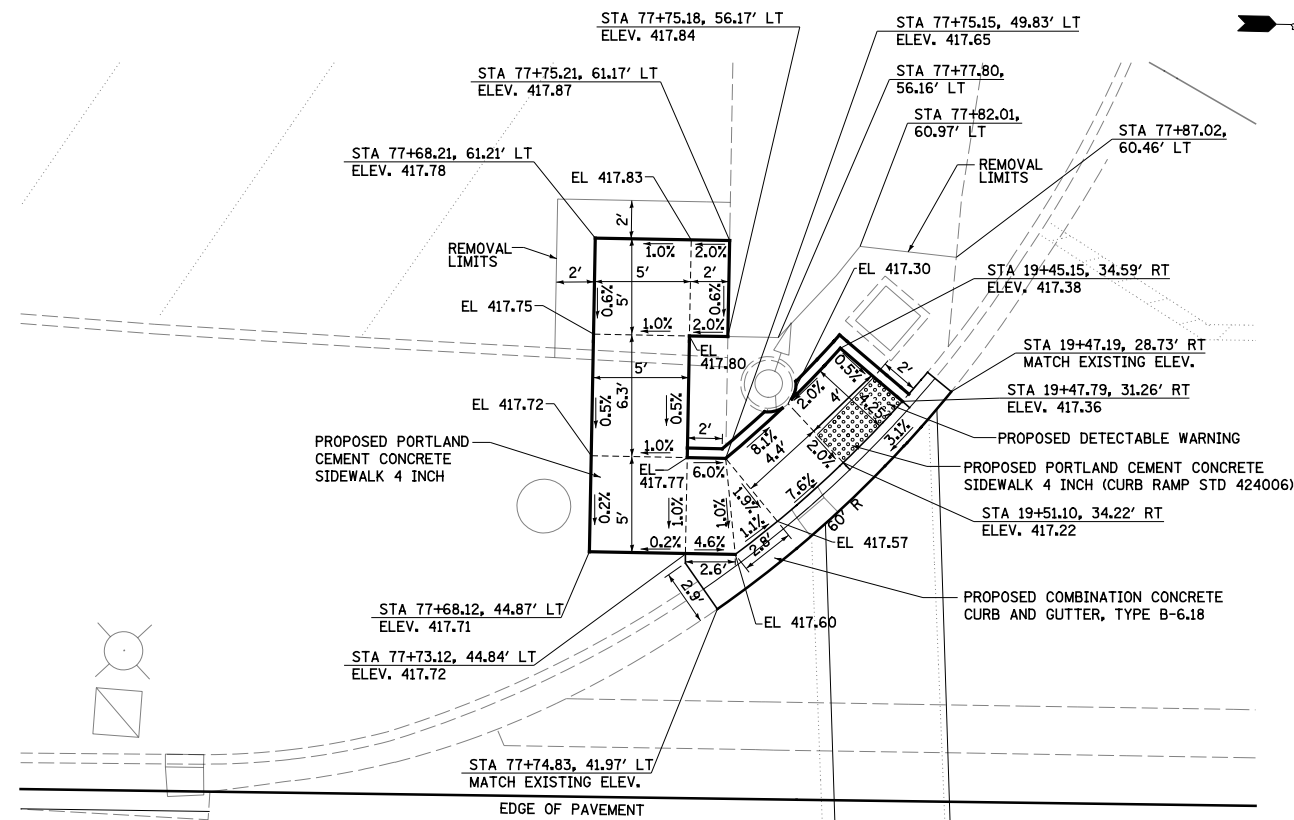
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	PLOT SCALE = 40.000' / in.	CHECKED - JWS	REVISED -
	PLOT DATE = 6/5/2014	DATE - 4-11-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION RESURFACING DETAIL

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

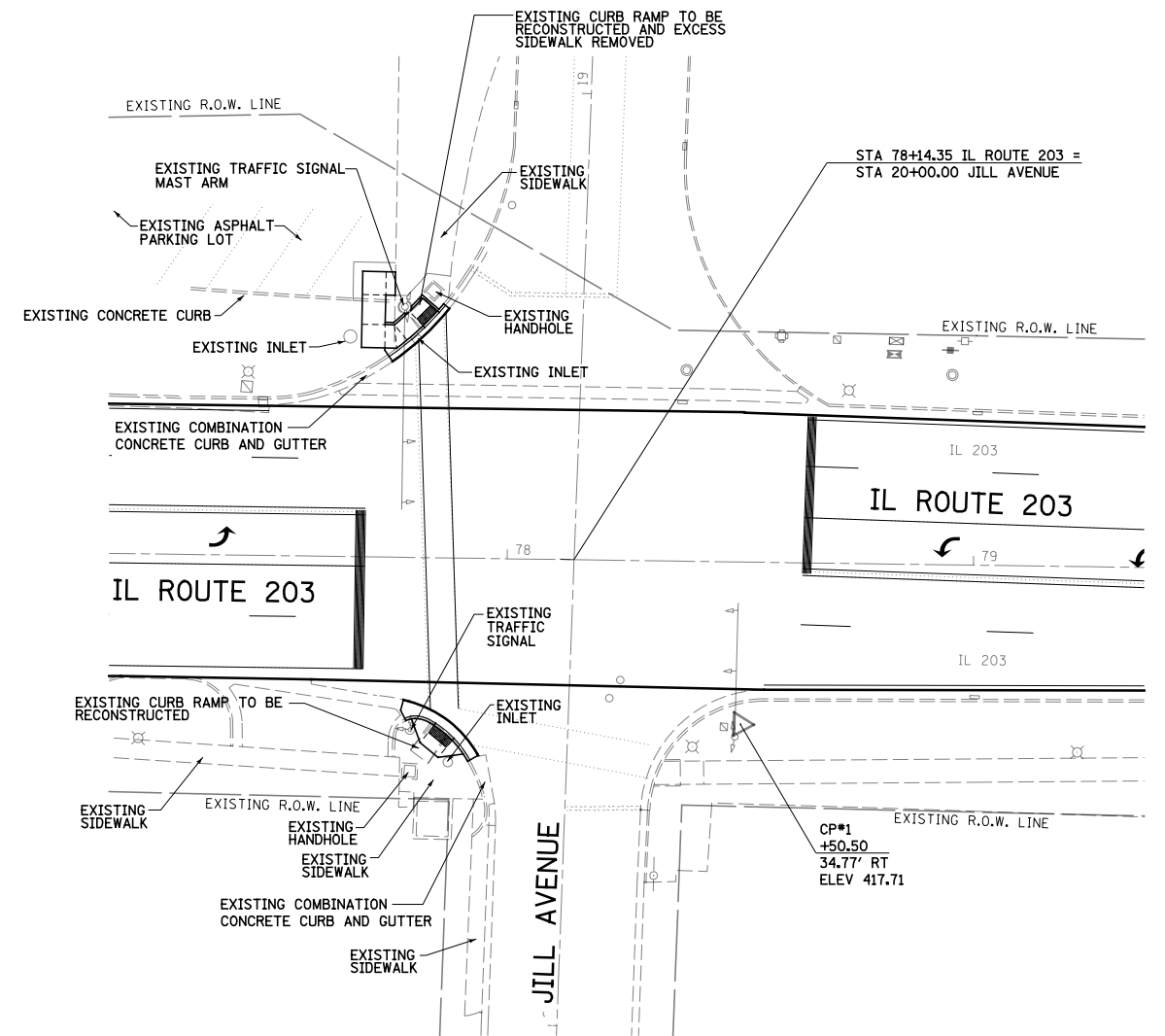
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	24
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



IL ROUTE 203

SOUTHWEST QUADRANT

ENTRANCE (JILL)



IL ROUTE 203

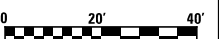
SOUTHWEST QUADRANT



CP#1
JILL AVENUE

COORDINATE	
NORTHING	EASTING
30981.046	25987.233

NOTE:
FOR REMOVAL ITEMS
SEE CURB RAMP SCHEDULE



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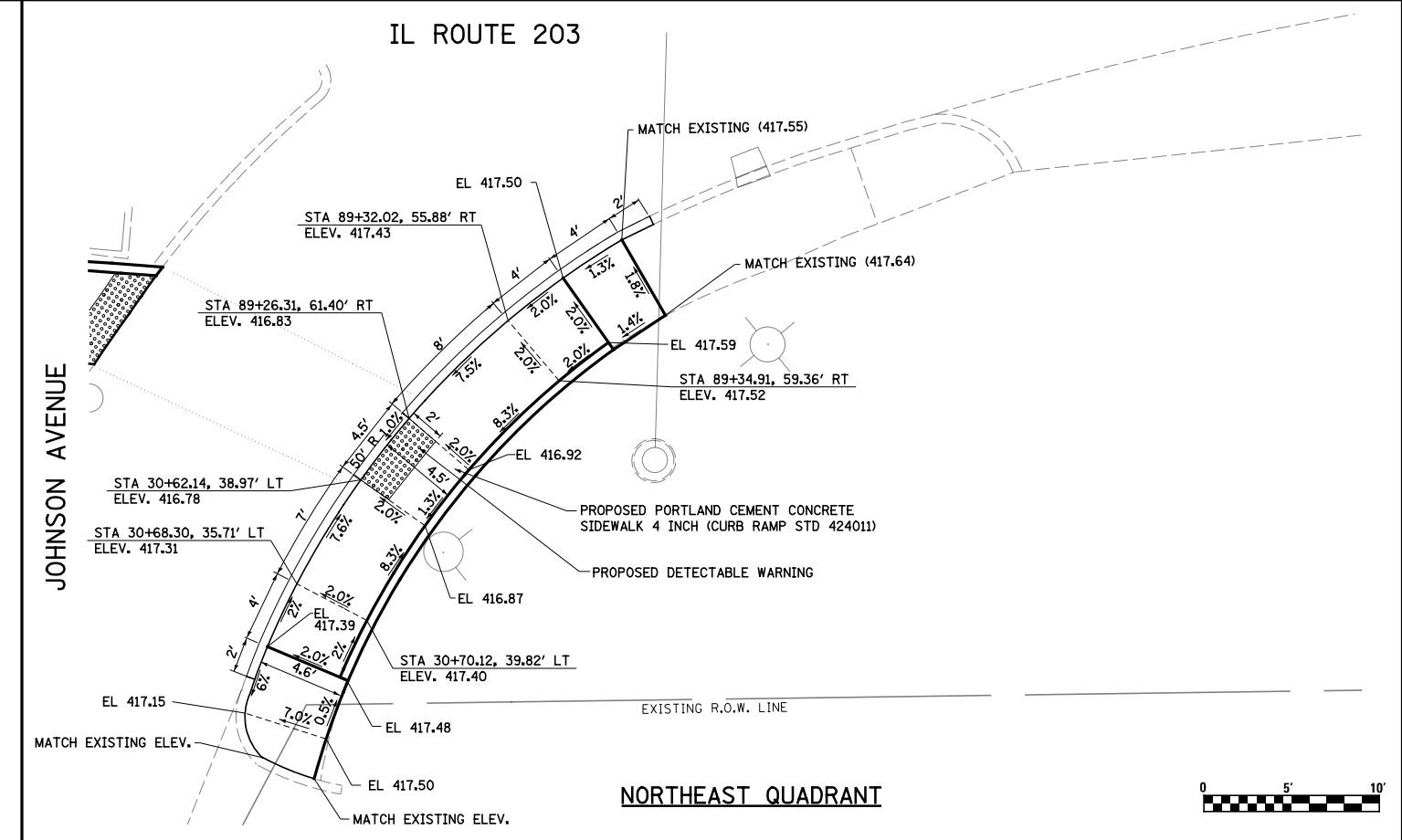
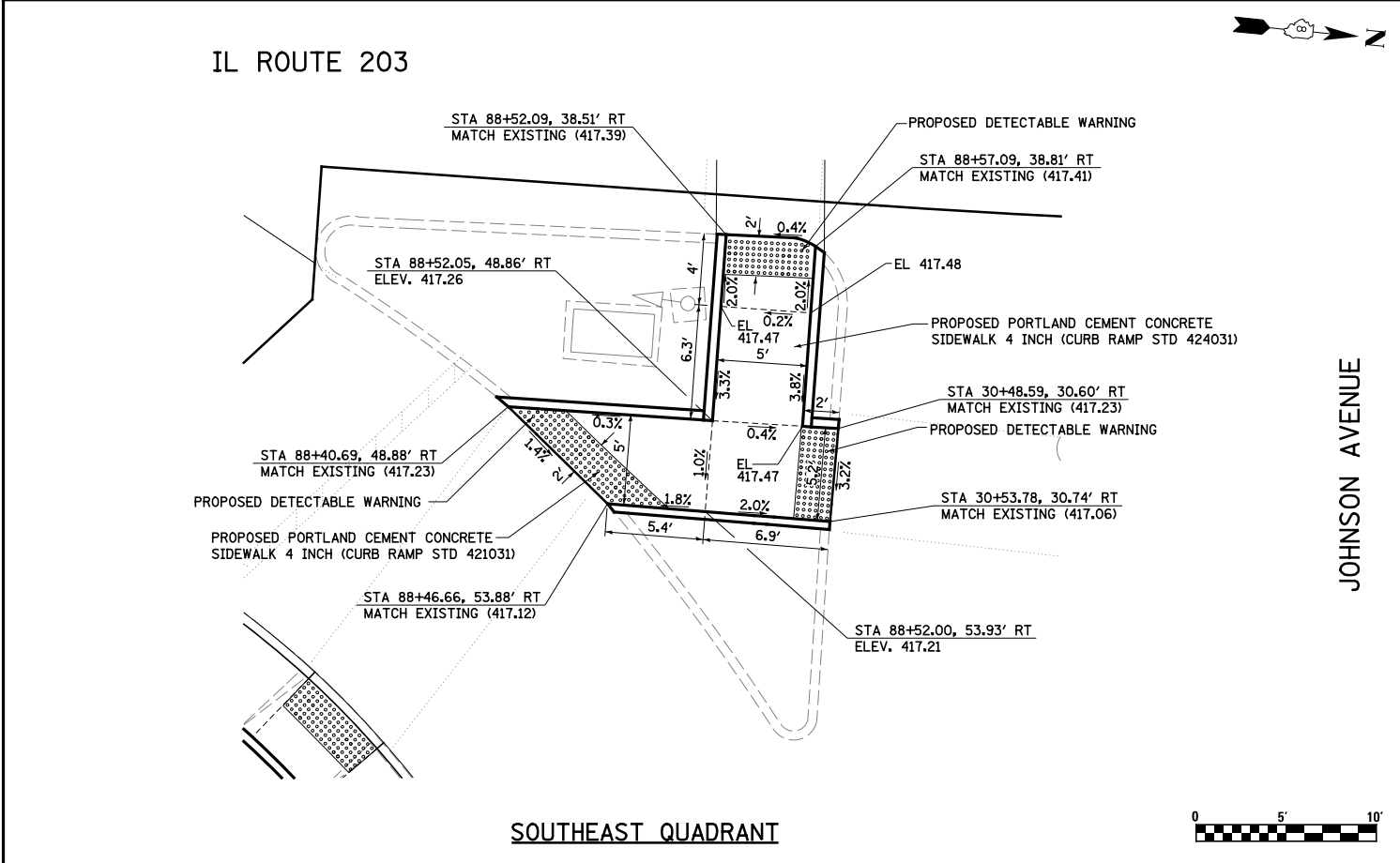
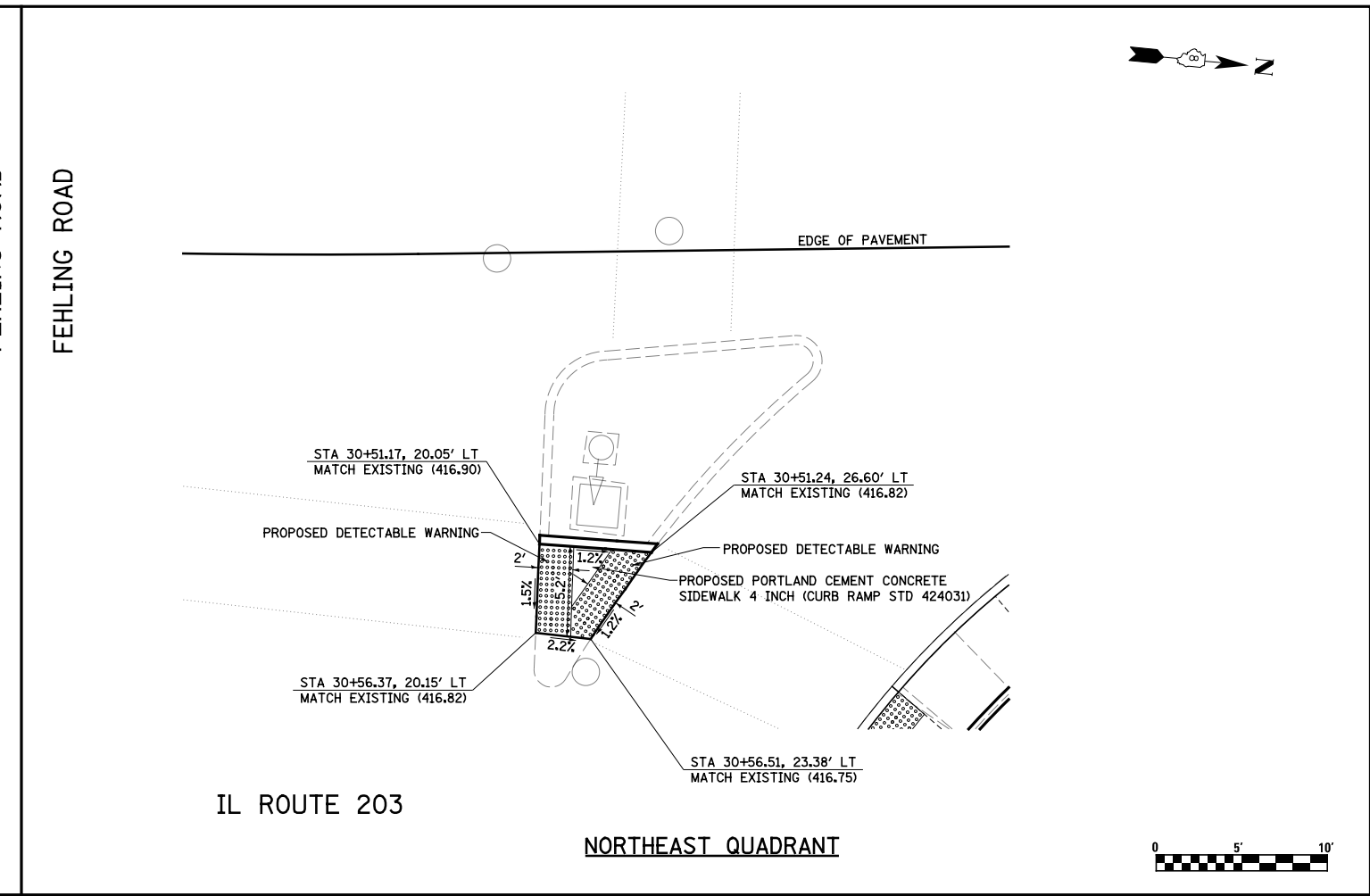
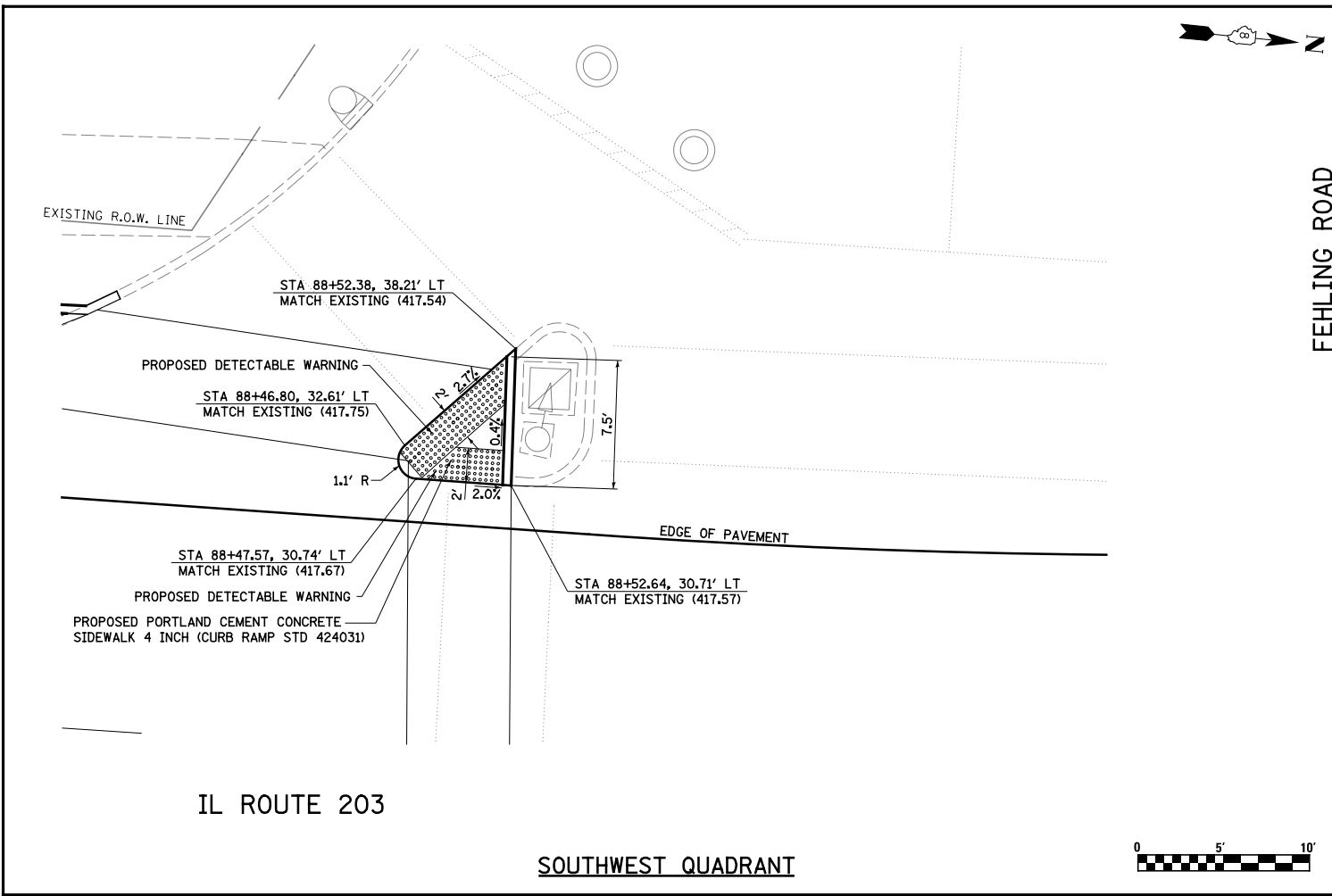
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
JILL AVENUE

