

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
 FEDERAL AID PROJECT**

**MAPLE STREET
 FRANCIS STREET TO
 FAP 525 U.S. ROUTE 20 (GRANT HIGHWAY)
 RESURFACING**

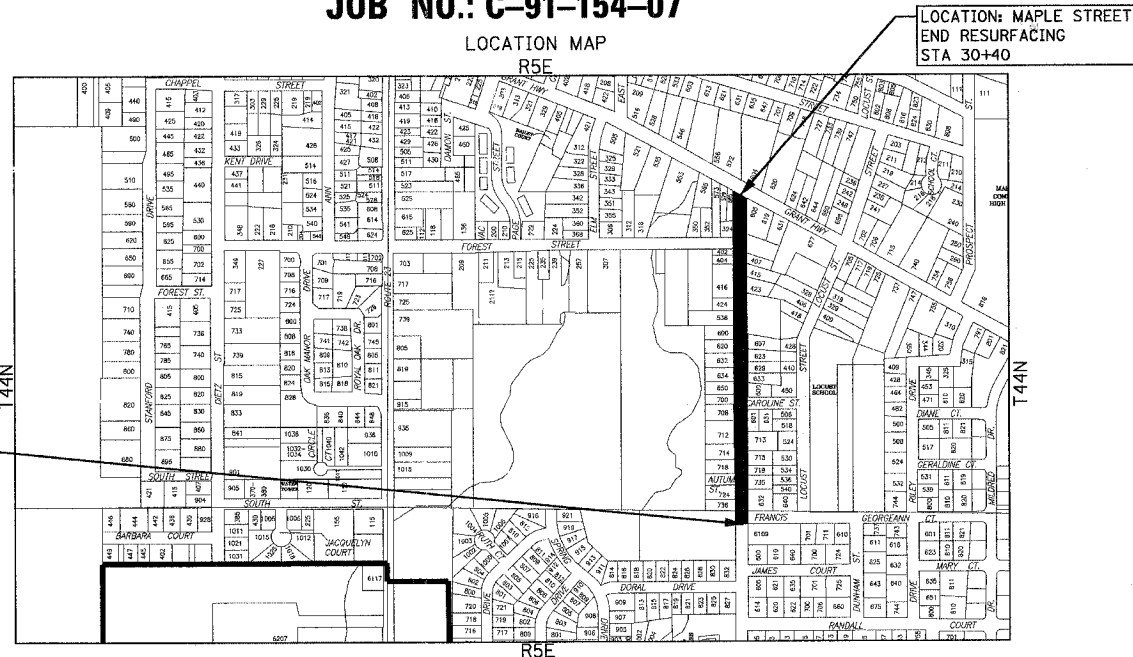
PROJECT NO.: M-8003 (757)
 SECTION: 07-00026-00-RS
 MCHENRY COUNTY
 JOB NO.: C-91-154-07

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00026-00-RS	MCHENRY	10	1
STA.	TO STA.			
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		
C-91-154-07		M-8003 (757)		

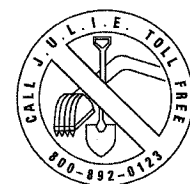
CONTRACT NO. 83929

STANDARD NO. **HIGHWAY STANDARD**
 FOR HIGHWAY STANDARDS, SEE SHEET NO. 2
INDEX TO SHEETS
 FOR INDEX OF SHEETS, SEE SHEET NO. 2

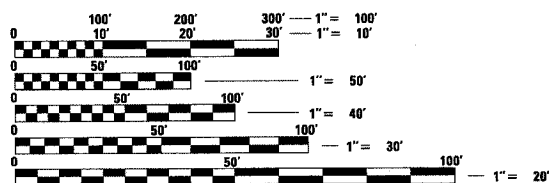
PROJECT LOCATED IN
 THE CITY OF MARENGO



LOCATION: MAPLE STREET
 BEGIN RESURFACING
 STA 11+40



CALL 48 HOURS BEFORE YOU DIG



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.

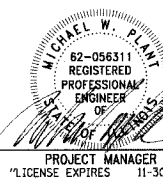
MARENGO TOWNSHIP
 GROSS LENGTH OF IMPROVEMENT = 1,900 LIN. FT. OR 0.36 MILES
 NET LENGTH OF IMPROVEMENTS = 1,900 LIN. FT. OR 0.36 MILES



Baxter & Woodman

TRAFFIC DATA
 POSTED & DESIGN SPEED LIMIT = 30 MPH
 2007 ADT = 2,165

BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2007



Jacob Renc
 PROJECT MANAGER

DATE: 04-13-07

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED *[Signature]*
 4-9-07
 CITY OF MARENGO
 SUPERINTENDENT OF PUBLIC WORKS

PASSED *[Signature]*
 MAY 31, 2007
 DISTRICT 1 ENGINEER
 LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW *[Signature]*
 June 1, 2007
 DEPUTY DIRECTOR OF
 HIGHWAYS, REGION 1 ENGINEER

847-705-4233 SCHAUMBURG, IL
 847-705-4233
 FEDERAL AID DESIGN ENGINEER ARICAIL WILGREEN
 4/10/2007
 COPYRIGHT © 2007 BY BAXTER & WOODMAN, INC.
 LICENSE NO. 184-001121 EXPIRES 4/30/2007
 DOT FEDERAL AID DESIGN ENGINEER ARICAIL WILGREEN

