

CONTRACT NO. 60C95

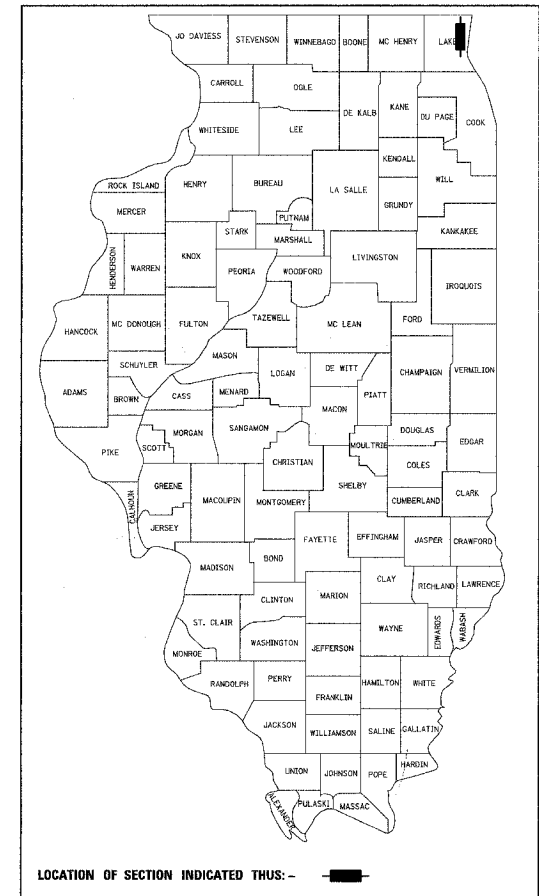
FAP ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	COOK	33	1
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

D-91-280-07 \* (3738 & 3839) RS-3

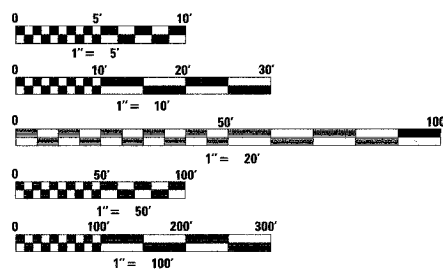
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PLANS FOR PROPOSED**  
**HIGHWAY**  
**FAP 378 (McCORMICK BOULEVARD)**  
**SECTION: (3738 & 3839) RS-3**  
**EMERSON STREET / GOLF ROAD TO DEVON AVENUE**  
**RESURFACING (3P)**  
**COOK COUNTY**  
**C-91-280-07**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**TRAFFIC DATA**  
 EXISTING ADT  
 24,200 (2005)  
 SPEED LIMIT 40 MPH

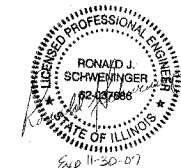
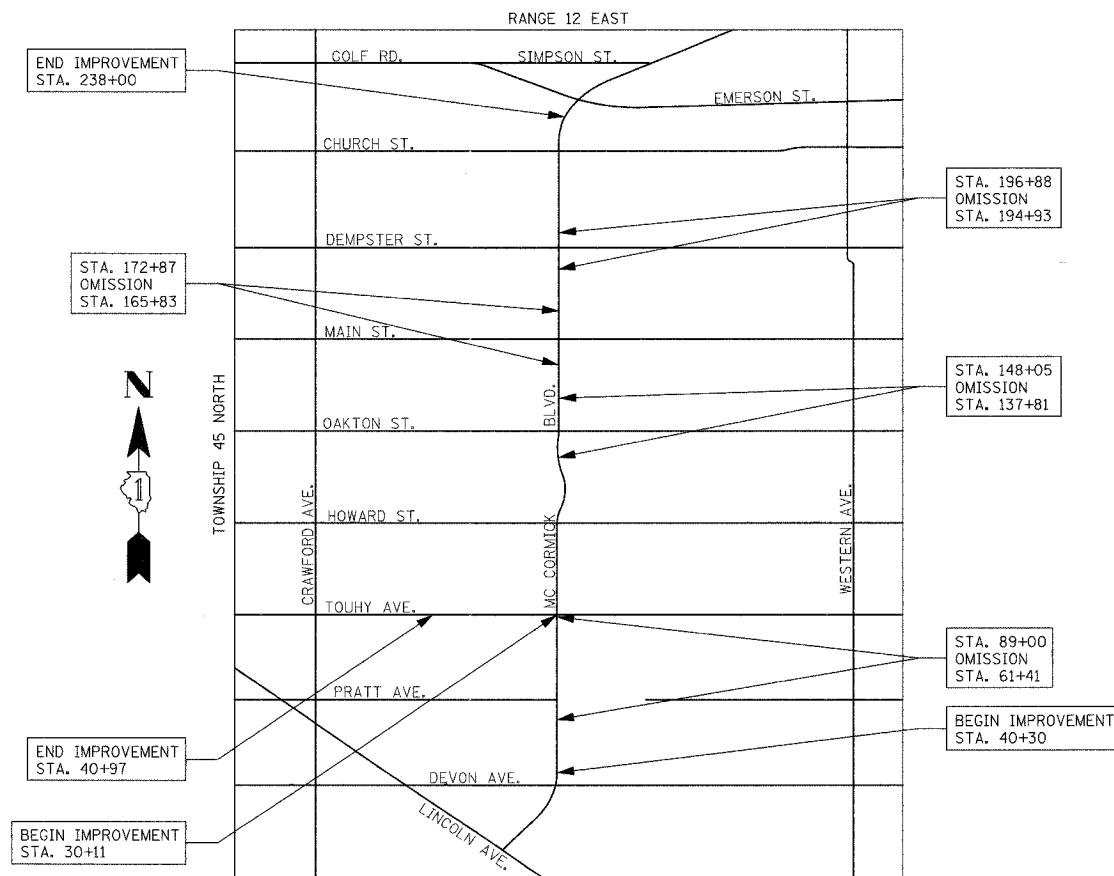


**IMPROVEMENT LOCATED**  
**IN THE VILLAGES OF**  
**LINCOLNWOOD AND SKOKIE**



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




**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

SUBMITTED April 9, 2007  
Diana O'Keefe  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

May 11, 2007  
Eric E. Horvath  
 SENIOR ENGINEER OF DESIGN AND ENVIRONMENT

May 11, 2007  
Milton R. Seco, P.E.  
 DIRECTOR, DIVISION OF HIGHWAYS

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


**GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.**  
 ENGINEERS & SCIENTISTS  
 8501 W. Higgins Road, Suite 280  
 Chicago, Illinois 60631  
 (773) 399-0112

DISTRICT ONE PLAN PREPARATION ENGINEER: KEN ENG (847) 705-4247

CONTRACT NO. 60C95

McCORMICK BLVD. GROSS LENGTH OF IMPROVEMENT: 19,770 FT (3.744 MILES)  
 NET LENGTH OF IMPROVEMENT: 15,088 FT (2.858 MILES)  
 TOUHY AVE. GROSS & NET LENGTH OF IMPROVEMENT: 1,086 FT (0.206 MILES)

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	COOK	33	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(3738 & 3839) RS-3				

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5-11 ROADWAY AND PAVEMENT MARKING PLAN McCORMICK BOULEVARD
- 12 ROADWAY AND PAVEMENT MARKING PLAN TOUHY AVENUE
- 13-23 DETECTOR LOOP REPLACEMENT PLANS
- 24 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
- 25 BUTT JOINT AND HMA TAPER DETAILS
- 26 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
- 27 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- 28 ARTERIAL ROAD INFORMATION SIGN
- 29 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
- 30 DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
- 31 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- 32 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
- 33 DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

**GENERAL NOTES**

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR "CUAN" (CHICAGO UTILITY ALERT NETWORK), 312-744-700 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
2. 3 METER (10 FEET) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL.
6. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
7. ON STATE STANDARDS 482001 AND 483001 AGGREGATE SUBGRADE 300 MM (12") SHALL BE USED AS THE IMPROVED SUBGRADE. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE UNDER THE SHOULDER SHALL BE INCLUDED IN THE COST PER SQUARE METER (SQ YARD) OF " AGGREGATE SUBGRADE 300 MM (12)".
8. ALL STORM SEWER CONNECTIONS WITH PIPES 675 MM (27 INCHES) DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 675 MM (27 INCHES) DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPERATELY BUT WILL BE INCLUDED IN THE COST FOR THE STORM SEWERS.
9. USE NO. 25 (#8) EPOXY-COATED TIE BARS CONFORMING TO ART. 1006.10(B)(2) OF THE STANDARD SPECIFICATIONS FOR LONGITUDINAL CONSTRUCTION JOINT GROUDED-IN-PLACE TIE BAR AS SHOWN ON STATE STANDARD 42001 AND FOR TIEING PC CONCRETE WIDENING TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS. THE TIE BARS WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.
10. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 40 MM (1 1/2 INCHES) WHERE THE SPEED LIMIT IS 80 KM/H (45 MPH) OR LESS AND 25 MM (1 INCH) WHERE THE SPEED LIMIT IS GREATER THAN 80 KM/H (45 MPH). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 75 MM (3 INCHES) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
11. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
12. FOR PAVEMENT MARKING, REFER TO DISTRICT ONE TYPICAL MARKINGS FOR DETAILS NOT SHOWN.
13. MATCH EXISTING PAVEMENT MARKINGS AT PROJECT AND OMISSION LIMITS.

**STATE STANDARDS**

STD. NO. DESCRIPTION

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 442201-02 CLASS C AND D PATCHES
- 604001-02 FRAME AND LIDS, TYPE 1
- 606001-03 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701606-04 URBAN LANE CLOSURE, MULTI LANE, 2W WITH MOUNTABLE MEDIAN
- 701701-04 URBAN LANE CLOSURE, MULTI LANE INTERSECTION
- 702001-06 TRAFFIC CONTROL DEVICES
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

HOT MIX ASPHALT MIXTURE REQUIREMENTS			
ROADWAY	MIXTURE TYPE	AC TYPE	AIR VOIDS
McCORMICK AND TOUHY	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	SBS/SBR PG 70-22	4% @ 90 GYR
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4.75, N50	SBS/SBR PG 76-28/22	4% @ 50 GYR
	CLASS D PATCHES (HMA BINDER, IL-19)	* PG 64-22/58-22	4% @ 70 GYR
	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER, IL-19)	* PG 64-22/58-22	4% @ 70 GYR

\* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER SHALL BE PG 58-22  
 \*\* THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112/LB/SY/IN

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES AND HOT MIX ASPHALT MIXTURE REQUIREMENTS  FAP 378 (McCORMICK BLVD.) EMERSON ST./GOLF RD. TO DEVON AVE. SCALE: NA DRAWN BY: EUB DATE: 4/13/07 CHECKED BY: RJS
NAME	DATE	



GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.  
CHICAGO, ILLINOIS

CONTRACT NO. 60C95

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	COOK	33	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*(3738 & 3839) RS-3

SUMMARY OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	URBAN TOTAL QUANTITY 100% STATE	1000 McCORMICK BLVD	1000 TOUHY AVENUE
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	46	45	3
40600300	AGGREGATE (PRIME COAT)	TON	223	207	16
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	111.6	103.7	7.9
40600895	CONSTRUCTING TEST STRIP	EACH	3	2	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	647	548	99
40600990	TEMPORARY RAMP	SQ YD	431	365	66
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	1,810	1,539	271
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX F <sub>1</sub> N90	TON	10,930	10,160	771
42001300	PROTECTIVE COAT	SQ YD	70	70	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	100		100
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	111,538	103,671	7,865
44000600	SIDEWALK REMOVAL	SQ FT	100		100
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	400	300	100
44002208	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2"	SQ YD	16,161	13,740	2,421
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	5		5
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	204	150	54
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	315	200	115
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	13,650	11,700	1,950
55039700	STORM SEWERS TO BE CLEANED	FOOT	9,050	8,550	500
60250200	CATCH BASINS TO BE ADJUSTED	EACH	17	15	2
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	6	5	1
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	10	10	
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	295	285	10
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	14	10	4
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	3	1
67100100	MOBILIZATION	L SUM	1	0.8	0.2
70102625	TRAFFIC CONTROL AND PROTECTION STANDARD 701006	L SUM	1	0.8	0.2
70102635	TRAFFIC CONTROL AND PROTECTION STANDARD 701701	L SUM	1	0.8	0.2
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7000	7158	448
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1347	1092	255
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	50,954	34,159	2,795
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5,104	4,150	1,014
*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	104	104	
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,472	2,412	60
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	579	509	70
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,235	1,160	75
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,235	1,160	75
*88600600	DETECTOR LOOP REPLACEMENT	FOOT	1,998	1,751	247
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	77	51	26
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	4,392	4,082	310
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	377	347	30
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2093	2184	510
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	113,909	108,318	5,590
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	10,328	8,300	2,028
70300260	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	208	208	
70300280	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	4,944	4,854	120
70300290	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1,158	1,018	140

\*SPECIALTY ITEMS

REVISIONS	ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE

SUMMARY OF QUANTITIES

FAP 378 (McCORMICK BLVD.)  
EMERSON ST./GOLF RD. TO DEVON AVE.  
SCALE: NA  
DATE: 4/13/07  
DRAWN BY: EUB  
CHECKED BY: RJS

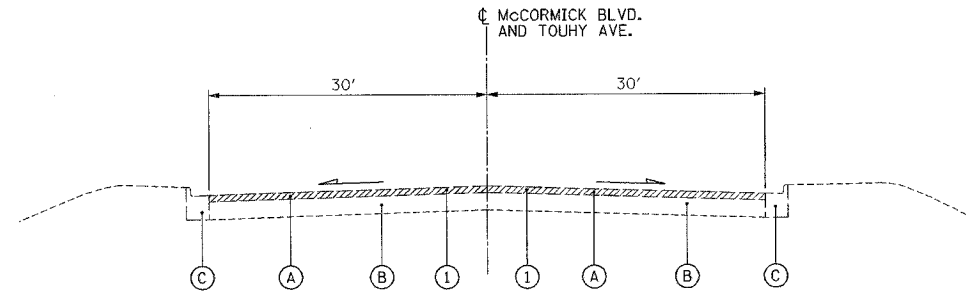


GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.  
CHICAGO, ILLINOIS

Rev.

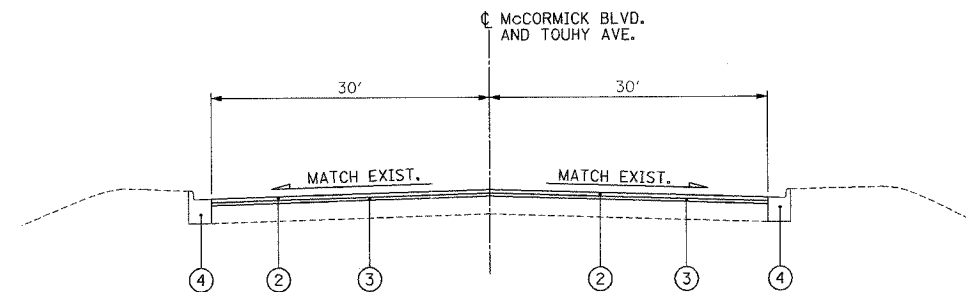
CONTRACT NO. 60C95

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	COOK	33	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(3738 & 3839) RS-3				



**EXISTING TYPICAL SECTION**

STA. 40+30 TO STA. 238+00 - McCORMICK BLVD.  
STA. 30+11 TO STA. 40+37 - TOUHY AVE.



**PROPOSED TYPICAL SECTION**

STA. 40+30 TO STA. 238+00 - McCORMICK BLVD.  
STA. 30+11 TO STA. 40+37 - TOUHY AVE.

