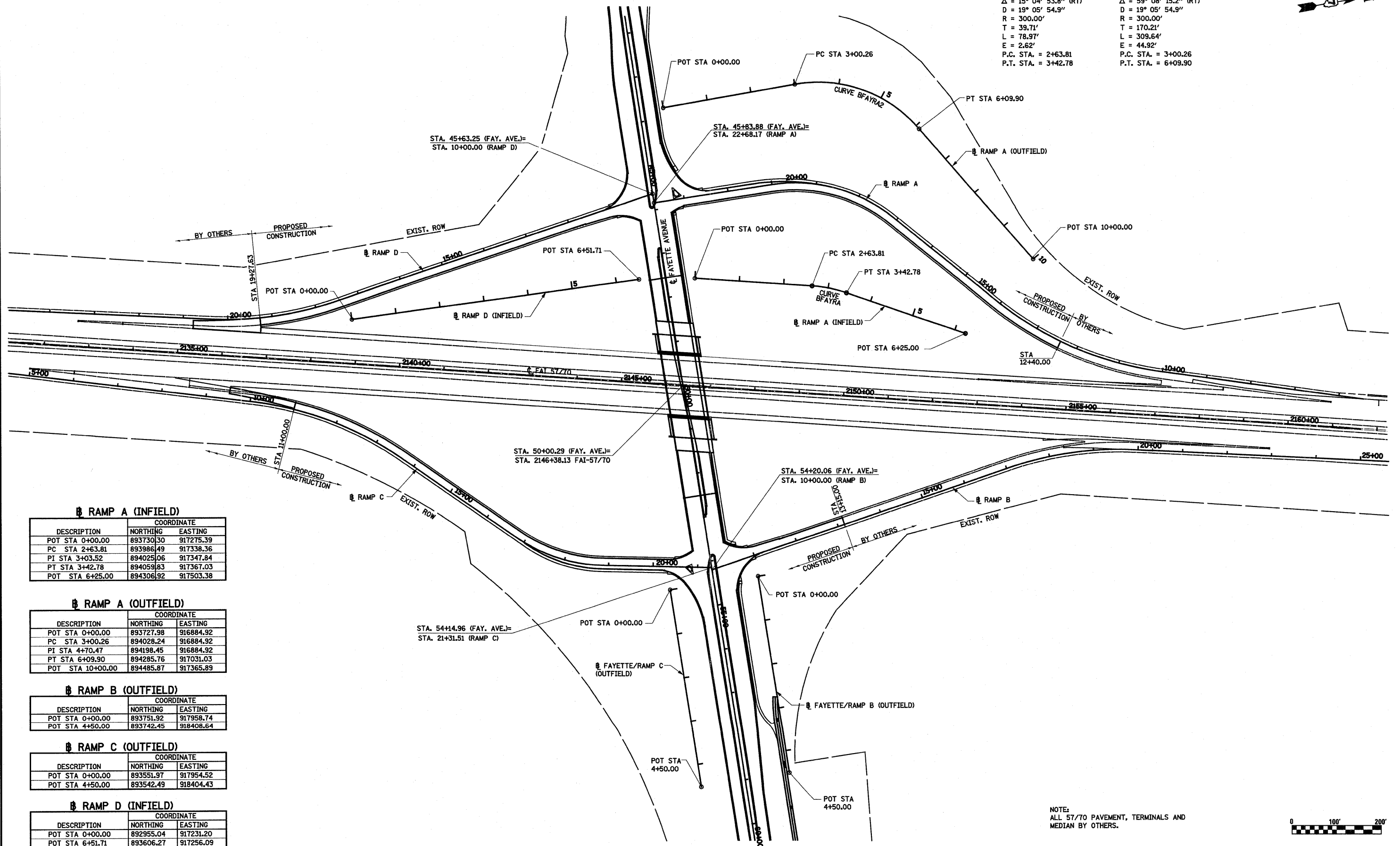


PROP. CURVE BFAYRA
 PT STA. = 3+03.52
 $\Delta = 15^\circ 04' 53.8''$ (RT)
 $D = 19^\circ 05' 54.9''$
 $R = 300.00'$
 $T = 39.71'$
 $L = 78.97'$
 $E = 2.62'$
 P.C. STA. = 2+63.81
 P.T. STA. = 3+42.78

PROP. CURVE BFAYRA2
 PT STA. = 4+70.47
 $\Delta = 59^\circ 08' 15.2''$ (RT)
 $D = 19^\circ 05' 54.9''$
 $R = 300.00'$
 $T = 170.21'$
 $L = 309.64'$
 $E = 44.92'$
 P.C. STA. = 3+00.26
 P.T. STA. = 6+09.90



RAMP A (INFIELD)

DESCRIPTION	COORDINATE	
	NORTHING	EASTING
POT STA 0+00.00	893730.30	917275.39
PC STA 2+63.81	893986.49	917338.36
PI STA 3+03.52	894025.06	917347.84
PT STA 3+42.78	894059.83	917367.03
POT STA 6+25.00	894306.92	917503.38

RAMP A (OUTFIELD)

DESCRIPTION	COORDINATE	
	NORTHING	EASTING
POT STA 0+00.00	893727.98	916884.92
PC STA 3+00.26	894028.24	916884.92
PI STA 4+70.47	894198.45	916884.92
PT STA 6+09.90	894285.76	917031.03
POT STA 10+00.00	894485.87	917365.89

RAMP B (OUTFIELD)

DESCRIPTION	COORDINATE	
	NORTHING	EASTING
POT STA 0+00.00	893751.92	917958.74
POT STA 4+50.00	893742.45	918408.64

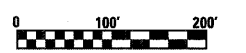
RAMP C (OUTFIELD)

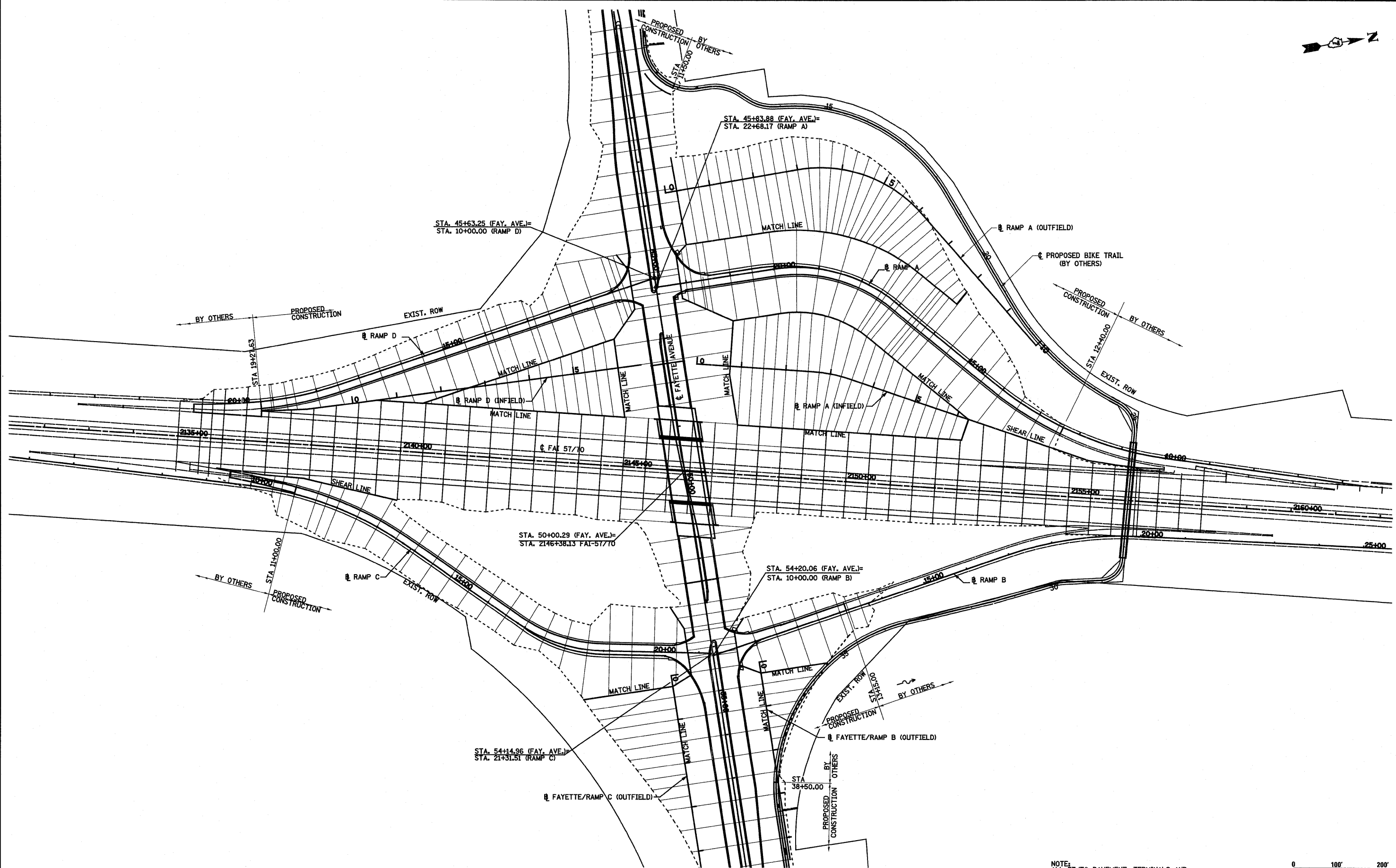
DESCRIPTION	COORDINATE	
	NORTHING	EASTING
POT STA 0+00.00	893551.97	917954.52
POT STA 4+50.00	893542.49	918404.43

