

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322		FAYETTE	4	1

D7 SIGNAL MODERNIZATION 2007-2

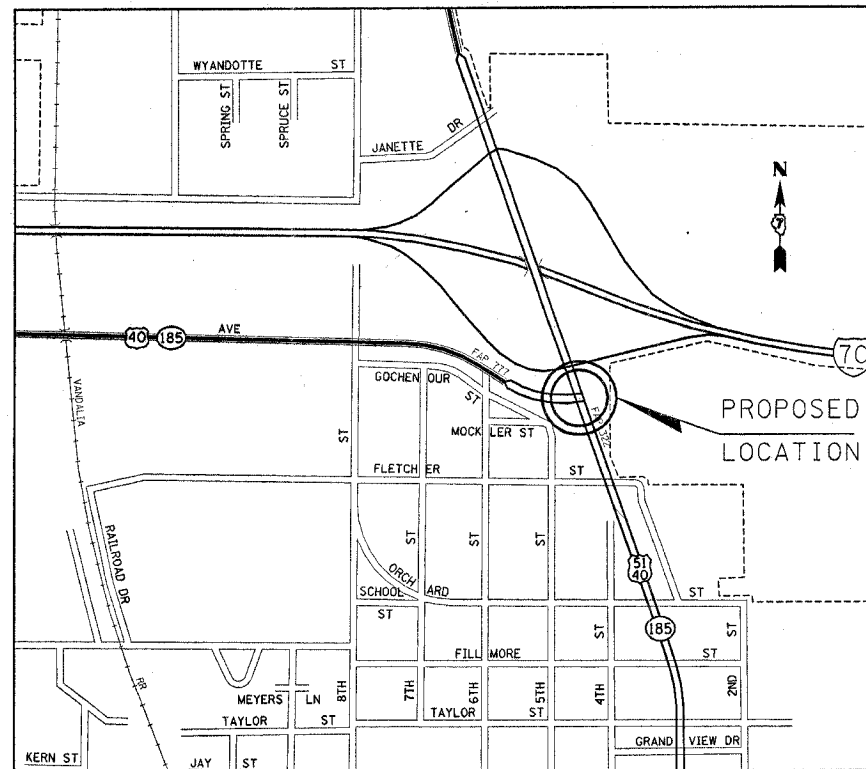
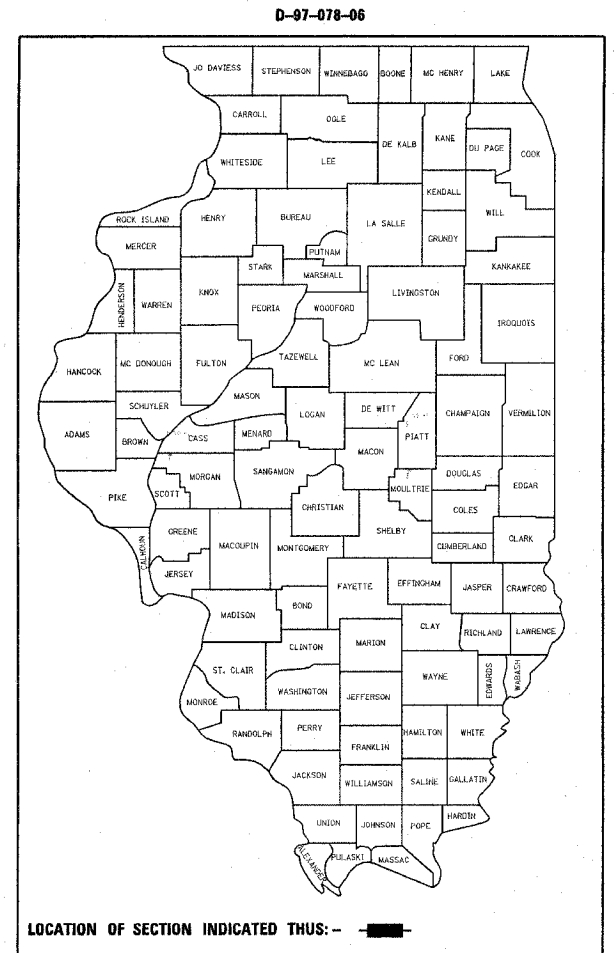
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