SCALE: 1"=20' SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	25
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				

PROPOSED PORTLAND CEMENT CONCRETE



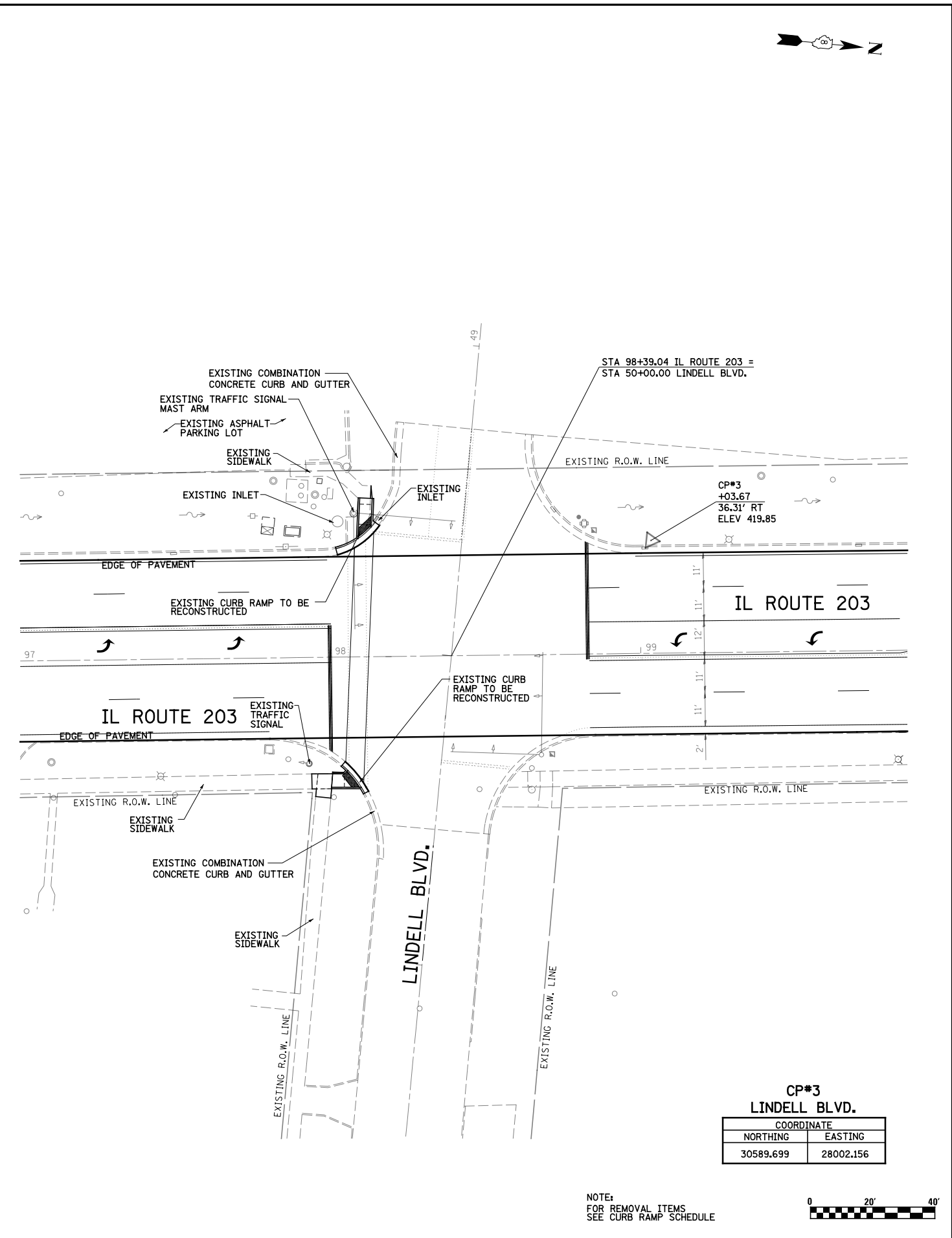
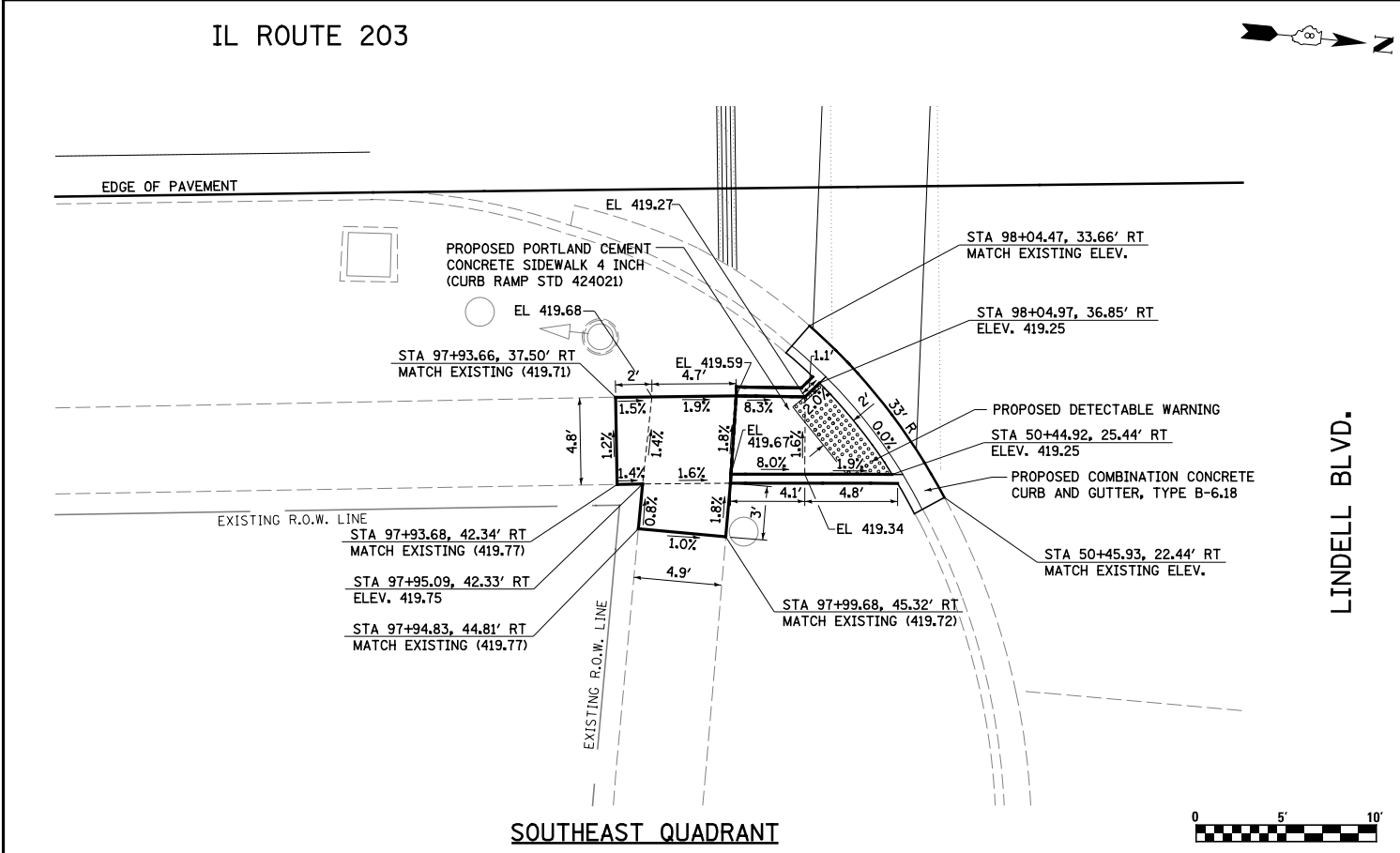
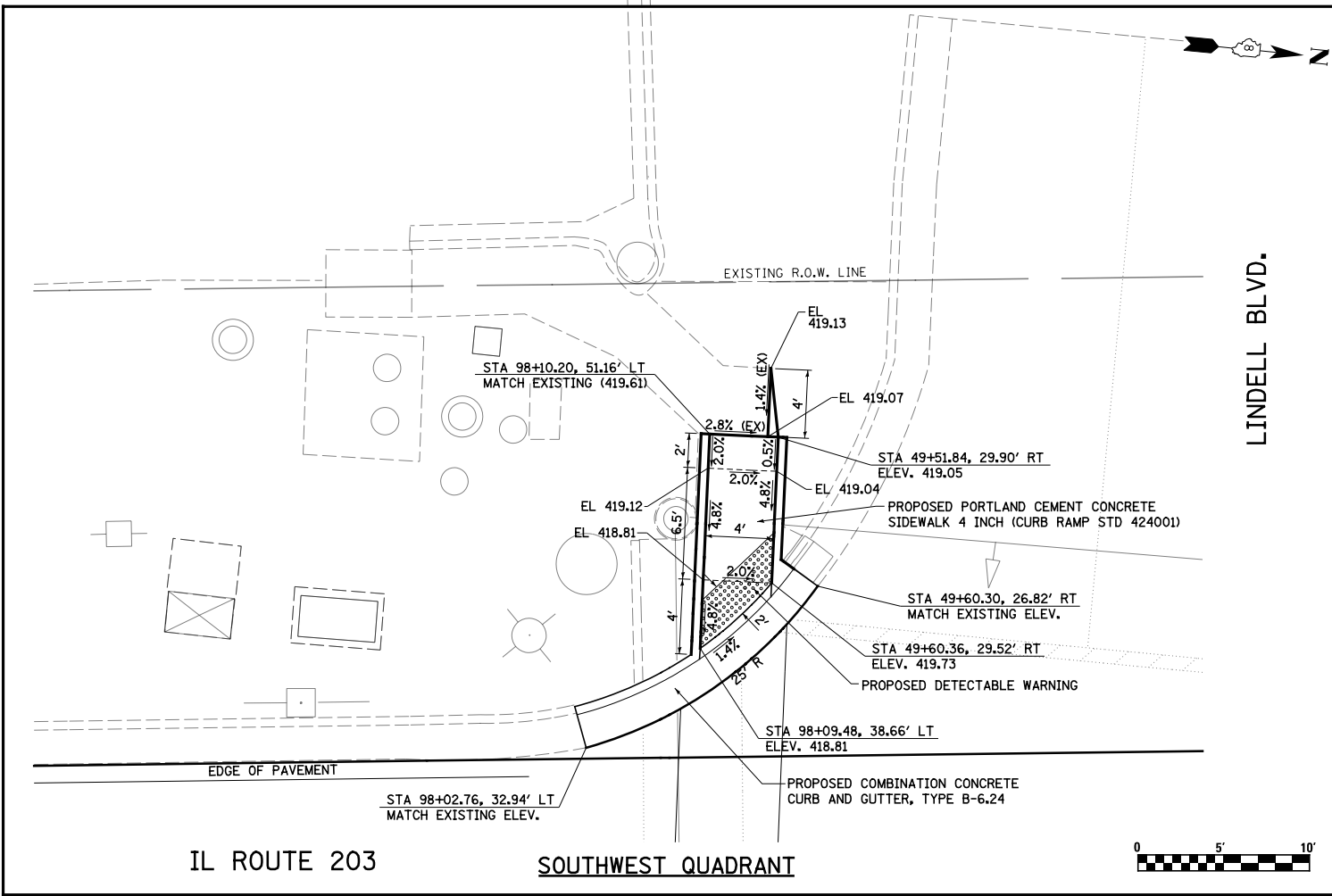
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	PLOT DATE = 6/5/2014	DATE - 4-17-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS
JOHNSON AVENUE**

SCALE: 1"=20' SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	27
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



CP#3
LINDELL BLVD.

