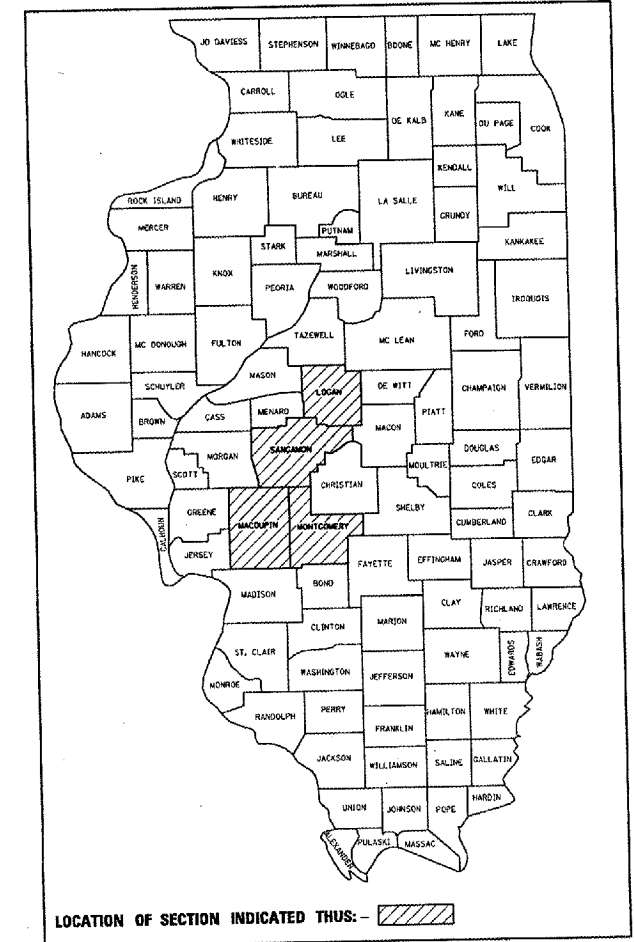


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.			30	1

* D-6 TRAFFIC SIGNAL MOD 2004-2
 ** LOGAN, MACOUPIN, MONTGOMERY, SANGAMON

D-96-520-04



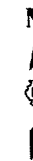
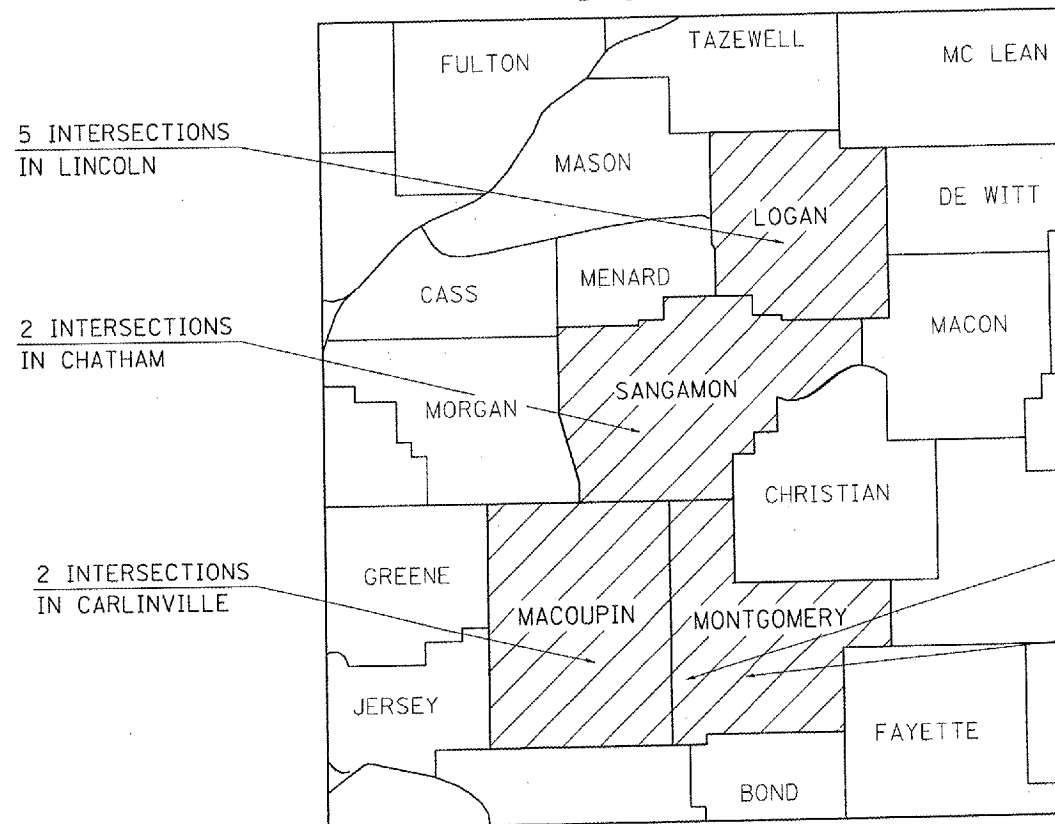
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**PROPOSED
 HIGHWAY PLANS**

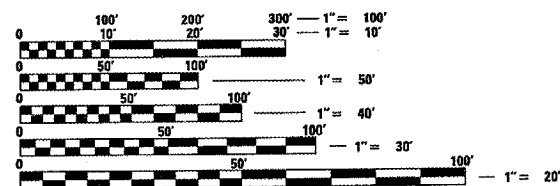
ROUTE VARIOUS
 SECTION D-6 TRAFFIC SIGNAL MOD 2004-2
 PROJECT: HSIP-000S(530)
 VARIOUS COUNTIES

FOR INDEX OF SHEETS, SEE SHEET NO. 2

C-96-526-07



LOCATION MAP



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 *October 24, 2006*
Christina M. Reed
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 8, 2006
Ella E. Hamm
 INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

December 8, 2006
Milton R. Sees, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

PROJECT ENGINEER: JOHN NEGANGARD 217-782-6990
 SQUAD LEADER: VICTOR YOUNG 217-557-7897

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARS	*	**	30	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* D-6 TRAFFIC SIGNAL MOD. 2004-2 ** LOGAN, MACDUPIN, MONTGOMERY, SANGAMON				

INDEX OF SHEETS

1. COVER SHEET
2. INDEX OF SHEETS
- 3.-5. SUMMARY OF QUANTITIES
6. TYPICAL SECTION
7. IL.10 & HEITMANN DR.
8. IL. 10 & CONNOLLEY DR.
9. IL .10 & ZION LUTHEREN SCHOOL
10. KEOKUK ST. & LOGAN ST.
11. LOGAN ST. & BROADWAY ST.
12. IL. 108 & MCCAUSLAND DR.
13. NICHOLAS ST.& BROAD ST.
14. IL. 4 & COTTONWOOD DR.
15. IL. 4 & PLUMMER BLVD.
16. MAIN ST & SCHOOL ST.
17. IL. 127 & FAIRGROUND
- 18.-19. IL. 16 & CORVETTE DR.
20. IL. 16 & SHERMAN ST.
21. IL. 16 & JEFFERSON ST.
22. IL. 16 & STATE ST.
23. IL. 16 7 ST. FRANCIS WAY
- 24-25. TRAFFIAC SIGNAL DETECTOR LOOP DETAILS
26. LEGEND FOR TRAFFIAC SIGNALS DETAILS
- 27-28 CORVETTE DR. DETAILS
- 29.-30 CROSS SECTIONS

COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

NO COMMITMENTS

RATES OF APPLICATION

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES.

PRIME COAT (BITUMINOUS) 0.00038 TON/SY

PRIMECOAT (AGGREGATE) 4 LBS/SQ. YD. - 0.002 TON /SY

BITUMINOUS SURFACE OR BINDER - 2.016 TONS/CY.
AGGREGATE - 2.05 TONS/ CY.

SEEDING, CLASS 2
FERTILIZER RATION 1:1:1 RATR :270 LBS/ACRE (90 * OF NITROGEN, 90* OF PHOSPHOROUS, 90* OF POTASSIUM)
AGRICULTURAL GROUND LIMESTONE: 2 TON/ACRE
MULCH: 2 TON/ACRE

GENERAL NOTES

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS, MONUMENTS, AND PERMANENT SURVEY MARKERS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSES OR OTHERWISE REFERENCED THEIR LOCATION.

ANY REFERENCE TO A STANDARD IN THE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION, AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THE PLANS.

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. ALL UTILITY LOCATIONS SHOWN ARE SUPPLIED BY THE UTILITY COMPANIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

THE NOMINAL THICKNESS FOR BASE AND SURFACE COURSES ARE SHOWN ON THE TYPICAL SECTIONS, STANDARDS,SCHEDULES , OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEM SHALL NOT BE LESS THAN 90 PERCENT OF OF THE NOMINAL THICKNESS AT ANY LOCATION.

THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATION OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

ALL ELEVATIONS SHOWN ON PLANS ARE ESTABLISHED FROM U.S.G.S MEAN SEAL LEVEL DATUM.

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE BITUMINOUS SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCE, TURN LANES, ETC. WILL BE ALLOWED

HIGHWAY STANDARDS

- 9000001-04
- 606001-03
- 701701-04
- 702001-06
- 780001-01
- 857001
- 880006
- 701001-01
- 701006-02
- 701501-03

DISTRICT SIX		
EXAMINED	<u>Oct 10</u>	<u>20 06</u>
<i>[Signature]</i>		
OPERATIONS ENGINEER		
EXAMINED	<u>Oct 10</u>	<u>20 06</u>
<i>[Signature]</i>		
PROGRAM IMPLEMENTATION ENGINEER		
EXAMINED	<u>October 23</u>	<u>20 06</u>
<i>[Signature]</i>		
PROGRAM DEVELOPMENT ENGINEER		

DATE = 10/16/2006
 USER = vrs
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = vrs

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INDEX OF SHEETS, STANDARDS LIST,
COMMITMENTS, & GENERAL NOTES

SCALE: VERT.
 HORIZ.
 DATE 06-01-06

DRAWN BY TMJ
 CHECKED BY VTY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	**	VARIOUS	30	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* VARIOUS
 ** D-6 TRAFFIC SIGNAL MOD 2004-2

CODE NO.	ITEM	UNIT	TOTAL	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED
				10% STATE	5% STATE 5% LOCAL	5% STATE 5% LOCAL	5% STATE 5% LOCAL	6.7% STATE 3.3% LOCAL	5% STATE 5% LOCAL	7.5% STATE 2.5% LOCAL	5% STATE 5% LOCAL
				URBAN HILLSBORO*	HILLSBORO	CHATHAM	LITCHFIELD	LITCHFIELD**	LINCOLN	LINCOLN***	CARLINVILLE
				Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F
20200410	EARTH EXCAVATION (SPECIAL)	CU YD	64.3				64.3				
31101810	SUB-BASE GRANULAR MATERIAL, TYPE B 12"	SO YD	52.6				52.6				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	145.4				145.4				
60605000	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24	FOOT	146				146				
67100100	MOBILIZATION	L SUM	1	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		0.167	0.167	0.167	0.167	0.166		0.166
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5				5				
78003180	PREFORMED PLASTIC PAVEMENT MARKING TYPE B - LINE 24"	FOOT	60				60				
78300105	PAVEMENT MARKING REMOVAL	FOOT	46				46				
81012200	CONDUIT IN TRENCH, 3/4" DIA. , PVC	FOOT	15				15				
81012600	CONDUIT IN TRENCH, 2" DIA. , PVC	FOOT	31				31				
81012700	CONDUIT IN TRENCH, 2 1/2" DIA. , PVC	FOOT	7				7				

- * MAIN STREET & SCHOOL STREET
- ** IL. 16 & ST. FRANCIS
- *** LOGAN STREET & KEOKUK STREET

● SPECIALTY ITEMS

PLOT DATE : 10/24/2008
 FILE NAME : C:\p\72885\72885.dwg
 PLOT SCALE : 2500/3100 = 1/125 IN.
 USER NAME : taughlinr

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT. DATE: DRAWN BY DAY CHECKED BY YYY

Rev.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	30	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* VARIOUS
** D-6 TRAFFIC SIGNAL MOD 2004-2

CODE NO.	ITEM	UNIT	TOTAL	90% FED 10% STATE	90% FED 5% STATE 5% LOCAL	90% FED 5% STATE 5% LOCAL	90% FED 5% STATE 5% LOCAL	90% FED 6.7% STATE 3.3% LOCAL	90% FED 5% STATE 5% LOCAL	90% FED 7.5% STATE 2.5% LOCAL	90% FED 5% STATE 5% LOCAL	
				Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	
					URBAN HILLSBORO*	HILLSBORO	CHATHAM	LITCHFIELD	LITCHFIELD**	LINCOLN	LINCOLN***	CARLINVILLE
81012800	CONDUIT IN TRENCH, 3" DIA. , PVC	FOOT	5					5				
81013000	CONDUIT IN TRENCH, 4" DIA. , PVC	FOOT	11					11				
81306100	JUNCTION BOX (SPECIAL)	EACH	2					2				
81400100	HANDHOLE	EACH	2					2				
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	69					69				
87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18, 3 PAIR	FOOT	42					42				
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	12						12			
88600100	DETECTOR LOOP, TYPE I	FOOT	523					523				
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2							2		
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4							4		
88040310	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED	EACH	4							4		
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	10	1	1	1	2		3	1	1	
89502350	REMOVE AND REINSTALL ELECTRIC CABLE ^{FROM} CONDUIT	FOOT	575				575					
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1						1			
89502380	REMOVE EXISTING HANDHOLE	EACH	2				2					

- * MAIN STREET & SCHOOL STREET
- ** IL. 16 & ST. FRANCIS
- *** LOGAN STREET & KEOKUK STREET

PLOT DATE : 10/24/2005
 FILE NAME : s:\p\proj\72885\72885.dgn
 PLOT SCALE : 2500:1
 USER NAME : laughtin1

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SUMMARY OF QUANTITIES SCALE: VERT. DRAWN BY DAY HORIZ. CHECKED BY YTY DATE

Rev.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	30	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* VARIOUS
** D-6 TRAFFIC SIGNAL MOD 2004-2

CODE NO.	ITEM	UNIT	TOTAL	90% FED 10% STATE	90% FED 5% STATE 5% LOCAL	90% FED 5% STATE 5% LOCAL	90% FED 5% STATE 5% LOCAL	90% FED 6.7% STATE 3.3% LOCAL	90% FED 5% STATE 5% LOCAL	90% FED 7.5% STATE 2.5% LOCAL	90% FED 5% STATE 5% LOCAL
				HILLSBORO*	HILLSBORO	CHATHAM	LITCHFIELD	LITCHFIELD**	LINCOLN	LINCOLN***	CARLINVILLE
				Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F
X3540500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 11 3/4"	SO YD	52.6				52.6				
X8950910	REBUILD EXISTING SIGNAL HEAD FACE, 3-SECTION, LED	EACH	130	5	8	24	31	8	30	10	14
X8950915	REBUILD EXISTING SIGNAL HEAD FACE, 4-SECTION, LED	EACH	24		4		12		4		4
X8950920	REBUILD EXISTING SIGNAL HEAD FACE, 5-SECTION, LED	EACH	91	6	4	12	27	2	18	8	14
X8950950	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD FACE, LED	EACH	78	4	4	16	24	2	8	8	12
Z0075300	TIE BARS	EACH	74				74				

URBAN HILLSBORO*

- * MAIN STREET & SCHOOL STREET
- ** IL. 16 & ST. FRANCIS
- *** LOGAN STREET & KEOKUK STREET

SPECIALTY ITEMS

PLOT DATE : 01/24/2006
 FILE NAME : c:\p2\proj\652084\h1\h1.dgn
 PLOT SCALE : 200L/400 / IN.
 USER NAME : laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT.
HORIZ.
DATE

DRAWN BY DAV
CHECKED BY VTY

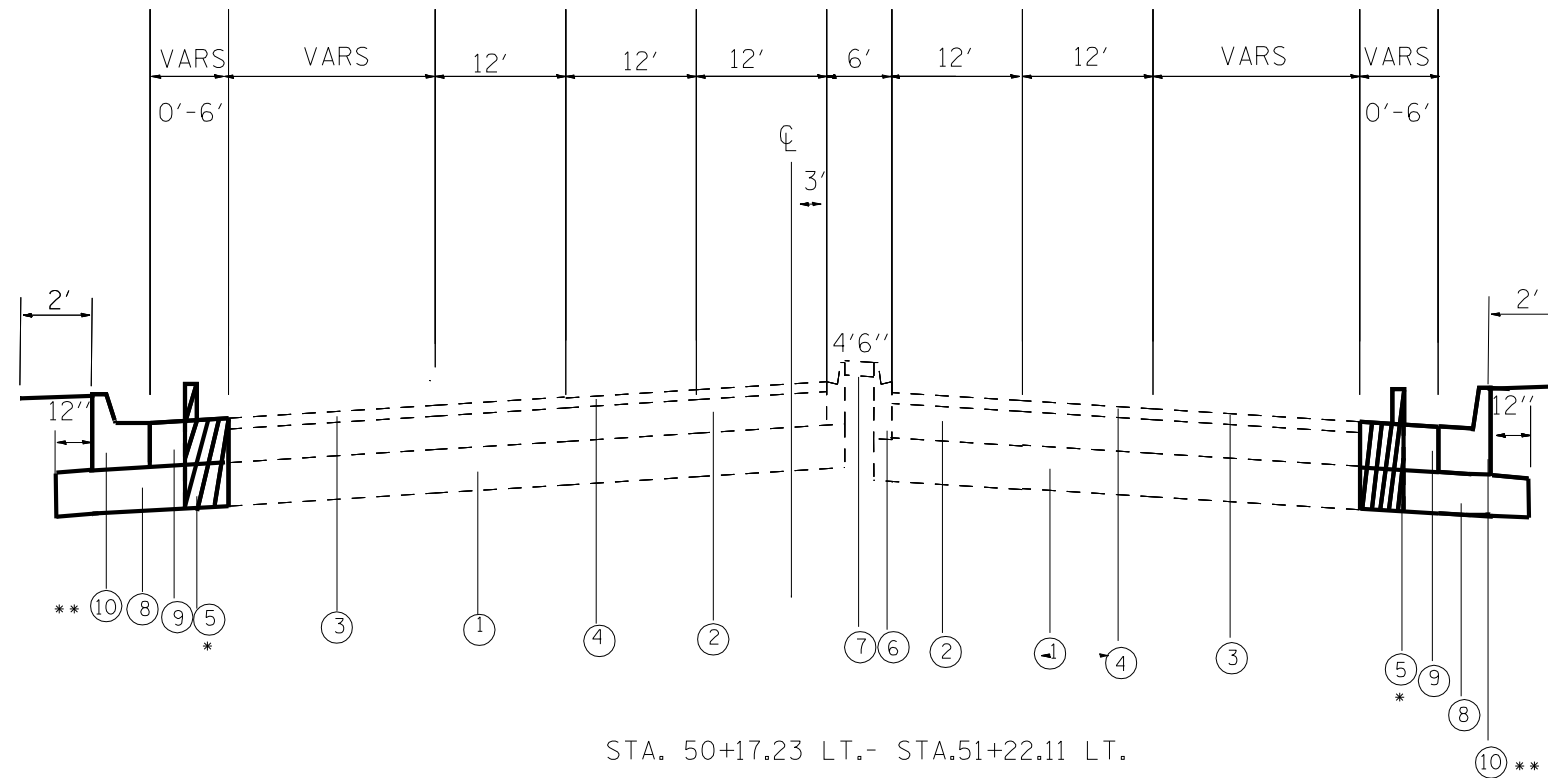
Rev.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325		VARIOUS	30	6

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

D-6 TRAFFIAC SIGNAL MOD 2004-2

CORVETTE DR.