RAMP D (INFIELD)

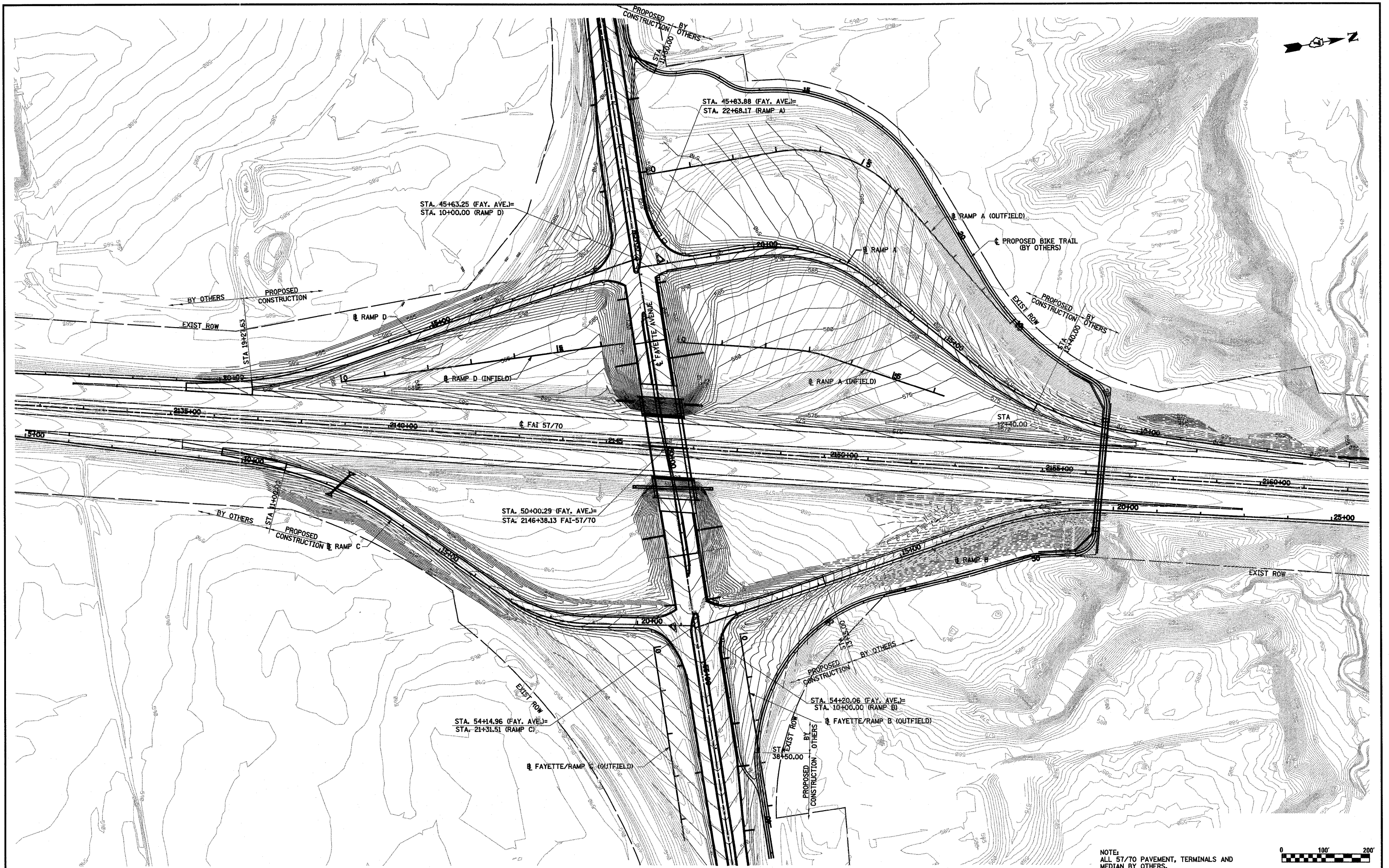
DESCRIPTION	COORDINATE	
	NORTHING	EASTING
POT STA 0+00.00	892955.04	917231.20
POT STA 6+51.71	893606.27	917256.09

NOTE:
 ALL 57/70 PAVEMENT, TERMINALS AND
 MEDIAN BY OTHERS.

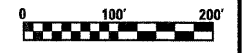




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SV\Projects\MS 8887257-10\plan\Fayette\ch\plan.Fay.dgn		DRAWN - PDB	REVISED -		SCALE: 1"=100'	SHEET NO. 1 OF 1 SHEETS	STA. 2132+80.00 TO STA. 2162+50.00	57/70	(25-3)I-6	EFFINGHAM	839	202	
		CHECKED - BRM	REVISED -										
		DATE - 11-16-07	REVISED -					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			CONTRACT NO. 74293



NOTE:
ALL 57/70 PAVEMENT, TERMINALS AND
MEDIAN BY OTHERS.



FILE NAME =
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DESIGNED - JWS
DRAWN - PDB
PLOT SCALE = 200.0000' / IN.
CHECKED - BRM
PLOT DATE = 6/24/2010
DATE - 11-15-07

REVISED -
REVISED -
REVISED -
REVISED -

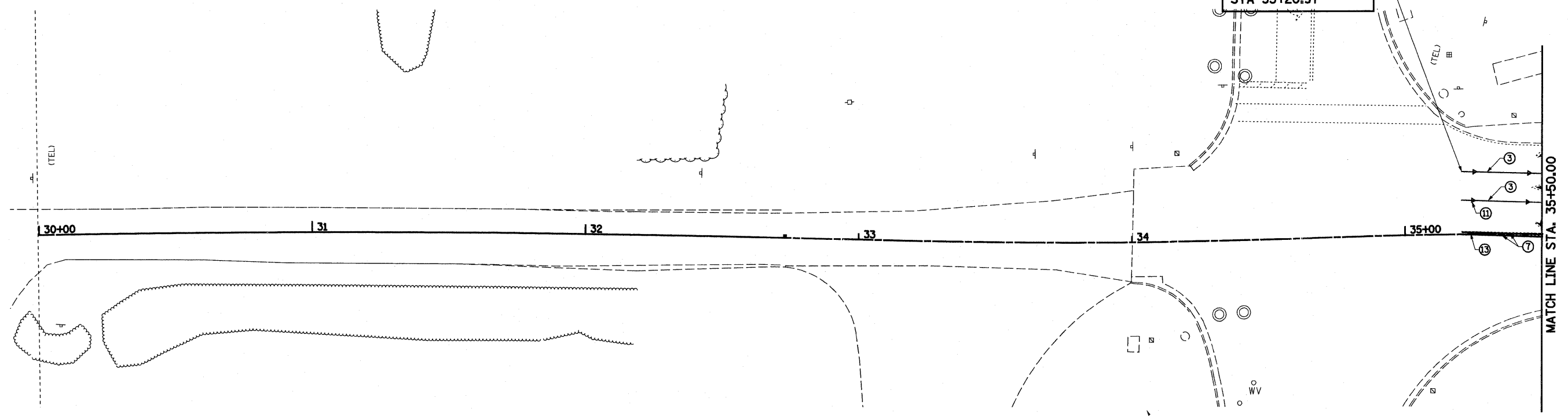
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERCHANGE GRADING PLAN, FAYETTE AVENUE
SCALE: 1"=100' SHEET NO. 1 OF 1 SHEETS STA. 2132+80.00 TO STA. 2162+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 74293	

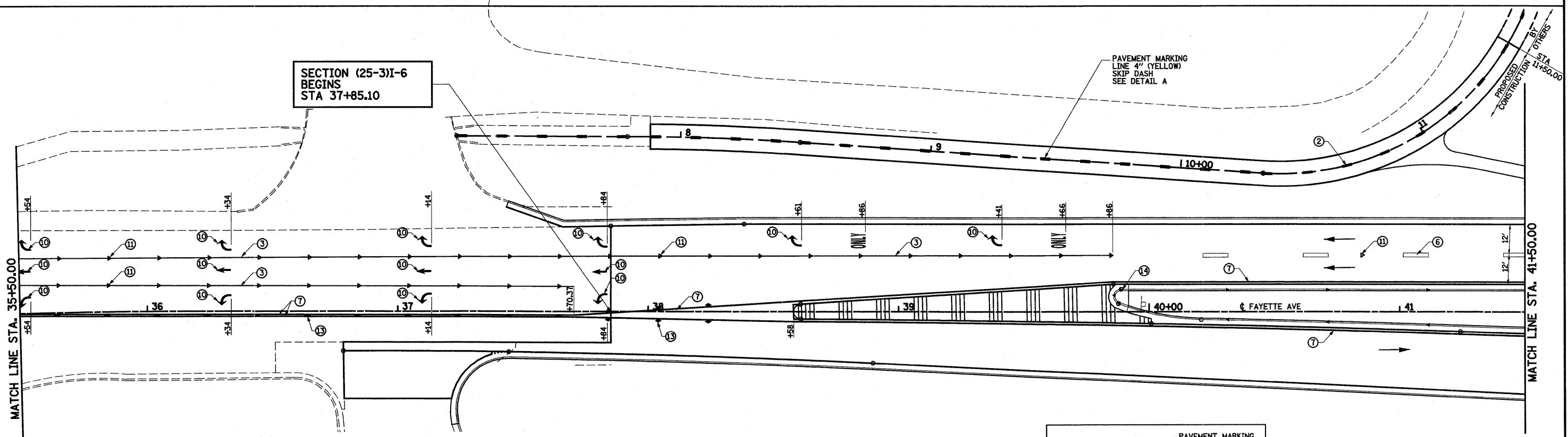


PAVEMENT MARKING
BEGINS
STA 35+20.97

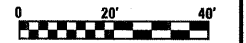
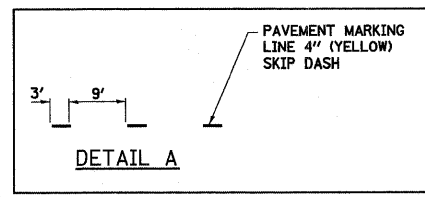