**EXISTING CONDITIONS:**

- Ⓐ HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 4 1/2" AND VARIES
- Ⓑ HOT-MIX ASPHALT BASE COURSE, 8 3/4"
- Ⓒ COMBINATION CONCRETE CURB AND GUTTER

**PROPOSED IMPROVEMENTS:**

- ① HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ② POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- ③ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ④ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>TYPICAL SECTIONS</b> McCORMICK BOULEVARD AND TOUHY AVENUE  SCALE: NA DATE: 4/13/07 DRAWN BY: EUB CHECKED BY: RJS

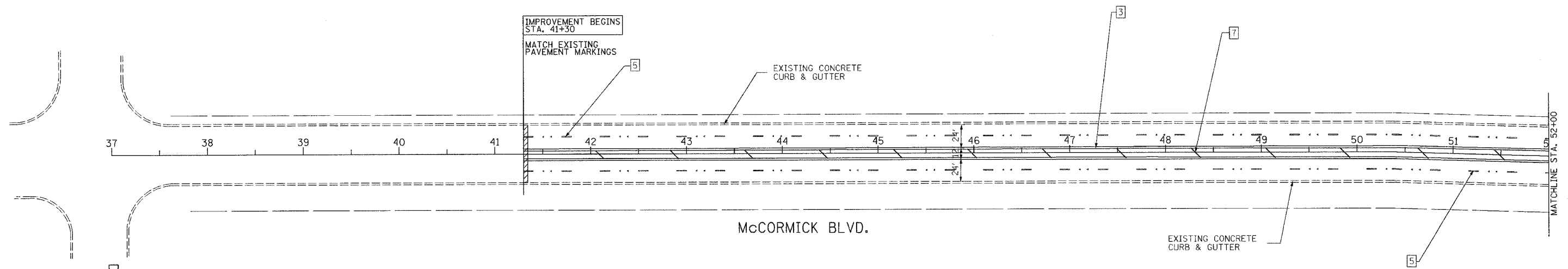


GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.  
CHICAGO, ILLINOIS

CONTRACT NO. 60C95

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	COOK	33	5
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		* (3738 & 3839) RS-3		

HOT-MIX ASPHALT SURFACE REMOVAL  
 BUTT JOINT - 30SY  
 TEMPORARY RAMPS - 20 SY

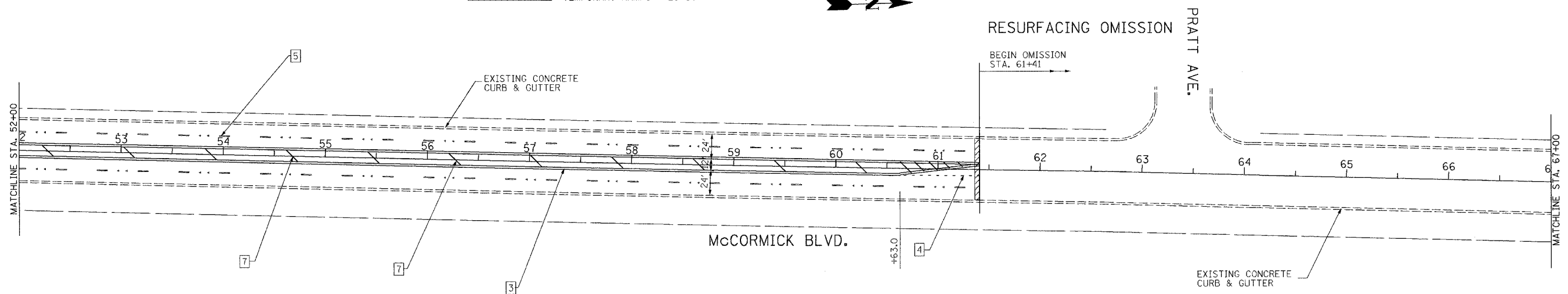


DEVON AVE.

LEGEND

- |   |  |
|---|--|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)  | 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)      |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)                          | 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)                                       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)     |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)                             | 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)        |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)     |

HOT-MIX ASPHALT SURFACE REMOVAL  
 BUTT JOINT - 30SY  
 TEMPORARY RAMPS - 20 SY



LEGEND

- |   |  |
|---|--|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)  | 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)      |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)                          | 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)                                       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)     |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)                             | 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)        |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)     |

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ROADWAY AND PAVEMENT MARKING PLAN
NAME	DATE	
		FAP 378 (McCORMICK BLVD.) EMERSON ST./GOLF RD. TO DEVON AVE. SCALE: 1"=50' DATE: 4/13/07 DRAWN BY: LT CHECKED BY: RJS

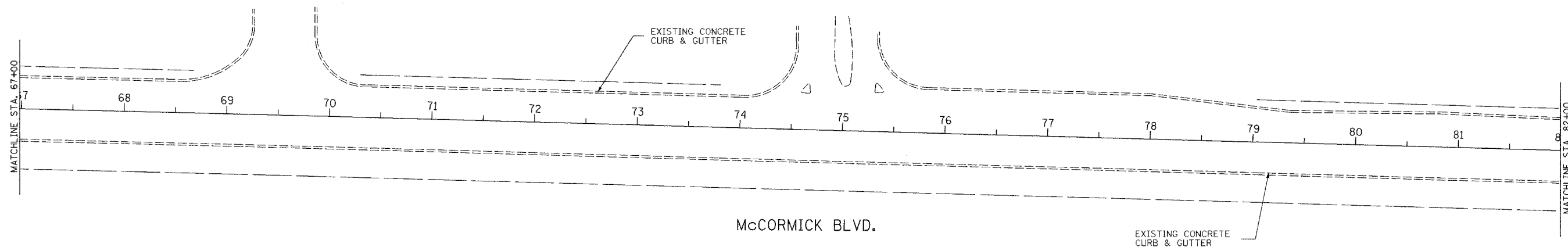
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.  
 CHICAGO, ILLINOIS

CONTRACT NO. 60C95

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	COOK	33	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\*(3738 & 3839) RS-3

RESURFACING OMISSION

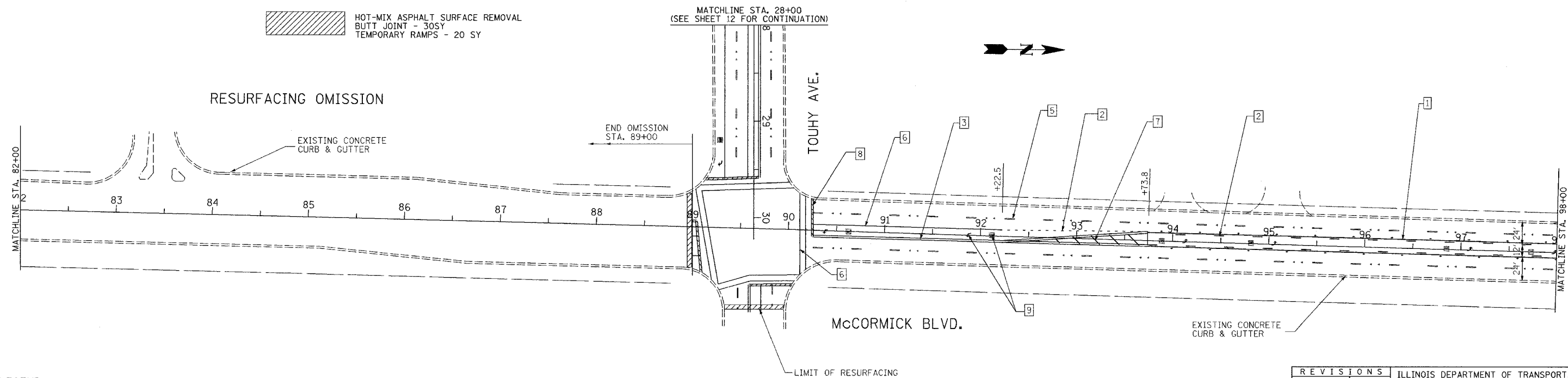


LEGEND

- |   |  |
|---|--|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)  | 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)      |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)                          | 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)                                       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)     |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)                             | 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)        |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)     |

HOT-MIX ASPHALT SURFACE REMOVAL  
 BUTT JOINT - 30SY  
 TEMPORARY RAMPS - 20 SY

MATCHLINE STA. 28+00  
 (SEE SHEET 12 FOR CONTINUATION)



LEGEND

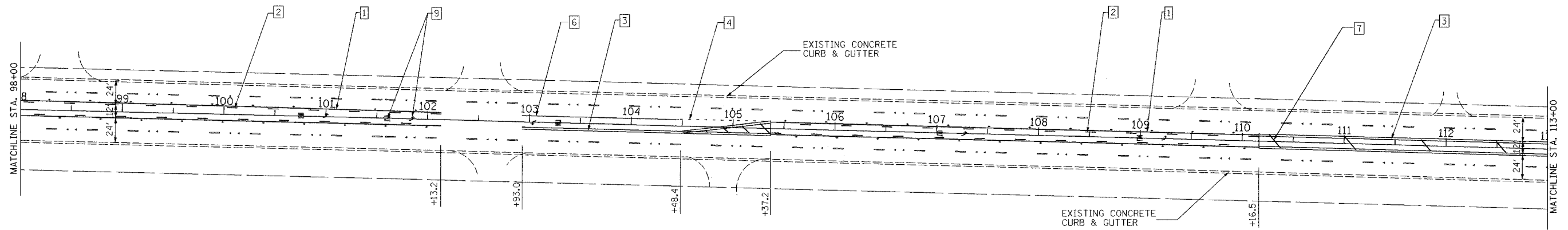
- |   |  |
|---|--|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)  | 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)      |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)                          | 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)                                       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)     |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)                             | 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)        |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)     |

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ROADWAY AND PAVEMENT MARKING PLAN
NAME	DATE	
		FAP 378 (McCORMICK BLVD.) EMERSON ST./GOLF RD. TO DEVON AVE. SCALE: 1"=50' DRAWN BY: LT DATE: 4/13/07 CHECKED BY: RJS

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.  
 CHICAGO, ILLINOIS

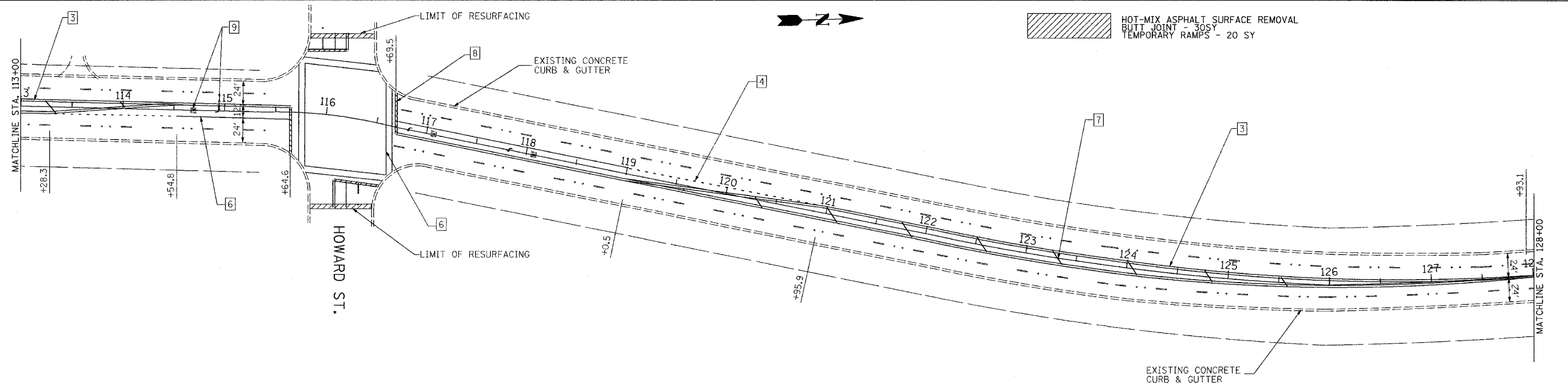
CONTRACT NO. 60C95

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	COOK	33	7
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		* (3738 & 3839) RS-3		



LEGEND

- |   |  |
|---|--|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)  | 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)      |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)                          | 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)                                       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)     |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)                             | 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)        |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)     |



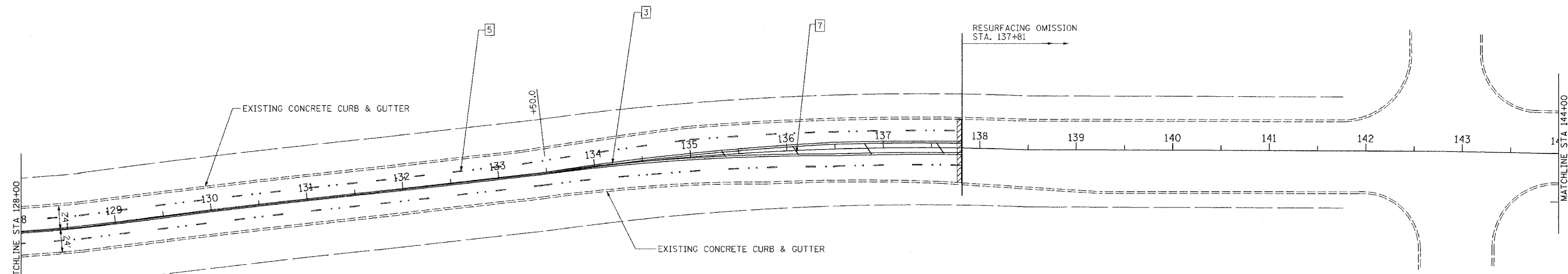
LEGEND

- |   |  |
|---|--|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)  | 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)      |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)                          | 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)                                       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)     |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)                             | 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)        |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)     |

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ROADWAY AND PAVEMENT MARKING PLAN FAP 378 (McCORMICK BLVD.) EMERSON ST./GOLF RD. TO DEVON AVE. SCALE: 1"=50' DATE: 4/13/07
NAME	DATE	
		DRAWN BY: LT CHECKED BY: RJS
		GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC. CHICAGO, ILLINOIS

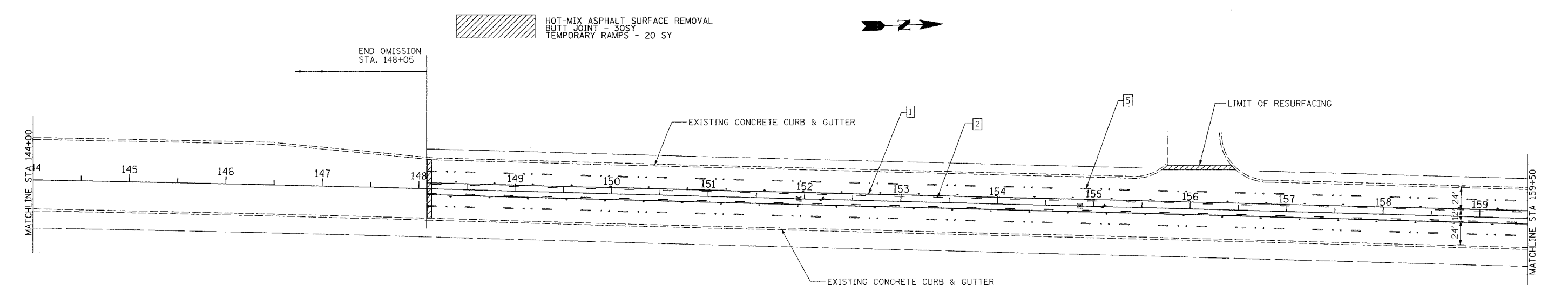
CONTRACT NO. 60C95

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	COOK	33	8
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		* (3738 & 3839) RS-3		



