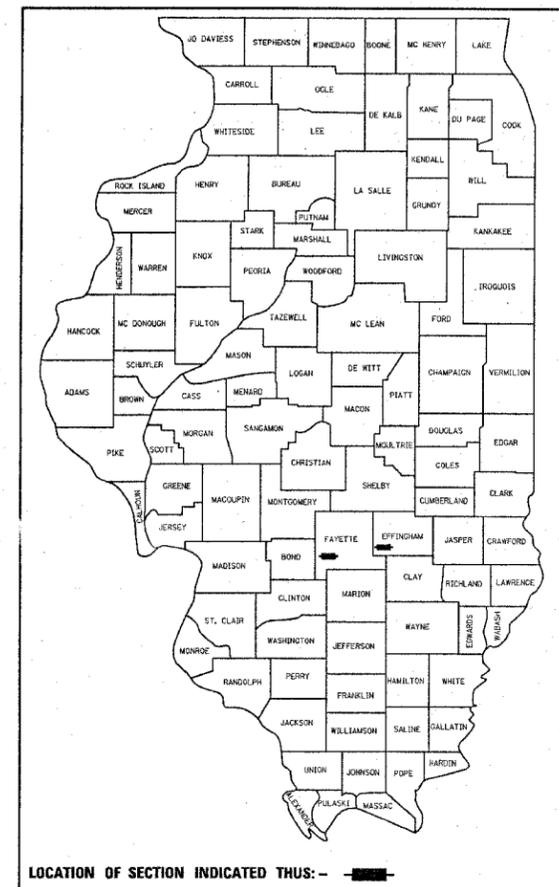


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	5	1

- \* FAU ROUTE 8413 & FAP ROUTE 2796
- \*\* D7 FLASHING BEACON 2006-1
- \*\*\* FAYETTE & EFFINGHAM

D-97-017-05



LOCATION OF SECTION INDICATED THUS: — ■ —

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

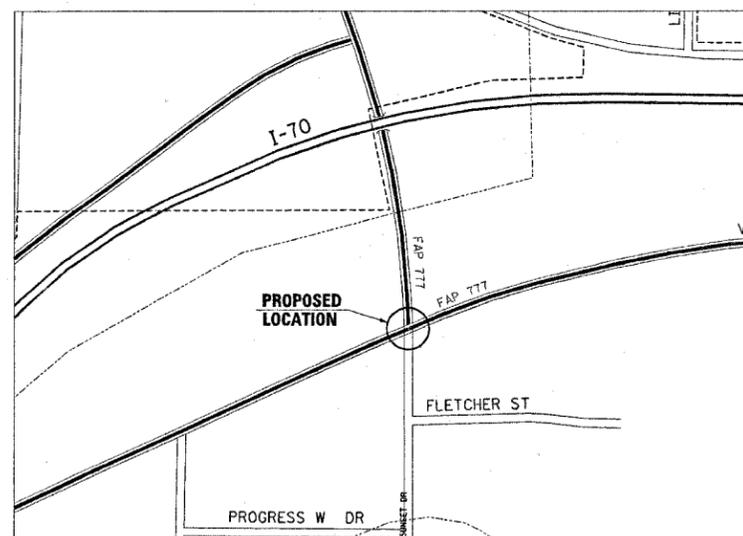
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

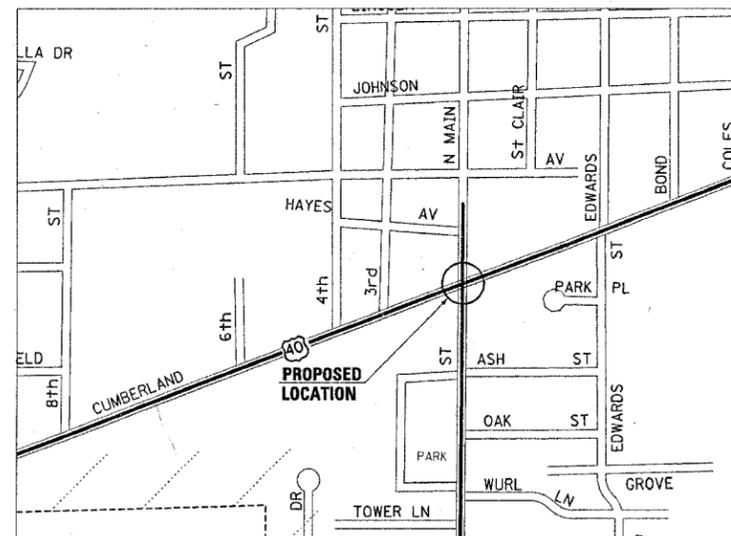
FAU ROUTE 8413 & FAS ROUTE 2796 (US 40 & US 40)  
SECTION D7 FLASHING BEACON 2006-1  
FAYETTE & EFFINGHAM COUNTIES  
PROJECT HS-000S(479)

