

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	101TS	LEE	9	1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 316 (IL 26)  
SECTION 101TS  
PROJECT HS-0316(031)  
LEE COUNTY

C92-110-06

- INDEX OF SHEETS**  
 1 COVER SHEET  
 INDEX OF SHEETS  
 STANDARDS  
 2 SUMMARY OF QUANTITIES  
 3 UTILITIES  
 GENERAL NOTES  
 4-5 BORING LOGS  
 6 SIGNAL PLAN SHEET LEGEND  
 SIGN DETAILS  
 7 PLAN SHEET  
 8 CABLE DETAIL  
 9 SERVICE INSTALLATION DETAIL  
 LIGHTING CONTROLLER DETAIL

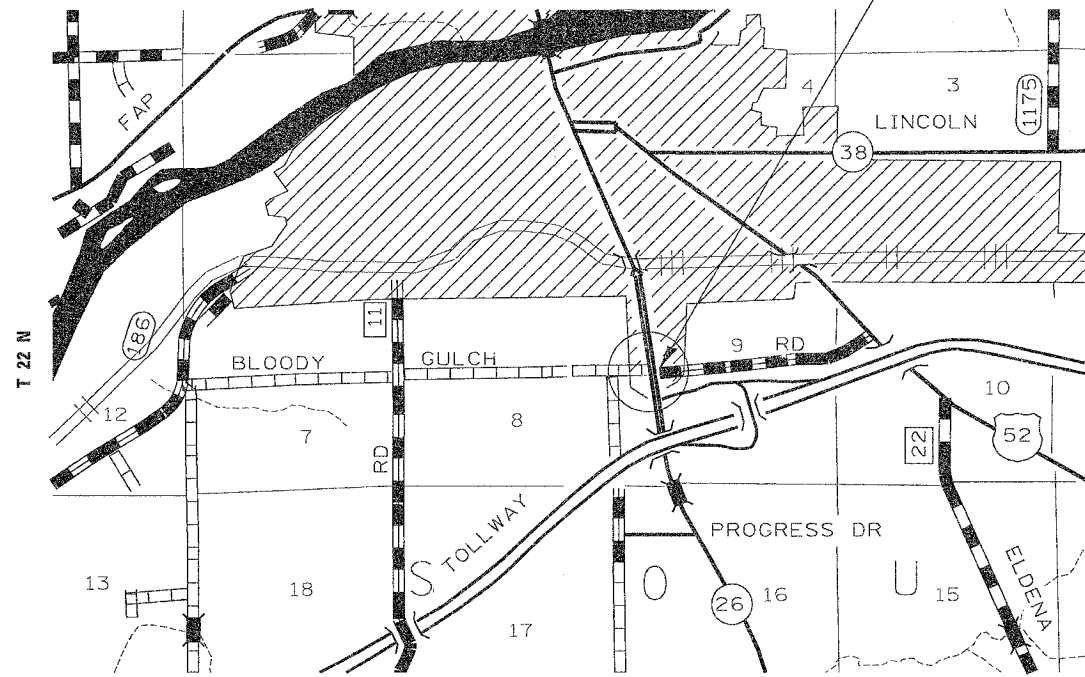
STANDARDS

- 701006-02 OFF-ROAD OPERATIONS 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
- 701201-02 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
- 701301-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701701-04 URBAN LANE CLOSURE MULTILANE INTERSECTION
- 702001-06 TRAFFIC CONTROL DEVICES
- 720016-01 MAST ARM MOUNTED STREET NAME SIGNS
- 805001 ELECTRICAL SERVICE INSTALLATION DETAILS
- 814001 CONCRETE HANDHOLES
- 814006 DOUBLE HANDHOLES
- 857001 STANDARD DESIGNATION DIAGRAM AND PHASE SEQUENCE
- 862001 UNINTERRUPTABLE POWER SUPPLY (UPS)
- 873001 TRAFFIC SIGNAL GROUNDING
- 877011-02 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- 878001-04 CONCRETE FOUNDATION DETAILS
- 880006 TRAFFIC SIGNAL MOUNTING DETAILS