COORDINATE	
NORTHING	EASTING
30589.699	28002.156

NOTE:
FOR REMOVAL ITEMS
SEE CURB RAMP SCHEDULE

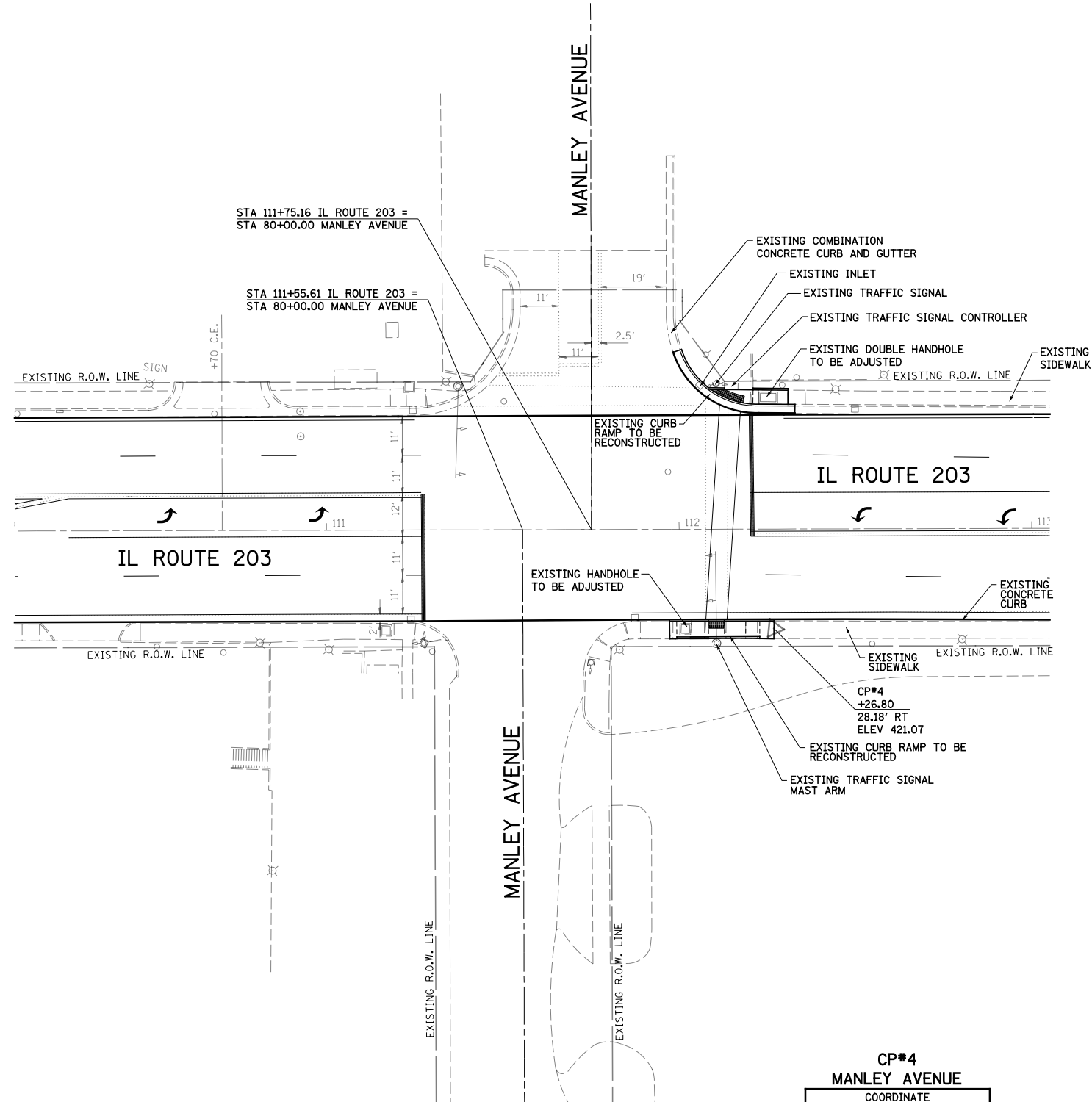
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	PLOT DATE = 6/5/2014	DATE - 4-17-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
LINDELL BLVD.

SCALE: 1"=20' SHEET NO. 4 OF 5 SHEETS STA. TO STA.

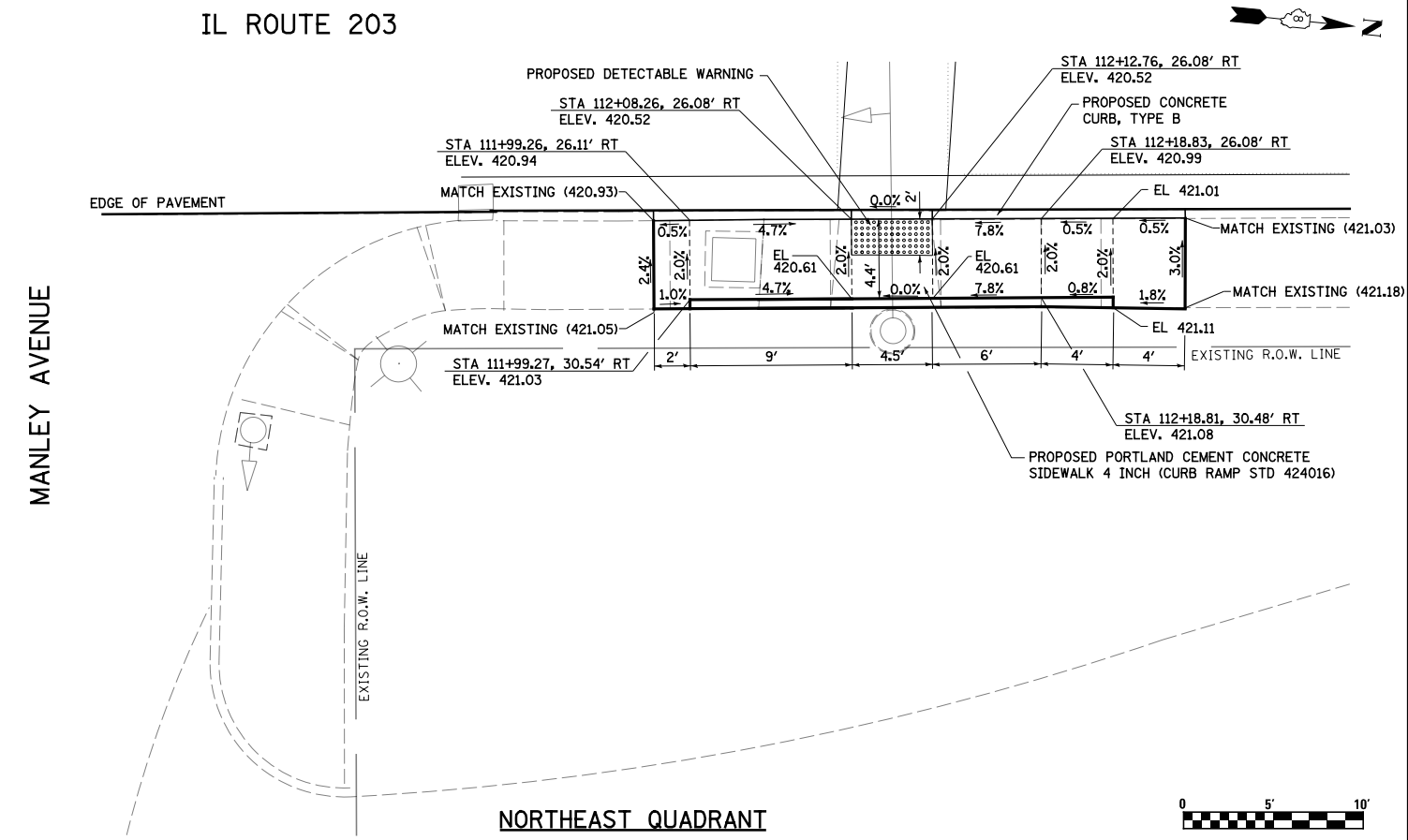
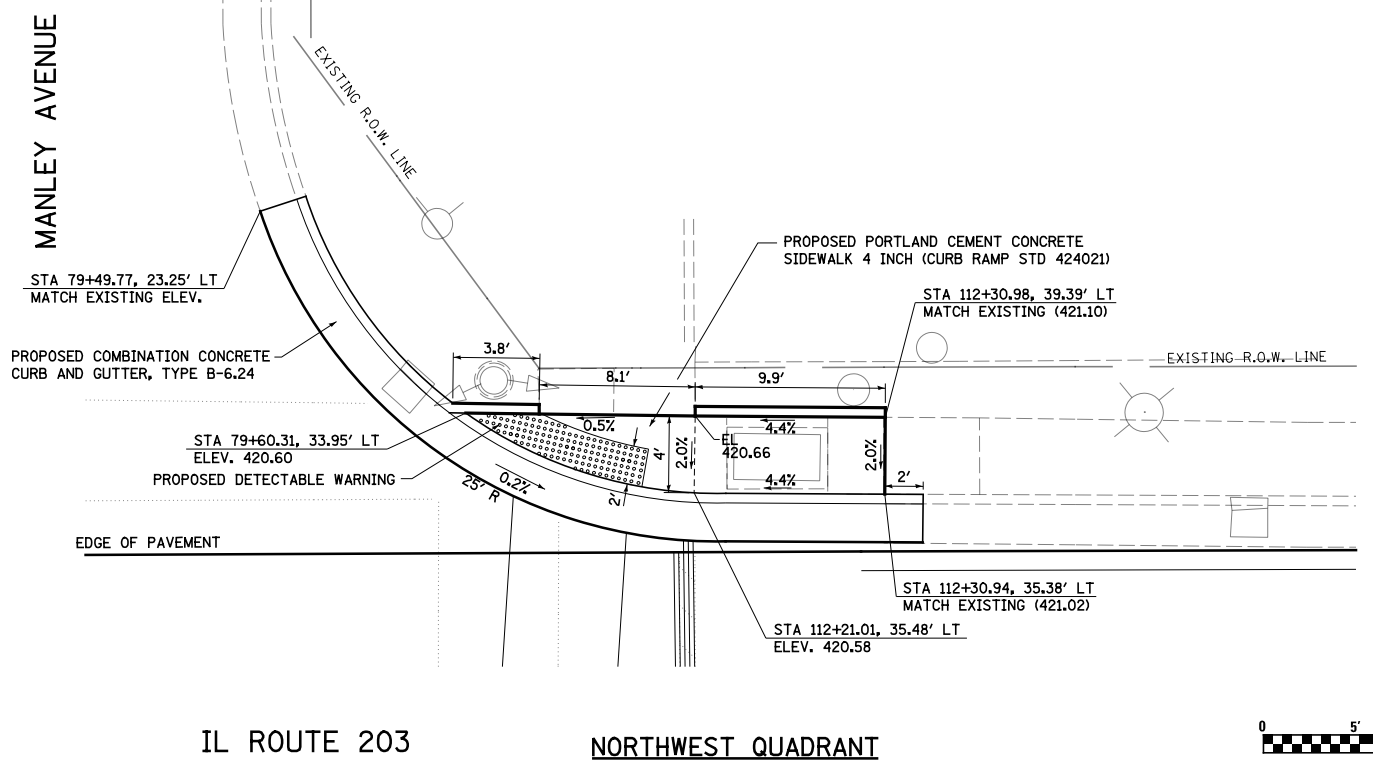
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	28
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



NOTE:
FOR REMOVAL ITEMS
SEE CURB RAMP SCHEDULE

CP#4
MANLEY AVENUE

COORDINATE	
NORTHING	EASTING
30402.929	29313.835



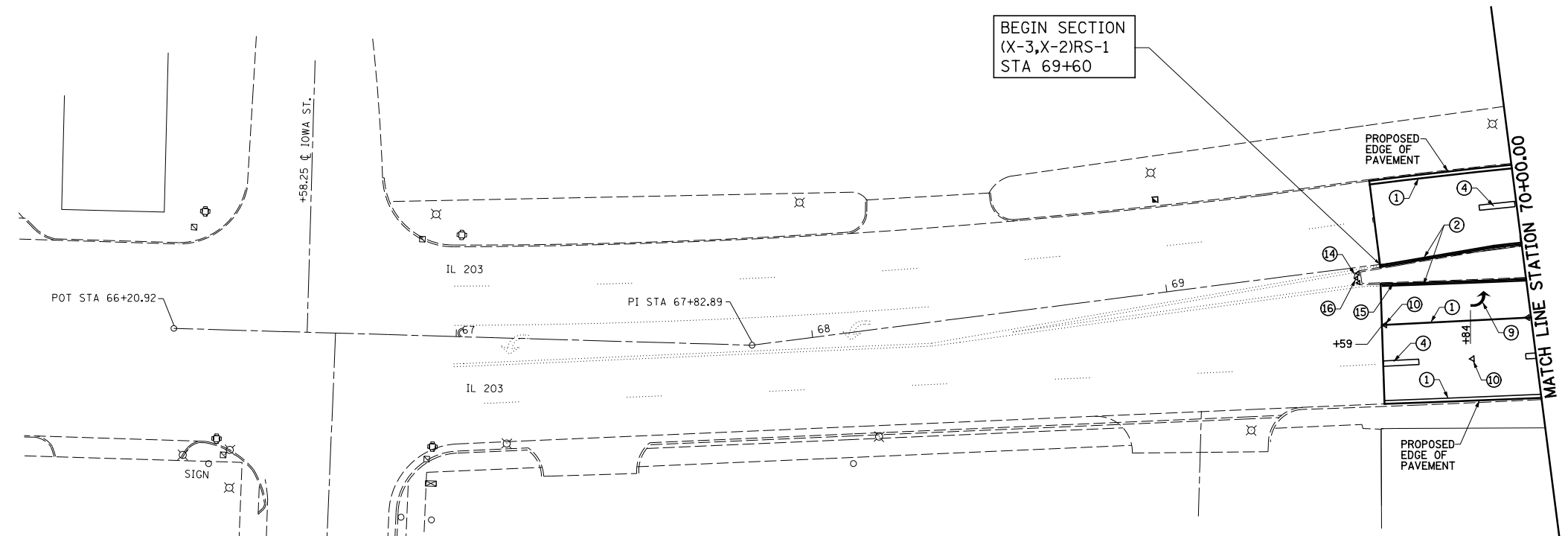
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	PLOT DATE = 6/5/2014	DATE - 4-17-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
MANLEY AVENUE

SCALE: 1"=20' SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	29
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10' - 30')
- ④ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH WHITE (10' - 30')
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH WHITE (2' - 6')
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 6" SOLID WHITE
- ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑧ THERMOPLASTIC PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY
- ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY
- ⑬ PAVEMENT MARKING REMOVAL
- ⑭ PAINT PAVEMENT MARKING CURB (NOSE)
- ⑮ PAINT PAVEMENT MARKING CURB (MEDIAN STRIPING)
- ⑯ PRISMATIC CURB REFLECTOR



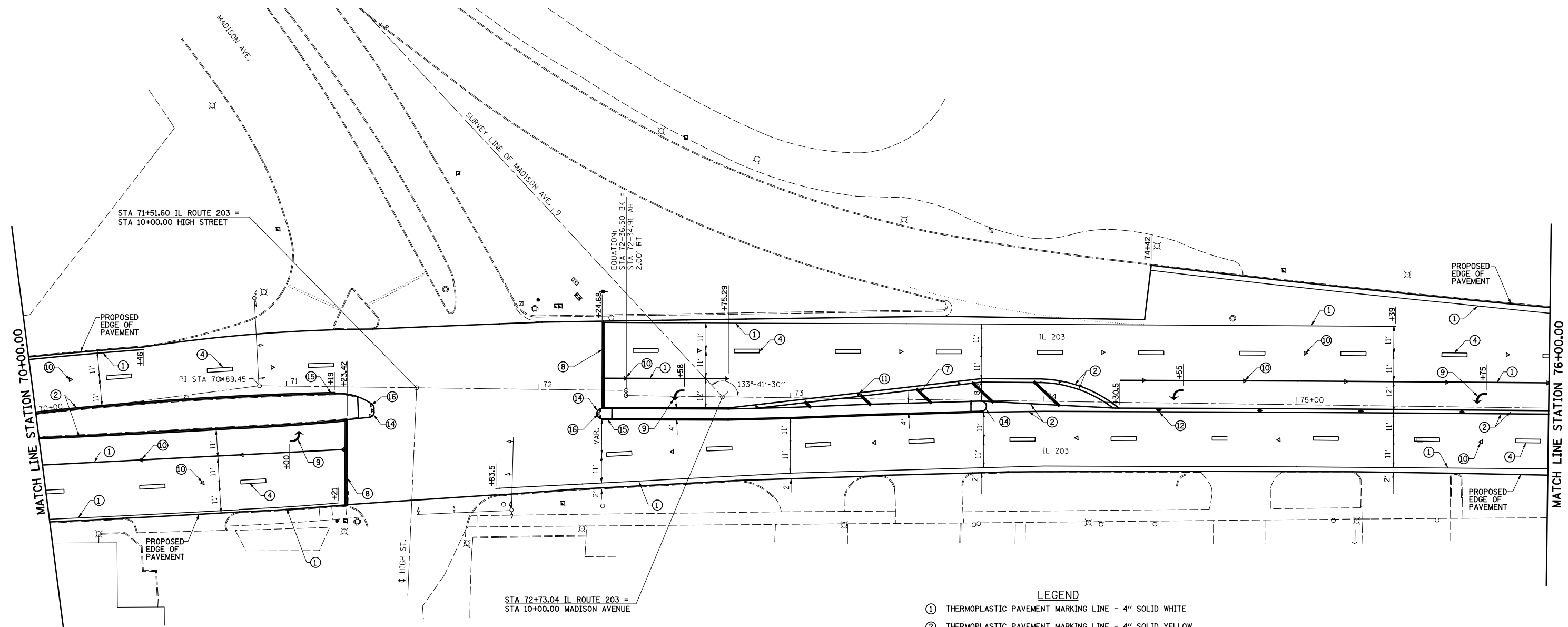
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: 1"=20' SHEET NO. 1 OF 11 SHEETS STA. TO STA. 70+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	30
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10' - 30')
- ④ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH WHITE (10' - 30')
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH WHITE (2' - 6')
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 6" SOLID WHITE
- ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑧ THERMOPLASTIC PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY
- ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY
- ⑬ PAVEMENT MARKING REMOVAL
- ⑭ PAINT PAVEMENT MARKING CURB (NOSE)
- ⑮ PAINT PAVEMENT MARKING CURB (MEDIAN STRIPING)
- ⑯ PRISMATIC CURB REFLECTOR