SECTION (25-3)I-6
BEGINS
STA 37+85.10

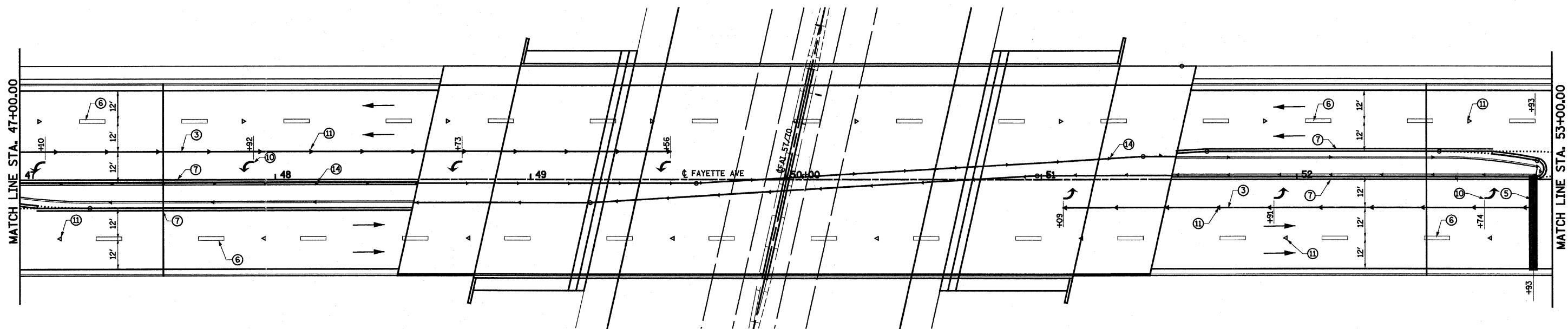
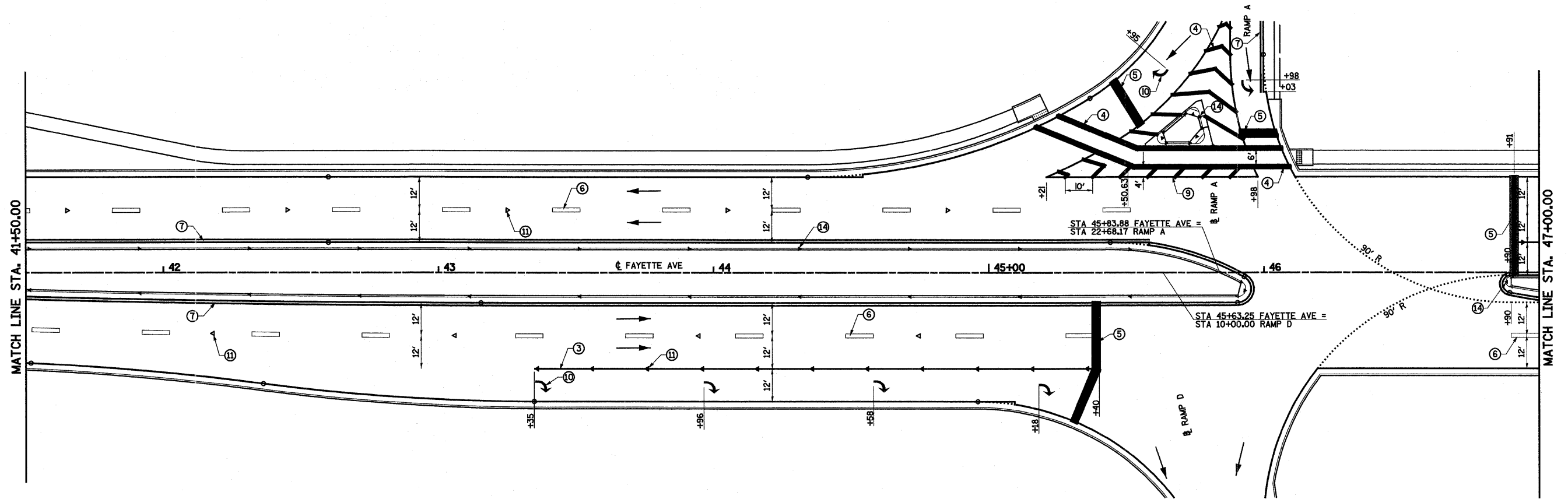
PAVEMENT MARKING
LINE 4" (YELLOW)
SKIP DASH
SEE DETAIL A



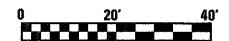
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| ① URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE | ⑧ URETHANE PAVEMENT MARKING LINE - 12" SOLID YELLOW |
| ② URETHANE PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW | ⑨ URETHANE PAVEMENT MARKING LINE - 8" SOLID WHITE |
| ③ URETHANE PAVEMENT MARKING LINE - 6" SOLID WHITE | ⑩ URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS |
| ④ URETHANE PAVEMENT MARKING LINE - 12" SOLID WHITE | ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY |
| ⑤ URETHANE PAVEMENT MARKING LINE - 24" SOLID WHITE | ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY |
| ⑥ URETHANE PAVEMENT MARKING LINE - 6" SKIP DASH WHITE | ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY |
| ⑦ URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW | ⑭ PRISMATIC CURB REFLECTORS |



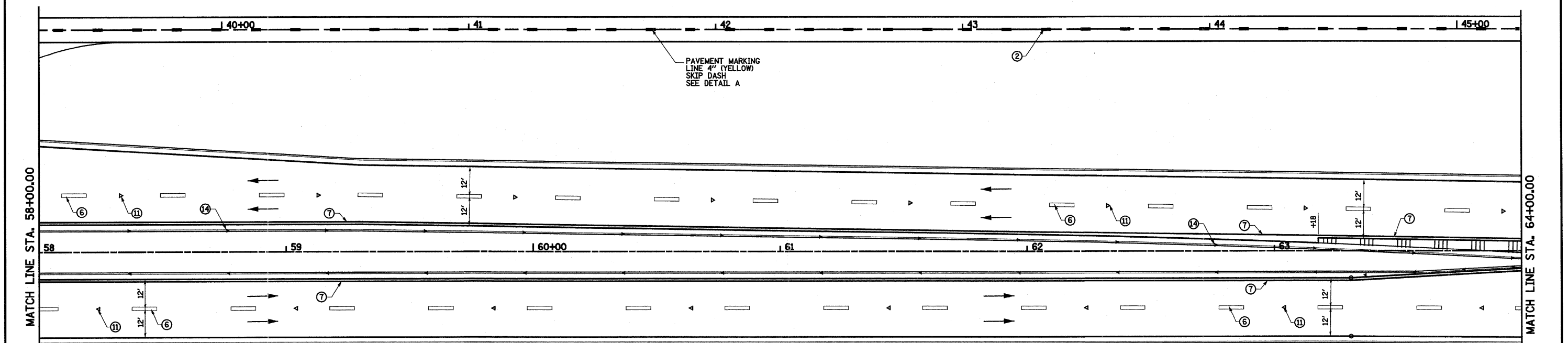
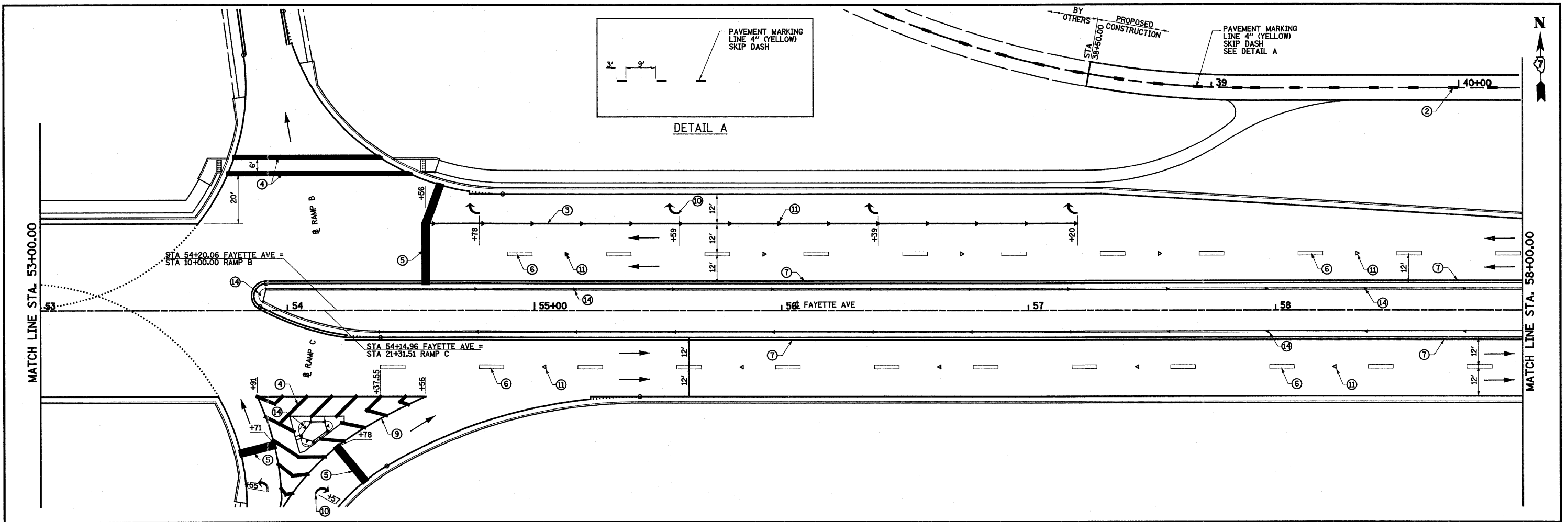
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PLOT SCALE = 40,0000' / IN.		CHECKED - BRM	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 13 SHEETS	STA. 32+71.37 TO STA. 41+50.00	CONTRACT NO. 74293				
PLOT DATE = 6/28/2010		DATE - 4-23-08	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



