### INDEX OF SHEETS

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2		GENERAL NOTES
3		TYPICAL SECTIONS
4		TYPICAL PAVEMENT MARKINGS
5		TRAFFIC CONTROL DETAILS
6		DUNHAM RD: PALMER ST - 63rd ST
7		PRENTISS DR: PUFFER RD - SPRINGSIDE AVE
8		DOWNTOWN DOWNERS GROVE BIKE LANES
9	¥35	SIGNAGE DETAILS
10		DUNHAM RD: FOSTER — 59th ST AND PRENTISS /BOLSON: WOODWARD ST — DUNHAM RI
11		VARIOUS STREETS SOUTH & WEST OF DOWNTOWN
12		DOWNTOWN DOWNERS GROVE
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PROJECT LOCATED ENTIRELY WITHIN THE VILLAGE OF DOWNERS GROVE

### INDEX OF STANDARDS

STANDARD #	HIGHWAY STANDARDS
00000105	STANDARD SYMBOLS, ABBREVIATIONS, & PATTERNS
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATION
70131102	LANE CLOSURE, 2L, 2W, MOVING OPERATION - DAY ONLY
701901	TRAFFIC CONTROL DEVICES (3 SHEETS)
72000601	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS
729001	APPLICATION OF TYPES A& B METAL POSTS
780001-01	TYPICAL PAVEMENT MARKINGS



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.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

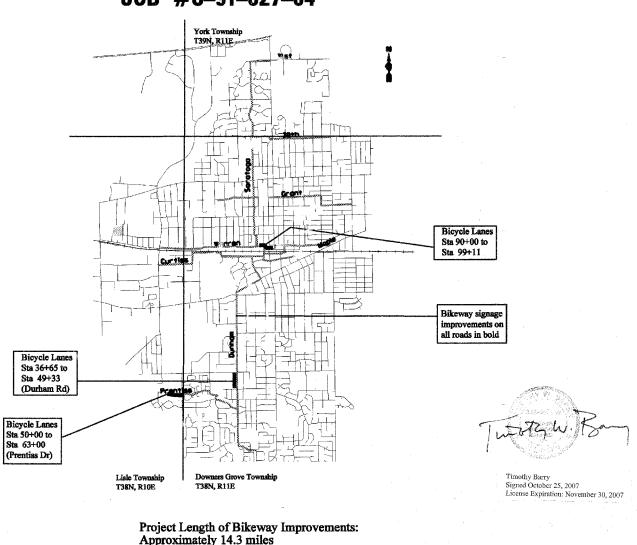
CONTRACT NO. 83972

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED FEDERAL AID PROJECT

VARIOUS LOCATIONS BIKEWAY PAVEMENT MARKING & SIGNAGE

SECTION 02-00093-00-BT PROJECT CMM-8003(327) DUPAGE COUNTY JOB #C-91-027-04

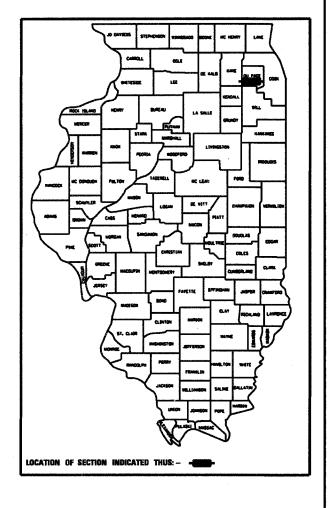


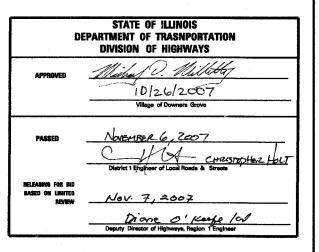
RAE. SECTION COUNTY SHEETS NO.

O2-00093-00- DUPAGE 14 1

CONTRACT NO. 83972

CONTRACT NO. 83972





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

02-0	78-00-EP	DUPAGE	14	2
FED. ROAD DIS	ST 80 11 1 100	IS FED. AID	DDO IECT	

## GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS & RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2007; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (IMUTCD)", THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT' DOCUMENT.
- 2. ALL REFERENCES TO STANDARDS IN THE PLAN OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT.
- 3. DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- 4. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 48 HOURS IN ADVANCE.

## SUMMARY OF QUANTITIES

Item Number	Items	Unit	Total Quantity	Roadside Improvements SFTY-1B	Pavement Markings SFTY-1D	Traffic Signs Y002-1C
X0322748	Bicycle Lane Marking (Standard)	Each	37	37		
X0322927	Bike Lane Symbol (City of Chicago)	Each	21	21		
78000200	THERMOPLASTIC PVMT MARKING - LINE 4"	Foot	5,150		5150	
78000400	THERMOPLASTIC PVMT MARKING - LINE 6"	Foot	4,350		4350	
72000100	Sign Panel - Type 1	Sq Ft	500			500
72900100	Metal Post Type A	Foot	850			850
67100100	Mobilization	L Sum	1			
* Indicates	 Speciality Item				:	