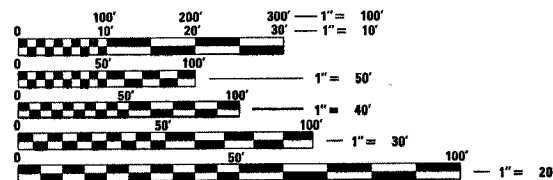
FAP ROUTE 322 (U.S. 51/U.S. 40)
SECTION D7 SIGNAL MODERNIZATION 2007-2
PROJECT: SBP-0322(080)
FAYETTE COUNTY

C-97-124-06

FOR INDEX OF SHEETS, SEE SHEET NO. 2



INTERSECTION OF US 51 (FAP 322) & US 40 (FAP 777)



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 August 7, 2006
Justin H. Reed
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 13, 2006
Mike Sine
ENGINEER OF DESIGN AND ENVIRONMENT

October 13, 2006
Milton R. Swope, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

CONTRACT NO. 74206

PROJECT ENGINEER: ROB MACKLIN
DESIGNER: LYNN MCLELLAN
TELEPHONE: 217-342-3951 EXT. 245

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	FAYETTE	+ 4	2
STA.		Tp STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2002; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED MARCH 1, 2005; AND "THE SPECIAL PROVISIONS" INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED AT THE INTERSECTION OF US 51 & US 40 IN THE CITY OF VANDALIA, IN FAYETTE COUNTY. THE WORK INCLUDED IN THIS SECTION CONSISTS OF INSTALLING TRAFFIC SIGNAL HEADS AND ALL OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.

ALL THREADS OF BOLTS USED IN ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.

ALL NEW TRAFFIC AND PEDESTRIAN SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES WILL NOT BE ALLOWED.

ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.

TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED SIGNAL HEAD PAY ITEMS.

THERE ARE 12 EXISTING LOAD SWITCHES AT THE INTERSECTION OF US 51 & US 40 AND I70 RAMPS THAT WILL NEED TO BE REMOVED AND REPLACED. THIS WILL BE INCLUDED WITH THE MODIFY CONTROLLER CABINET PAY ITEM.

ALL EXISTING EQUIPMENT THAT IS TO BE REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CITY OF VANDALIA. THE CONTRACTOR SHALL CONTACT THE CITY AND MAKE ARRANGEMENTS FOR THE DELIVERY OF THE EQUIPMENT.

CITY OF VANDALIA CONTACT:
 RON NIEBERT
 CITY ADMINISTRATOR
 219 S. FIFTH
 VANDALIA, IL 62471
 PHONE: (618) 283-1152

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS AND GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 SIGNAL HEAD LAYOUT

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 4:

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 701101-01 OFF-RD OPERATIONS, MULTILANE, 15' TO 2' FROM EDGE OF PAVEMENT
- 701601-04 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W W/NONTRAVERABLE MEDIAN
- 701701-04 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 702001-06 TRAFFIC CONTROL DEVICES
- 720001 SIGN PANEL MOUNTING DETAILS
- 720006 SIGN PANEL ERECTION DETAILS
- 857001 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 873001 TRAFFIC SIGNAL GROUNDING
- 880006 TRAFFIC SIGNAL MOUNTING DETAILS

PLOT DATE = 7/28/2006
 FILE NAME = #FILE#
 PLOT NAME = #PLOT#
 USER NAME = #USER#

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**INDEX OF SHEETS
&
GENERAL NOTES**

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322		FAYETTE	4	3
STA.		TO STA.		

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 • 07 SIGNAL MODERNIZATION 2007-2

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 90% FED. 10% STATE		
				YO31-1F		
67100100	MOBILIZATION	L SUM	1.0	1.0		
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1.0	1.0		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1.0	1.0		
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	3.0	3.0		
87502700	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	5.0	5.0		
88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	17.0	17.0		
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1.0	1.0		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0	1.0		
X8801300	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6.0	6.0		
X8801310	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6.0	6.0		
X8801395	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3.0	3.0		
X8801437	SIGNAL HEAD ,POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1.0	1.0		