CONTRACT NO.: 83929
 COUNTY: MCHENRY SECTION: 07-00026-00-RS

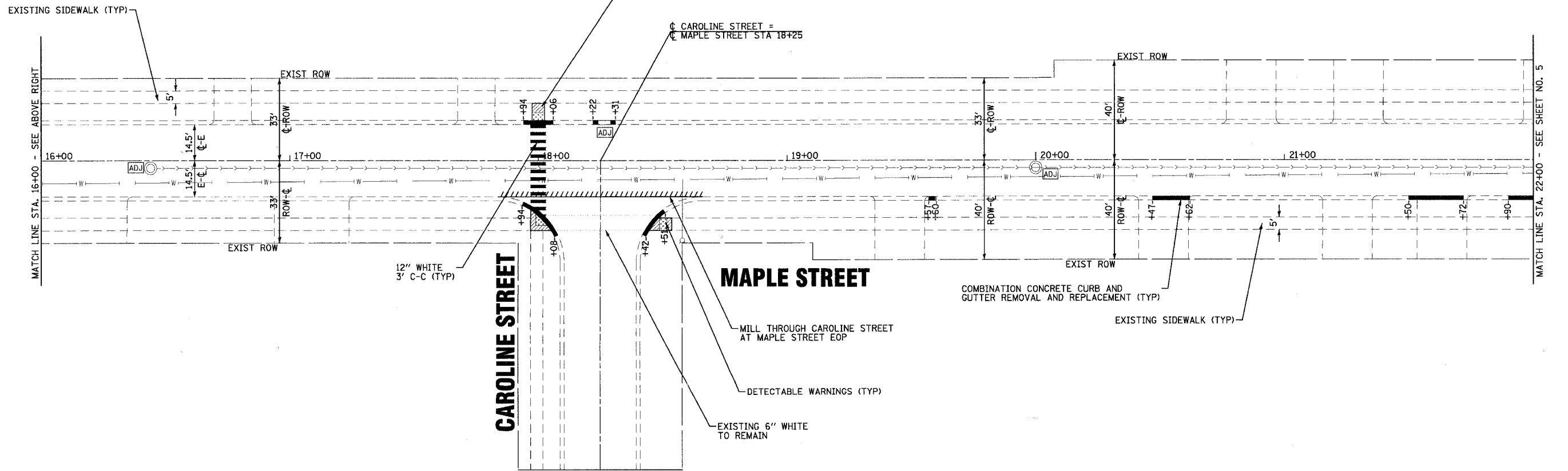
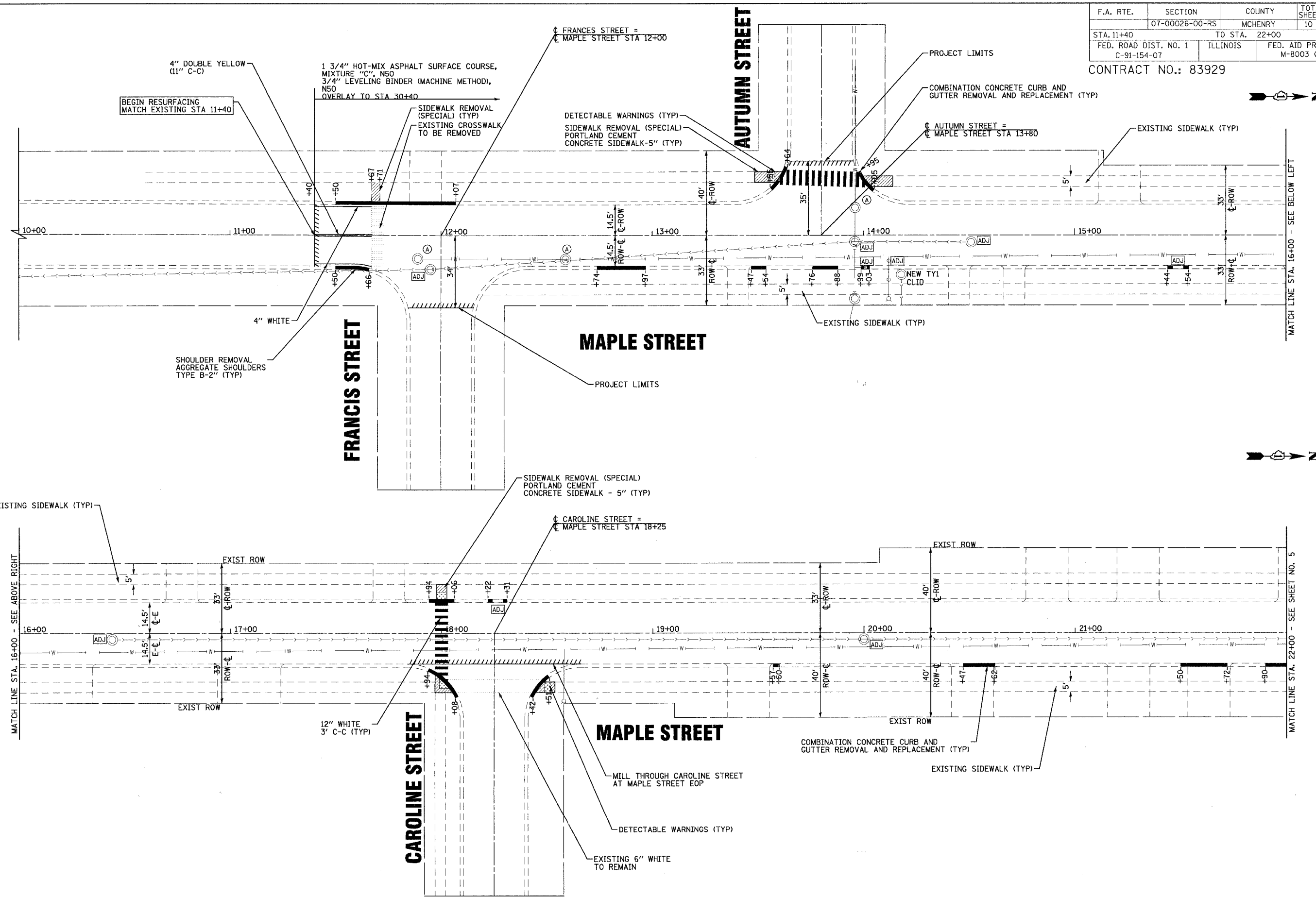
Madison, Wisconsin 608.347.1542 Burlington, Wisconsin (Crystal Lake, Illinois) 262.763.7834 DeKalb, Illinois 815.459.1260 Iasca, Illinois 815.787.3111 Itasca, Illinois 630.773.1870 Mokena, Illinois 708.478.2090 Grayslake, Illinois 847.223.5088 Rockford, Illinois 815.489.1551 Plainfield, Illinois 815.609.7425