REVISIONS
NAME DATE
DAT 6/4/07
DAT 7/14/07
DAT 8/21/07
DAT 8/21/07

SCALE, 1"-50' DRABN BY DAT
DATE 8-21-07

DATE 8-21-07

REVISIONS
ILLINOIS DEPARTMENT OF TRANSPORTATION
VILLAGE OF DOWNERS GROVE

SCALE, 1"-50' DRABN BY DATE
DATE 8-21-07

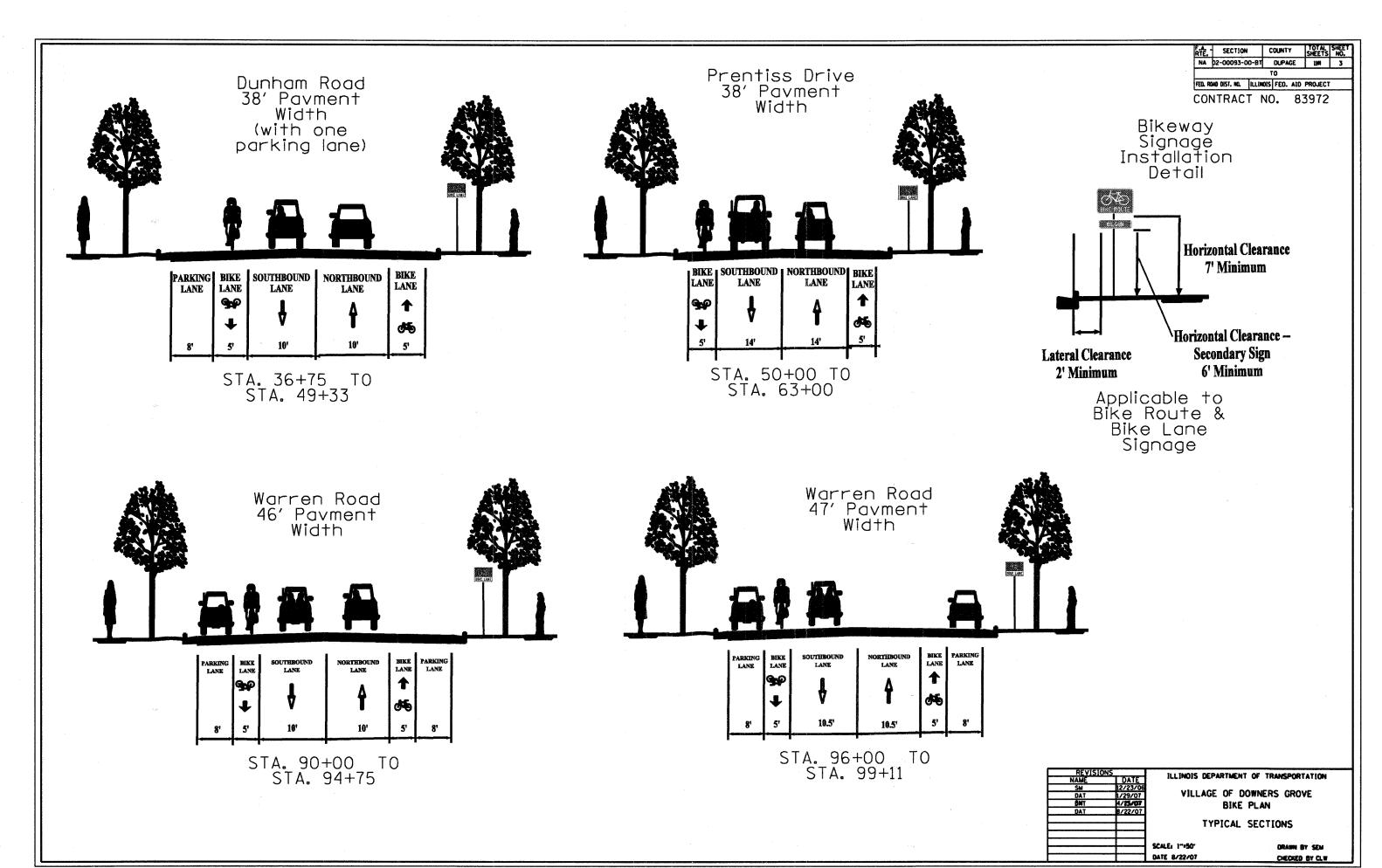
DATE 8-21-07

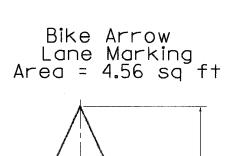
ILLINOIS DEPARTMENT OF TRANSPORTATION

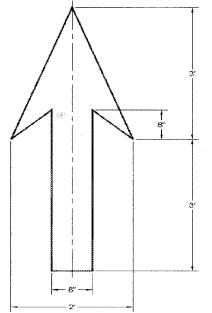
VILLAGE OF DOWNERS GROVE

OF COMMENT OF TRANSPORTATION

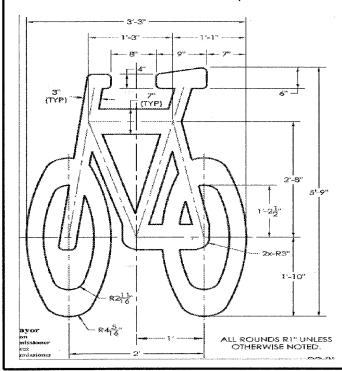
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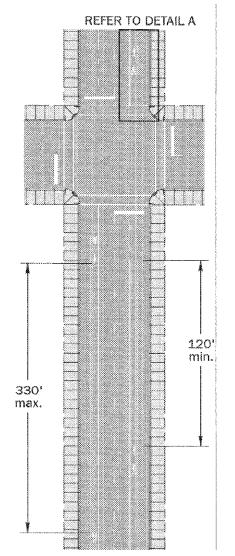


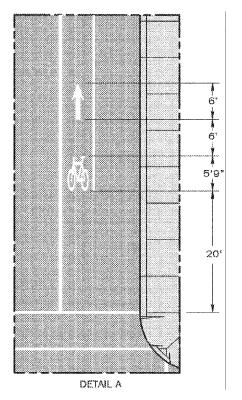


Bicycle Lane Marking Area = 8.36 sq ft

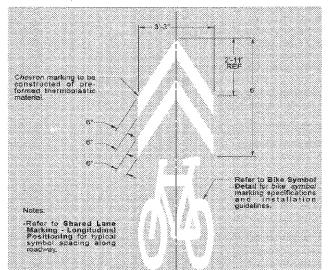


Bike Lane Symbol and Arrow Spacing

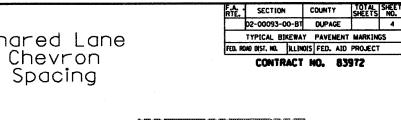


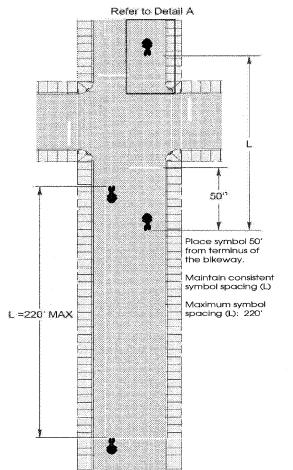


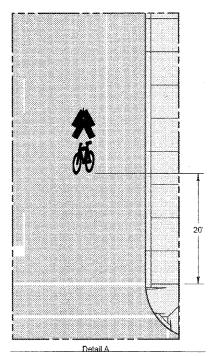
Chevron Lane Sharing Symbol Area = 6.68 sq ft



# Shared Lane Chevron Spacing







ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF DOWNERS GROVE PHASE I BIKE PLAN

