

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MARION	17	1

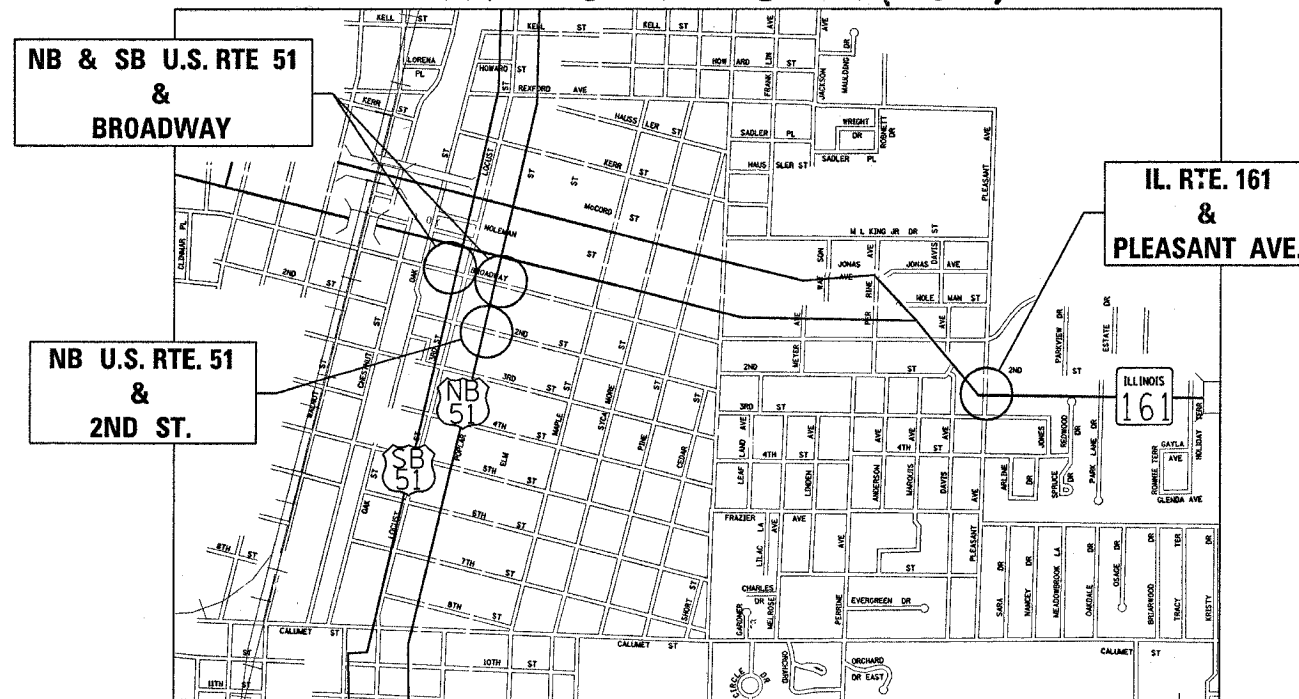
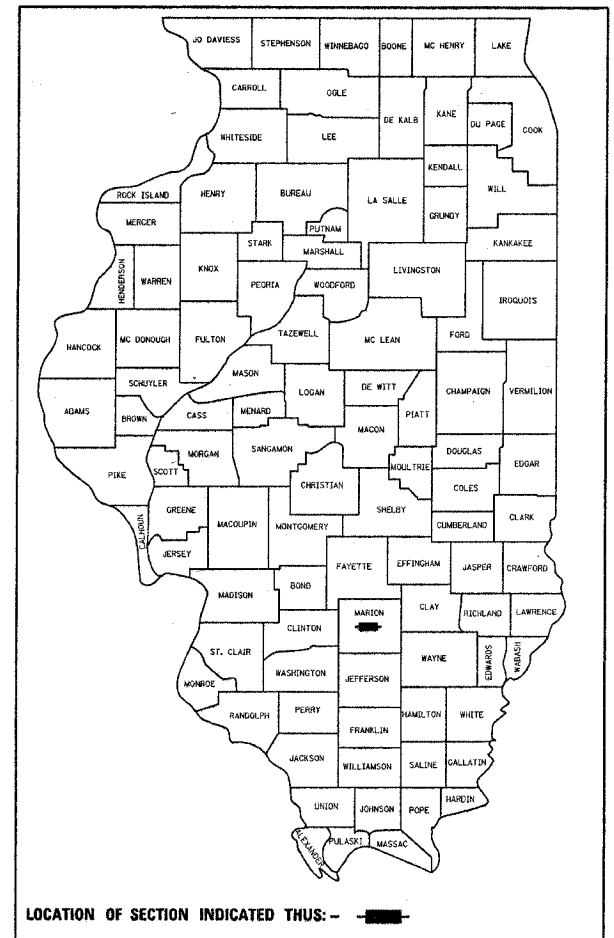
- VARIOUS ROUTES
- D7 SIGNAL MODERNIZATION 2006-2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**
F.A.P. ROUTE 322 / F.A.P. ROUTE 805
SB U.S. ROUTE 51 (POPLAR ST.) & BROADWAY
NB U.S. ROUTE 51 (ELM ST.) & BROADWAY
NB U.S. ROUTE 51 (ELM ST.) & 2ND ST.
&
IL. ROUTE 161 (2ND ST.) & PLEASANT AVE.
SECTION D7 SIGNAL MODERNIZATION 2006-2
MARION COUNTY

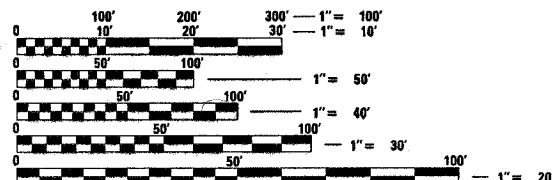
C-97-047-05
PROJECT: HS-0005(486)

FOR INDEX OF SHEETS, SEE SHEET NO. 2



CITY OF CENTRALIA

SB U.S. RTE. 51 (POPLAR ST.) & BROADWAY
NB U.S. RTE. 51 (ELM ST.) & BROADWAY
NB U.S. RTE. 51 (ELM ST.) & 2ND ST.
IL. RTE. 161 (2ND ST.) & PLEASANT AVE.



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. 74088



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 3-30 2006
Christian M. Reed
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 12, 2006
Mike Hise
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2006
Milton L. Sew
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MARION	17	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- * VARIOUS ROUTES
- ** 07 SIGNAL MODERIZATION 2006-2

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 FOUR DIFFERENT LOCATION: THE INTERSECTION OF SB US 51 (POPLAR STREET) & BROADWAY STREET; THE INTERSECTION OF NB US 51 (ELM STREET) & BROADWAY STREET; THE INTERSECTION OF NB US 51 (ELM STREET) & 2ND STREET AND THE INTERSECTION OF IL 161 (2ND STREET) & PLEASANT AVENUE, ALL IN THE CITY OF CENTRALIA, IN MARION COUNTY. THE WORK INCLUDED IN THIS SECTION CONSISTS OF INSTALLING TRAFFIC AND PEDESTRIAN SIGNALS AND ALL OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

THE EXISTING UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. 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 (DAVID WALKER) AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE NOTIFIED AT 618-346-3274 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNIT.

ALL HANDICAP RAMPS SHALL BE IN STRICT ACCORDANCE WITH THE STANDARDS SHOWN IN THE PLANS. AVERAGING OF DIMENSIONS TO MEET THE STANDARDS WILL NOT BE ALLOWED. FINAL PLACEMENT OF RAMPS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE LOCATION OF ALL TRAFFIC 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.

THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNALS ARE TURNED ON. THE REPRESENTATIVE SHALL MAKE CERTAIN THAT ALL EQUIPMENT OPERATES TO THE SATISFACTION OF THE ENGINEER.

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. A 5 FOOT MINIMUM HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM THE BACK OF THE CURB TO ALL MAST ARM FOUNDATIONS. CONTROLLER FOUNDATIONS SHALL BE LOCATED AS FAR FROM THE BACK OF THE CURB AS POSSIBLE TO PROTECT THE CONTROLLER CABINET.

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.