(OFFICE WHICH PREPARED PLANS)

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS PROJECT NO.: 061392.40

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA. 11+40	07-00026-00-RS	MCHENRY	10	4
TO STA. 22+00				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-8003 (757)		
C-91-154-07				

CONTRACT NO.: 83929



4/7/2007 4:46:57 PM I:\Maren\061392-Map9 LAPP\026\061392-PPI.dwg
 4/23/2007 8:00:00 AM MWP PROFESSIONAL DESIGN FIRM
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 394-00121 - EXPIRES 4/30/2007

REV. NO.	DATE	PER I.D.O.T. REVIEW	DESCRIPTION
1	3/21/07	PER I.D.O.T. REVIEW	
2	4/13/07	PER I.D.O.T. REVIEW	

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

DRAWING FILE: ... \DCN\061392-PPI.dwg

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 815.488.1890
 Crystal Lake, Illinois
 630.773.1870
 Elmhurst, Illinois
 630.783.7894
 708.478.5090
 Burlington, Wisconsin
 608.441.1111
 DeKalb, Illinois
 815.787.3111
 Grayslake, Illinois
 815.233.5088
 Rockford, Illinois
 815.488.1541
 Plainfield, Illinois
 815.808.7425
 Madison, Illinois
 608.547.1545

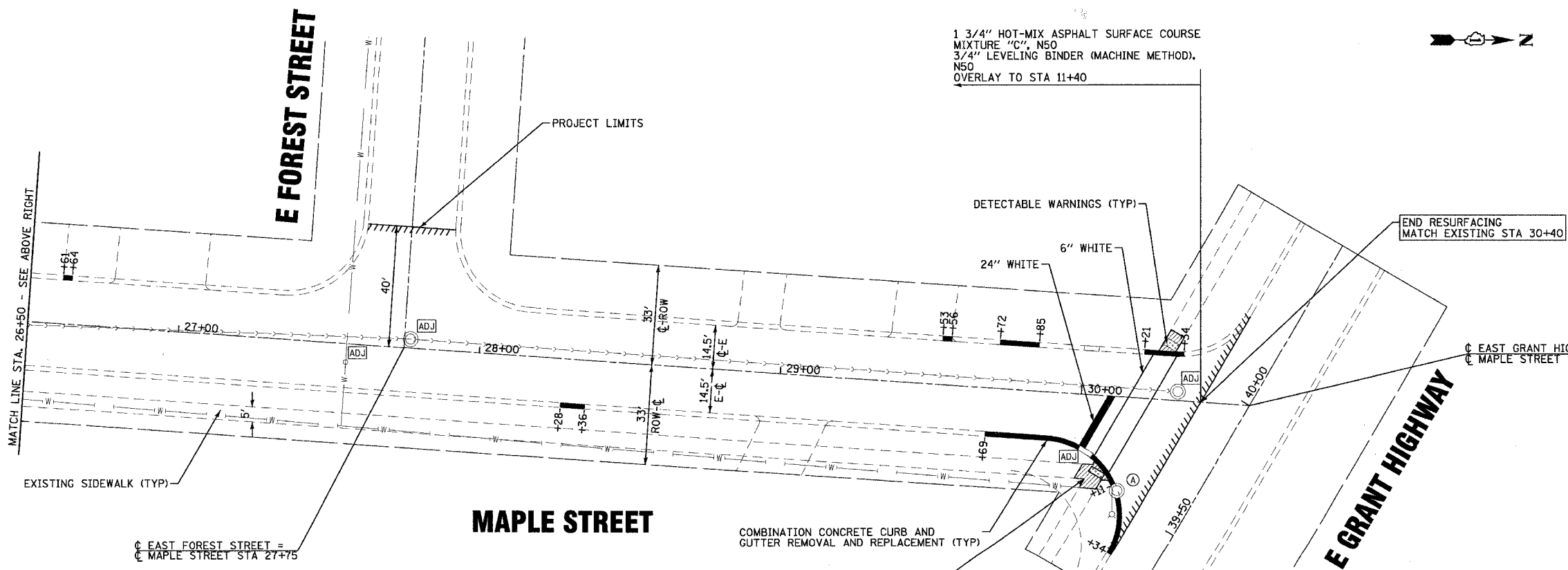
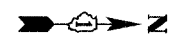
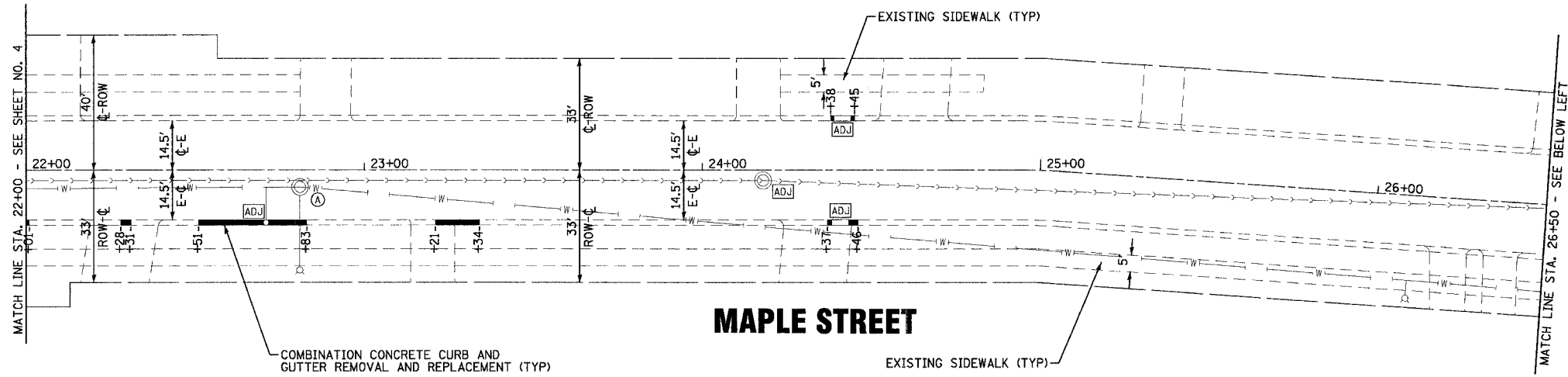
CITY OF MARENGO, ILLINOIS
MAPLE STREET
STP (LAPP) IMPROVEMENTS