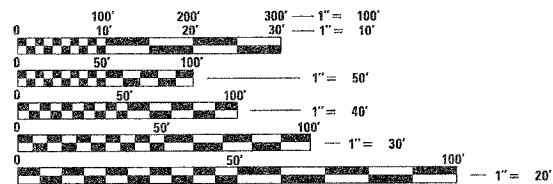


D92-061-06

PROJECT LOCATION  
IL 26 WITH BLOODY GULCH RD



R 9 E



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 March 31, 2006

Gregory J. Mounts  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 12, 2006  
Mike Vanecko  
ENGINEER OF DESIGN AND ENVIRONMENT

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

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OF THE STATE OF ILLINOIS**








F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	101TS	LEE	9	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

# BORING LOGS



**Illinois Department of Transportation**  
Division of Highways  
District 2, Dixon

## SOIL BORING LOG

P92-061-03 IL 84 culvert @ new River Ridge High School, 4 m. S. of Weston Road, 3.5 m. N. of Hanover

Page 1 of 1  
Date 1/8/03

ROUTE FAP 308 DESCRIPTION High School, 4 m. S. of Weston Road, 3.5 m. N. of Hanover LOGGED BY W. Garza


SECTION 103M LOCATION Elizabeth Twp. - SW, SEC. 22, TWP. 27N, RNG. 2E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O D E	Surface Water Elev. Stream Bed Elev.	None ft	D E P T H	B L O W S	U C S	M O D E
BORING NO. <u>B-2a</u> Station <u>62+32</u> Offset <u>13.50ft Lt CL</u> Ground Surface Elev. <u>99.3</u> ft					Groundwater Elev.: First Encounter <u>None</u> ft Upon Completion <u>Dry</u> ft After <u>Hrs.</u> ft					
Shoulder Rock					MEDIUM gray SILTY LOAM (continued)	78.30	1	0.8	32	
MEDIUM gray SILTY LOAM							2	P		
VERY STIFF tan SILTY LOAM	97.30	4			MEDIUM gray SILTY LOAM		1			
		5	2.6	19			1	1.0	27	
	95.80	6	S			75.80	3	B		
STIFF tan SILTY LOAM					STIFF tan SILTY CLAY LOAM with CHERT		2			
		3					3	1.2	26	
	93.30	4	2.0	20		73.30	7			
VERY STIFF tan gray SILTY LOAM					LOOSE tan SANDY LOAM		2			
		4	2.3	20			3			
	90.80	6	S			70.30	4			
VERY STIFF tanish gray SILTY CLAY LOAM					VERY DENSE tan weathered LIMESTONE		31			
		2					50			
	88.30	4	2.5	25	End of Boring	68.30	70			
STIFF tanish gray SILTY CLAY LOAM										
		2								
	85.80	3	1.8	24						
		5	B							
STIFF gray SILTY LOAM										
		2								
	83.30	2	1.3	25						
		5	S							
MEDIUM gray SILTY LOAM										
		1								
	80.80	3	1.0	26						
		3	S							
MEDIUM gray SILTY LOAM										
		1								
	-20									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



**Illinois Department of Transportation**  
Division of Highways  
District 2, Dixon

## SOIL BORING LOG

P92-061-03 IL 84 culvert @ new River Ridge High School, 4 m. S. of Weston Road

Page 1 of 1  
Date 1/7/03

ROUTE FAP 308 DESCRIPTION High School, 4 m. S. of Weston Road LOGGED BY J. Strating