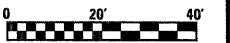
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|--|---|
| ① URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE | ⑧ URETHANE PAVEMENT MARKING LINE - 12" SOLID YELLOW |
| ② URETHANE PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW | ⑨ URETHANE PAVEMENT MARKING LINE - 8" SOLID WHITE |
| ③ URETHANE PAVEMENT MARKING LINE - 6" SOLID WHITE | ⑩ URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS |
| ④ URETHANE PAVEMENT MARKING LINE - 12" SOLID WHITE | ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY |
| ⑤ URETHANE PAVEMENT MARKING LINE - 24" SOLID WHITE | ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY |
| ⑥ URETHANE PAVEMENT MARKING LINE - 6" SKIP DASH WHITE | ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY |
| ⑦ URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW | ⑭ PRISMATIC CURB REFLECTORS |



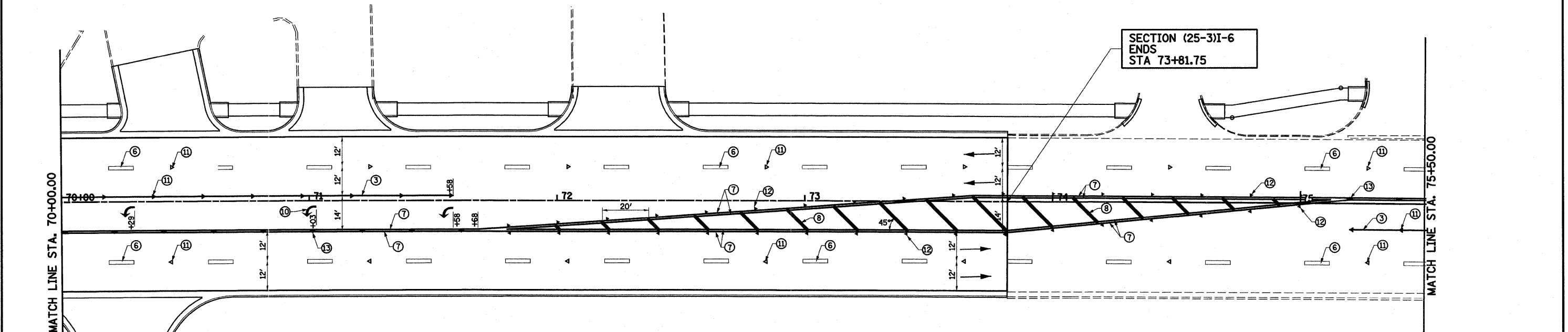
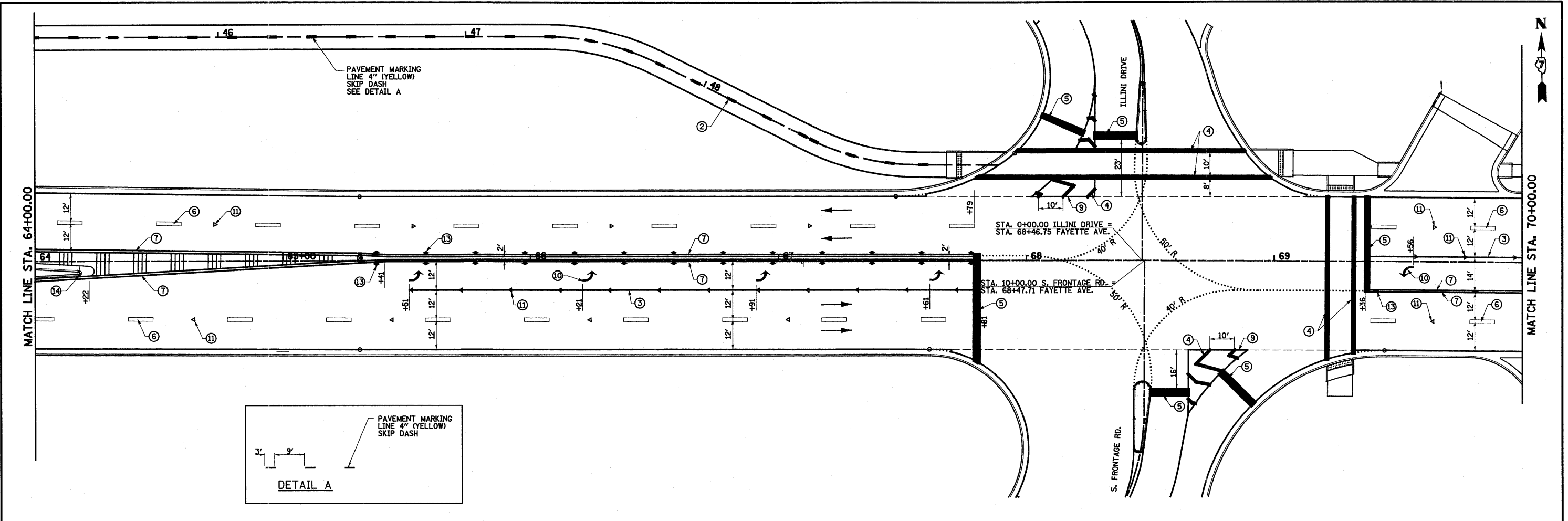
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PLOT SCALE = 40,0000' / IN.		CHECKED - BRM	REVISED -			SCALE: 1"=20'		SHEET NO. 2 OF 13 SHEETS		STA. 41+50.00 TO STA. 53+00.00	
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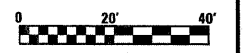
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|--|---|---|
| ① URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE | ⑦ URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW | ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY |
| ② URETHANE PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW | ⑧ URETHANE PAVEMENT MARKING LINE - 12" SOLID YELLOW | ⑭ PRISMATIC CURB REFLECTORS |
| ③ URETHANE PAVEMENT MARKING LINE - 6" SOLID WHITE | ⑨ URETHANE PAVEMENT MARKING LINE - 8" SOLID WHITE | |
| ④ URETHANE PAVEMENT MARKING LINE - 12" SOLID WHITE | ⑩ URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS | |
| ⑤ URETHANE PAVEMENT MARKING LINE - 24" SOLID WHITE | ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY | |
| ⑥ URETHANE PAVEMENT MARKING LINE - 6" SKIP DASH WHITE | ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY | |



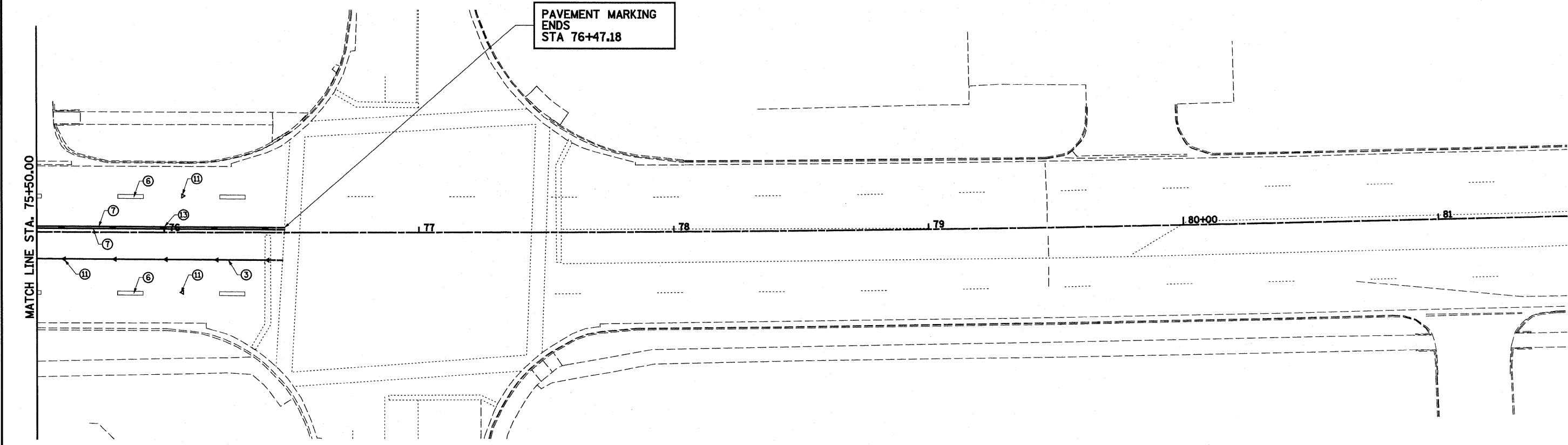
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PLOT DATE = 6/28/2018		DATE - 4-23-08	REVISED -								