PLOT DATE = 8/9/2006
 PLOT SCALE = 1"=40'
 USER NAME = district

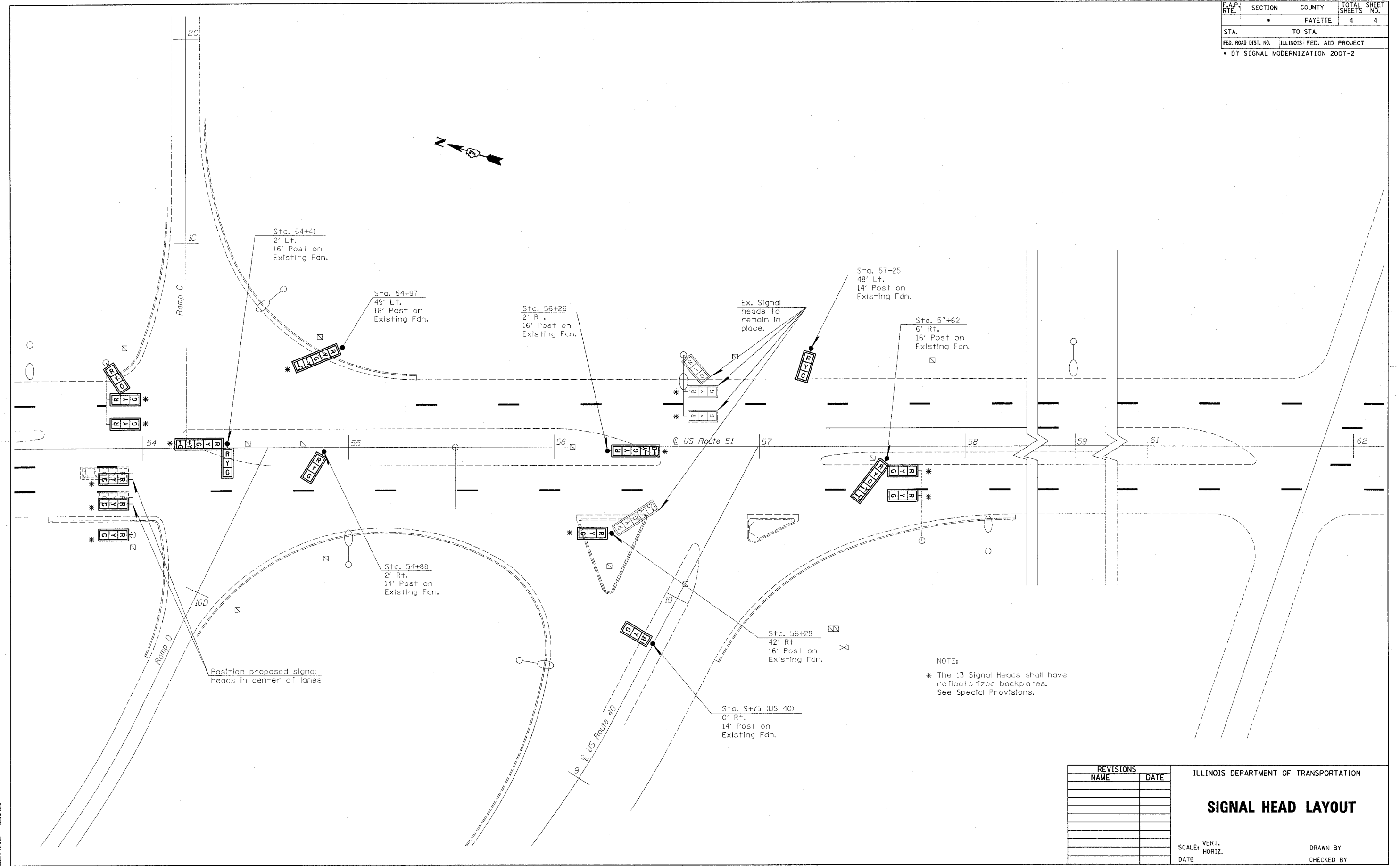
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT. DATE
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		FAYETTE	4	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
• D7 SIGNAL MODERNIZATION 2007-2				



PLOT DATE = 8/7/2006
 PLOT SCALE = AS SHOWN
 PLOT SCALE = AS SHOWN
 USER NAME = district

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNAL HEAD LAYOUT

SCALE: VERT.
HORIZ.
DATE

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