SECTION 103M LOCATION Elizabeth Twp. - SW, SEC. 22, TWP. 27N, RNG. 2E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O D E	Surface Water Elev. Stream Bed Elev.	None ft	D E P T H	B L O W S	U C S	M O D E
BORING NO. <u>B-2b</u> Station <u>47+11</u> Offset <u>13.00ft Lt CL</u> Ground Surface Elev. <u>99.8</u> ft					Groundwater Elev.: First Encounter <u>66.3</u> ft Upon Completion <u>Dry</u> ft After <u>Hrs.</u> ft					
MEDIUM brown SILTY CLAY LOAM					STIFF gray SILTY CLAY LOAM with ORGANICS	78.30	3			
							5	1.5	24	
	97.30						6	P		
VERY STIFF brown/gray SILTY LOAM					MEDIUM dark gray SILTY LOAM with ORGANICS		1			
		4					3	0.8	30	
	95.80	5	2.8	20		75.80	5	B		
STIFF brown/gray SILTY LOAM					STIFF black SILTY CLAY LOAM with ORGANICS		2			
		3	1.5	16			4	1.5	28	
	93.30	4	P			73.30	6	P		
Same as above					STIFF gray SILTY CLAY with ORGANICS		1			
		2					2	1.7	27	
	90.80	3	1.5	21		70.80	5	B		
		4	B		STIFF gray SILTY CLAY		2			
		2					3	1.4	28	
	88.30	4	0.9	30		68.30	5	B		
MEDIUM brown/gray SILTY CLAY LOAM					LOOSE orange/tan weathered LIMESTONE		2			
		2					2			
	85.80	3	1.3	23		65.80	2			
		4	S				9			
VERY STIFF SILTY CLAY LOAM					VERY DENSE tan weathered LIMESTONE		100/2"			
		2			End of Boring		PEN			
	83.30	3	2.0	22		64.80				
		7	P							
STIFF brown SILTY CLAY LOAM										
		2								
	80.80	4	1.7	24						
		6	B							
	-20									

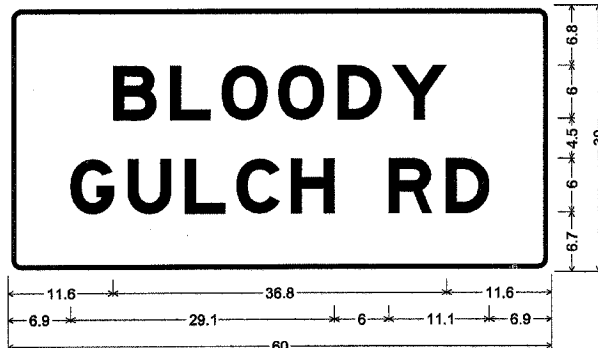
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

PLOT DATE = F. 1/24/03 10:27:09 2085  
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 USER NAME = H1131

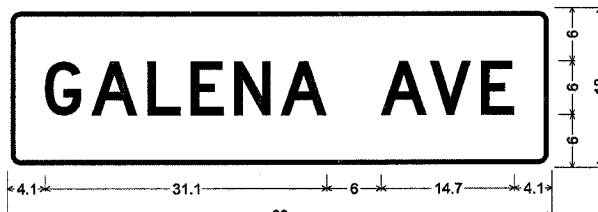
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. _____ HORIZ. _____ DATE _____
DRAWN BY _____		CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	101TS	LEE	9	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



1.5" Radius, 0.5" Border, 0.4" Indent, White on Green;  
 [BLOODY] E Mod; [GULCH RD] E Mod;  
 Table of letter and object lefts.

B	L	O	O	D	Y	
11.6	17.9	23.6	29.8	36.4	42.4	
G	U	L	C	H	R	D
6.9	13.2	19.5	25.2	31.2	42.0	48.3



1.5" Radius, 0.5" Border, 0.4" Indent, White on Green;  
 [GALENA AVE] D;  
 Table of letter and object lefts.