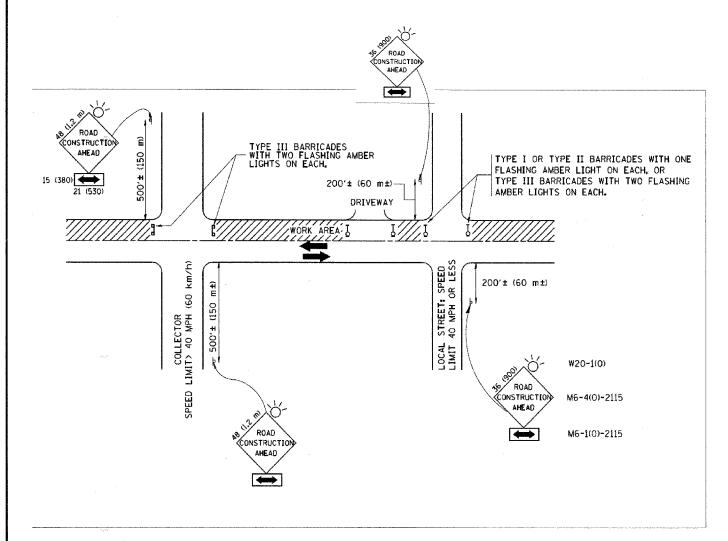
PAVEMENT MARKING DETAILS

SCALE: 1"=10"

CHECKED BY CLW

4\_Details.dgn 9/17/2007 11:33:09 AM

## TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTESECTIONS, AND DRIVEWAYS



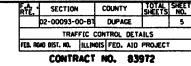
- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE
- BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- o) ONE BOAD 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
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (MG-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (MG-4).

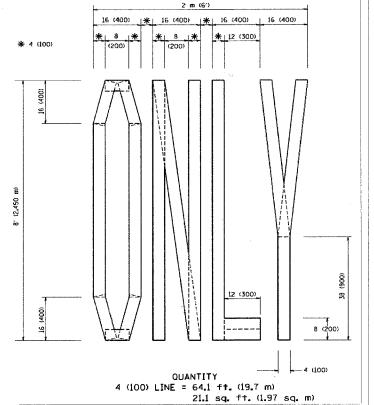
### B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

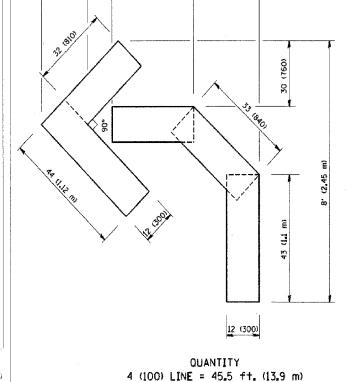
USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER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



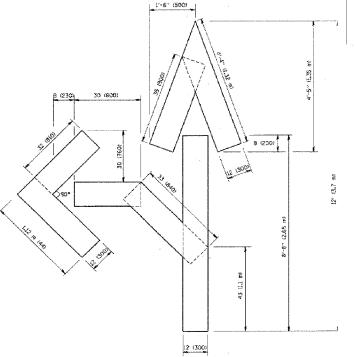




6'-8" (2,030 m)

30 (760)

9 (230)



QUANTITY

27.5 sq. ft. (2.53 sq. m)

4 (100) LINE = 82.5 ft. (25.3 m)

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

SCALE: NONE

ILLINOIS DEPARTMENT OF TRANSPORTATION VILLAGE OF DOWNERS GROVE BIKE PLAN

15.2 sq. ft. (1.39 sq. m)