GENERAL NOTES (Cont' d)

NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FOOT MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.

THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE TRENCH AND BACKFILL FOR ELECTRICAL WORK PAY ITEM.

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 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.

ALL TRAFFIC SIGNAL MAST ARM ASSEMBLIES (STANDARD, COMBINATION, OR DUAL) MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.

THE TRAFFIC SIGNAL INSTALLATIONS AT THE INTERSECTIONS OF SB US 51 (POPLAR ST) & BROADWAY; THE INTERSECTION OF NB US 51 (ELM ST) & BROADWAY AND NB US 51 (ELM ST) & 2ND ST SHALL BE CONSTRUCTED AROUND THE EXISTING SIGNALS. THE EXISTING SIGNALS WILL REMAIN IN OPERATION UNTIL THE NEW SIGNALS HAVE BEEN INSTALLED. ONCE THE PROPOSED SIGNALS ARE FUNCTIONING PROPERLY, THE EXISTING SYSTEM CAN BE REMOVED.

THE CONTRACTOR SHALL SAVE HARMLESS THE EXISTING ONE-WAY SIGNS ON THE TRAFFIC SIGNAL POSTS AND MAST ARM POLES AT THE INTERSECTIONS OF US 51 AND BROADWAY OR 2ND STREET. THE SAID SIGNS SHALL BE REMOVED AND REPLACED ON THE PROPOSED SIGNAL POST OR MAST ARM POLES.

THERE ARE 10 LOAD SWITCHES AT THE INTERSECTION OF IL 161 & PLEASANT AVENUE THAT WILL NEED TO BE REMOVED AND REPLACED. THIS WILL BE INCLUDED WITH THE MODIFY CONTROLLER CABINET PAY ITEM.

THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE SECTION OF 895 OF THE STANDARD SPECIFICATIONS. ALL EXISTING EQUIPMENT THAT IS TO BE REPLACED UNDER THIS CONTRACT WILL BECOME THE PROPERTY OF THE CITY OF CENTRALIA. THE CONTRACTOR SHALL SAVE HARMLESS AND DELIVER THE EQUIPMENT TO:

CITY OF CENTRALIA CONTACT:
BRIAN COPPLE
DEPARTMENT OF PUBLIC WORKS
222 N. POPLAR
CENTRALIA, IL 62801

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS AND GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5	SB US 51 & BROADWAY-SIGNAL LAYOUT
6	SB US 51 & BROADWAY-CABLE LAYOUT
7	SB US 51 & BROADWAY-REMOVAL & REPLACEMENT ITEMS
8	SB US 51 & BROADWAY-BILL OF MATERIALS
9	NB US 51 & BROADWAY-SIGNAL LAYOUT
10	NB US 51 & BROADWAY-CABLE LAYOUT
11	NB US 51 & BROADWAY-REMOVAL & REPLACEMENT ITEMS
12	NB US 51 & BROADWAY-BILL OF MATERIALS
13	NB US 51 & 2ND ST-SIGNAL LAYOUT
14	NB US 51 & 2ND ST-CABLE LAYOUT
15	NB US 51 & 2ND ST-REMOVAL & REPLACEMENT ITEMS
16	NB US 51 & 2ND ST-BILL OF MATERIALS
17	IL 161 & PLEASANT AVE-SIGNAL LAYOUT

STANDARDS IN THE PLANS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 17:

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-04	CURB RAMPS FOR SIDEWALKS
701006-02	OFF-RD OPERATIONS, 2L, 2W, 15' TO 2' FROM EDGE OF PAVEMENT
701101-01	OFF-RD OPERATIONS, MULTILANE, 15' TO 2' FROM EDGE OF PAVEMENT
701501-03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-04	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W W/NONTRAVERABLE MEDIAN
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-06	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720016-01	MAST ARM MOUNTED STREET NAME SIGNS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
814001	CONCRETE HANDHOLES
814006	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001	TRAFFIC SIGNAL GROUNDING
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
878001-04	CONCRETE FOUNDATION DETAILS
880006	TRAFFIC SIGNAL MOUNTING DETAILS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**GENERAL NOTES
INDEX OF SHEETS
STANDARDS IN THE PLANS**

SCALE: VERT. _____
 HORIZ. _____
DATE _____

DRAWN BY _____
CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MARION	17	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN 90% FED. 5% STATE 5% CITY TOTAL	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		QUANTITIES	Y031-1F SB U.S. 51 & BROADWAY	Y031-1F NB U.S. 51 & BROADWAY	Y031-1F NB U.S. 51 & 2ND ST.
* 42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	3978	2317	1621	40	
* 42400420	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL	SO FT	438	119	319		
* 44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	11		11		
* 44000600	SIDEWALK REMOVAL	SO FT	4345	2317	1988	40	
* 44004700	SIDEWALK REMOVAL (SPECIAL)	SO FT	119	119			
* 60604500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (ABUTTING EXISTING PAVEMENT)	FOOT	11		11		
67100100	MOBILIZATION	L SUM	1	0.25	0.25	0.25	0.25
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.34	0.33	0.33	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.34	0.33	0.33	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.25	0.25	0.25	0.25
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.34	0.33	0.33	
* 72000100	SIGN PANEL - TYPE 1	SO FT	24		16	8	
* 72000200	SIGN PANEL - TYPE 2	SO FT	48	36	12		
80500200	SERVICE INSTALLATION, TYPE B	EACH	3	1	1	1	
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	521	204	195	122	
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	141	57	57	27	
81021550	CONDUIT, AUGERED 2" DIA., PVC	FOOT	40			40	
81021590	CONDUIT, AUGERED 4" DIA., PVC	FOOT	539	163	222	154	
81400100	HANDHOLE	EACH	13	4	5	4	
81400300	DOUBLE HANDHOLE	EACH	3	1	1	1	
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	662	261	252	149	
85700100	FULL-ACTUATED CONTROLLER AND TYPE III CABINET	EACH	3	1	1	1	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2430	320	1175	935	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2058	677	786	565	30
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	563	176	223	164	
87502660	TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	2	2			
87502700	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	6		3	3	
87502720	TRAFFIC SIGNAL POST, ALUMINUM 18 FT.	EACH	2	1	1		