G	A	L	E	N	A	A	V	E
4.1	9.3	15.4	20.2	25.0	30.2	41.2	46.6	52.2

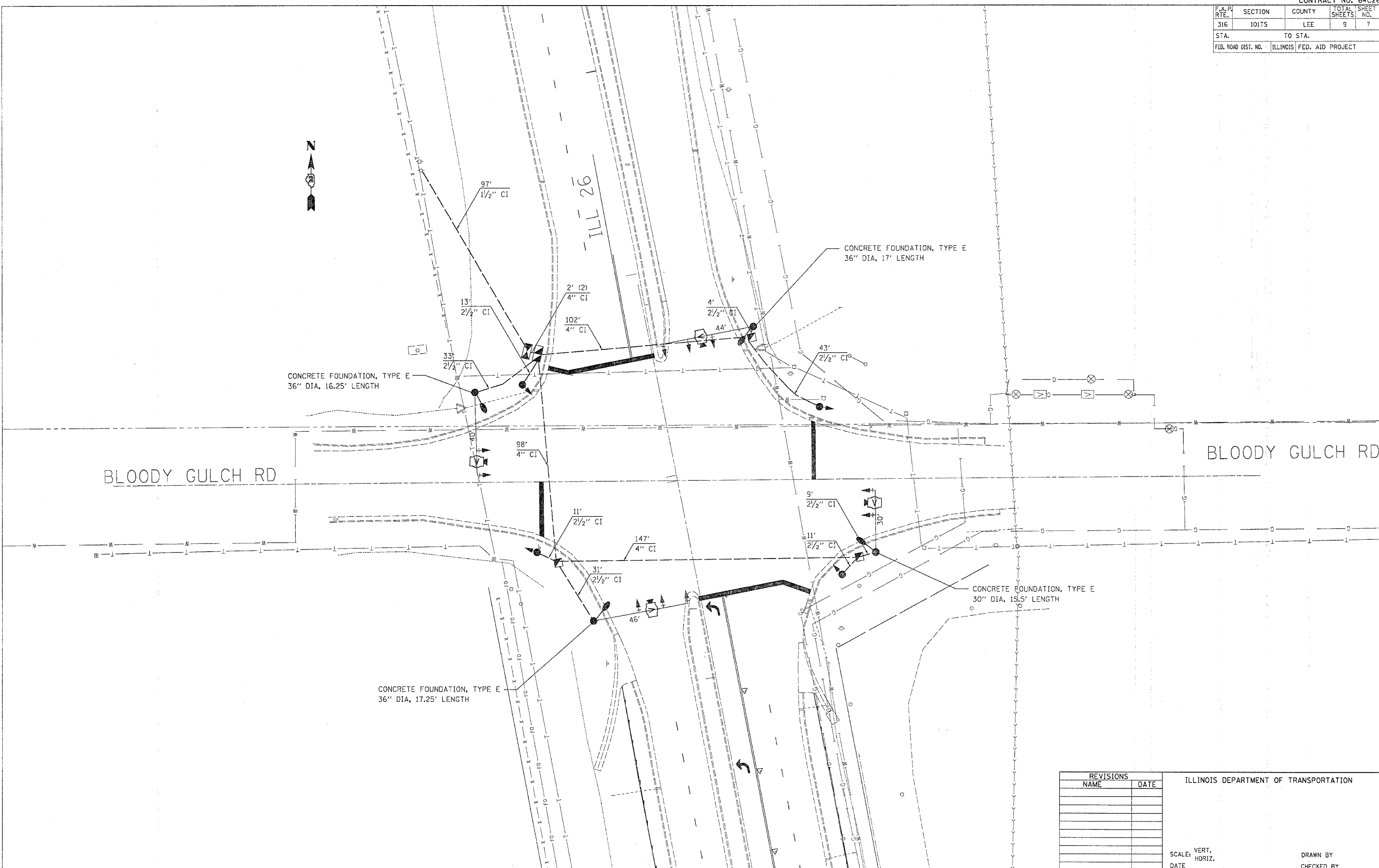
LEGEND

- EXISTING CONTROLLER
- NEW CONTROLLER
- EXISTING ALUMINUM MAST ARM ASSEMBLY AND POLE
- NEW ALUMINUM MAST ARM ASSEMBLY AND POLE
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE
- NEW STEEL MAST ARM ASSEMBLY AND POLE
- EXISTING SIGNAL HEAD AND POST
- NEW SIGNAL HEAD AND POST
- EXISTING SIGNAL HEAD
- NEW SIGNAL HEAD WITH BACKPLATE
- EXISTING PEDESTRIAN HEAD
- NEW PEDESTRIAN HEAD
- PEDESTRIAN PUSHBUTTON
- EXISTING HANDHOLE
- NEW HANDHOLE
- NEW JUNCTION BOX
- NEW HEAVY-DUTY HANDHOLE
- NEW DOUBLE HANDHOLE
- 