MAPLE STREET
STA 11+40 TO STA 22+00

DESIGNED BY	MWP	SCALE	1"=20'
DRAWN BY	RKM	PROJECT NO.	061392.40
CHECKED BY	MWP	SHEET NO.	4 OF 10
DATE	02/09/07		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00026-00-RS	MCHENRY	10	5
STA. 22+00	TO STA. 30+40			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
C-91-154-07		M-8003 (757)		

CONTRACT NO.: 83929



4/1/2007 4:48:59 PM
 COPYRIGHT © 2006 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 061-061392-EXPRES-4/20/2007

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	3/21/07	PER I.D.O.T. REVIEW
	2	4/13/07	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

DRAWING FILE: ...\\DCN\6061392-PP2.sht

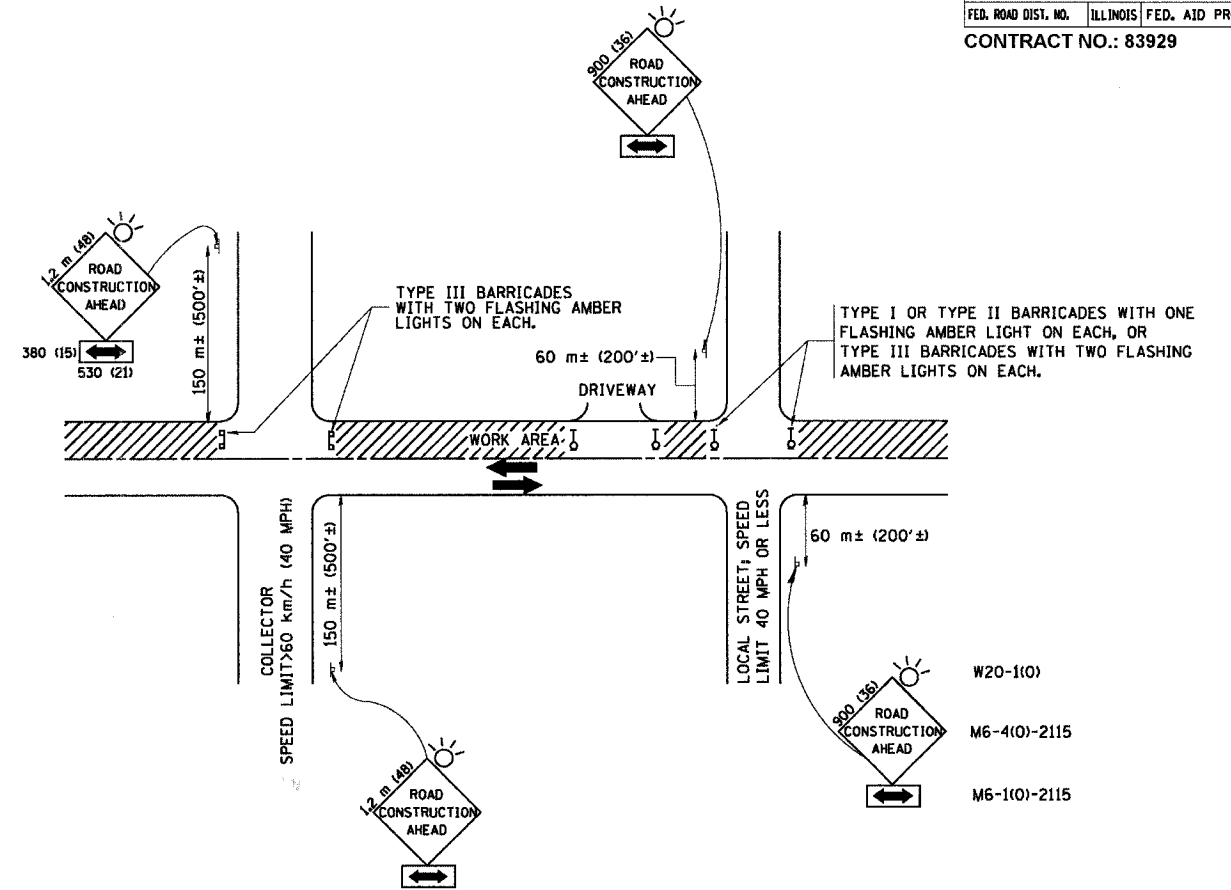


Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Mason, Illinois 815.773.1970
 Burlington, Wisconsin 262.768.7834
 Mokena, Illinois 708.478.5060
 Oakdale, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.499.1051
 Plainfield, Illinois 815.639.7495
 Madison, Illinois 608.347.1542

CITY OF MARENGO, ILLINOIS
MAPLE STREET
STP (LAPP) IMPROVEMENTS

MAPLE STREET
STA 22+00 TO STA 30+40

DESIGNED BY	MWP	SCALE	1" = 20'
DRAWN BY	RKM	PROJECT NO.	061392.40
CHECKED BY	MWP	SHEET NO.	
DATE	02/09/07		
			5 OF 10



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

NOTES:

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

- SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.
 - 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.
- 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.