**LEGEND**

- |  |   |
|--|---|
| 1] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)  | 6] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)      |
| 2] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)                          | 7] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)                                       | 8] THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)     |
| 4] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)                             | 9] THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)        |
| 5] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S) | 10] THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)     |



**LEGEND**

- |  |   |
|--|---|
| 1] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)  | 6] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)      |
| 2] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)                          | 7] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)                                       | 8] THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)     |
| 4] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)                             | 9] THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)        |
| 5] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S) | 10] THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)     |

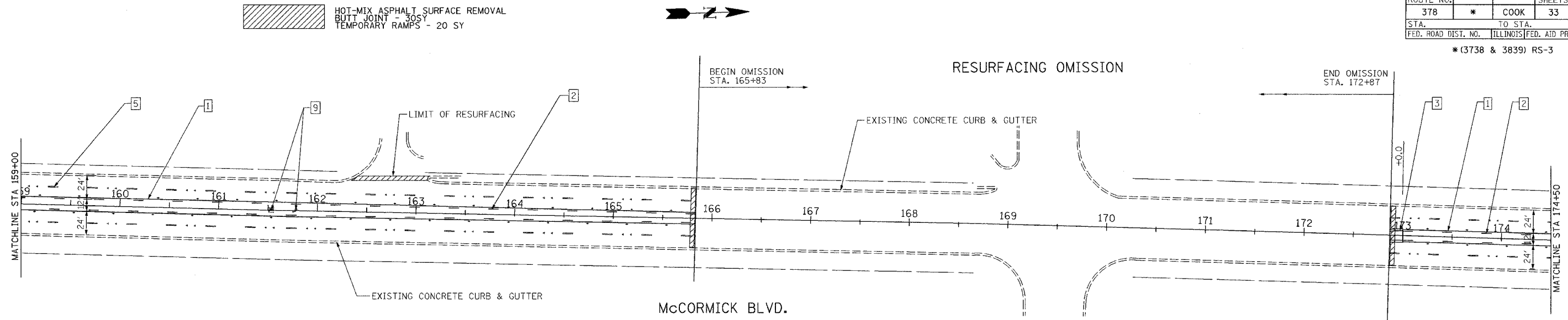
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ROADWAY AND PAVEMENT MARKING PLAN
NAME	DATE	
		FAP 378 (McCORMICK BLVD.) EMERSON ST./GOLF RD. TO DEVON AVE. SCALE: 1"=50' DATE: 4/13/07 DRAWN BY: LT CHECKED BY: RJS

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.  
CHICAGO, ILLINOIS



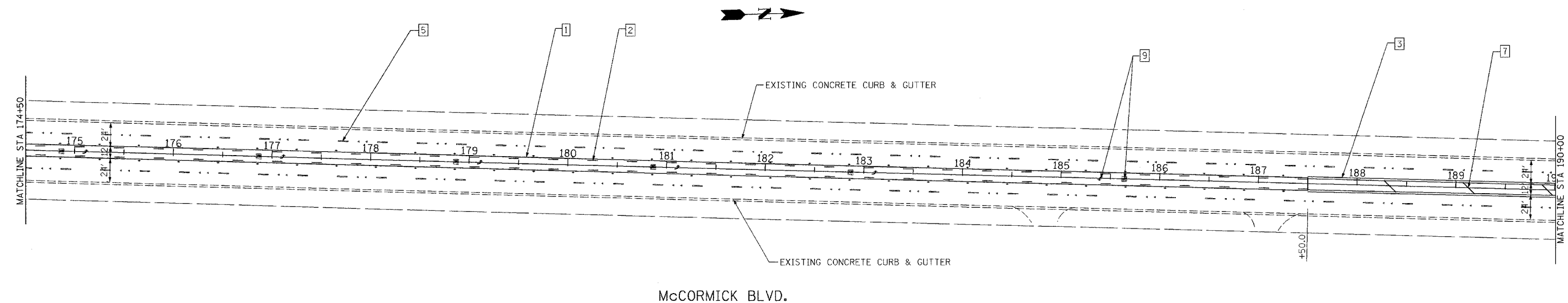
CONTRACT NO. 60C95

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	COOK	33	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(3738 & 3839) RS-3				



**LEGEND**


- |   |  |
|---|--|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)  | 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)      |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)                          | 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)                                       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)     |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)                             | 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)        |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)     |



**LEGEND**

- |   |  |
|---|--|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)  | 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)      |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)                          | 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)                                       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)     |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)                             | 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)        |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)     |

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>ROADWAY AND PAVEMENT MARKING PLAN</b>  FAP 378 (McCORMICK BLVD.) EMERSON ST./GOLF RD. TO DEVON AVE. SCALE: 1"=50' DATE: 4/13/07 DRAWN BY: LT CHECKED BY: RJS

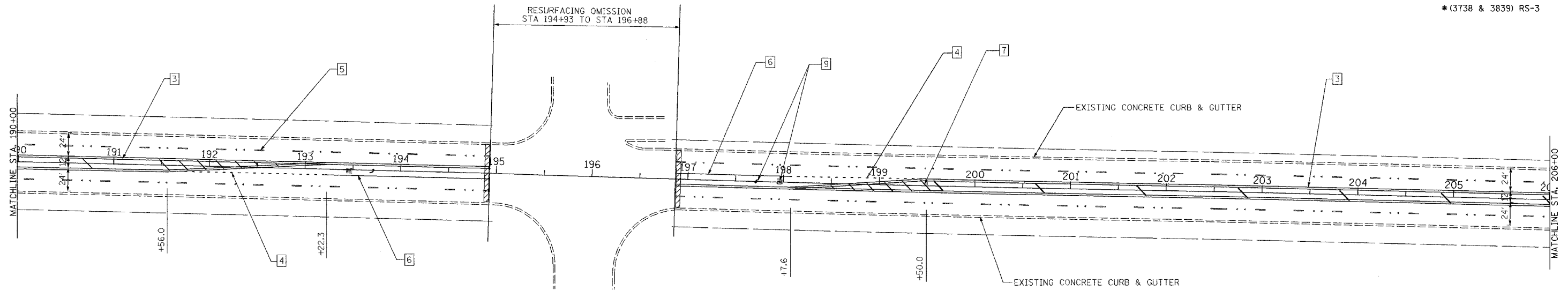

**GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.**  
 CHICAGO, ILLINOIS

CONTRACT NO. 60C95

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	COOK	33	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

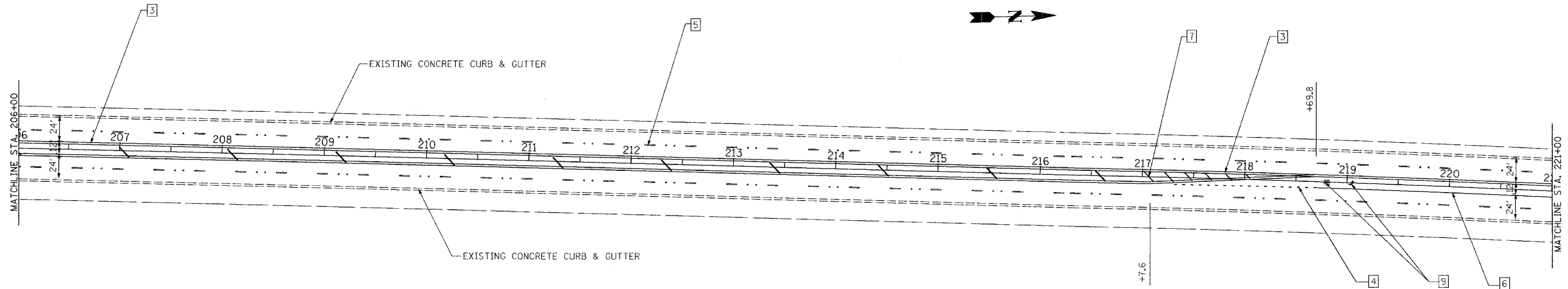
\*(3738 & 3839) RS-3

HOT-MIX ASPHALT SURFACE REMOVAL  
 BUTT JOINT - 30SY  
 TEMPORARY RAMPS - 20 SY



LEGEND

- |   |  |
|---|--|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)  | 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)      |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)                          | 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)                                       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)     |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)                             | 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)        |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)     |



LEGEND

- |   |  |
|---|--|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)  | 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)      |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)                          | 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)                                       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)     |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)                             | 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (TYP.)        |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)     |

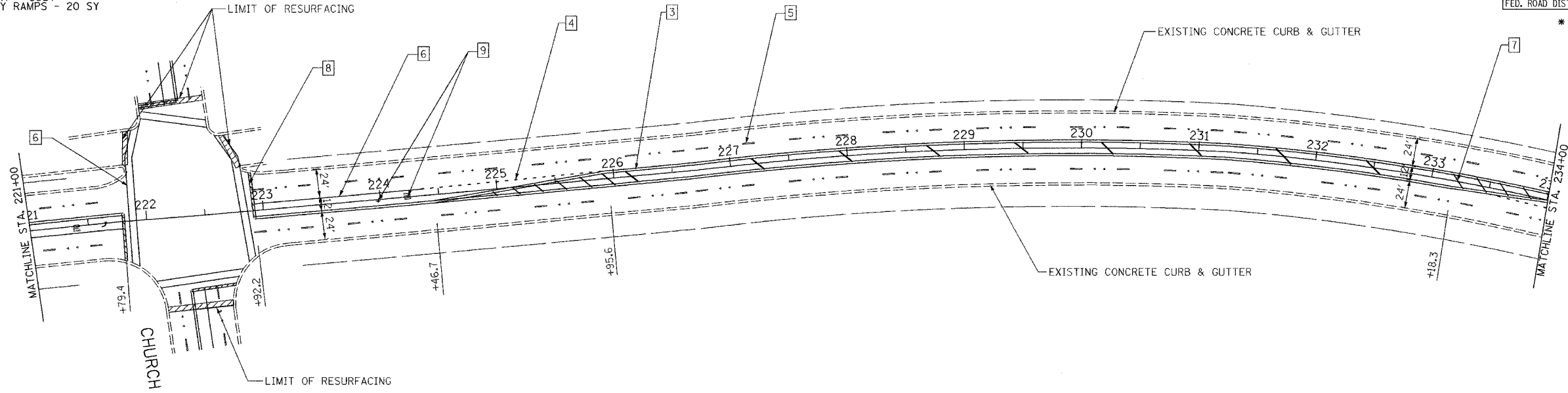
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>ROADWAY AND PAVEMENT MARKING PLAN</b>  FAP 378 (McCORMICK BLVD.) EMERSON ST./GOLF RD. TO DEVON AVE. SCALE: 1"=50' DATE: 4/13/07 DRAWN BY: LT CHECKED BY: RJS

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.  
 CHICAGO, ILLINOIS

CONTRACT NO. 60C95

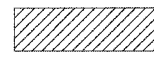
F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	COOK	33	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(3738 & 3839) RS-3				

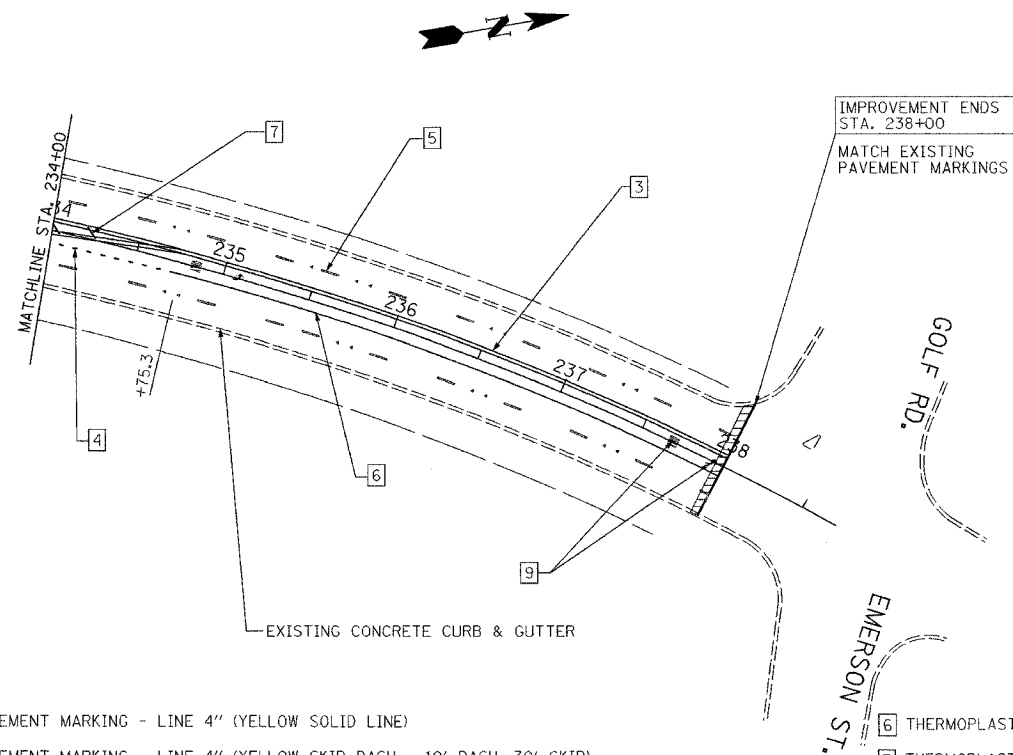
 HOT-MIX ASPHALT SURFACE REMOVAL  
BUTT JOINT - 30SY  
TEMPORARY RAMPS - 20 SY



LEGEND

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)</li> <li>2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)</li> <li>3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)</li> <li>4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)</li> <li>5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S)</li> </ul> | <ul style="list-style-type: none"> <li>6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)</li> <li>7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)</li> <li>8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)</li> <li>9 THERMOPLASTIC PAVEMENT MARKING - LETTERS &amp; SYMBOLS (TYP.)</li> <li>10 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)</li> </ul> |
|---|--|