* STA. 50+28.99 LT.- STA. 51+22.11 LT.
 * STA. 50+69.48 RT.- STA. 51+21.78 RT.

** STA. 50+27.72 LT.- STA. 51+22.11 LT.
 ** STA. 50+71.00 RT.- STA. 51+22.43 RT.

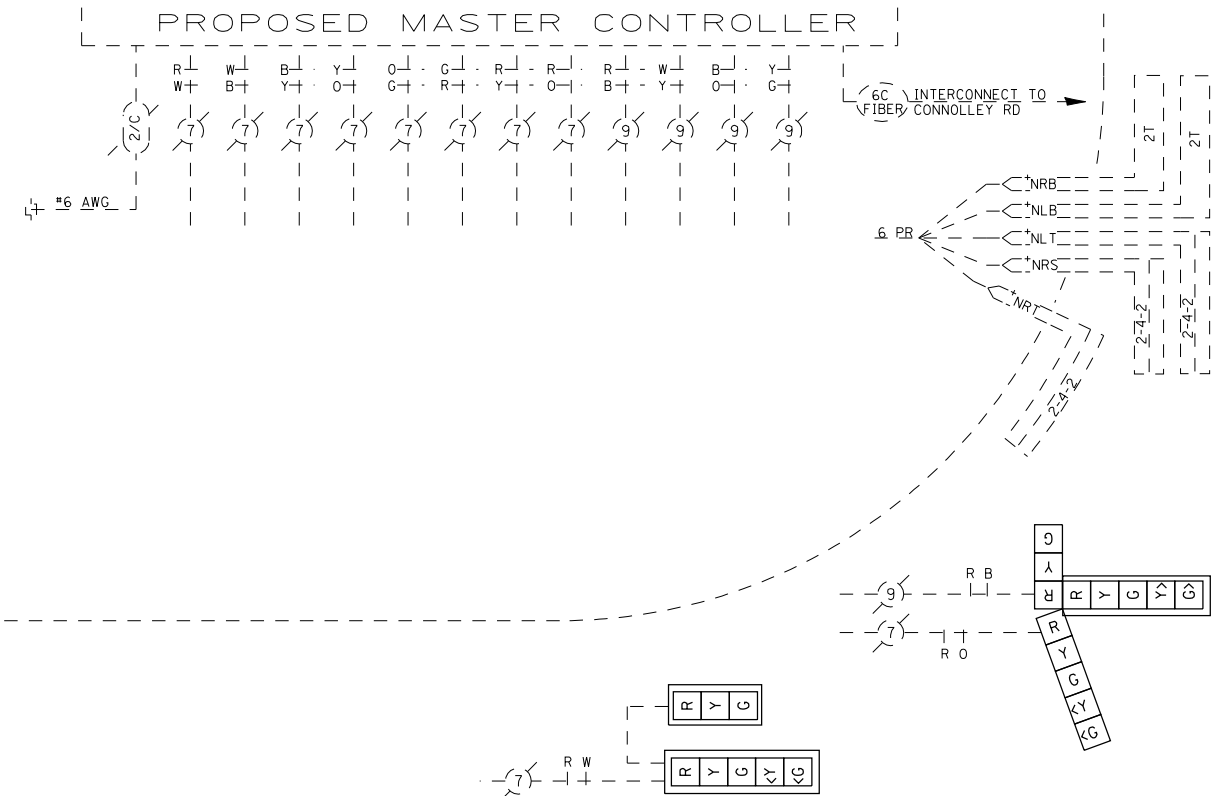
STA. 50+17.23 LT.- STA.51+22.11 LT.
 STA. 50+69.31 RT.- STA.51+21.78 RT.

- 1 EXISTING SUB-BASE GRANULAR MATERIAL, TY. A, 12"
- 2 EXISTING BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH) , 9 1/4"
- 3 EXISTING BITUMINOUS CONCRETE BINDER COURSE, TYPE 2, 1"
- 4 EXISTING BITUMINOUS CONCRETE SURFACE COURSE, CLASS 1, MIX E, TYPE 2, 1 1/2"
- *5 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B- 6.18 TO BE REMOVED
- 6 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12
- 7 EXISTING 4" MEDIAN SURFACE
- 8 PROPOSED SUBBASE GRANULAR MATERIAL , TYPE B, 12"
- 9 PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 11 3/4"
- **10 PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 CORVETTE DR.
 MONTGOMERY COUNTY
 SCALE: VERT. DRAWN BY DAV
 HORIZ. CHECKED BY VTY
 DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	VARIOUS	30	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2004-2				



TRAFFIC SIGNAL QUANTITIES

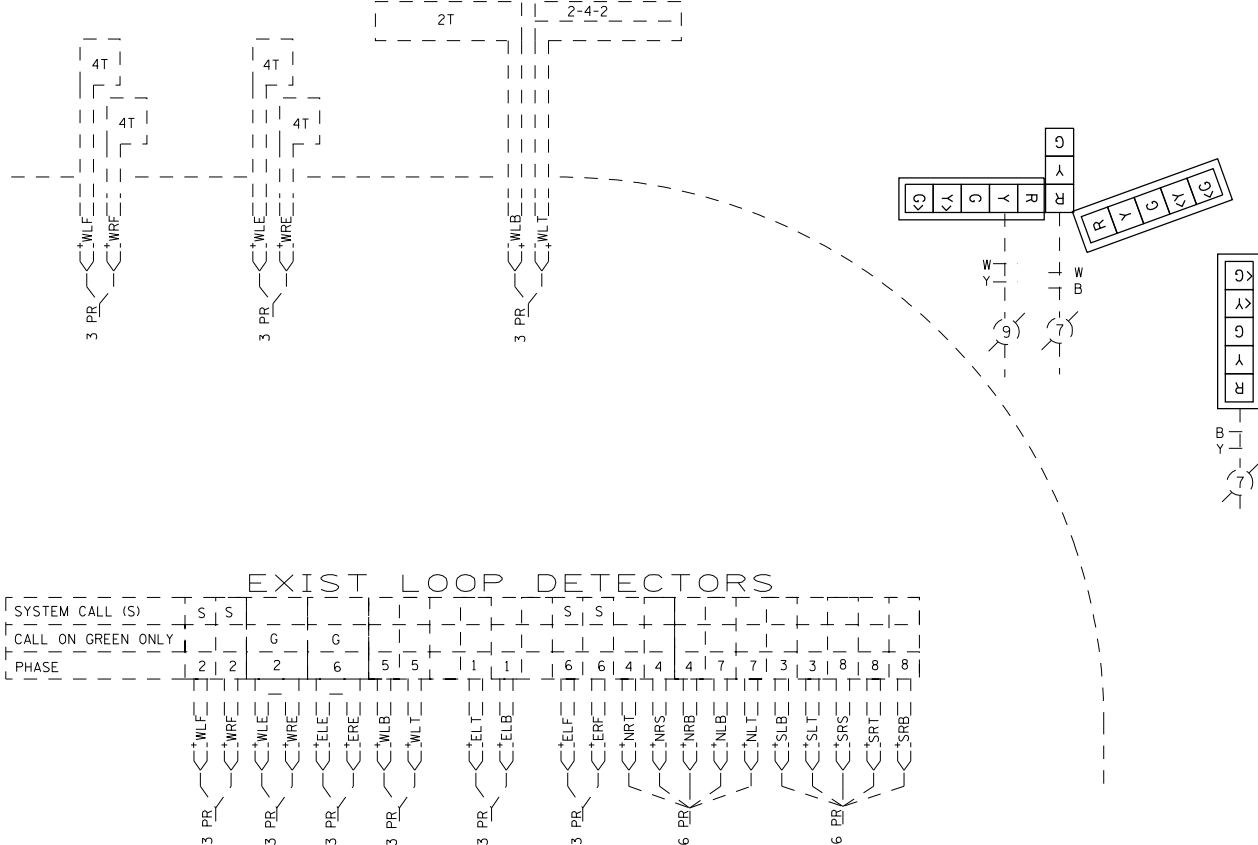
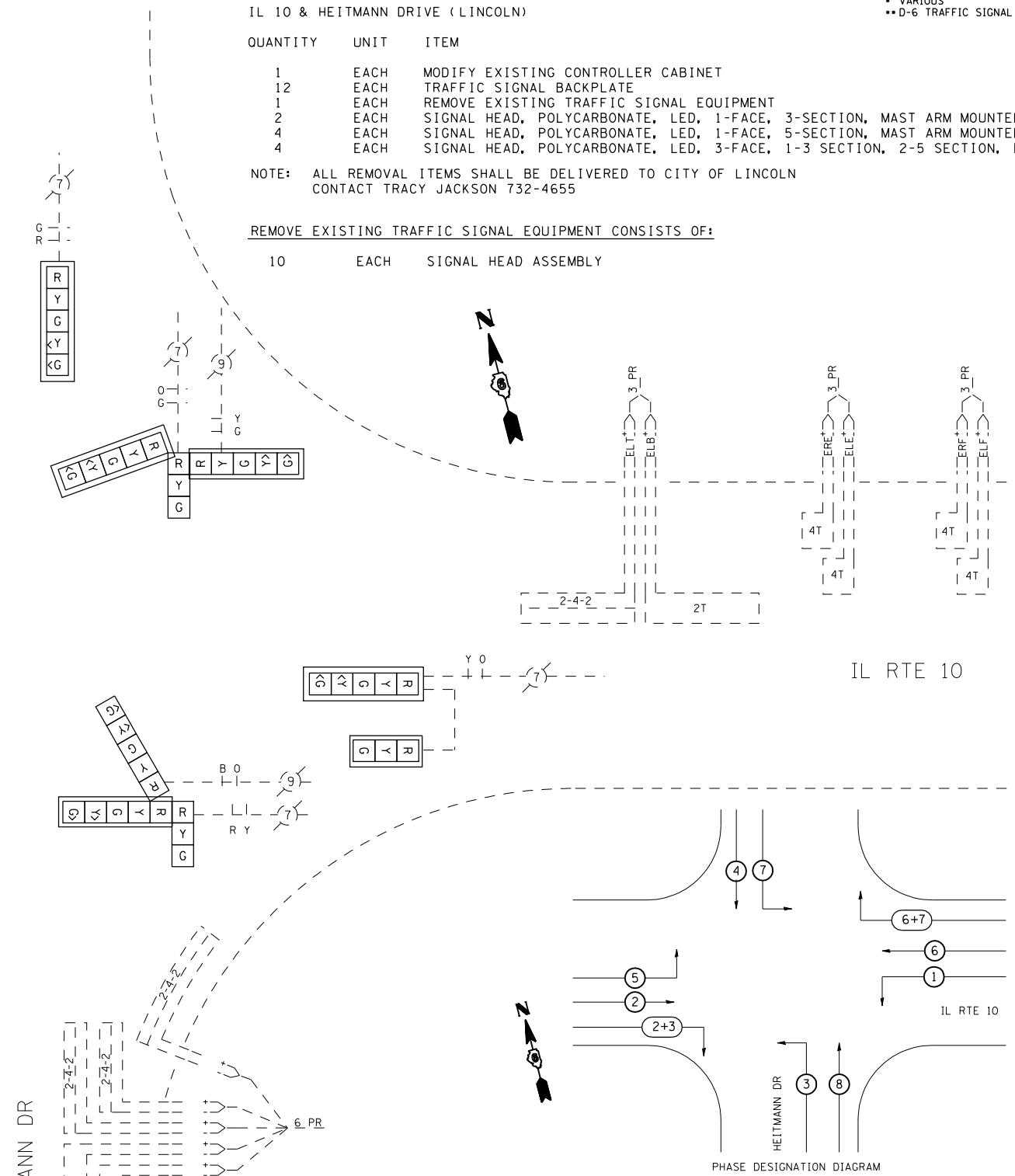
IL 10 & HEITMANN DRIVE (LINCOLN)

QUANTITY	UNIT	ITEM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
12	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED

NOTE: ALL REMOVAL ITEMS SHALL BE DELIVERED TO CITY OF LINCOLN CONTACT TRACY JACKSON 732-4655

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT CONSISTS OF:

10	EACH	SIGNAL HEAD ASSEMBLY
----	------	----------------------



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNALS

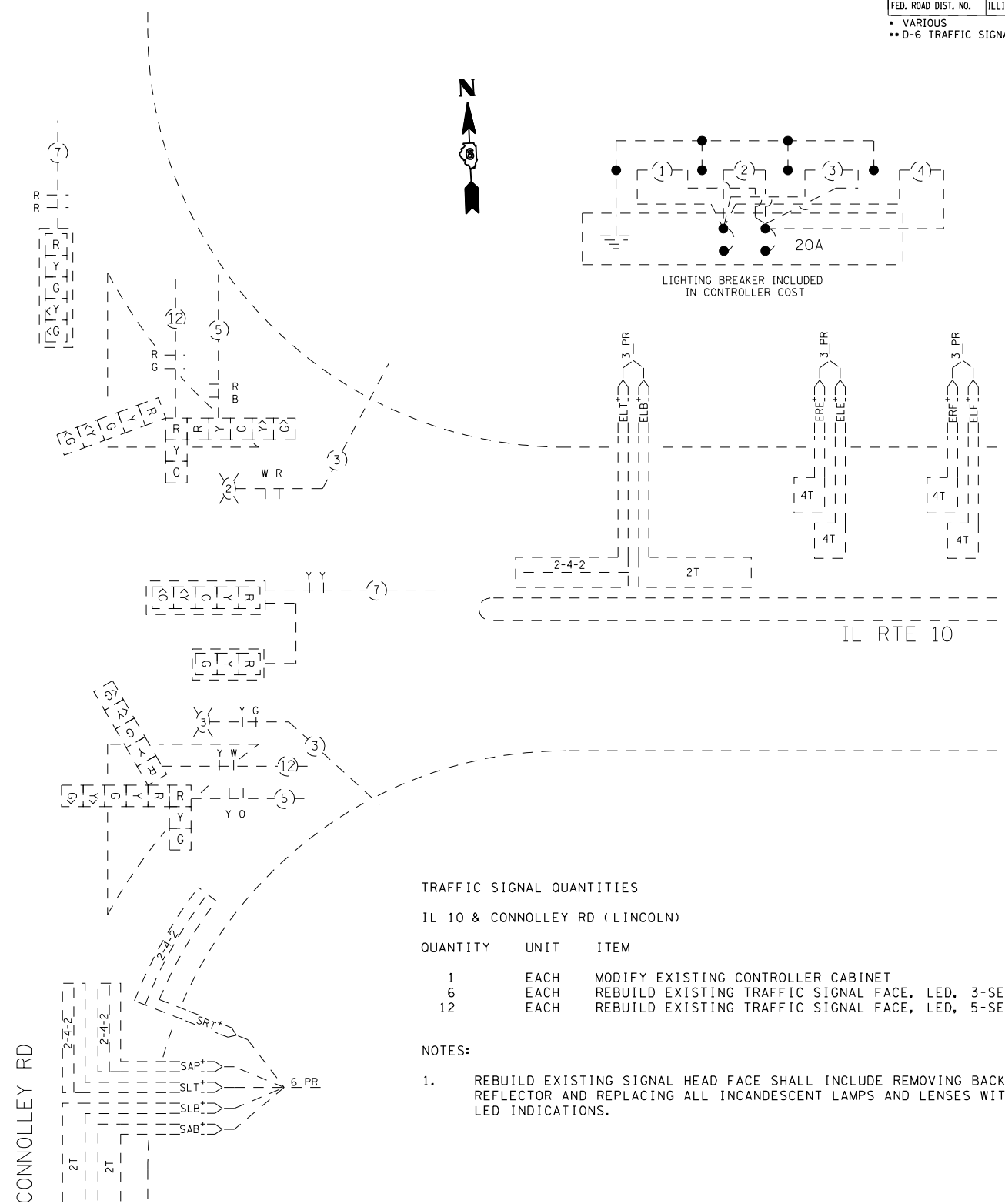
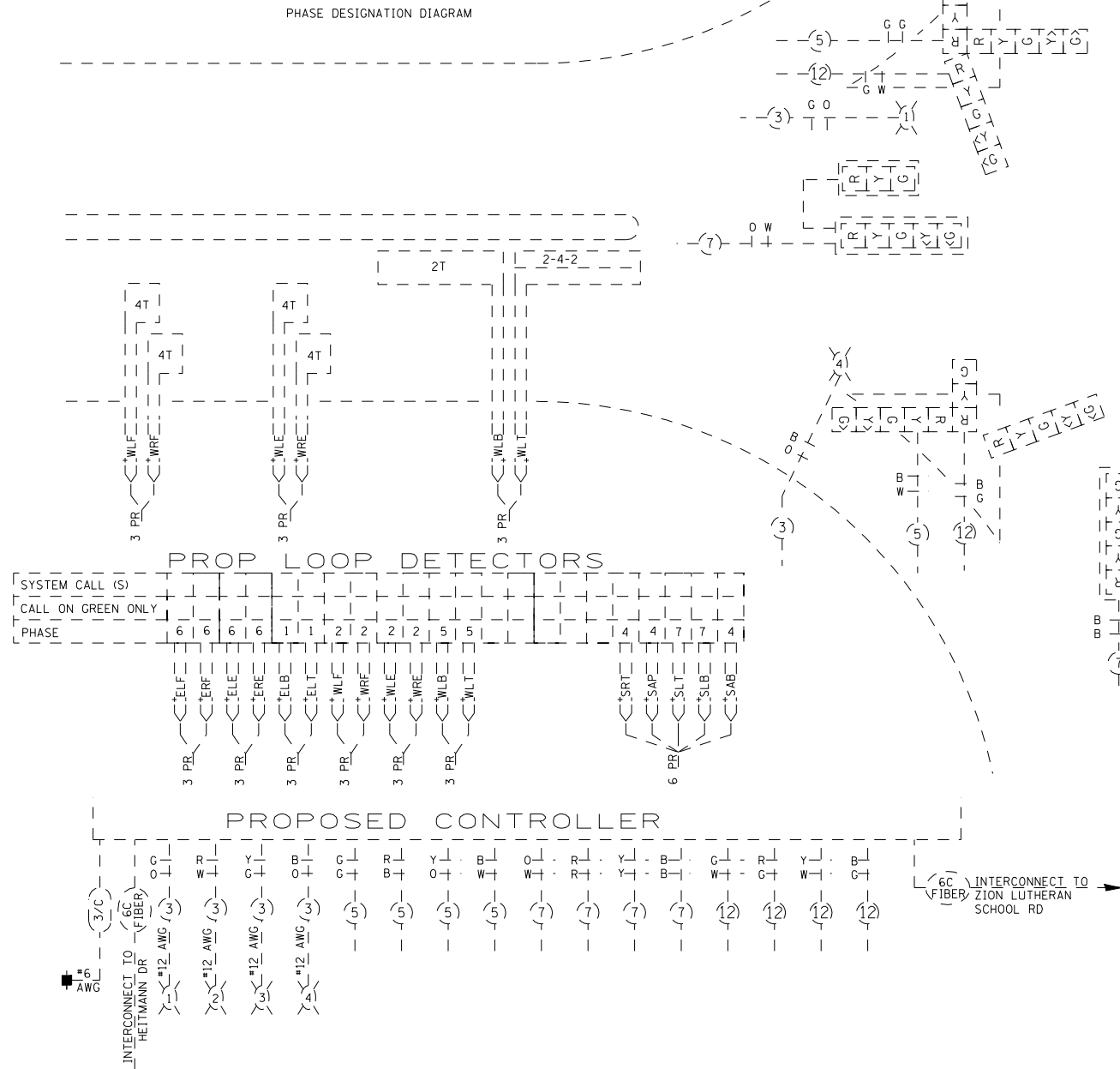
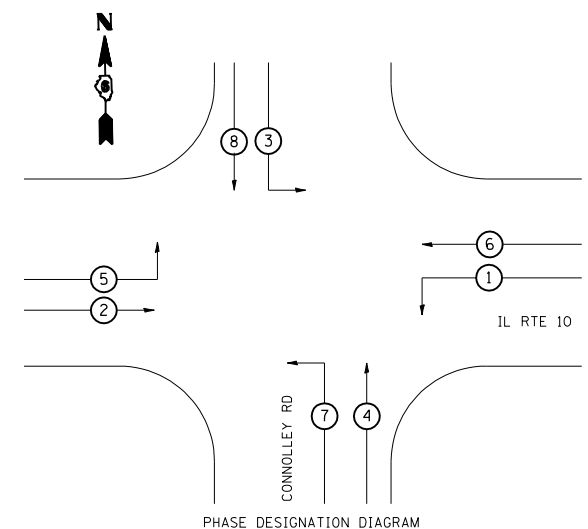
IL 10 & HEITMANN DR
LOGAN COUNTY

SCALE: VERT. HORIZ. DATE: MAY '06

DRAWN BY: KDA
CHECKED BY:

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USER NAME = laughlin-1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	VARIOUS	30	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2004-2				



TRAFFIC SIGNAL QUANTITIES

IL 10 & CONNOLLEY RD (LINCOLN)

QUANTITY	UNIT	ITEM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
6	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, LED, 3-SECTION
12	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, LED, 5-SECTION

NOTES:

- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.