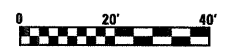
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|--|---|
| ① URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE | ⑧ URETHANE PAVEMENT MARKING LINE - 12" SOLID YELLOW |
| ② URETHANE PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW | ⑨ URETHANE PAVEMENT MARKING LINE - 8" SOLID WHITE |
| ③ URETHANE PAVEMENT MARKING LINE - 6" SOLID WHITE | ⑩ URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS |
| ④ URETHANE PAVEMENT MARKING LINE - 12" SOLID WHITE | ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY |
| ⑤ URETHANE PAVEMENT MARKING LINE - 24" SOLID WHITE | ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY |
| ⑥ URETHANE PAVEMENT MARKING LINE - 6" SKIP DASH WHITE | ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY |
| ⑦ URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW | ⑭ PRISMATIC CURB REFLECTORS |



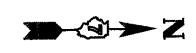
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		CHECKED - BRM	REVISED -		CONTRACT NO. 74293							
		DATE - 4-23-08	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
				SCALE: 1"=20'	SHEET NO. 4 OF 13 SHEETS	STA. 64+00.00 TO STA. 73+81.75						



- | | |
|--|---|
| ① URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE | ⑧ URETHANE PAVEMENT MARKING LINE - 12" SOLID YELLOW |
| ② URETHANE PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW | ⑨ URETHANE PAVEMENT MARKING LINE - 8" SOLID WHITE |
| ③ URETHANE PAVEMENT MARKING LINE - 6" SOLID WHITE | ⑩ URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS |
| ④ URETHANE PAVEMENT MARKING LINE - 12" SOLID WHITE | ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY |
| ⑤ URETHANE PAVEMENT MARKING LINE - 24" SOLID WHITE | ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY |
| ⑥ URETHANE PAVEMENT MARKING LINE - 6" SKIP DASH WHITE | ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY |
| ⑦ URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW | ⑭ PRISMATIC CURB REFLECTORS |

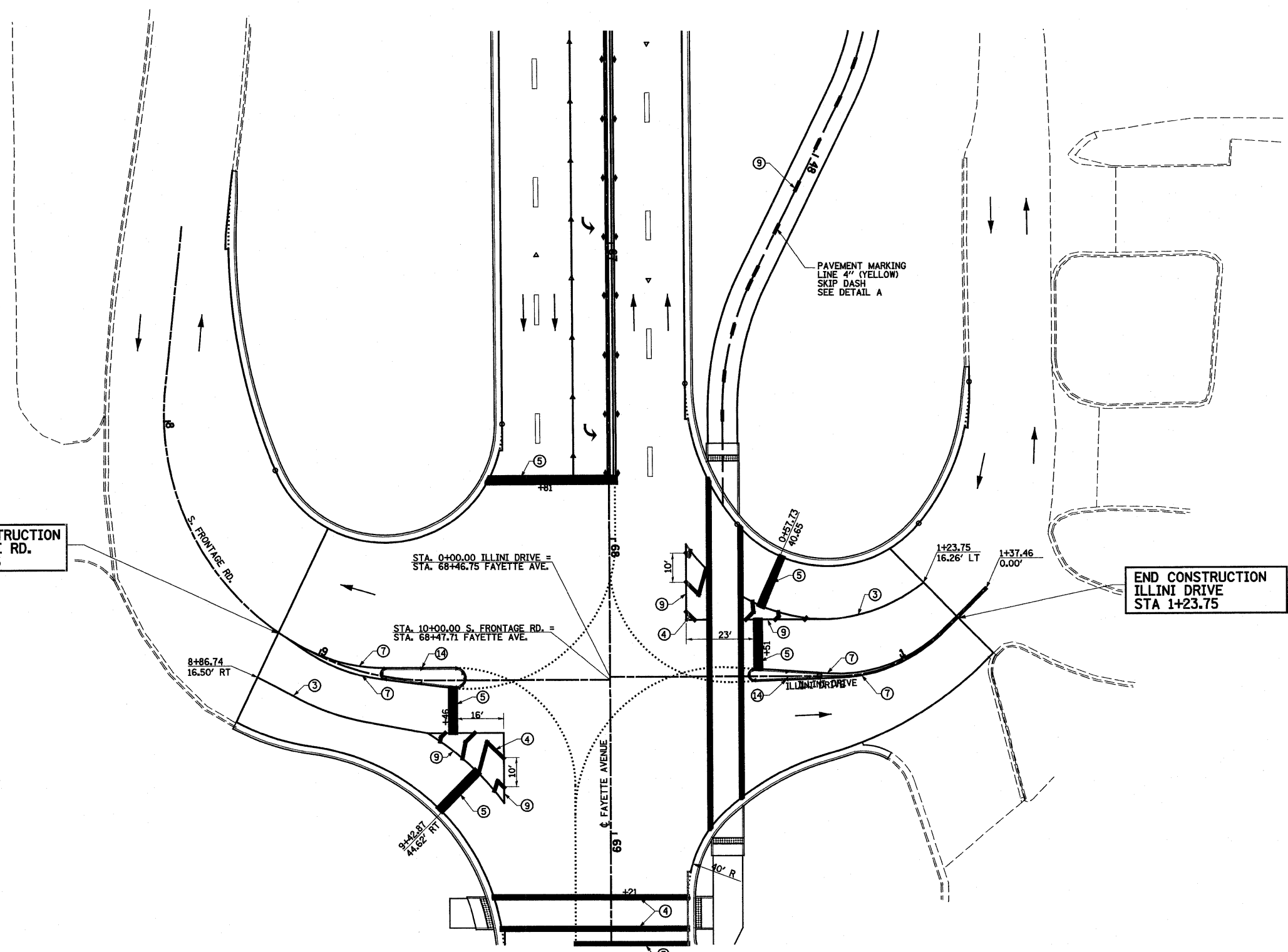


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PLOT DATE = 6/28/2018		DATE - 4-23-08	REVISED -		SCALE: 1"=20'	SHEET NO. 5 OF 13 SHEETS	STA. 75+50.00 STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

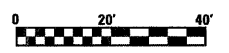
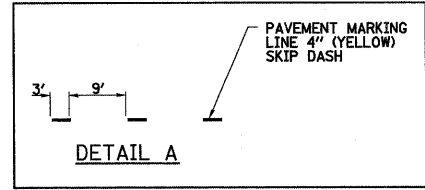


**BEGIN CONSTRUCTION
S. FRONTAGE RD.
STA 8+84.46**

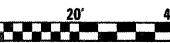
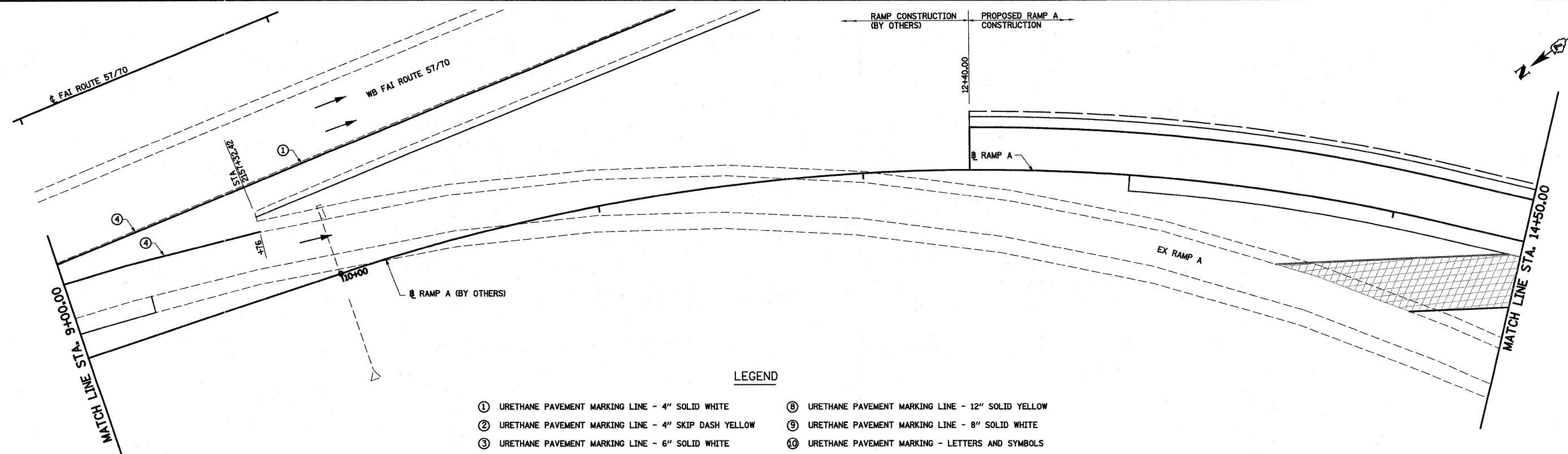
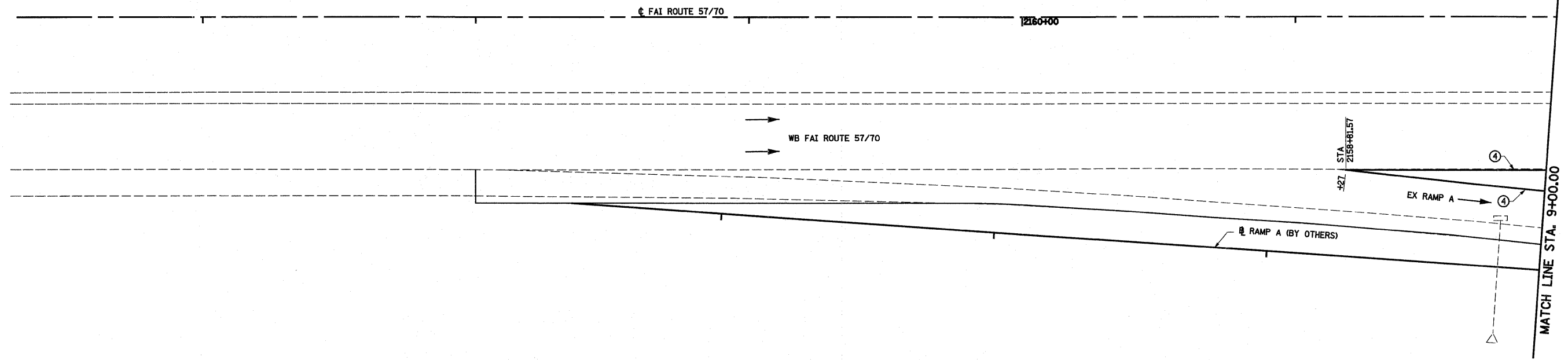
**END CONSTRUCTION
ILLINI DRIVE
STA 1+23.75**