 HOT-MIX ASPHALT SURFACE REMOVAL  
BUTT JOINT - 30SY  
TEMPORARY RAMPS - 20 SY



LEGEND

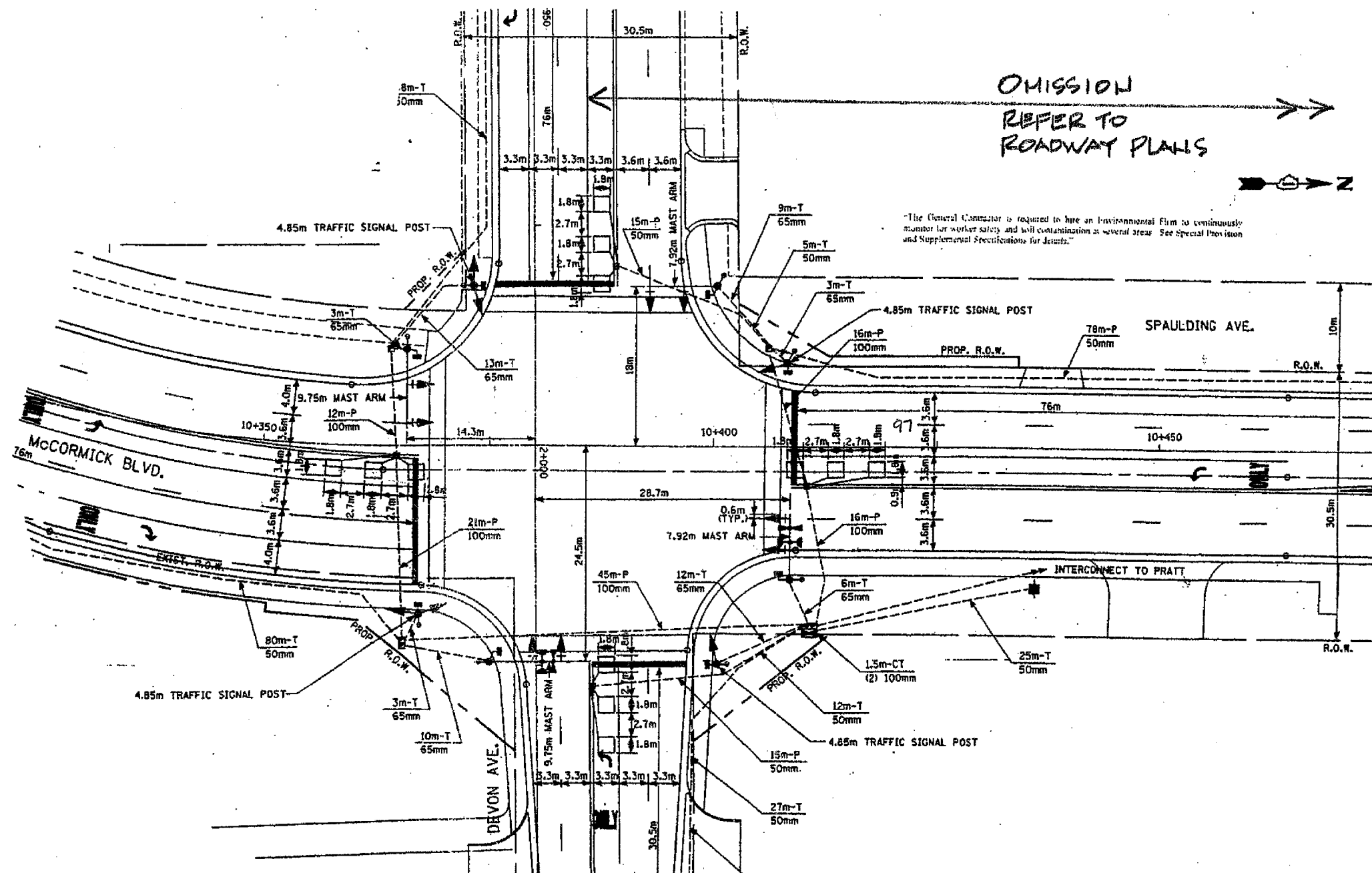
- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)</li> <li>2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH - 10' DASH, 30' SKIP)</li> <li>3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE)</li> <li>4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)</li> <li>5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP W/ 2 CRYSTAL/OPAQUE RPM'S)</li> </ul> | <ul style="list-style-type: none"> <li>6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)</li> <li>7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)</li> <li>8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINES)</li> <li>9 THERMOPLASTIC PAVEMENT MARKING - LETTERS &amp; SYMBOLS (TYP.)</li> <li>10 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)</li> </ul> |
|---|--|

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ROADWAY AND PAVEMENT MARKING PLAN FAP 378 (McCORMICK BLVD.) EMERSON ST./GOLF RD. TO DEVON AVE. SCALE: 1"=50' DATE: 4/13/07
NAME	DATE	
		DRAWN BY: LT CHECKED BY: RJS GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC. CHICAGO, ILLINOIS

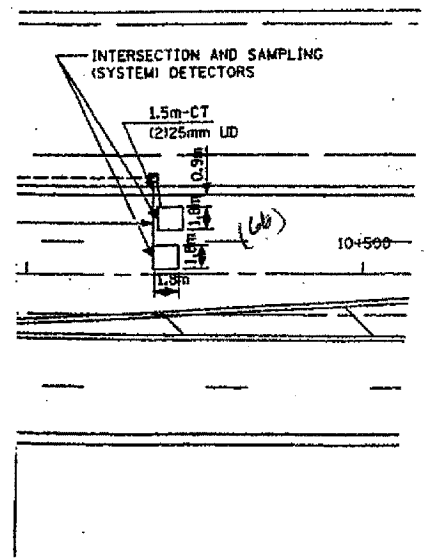


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	COOK	53	13
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS	
		FED. AID PROJECT	

\*(3130 & 3839) RS-3



OMISSION  
REFER TO  
ROADWAY PLANS



FOR INFORMATION ONLY

**NOTE:**  
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
(WITHIN THE RESURFACING LIMITS)

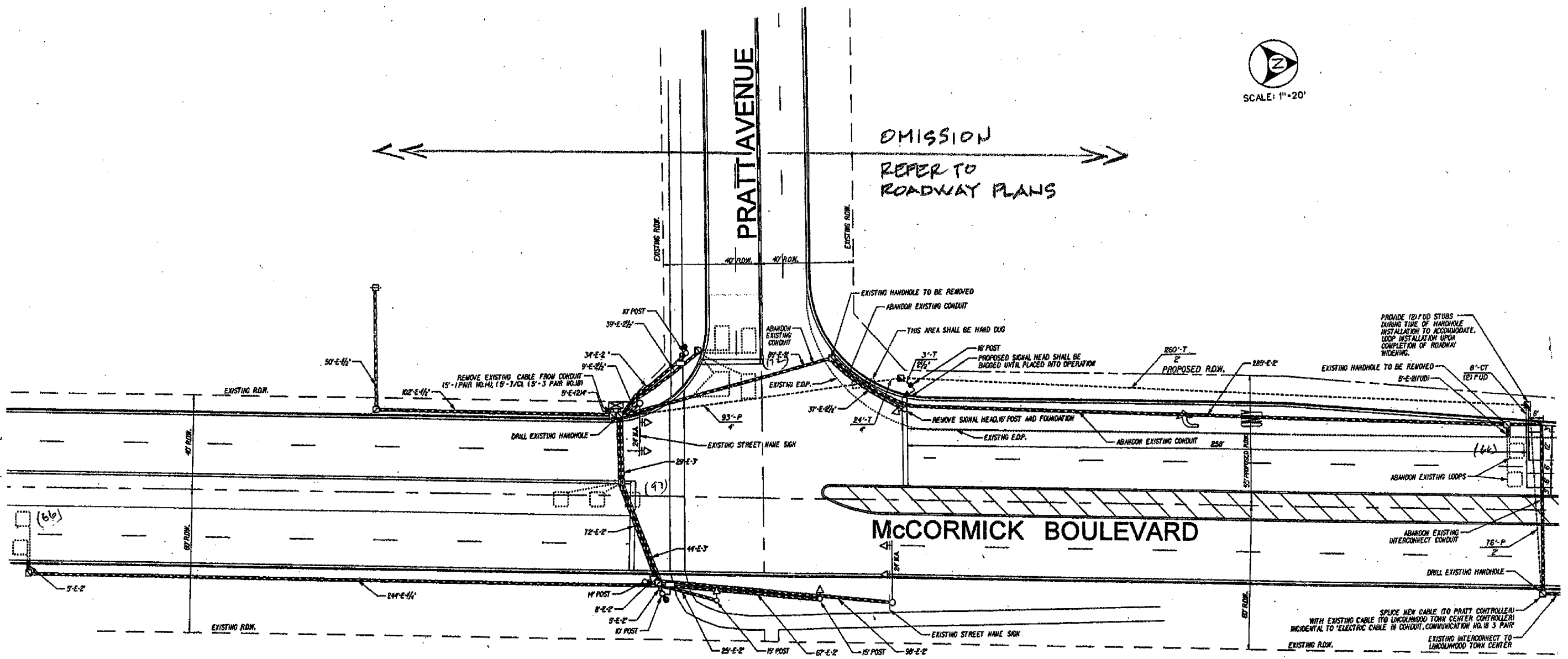
CODE NO.	QUANTITY	UNIT	ITEM
86600600	1	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
McCormick Blvd. @ Devon Ave.  
SCALE: NONE  
DATE: MAR. 07  
DRAWN BY: JHE  
DESIGNED BY: JHE  
CHECKED BY: D.A.D.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
37B	COOK	33	14
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS	
		FED. AID PROJECT	

\* (3738 & 3939) RS-3



OMISSION  
REFER TO  
ROADWAY PLANS

McCORMICK BOULEVARD

**NOTE:**  
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

*FOR INFORMATION ONLY*

**REPLACE ALL DETECTOR LOOPS AS SHOWN**

(WITHIN THE RESURFACING LIMITS)

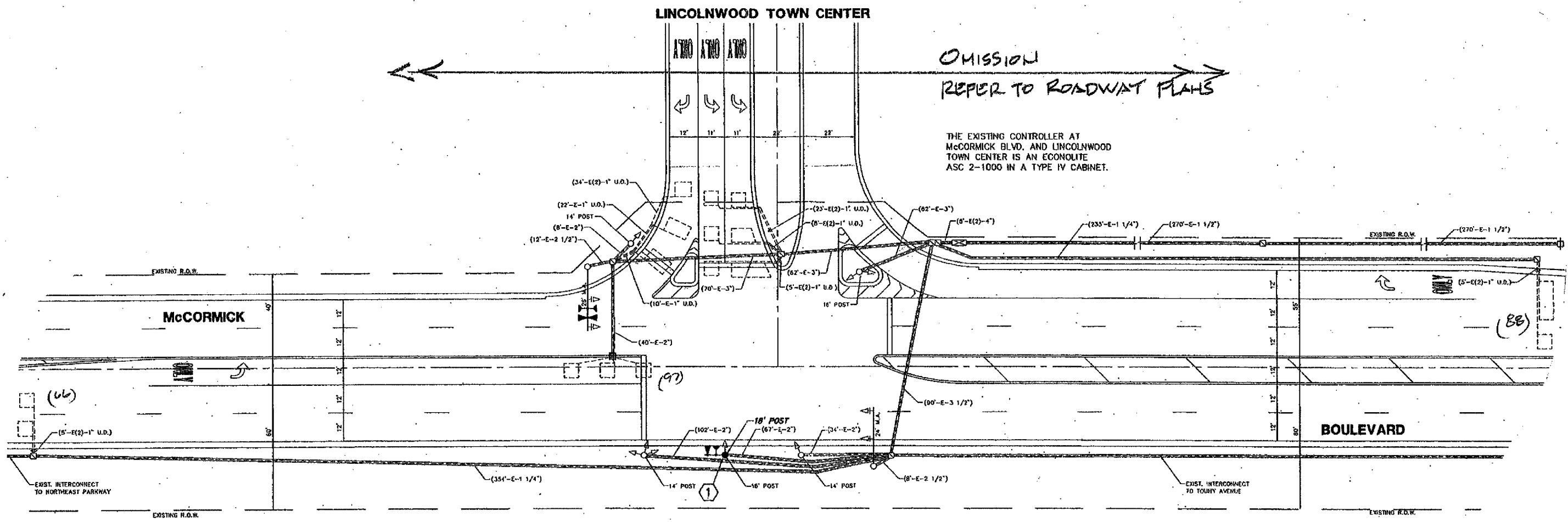
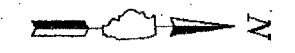
CODE NO.	QUANTITY	UNIT	ITEM
86600600	40	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
McCormick Blvd. @ Pratt Avenue  
SCALE: NONE  
DATE: MAR. 07  
DRAWN BY: JHE  
DESIGNED BY: JHE  
CHECKED BY: DAD.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378 *	COOK	33	15
STA. TO STA.		FED. ROAD DIST NO 7 ILLINOIS	
		FED AID PROJECT	

\* (3736 & 3839) RS-3



OMISSION  
REFER TO ROADWAY PLANS

THE EXISTING CONTROLLER AT  
McCORMICK BLVD. AND LINCOLNWOOD  
TOWN CENTER IS AN ECONOLITE  
ASC 2-1000 IN A TYPE IV CABINET.

**CONSTRUCTION NOTE:**  
① CONTRACTOR SHALL REMOVE EXISTING 16' POST AND  
INSTALL NEW 18' POST, REINSTALL EXISTING SIGNAL  
HEAD. REUSE EXISTING ELECTRIC CABLE.

FOR INFORMATION ONLY

**NOTE:**  
THIS PLAN IS FOR THE PURPOSE OF  
REPLACING THE DETECTOR LOOPS ONLY.  
ALL OTHER INFORMATION SHOWN IS NOT  
RELATED AND WILL BE DISREGARDED.

**REPLACE ALL DETECTOR LOOPS AS SHOWN**

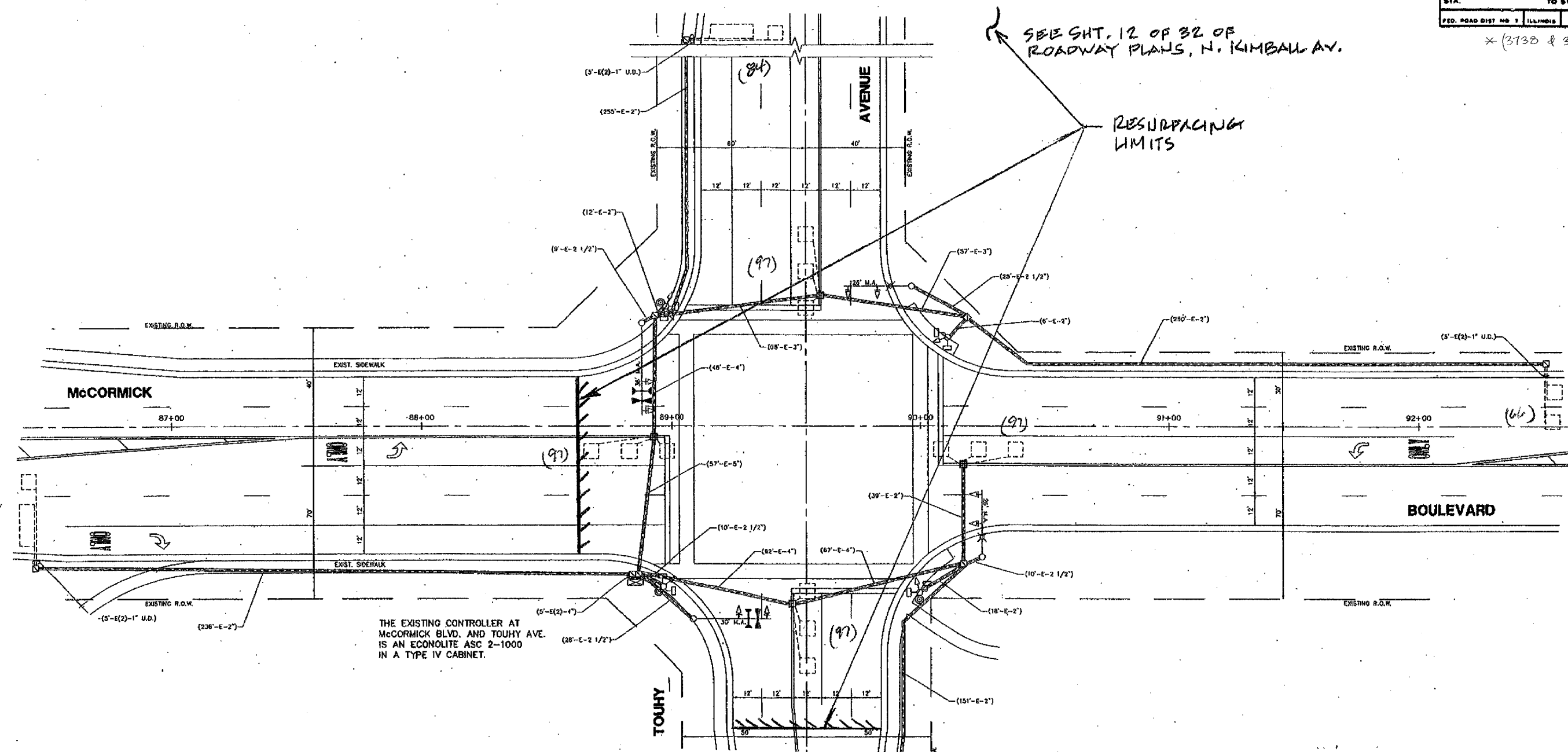
(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	- 0 -	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
McCormick Blvd. @ Lincolnwood  
Town Center  
SCALE: NONE  
DATE: MAR 07  
DRAWN BY: JHE  
DESIGNED BY: JHE  
CHECKED BY: D.A.D.