C-97-048-05

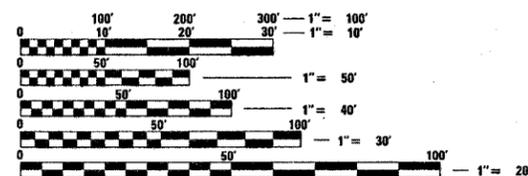
FOR INDEX OF SHEETS, SEE SHEET NO. 2



CITY OF VANDALIA



CITY OF ALTAMONT



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

CONTRACT NO. 74089

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED FEB. 10, 2006  
*John W. Reed*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 24, 2006  
*Mike Hene*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 24, 2006  
*Milton R. See, P.E.*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	5	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

- \* FAU ROUTE 8413 & FAP ROUTE 2796
- \*\* D7 FLASHING BEACON 2006-1
- \*\*\* FAYETTE & EFFINGHAM

**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 HAS TWO (2) SEPARATE LOCATIONS. LOCATION 1 IS LOCATED AT THE INTERSECTION OF FAU 8413 (US 40) AND IL 185 IN THE CITY OF VANDALIA, FAYETTE COUNTY. LOCATION 2 IS LOCATED AT THE INTERSECTION OF FAS 2796 (US 40) AND IL 128 IN THE CITY OF ALTAMONT, EFFINGHAM COUNTY. THE WORK INCLUDED IN THIS SECTION CONSISTS OF INSTALLING OVERHEAD FLASHING BEACONS AND ALL OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CALL J.U.L.I.E. AT 1-800-892-0123.

THE TRAFFIC OPERATIONS UNIT CHIEF AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE NOTIFIED AT 217-342-8284 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNIT.

THE LOCATION OF ALL FLASHING BEACON COMPONENTS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE FINAL LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE SIZE OF THE CABLE SUPPLIED SHALL BE EQUAL TO OR GREATER THAN THE SIZE OF THE CABLE REQUIRED TO CARRY THE LOAD BETWEEN THE CONTROLLER AND THE SERVICE INSTALLATION.

THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN CAN SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET.

A 2 FOOT MINIMUM, 6 FOOT DESIRABLE, HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM THE BACK OF CURB TO THE EDGE OF HANDHOLES, JUNCTION BOXES AND SIGNAL POST FOUNDATIONS.

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.

THE NUMBER OF CONDUCTORS FOR ELECTRIC CABLES AS SHOWN ON THE PLANS SHALL BE THE MINIMUM NUMBER OF CONDUCTORS FURNISHED FOR EACH LOCATION. THE CONTRACTOR MAY SUBSTITUTE AN ELECTRIC CABLE WITH MORE CONDUCTORS THAN SPECIFIED BUT NO ADDITIONAL COMPENSATION WILL BE MADE FOR THE EXTRA CONDUCTORS.

ALL NEW FLASHER SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO FLASHER SIGNAL. SPLICES WILL NOT BE ALLOWED.