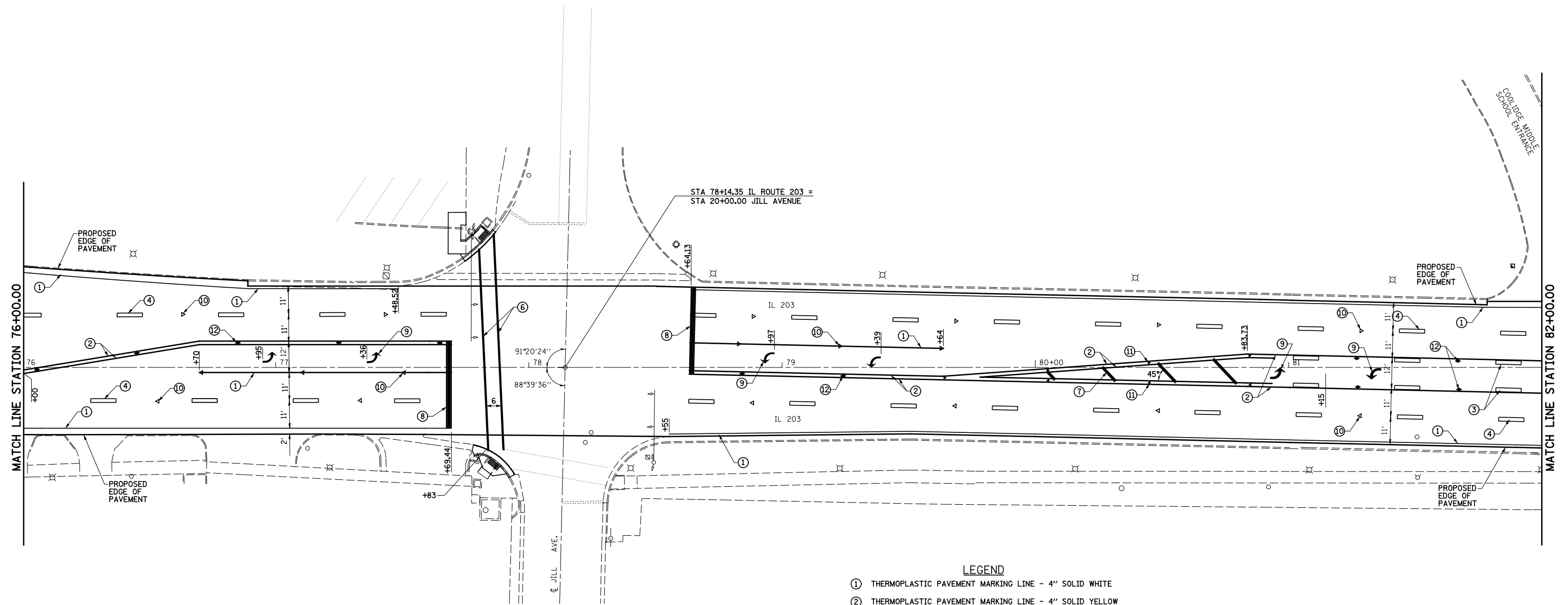
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		DATE - 3-17-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: 1"=20' SHEET NO. 2 OF 11 SHEETS STA. 70+00.00 TO STA. 76+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	31
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10' - 30')
- ④ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH WHITE (10' - 30')
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH WHITE (2' - 6')
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- ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑧ THERMOPLASTIC PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY
- ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY
- ⑬ PAVEMENT MARKING REMOVAL
- ⑭ PAINT PAVEMENT MARKING CURB (NOSE)
- ⑮ PAINT PAVEMENT MARKING CURB (MEDIAN STRIPING)
- ⑯ PRISMATIC CURB REFLECTOR

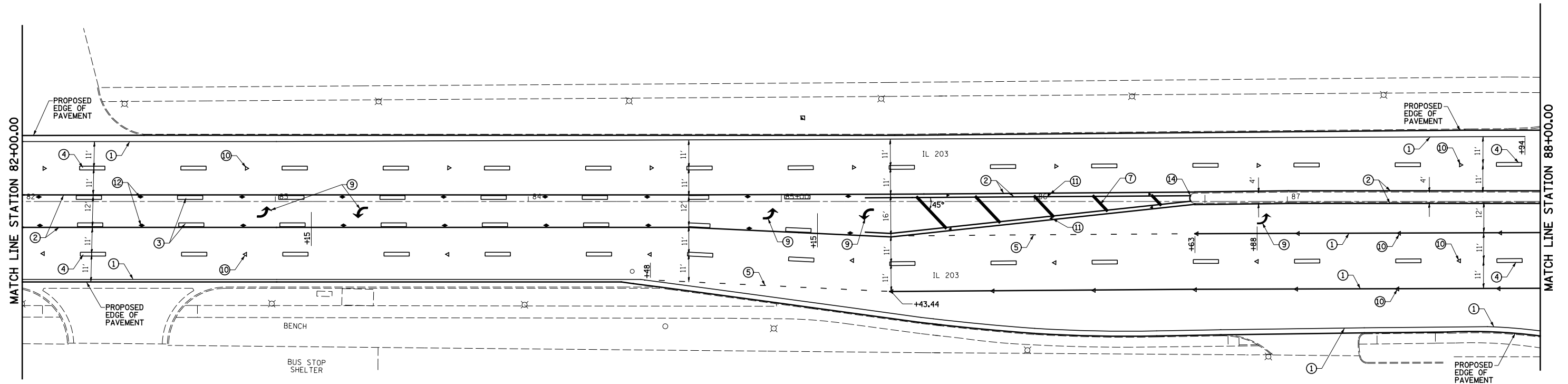


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

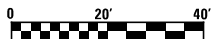
PAVEMENT MARKING DETAILS			
SCALE: 1"=20'	SHEET NO. 3 OF 11 SHEETS	STA. 76+00.00 TO STA. 82+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	32
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID YELLOW
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- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY
- ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY
- ⑬ PAVEMENT MARKING REMOVAL
- ⑭ PAINT PAVEMENT MARKING CURB (NOSE)
- ⑮ PAINT PAVEMENT MARKING CURB (MEDIAN STRIPING)
- ⑯ PRISMATIC CURB REFLECTOR



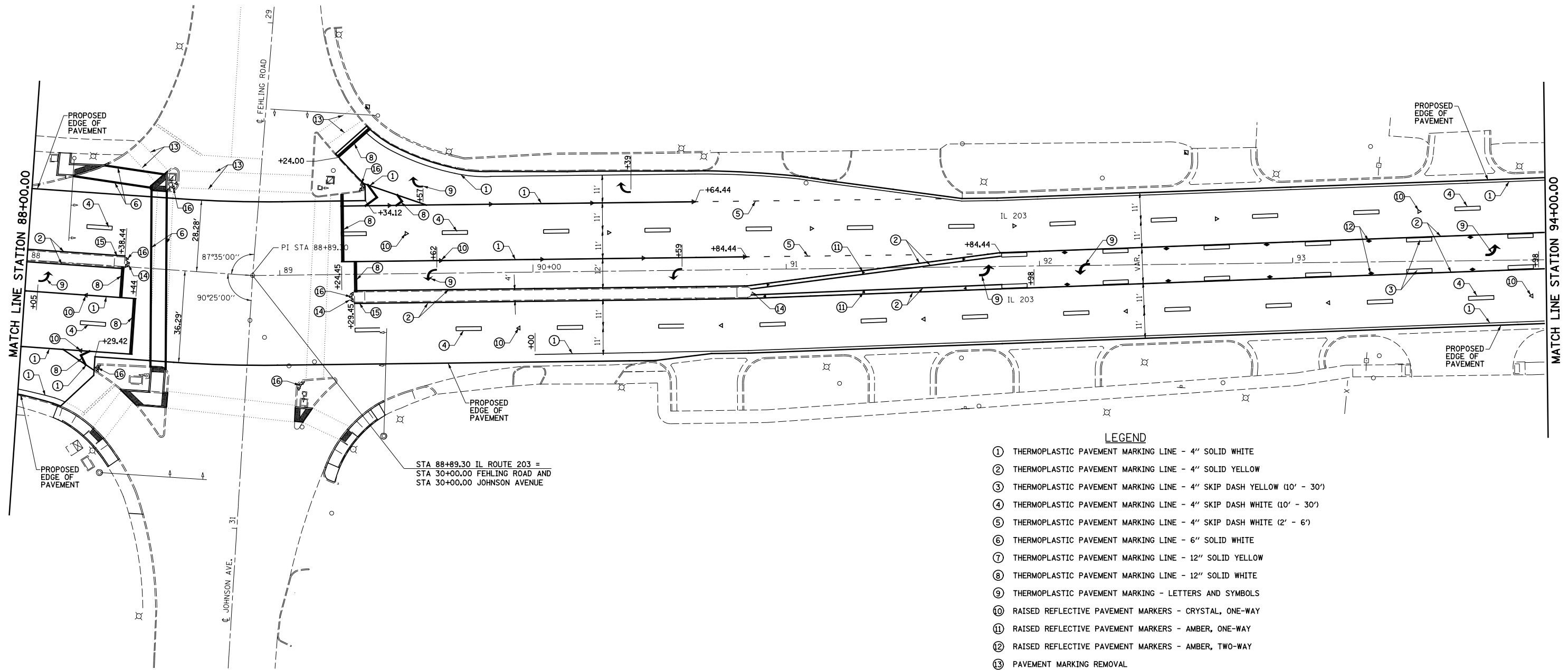
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	PLOT DATE = 6/5/2014	DATE - 3-17-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: 1"=20' SHEET NO. 4 OF 11 SHEETS STA. 82+00.00 TO STA. 88+00.00

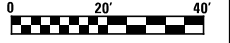
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	33
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



STA 88+89.30 IL ROUTE 203 =
 STA 30+00.00 FEHLING ROAD AND
 STA 30+00.00 JOHNSON AVENUE

LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10' - 30')
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- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY
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- ⑭ PAINT PAVEMENT MARKING CURB (NOSE)
- ⑮ PAINT PAVEMENT MARKING CURB (MEDIAN STRIPING)
- ⑯ PRISMATIC CURB REFLECTOR



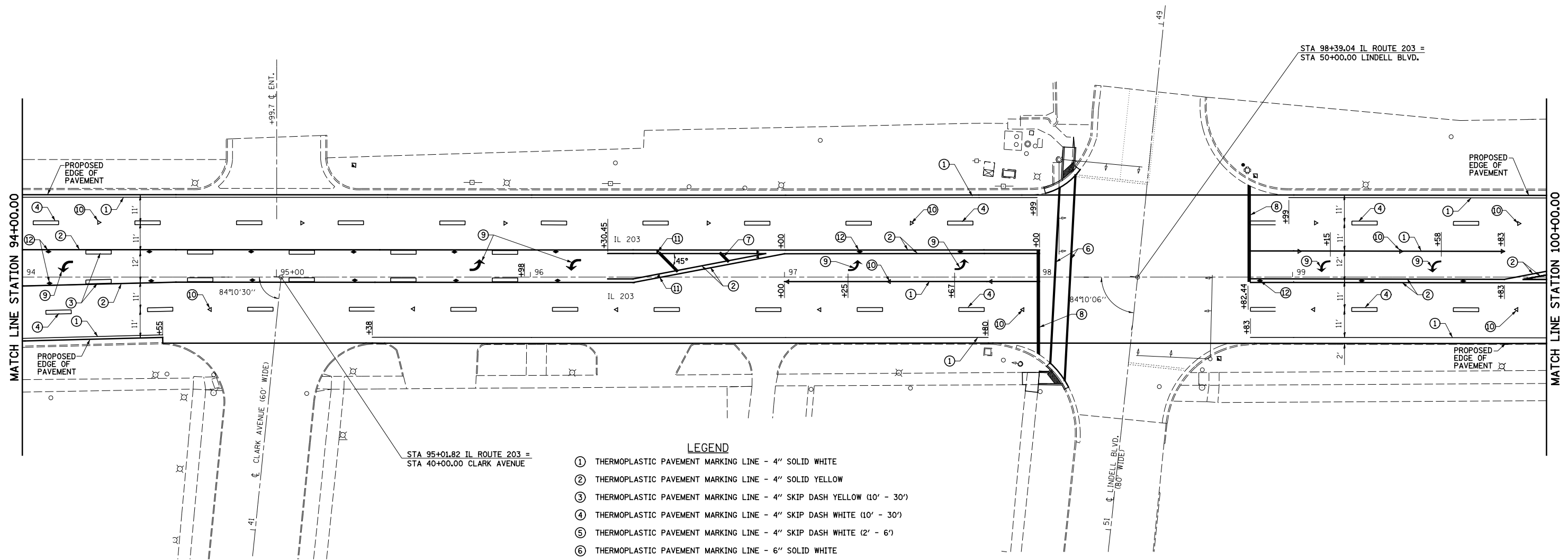
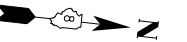
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: 1"=20' SHEET NO. 5 OF 11 SHEETS STA. 88+00.00 TO STA. 94+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	34
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				

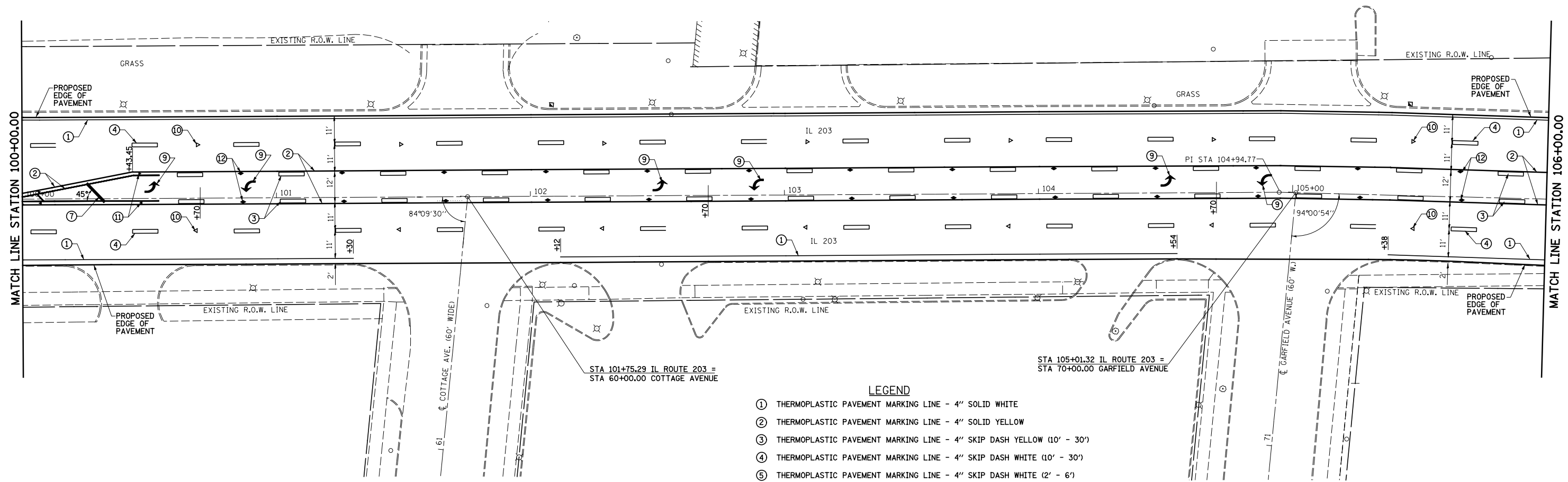


LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10' - 30')
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- ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY
- ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY
- ⑬ PAVEMENT MARKING REMOVAL
- ⑭ PAINT PAVEMENT MARKING CURB (NOSE)
- ⑮ PAINT PAVEMENT MARKING CURB (MEDIAN STRIPING)
- ⑯ PRISMATIC CURB REFLECTOR



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		DRAWN - PDB	REVISED -		SCALE: 1"=20'	SHEET NO. 6 OF 11 SHEETS	STA. 94+00.00 TO STA. 100+00.00	594	(X-3,X-2)RS-1	MADISON	52	35
		PLLOT SCALE = 48.000' / in.	CHECKED - JWS		REVISED -				CONTRACT NO. 76G24			
		PLLOT DATE = 6/5/2014	DATE - 3-17-14	REVISED -				ILLINOIS FED. AID PROJECT				



- LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID WHITE
 - ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID YELLOW
 - ③ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10' - 30')
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 - ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY
 - ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY
 - ⑬ PAVEMENT MARKING REMOVAL
 - ⑭ PAINT PAVEMENT MARKING CURB (NOSE)
 - ⑮ PAINT PAVEMENT MARKING CURB (MEDIAN STRIPING)
 - ⑯ PRISMATIC CURB REFLECTOR

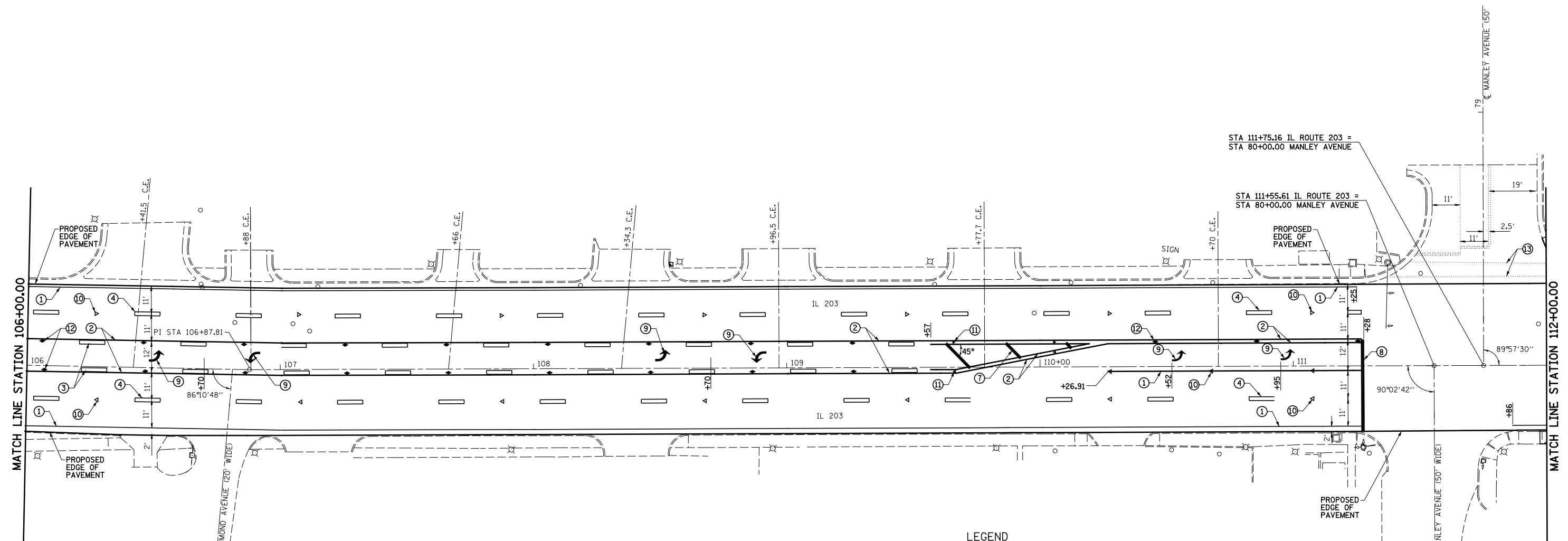


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS		
SCALE: 1"=20'	SHEET NO. 7 OF 11 SHEETS	STA. 100+00.00 TO STA. 106+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	36
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10' - 30')
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- ⑮ PAINT PAVEMENT MARKING CURB (MEDIAN STRIPING)
- ⑯ PRISMATIC CURB REFLECTOR