PLOT DATE = 10/24/2005
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 USER NAME = laughlin-1

REVISIONS	
NAME	DATE

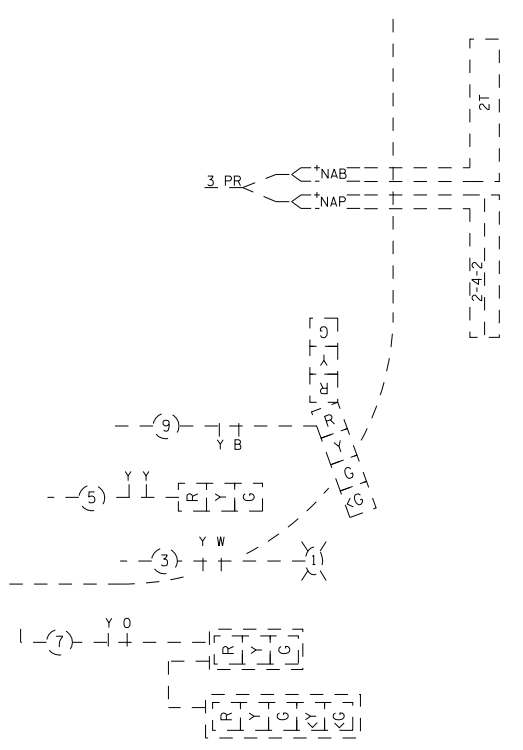
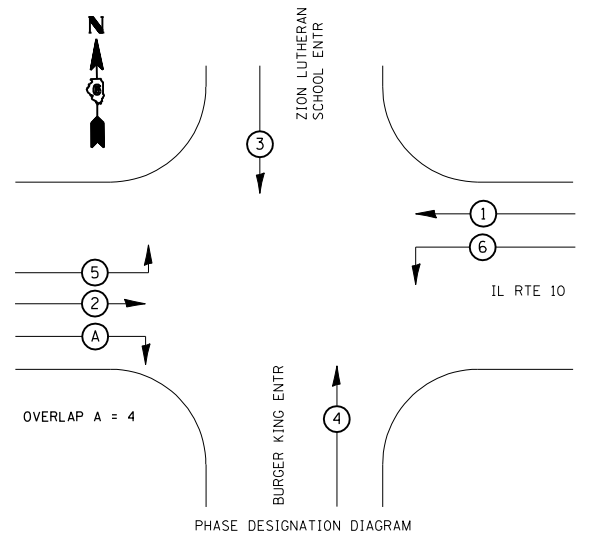
ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNALS

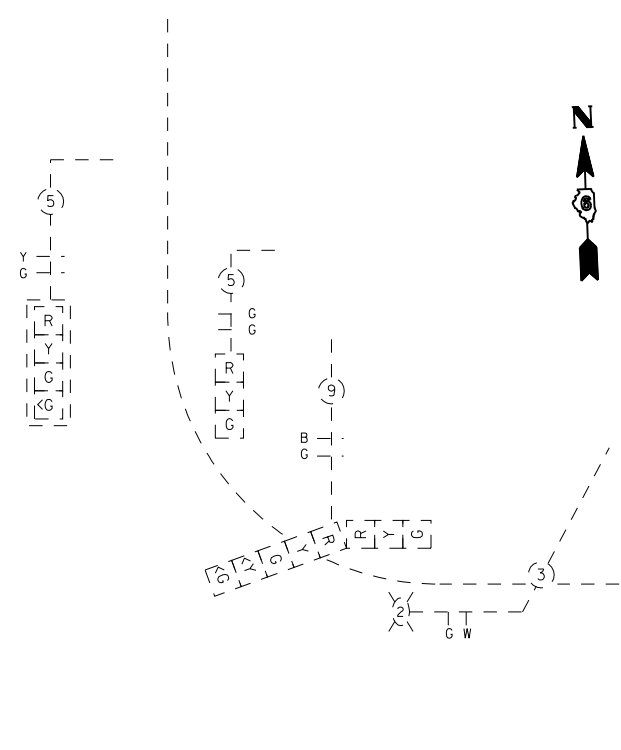
IL 10 & CONNOLLEY DR
 LOGAN COUNTY

SCALE: VERT. DRAWN BY KDA
 HORIZ. CHECKED BY
 DATE MAY '06

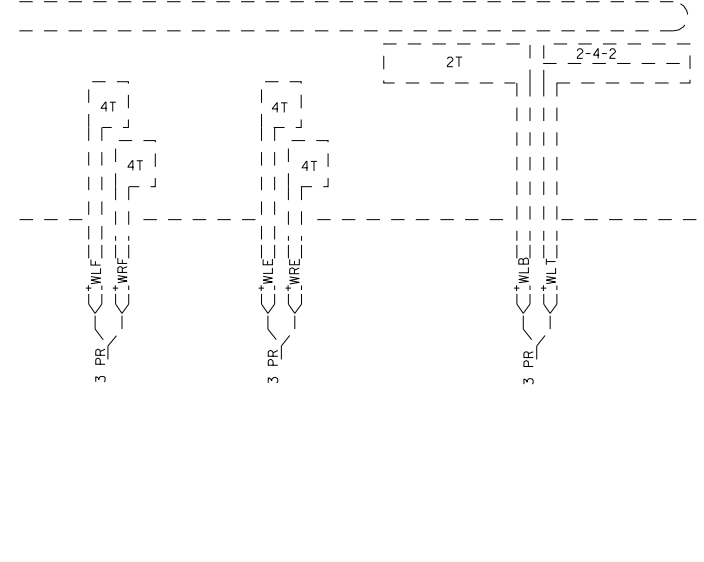
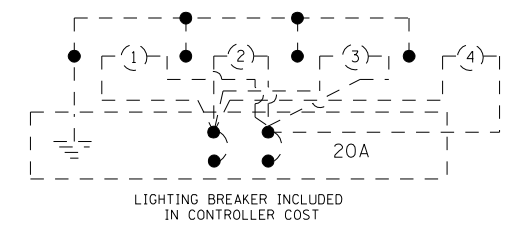
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	VARIOUS	30	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2004-2				



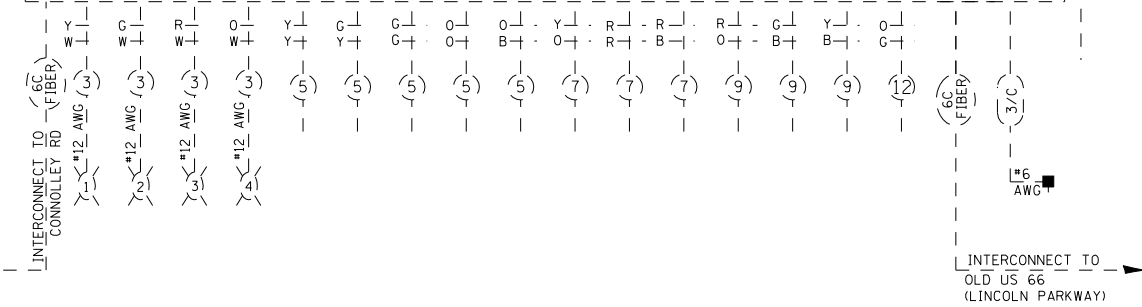
ZION LUTHERAN SCHOOL ENTR



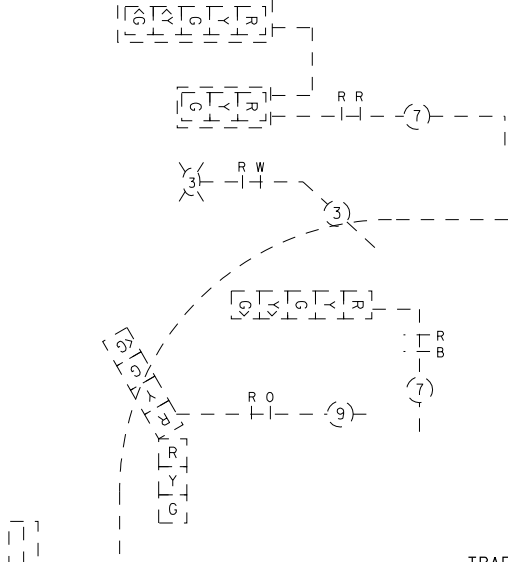
ZION LUTHERAN SCHOOL ENTR



PROPOSED CONTROLLER



BURGER KING ENTR



LOOP DETECTORS

SYSTEM CALL (S)	CALL ON GREEN ONLY	PHASE
ELF	6	6
ERF	6	6
ERE	6	6
ELE	6	6
ELT	1	1
ELB	2	2
WLF	2	2
WRF	2	2
WLE	2	2
WRE	2	2
WLB	5	5
WLT	5	5
SAP	4	4
SAB	4	4
NAB	3	3
NAP	3	3

TRAFFIC SIGNAL QUANTITIES

IL 10 & ZION LUTHERAN SCHOOL DRIVE (LINCOLN)

QUANTITY	UNIT	ITEM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
8	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
4	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 4-SECTION, LED
6	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED

NOTES:

- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

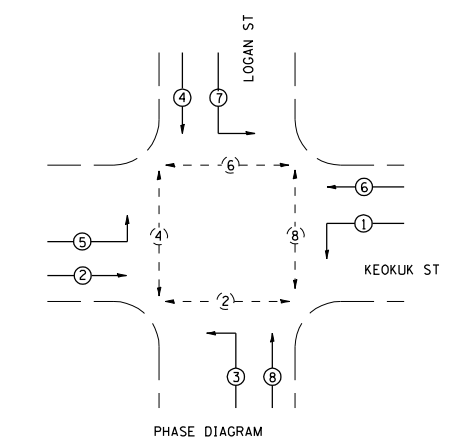
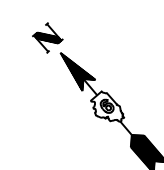
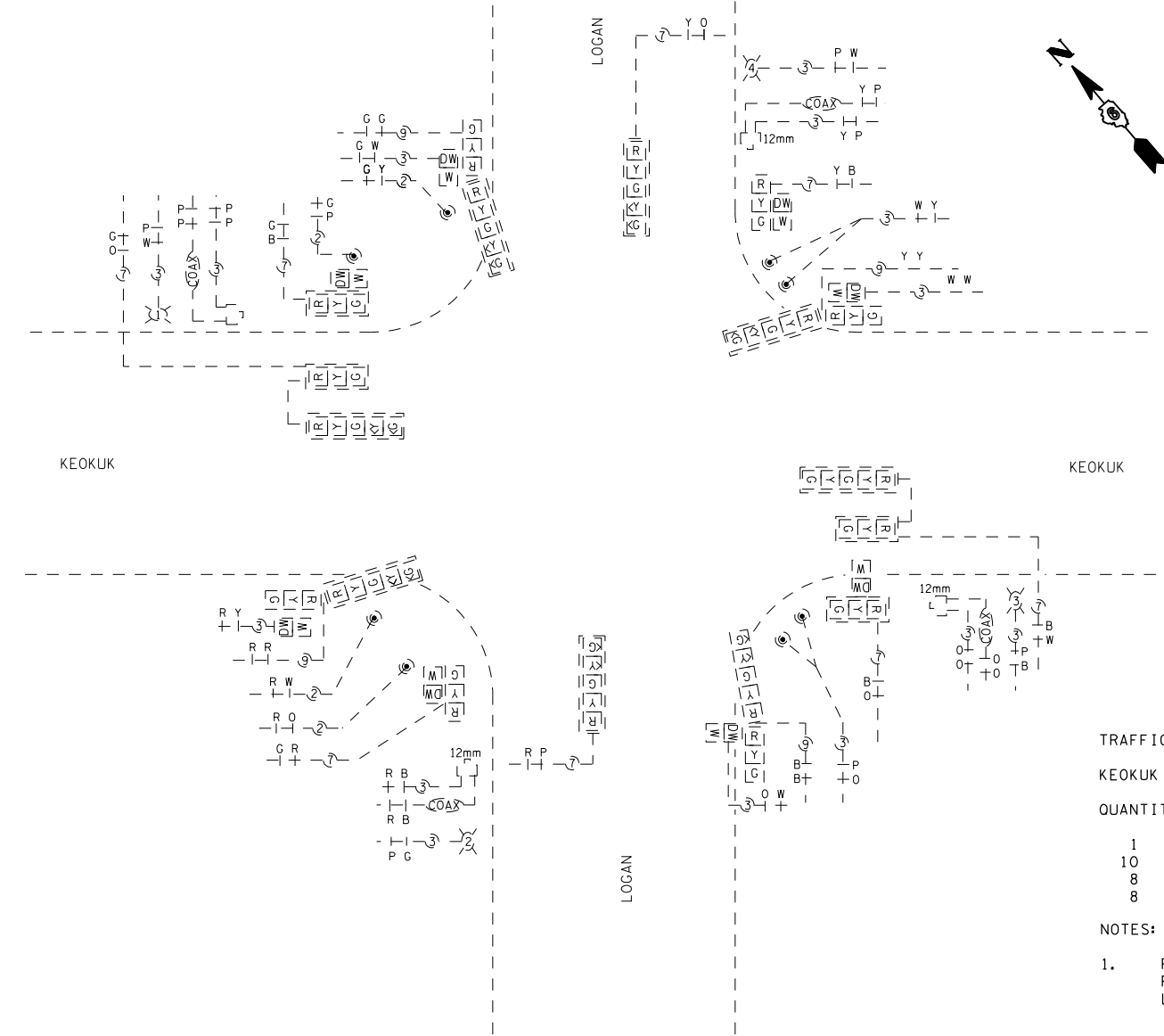
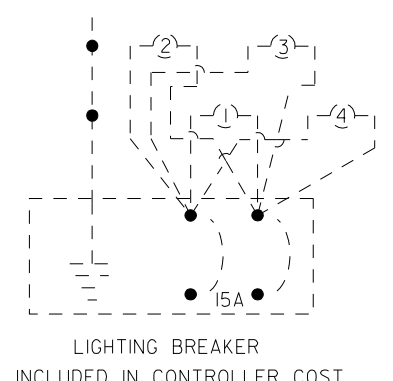
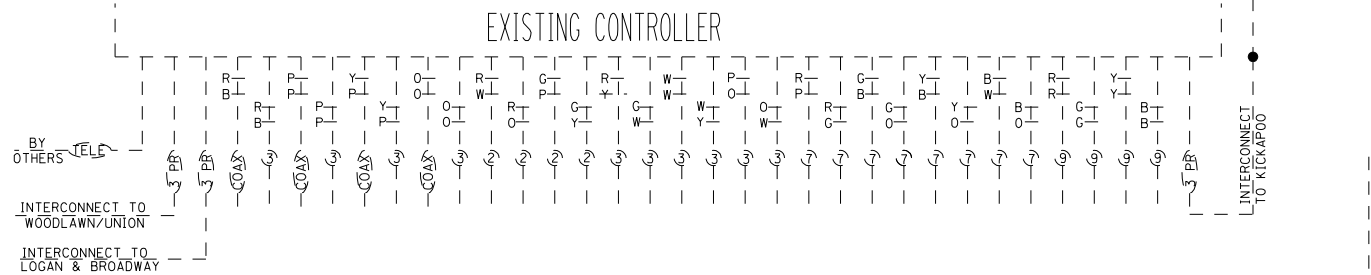
EXISTING TRAFFIC SIGNALS

IL 10 & ZION LUTHERAN SCHOOL
LOGAN COUNTY

SCALE: VERT. HORIZ. DATE: MAY '06

DRAWN BY: KDA
CHECKED BY: _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	VARIOUS	30	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2004-2				



TRAFFIC SIGNAL QUANTITIES

KEOKUK ST. & LOGAN ST. (LINCOLN)

QUANTITY	UNIT	ITEM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
10	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
8	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED
8	EACH	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD FACE, LED

NOTES:

- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.