VANDALIA POWER CONTACT:  
AMEREN-IP  
BRIAN NICHOLSON  
FIELD ENGINEERING REPRESENTATIVE  
1915 OLD BUS LINE ROAD  
MC S-15  
HILLSBORO, IL 62049  
OFFICE: 217-532-8273  
CELL: 217-556-2464

CITY OF ALTAMONT CONTACT:  
ERIC MOUNTS  
ELECTRIC SUPERINTENDENT  
202 N. 2ND. STREET  
ALTAMONT, IL 62411  
OFFICE: 618-483-5212  
CELL: 618-322-5212

CITY OF VANDALIA CONTACT:  
RONALD NIEBERT  
CITY ADMINISTRATOR  
CITY OF VANDALIA  
219 SOUTH 5TH.  
VANDALIA, IL 62471  
618-283-1152

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 INDEX OF SHEETS AND GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 FLASHING BEACON LAYOUT-CITY OF VANDALIA
- 5 FLASHING BEACON LAYOUT-CITY OF ALTAMONT

**STANDARDS IN THE PLANS**

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 5:

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 701006-02 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701501-03 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701701-04 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 702001-06 TRAFFIC CONTROL DEVICES
- 805001 ELECTRICAL SERVICE INSTALLATION DETAILS
- 880001 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION

PLOT DATE = 2/19/08  
FILE NAME = 411111  
PLOT SCALE = AS SHOWN  
USER NAME = distrot

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
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		<b>GENERAL NOTES</b> <b>INDEX OF SHEETS</b> <b>STANDARDS IN THE PLANS</b>
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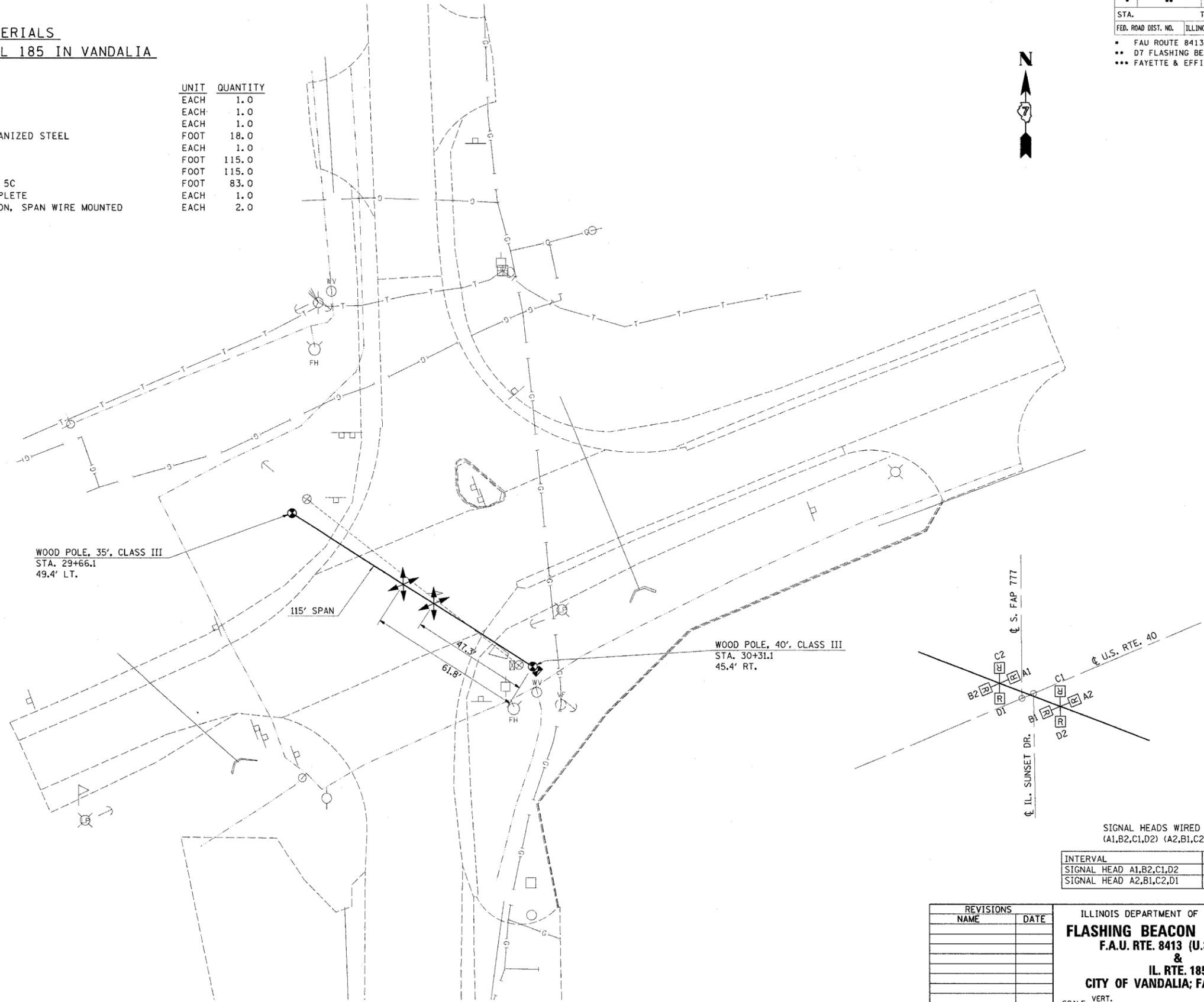
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	5	4