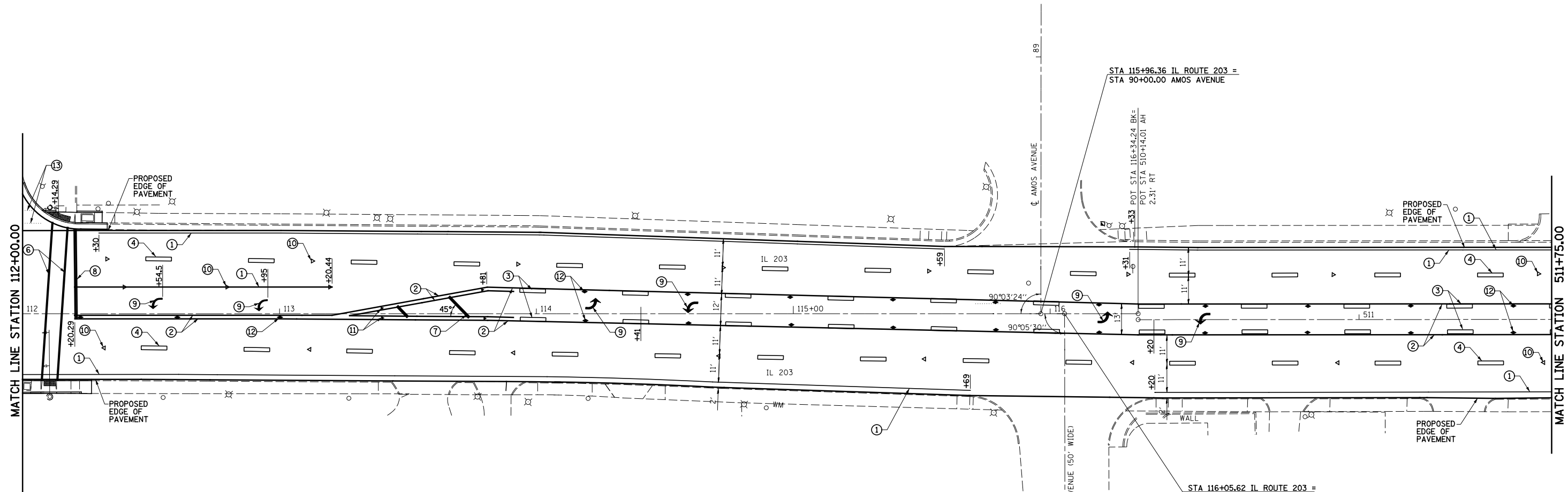
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	PLOT SCALE = 48.000' / in.	CHECKED - JWS	REVISED -
	PLOT DATE = 6/5/2014	DATE - 3-17-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

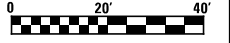
SCALE: 1"=20' SHEET NO. 8 OF 11 SHEETS STA. 106+00.00 TO STA. 112+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	37
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10' - 30')
- ④ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH WHITE (10' - 30')
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH WHITE (2' - 6')
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 6" SOLID WHITE
- ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑧ THERMOPLASTIC PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY
- ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY
- ⑬ PAVEMENT MARKING REMOVAL
- ⑭ PAINT PAVEMENT MARKING CURB (NOSE)
- ⑮ PAINT PAVEMENT MARKING CURB (MEDIAN STRIPING)
- ⑯ PRISMATIC CURB REFLECTOR



FILE NAME =	USER NAME = betsy	DESIGNED - ESW	REVISED - 5-30-14
#FILE#		DRAWN - PDB	REVISED -
	PLOT SCALE = 48.000' / in.	CHECKED - JWS	REVISED -
	PLOT DATE = 6/5/2014	DATE - 3-17-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

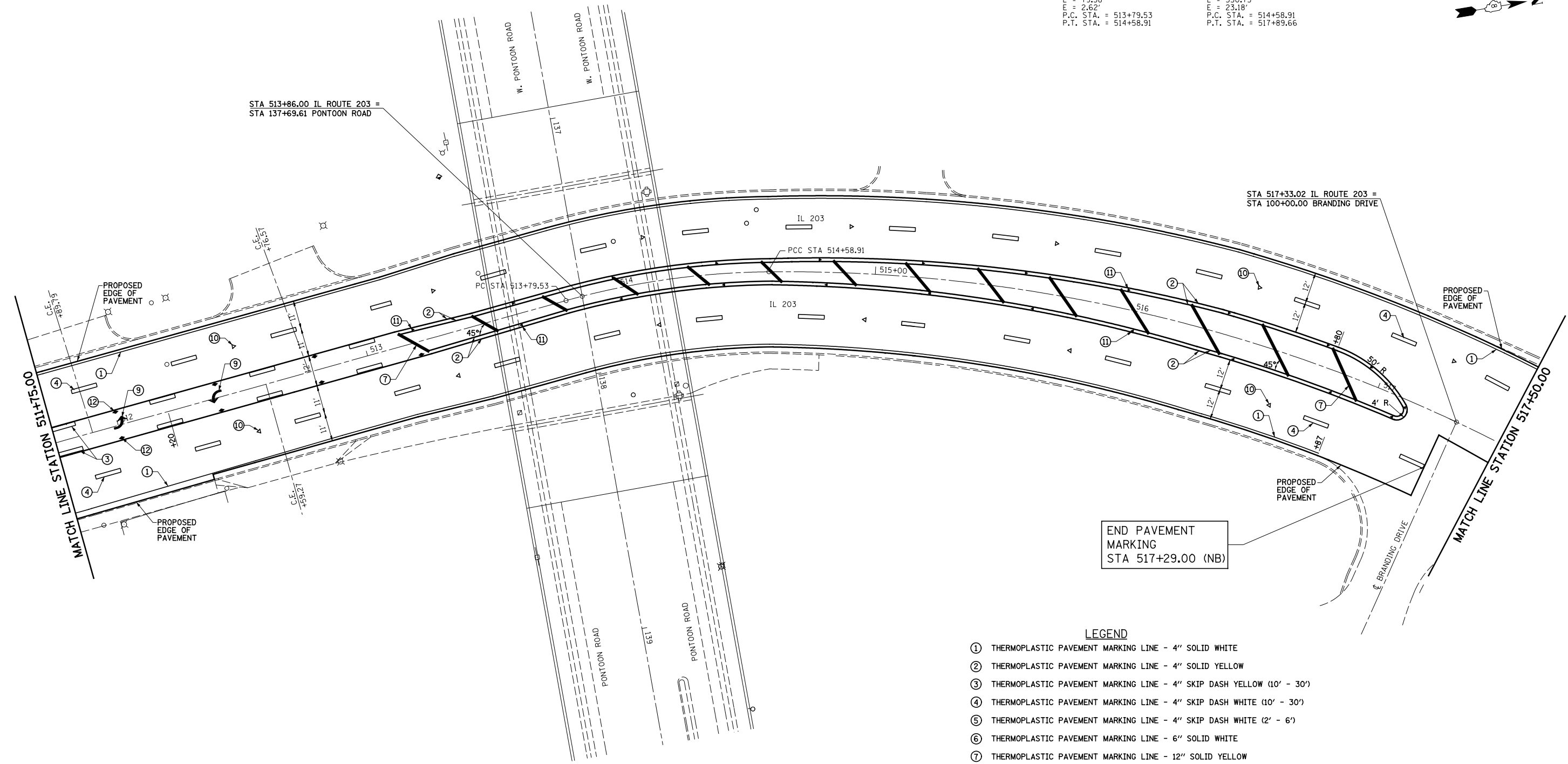
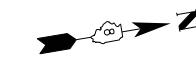
PAVEMENT MARKING DETAILS

SCALE: 1"=20' SHEET NO. 9 OF 11 SHEETS STA. 112+00.00 TO STA. 511+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	38
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				

EXIST. CURVE F-3
 PI STA. = 514+19.45
 $\Delta = 15^\circ 00' 20''$ (RT)
 $D = 18^\circ 54' 12''$
 $R = 303.10'$
 $T = 39.92'$
 $L = 79.38'$
 $E = 2.62'$
 P.C. STA. = 513+79.53
 P.T. STA. = 514+58.91

EXIST. CURVE F-4
 PI STA. = 516+28.48
 $\Delta = 31^\circ 08' 14''$ (RT)
 $D = 9^\circ 24' 51''$
 $R = 608.61'$
 $T = 169.57'$
 $L = 330.75'$
 $E = 23.18'$
 P.C. STA. = 514+58.91
 P.T. STA. = 517+89.66

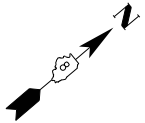


LEGEND

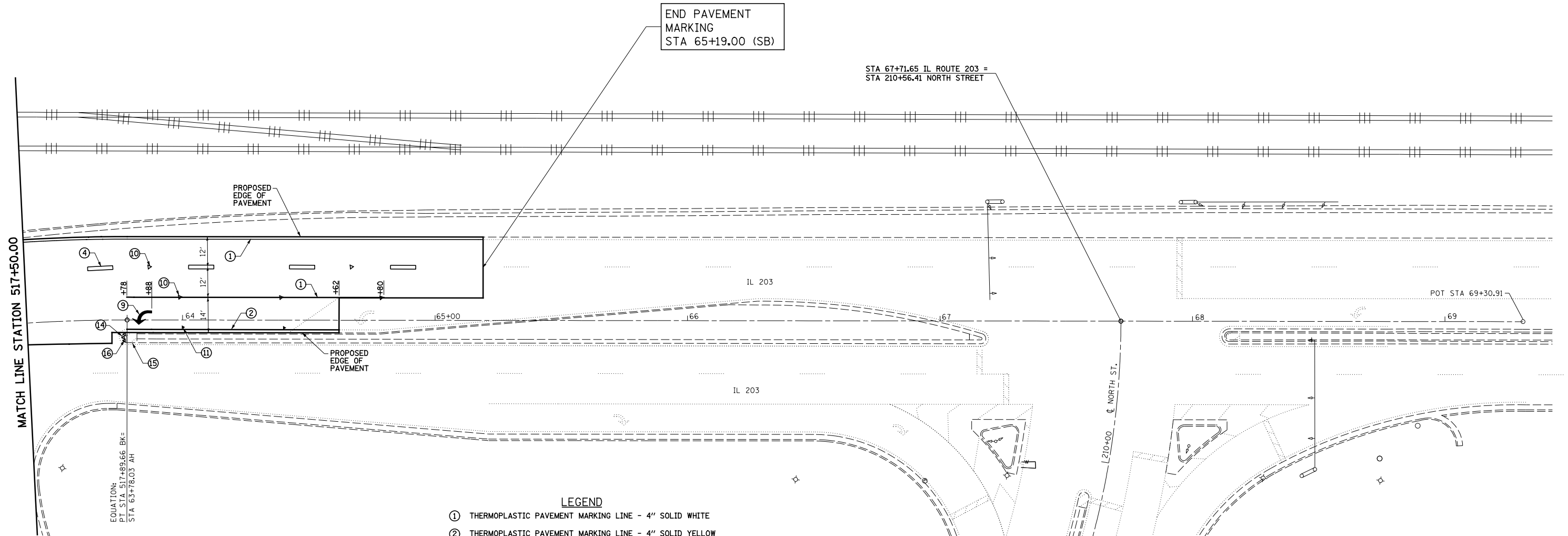
- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10' - 30')
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- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY
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- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY
- ⑬ PAVEMENT MARKING REMOVAL
- ⑭ PAINT PAVEMENT MARKING CURB (NOSE)
- ⑮ PAINT PAVEMENT MARKING CURB (MEDIAN STRIPING)
- ⑯ PRISMATIC CURB REFLECTOR



FILE NAME = #FILEL\$	USER NAME = betsy	DESIGNED - ESW	REVISED - 5-30-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING DETAILS			F.A.P. RTE. 594	SECTION (X-3,X-2)RS-1	COUNTY MADISON	TOTAL SHEETS 52	SHEET NO. 39
	PLOT SCALE = 40.000' / in.	CHECKED - JWS	REVISED -		SCALE: 1"=20'	SHEET NO. 10 OF 11 SHEETS	STA. 511+75.00 TO STA. 517+50.00	CONTRACT NO. 76G24				
	PLOT DATE = 6/5/2014	DATE - 3-17-14	REVISED -		ILLINOIS FED. AID PROJECT							



EXIST. CURVE F-4
 PI STA. = 516+28.48
 $\Delta = 31^\circ 08' 14''$ (RT)
 $D = 9^\circ 24' 51''$
 $R = 608.61'$
 $T = 169.57'$
 $L = 330.75'$
 $E = 23.18'$
 P.C. STA. = 514+58.91
 P.T. STA. = 517+89.66



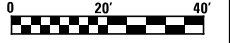
END PAVEMENT
 MARKING
 STA 65+19.00 (SB)

STA 67+71.65 IL ROUTE 203 =
 STA 210+56.41 NORTH STREET

MATCH LINE STATION 517+50.00

EQUATION:
 PI STA 517+89.66 BK=
 STA 63+78.03 AH

- LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID WHITE
 - ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" SOLID YELLOW
 - ③ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10' - 30')
 - ④ THERMOPLASTIC PAVEMENT MARKING LINE - 4" SKIP DASH WHITE (10' - 30')
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 - ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
 - ⑩ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY
 - ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY
 - ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY
 - ⑬ PAVEMENT MARKING REMOVAL
 - ⑭ PAINT PAVEMENT MARKING CURB (NOSE)
 - ⑮ PAINT PAVEMENT MARKING CURB (MEDIAN STRIPING)
 - ⑯ PRISMATIC CURB REFLECTOR



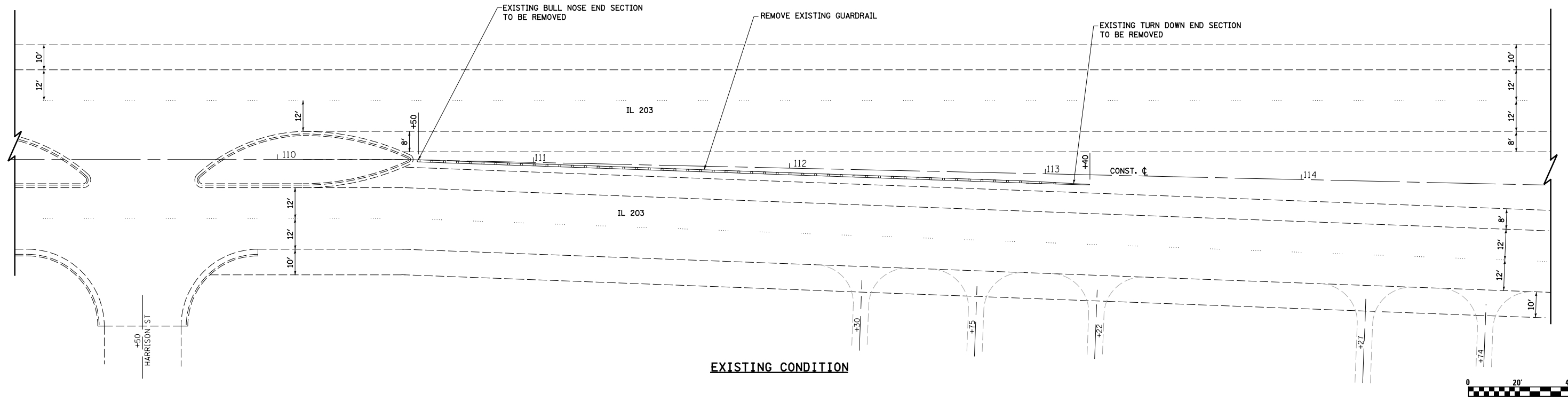
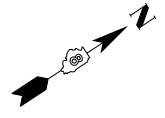
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	PLOT SCALE = 48.000' / in.	CHECKED - JWS	REVISED -
	PLOT DATE = 6/5/2014	DATE - 3-17-14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

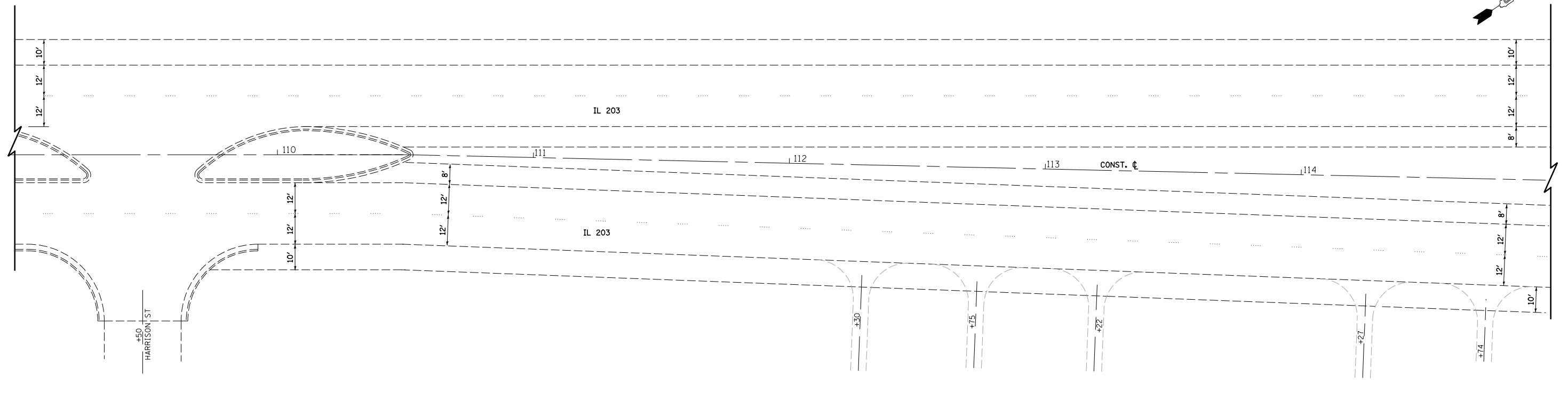
PAVEMENT MARKING DETAILS
 SCALE: 1"=20' SHEET NO. 11 OF 11 SHEETS STA. 517+50.00 TO STA. 523+42.54