PLOT DATE = 10/24/2006
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 USER NAME = laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNALS

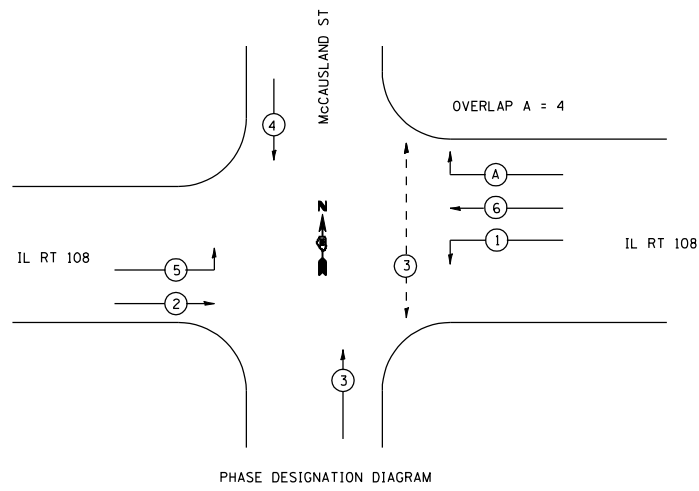
KEOKUK ST & LOGAN ST
 LOGAN COUNTY

SCALE: VERT. DRAWN BY KDA
 HORIZ. CHECKED BY
 DATE MAY '06

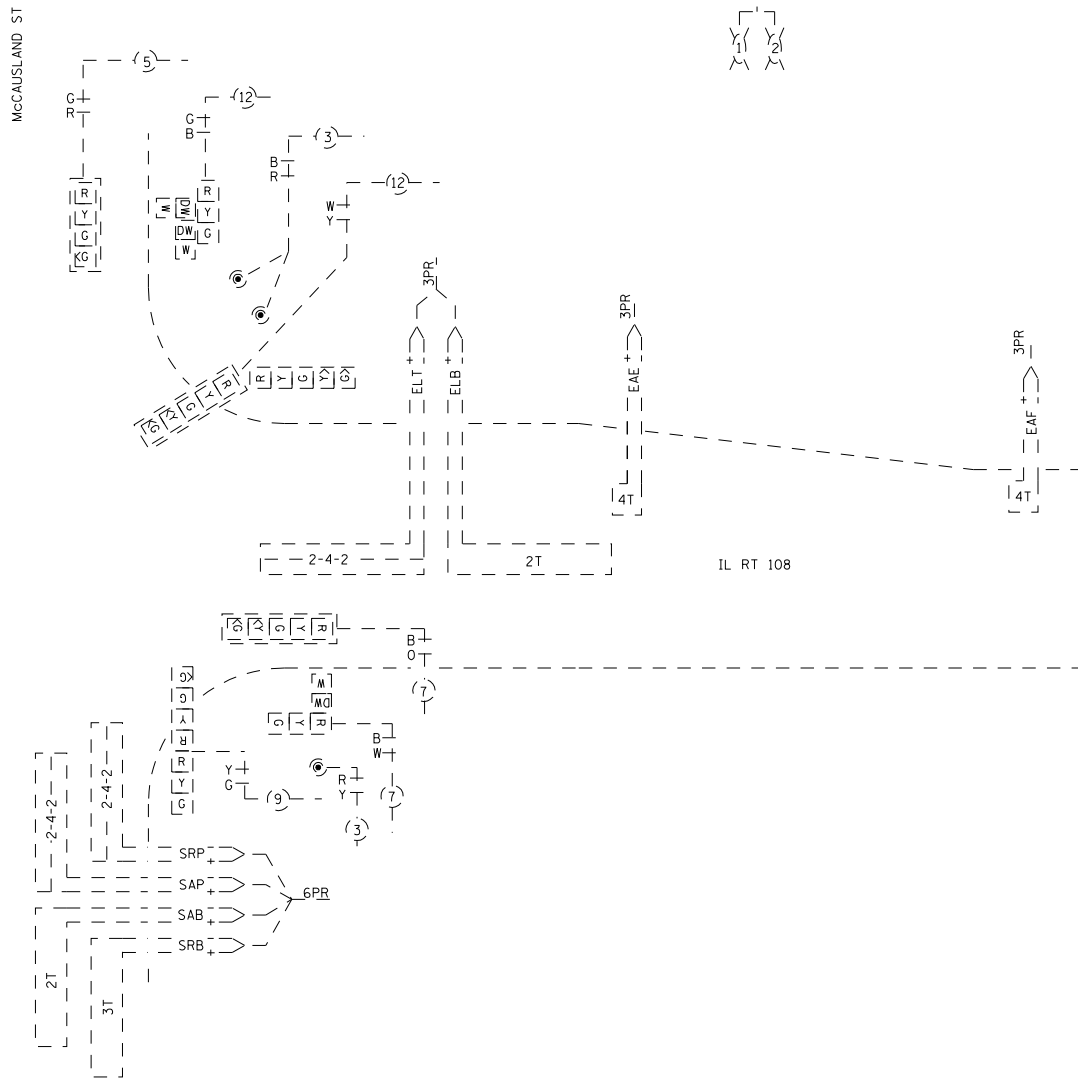
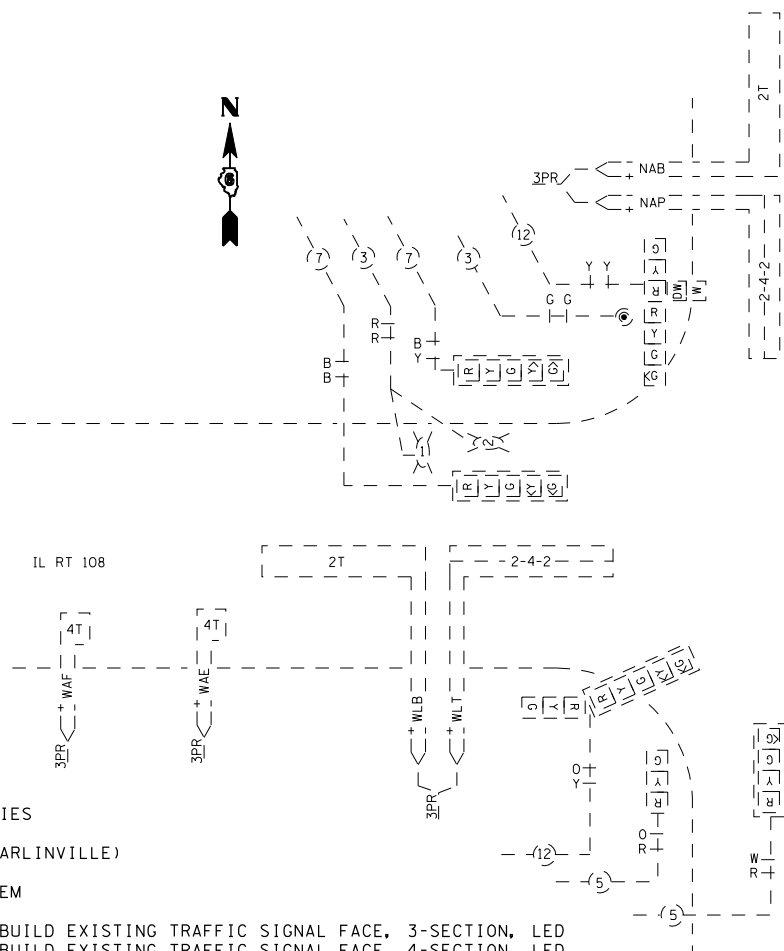
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	VARIOUS	30	12

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

• VARIOUS
 •• D-6 TRAFFIC SIGNAL MOD 2004-2

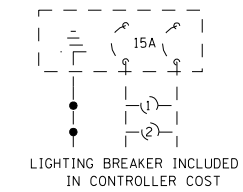


PHASE DESIGNATION DIAGRAM



PHASE	2	2	1	5	1	1	6	6	4	4	3	3	3	3
WAF	3PR													
WAE	3PR													
WLB	3PR													
WLT	3PR													
ELT	3PR													
ELB	3PR													
EAE	3PR													
EAF	3PR													
NAB	3PR													
NAP	3PR													
SRP	6PR													
SAP														
SAB														
SRB														

EXISTING CONTROLLER															
R	T	R	T	R	T	G	T	R	T	R	T	B	T	B	T
(3)	(3)	(3)	(3)	(5)	(5)	(5)	(7)	(7)	(7)	(7)	(9)	(12)	(12)	(12)	(12)
BY OTHERS															



LIGHTING BREAKER INCLUDED IN CONTROLLER COST

TRAFFIC SIGNAL QUANTITIES
 IL 108 & McCAUSLAND (CARLINVILLE)

QUANTITY	UNIT	ITEM
6	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
4	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 4-SECTION, LED
6	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED
4	EACH	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD FACE, LED

- NOTES:
- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.

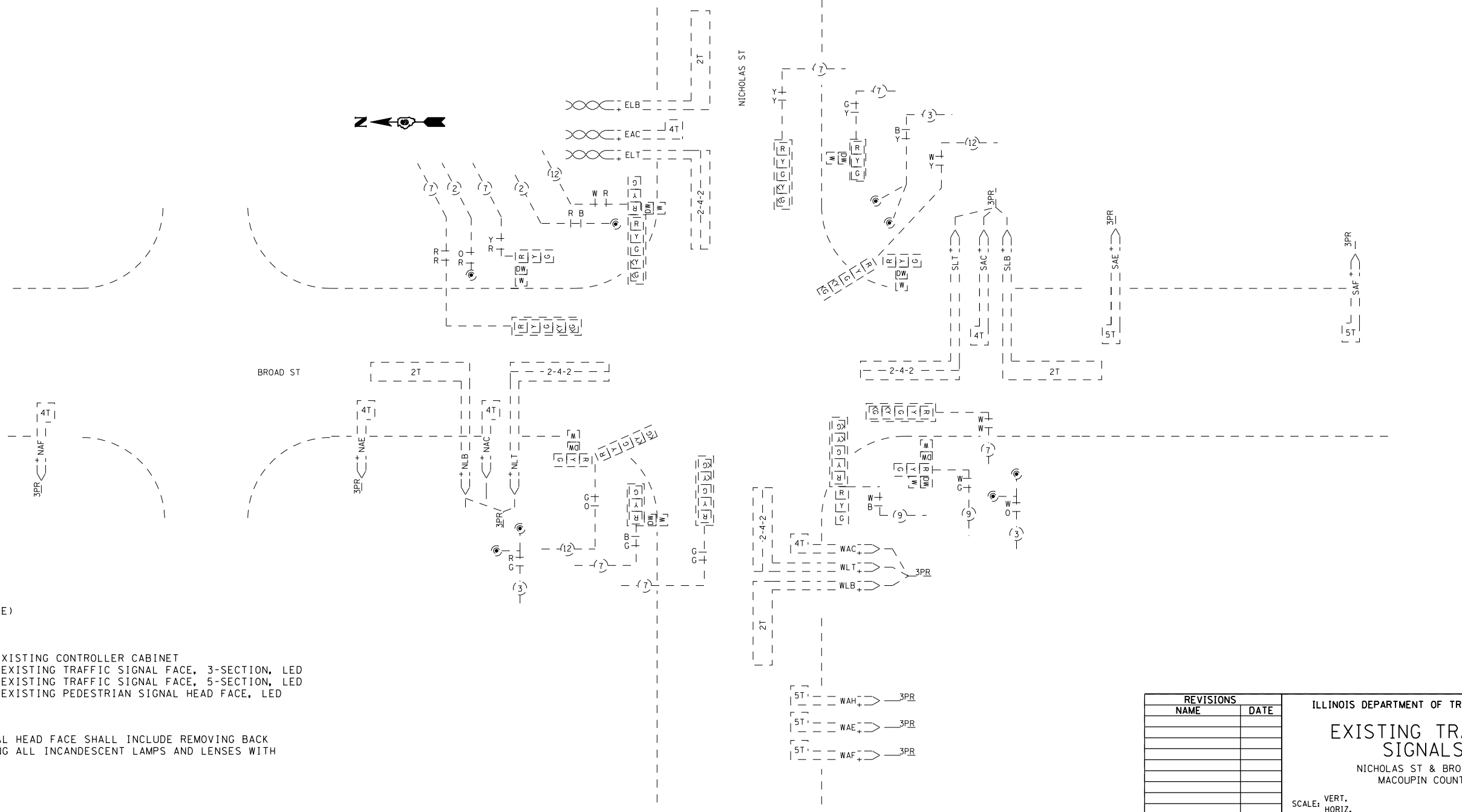
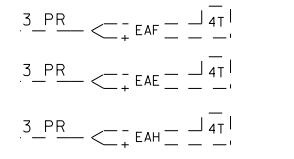
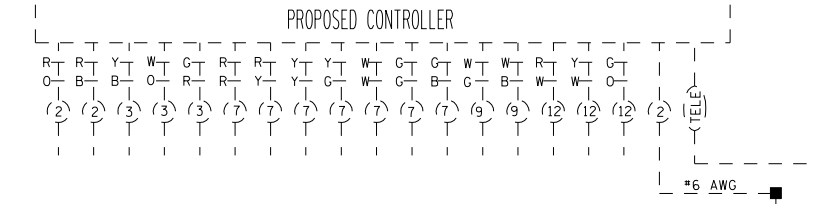
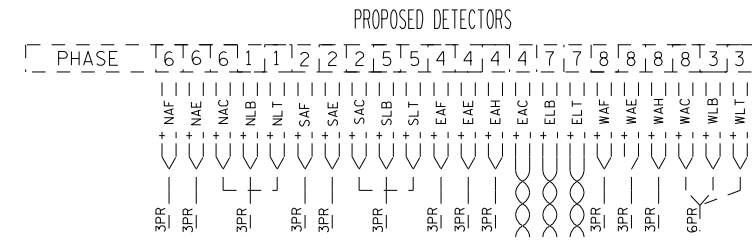
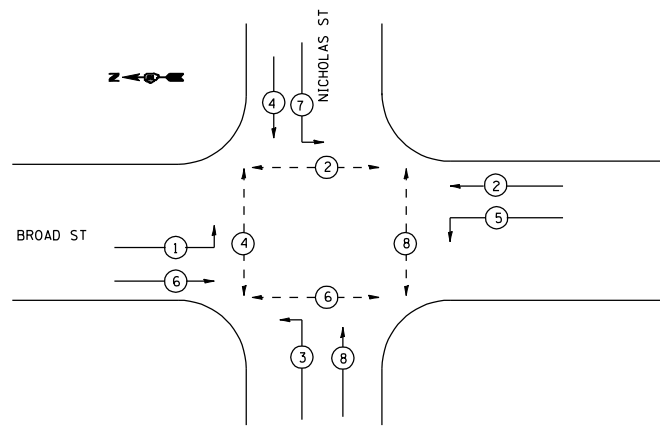
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING TRAFFIC SIGNALS
 IL 108 & McCAUSLAND DR
 MACOUPIN COUNTY

SCALE: VERT. HORIZ. DATE: MAY '06
 DRAWN BY: KDA
 CHECKED BY:

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		VARIOUS	30	13
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

VARIOUS
 D-6 TRAFFIC SIGNAL MOD 2004-2



TRAFFIC SIGNAL QUANTITIES

NICHOLAS & BROAD (CARLINVILLE)

QUANTITY	UNIT	ITEM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
8	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
8	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED
8	EACH	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD FACE, LED

NOTES:

- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATORS.

PLOT DATE = 10/25/2006
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 USER NAME = laughlin

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNALS

NICHOLAS ST & BROAD ST
 MACOUPIN COUNTY

SCALE: VERT. HORIZ. DATE: MAY '06

DRAWN BY: KDA
 CHECKED BY:

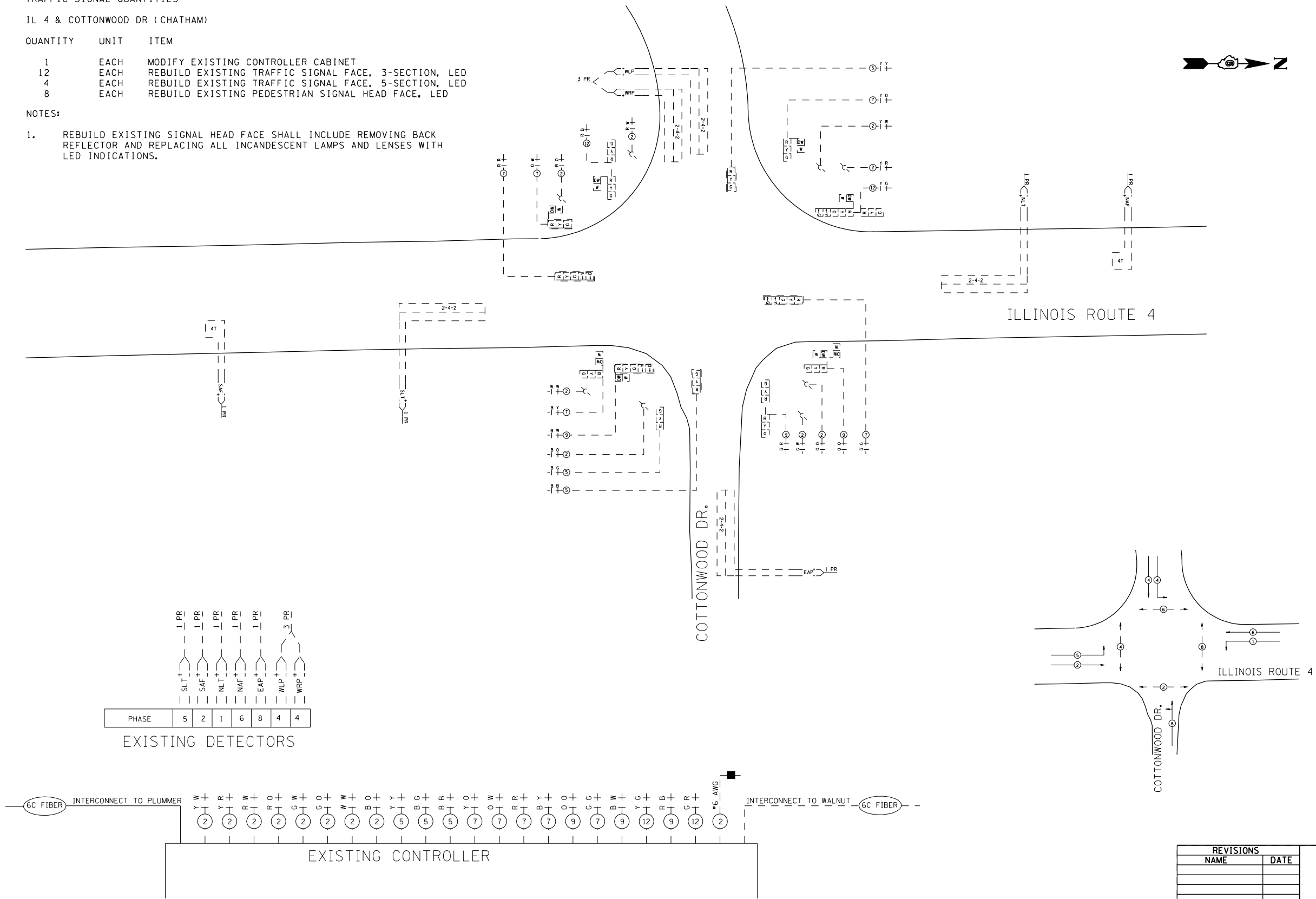
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	30	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* VARIOUS				
** D-6 TRAFFIC SIGNAL MOD 2004-2				

TRAFFIC SIGNAL QUANTITIES
IL 4 & COTTONWOOD DR (CHATHAM)

QUANTITY	UNIT	ITEM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
12	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
4	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED
8	EACH	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD FACE, LED

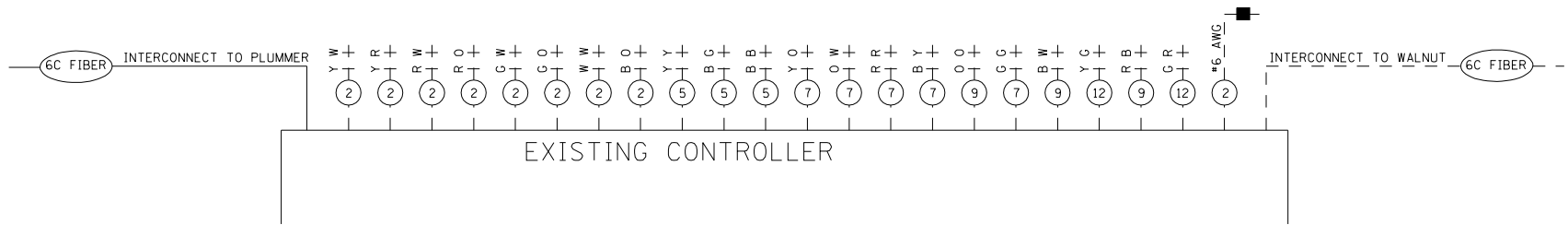
NOTES:

- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.