P. A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	COOK	33	16
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
		* (3730 & 3829) RS-2		



SEE SHT. 12 OF 32 OF ROADWAY PLANS, N. KIMBALL AV.

RESURFACING LIMITS

THE EXISTING CONTROLLER AT MCCORMICK BLVD. AND TOUHY AVE. IS AN ECONOLITE ASC 2-1000 IN A TYPE IV CABINET.

**NOTE:**  
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
(WITHIN THE RESURFACING LIMITS)

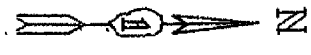
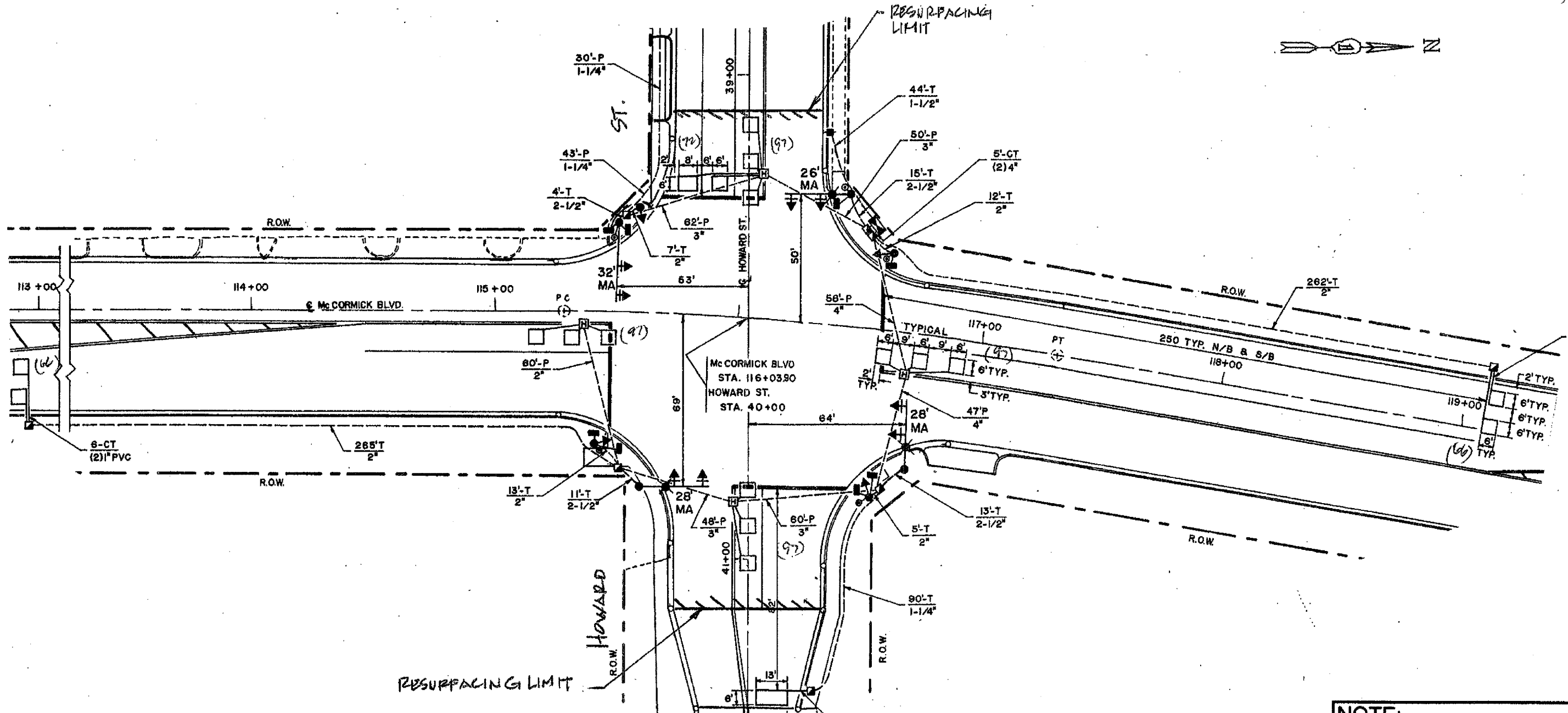
CODE NO.	QUANTITY	UNIT	ITEM
86600600	538	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
McCormick Blvd. @ Touhy Ave.  
SCALE: None  
DATE: MAR. 07  
DRAWN BY: JHE  
DESIGNED BY: JHE  
CHECKED BY: DAD



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310*	COOK	33	17
STA. TO STA.		FED. AID PROJECT	
		* (3738 & 3829) RS-3	



**NOTE:**  
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
 (WITHIN THE RESURFACING LIMITS)

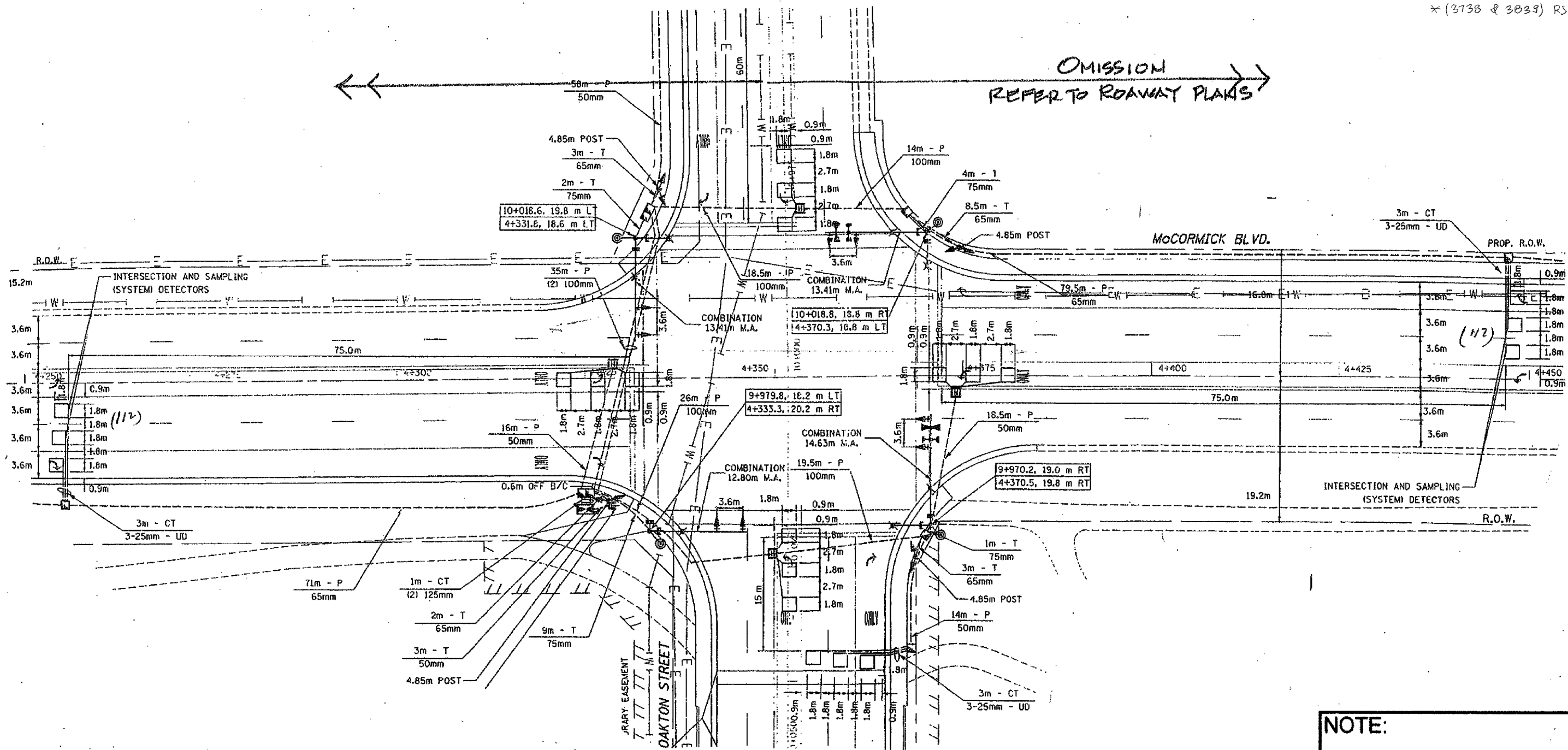
CODE NO.	QUANTITY	UNIT	ITEM
86600600	592	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 McCormick Blvd. @ Howard  
 SCALE: NONE  
 DATE: MAR. 07  
 DRAWN BY: JHE  
 DESIGNED BY: JHE  
 CHECKED BY: DAD

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	COOK	33	10
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS	
		FED. AID PROJECT	

\*(3738 & 3839) RS-3



OMISSION  
REFER TO ROWAY PLANS

FOR INFORMATION ONLY

**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	10	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

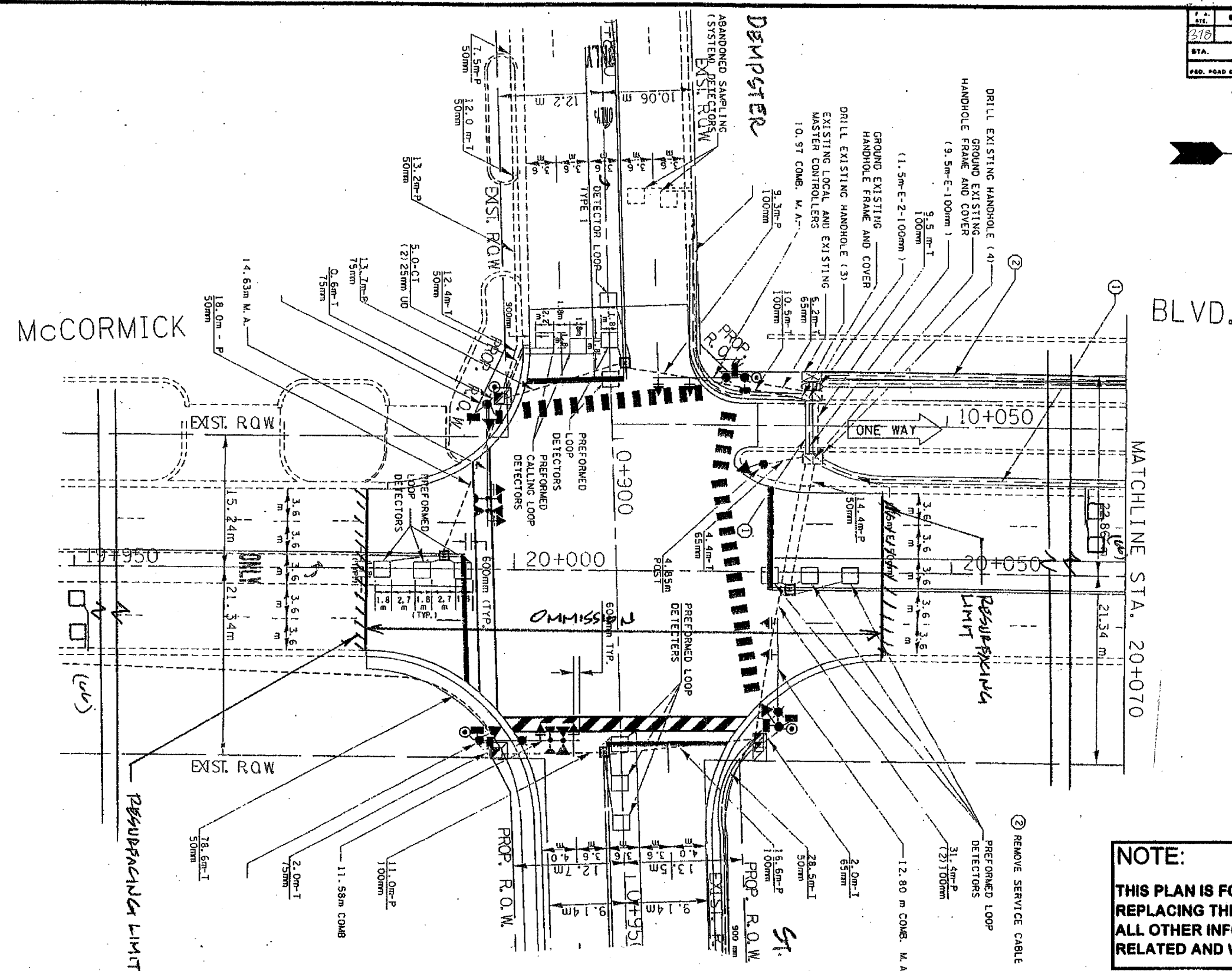
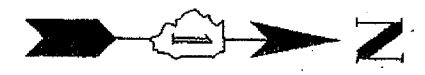
**NOTE:**  
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
McCormick Blvd. @ Oakton St.  
SCALE: 1/8" = 1'-0"  
DATE: MAR 07  
DRAWN BY: JHE  
DESIGNED BY: JHE  
CHECKED BY: DAD



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318 *	COOK	33	20
STA. TO STA.		FED. ROAD DIST NO. 7 ILLINOIS	
		FED. AID PROJECT	