- * VARIOUS ROUTES
- ** D7 SIGNAL MODERIZATION 2006-2

*SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

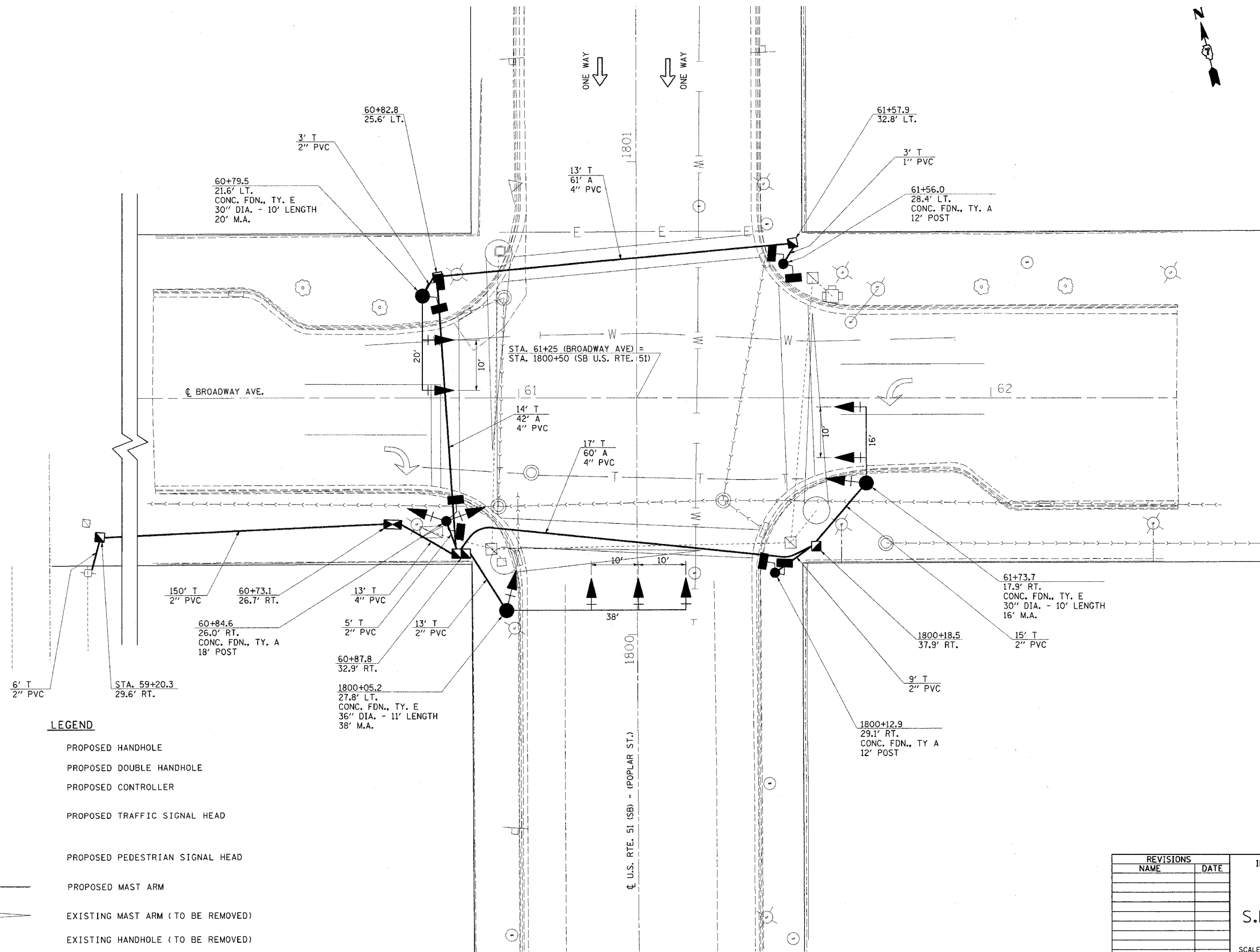
SCALE: VERT. _____
HORIZ. _____
DATE _____

DRAWN BY _____
CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MARION	17	5

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

- VARIOUS ROUTES
- D7 SIGNAL MODERIZATION 2006-2



LEGEND

- PROPOSED HANDHOLE
- PROPOSED DOUBLE HANDHOLE
- PROPOSED CONTROLLER
- PROPOSED TRAFFIC SIGNAL HEAD
- PROPOSED PEDESTRIAN SIGNAL HEAD
- PROPOSED MAST ARM
- EXISTING MAST ARM (TO BE REMOVED)
- EXISTING HANDHOLE (TO BE REMOVED)
- EXISTING DOUBLE HANDHOLE (TO BE REMOVED)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNAL LAYOUT

S.B. U.S. 51 & BROADWAY

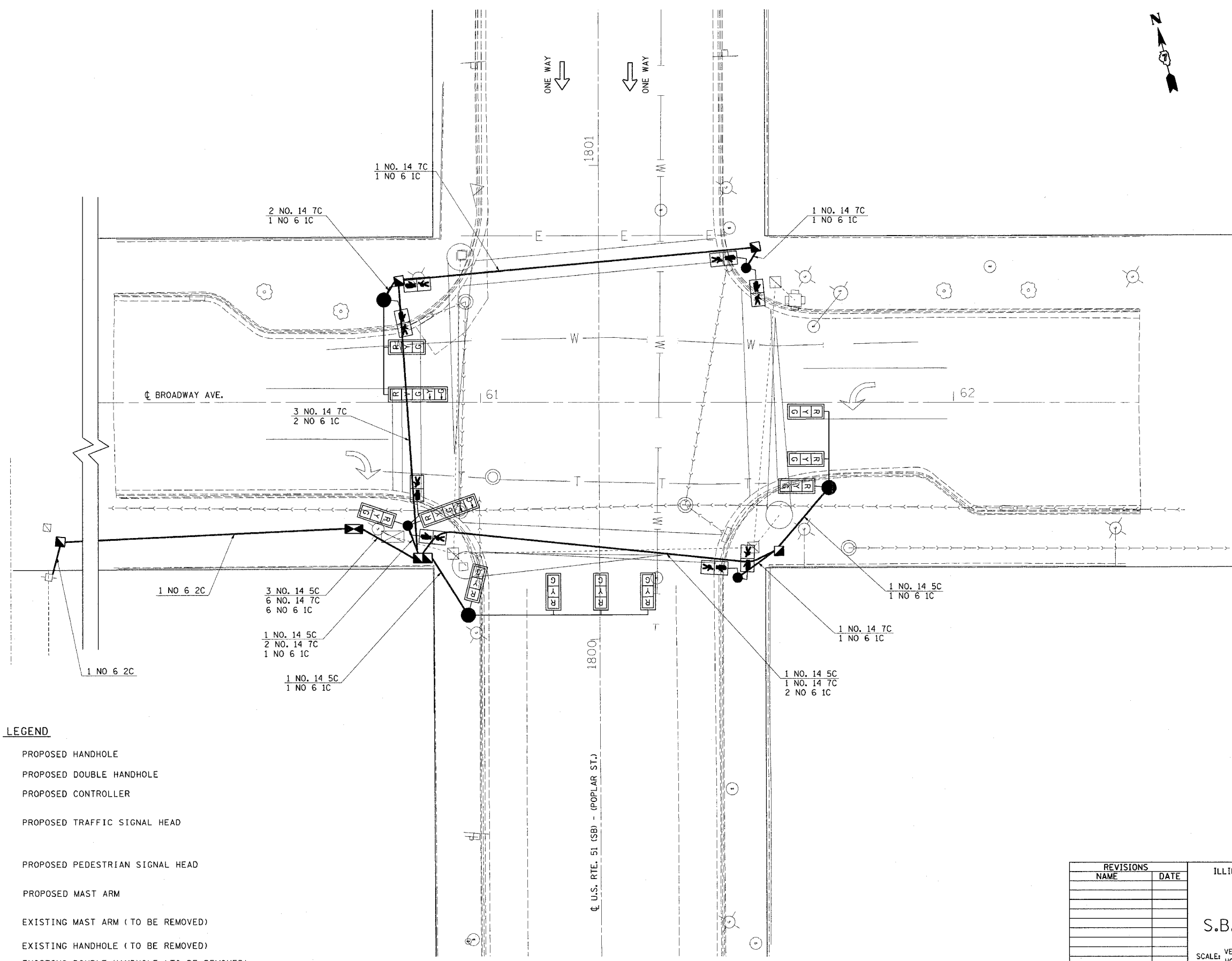
SCALE: VERT. _____
HORIZ. _____

DATE _____ DRAWN BY _____
CHECKED BY _____

PLOT DATE * 3/25/2006
 PLOT TIME * 10:52:11
 PLOT SCALE * 1/8"=1'-0"
 USER NAME * dlaprut

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MARION	17	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- * VARIOUS ROUTES
- ** D7 SIGNAL MODERIZATION 2006-2



LEGEND

- PROPOSED HANDHOLE
- PROPOSED DOUBLE HANDHOLE
- PROPOSED CONTROLLER
- PROPOSED TRAFFIC SIGNAL HEAD
- PROPOSED PEDESTRIAN SIGNAL HEAD
- PROPOSED MAST ARM
- EXISTING MAST ARM (TO BE REMOVED)
- EXISTING HANDHOLE (TO BE REMOVED)
- EXISTING DOUBLE HANDHOLE (TO BE REMOVED)

PLOT DATE = 3/26/2006
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #DISTRICT#