- NEW LUMINAIRE
- 
- UPPER NUMERAL INDICATES LENGTH
- "T" INDICATES CONDUIT IN TRENCH
- "P" INDICATES CONDUIT PUSHED
- LOWER NUMERAL INDICATES SIZE AND TYPE

PLOT DATE = Wed Mar 29 08:17:49 2006  
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 USER NAME = h11k1

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. HORIZ. DATE
DRAWN BY		CHECKED BY
DATE		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	101TS	LEE	9	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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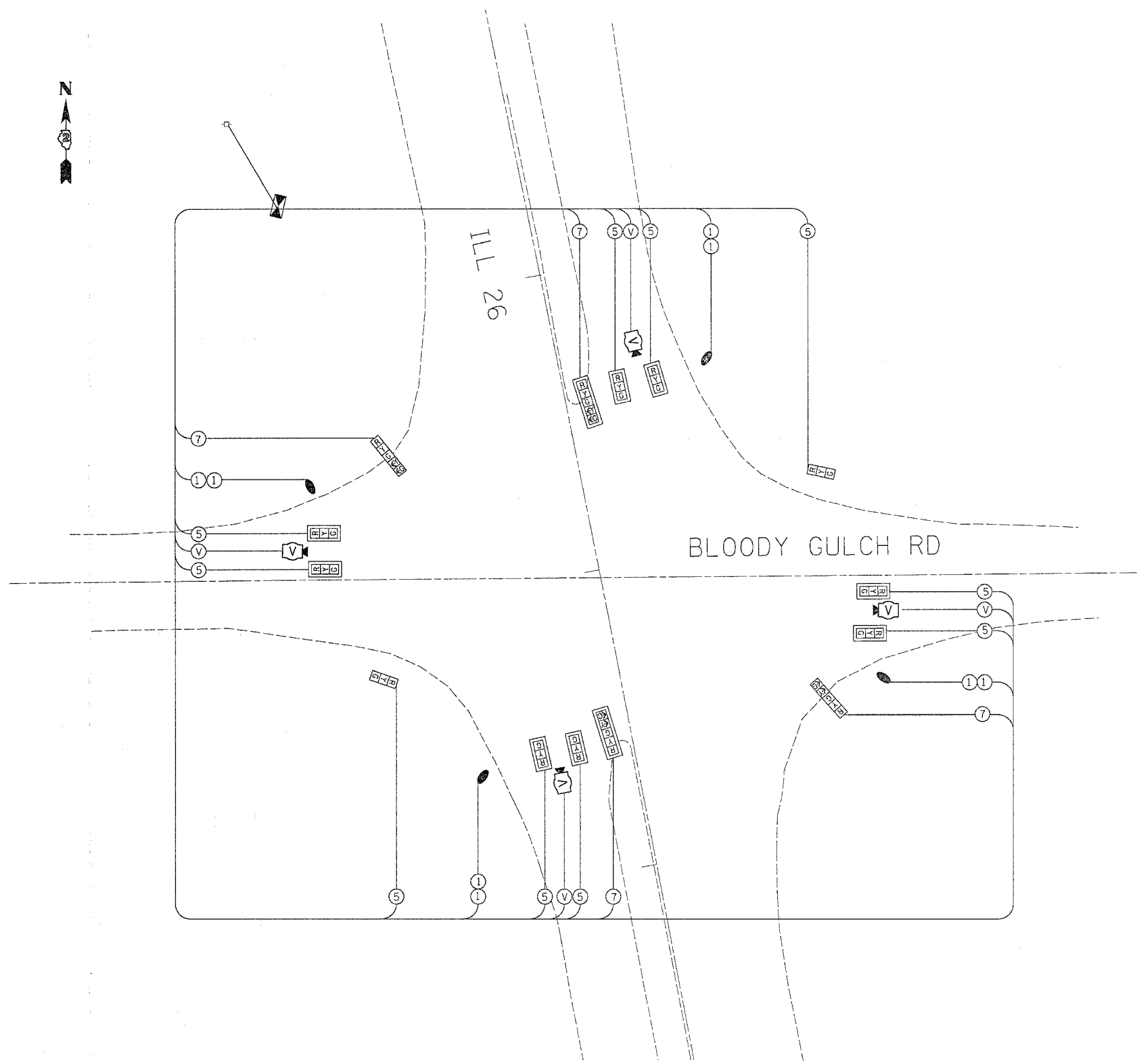
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