\* (3138 & 3839) RS-3



**NOTE:**  
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
 (WITHIN THE RESURFACING LIMITS)

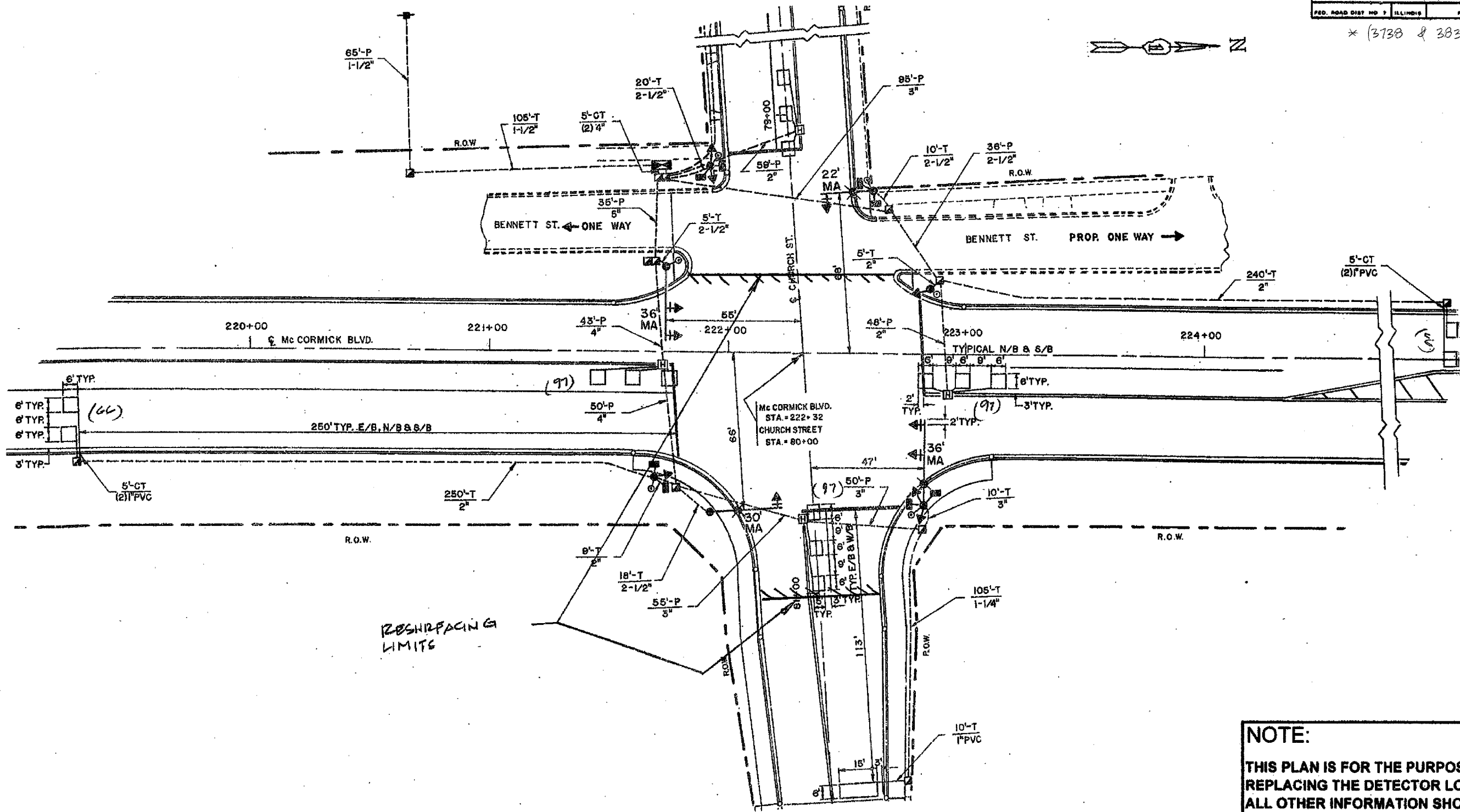
CODE NO.	QUANTITY	UNIT	ITEM
86600600	132	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 McCormick Blvd @ Dempster  
 SCALE: *None*  
 DATE: *MAR 07*  
 DRAWN BY: JHE  
 DESIGNED BY: JHE  
 CHECKED BY: DAD

F.A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	Cook	33	21
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

\* (3738 & 3839) RS-3



**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	423	Foot	Detector Loop Replacement

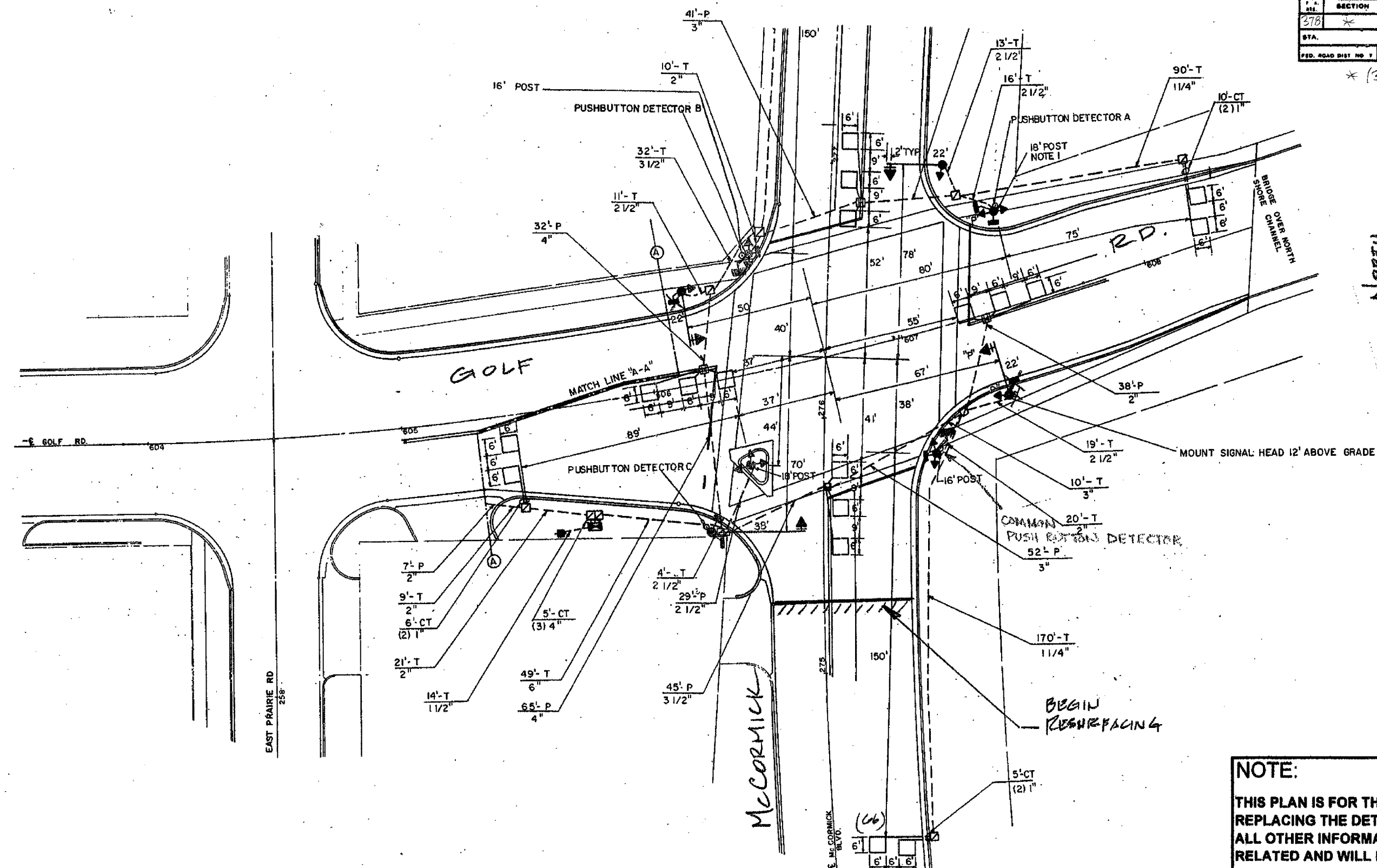
REVISIONS	
NAME	DATE

**NOTE:**  
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
McCormick Blvd. @ Church St.  
SCALE: NONE  
DATE: MAR 07  
DRAWN BY: JHE  
DESIGNED BY: JHE  
CHECKED BY: DAD

P. N. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	*	Cook	33	22
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT

\* (3738 & 3839) RS-3



**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
 (WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	66	Foot	Detector Loop Replacement

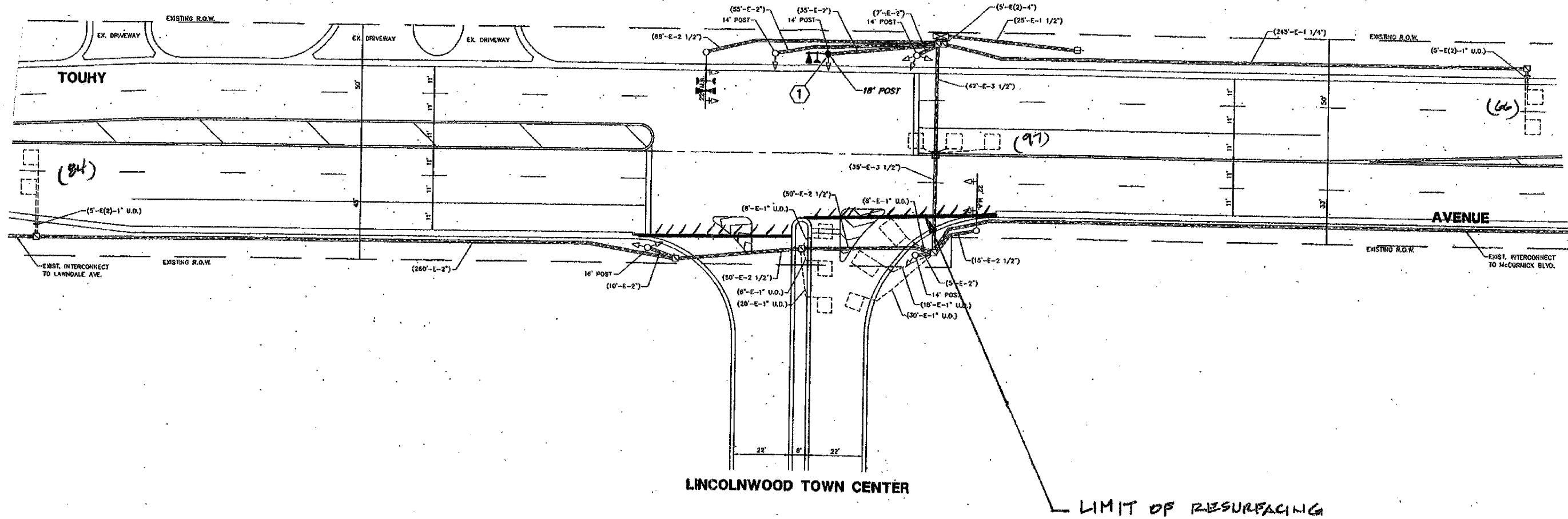
REVISIONS	
NAME	DATE

**NOTE:**  
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 McCormick Blvd. @ Golf Rd.  
 SCALE: NONE  
 DATE: MAR 07  
 DRAWN BY: JHE  
 DESIGNED BY: JHE  
 CHECKED BY: D.A.D.

P.A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	COOK	33	23
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

\* (3130 & 3029) RS-3



LINCOLNWOOD TOWN CENTER

LIMIT OF RESURFACING

**NOTE:**  
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

**REPLACE ALL DETECTOR LOOPS AS SHOWN**

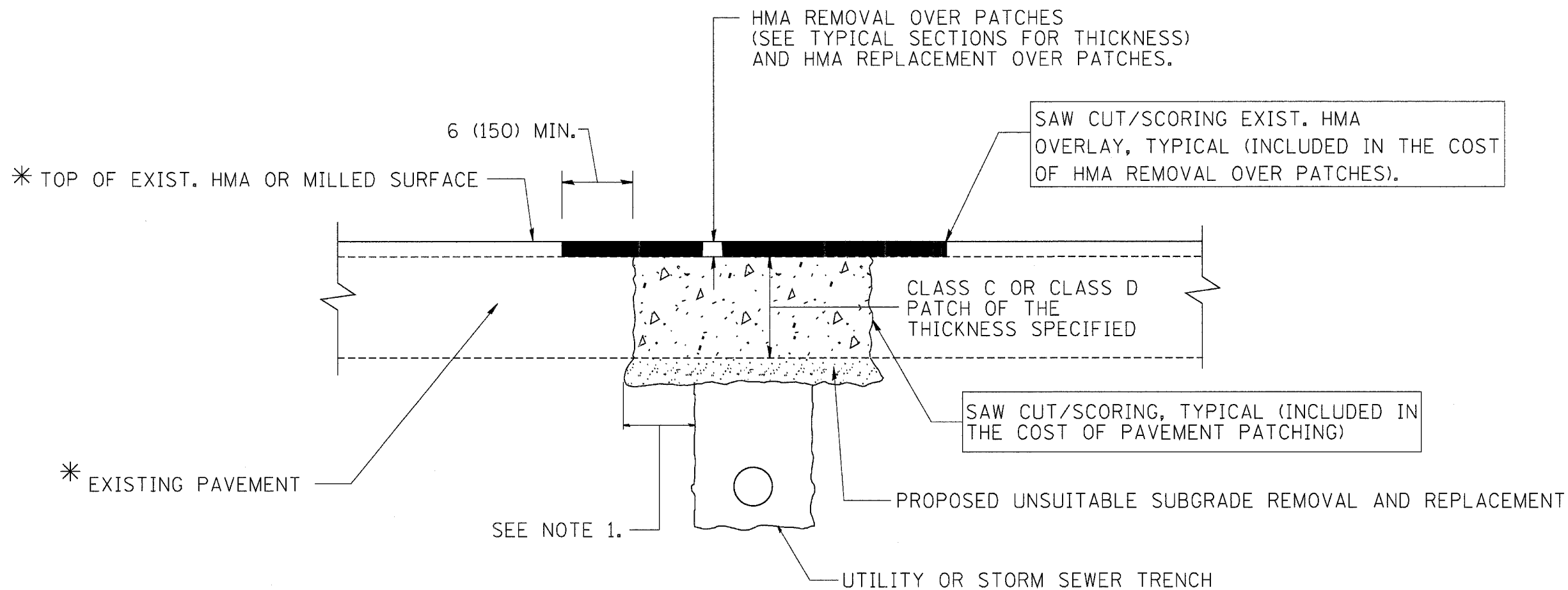
(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	247	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 TOUHY AV. @ N. KIMBALL AV.  
 (LINCOLN TOWN CENTER)  
 SCALE: K100/E  
 DATE: APRIL 07  
 DRAWN BY: JHE  
 DESIGNED BY: JHE  
 CHECKED BY: DAD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	(515) & (530) 4-3	COOK	33	24
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

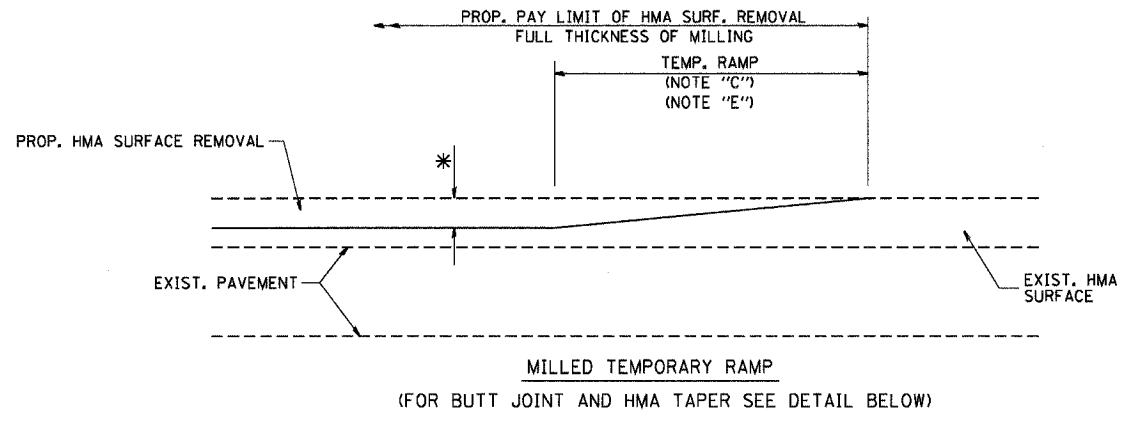
PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

SCALE: VERT. NONE  
HORIZ.