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	40
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				

GUARDRAIL LOCATION #1



EXISTING CONDITION



PROPOSED CONDITION

FILE NAME =	USER NAME = betsy	DESIGNED - ESW	REVISED -
S:\Projects\409-0028-ZHY IL 203 3P\dgn\CADD Sheets\076624-sh1-details guardrail.dgn		DRAWN - PDB	REVISED -
PLOT SCALE = 48.0000' / in.		CHECKED - JWS	REVISED -
PLOT DATE = 5/6/2014		DATE - 3-18-14	REVISED -

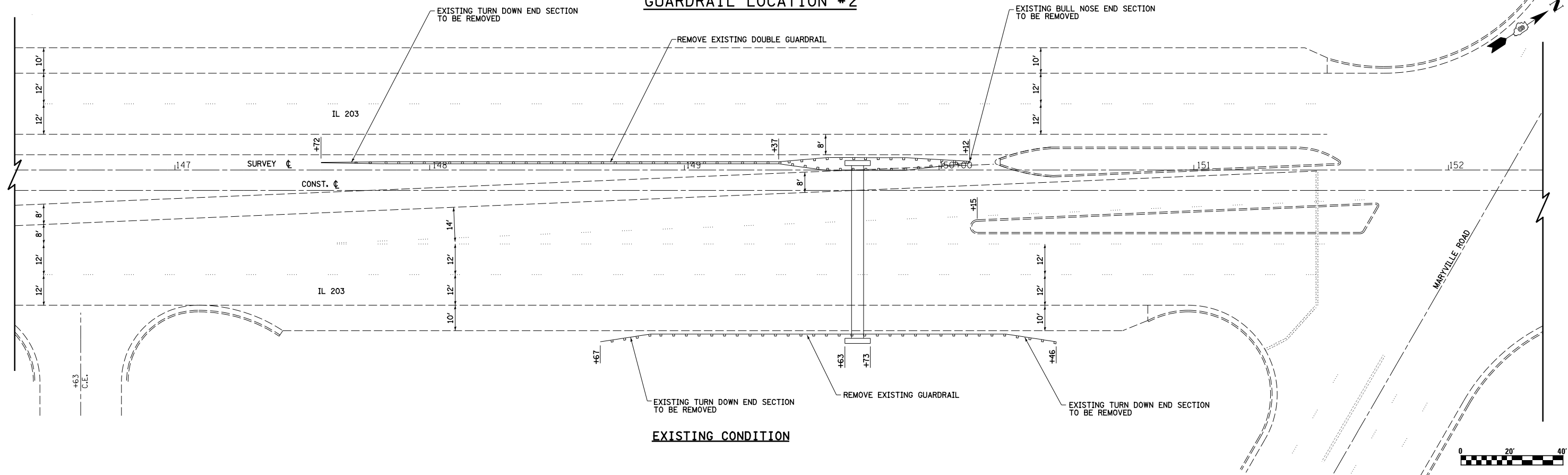
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

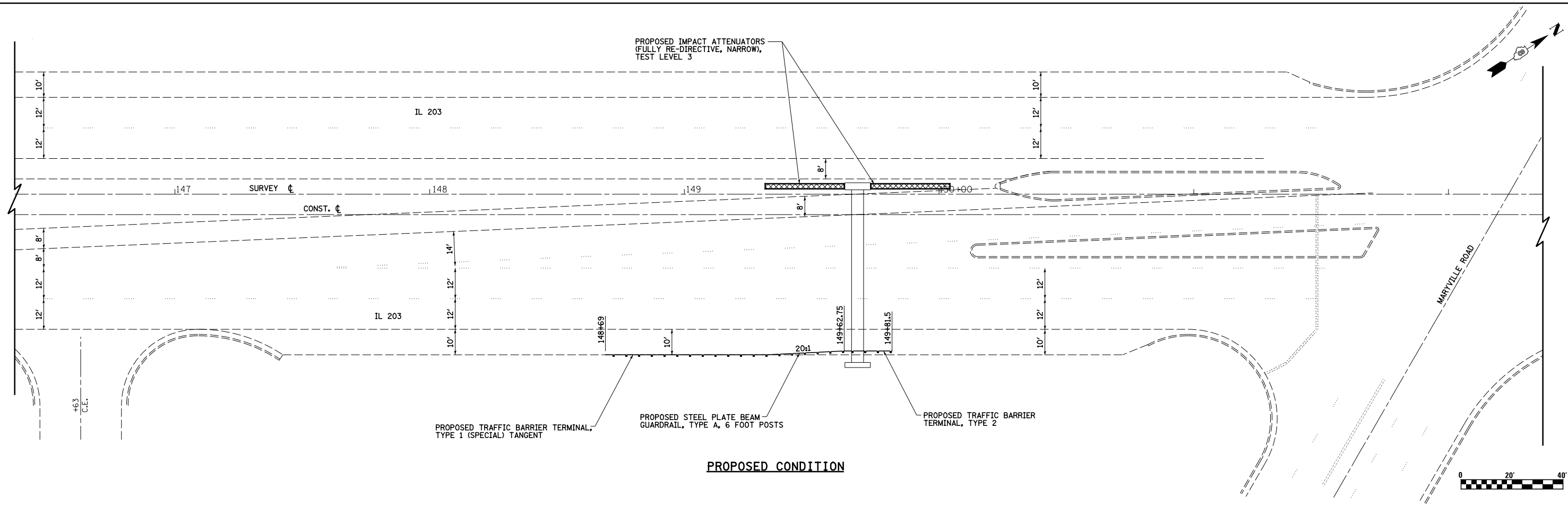
SCALE: 1"=20' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	41
CONTRACT NO. 76G24				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

GUARDRAIL LOCATION #2



EXISTING CONDITION



PROPOSED CONDITION

FILE NAME =	USER NAME = betsy	DESIGNED - ESW	REVISED -
Sn\Projects\409-0028-ZHY IL 203 3P\dgn\CADD Sheets\076624-sh1-details guardrail.dgn		DRAWN - PDB	REVISED -
PLOT SCALE = 40.0000' / in.		CHECKED - JWS	REVISED -
PLOT DATE = 5/6/2014		DATE - 3-18-14	REVISED -

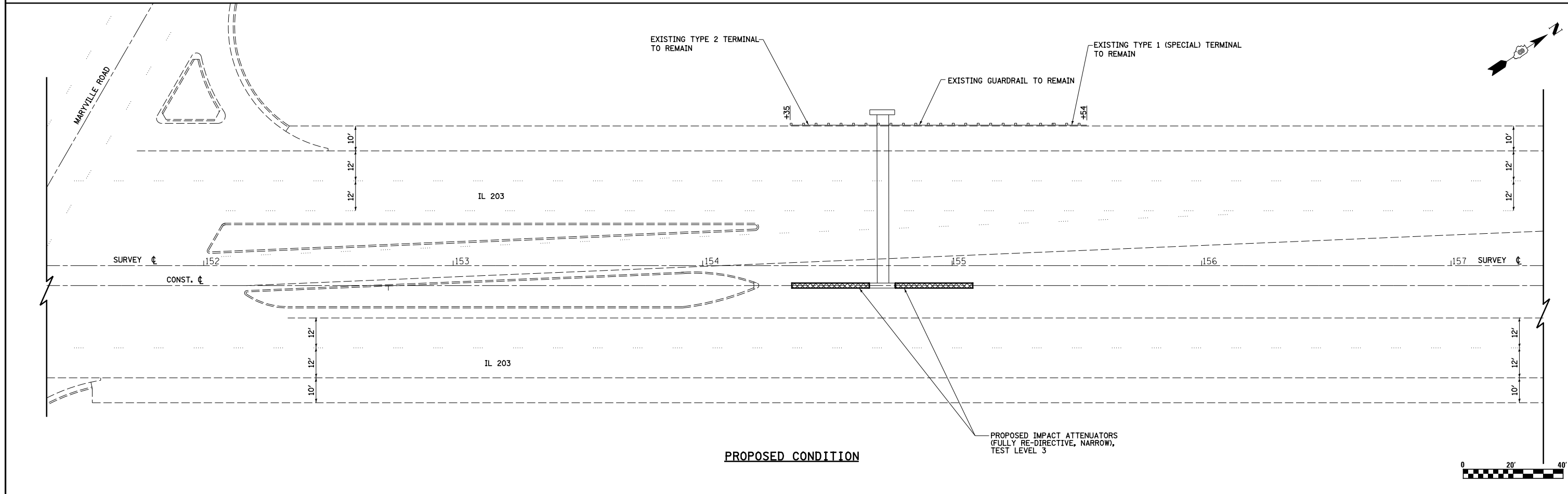
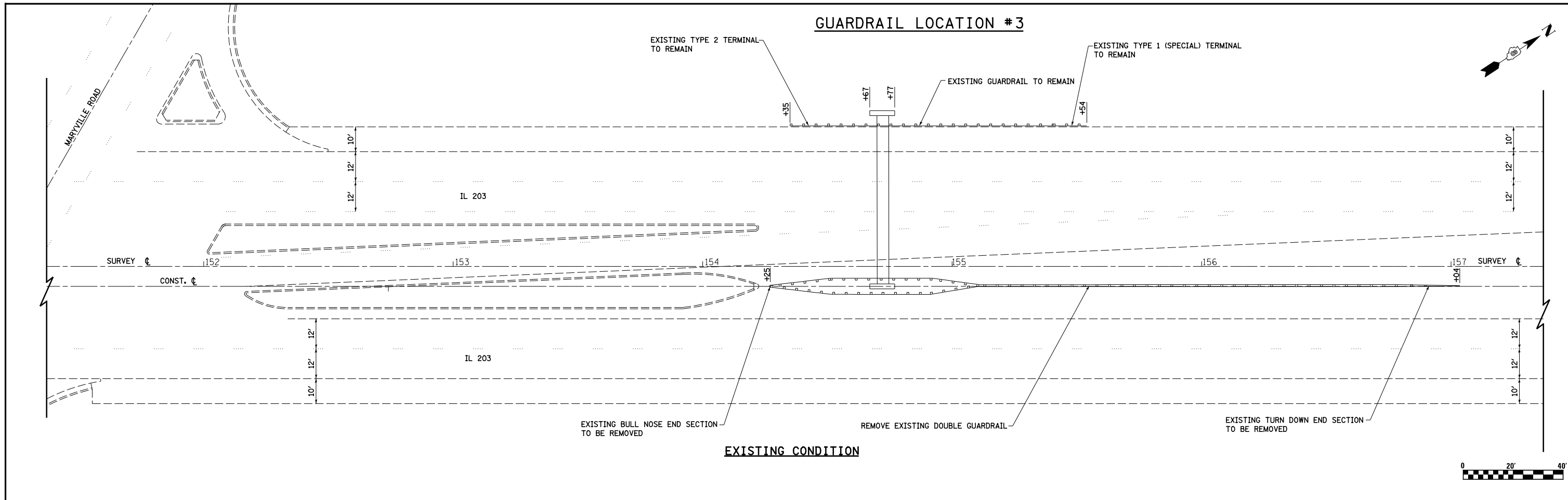
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

SCALE: 1"=20' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

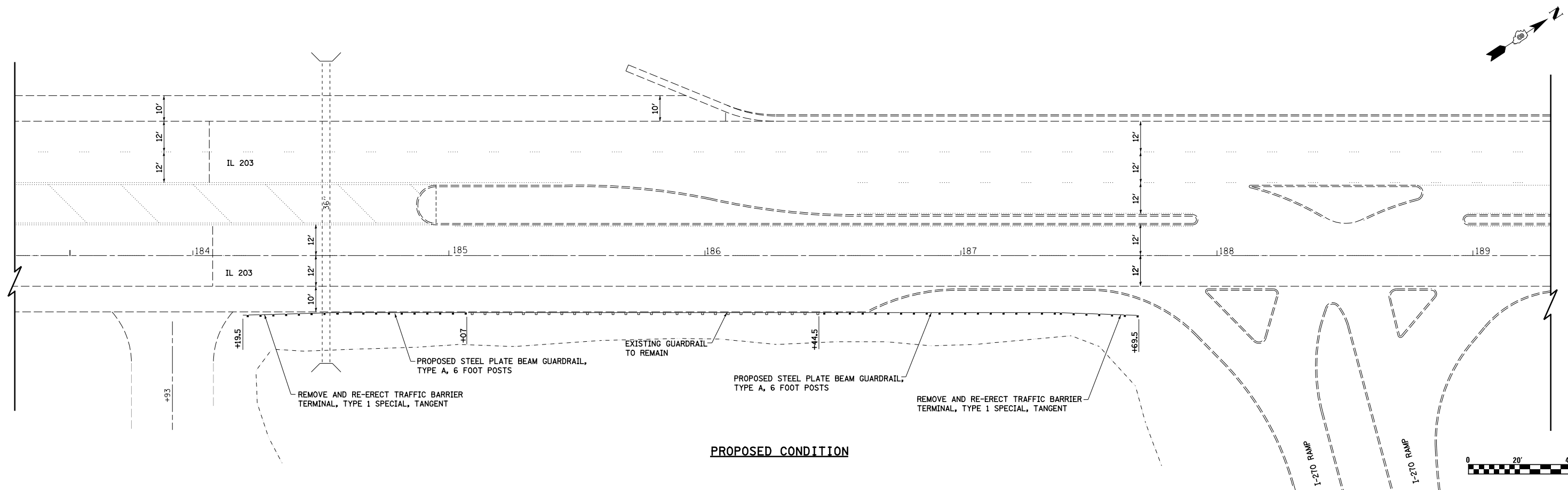
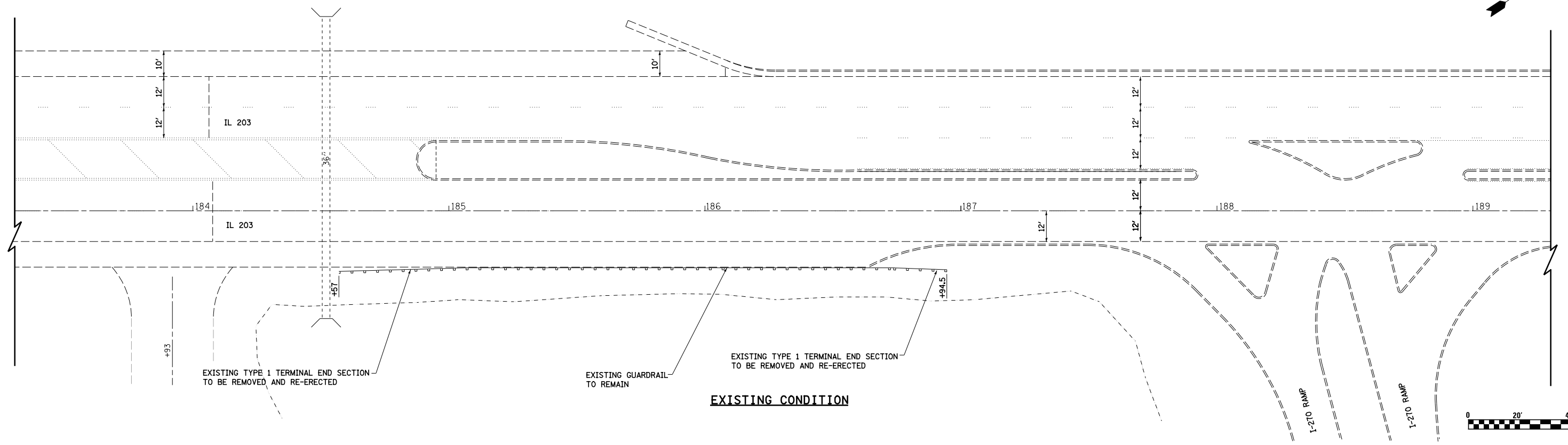
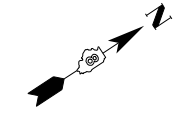
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	42
CONTRACT NO. 76G24				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

GUARDRAIL LOCATION #3



FILE NAME =	USER NAME = betsy	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\409-0028-ZHY_IL_203\3P\dgn\CADD Sheets\076624-sh1-details guardrail.dgn		DRAWN - PDB	REVISED -		594	(X-3,X-2)RS-1	MADISON	52	43			
PLOT SCALE = 48.0000' / in.		CHECKED - JWS	REVISED -		SCALE: 1"=20' SHEET NO. 3 OF 4 SHEETS STA. TO STA.			CONTRACT NO. 76G24				
PLOT DATE = 5/6/2014		DATE - 3-18-14	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

GUARDRAIL LOCATION #4



FILE NAME = S:\Projects\409-0028-ZHY IL 203 3P\dgn\CADD Sheets\076624-sh1-details guardrail.dgn	USER NAME = betsy	DESIGNED - ESW	REVISED - 5-30-2014
PLOT SCALE = 48.0000' / in.		DRAWN - PDB	REVISED -
PLOT DATE = 6/5/2014		CHECKED - JWS	REVISED -
		DATE - 3-18-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

SCALE: 1"=20' SHEET NO. 4 OF 4 SHEETS STA. TO STA.