REVISIONS	
NAME	DATE

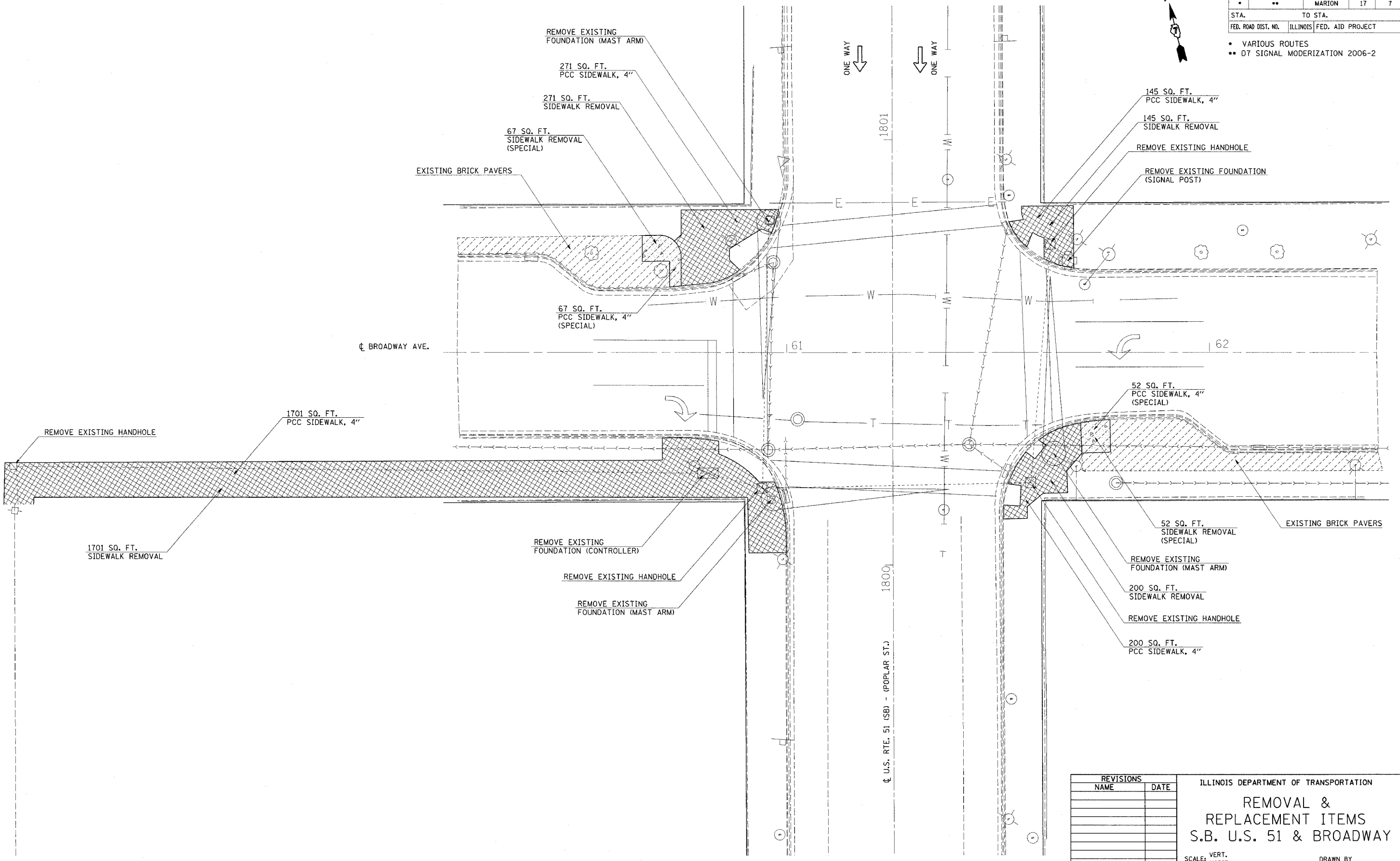
ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE LAYOUT
S.B. U.S. 51 & BROADWAY

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MARION	17	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- VARIOUS ROUTES
- D7 SIGNAL MODERIZATION 2006-2



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

REMOVAL & REPLACEMENT ITEMS

S.B. U.S. 51 & BROADWAY

SCALE: VERT. DATE HORIZ. DATE

DRAWN BY _____






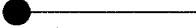



CHECKED BY _____

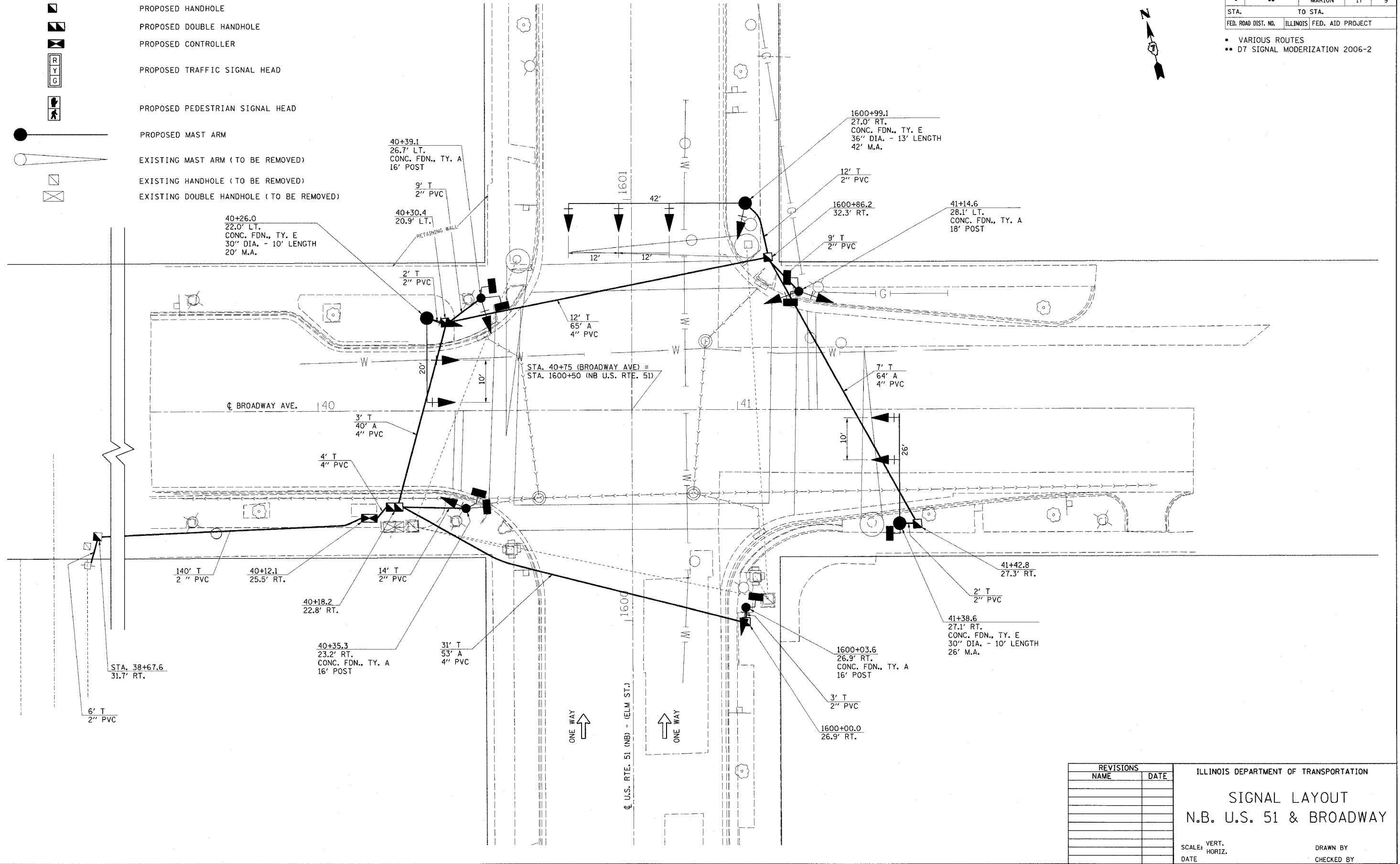
PLOT DATE = 3/28/2006
 FILE NAME = P11E119
 USER NAME = G4RPH11

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MARION	17	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- VARIOUS ROUTES
- D7 SIGNAL MODERIZATION 2006-2

LEGEND

-  PROPOSED HANDHOLE
-  PROPOSED DOUBLE HANDHOLE
-  PROPOSED CONTROLLER
-  PROPOSED TRAFFIC SIGNAL HEAD
-  PROPOSED PEDESTRIAN SIGNAL HEAD
-  PROPOSED MAST ARM
-  EXISTING MAST ARM (TO BE REMOVED)
-  EXISTING HANDHOLE (TO BE REMOVED)
-  EXISTING DOUBLE HANDHOLE (TO BE REMOVED)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNAL LAYOUT
N.B. U.S. 51 & BROADWAY