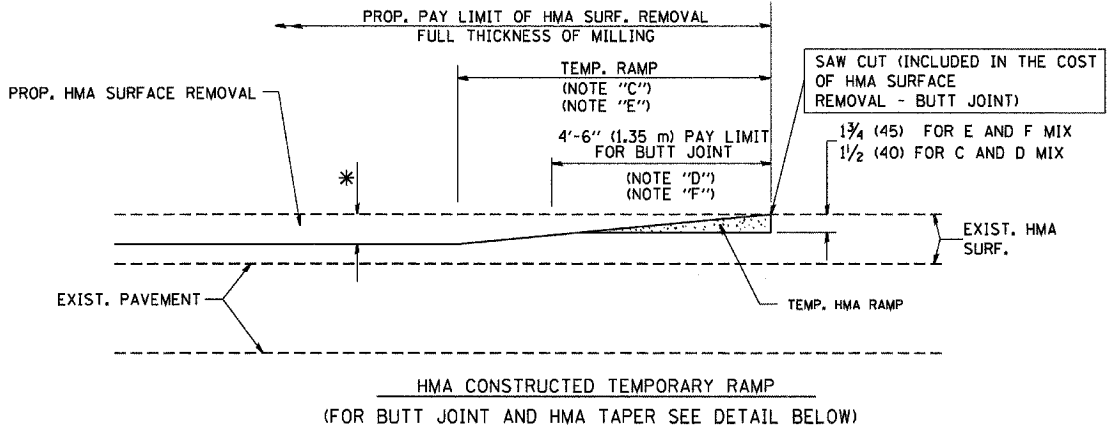
DRAWN BY  
CHECKED BY



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	(5735.1-375) 45-3	COOK	33	25
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

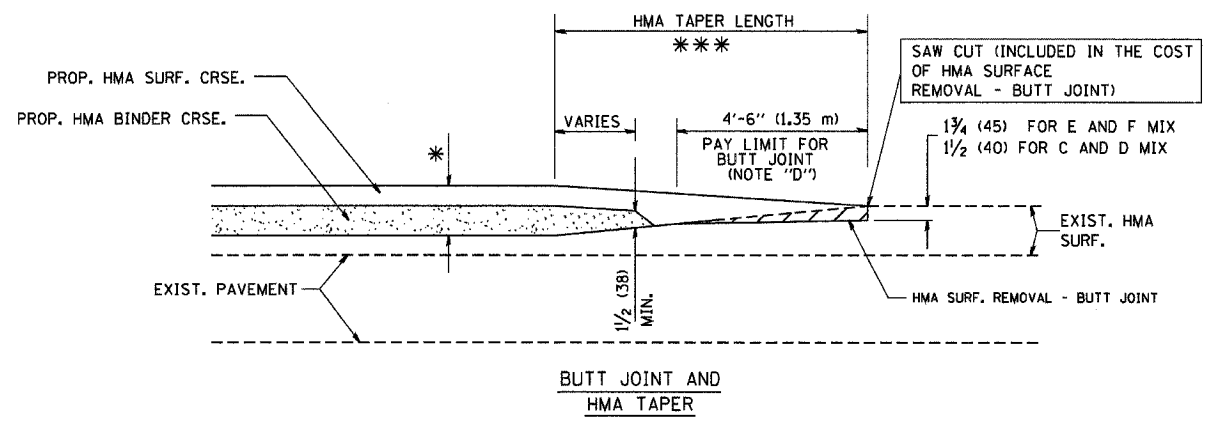


OPTION 1

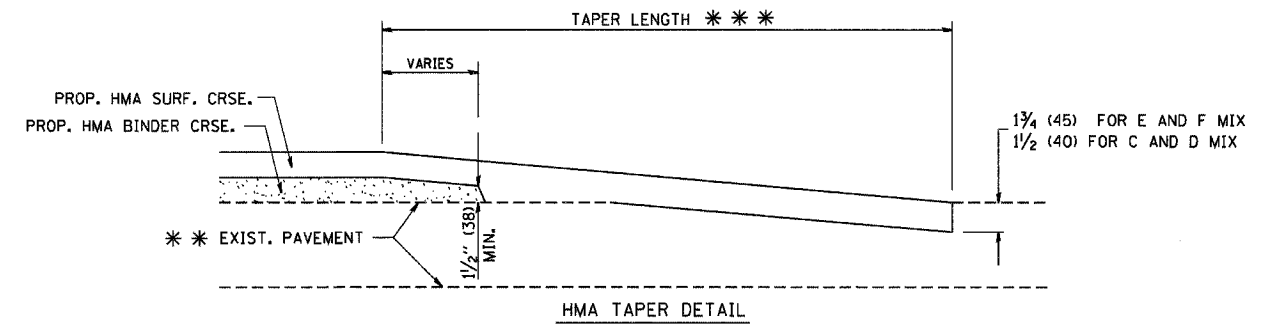
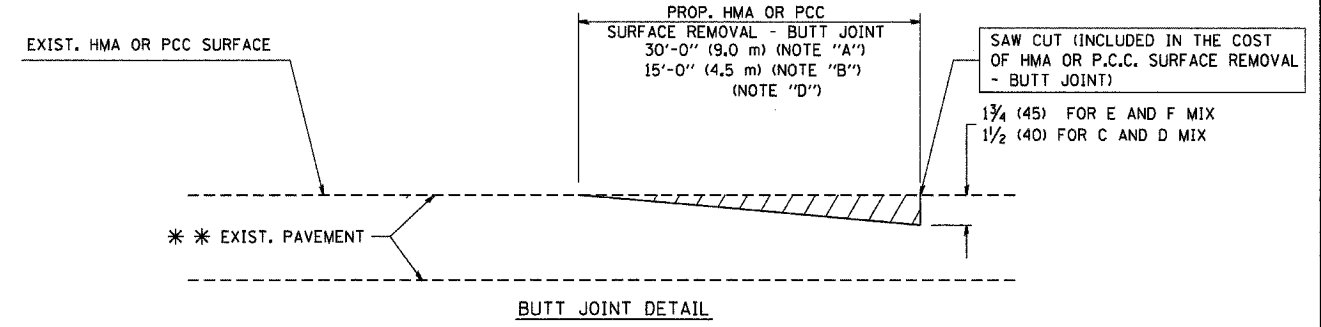


OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \*\*\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

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

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

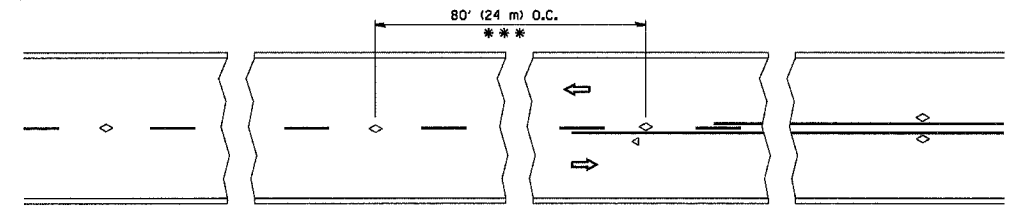
BUTT JOINT AND HMA TAPER DETAILS

SCALE: VERT. NONE  
HORIZ.

DRAWN BY  
CHECKED BY

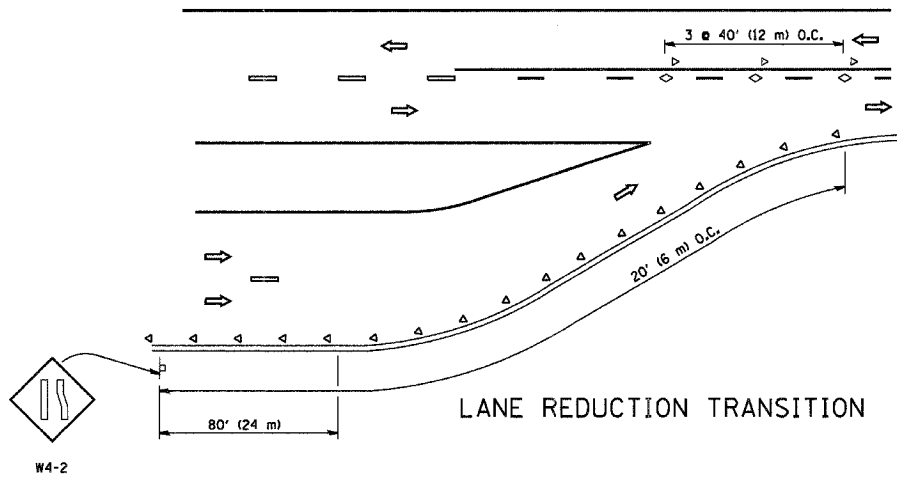
BD400-05 (VI=BD32)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378 (375&376)	3	COOK	33	26
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

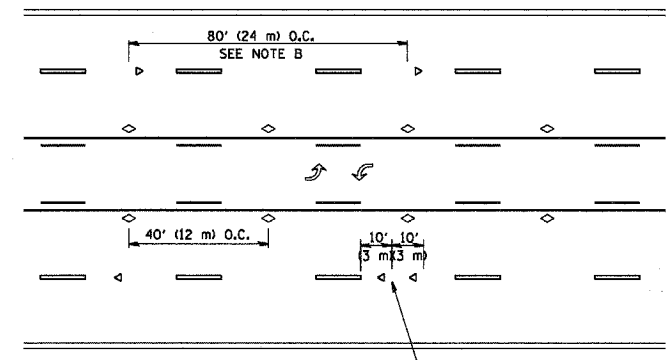


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

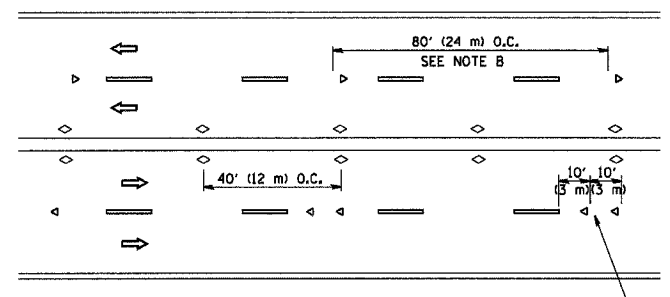
TWO-LANE/TWO-WAY



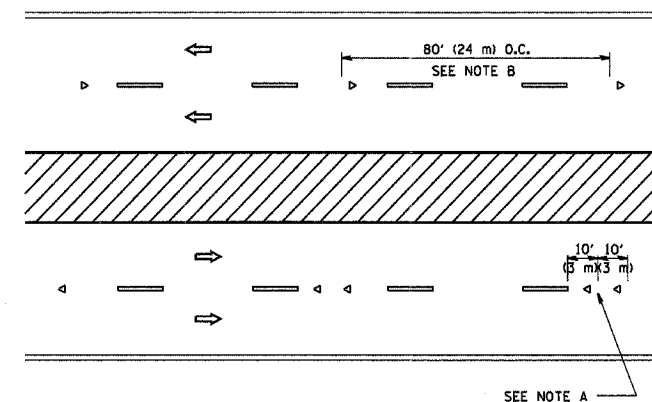
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

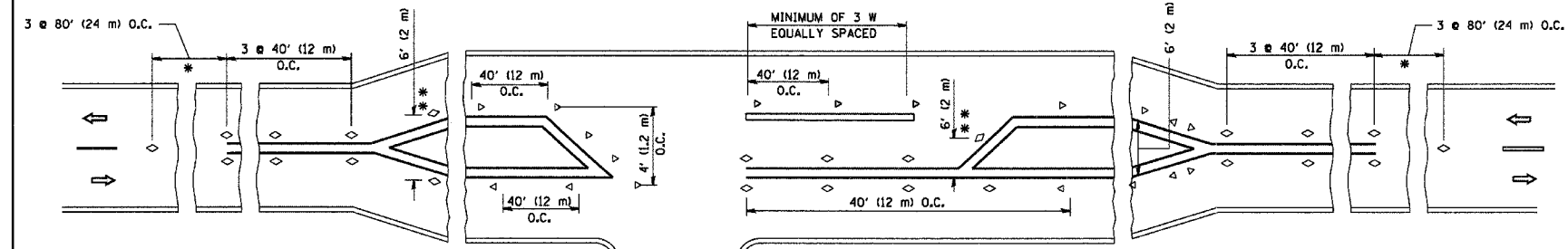
- YELLOW STRIPE
- WHITE STRIPE
- < ONE-WAY AMBER MARKER
- < ONE-WAY CRYSTAL MARKER (W/O)
- < TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

All dimensions are in inches (millimeters) unless otherwise shown.

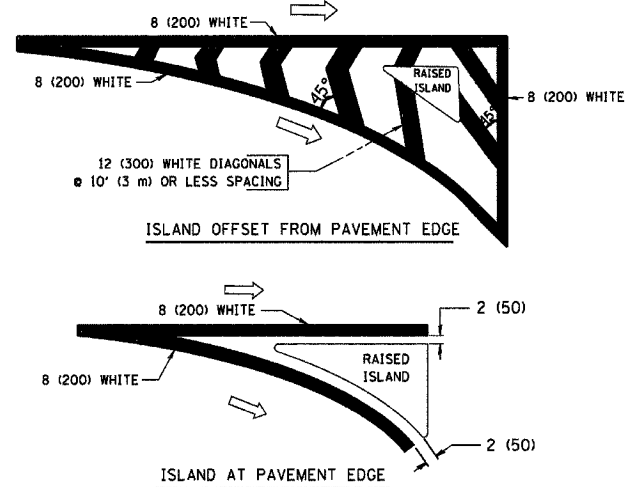
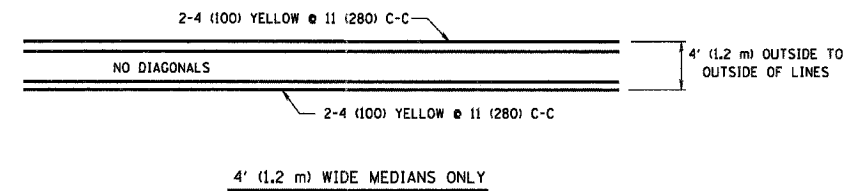
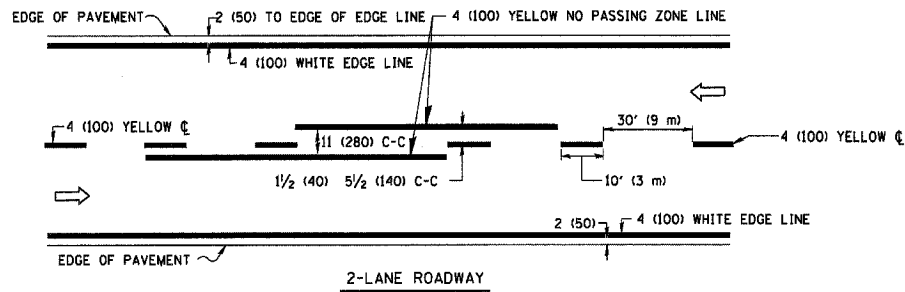
REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT  
 MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE

DRAWN BY CADD  
 CHECKED BY  
 TC-11

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	1533	COOK	33	27
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

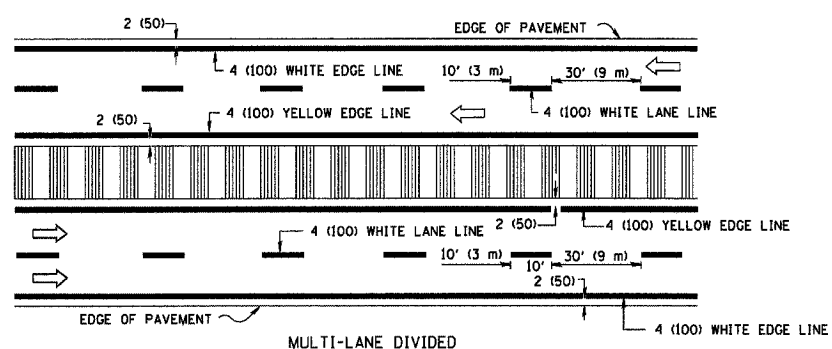
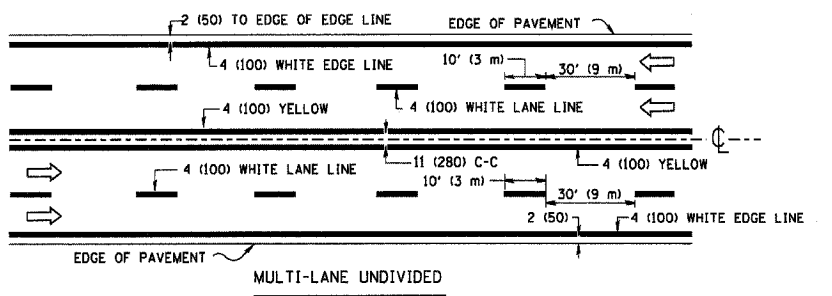
All dimensions are in inches (millimeters) unless otherwise shown.