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

- FAU ROUTE 8413 & FAP ROUTE 2796
- D7 FLASHING BEACON 2006-1
- FAYETTE & EFFINGHAM

**BILL OF MATERIALS**  
**FAU 8413 (US 40) & IL 185 IN VANDALIA**

ITEM	UNIT	QUANTITY
SERVICE INSTALLTION, TYPE A	EACH	1.0
TRAFFIC SIGNAL WOOD POLE, 35 FT., CLASS 3	EACH	1.0
TRAFFIC SIGNAL WOOD POLE, 40 FT., CLASS 3	EACH	1.0
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	18.0
FLASHER CONTROLLER	EACH	1.0
SPAN WIRE	FOOT	115.0
TETHER WIRE	FOOT	115.0
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	83.0
REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 4-FACE, 1-SECTION, SPAN WIRE MOUNTED	EACH	2.0



- LEGEND**
- ⊗ EXISTING WOOD POLE
  - ⊗ EXISTING LIGHT POLE
  - ⊗ EXISTING CONTROLLER & CABINET
  - ⊗ EXISTING SIGNAL HEAD
  - ⊗ PROPOSED FLASHER CONTROLLER
  - ⊗ PROPOSED SIGNAL HEAD
  - ⊗ PROPOSED WOOD POLE

SIGNAL HEADS WIRED PARALLEL  
(A1,B2,C1,D2) (A2,B1,C2,D1)

INTERVAL	1	2
SIGNAL HEAD A1,B2,C1,D2	R	DARK
SIGNAL HEAD A2,B1,C2,D1	DARK	R

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**FLASHING BEACON MODERIZATION**  
**F.A.U. RTE. 8413 (U.S. RTE. 40)**  
 &  
**IL. RTE. 185**  
**CITY OF VANDALIA; FAYETTE COUNTY**