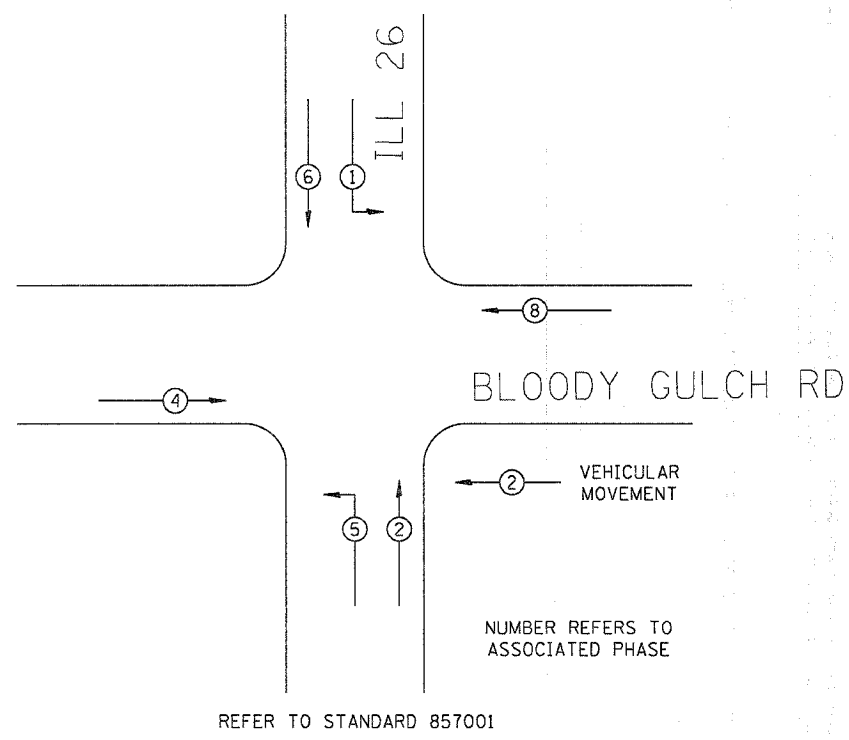
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 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	101TS	LEE	9	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PHASE DESIGNATION DIAGRAM



- LEGEND
- ② INDICATES NUMBER OF NEW CONDUCTORS. ALL OTHERS IS NO. IN EXCEPT AS INDICATED.
  - V INDICATES VIDEO CABLES
  - NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE
  - V VIDEO DETECTION
  - LUMINAIRE, 400 WATT

DETECTOR ASSIGNMENT		
DETECTOR	PHASE NO.	DIRECTION
A	8	WB PRESENT
B	4	EB PRESENT
C	2	NB FAR ADVANCE
D	2	NB MID ADVANCE
E	2	NB PRESENT
F	5	NB LEFT
G	6	SB FAR ADVANCE
H	6	SB MID ADVANCE
I	6	SB PRESENT
J	1	SB LEFT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ. DATE

DRAWN BY CHECKED BY