SCALE: VERT. _____
HORIZ. _____






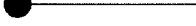



DATE _____ DRAWN BY _____
CHECKED BY _____

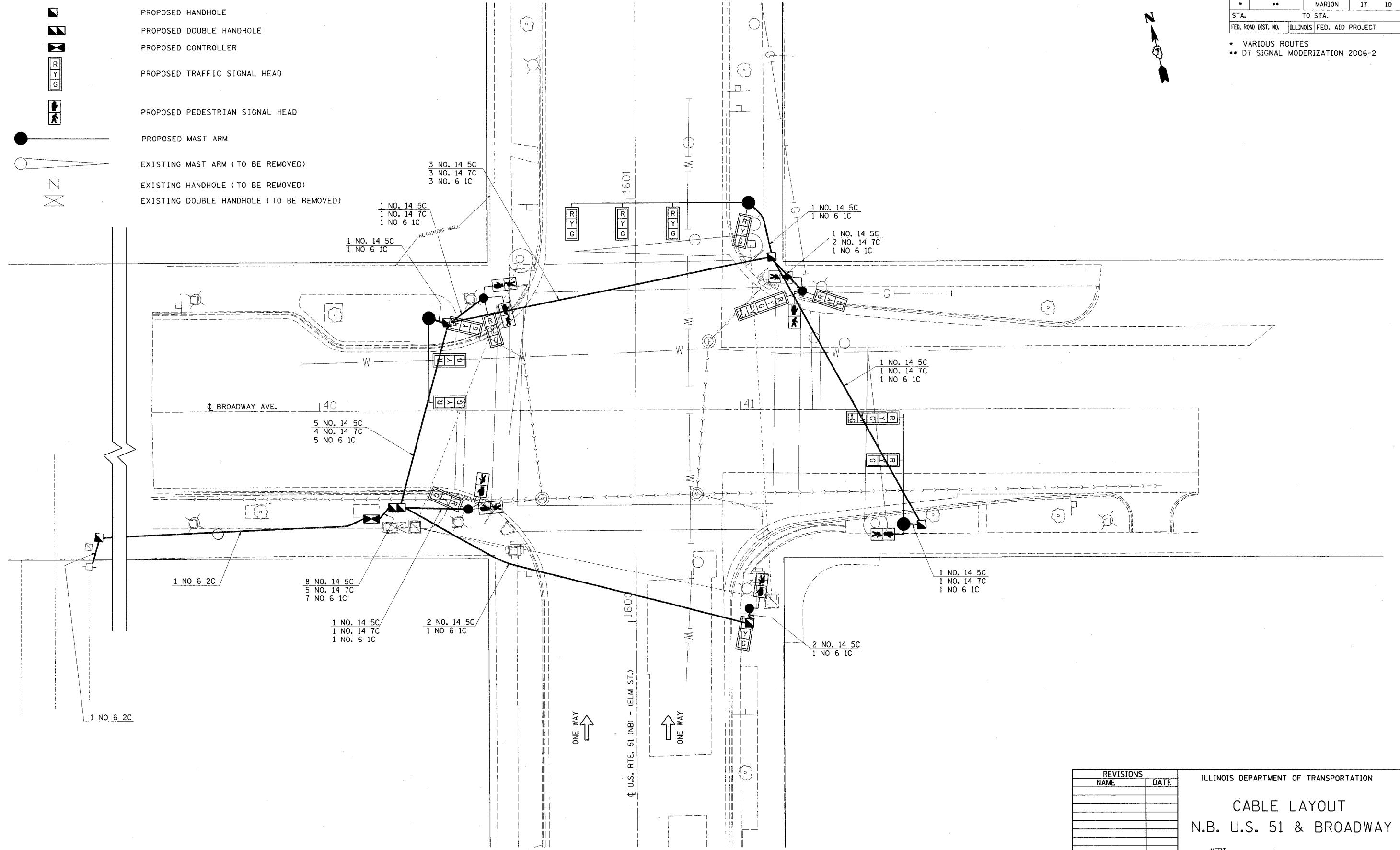
PLOT DATE = 3/25/2006
 PLOT SCALE = 1" = 40'
 USER NAME = dlsrnet

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MARION	17	10
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

- VARIOUS ROUTES
- D7 SIGNAL MODERIZATION 2006-2

LEGEND

-  PROPOSED HANDHOLE
-  PROPOSED DOUBLE HANDHOLE
-  PROPOSED CONTROLLER
-  PROPOSED TRAFFIC SIGNAL HEAD
-  PROPOSED PEDESTRIAN SIGNAL HEAD
-  PROPOSED MAST ARM
-  EXISTING MAST ARM (TO BE REMOVED)
-  EXISTING HANDHOLE (TO BE REMOVED)
-  EXISTING DOUBLE HANDHOLE (TO BE REMOVED)



PLOT DATE = 3/25/2006
 FILE NAME = MDELS
 USER NAME = distprst

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE LAYOUT
N.B. U.S. 51 & BROADWAY

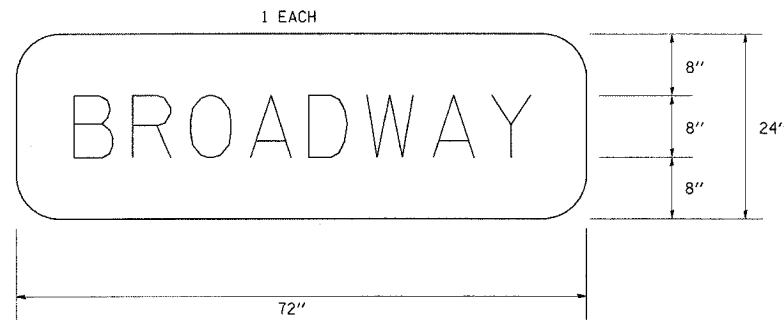
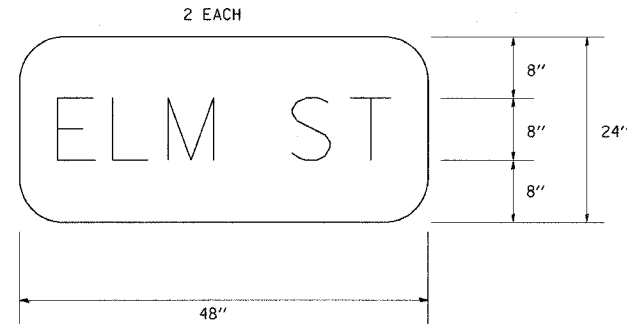
SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MARION	17	12
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

- VARIOUS ROUTES
- D7 SIGNAL MODERIZATION 2006-2

BILL OF MATERIALS
NB U. S. RTE. 51 (ELM ST.) & BROADWAY



ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH	SQ FT	1621.0
PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH, SPECIAL	SQ FT	319.0
COMBINATION CURB AND GUTTER REMOVAL	FOOT	11.0
SIDEWALK REMOVAL	SQ FT	1988.0
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (ABUTTING EXISTING PAVEMENT)	FOOT	11.0
SIGN PANEL-TYPE 1	SQ FT	16.0
SIGN PANEL-TYPE 2	SQ FT	12.0
SERVICE INSTALLATION, TYPE B	EACH	1.0
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	195.0
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	57.0
CONDUIT, AUGERED 4" DIA., PVC	FOOT	222.0
HANDHOLE	EACH	5.0
DOUBLE HANDHOLE	EACH	1.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	252.0
FULL-ACTUATED CONTROLLER AND TYPEE III CABINET	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1175.0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	786.0
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	223.0
TRAFFIC SIGNAL POST, ALUMINUM 16 FT	EACH	3.0
TRAFFIC SIGNAL POST, ALUMINUM 18 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	12.0
CONCRETE FOUNDATION, TYPE D	FOOT	3.0
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13.0
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING HANDHOLE	EACH	3.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6.0
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	643.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	4.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED	EACH	2.0