- | | |
|--|---|
| ① URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE | ⑧ URETHANE PAVEMENT MARKING LINE - 12" SOLID YELLOW |
| ② URETHANE PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW | ⑨ URETHANE PAVEMENT MARKING LINE - 8" SOLID WHITE |
| ③ URETHANE PAVEMENT MARKING LINE - 6" SOLID WHITE | ⑩ URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS |
| ④ URETHANE PAVEMENT MARKING LINE - 12" SOLID WHITE | ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY |
| ⑤ URETHANE PAVEMENT MARKING LINE - 24" SOLID WHITE | ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY |
| ⑥ URETHANE PAVEMENT MARKING LINE - 6" SKIP DASH WHITE | ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY |
| ⑦ URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW | ⑭ PRISMATIC CURB REFLECTORS |



FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING, FAYETTE AVENUE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 40.0000 / IN.		CHECKED - BRM	REVISED -					CONTRACT NO. 74293				
PLOT DATE = 6/28/2010		DATE - 4-23-08	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

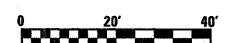
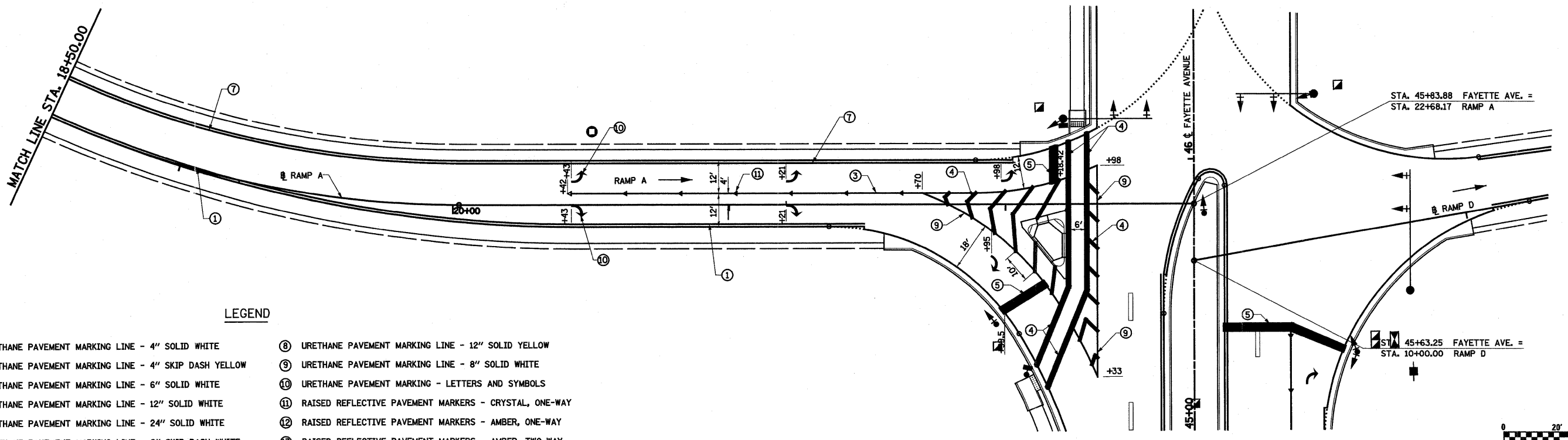
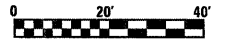
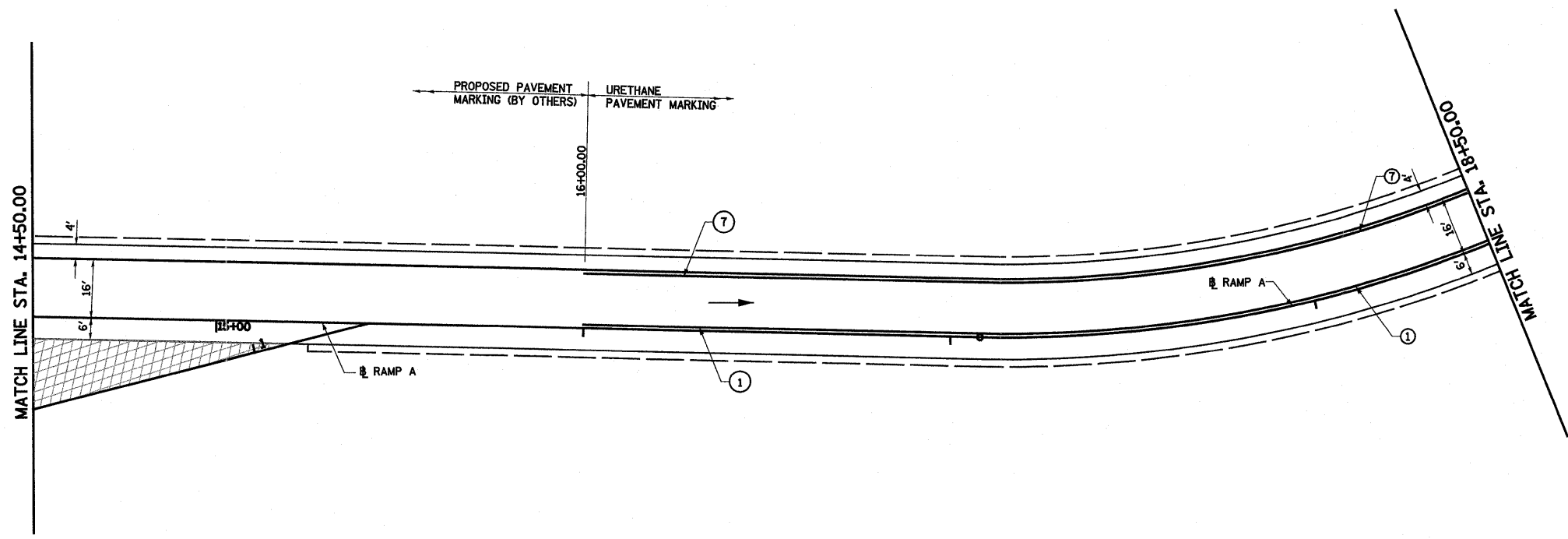


LEGEND

- ① URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② URETHANE PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW
- ③ URETHANE PAVEMENT MARKING LINE - 6" SOLID WHITE
- ④ URETHANE PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑤ URETHANE PAVEMENT MARKING LINE - 24" SOLID WHITE
- ⑥ URETHANE PAVEMENT MARKING LINE - 6" SKIP DASH WHITE
- ⑦ URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ⑧ URETHANE PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑨ URETHANE PAVEMENT MARKING LINE - 8" SOLID WHITE
- ⑩ URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY
- ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY
- ⑭ PRISMATIC CURB REFLECTORS