TRAFFIC CONTROL DETAILS

DATE 10-23-07

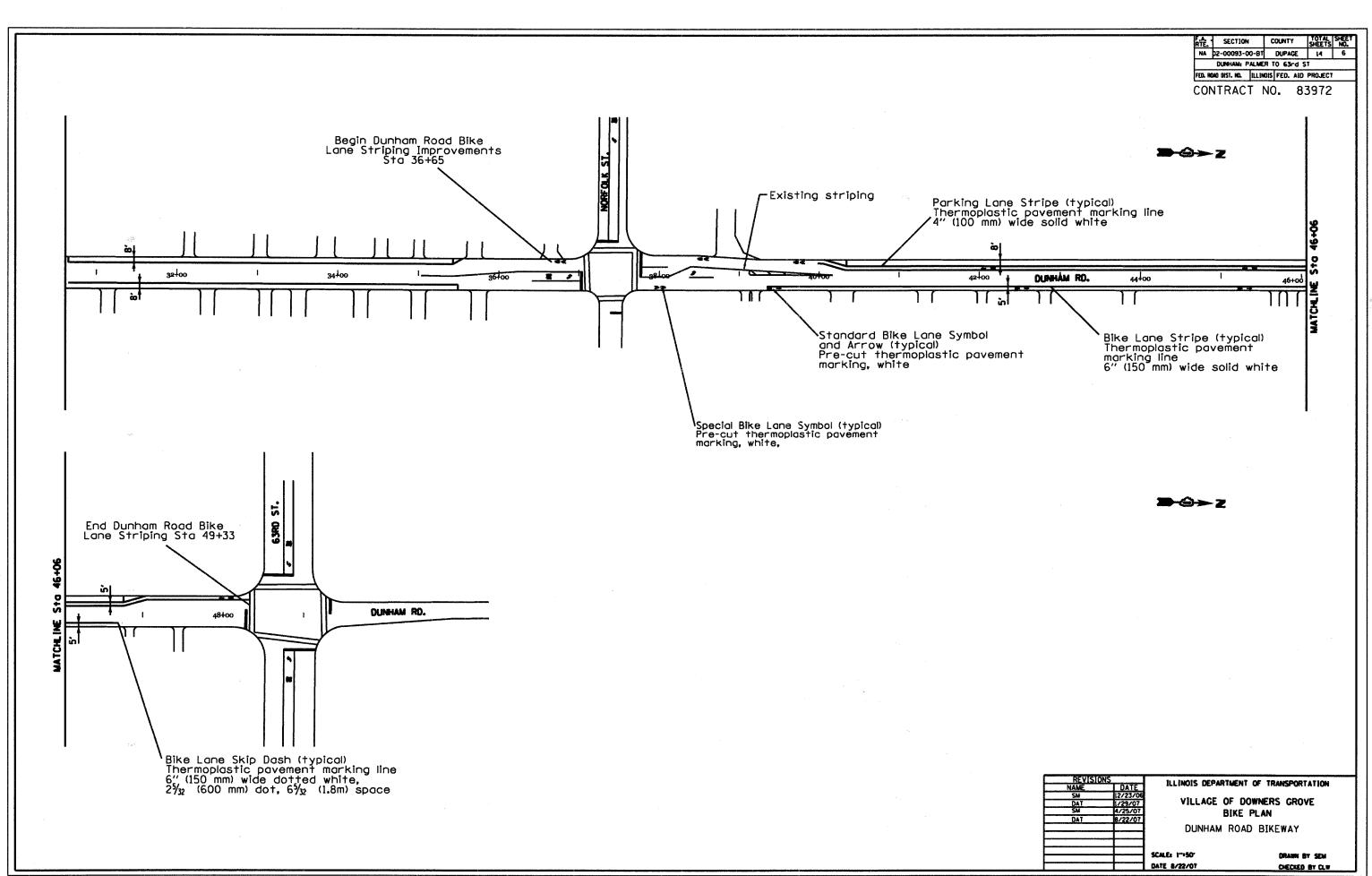
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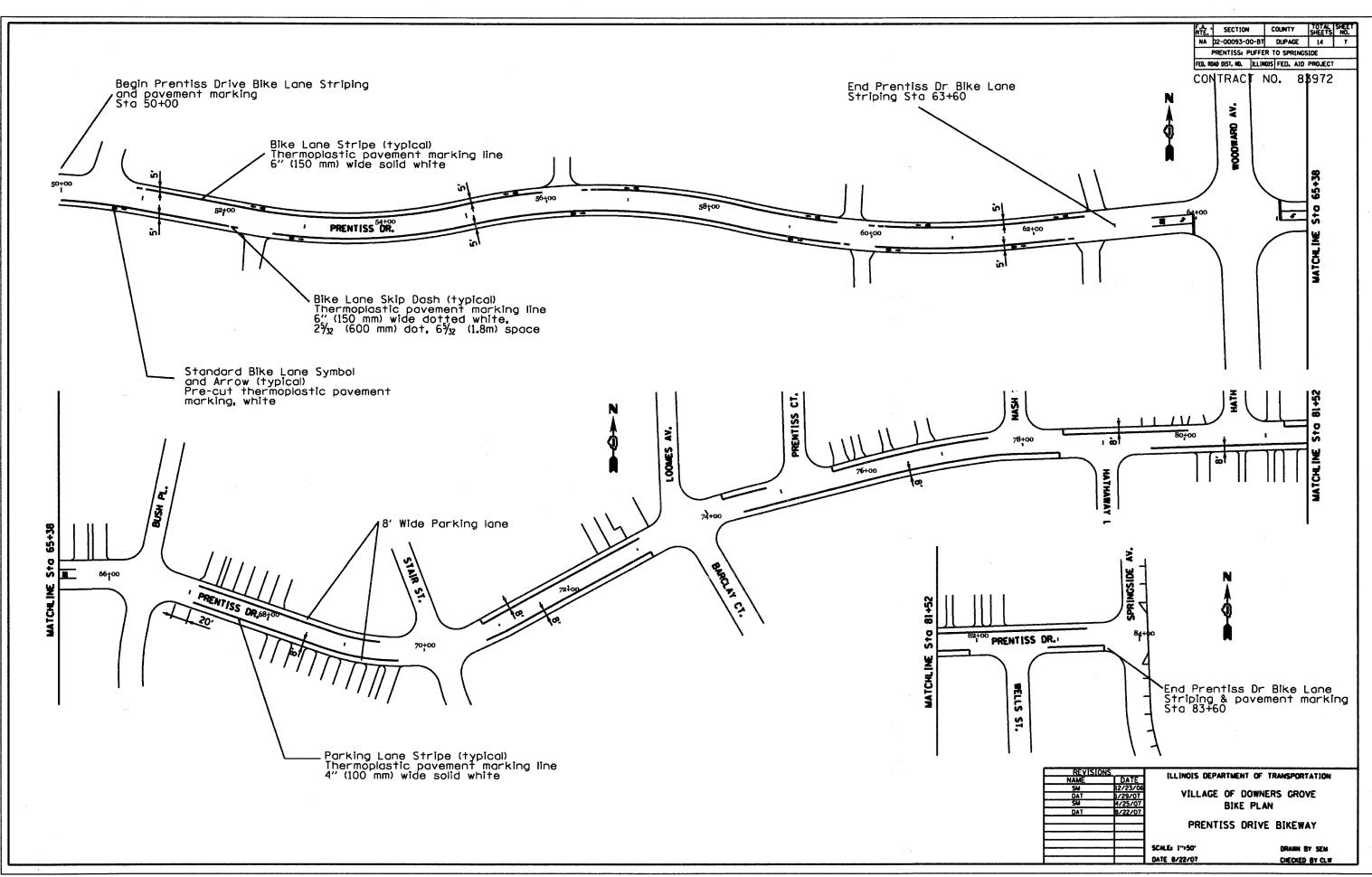
## NOTES:

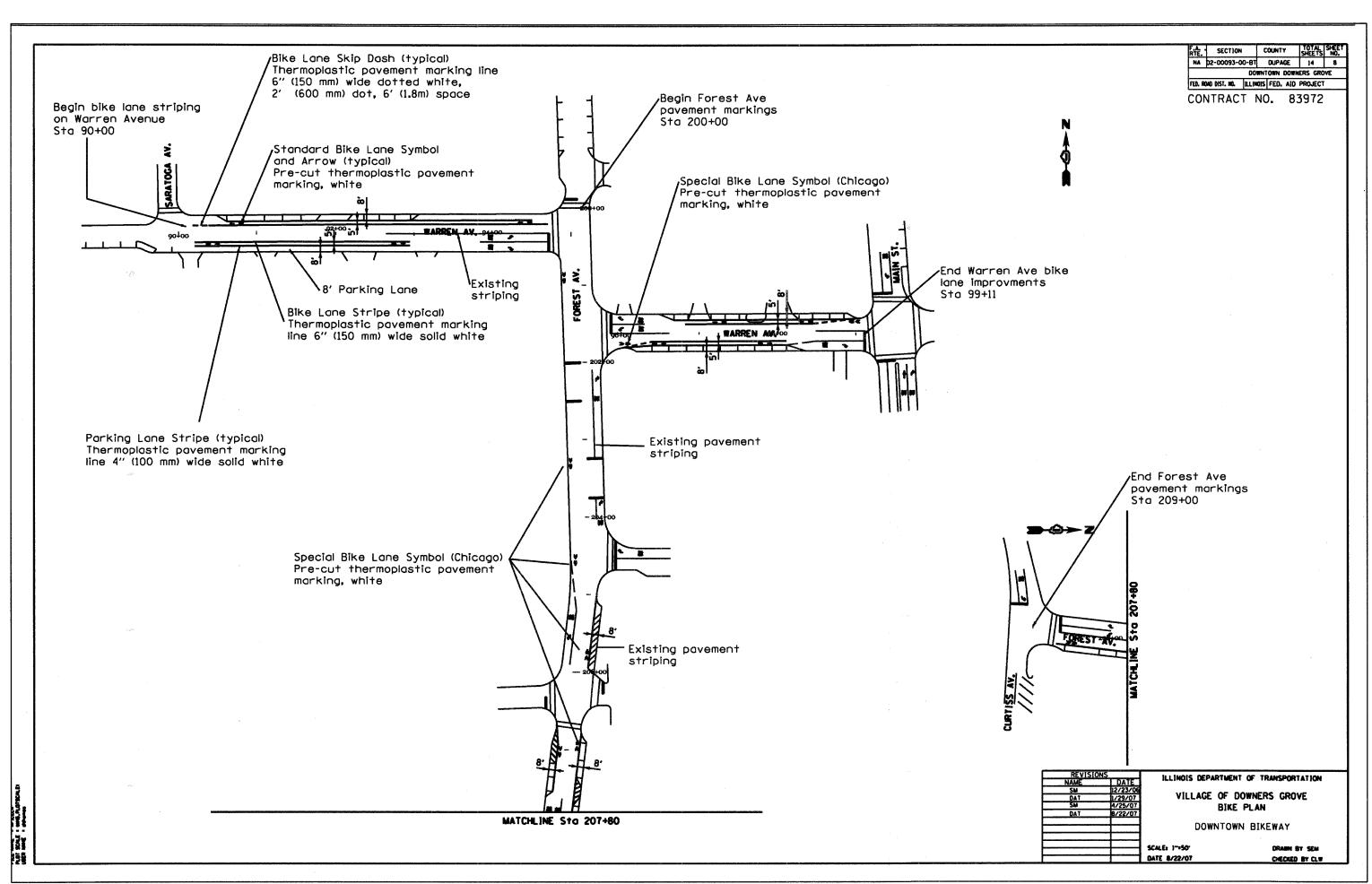
EVE

225

- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS
- G) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASH OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY THE CROSS SECTION OF THE CLOSED PORTION.
- OF THE MAIN ROUTE.
- OF THE CLOSED PORTION.







## **SIGNAGE DESIGN**





ENDS

SIGN R3-17

Size 24" x 30"

Reflective

Color: Black on White

SIGN R3-17A

Size 12" x 30" Color: Black on White

Reflective

SIGN R3-17B

Size 12" x 30"

Color: Black on White

Reflective







SIGN M7-1

SIGN M7-5

Size 12" x 9" Color: White on Green Reflective Green Reflective



SIGN M7-6

Size 12" x 9" Color: White on Green Reflective



SIGN D11-1

Reflective

Size 24" x 18" Color: White on Green

Type: 2" Highway Gothic Symbol: 18.25" x 10 1/2"

Place at apporximately 1/4 mile intervals and major intersections to confirm route (per AASHTO).



Size 12" x 4" Color: White on Green Reflective SIGN M7-12

Size 12" x 4" Color: White on Green Reflective Size 12" x 9" Color: White on

SECTION COUNTY TOTAL SHEET F.A. RTE **SHEETS** NO. N/A 02-0093-00-BT DUPAGE 14 9 FED, ROAD DIST NO. | ILLINOIS | FED. AID PROJECT