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

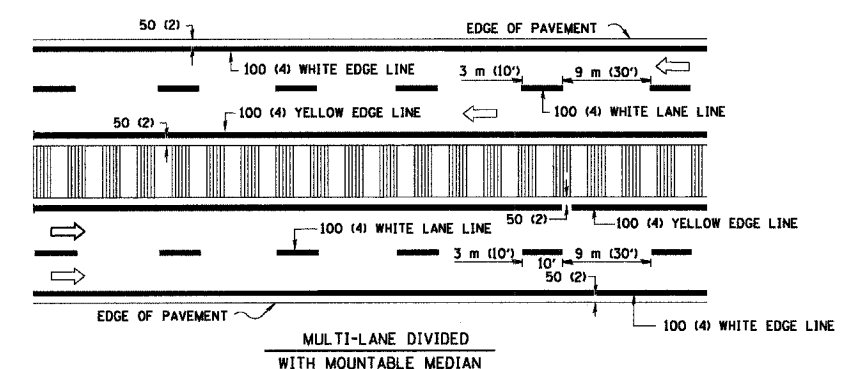
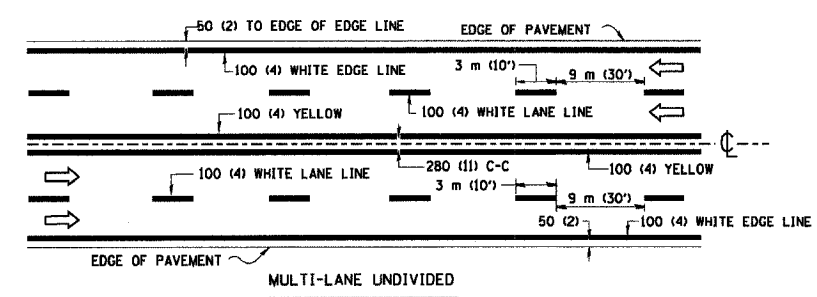
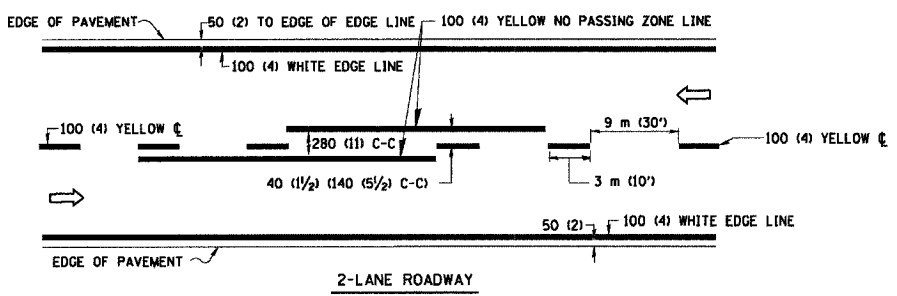
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL AND PROTECTION
 FOR
 SIDE ROADS, INTERSECTIONS, AND
 DRIVEWAYS

SCALE:
 DATE: 2/15/2006

DRAWN BY
 CHECKED BY

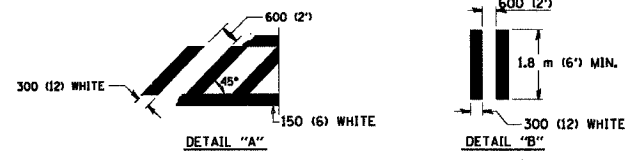
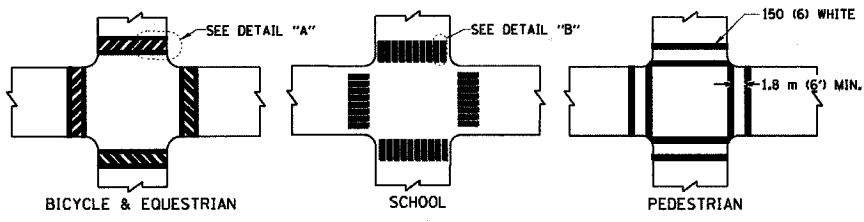
TC-10

REVISION DATE: 01/06/00

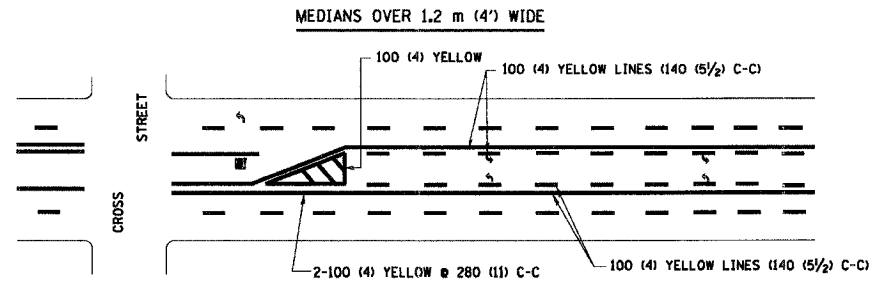
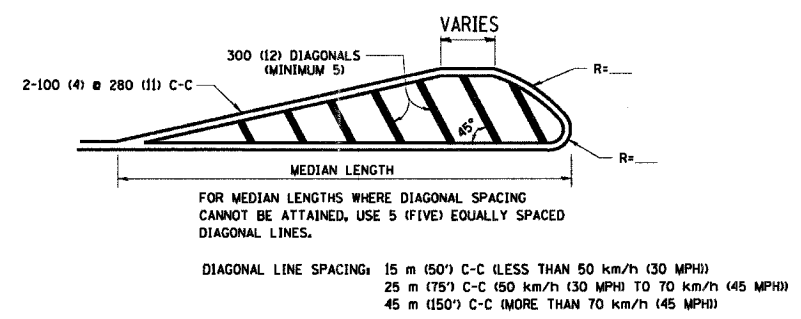
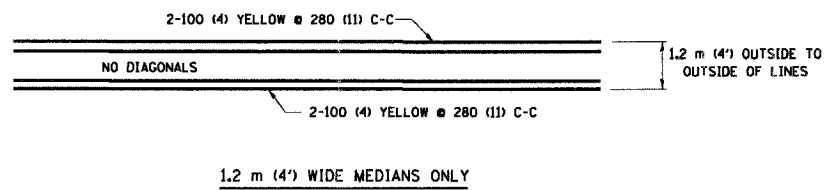