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS

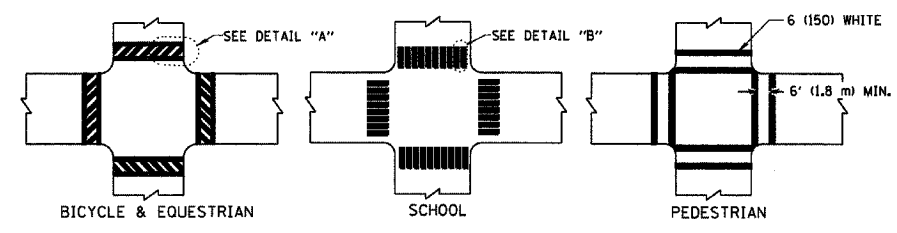
SCALE: NONE

DRAWN BY CADD  
CHECKED BY  
TC-13

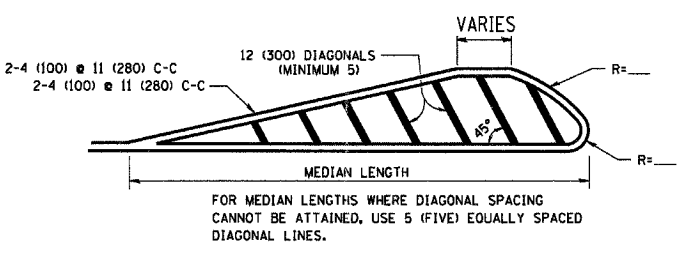


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

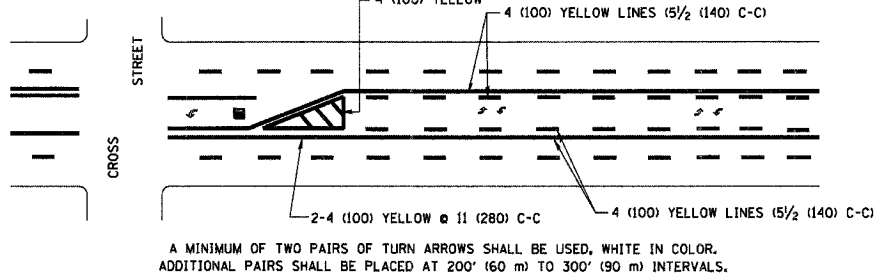
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

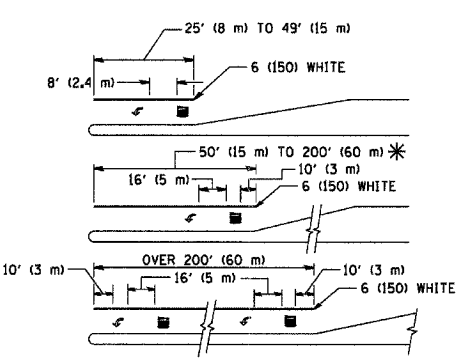


MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
\* AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

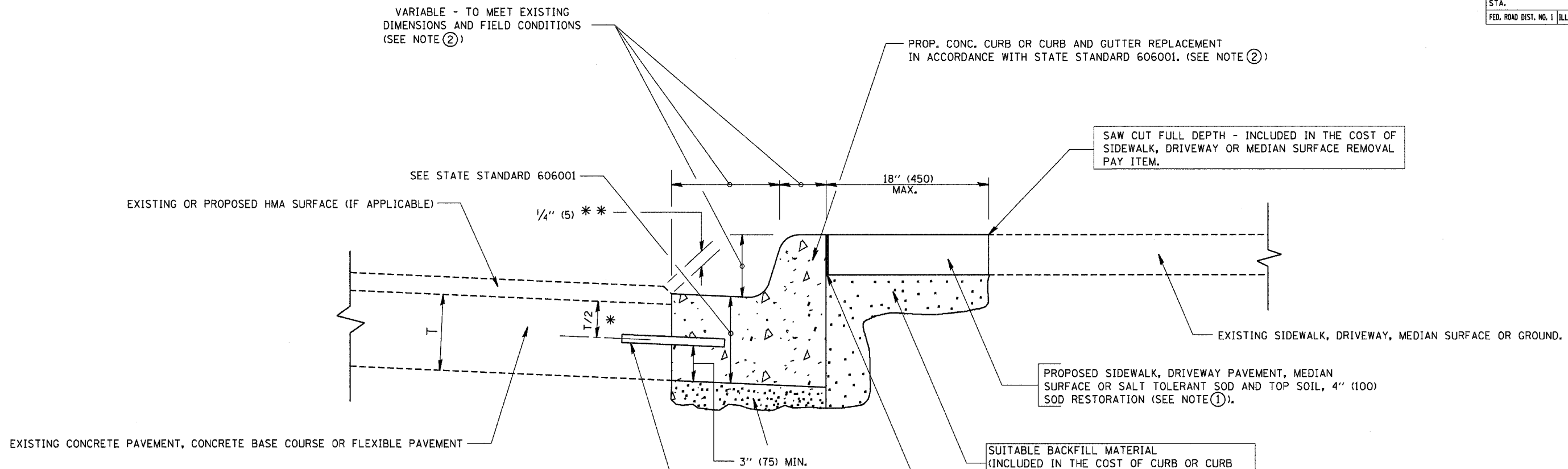
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	675.8-330	COOK	33	29
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
- SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
  - ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
  - ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
  - ⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
  - ⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
  - ⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

**BASIS OF PAYMENT:**  
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

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

REVISIONS	
NAME	DATE
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

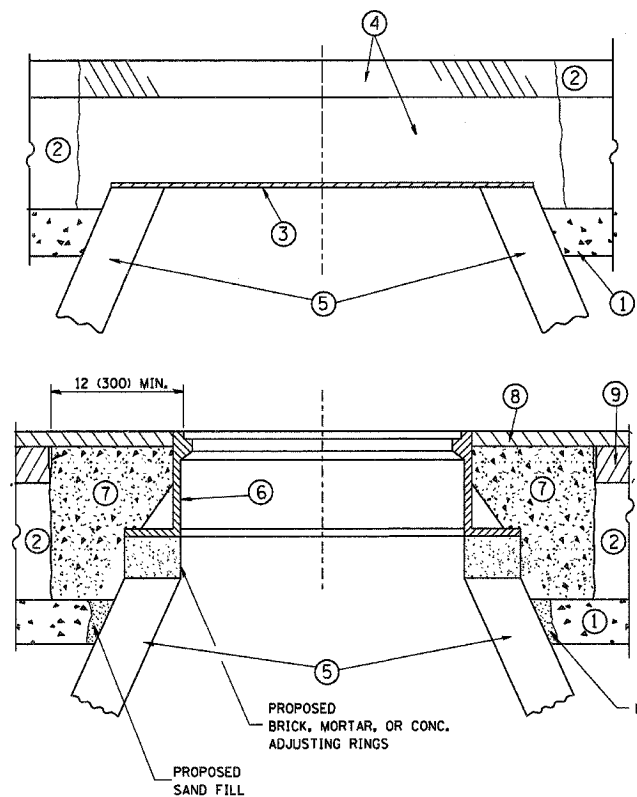
SCALE: VERT. NONE  
 HORIZ. \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

PLOT DATE = 3/15/2007  
 FILE NAME = K:\data\60095\60095.dgn  
 PLOT SCALE = 1/8" = 1' / IN.  
 USER NAME = bauernd

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	(3738 & 3838) 453	COOK	33	30
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**NOTES:**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT:** THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

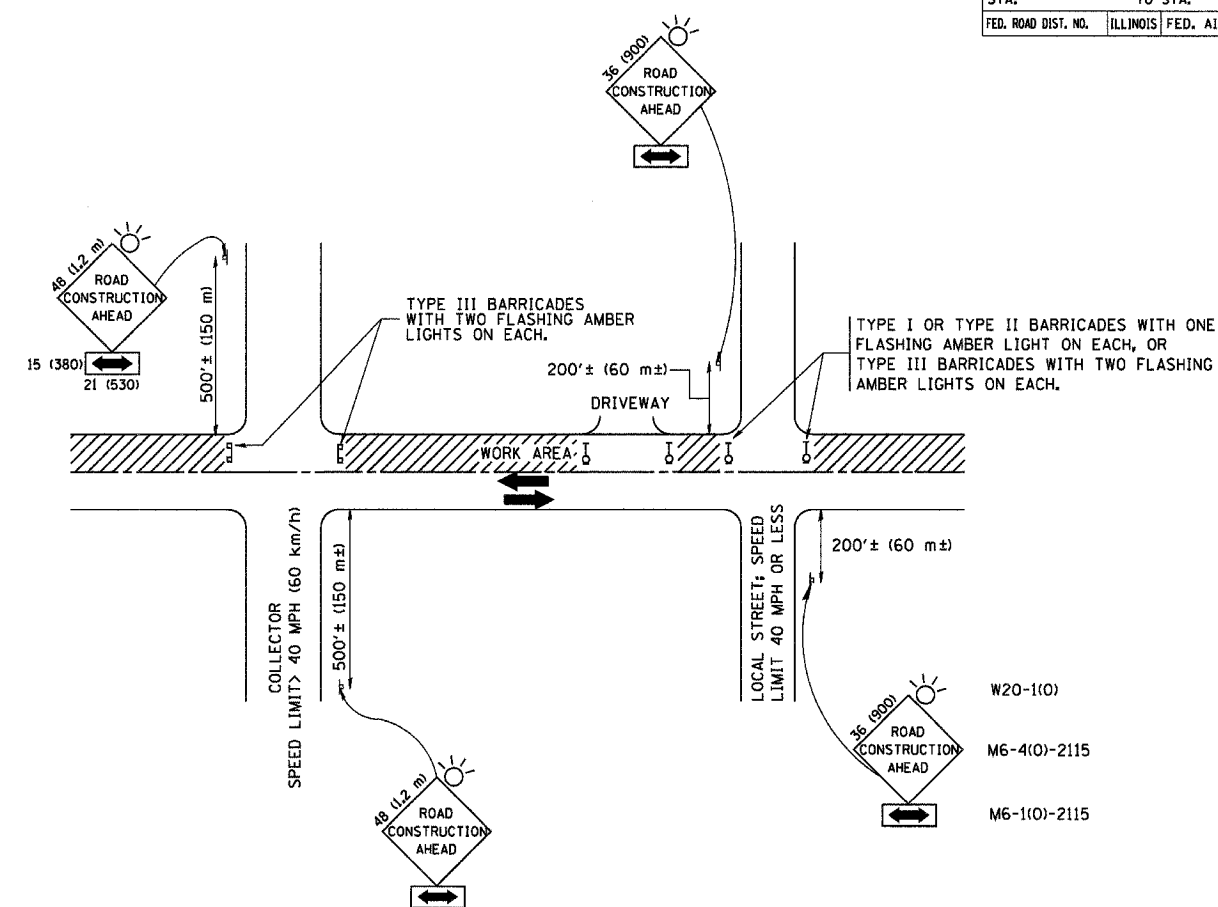
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: VERT. NONE  
 HORIZ. \_\_\_\_\_  
 DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_  
 BD600-03 (BD-8)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	(3738 & 3838) 15-3	COCK	33	31
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS		
NAME	DATE	
LHA	6/89	
T. RAMMACHER	09/08/94	
J. OBERLE	10/18/95	
A. HOUSEH	03/06/96	
A. HOUSEH	10/15/96	
T. RAMMACHER	01/06/00	

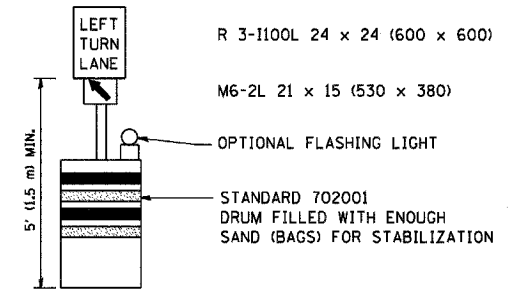
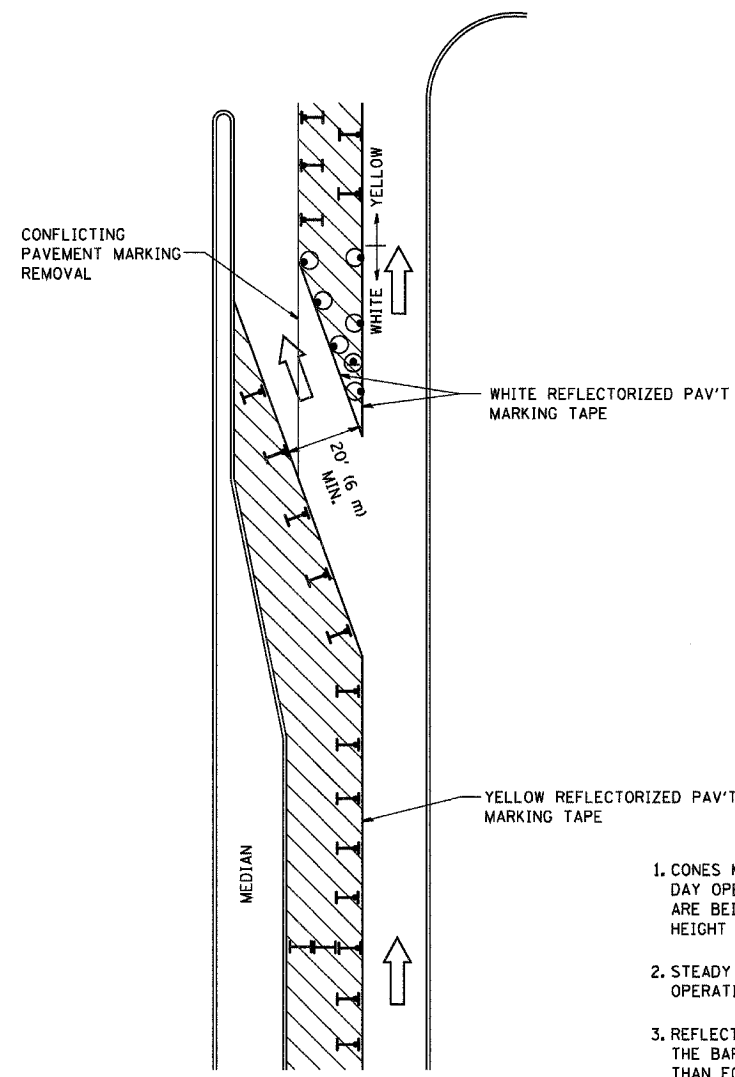
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC CONTROL AND PROTECTION  
 FOR  
 SIDE ROADS, INTERSECTIONS, AND  
 DRIVEWAYS

SCALE: NONE

DRAWN BY  
 CHECKED BY

TC-10







F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	15135 & 2530	COOK	33	32
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**GENERAL NOTES**

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

**LEGEND**

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

All dimensions are in inches (millimeters) unless otherwise shown.

REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL AND PROTECTION  
 AT TURN BAYS  
 (TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE

DRAWN BY  
 CHECKED BY LHA  
 TC-14

PLOT DATE = 3/6/2007  
 FILE NAME = K:\projects\14\14.dgn  
 PLOT SCALE = 50.0000 / IN.  
 USER NAME = bwardl