**Contract Number 83972** 

## **ESTIMATED SIGNAGE** QUANTITIES

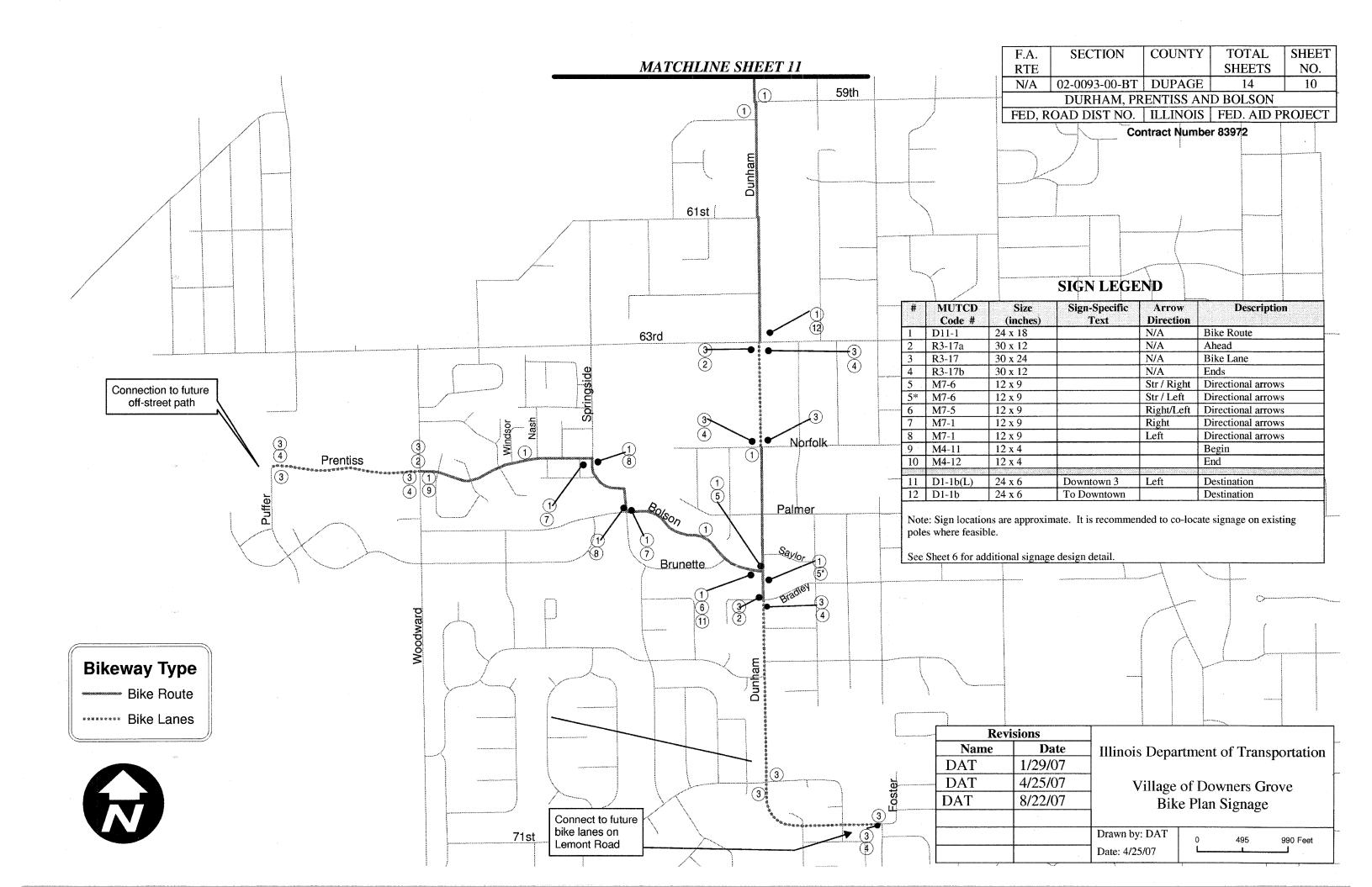
#	MUTCD Code #	Size (inches)	Sign-Specific Text	Description	Quantity
1	D11-1	24 x 18		Bike Route	107
2	R3-17a	30 x 12		Ahead	4
3	R3-17	30 x 24		Bike Lane	18
4	R3-17b	30 x 12		Ends	8
5	M7-6	12 x 9		Directional arrows	5
5*	M7-6	12 x 9		Directional arrows	4
6	M7-5	12 x 9		Directional arrows	8
7	M7-1	12 x 9		Directional arrows	17
8	M7-1	12 x 9		Directional arrows	14
9	M4-11	12 x 4		Begin	12
10	M4-12	12 x 4		End	9
11	D1-1b(L)	24 x 6	Downtown 3	Destination	1
12	D1-1b	24 x 6	To Downtown	Destination	10
13	D1-1b	24 x 6	To Belmont Ave	Destination	2
14	D1-1b	24 x 6	To Lyman Woods	Destination	3
.15	D1-1b	24 x 6	To Maple Grove Forest	Destination	1
16	D1-1b	24 x 6	To Doerhoeffer Park	Destination	2

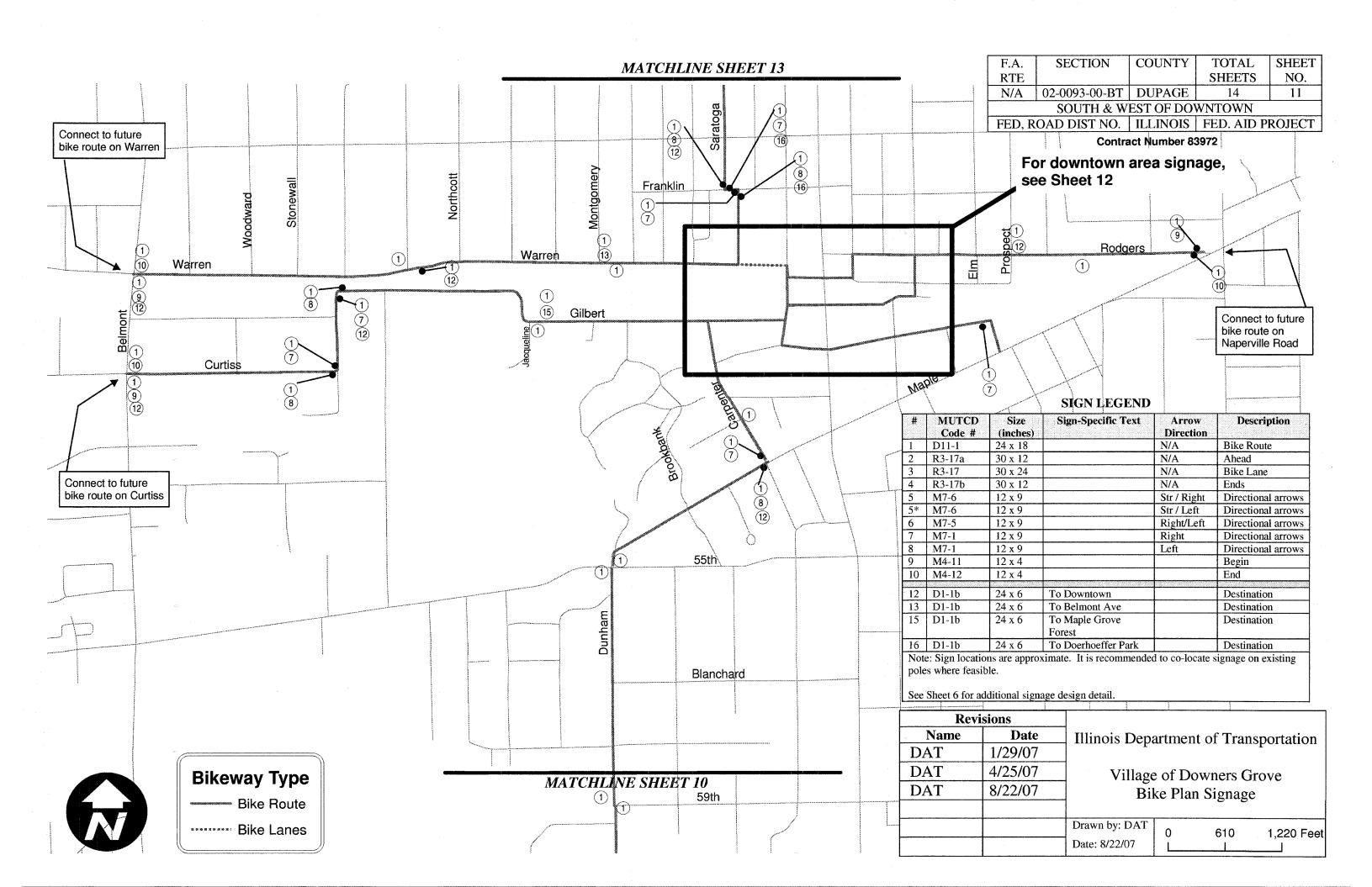
Revisions Name Date Illinois Department of Transportation 1/29/07 DAT 4/25/07 DAT Village of Downers Grove DAT 8/31/07 Bike Plan Signage Drawn by: DAT Date: 4/25/07