NOTE:
STATIONING OF FAI ROUTE 57/70 IS REVERSED

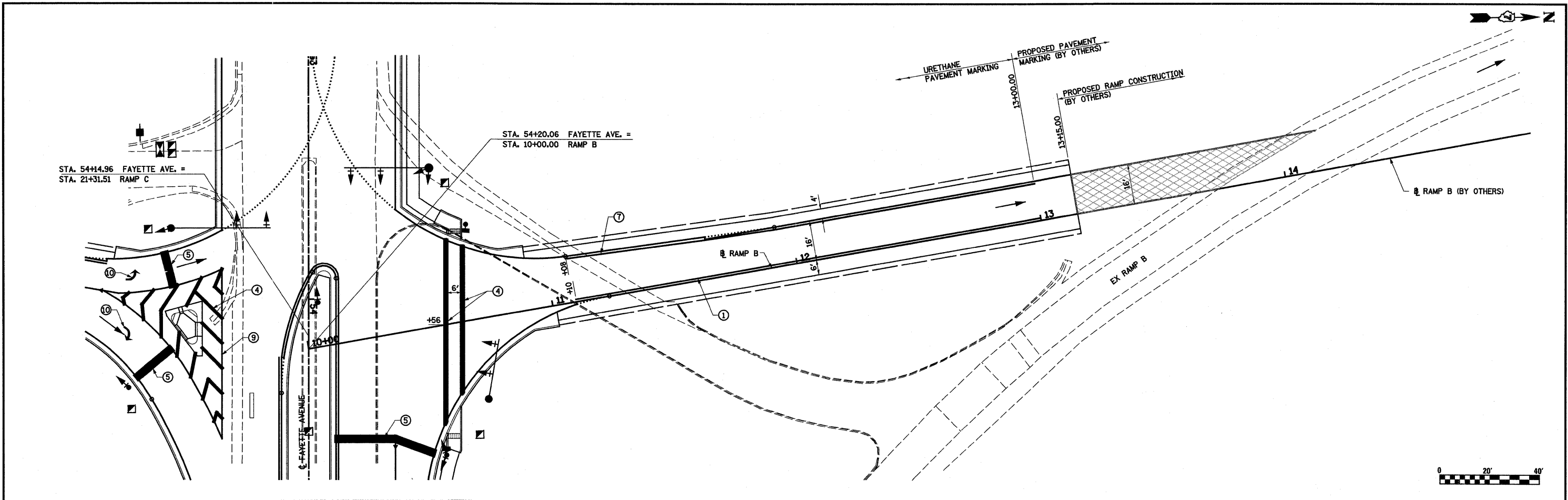
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PLOT SCALE = 40,0000' / IN.		CHECKED - BRM	REVISED -			SCALE: 1"=20'	SHEET NO. 7 OF 13 SHEETS	STA. 5+45.18	TO STA. 14+50.00	CONTRACT NO. 74293		
PLOT DATE = 6/28/2010		DATE - 4-23-08	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						



LEGEND

- | | |
|--|---|
| ① URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE | ⑧ URETHANE PAVEMENT MARKING LINE - 12" SOLID YELLOW |
| ② URETHANE PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW | ⑨ URETHANE PAVEMENT MARKING LINE - 8" SOLID WHITE |
| ③ URETHANE PAVEMENT MARKING LINE - 6" SOLID WHITE | ⑩ URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS |
| ④ URETHANE PAVEMENT MARKING LINE - 12" SOLID WHITE | ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY |
| ⑤ URETHANE PAVEMENT MARKING LINE - 24" SOLID WHITE | ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY |
| ⑥ URETHANE PAVEMENT MARKING LINE - 6" SKIP DASH WHITE | ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY |
| ⑦ URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW | ⑭ PRISMATIC CURB REFLECTORS |

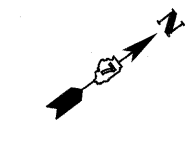
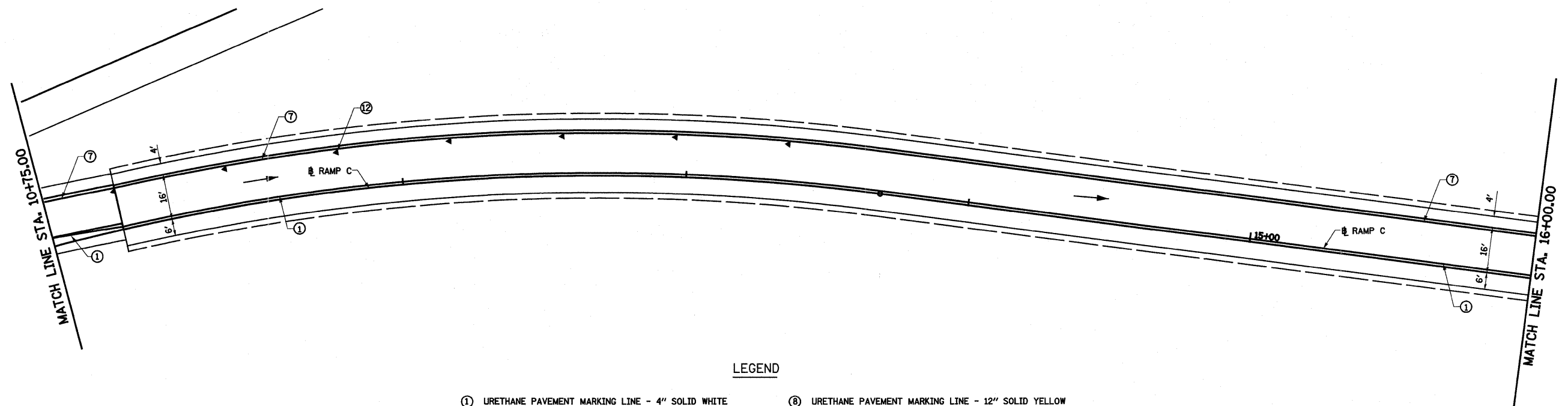
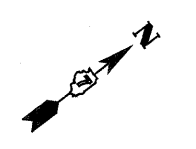
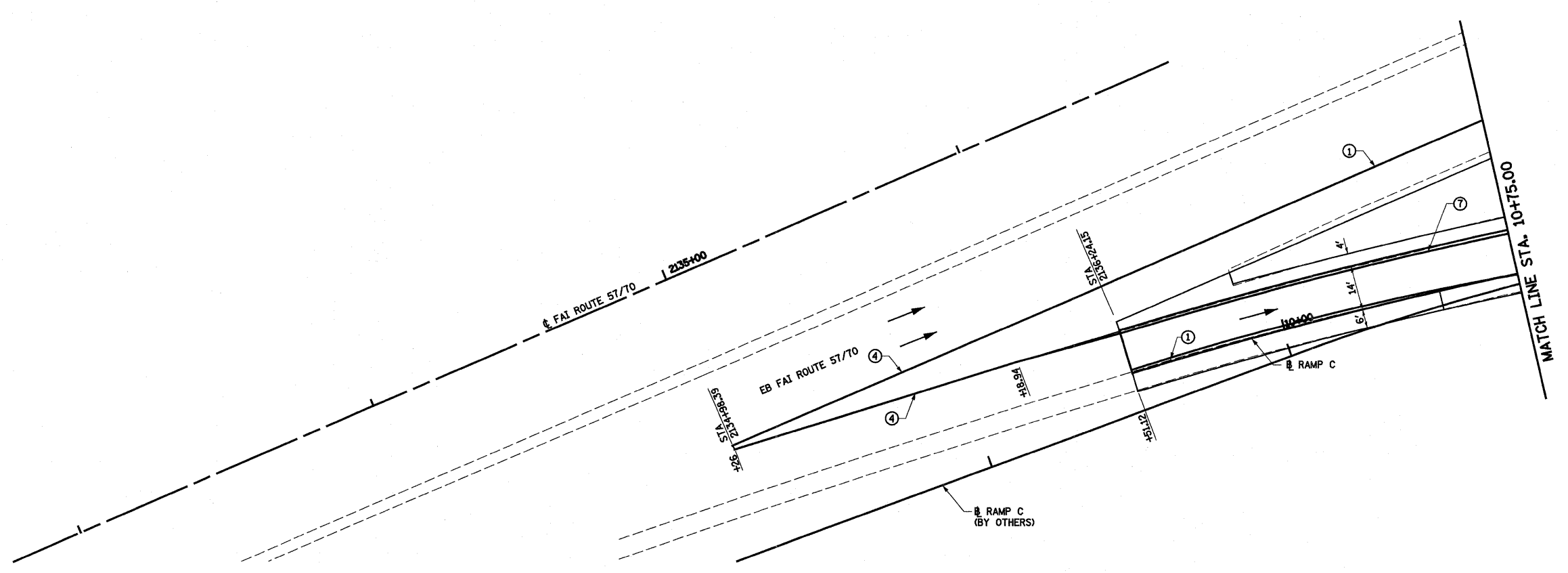
FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING, RAMP A, FAYETTE AVENUE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Projects\403-00072-57-70\dgn\Fayette\pmk20_Ramp.dgn		DRAWN - PDB	REVISED -			57/70	(25-3)-6	EFFINGHAM	839	211	
PLOT SCALE = 40.00000' / IN.		CHECKED - BRM	REVISED -			CONTRACT NO. 74293					
PLOT DATE = 6/28/2010		DATE - 4-23-08	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE: 1"=20'		SHEET NO. 8 OF 13 SHEETS		STA. 14+50.00 TO STA. 22+65.06			