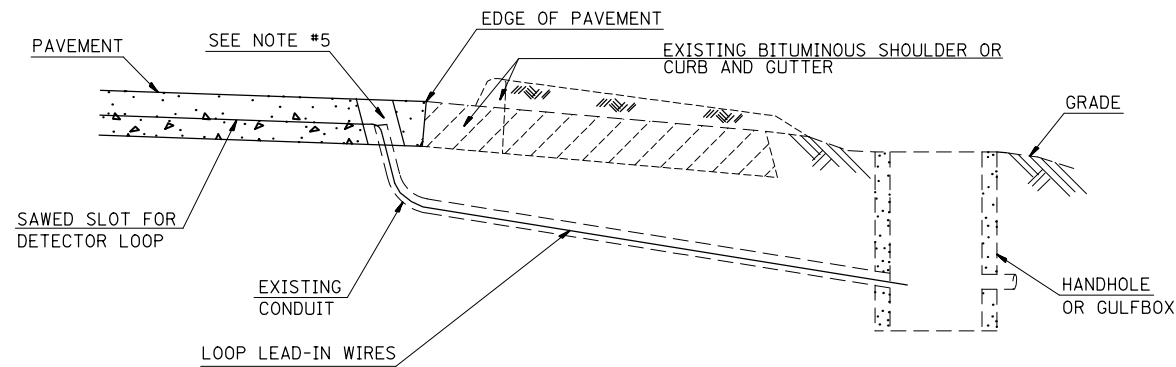
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	44
CONTRACT NO. 76G24				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS"
FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.

SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES
IN EXISTING CONDUITS.

SCHEDULE OF QUANTITIES			TOTAL	IL 203	IL 203	IL 203	IL 203	IL 203
CODE NO	ITEM	UNIT	QUANTITIES	MADISON AVE.	JILL AVE.	FEHLING RD.	LINDELL AVE.	MANLEY AVE.
805000	LOCATING UNDERGROUND CABLE	FOOT	100	20	20	20	20	20
806000	DETECTOR LOOP REPLACEMENT	FOOT	1903	380	383	385	374	381



DETAIL A
(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 OR GULFBOX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBOX.
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"

DETECTOR LOOP REPLACEMENT LEGEND

- ☒ EX. HANDHOLE
- EX. DETECTOR LOOP
- ☒ EX. TRAFFIC SIGNAL CONTROLLER
- EXISTING CONDUIT
- ▭ PROPOSED DETECTOR LOOP

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN GENERAL NOTES, SCHEDULE OF QUANTITIES, DETAIL AND LEGEND			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\idot\prestonme\d0332003\d876g24-sht-TS.dgn	DRAWN -	REVISED -	594					(X-3,X-2)RS-1	MADISON	52	45	
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 76G24									
PLOT DATE = 5/7/2014	DATE -	REVISED -	SCALE:		SHEET NO. 1 OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

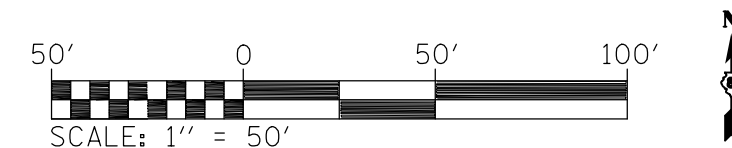
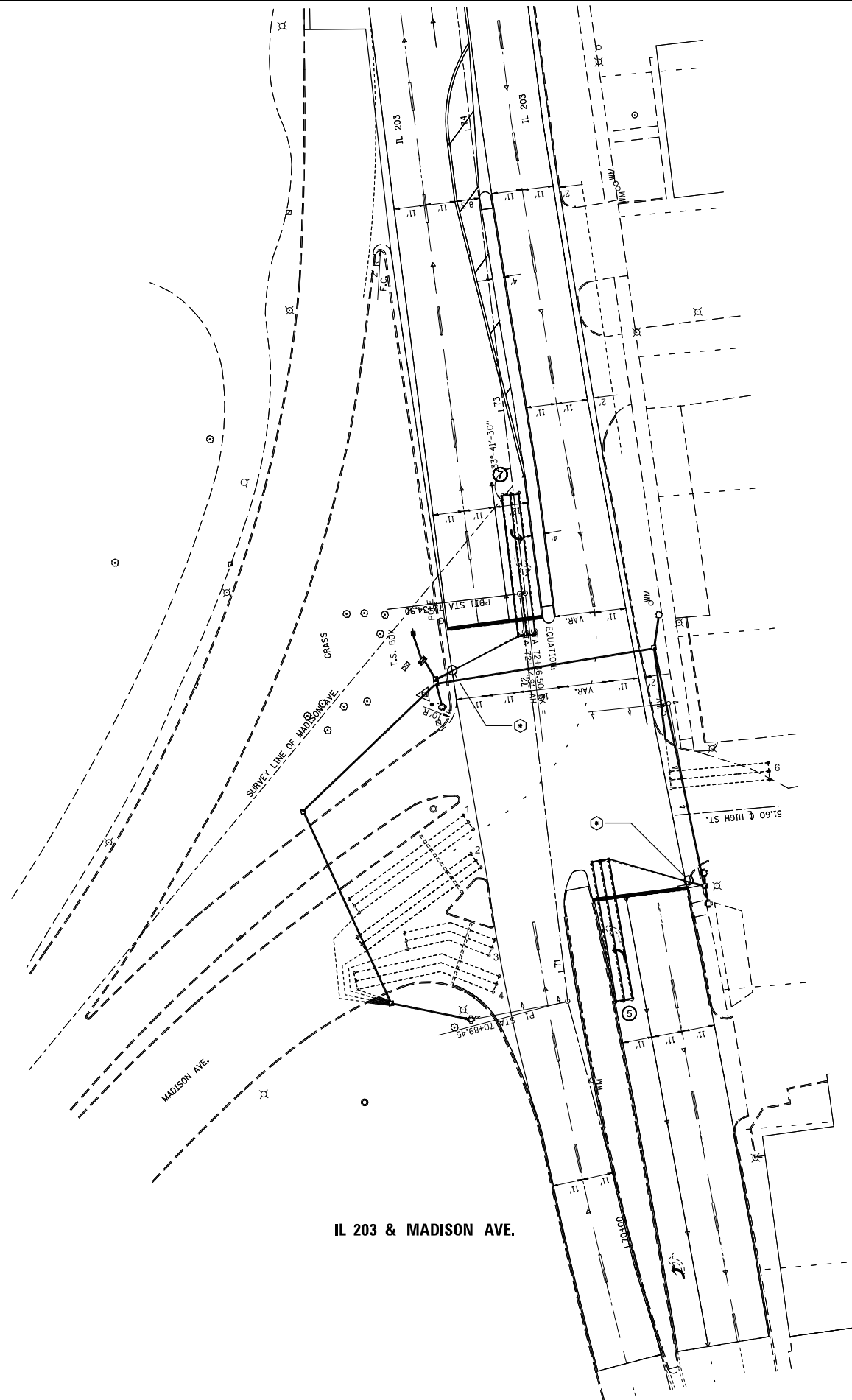
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 203 & MADISON AVE.

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	4	6 X 50-0	3-6-3	835.9	2.7
2. EB THRU CD	4	6 X 50-0	3-6-3	1006.0	6.6
3. EB RT CD A	4	6 X 30-0	3-6-3	534.2	2.1
4. EB RT CD B	4	6 X 50-0	3-6-3	827.1	2.5
5. NB THRU & LT CD	1 & 6	6 X 50-0	3-6-3	837.5	2.8
6. WB THRU CD	3	6 X 50-0	3-6-3	819.4	2.4
7. SB THRU & LT CD	2 & 5	6 X 50-0	3-6-3	798.8	1.9

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

0=QUADRAPOLE

⊙ =SEE DETAIL A



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
et:\pw\work\p\midot\prestonme\d0332003\d876g24-sht-TS.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/7/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
1 OF 5

SCALE: SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	46
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				

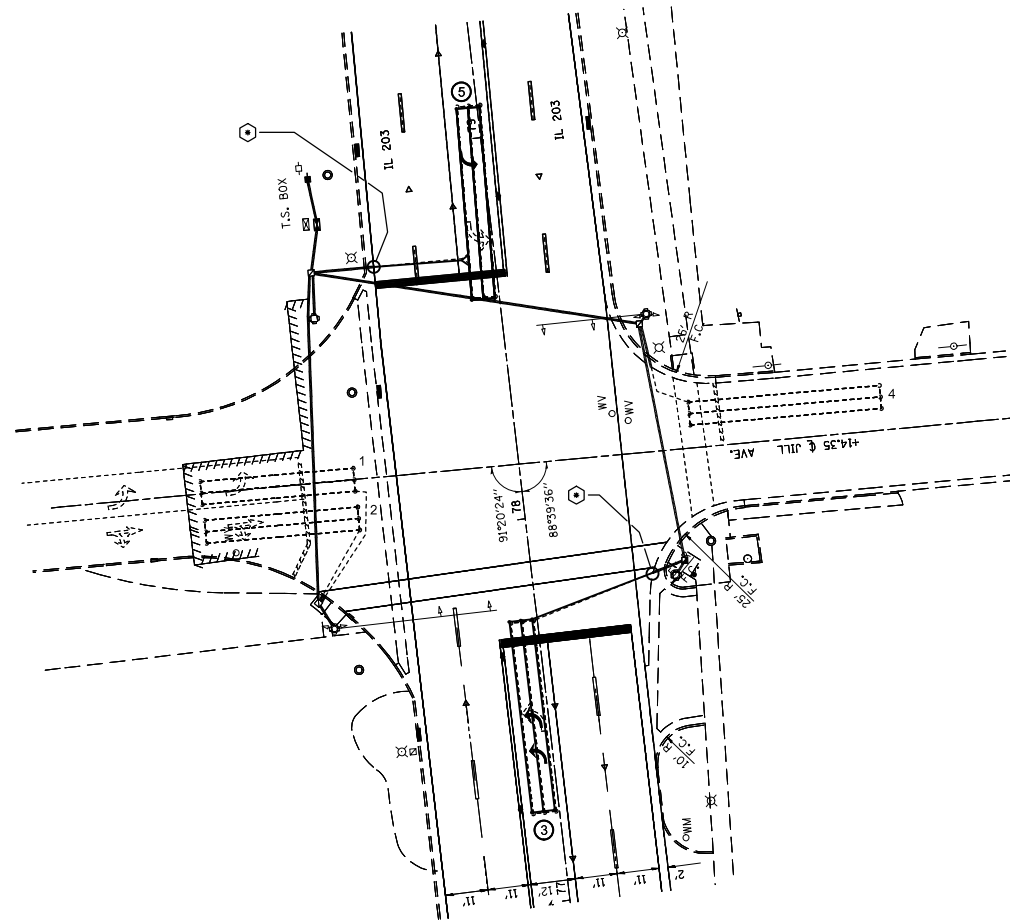
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 203 & JILL AVE.

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	3	6 X 40-Q	3-6-3	670.1	2.1
2. EB THRU CD	3	6 X 40-Q	3-6-3	667.0	2.0
3. NB THRU- LT CD	1 & 6	6 X 50-Q	3-6-3	836.6	2.7
4. WB THRU- LT CD	4	6 X 50-Q	3-6-3	818.3	2.3
5. SB THRU- LT CD	2 & 5	6 X 50-Q	3-6-3	801.4	1.9

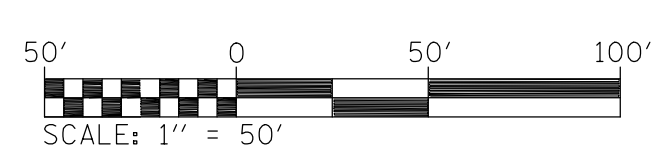
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊕ =SEE DETAIL A



IL 203 & JILL AVE.



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/7/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
2 OF 5

SCALE: SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	47
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				

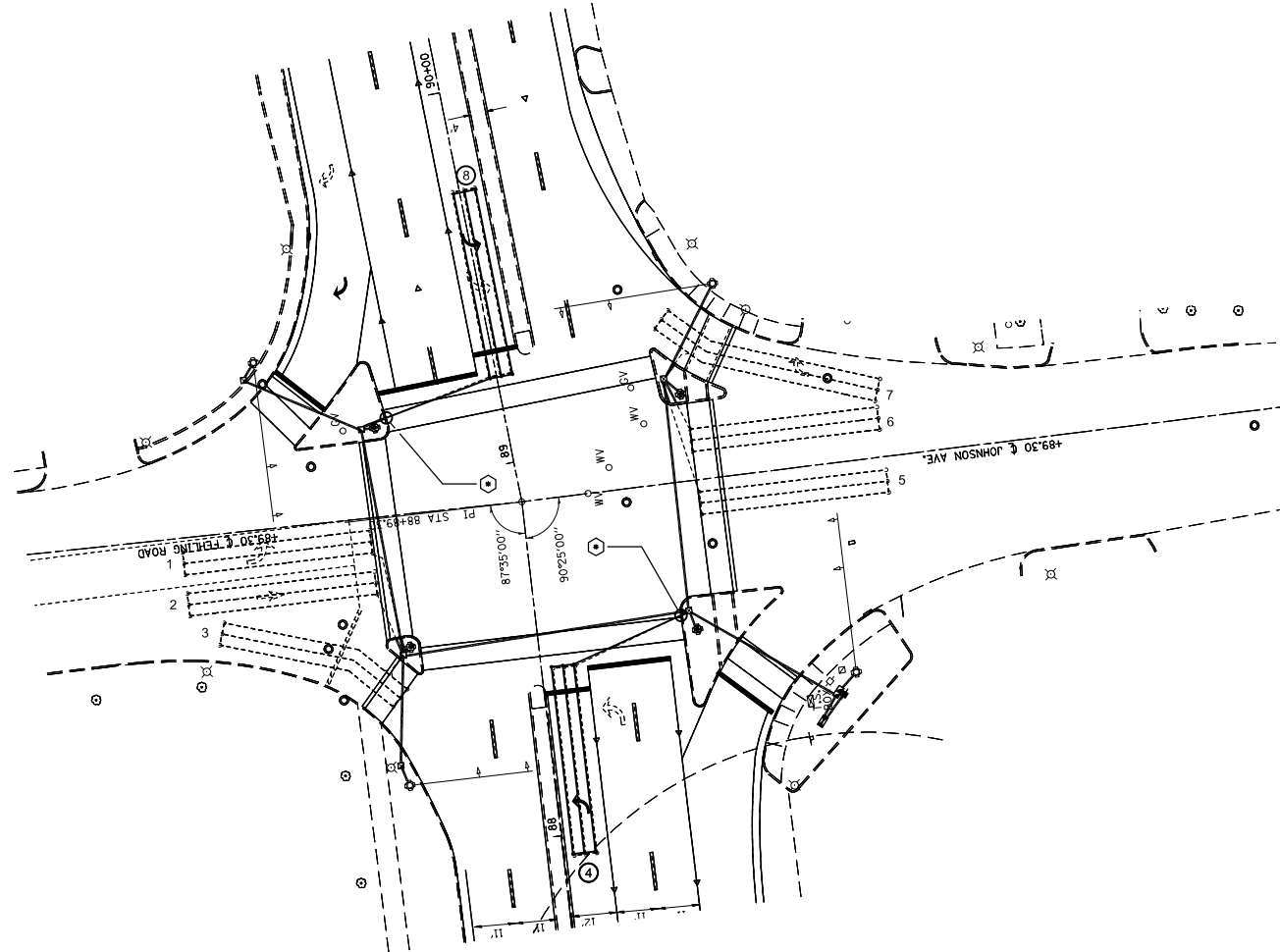
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 203 & FEHLING RD.

LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED# OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	3	6 X 50-Q	3-6-3	826.5	2.5
2. EB THRU CD	3	6 X 50-Q	3-6-3	824.1	2.5
3. EB RT CD	3	6 X 60-Q	3-6-3	971.6	2.7
4. NB THRU-LT CD	1 & 6	6 X 50-Q	3-6-3	809.5	2.1
5. WB LT CD	4	6 X 50-Q	3-6-3	823.6	2.4
6. WB THRU CD	4	6 X 50-Q	3-6-3	820.1	2.4
7. WB RT CD	4	6 X 50-Q	3-6-3	819.0	2.3
8. SB THRU-LT CD	2 & 5	6 X 50-Q	3-6-3	824.8	2.9

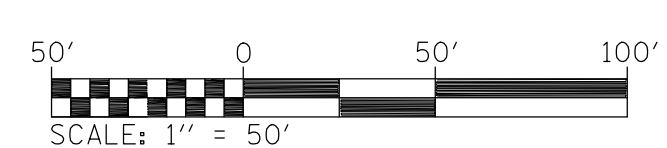
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙ =SEE DETAIL A



IL 203 & FEHLING RD.



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN 3 OF 5			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\prestonme\d0332003\d876g24-sht-TS.dgn		DRAWN -	REVISED -		594	(X-3,X-2)RS-1	MADISON	52	48			
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 76G24							
	PLOT DATE = 5/7/2014	DATE -	REVISED -		SCALE:	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

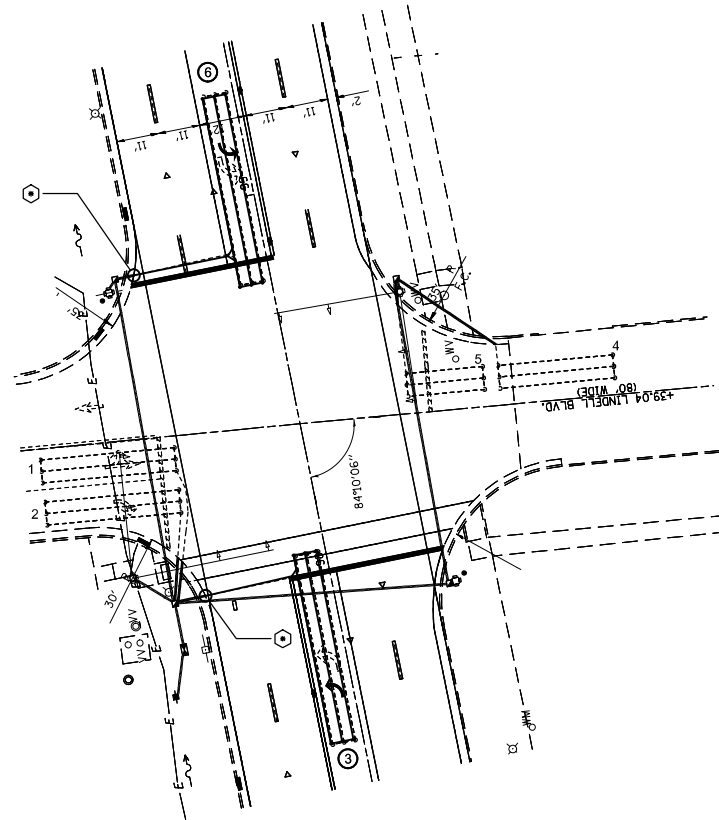
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 203 & LINDELL AVE.