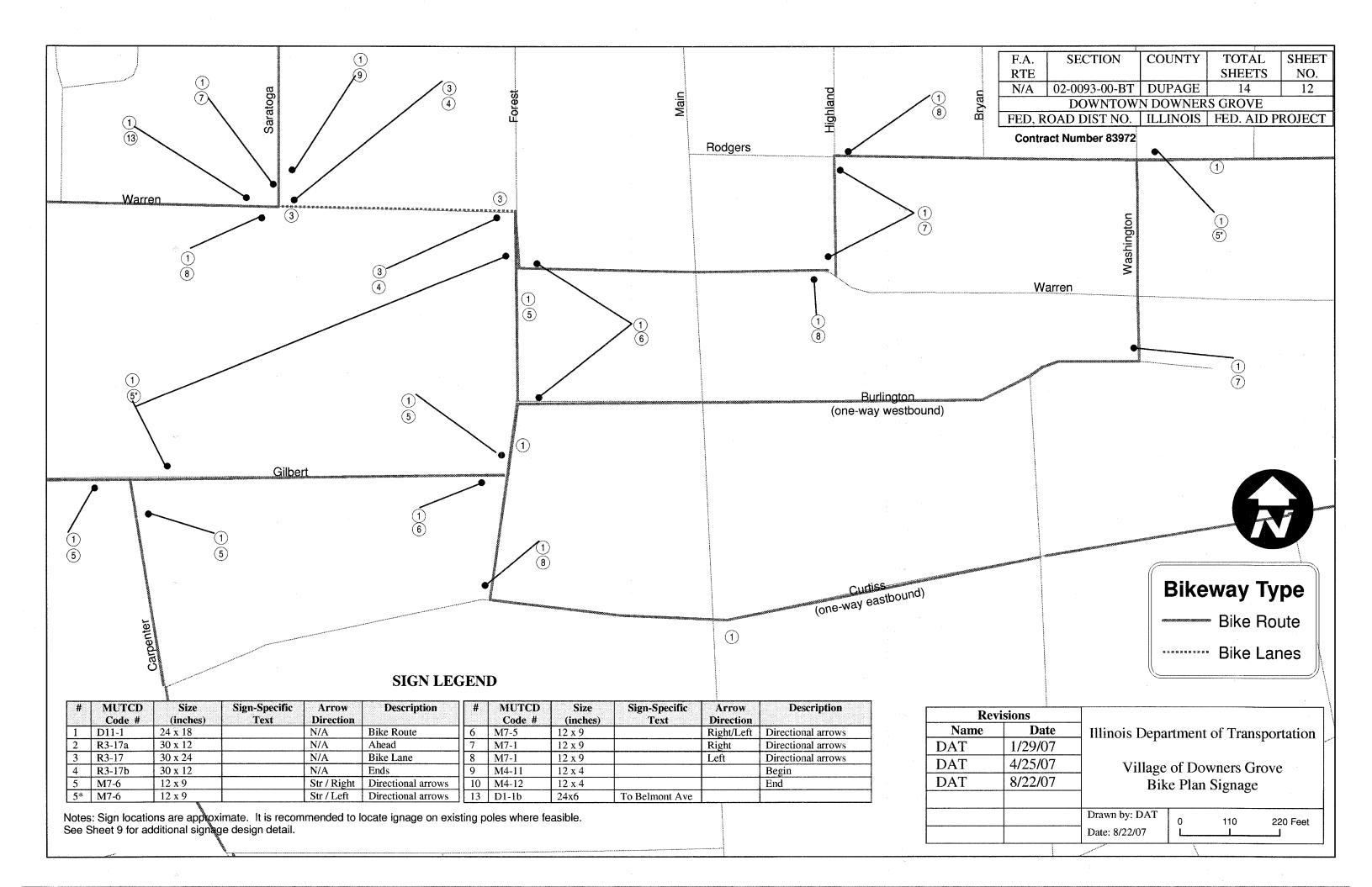
## SALEM 6 ->

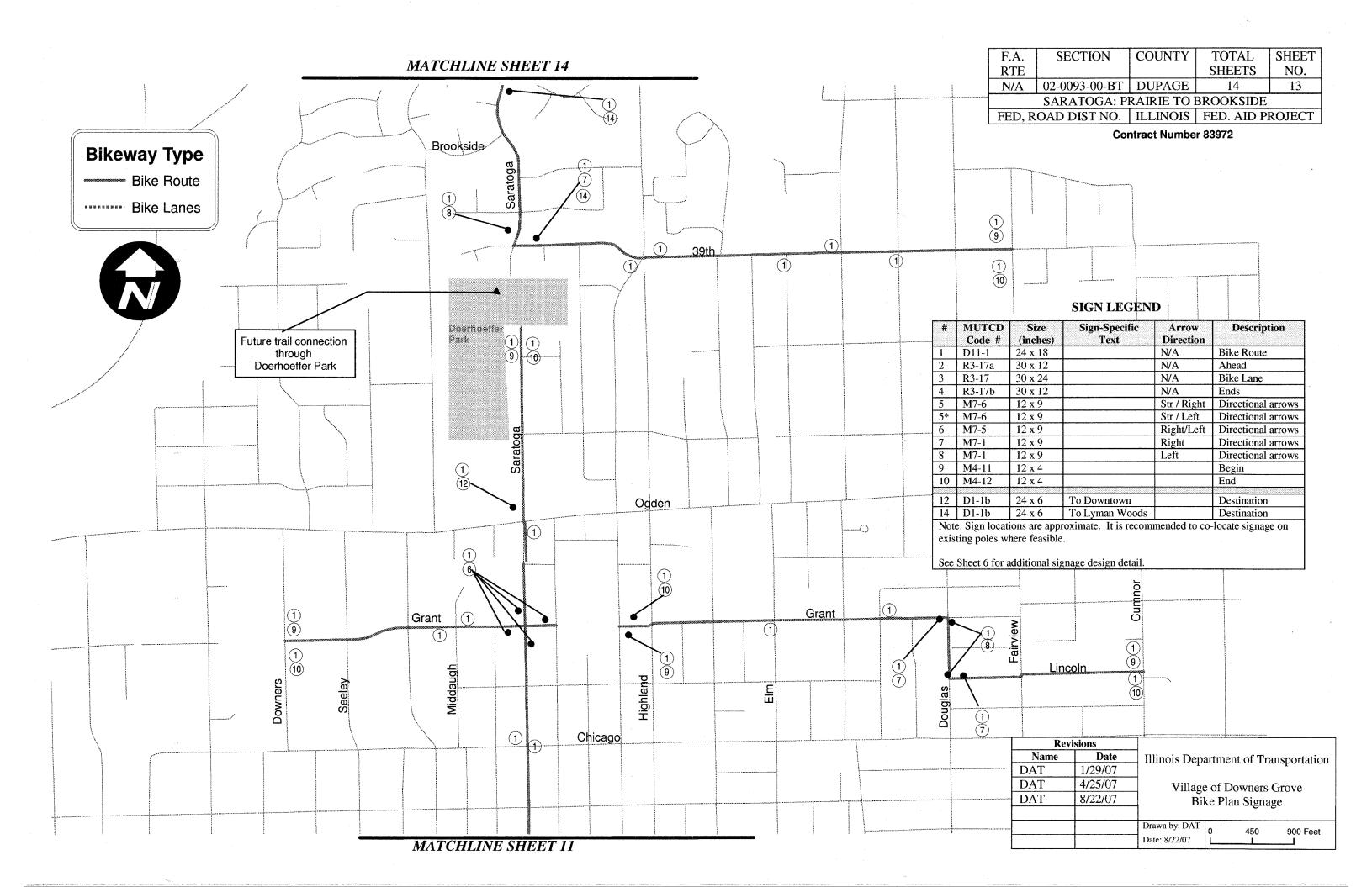
SIGN D1-1b

Size 24" x 6" Color: White on Green Reflective







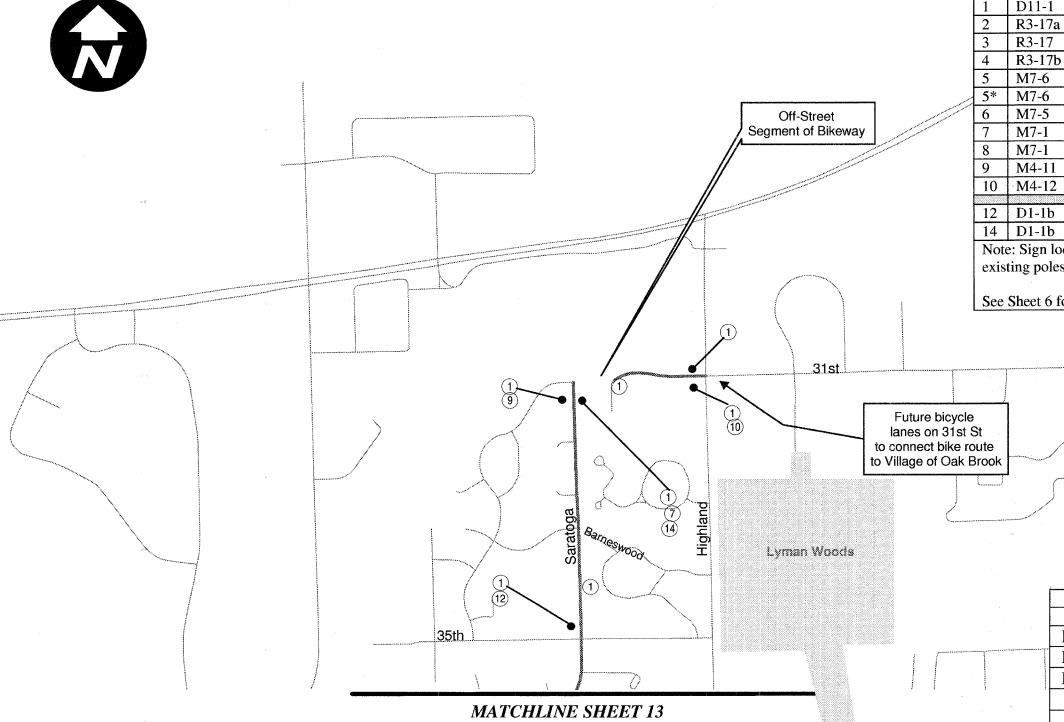


F.A.	SECTION	COUNTY	TOTAL	SHEET
RTE			SHEETS	NO.
N/A	02-0093-00-BT	DUPAGE	14	14
	SARATOGA	: BROOKSI	DE – 31st	
FED, R	OAD DIST NO.	ILLINOIS	FED. AID P	ROJECT

## **Contract Number 83972**

## SIGN LEGEND

#	MUTCD Code #	Size (inches)	Sign-Specific Text	Arrow Direction	Description
1	D11-1	24 x 18		N/A	Bike Route
2	R3-17a	30 x 12		N/A	Ahead
3	R3-17	30 x 24		N/A	Bike Lane
4	R3-17b	30 x 12		N/A	Ends
5	M7-6	12 x 9		Str / Right	Directional arroy
5*	M7-6	12 x 9		Str / Left	Directional arroy
6	M7-5	12 x 9		Right/Left	Directional arroy
7	M7-1	12 x 9		Right	Directional arroy
8	M7-1	12 x 9		Left	Directional arro
9	M4-11	12 x 4			Begin
10	-M4-12	12 x 4			End
	F1 11		m 7		D.
12	D1-1b	24 x 6	To Downtown		Destination
14	D1-1b	24 x 6	To Lyman Woods		Destination
	ting poles w	here feasible	roximate. It is recomi gnage design detail.	mended to co	-locate signage on



**Bikeway Type** 

Bike Lanes

Bike Route

Revisions Date Illinois Department of Transportation Name 1/29/07 DAT 4/25/07 DAT Village of Downers Grove Bike Plan Signage DAT 8/22/07

Drawn by: DAT 500 1,000 Feet Date: 8/22/07