PLOT DATE = 8/20/2006
 FILE NAME = 07ELE1
 PLOT SCALE = 0SCALE
 USER NAME = dlistrot

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS
NB U.S. 51 & BROADWAY










SCALE: VERT. _____
HORIZ. _____

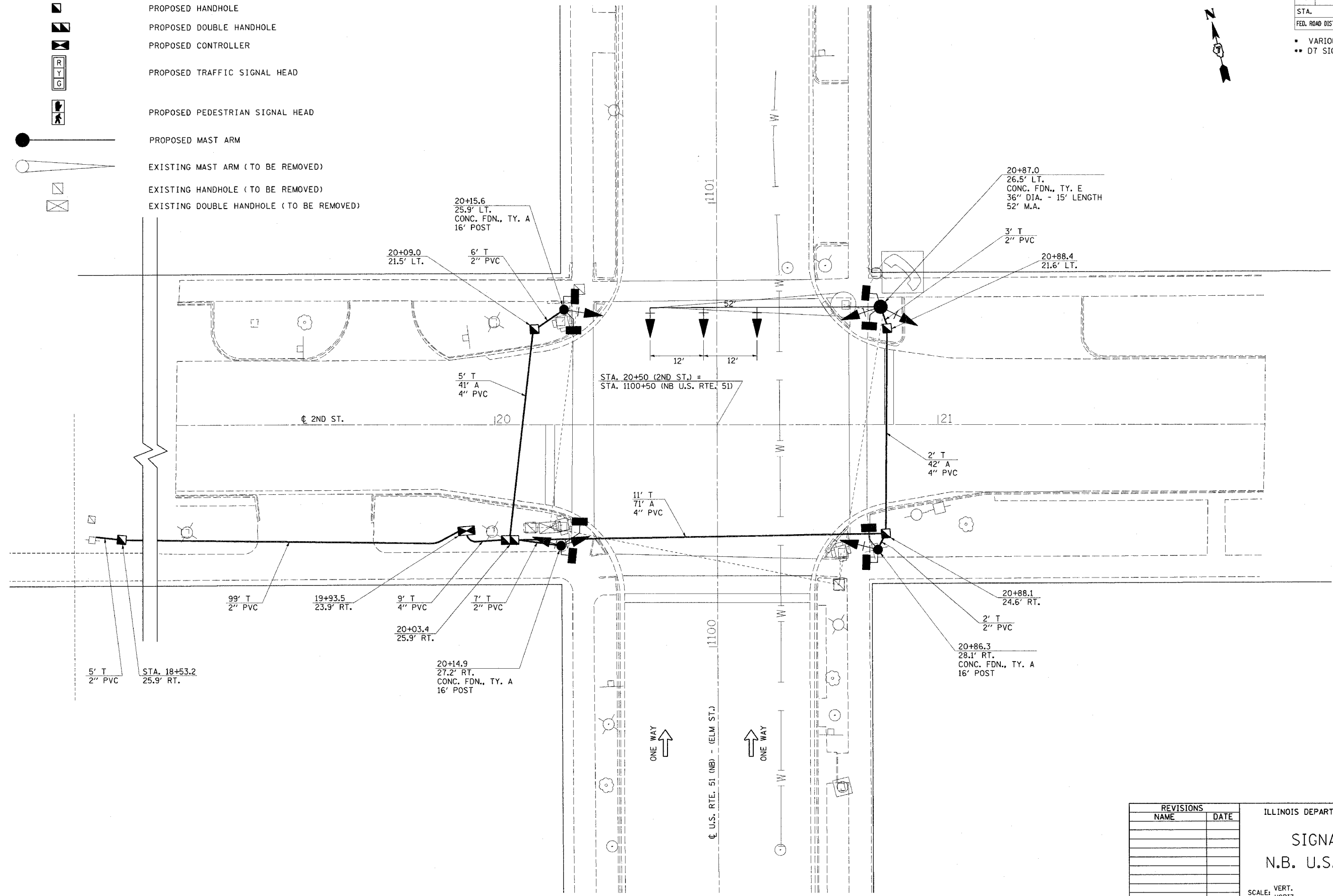
DATE _____ DRAWN BY _____
CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MARION	17	13
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- VARIOUS ROUTES
- D7 SIGNAL MODERIZATION 2006-2

LEGEND

-  PROPOSED HANDHOLE
-  PROPOSED DOUBLE HANDHOLE
-  PROPOSED CONTROLLER
-  PROPOSED TRAFFIC SIGNAL HEAD
-  PROPOSED PEDESTRIAN SIGNAL HEAD
-  PROPOSED MAST ARM
-  EXISTING MAST ARM (TO BE REMOVED)
-  EXISTING HANDHOLE (TO BE REMOVED)
-  EXISTING DOUBLE HANDHOLE (TO BE REMOVED)



PLOT DATE = 3/28/2006
 FILE NAME = BFILEL8
 USER NAME = Bstump

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNAL LAYOUT
N.B. U.S. 51 & 2ND ST.

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

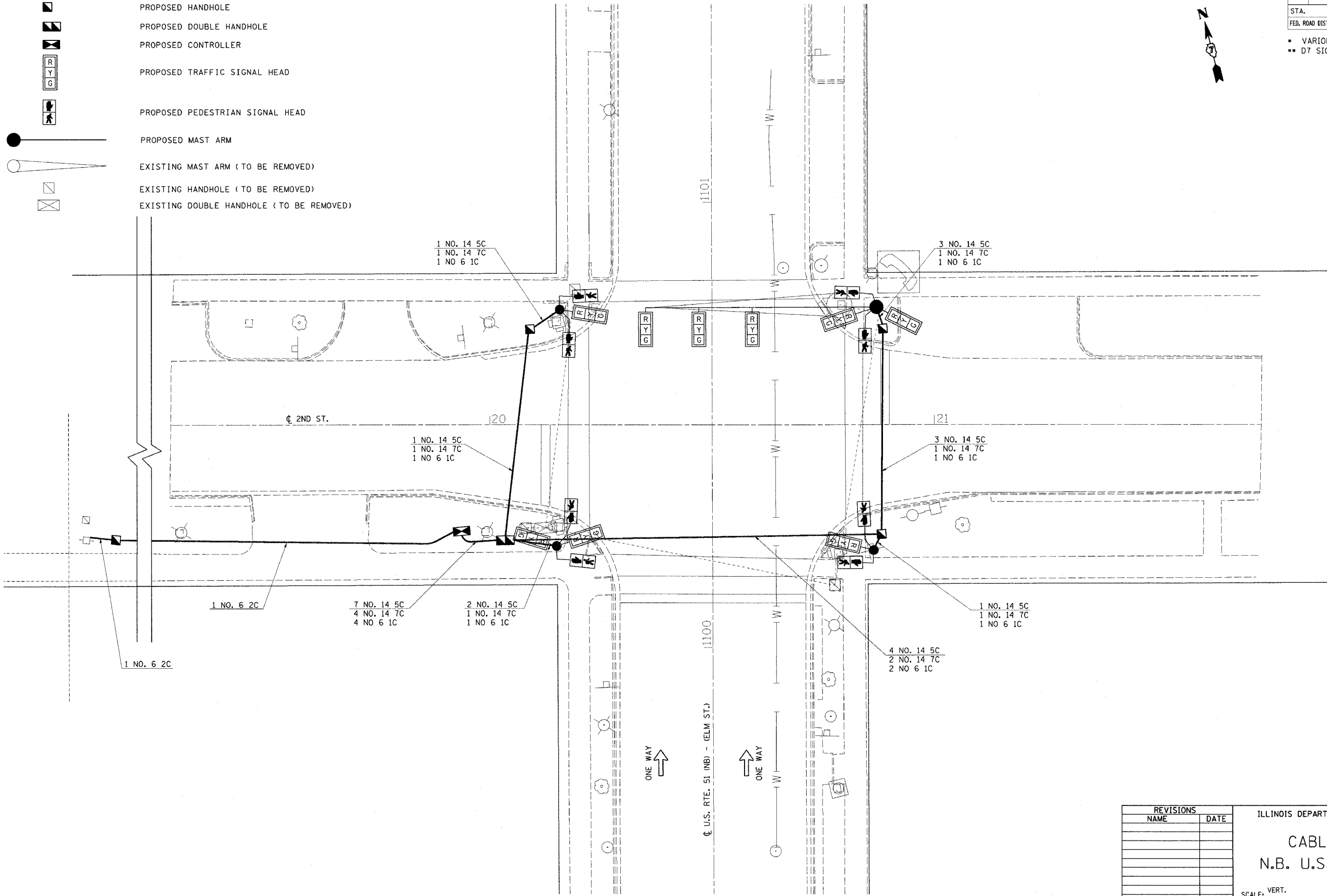
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MARION	17	14
STA. TO STA.				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- VARIOUS ROUTES
- D7 SIGNAL MODERIZATION 2006-2