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

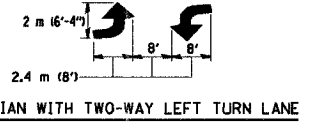
TYPICAL LANE AND EDGE LINE MARKING



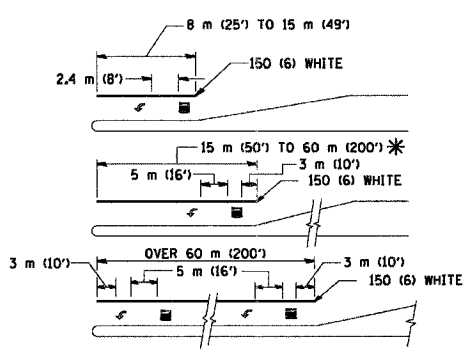
TYPICAL CROSSWALK MARKING



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 60 m (200') TO 90 m (300') INTERVALS.



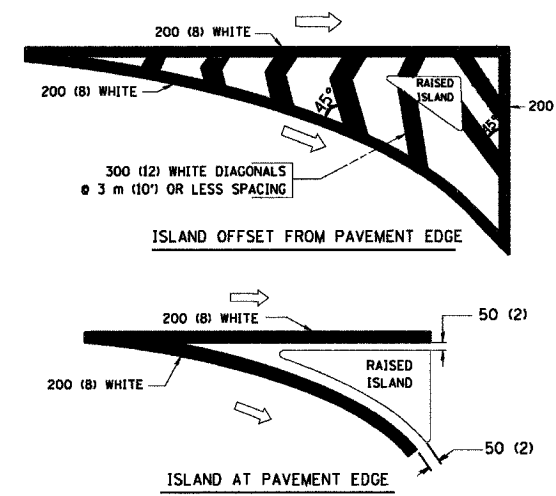
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.
 AREA = 1.5 m² (15.6 SQ. FT.) ONLY AREA = 1.9 m² (20.8 SQ. FT.)
 * TURN LANES IN EXCESS OF 120 m (400') 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



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (24) LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) 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 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (24) APART 600 (24) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

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

All dimensions are in millimeters (inches) 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

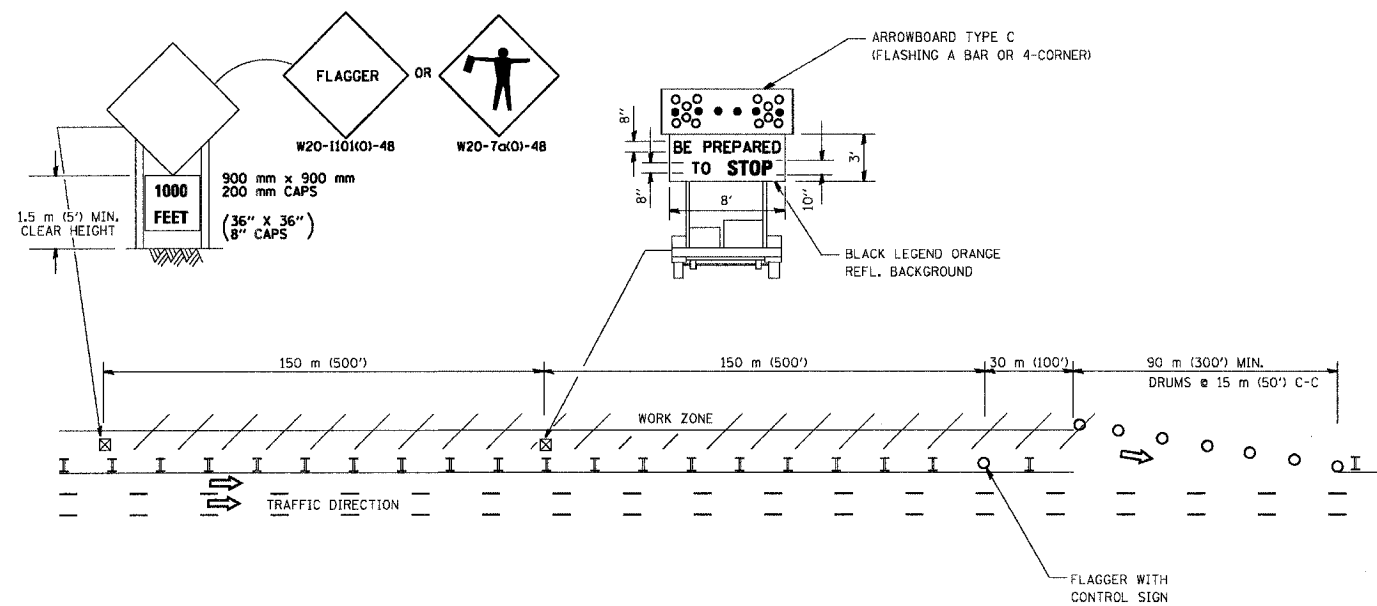
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS
 SCALE: NONE
 DATE: 2/15/2006
 DRAWN BY CADD
 CHECKED BY
 TC-13
 REVISION DATE: 01/06/00