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	4	6 X 35-Q	3-6-3	573.5	1.4
2. EB THRU CD	4	6 X 35-Q	3-6-3	570.9	1.4
3. NB THRU CD	1 & 6	6 X 50-Q	3-6-3	797.7	1.9
4. EB THRU CD A	3	6 X 30-Q	3-6-3	534.4	2.1
5. EB THRU CD B	3	6 X 20-Q	3-6-3	381.8	1.7
6. SB THRU CD	2 & 5	6 X 50-Q	3-6-3	817.9	2.3

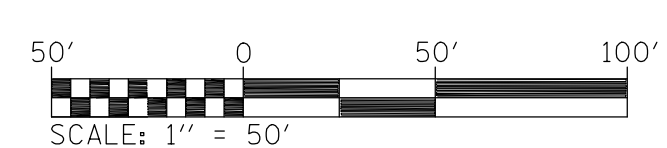
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊕ =SEE DETAIL A



IL 203 & LINDELL AVE.



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN 4 OF 5			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\prestonme\d0332003\d076g24-sht-TS.dgn		DRAWN -	REVISED -		594	(X-3,X-2)RS-1	MADISON	52	49			
PLOT SCALE = 50.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 76G24							
PLOT DATE = 5/7/2014		DATE -	REVISED -		SCALE:	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

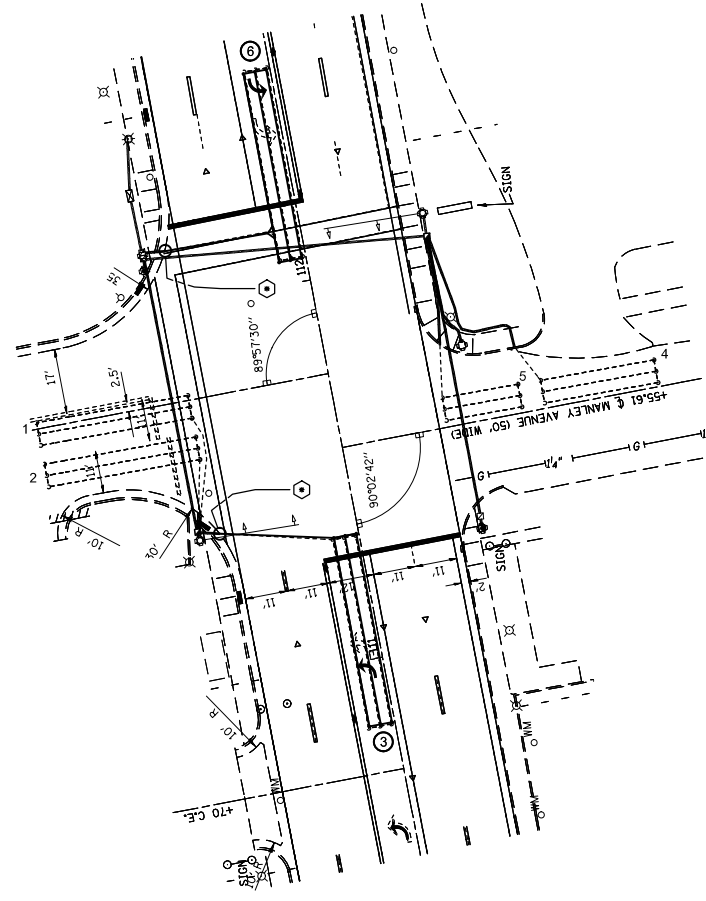
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 203 & MANLEY AVE.

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	4	6 X 40-Q	3-6-3	666.6	2.0
2. EB THRU CD	4	6 X 40-Q	3-6-3	663.9	1.9
3. NB THRU CD	1 & 6	6 X 50-Q	3-6-3	817.7	2.3
4. EB THRU CD A	3	6 X 30-Q	3-6-3	522.1	1.8
5. EB THRU CD B	3	6 X 20-Q	3-6-3	369.4	1.5
6. SB THRU CD	2 & 5	6 X 50-Q	3-6-3	800.1	1.9

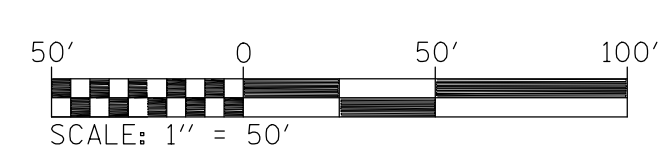
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙ =SEE DETAIL A



IL 203 & MANLEY AVE.



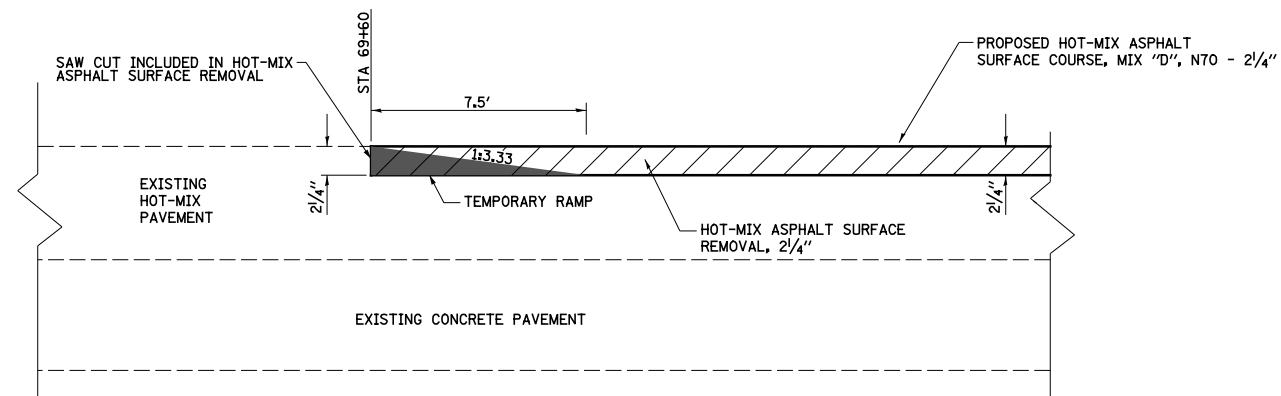
FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
et:\pw\work\p\dot\prestonme\d0332003\d876g24-sht-TS.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/7/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

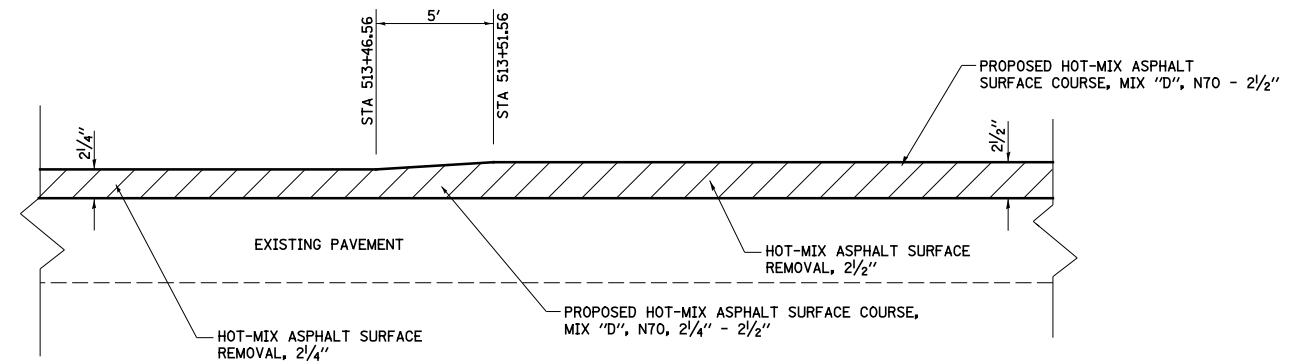
DETECTOR LOOP REPLACEMENT PLAN
5 OF 5

SCALE: SHEET NO. 2 OF 7 SHEETS STA. TO STA.

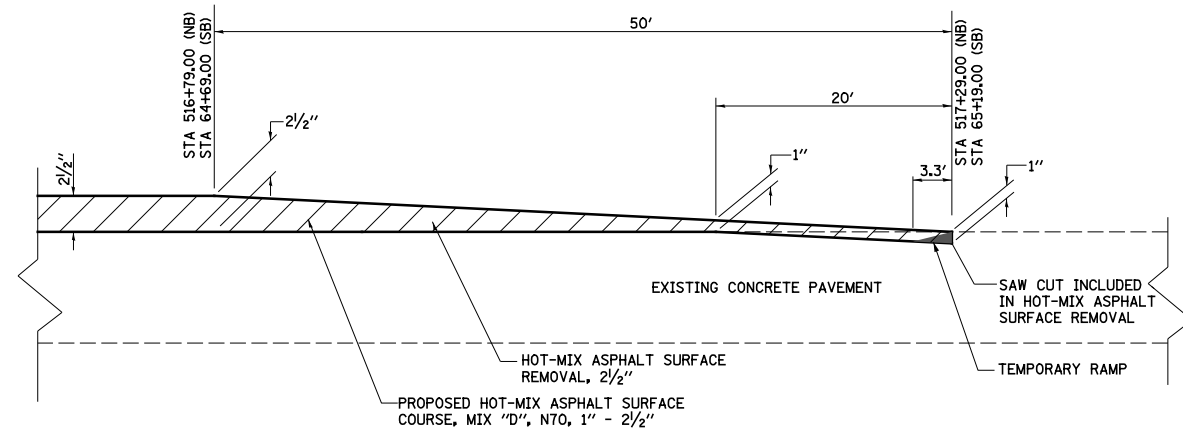
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	50
CONTRACT NO. 76G24			ILLINOIS FED. AID PROJECT	



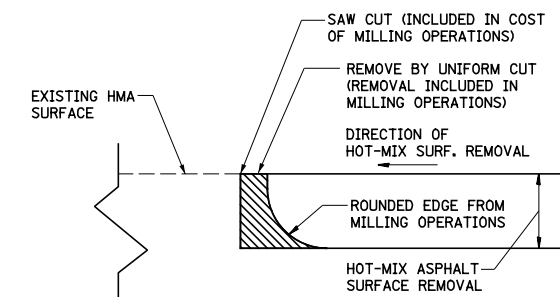
DETAIL OF BUTT JOINT 1
NOT TO SCALE



SURFACE TRANSITION DETAIL



DETAIL OF BUTT JOINT 2
NOT TO SCALE



NOTE: WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

MILLING DETAIL
NOT TO SCALE

LEGEND

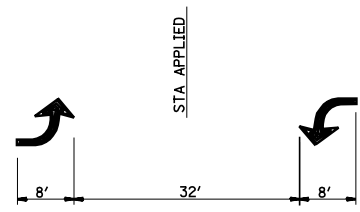
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIES 2 1/4" TO 2 1/2"
- TEMPORARY RAMP

FILE NAME =	USER NAME = betsy	DESIGNED - ESW	REVISED - 5-30-14
#FILEL\$		DRAWN - PDB	REVISED -
	PLOT SCALE = 40.000' / in.	CHECKED - JWS	REVISED -
	PLOT DATE = 6/5/2014	DATE - 4-11-14	REVISED -

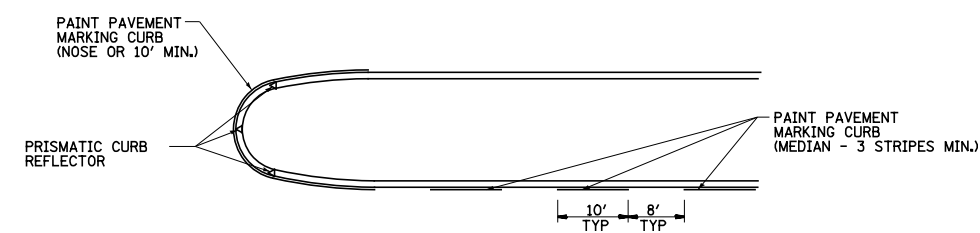
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISCELLANEOUS DETAILS		
SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS	STA. TO STA.

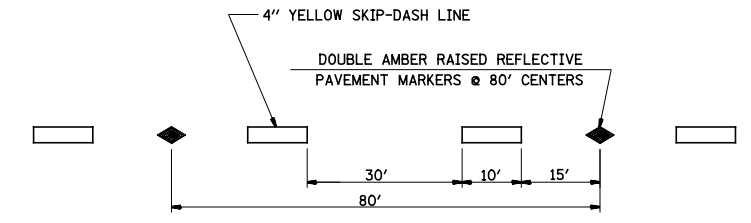
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	51
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				



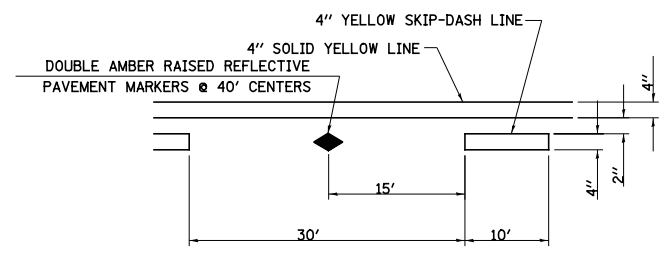
**BI-DIRECTIONAL
TURN ARROW
@ 200' O. C.**



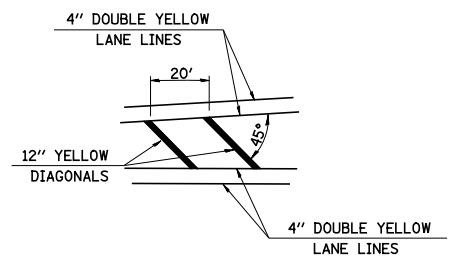
MEDIAN DETAIL



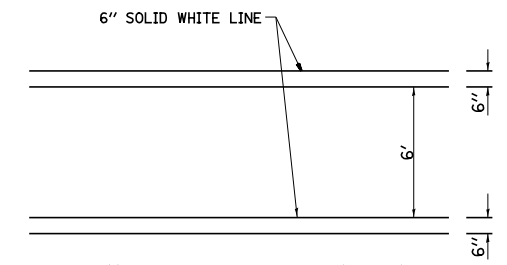
**TYPICAL APPLICATION
FOR YELLOW SKIP-DASH LINES
WITH RAISED REFLECTIVE PAVEMENT MARKERS**



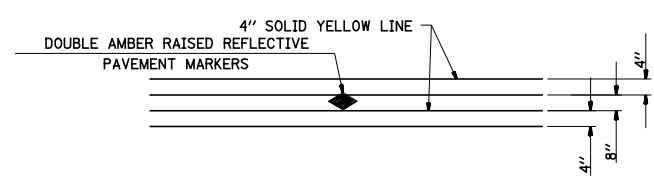
**TYPICAL APPLICATION FOR
BI-DIRECTIONAL TURN LANE
WITH RAISED REFLECTIVE PAVEMENT MARKERS**



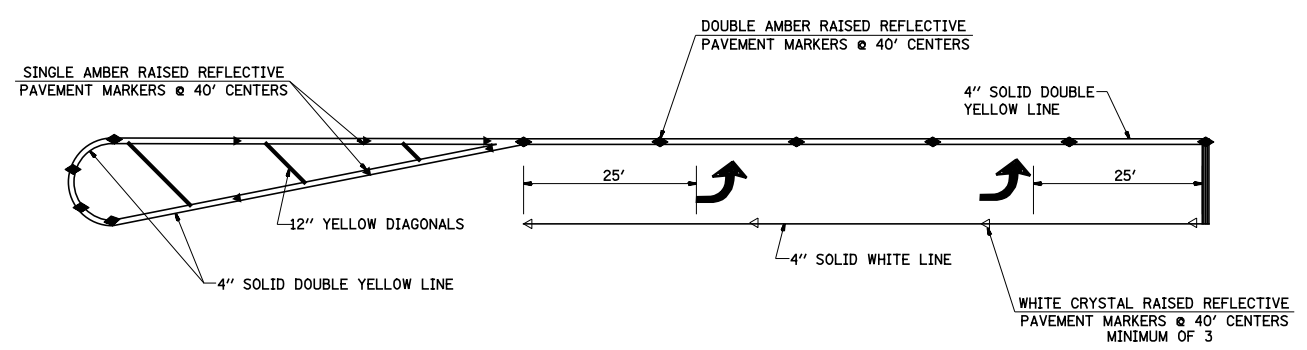
**TYPICAL APPLICATION
FOR MEDIAN STRIPING**



**TYPICAL APPLICATION FOR
PEDESTRIAN CROSSWALK**



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



TYPICAL APPLICATION FOR LEFT TURN LANE

FILE NAME =	USER NAME = betsy	DESIGNED - ESW	REVISED - 5-30-14
#FILEL\$		DRAWN - PDB	REVISED -
	PLOT SCALE = 48.000' / in.	CHECKED - JWS	REVISED -
	PLOT DATE = 6/5/2014	DATE - 4-11-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISCELLANEOUS DETAILS

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	52
CONTRACT NO. 76G24				
ILLINOIS FED. AID PROJECT				