PHASE	5	2	1	6	8	4	4
SLT	1 PR	1 PR	1 PR	1 PR	1 PR	3 PR	3 PR
SAF							
NLT							
NAF							
EAP							
WLP							
WRP							

EXISTING DETECTORS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING TRAFFIC SIGNALS
IL 4 & COTTONWOOD DR
SANGAMON COUNTY

SCALE: VERT. DRAWN BY KDA
HORIZ. CHECKED BY
DATE MAY '06

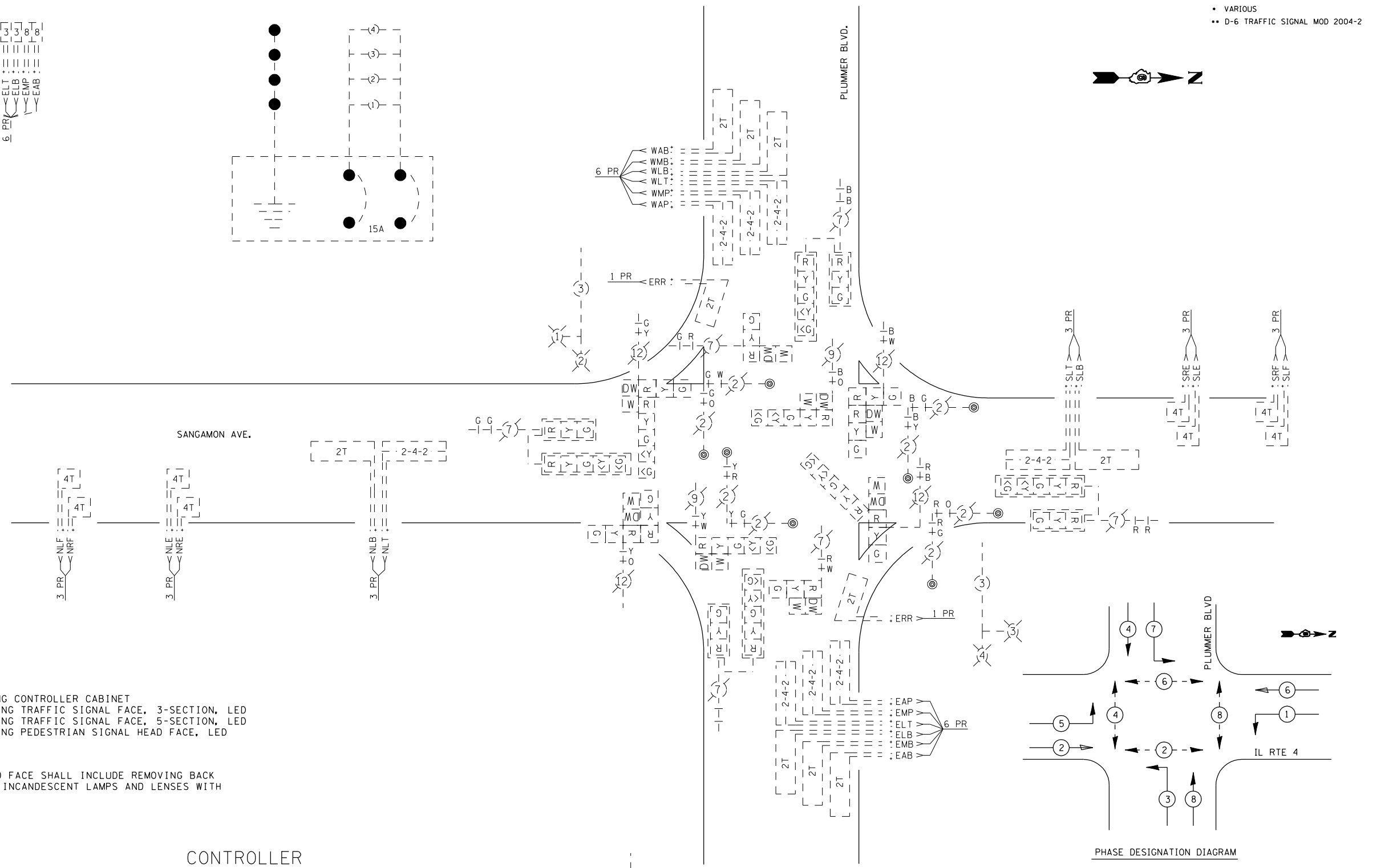
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USER NAME = laughlin-1

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•	••	VARIOUS	30	15
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- VARIOUS
- D-6 TRAFFIC SIGNAL MOD 2004-2

DETECTORS

PHASE	2	2	5	6	6	1	4	4	7	4	4	8	8	3	8
	NLF	NRF	NLE	NRE	NLT	NLB	SLE	SRE	SLB	WAB	WLB	WLT	WMB	WMP	WAP
	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	6 PR	1 PR	1 PR	1 PR	1 PR	1 PR	1 PR	1 PR	6 PR



TRAFFIC SIGNAL QUANTITIES

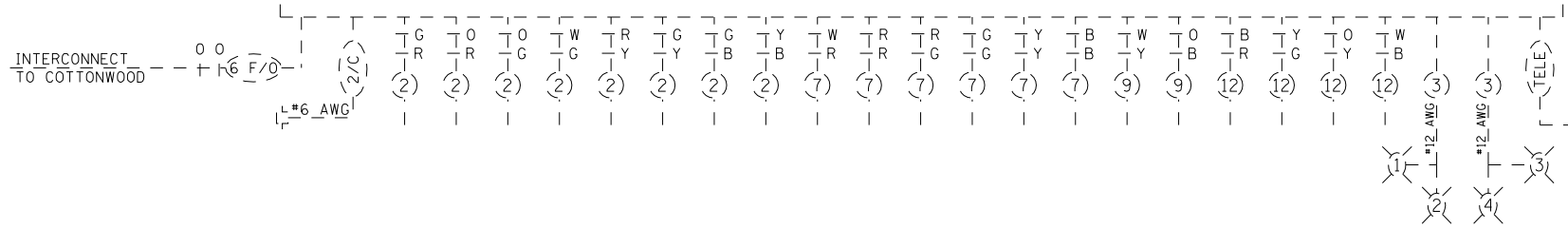
IL 4 & PLUMMER BLVD (CHATHAM)

QUANTITY	UNIT	ITEM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
12	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
8	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED
8	EACH	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD FACE, LED

NOTES:

- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.

CONTROLLER



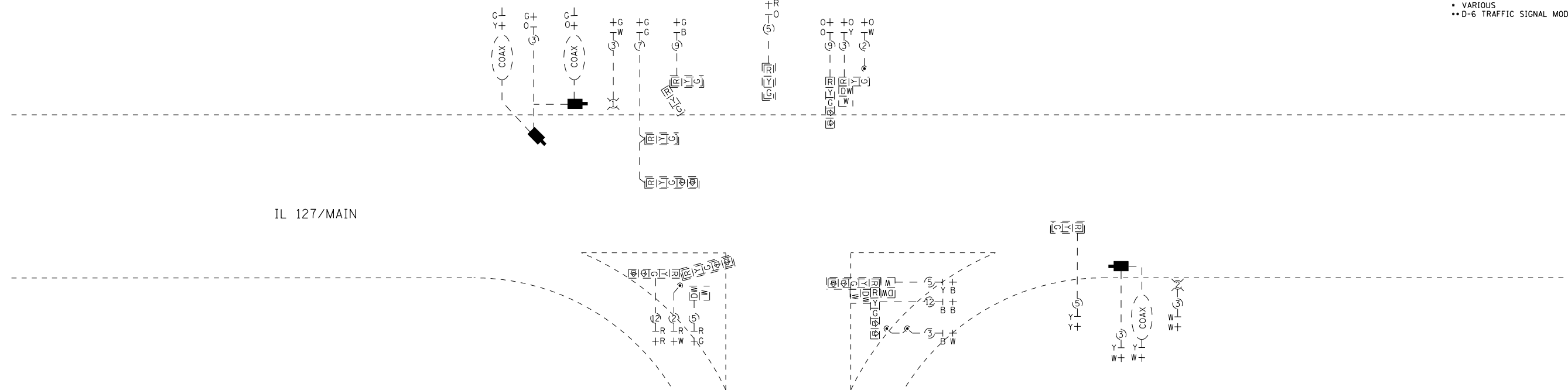
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING TRAFFIC SIGNALS
 IL 4 & PLUMMER BLVD
 SANGAMON COUNTY

SCALE: VERT. HORIZ.
 DATE: MAY '06
 DRAWN BY: KDA
 CHECKED BY:

PLOT DATE = 10/24/2006
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 USER NAME = laughlin

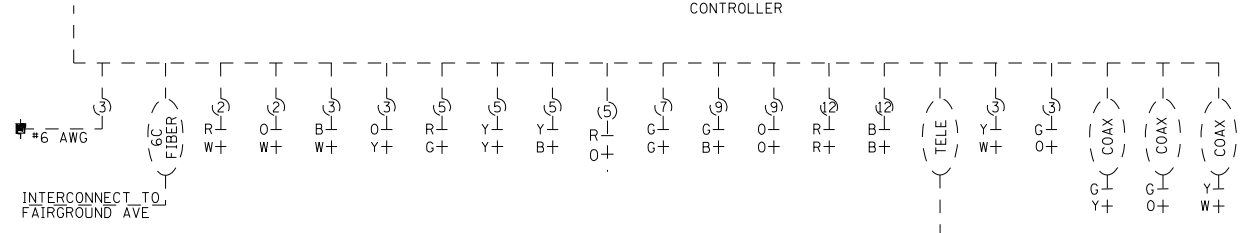
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.	..	VARIOUS	30	16
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2004-2				



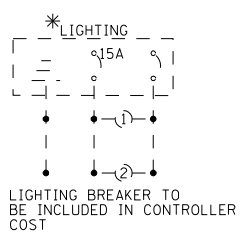
IL 127/MAIN

IL 16/SCHOOL ST

CONTROLLER



INTERCONNECT TO FAIRGROUND AVE



* BY OTHERS

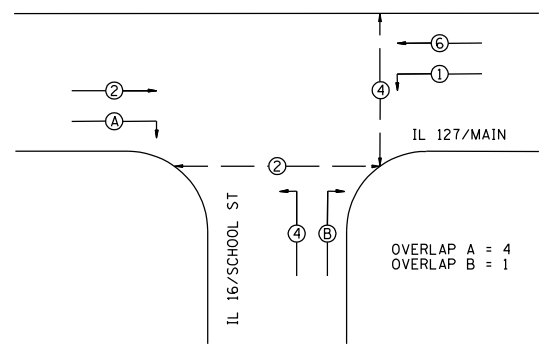
TRAFFIC SIGNAL QUANTITIES

MAIN & SCHOOL (HILLSBORO)

QUANTITY	UNIT	ITEM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
5	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
6	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED
4	EACH	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD FACE, LED

NOTES:

- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.



OVERLAP A = 4
OVERLAP B = 1

PHASE DESIGNATION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNALS

MAIN ST & SCHOOL ST
MONTGOMERY COUNTY

SCALE: VERT. HORIZ. DATE: MAY '06

DRAWN BY: KDA
CHECKED BY:

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	VARIOUS	30	17
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2004-2				

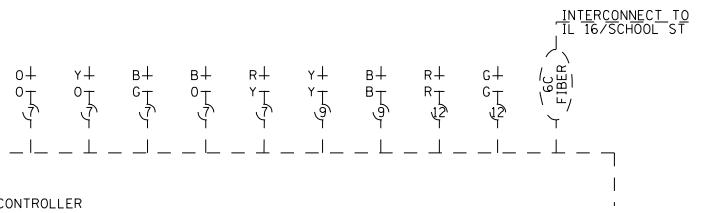
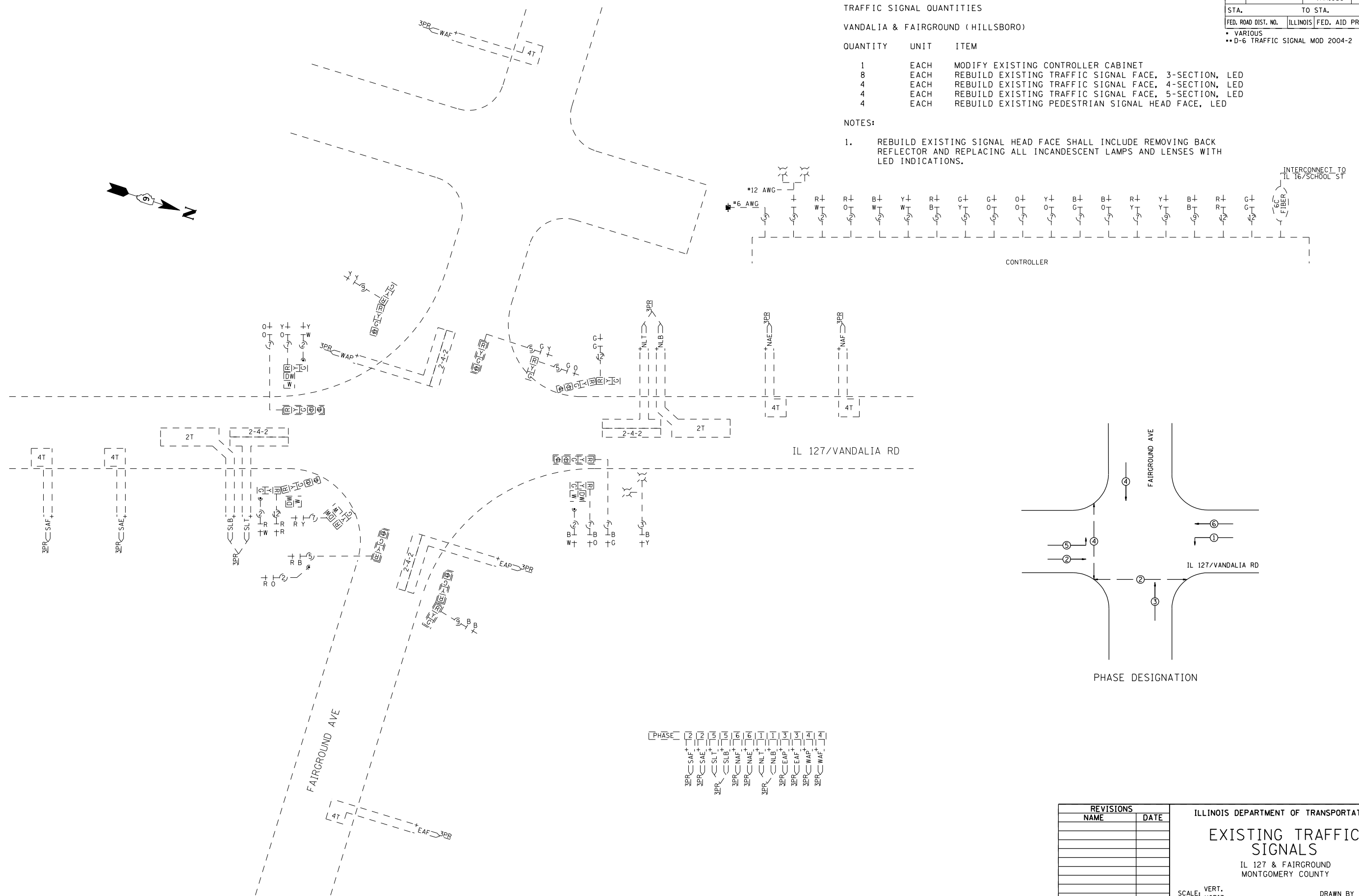
TRAFFIC SIGNAL QUANTITIES

VANDALIA & FAIRGROUND (HILLSBORO)

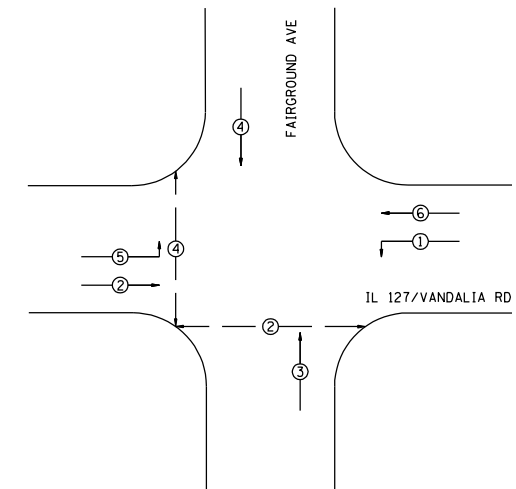
QUANTITY	UNIT	ITEM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
8	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
4	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 4-SECTION, LED
4	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED
4	EACH	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD FACE, LED

NOTES:

- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.



CONTROLLER



PHASE DESIGNATION

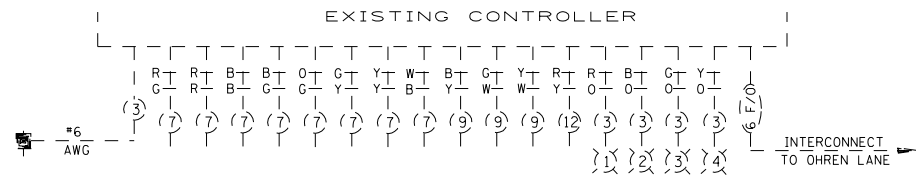
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
3PR	SAF	SAE	SLT	NAF	NAE	NLT	NLB	EAF	EAP	WAF	WAP	WAF+

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING TRAFFIC SIGNALS
 IL 127 & FAIRGROUND
 MONTGOMERY COUNTY

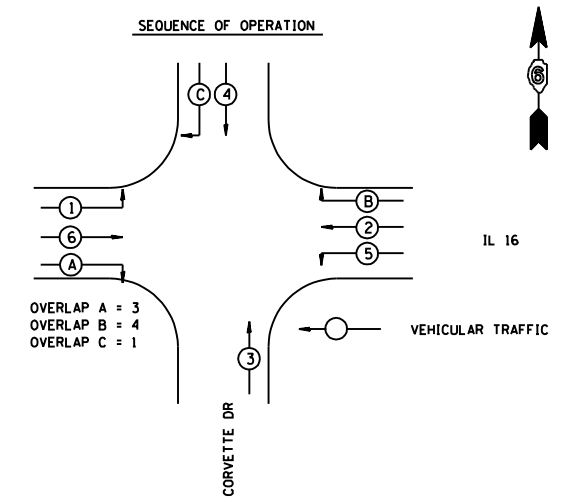
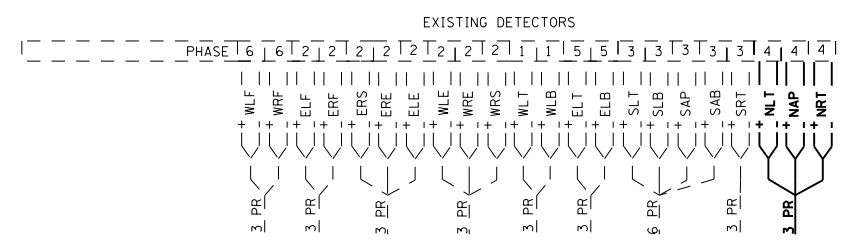
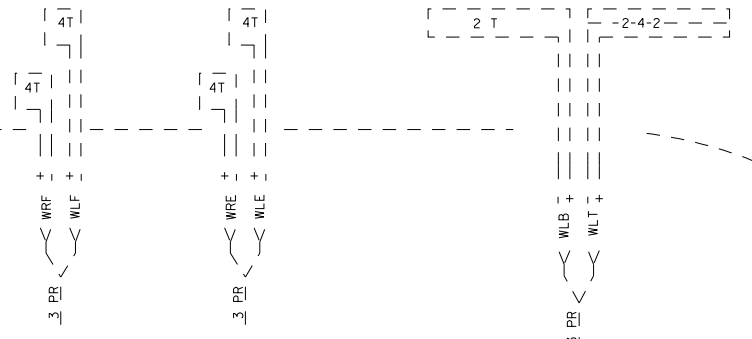
SCALE: VERT. HORIZ. DATE: MAY '06 DRAWN BY: KDA CHECKED BY:

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	30	18
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* VARIOUS				
** D-6 TRAFFIC SIGNAL MOD 2004-2				



CORVETTE DR

IL 16



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNALS

IL 16 & CORVETTE DR
MONTGOMERY COUNTY

SCALE: VERT. DRAWN BY: KDA
HORIZ. CHECKED BY:
DATE: MAY '06

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	30	19
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* VARIOUS				
** D-6 TRAFFIC SIGNAL MOD 2004-2				

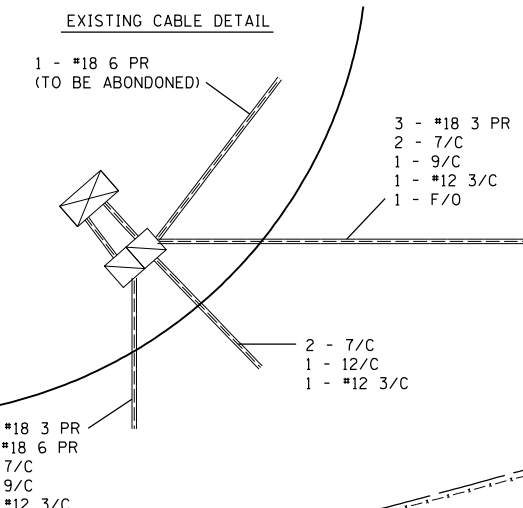
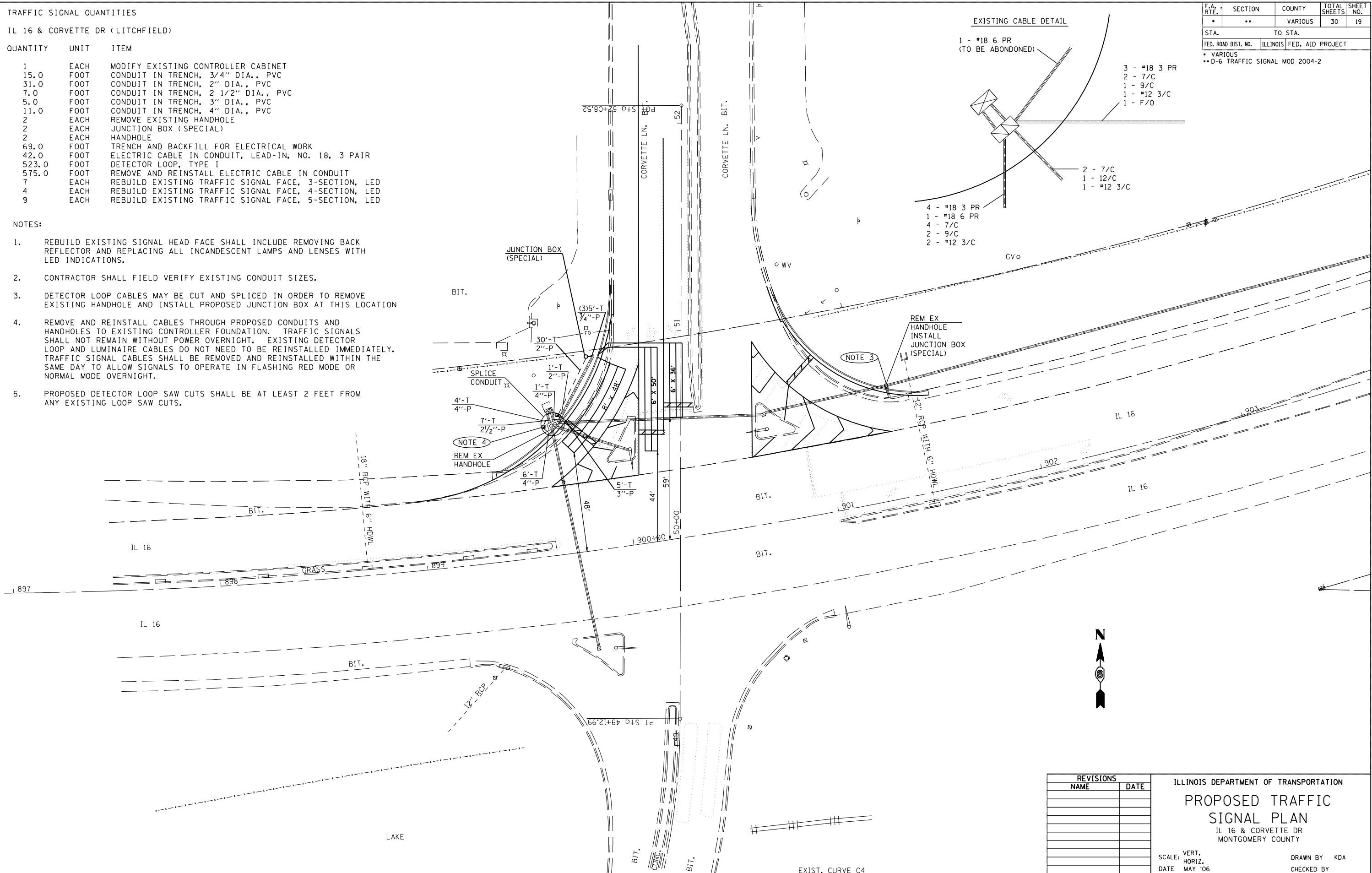
TRAFFIC SIGNAL QUANTITIES

IL 16 & CORVETTE DR (LITCHFIELD)

QUANTITY	UNIT	ITEM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
15.0	FOOT	CONDUIT IN TRENCH, 3/4" DIA., PVC
31.0	FOOT	CONDUIT IN TRENCH, 2" DIA., PVC
7.0	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., PVC
5.0	FOOT	CONDUIT IN TRENCH, 3" DIA., PVC
11.0	FOOT	CONDUIT IN TRENCH, 4" DIA., PVC
2	EACH	REMOVE EXISTING HANDHOLE
2	EACH	JUNCTION BOX (SPECIAL)
2	EACH	HANDHOLE
69.0	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
42.0	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18, 3 PAIR
523.0	FOOT	DETECTOR LOOP, TYPE I
575.0	FOOT	REMOVE AND REINSTALL ELECTRIC CABLE IN CONDUIT
7	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
4	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 4-SECTION, LED
9	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED

NOTES:

- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDUIT SIZES.
- DETECTOR LOOP CABLES MAY BE CUT AND SPLICED IN ORDER TO REMOVE EXISTING HANDHOLE AND INSTALL PROPOSED JUNCTION BOX AT THIS LOCATION
- REMOVE AND REINSTALL CABLES THROUGH PROPOSED CONDUITS AND HANDHOLES TO EXISTING CONTROLLER FOUNDATION. TRAFFIC SIGNALS SHALL NOT REMAIN WITHOUT POWER OVERNIGHT. EXISTING DETECTOR LOOP AND LUMINAIRE CABLES DO NOT NEED TO BE REINSTALLED IMMEDIATELY. TRAFFIC SIGNAL CABLES SHALL BE REMOVED AND REINSTALLED WITHIN THE SAME DAY TO ALLOW SIGNALS TO OPERATE IN FLASHING RED MODE OR NORMAL MODE OVERNIGHT.
- PROPOSED DETECTOR LOOP SAW CUTS SHALL BE AT LEAST 2 FEET FROM ANY EXISTING LOOP SAW CUTS.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLAN

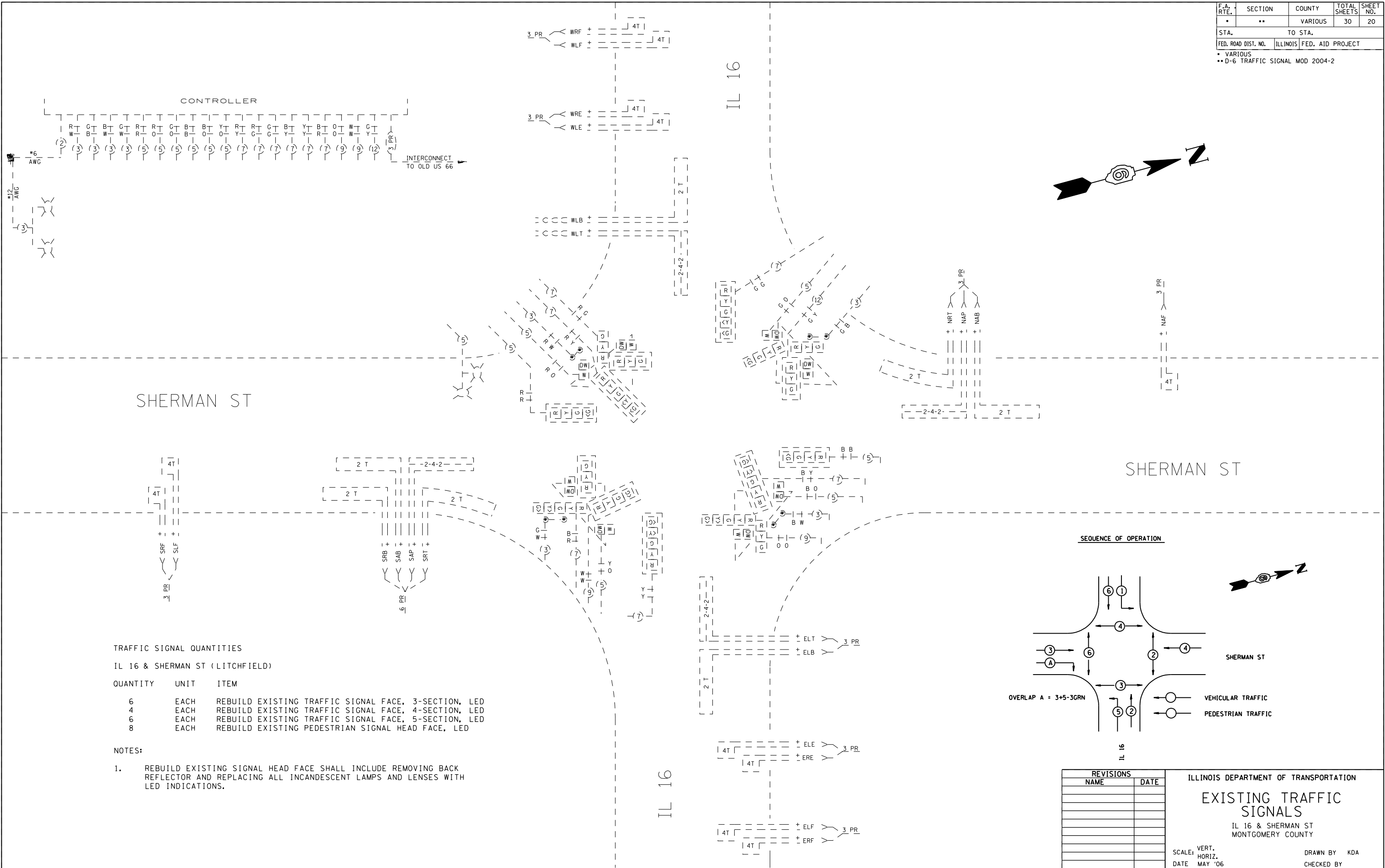
IL 16 & CORVETTE DR
MONTGOMERY COUNTY

SCALE: VERT. HORIZ.
DATE: MAY '06

DRAWN BY: KDA
CHECKED BY:

PLOT DATE = 10/24/2005
FILE NAME = c:\p\projects\652884\ts\sheet3.m32
PLOT SCALE = 42,352% / IN.
USER NAME = laughlin-1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	30	20
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* VARIOUS				
** D-6 TRAFFIC SIGNAL MOD 2004-2				



SHERMAN ST

SHERMAN ST

IL 16

TRAFFIC SIGNAL QUANTITIES

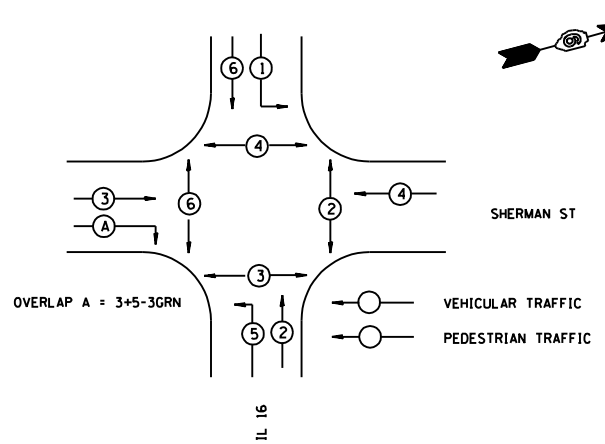
IL 16 & SHERMAN ST (LITCHFIELD)

QUANTITY	UNIT	ITEM
6	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
4	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 4-SECTION, LED
6	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED
8	EACH	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD FACE, LED

NOTES:

- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.

SEQUENCE OF OPERATION



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

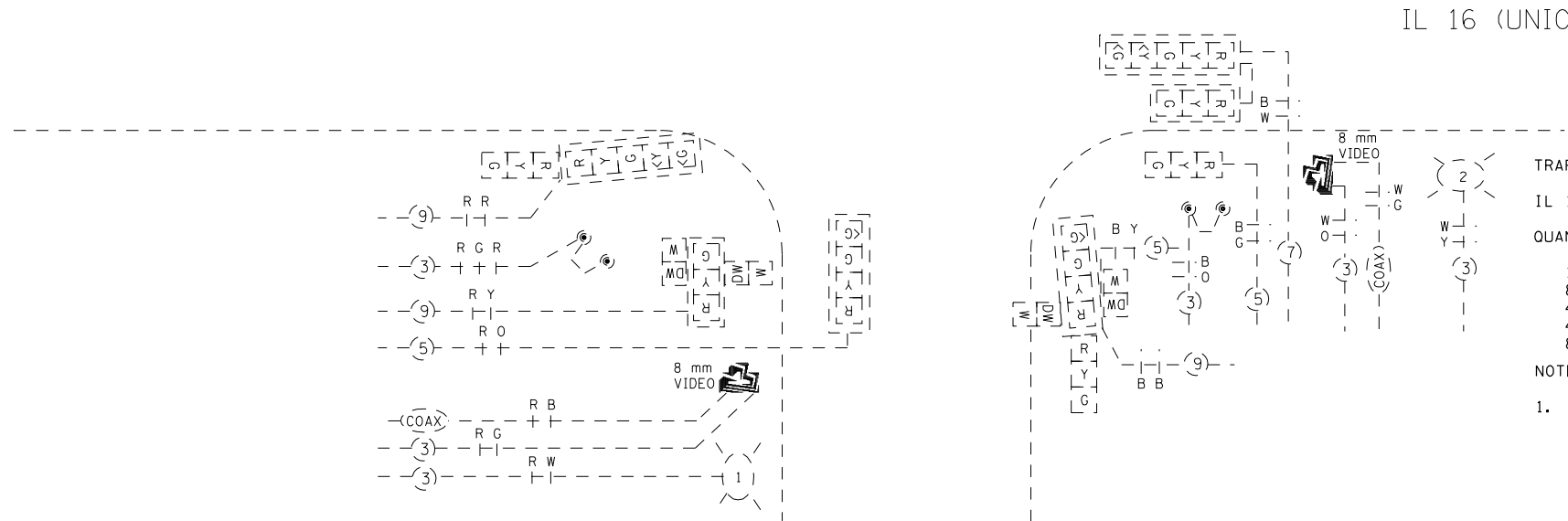
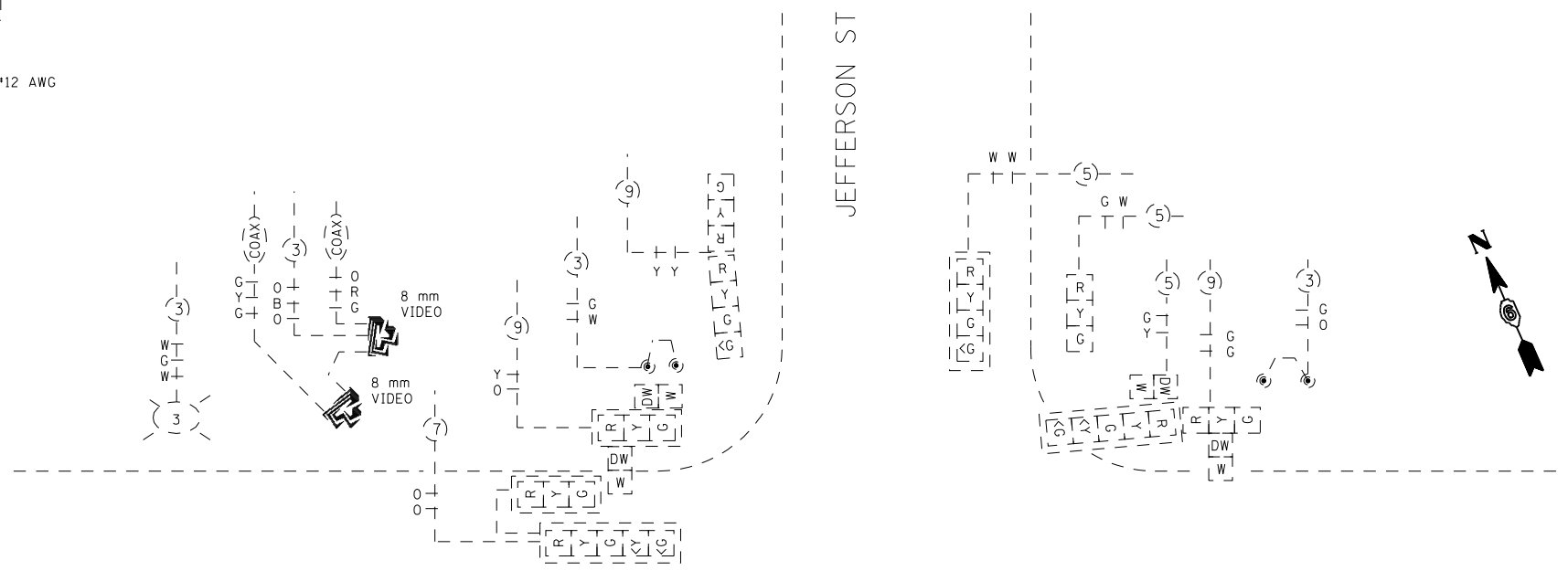
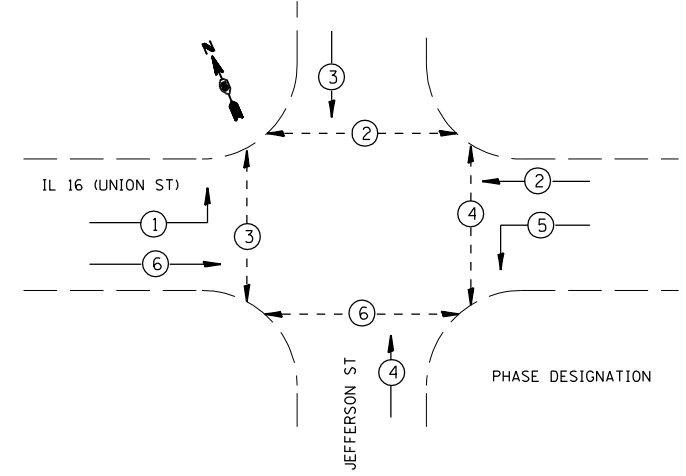
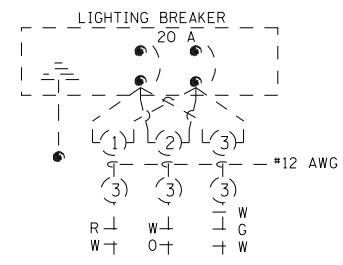
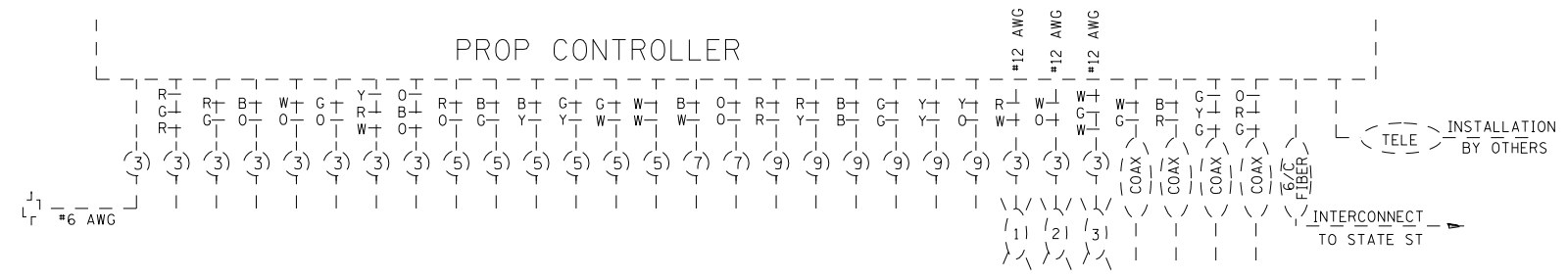
EXISTING TRAFFIC SIGNALS