PLT DATE = 2/15/2006
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 USER NAME = epi@illmoast

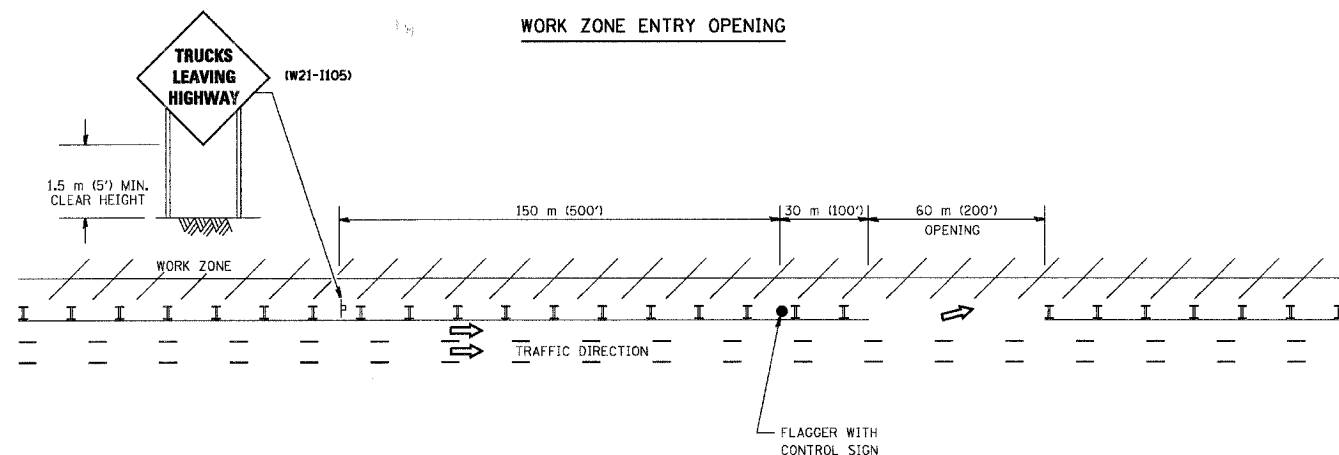
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
07-00026-00-RS	MCHENRY		10	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.: 83929		

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
2. Work Zone Exit Openings should be a minimum of one half mile apart.
3. Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
DWS	8/98
JAF	4/03
JAF	2/06

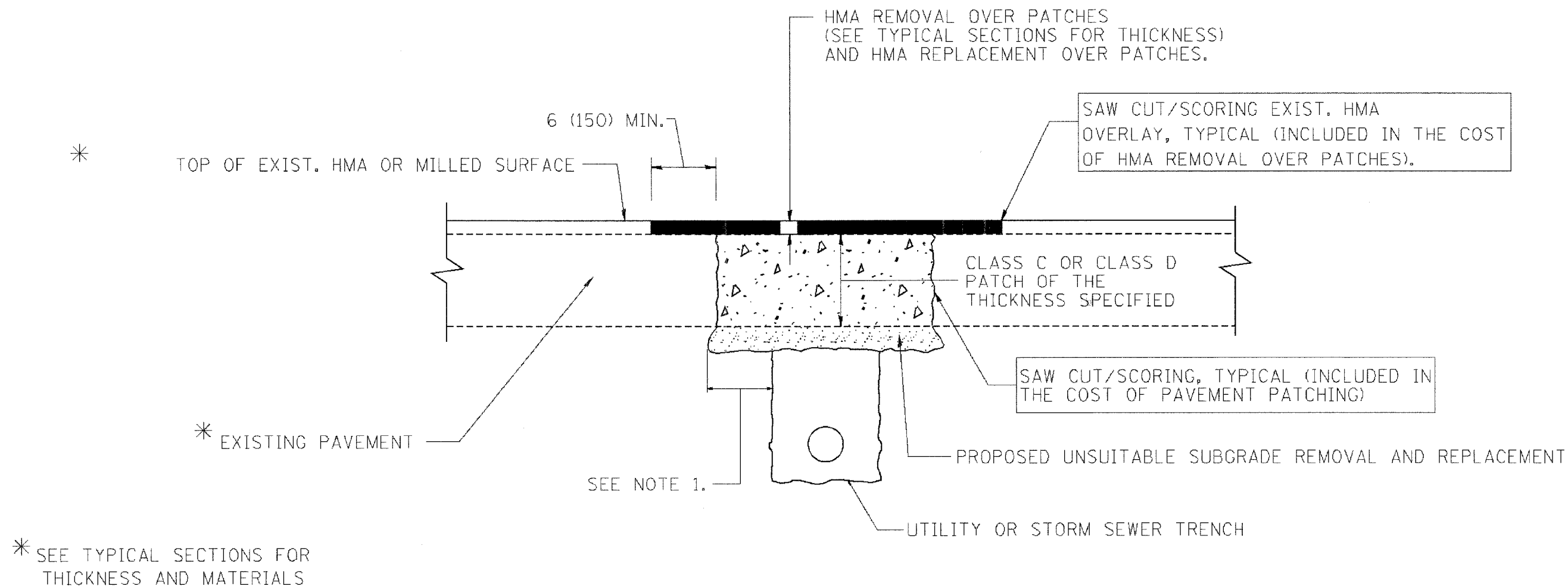
ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

SCALE: NONE
DATE: 3/1/2006
DRAWN BY CADD
CHECKED BY TC-18

PLOT DATE = 3/1/2006
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PLOT SCALE = 68.889 / IN.
USER NAME = jafgo

F.A. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00026-00-RS	MCHEMRY	10	9
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 83929



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	10/25/84
R. SHAH	01/14/85
R. SHAH	03/23/85
R. SHAH	04/24/85
A. HOUSEH	03/15/86
A. ABBAS	03/21/87
A. ABBAS	01/20/88
ART ABBAS	04/27/88
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