LEGEND

- PROPOSED HANDHOLE
- PROPOSED DOUBLE HANDHOLE
- PROPOSED CONTROLLER
- PROPOSED TRAFFIC SIGNAL HEAD
- PROPOSED PEDESTRIAN SIGNAL HEAD
- PROPOSED MAST ARM
- EXISTING MAST ARM (TO BE REMOVED)
- EXISTING HANDHOLE (TO BE REMOVED)
- EXISTING DOUBLE HANDHOLE (TO BE REMOVED)



PLOT DATE = 3/28/2006
 FILE NAME = P11100.DWG
 USER NAME = dlsrprt

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE LAYOUT
N.B. U.S. 51 & 2ND ST.

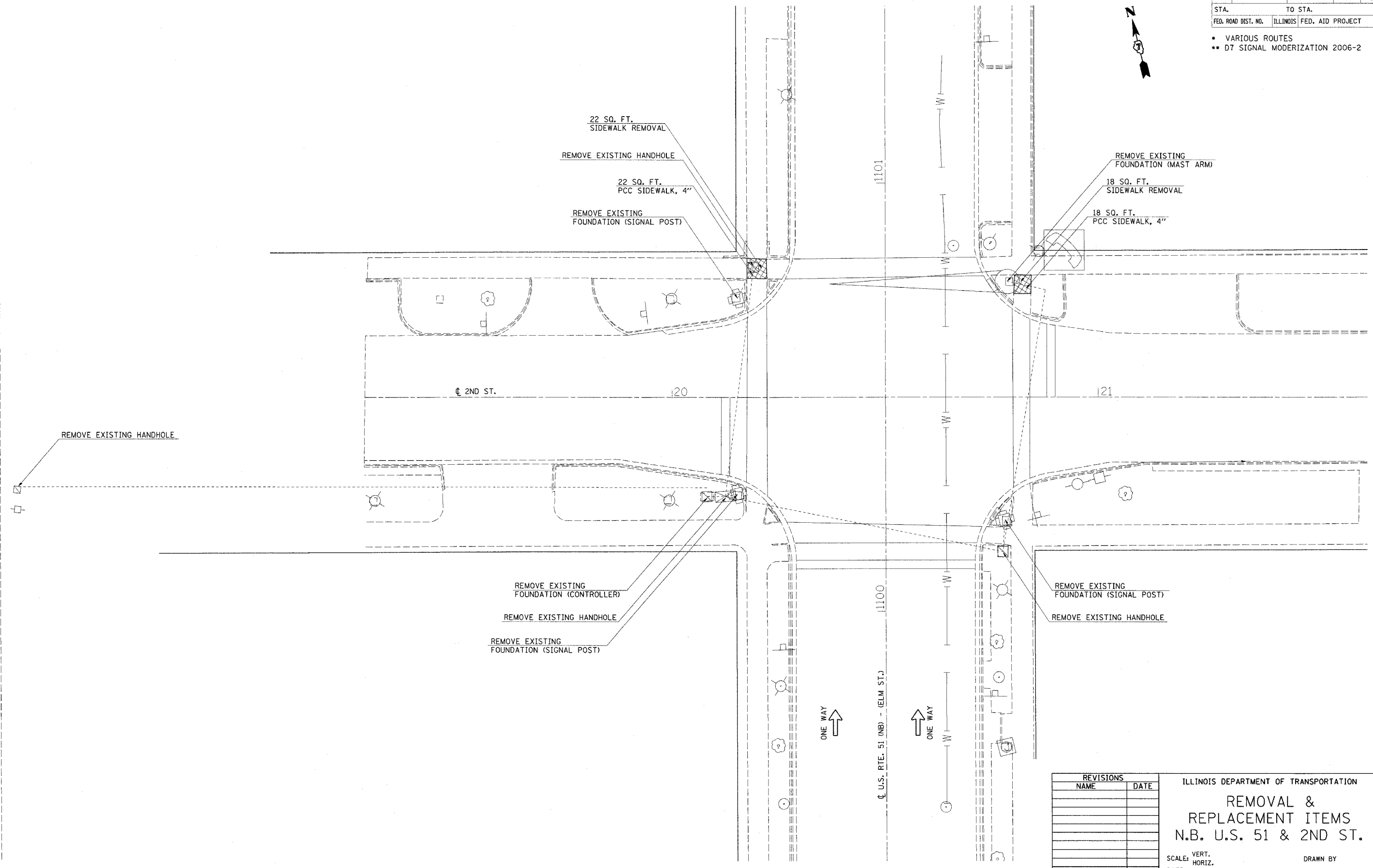
SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MARION	17	15

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

- * VARIOUS ROUTES
- ** D7 SIGNAL MODERIZATION 2006-2



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**REMOVAL &
 REPLACEMENT ITEMS**
 N.B. U.S. 51 & 2ND ST.

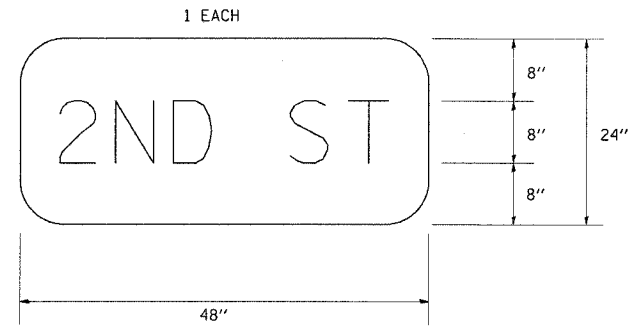
SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 3/28/2006
 FILE NAME = #FILEL#
 PLOT SCALE = #SCALE#
 USER NAME = #district

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MARION	17	16
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- * VARIOUS ROUTES
- ** D7 SIGNAL MODERIZATION 2006-2



BILL OF MATERIALS
NB U.S RTE. 51 (ELM ST.) & 2ND ST.

ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH	SQ FT	40.0
SIDEWALK REMOVAL	SQ FT	40.0
SIGN PANEL-TYPE 1	SQ FT	8.0
SERVICE INSTALLATION, TYPE B	EACH	1.0
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	122.0
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	27.0
CONDUIT, AUGERED 2" DIA., PVC	FOOT	40.0
CONDUIT, AUGERED 4" DIA., PVC	FOOT	154.0
HANDHOLE	EACH	4.0
DOUBLE HANDHOLE	EACH	1.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	149.0
FULL-ACTUATED CONTROLLER AND TYPEE III CABINET	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	935.0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	565.0
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	164.0
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	3.0
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	9.0
CONCRETE FOUNDATION, TYPE D	FOOT	3.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15.0
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING HANDHOLE	EACH	4.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5.0
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	410.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3.0
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED	EACH	4.0

PLOT DATE = 3/28/2006
 FILE NAME = 060111.dwg
 USER NAME = djanpvt

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BILL OF MATERIALS
NB U.S. 51 & 2ND ST.