IL 16 & SHERMAN ST
MONTGOMERY COUNTY

SCALE: VERT. DRAWN BY: KDA
 HORIZ. CHECKED BY:
 DATE: MAY '06

PLOT DATE = 10/24/2006
 FILE NAME = c:\p\projects\652884\ts\sheet3.m32
 PLOT SCALE = 42.3525 / IN.
 USER NAME = laughlin-1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	VARIOUS	30	21
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2004-2				



TRAFFIC SIGNAL QUANTITIES

IL 16 & JEFFERSON ST (LITCHFIELD)

QUANTITY	UNIT	ITEM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
8	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
4	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 4-SECTION, LED
4	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED
8	EACH	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD FACE, LED

- NOTES:
- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

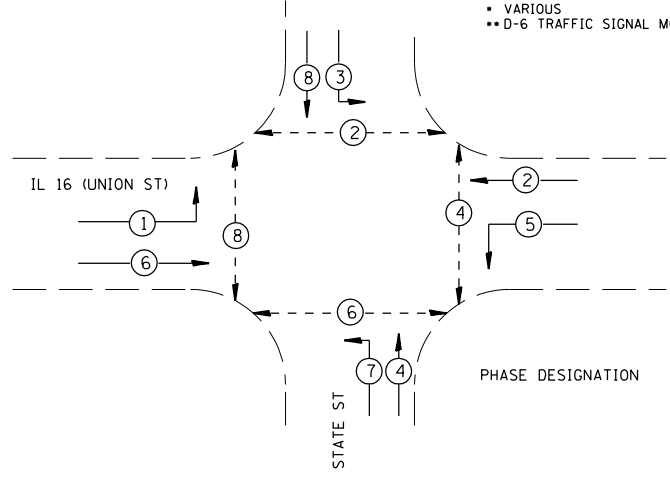
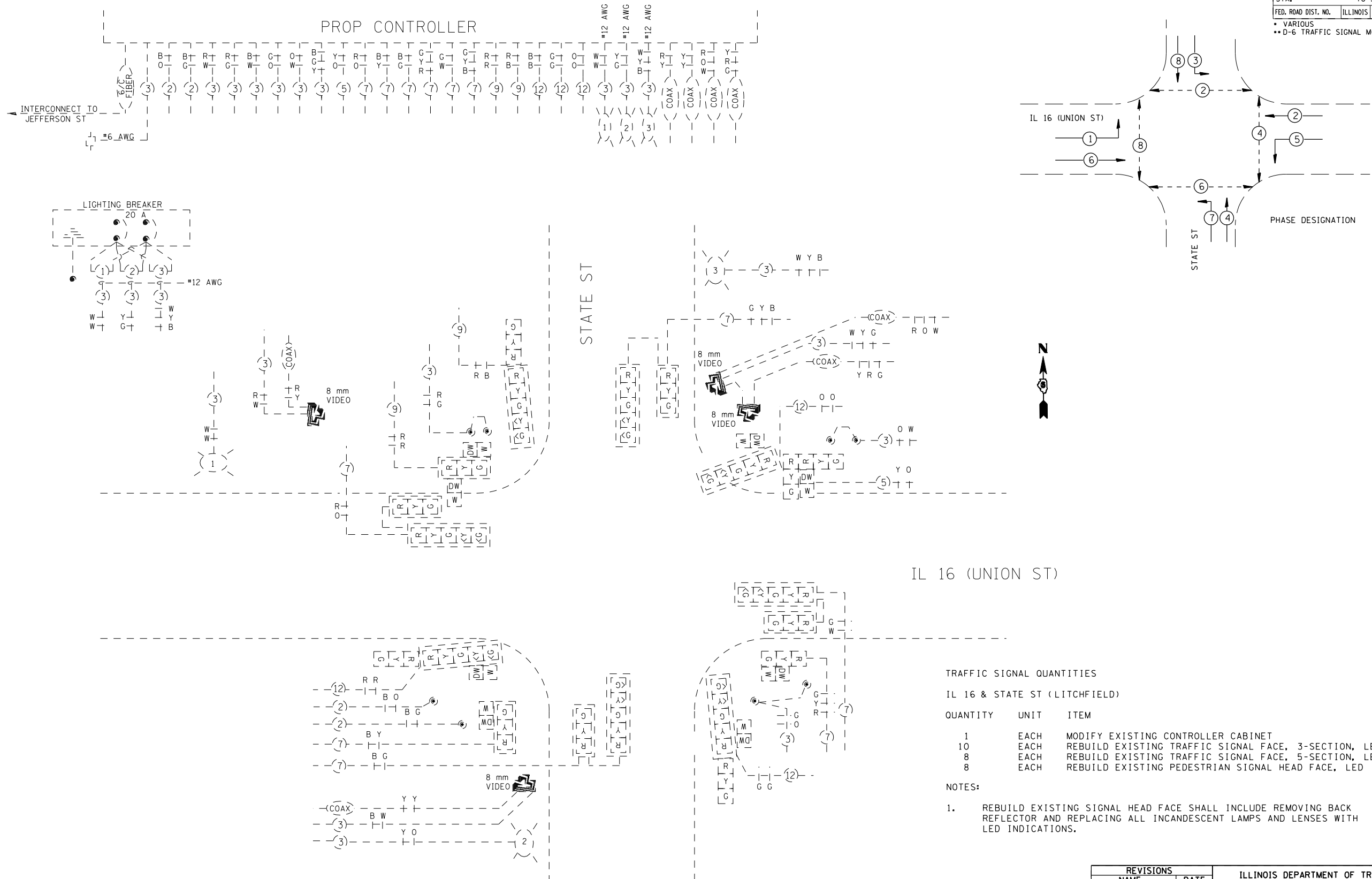
EXISTING TRAFFIC SIGNALS

IL 16 & JEFFERSON ST
MONTGOMERY COUNTY

SCALE: VERT. HORIZ. DATE MAY '06

DRAWN BY KDA
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	VARIOUS	30	22
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2004-2				



IL 16 (UNION ST)

TRAFFIC SIGNAL QUANTITIES

IL 16 & STATE ST (LITCHFIELD)

QUANTITY	UNIT	ITEM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
10	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
8	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED
8	EACH	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD FACE, LED

NOTES:

- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNALS

IL 16 & STATE ST
MONTGOMERY COUNTY

SCALE: VERT. DRAWN BY: KDA
 HORIZ. CHECKED BY:
 DATE: MAY '06

PLOT DATE = 10/24/2006
 FILE NAME = c:\projects\652884\ts_sheets.m32
 PLOT SCALE = 42,352% / IN.
 USER NAME = laughlin-1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	VARIOUS	30	23
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• VARIOUS				
•• D-6 TRAFFIC SIGNAL MOD 2004-2				

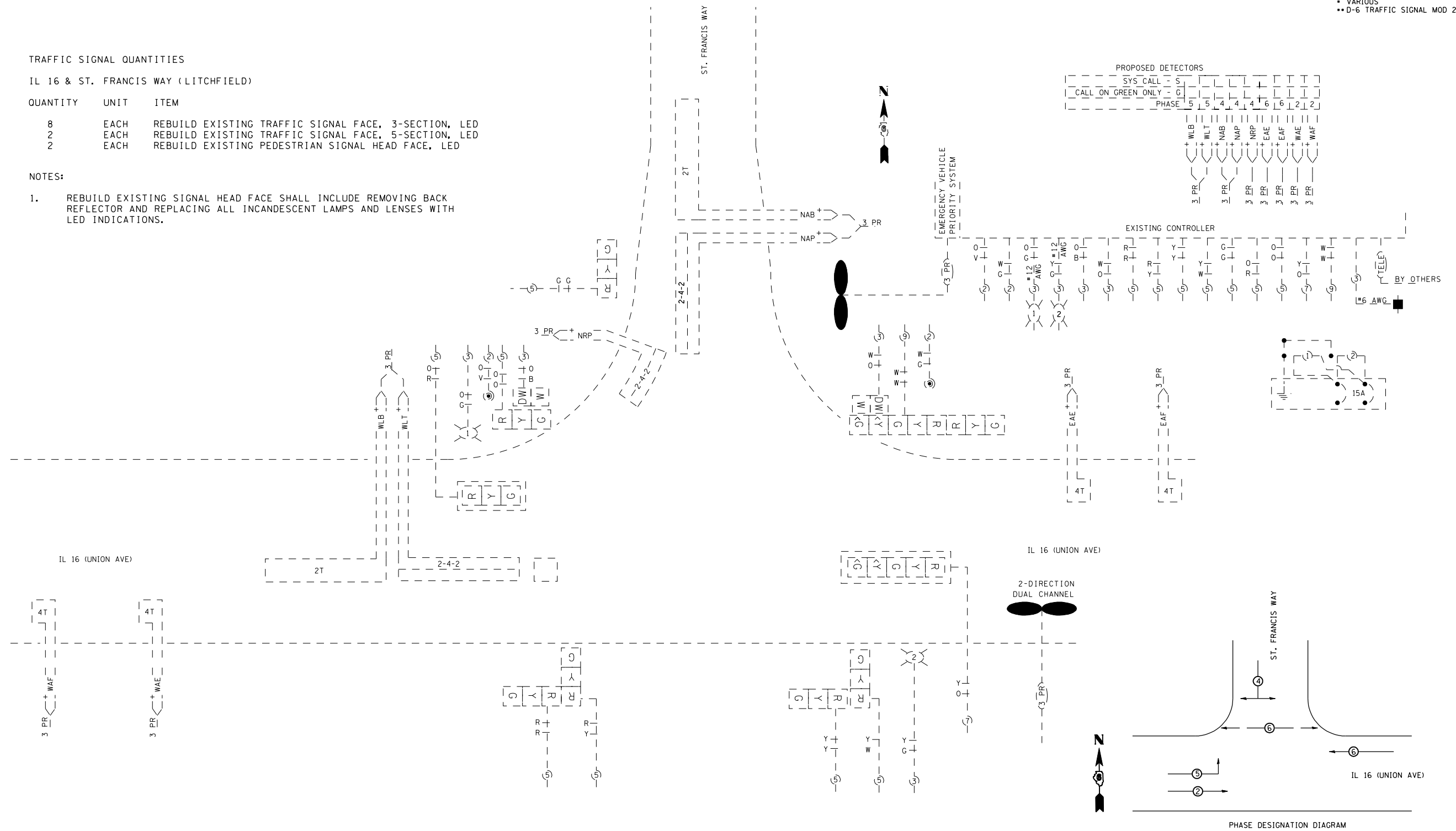
TRAFFIC SIGNAL QUANTITIES

IL 16 & ST. FRANCIS WAY (LITCHFIELD)

QUANTITY	UNIT	ITEM
8	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 3-SECTION, LED
2	EACH	REBUILD EXISTING TRAFFIC SIGNAL FACE, 5-SECTION, LED
2	EACH	REBUILD EXISTING PEDESTRIAN SIGNAL HEAD FACE, LED

NOTES:

- REBUILD EXISTING SIGNAL HEAD FACE SHALL INCLUDE REMOVING BACK REFLECTOR AND REPLACING ALL INCANDESCENT LAMPS AND LENSES WITH LED INDICATIONS.



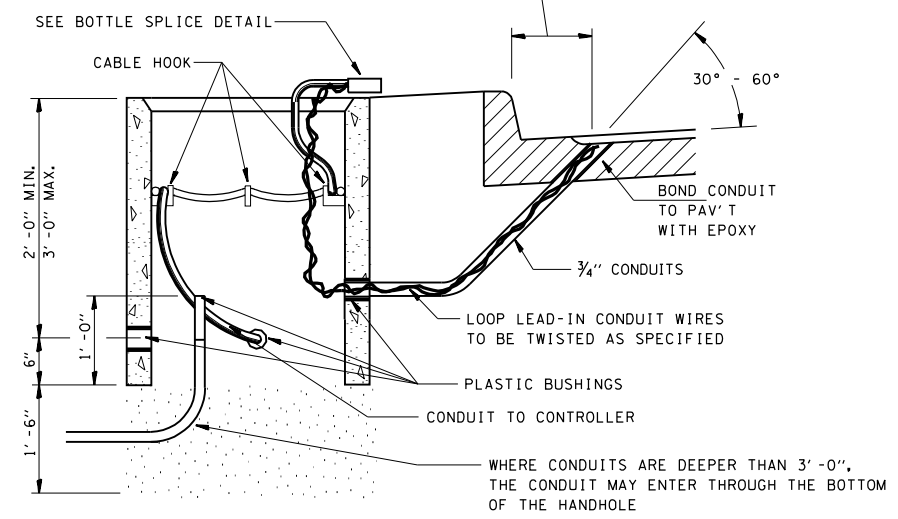
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING TRAFFIC SIGNALS
 IL 16 & ST FRANCIS WAY
 MONTGOMERY COUNTY
 SCALE: VERT. DRAWN BY KDA
 HORIZ. CHECKED BY
 DATE MAY '06

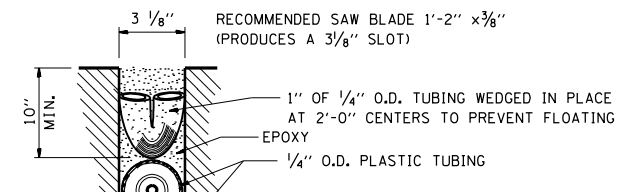
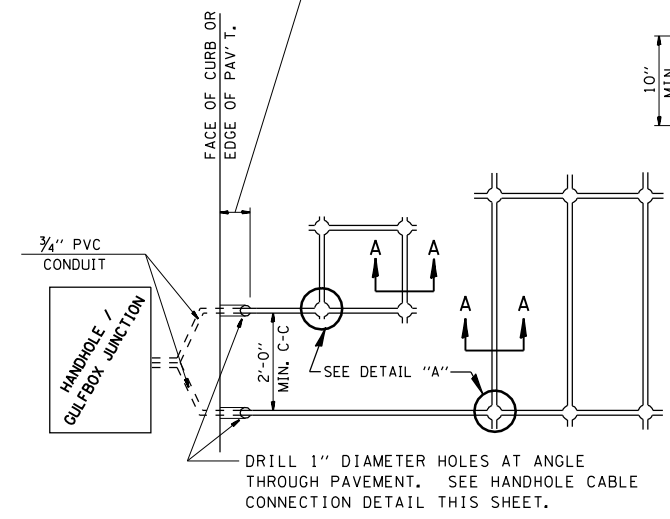
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	30	24
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* VARIOUS				
** D-6 TRAFFIC SIGNAL MOD 2004-2				

LENGTH OF SLACK FOR LOOP LEAD-INS SHALL PROVIDE FOR MAKING THE SPLICE ON TOP OF THE HANDHOLE AND ONE COMPLETE LOOP OF THE INTERIOR OF THE HANDHOLE. THE SPLICE SHALL BE SUPPORTED BY A CABLE HOOK.

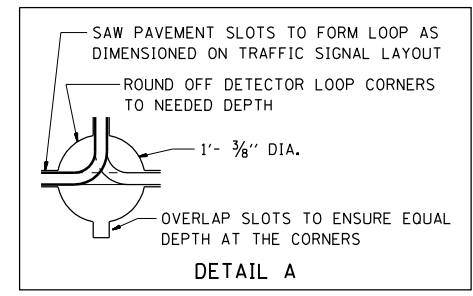
THE LOOP LEAD-IN CONDUIT HOLES SHALL BE PLACED AS CLOSE TO THE CURB AS POSSIBLE TO PERMIT SAW OVERLAP WITHOUT SCARRING FACE OF CURB. IN NON-CURB LOCATIONS THE DISTANCE SHALL NOT BE LESS THAN 6".