SCALE: VERT. NONE
HORIZ. NONE
PLOT DATE: 10/31/2006

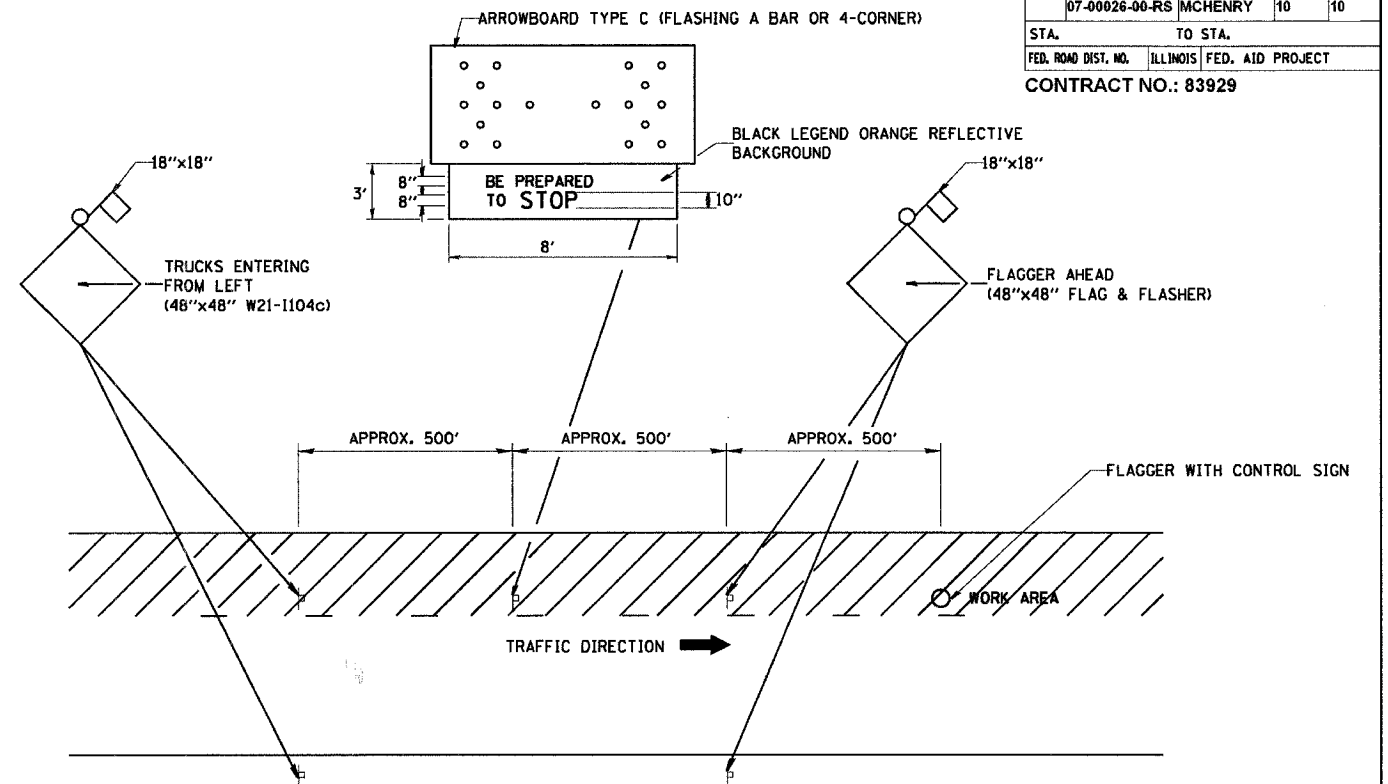
DRAWN BY

CHECKED BY

BD400-04 (BD-22)

REVISION DATE: 01/01/07

PLOT DATE : 10/31/2006
FILE NAME : C:\constr\bd22.dgn
PLOT SCALE : 1/16" = 1'-0"
USER NAME : boro



METHOD OF FLAGGING

NOTE:

1. SIGNS SHALL BE MOUNTED AT A MINIMUM CLEARANCE HEIGHT OF 5 FEET
2. ALL SIGNS SHALL BE REMOVED WHEN THE FLAGGING OPERATION CEASES.
3. THIS CASE ALSO APPLIES WHEN THE WORK ZONE IS ON THE RIGHT. UNDER THESE CONDITIONS "TRUCKS ENTERING FROM RIGHT" SIGNS SHALL BE SUBSTITUTED FOR "TRUCKS ENTERING FROM LEFT" SIGNS. ALSO THE ARROWBOARD AND "BE PREPARED TO STOP" SIGNS SHALL BE RELOCATED TO THE RIGHT SIDE OF THE ROAD.
4. WORK ZONE ACCESS POINTS SHOULD BE A MINIMUM OF ONE HALF MILE APART. MEDIAN WORK ZONE ACCESS POINTS SHOULD NOT BE LOCATED OPPOSITE OF EACH OTHER.
5. NIGHTTIME FLAGGING OPERATIONS: THE FLAG STATION SHALL BE LIGHTED WITH ADDITIONAL LIGHTS OTHER THAN STREET LIGHTS. THE FLAGGER CONTROL SIGN AND THE FLAGGER'S VEST SHALL BE REFLECTORIZED. IN ADDITION, THE FLAGGER SHALL HAVE A FLASHLIGHT OR LIGHTED WAND.

REVISIONS	
NAME	DATE
RAY RITCHIE	5/10/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

METHOD OF FLAGGING

SCALE: NOT TO SCALE
DATE: 2/15/2006

DRAWN BY C.A.D.
CHECKED BY
BM-14

PLOT DATE = 2/15/2006
FILE NAME = C:\Users\cadd\OneDrive\Documents\Method.dgn
PLOT SCALE = 1/8"=1'-0"
USER NAME = cadd