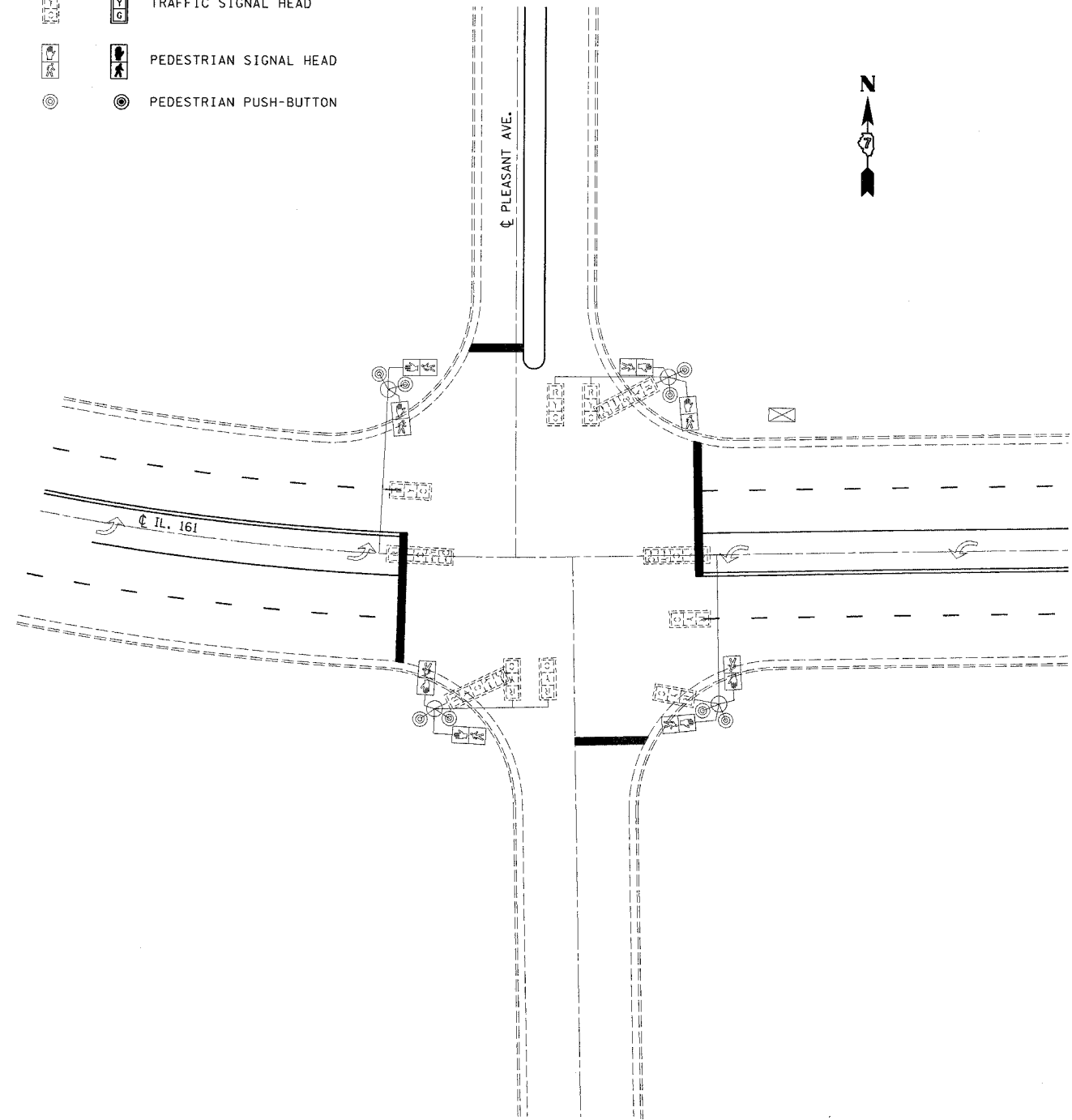
SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MARION	17	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

- * VARIOUS ROUTES
- ** D7 SIGNAL MODERIZATION 2006-2

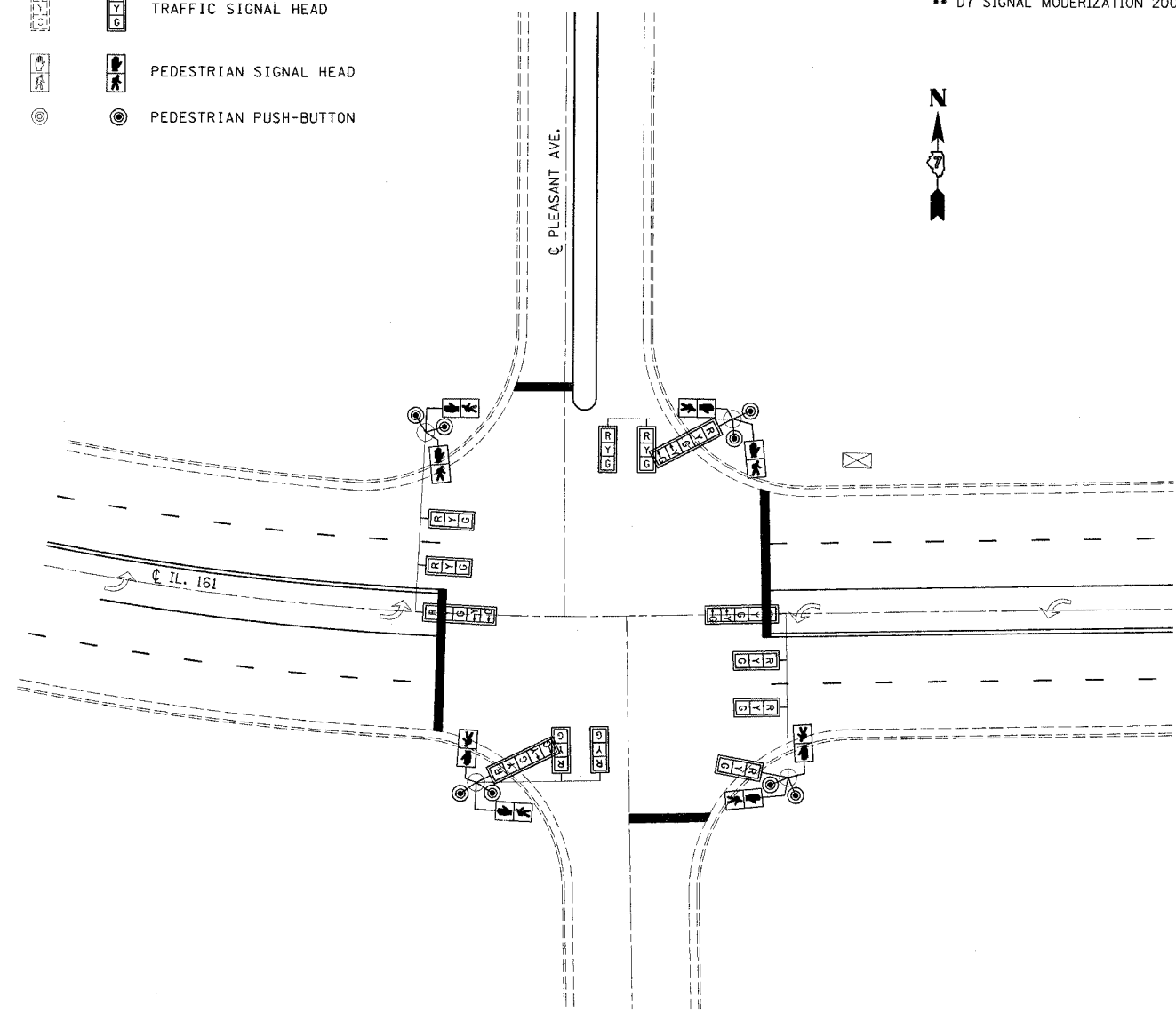
LEGEND

- TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON



LEGEND

- TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON



BILL OF MATERIALS
IL. RTE. 161 & PLEASANT AVE.

ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	30.0
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13.0
PEDESTRIAN PUSH BUTTON	EACH	8.0
MODIFY EXISTING CONTROLLER CABINET	EACH	1.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE	EACH	4.0

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNAL LAYOUT
IL. 161 & PLEASANT AVE.

SCALE: VERT. _____
HORIZ. _____

DATE _____ DRAWN BY _____
CHECKED BY _____

PLOT DATE = 3/20/2006
 PLOT SCALE = AS SHOWN
 USER NAME = dbrist