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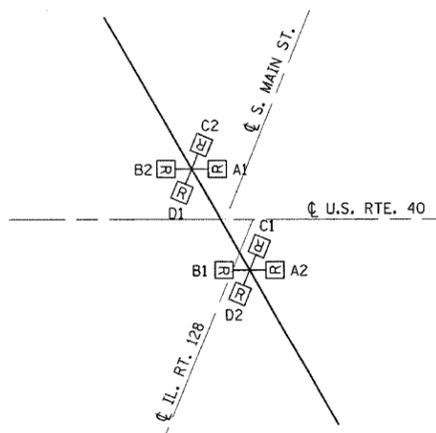
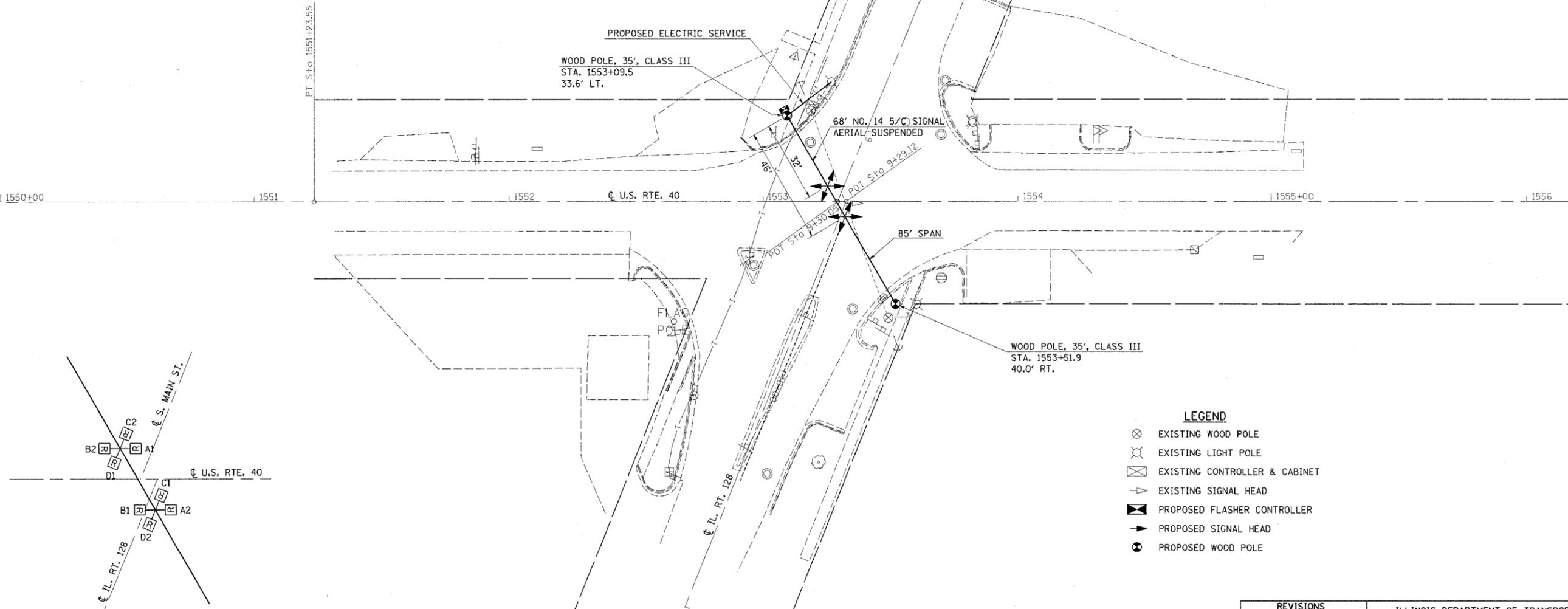
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	...	5	5

STA.	TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 • FAU ROUTE 8413 & FAP ROUTE 2796  
 •• D7 FLASHING BEACON 2006-1  
 ••• FAYETTE & EFFINGHAM

**BILL OF MATERIALS**  
**FAS 2796 (US 40) & IL 128 IN ALTAMONT**

ITEM	UNIT	QUANTITY
SERVICE INSTALLTION, TYPE B	EACH	1.0
TRAFFIC SIGNAL WOOD POLE, 35 FT., CLASS 3	EACH	2.0
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	17.0
FLASHER CONTROLLER	EACH	1.0
SPAN WIRE	FOOT	85.0
TETHER WIRE	FOOT	85.0
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	66.0
REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 4-FACE, 1-SECTION, SPAN WIRE MOUNTED	EACH	2.0



- LEGEND**
- ⊗ EXISTING WOOD POLE
  - ⊗ EXISTING LIGHT POLE
  - ⊗ EXISTING CONTROLLER & CABINET
  - ⊗ EXISTING SIGNAL HEAD
  - ⊗ PROPOSED FLASHER CONTROLLER
  - ⊗ PROPOSED SIGNAL HEAD
  - ⊗ PROPOSED WOOD POLE

SIGNAL HEADS WIRED PARALLEL  
 (A1,B2,C1,D2) (A2,B1,C2,D1)

INTERVAL	1	2
SIGNAL HEAD A1,B2,C1,D2	R	DARK
SIGNAL HEAD A2,B1,C2,D1	DARK	R

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**FLASHING BEACON MODERNIZATION**  
**F.A.S. RTE. 2796 (U.S. RTE. 40)**  
 &  
**IL. RTE. 128**  
**CITY OF ALTAMONT; EFFINGHAM COUNTY**

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