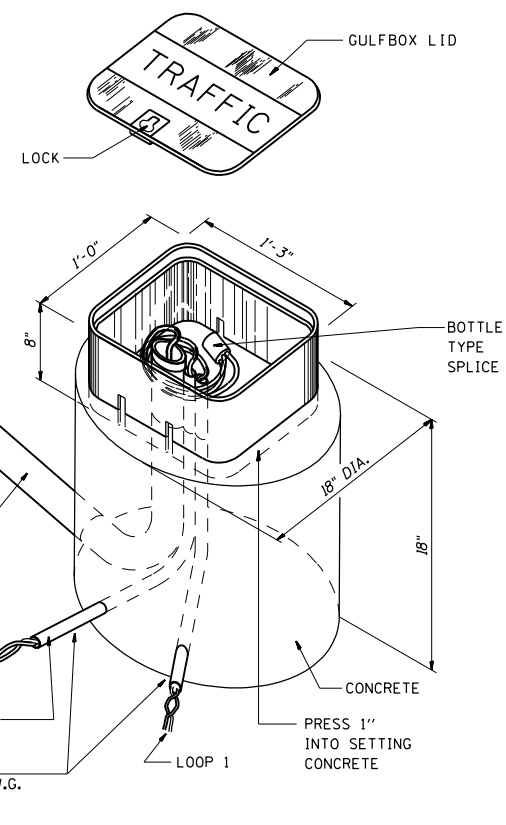
HANDHOLE CABLE CONNECTIONS



SECTION A-A

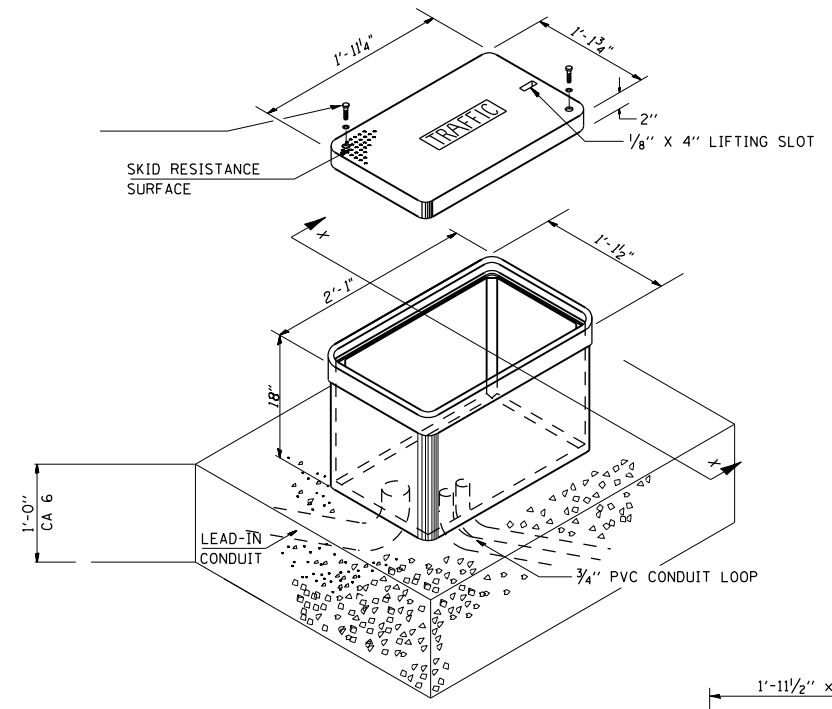


PAVEMENT SAWING DETAIL FOR TUBE ENCASED DETECTOR LOOP WIRE



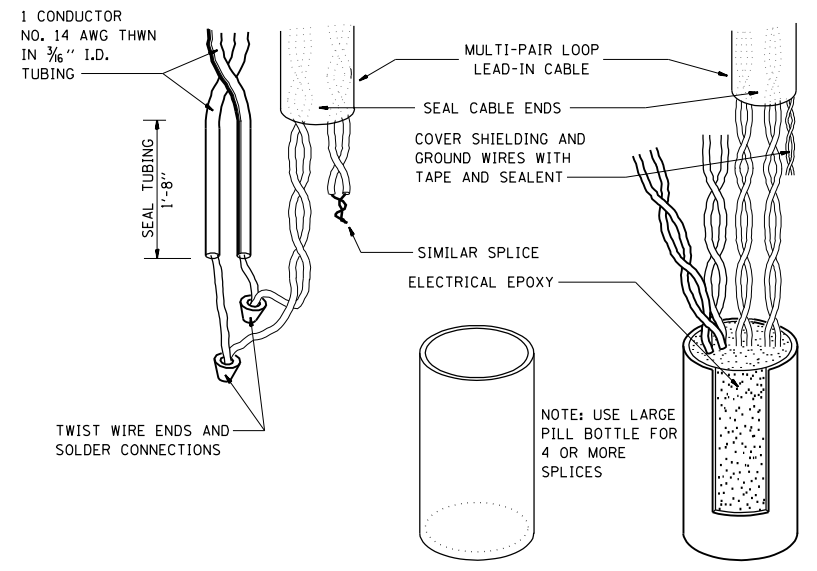
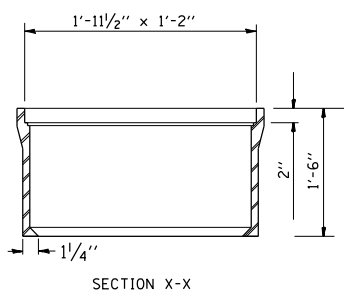
GULFBOX JUNCTION DETAIL

(SHOWING CONNECTION OF TUBE-ENCASED DETECTOR LOOP TO MULTI-PAIR LEAD-IN CABLE)



MINIMUM DIMENSIONS

JUNCTION BOX (SPECIAL)



SPLICE

PILL BOTTLE

FINISHED SPLICE

BOTTLE SPLICE DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC SIGNAL
DETECTOR LOOP DETAILS**

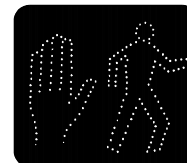
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	30	26
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* VARIOUS				
** D-6 TRAFFIC SIGNAL MOD 2004-2				

TRAFFIC SIGNAL PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		TEMPORARY SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSHBUTTON DETECTOR
		DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		SIGNAL POST
		ALUMINUM MAST ARM ASSEMBLY AND POLE
		STEEL MAST ARM ASSEMBLY AND POLE
		WOOD POLE
		WOOD POLE WITH GUY
		SERVICE INSTALLATION
		CONTROLLER
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		JUNCTION BOX
		GULFBOX JUNCTION
		AERIAL CABLE
		CONDUIT
		CONDUIT SPLICE
		SPAN WIRE / TETHER WIRE
		21 SIDEWALK REMOVAL IN SQ M (50 FT)
		9 PC CONC SDWLK 100 mm IN SQ M (50 YD)
		12 PC CONC SDWLK 100 mm SPECIAL IN SQ M (50 YD)

TRAFFIC SIGNAL WIRING DIAGRAM LEGEND

EXISTING	PROPOSED	DESCRIPTION
		200 mm (8") SIGNAL SECTION
		300 mm (12") SIGNAL SECTION
		DIRECTIONAL SIGNAL SECTION
		225 mm (9") PEDESTRIAN SIGNAL FACE
		300 mm (12") PEDESTRIAN SIGNAL FACE
		SIGNAL FACE WITH BACKPLATE
		PROGRAMMED SIGNAL SECTION
		SIGNAL SECTION WITH LOUVRE
		DUAL-INDICATION SIGNAL SECTION
		INDUCTION DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		DIRECT-CONNECTED LOOP LEAD-IN (TWISTED)
		ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
		ELECTRIC CABLE TO BE REMOVED
		ELECTRIC CABLE IDENTIFIER TAPE CODES (R= RED W= WHITE Y= YELLOW G= GREEN B= BLUE O= ORANGE)
		PEDESTRIAN PUSHBUTTON DETECTOR
		VIDEO DETECTION CAMERA
		EMERGENCY VEHICLE PREEMPTOR



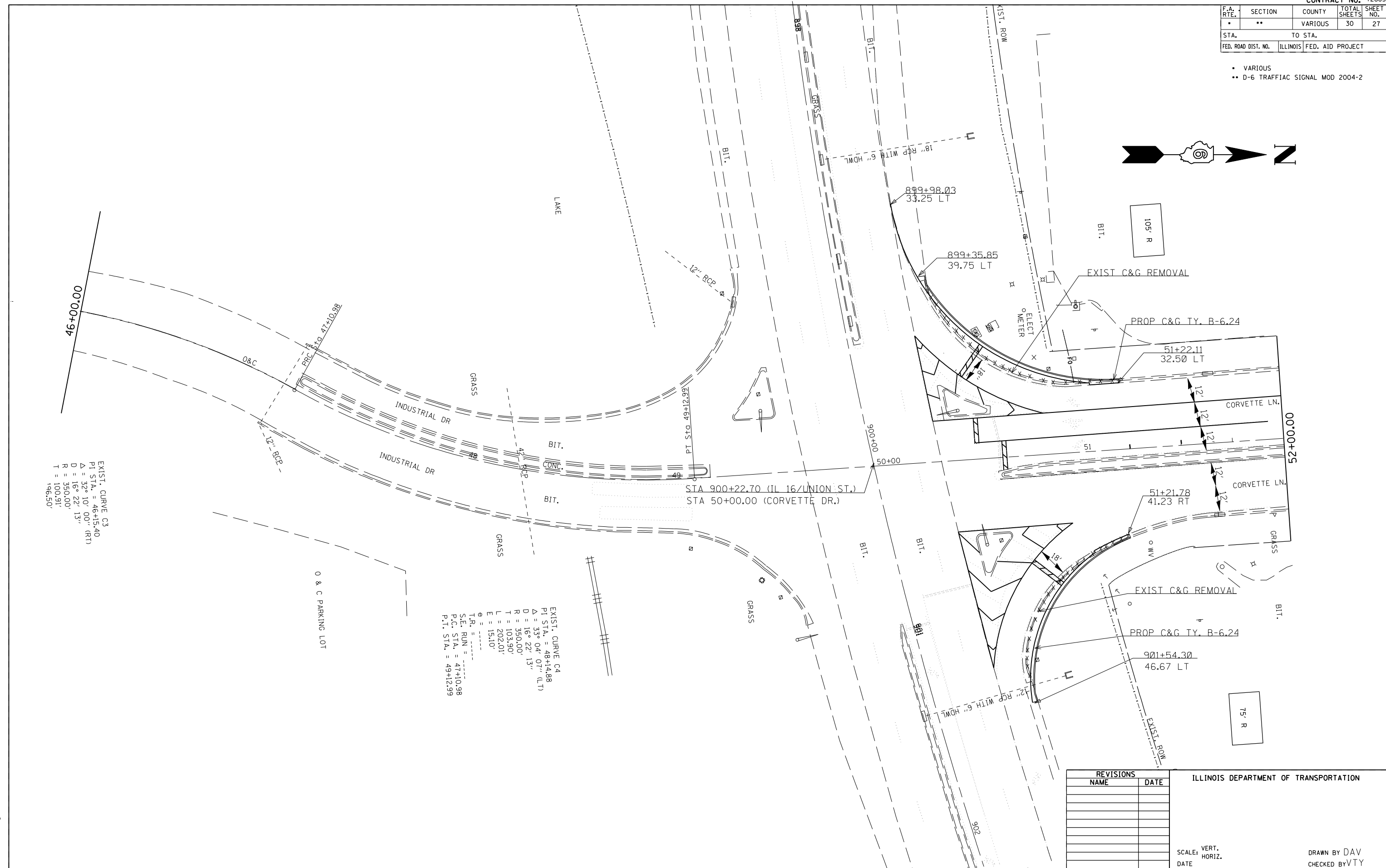
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LEGEND FOR TRAFFIC SIGNAL DETAILS
 VARIOUS ROUTES
 SECTION D-6 TRAFFIC SIGNAL MOD 2004-2
 SCALE: VERT. DRAWN BY KDA
 HORIZ. CHECKED BY
 DATE MAY '06

PLOT DATE = 10/24/2005
 FILE NAME = c:\p\projects\652884\ts\sheet.m32
 PLOT SCALE = 4.23525 / IN.
 USER NAME = laughlin-1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	30	27
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- VARIOUS
- D-6 TRAFFIAC SIGNAL MOD 2004-2



EXIST. CURVE C3
 PI STA. = 46+15.40
 $\Delta = 32^\circ 10' 00''$ (RT)
 D = 16° 22' 13"
 R = 350.00'
 T = 100.91'
 196.50'

EXIST. CURVE C4
 PI STA. = 48+14.88
 $\Delta = 35^\circ 04' 07''$ (LT)
 D = 16° 22' 13"
 R = 350.00'
 T = 103.90'
 L = 202.01'
 E = 15.10'

T.R. =
 S.E. RUN =
 P.C. STA. = 47+10.98
 P.T. STA. = 49+12.99

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
 DATE
 DRAWN BY DAV
 CHECKED BY VTY

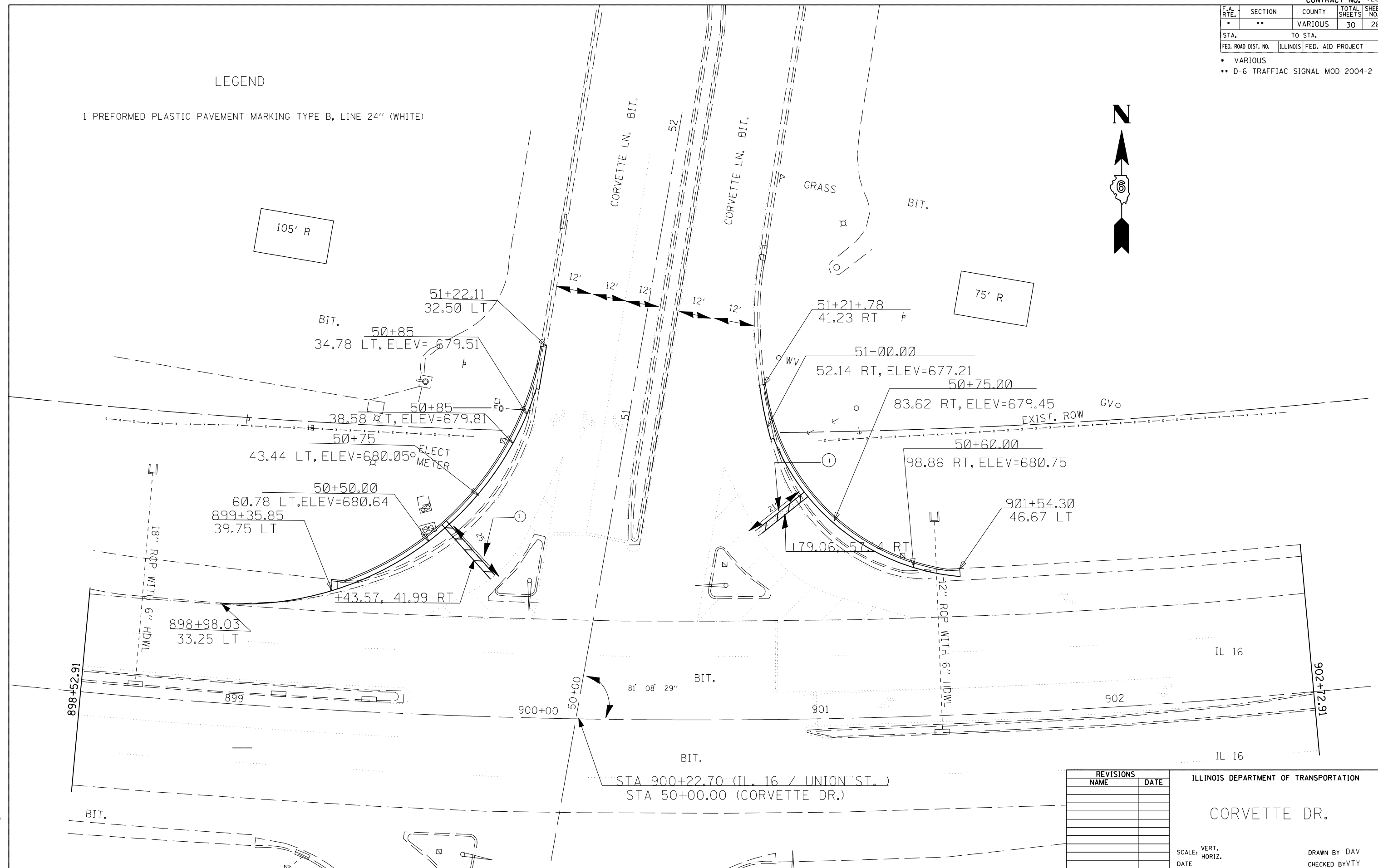
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 PLOT SCALE = 42.3525' / IN.
 USER NAME = laughlin-1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	30	28
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- VARIOUS
- D-6 TRAFFIC SIGNAL MOD 2004-2

LEGEND

1 PREFORMED PLASTIC PAVEMENT MARKING TYPE B, LINE 24" (WHITE)



PLOT DATE = 10/24/2005
 FILE NAME = c:\p\projects\652884\intersections\detail.dgn
 PLOT SCALE = 2/6471' / IN.
 USER NAME = laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CORVETTE DR.
 SCALE: VERT. / HORIZ.
 DATE
 DRAWN BY DAV
 CHECKED BY VTY

INTERSECTION DETAIL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 50+50.0000		TO STA. 51+25.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

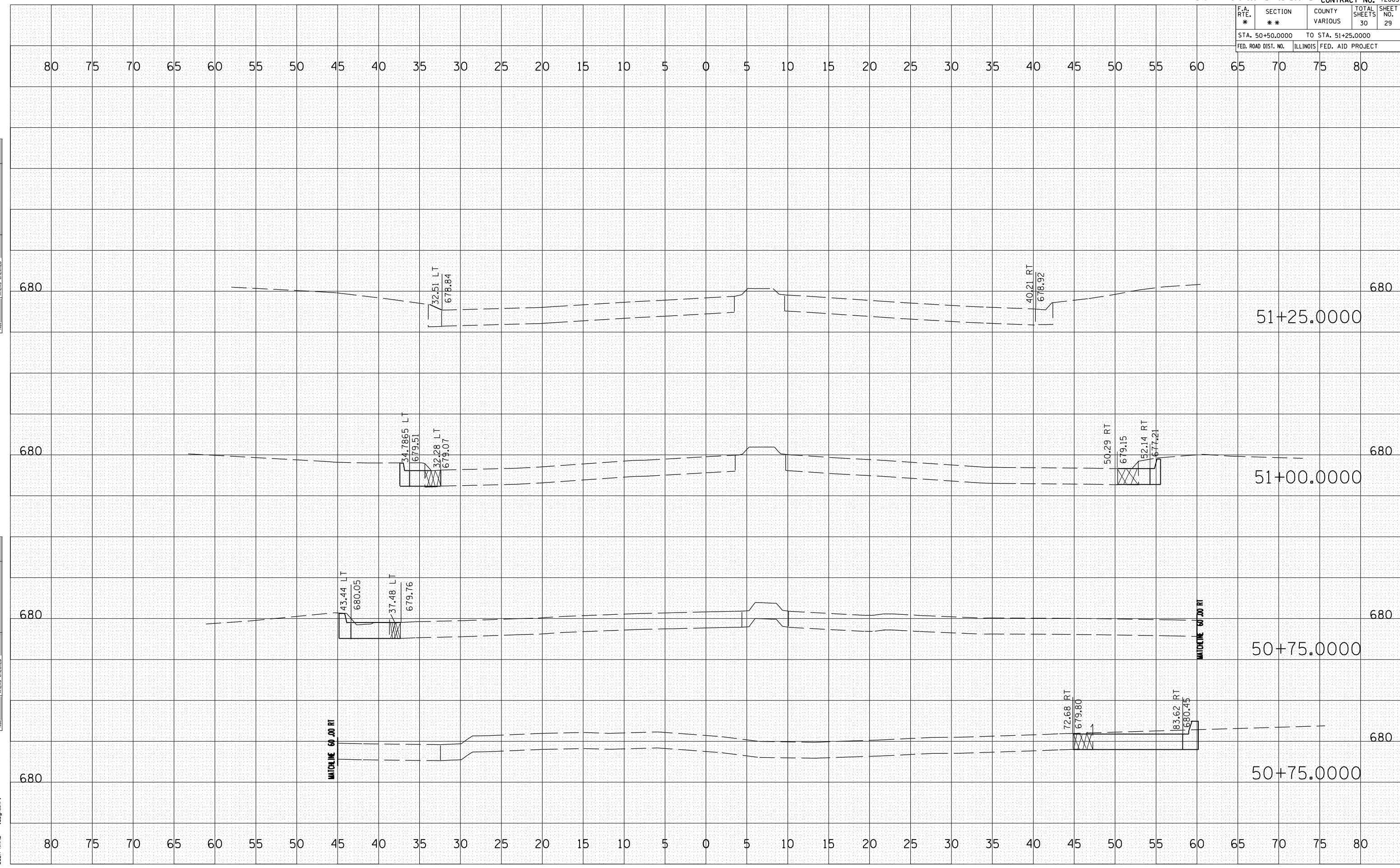
BY	DATE

NO.	AREAS CHECKED

BY	DATE

NO.	AREAS CHECKED

PLOT DATE = 10/24/2006
 FILE NAME = 105...
 PLOT SCALE = 10.5582
 USER NAME = laughlin-1



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	30	30
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BY	DATE

FINAL SURVEY	SURVEYED
NOTE BOOK NO.	AREAS CHECKED

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	AREAS CHECKED

PLOT DATE = 10/24/2006
 FILE NAME = 10652204.dgn
 PLOT SCALE = 10.5682 IN.
 USER NAME = laughlin-1