LEGEND

- | | |
|--|---|
| ① URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE | ⑧ URETHANE PAVEMENT MARKING LINE - 12" SOLID YELLOW |
| ② URETHANE PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW | ⑨ URETHANE PAVEMENT MARKING LINE - 8" SOLID WHITE |
| ③ URETHANE PAVEMENT MARKING LINE - 6" SOLID WHITE | ⑩ URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS |
| ④ URETHANE PAVEMENT MARKING LINE - 12" SOLID WHITE | ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY |
| ⑤ URETHANE PAVEMENT MARKING LINE - 24" SOLID WHITE | ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY |
| ⑥ URETHANE PAVEMENT MARKING LINE - 6" SKIP DASH WHITE | ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY |
| ⑦ URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW | ⑭ PRISMATIC CURB REFLECTORS |

FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING, RAMP B, FAYETTE AVENUE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Projects\403-00072.51-70\dgn\Fayette\pml20_Ramp.dgn	DRAWN - PDB	REVISED -	57/70			(25-3)I-6	EFFINGHAM	839	212		
PLOT SCALE = 48.0000' / IN.	CHECKED - BRM	REVISED -	SCALE: 1"=20'			SHEET NO. 9 OF 13 SHEETS		STA. 10+00.00 TO STA. 20+00.00	CONTRACT NO. 74293		
PLOT DATE = 6/28/2010	DATE - 4-23-08	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

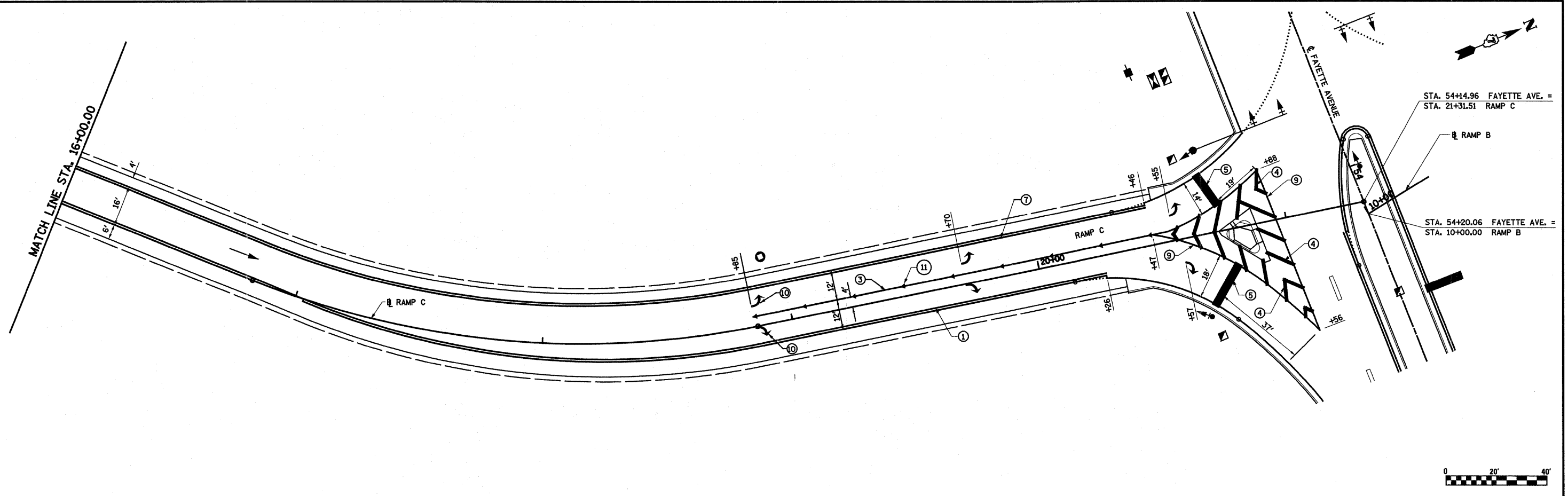


LEGEND

- ① URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② URETHANE PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW
- ③ URETHANE PAVEMENT MARKING LINE - 6" SOLID WHITE
- ④ URETHANE PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑤ URETHANE PAVEMENT MARKING LINE - 24" SOLID WHITE
- ⑥ URETHANE PAVEMENT MARKING LINE - 6" SKIP DASH WHITE
- ⑦ URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ⑧ URETHANE PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑨ URETHANE PAVEMENT MARKING LINE - 8" SOLID WHITE
- ⑩ URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY
- ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY
- ⑭ PRISMATIC CURB REFLECTORS



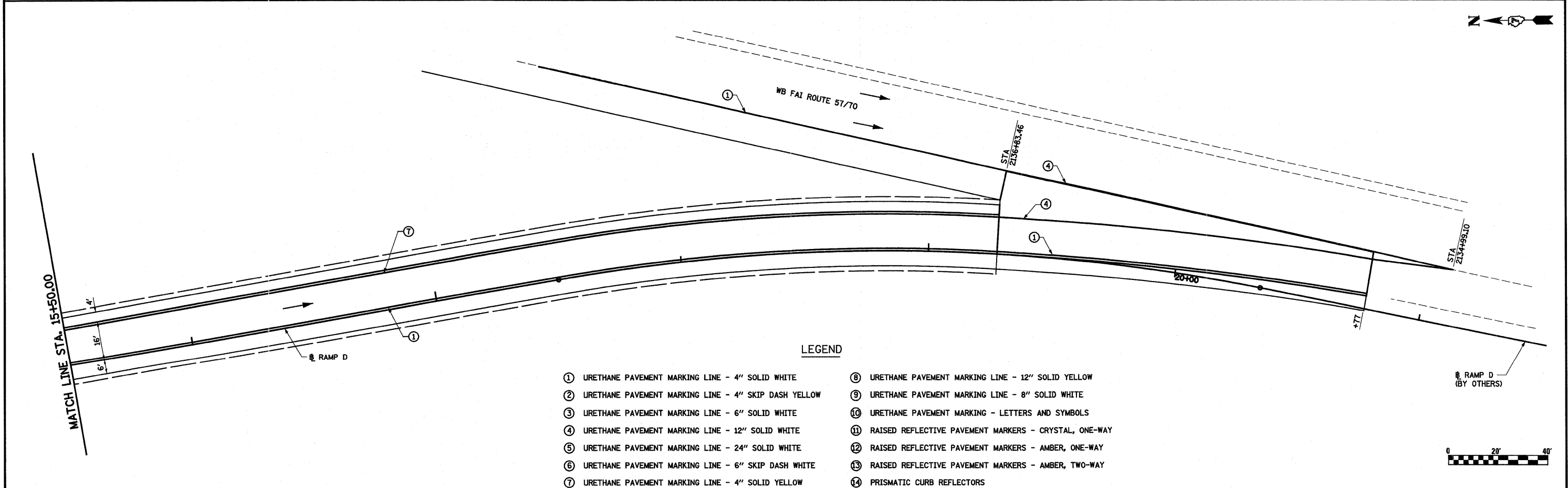
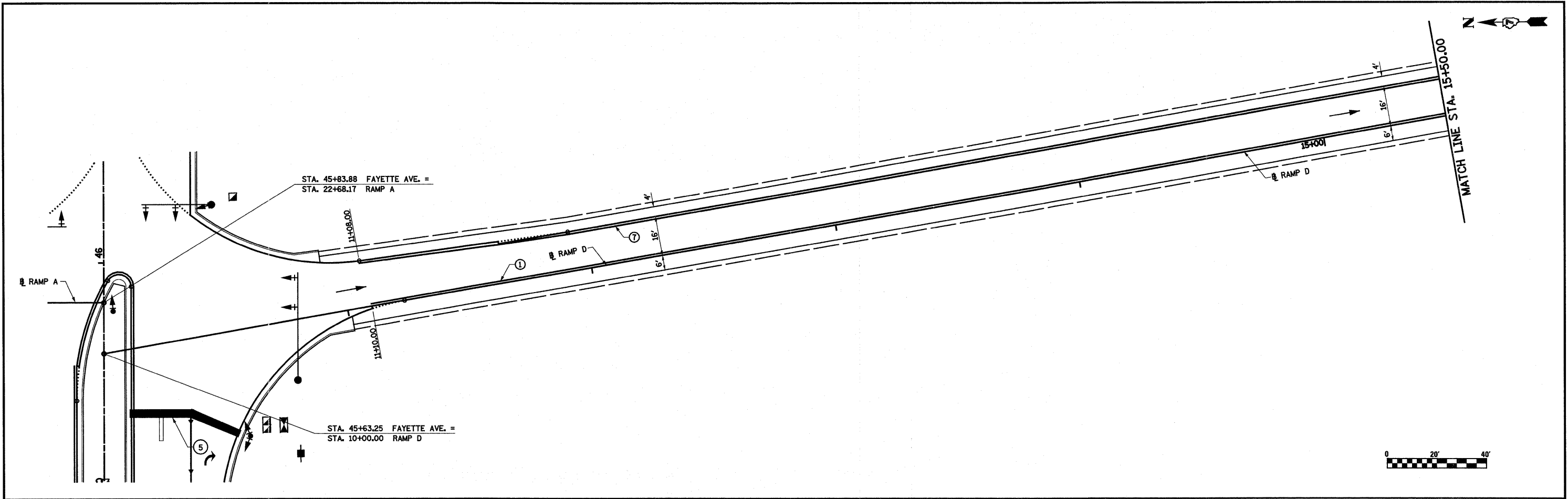
FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING, RAMP C, FAYETTE AVENUE			F.A.I RTE. 57/70	SECTION (25-3)I-6	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 213	
S:\Projects\403-00072-57-70\dgn\Fayette\pmk20_Ramp.dgn					DRAWN - PDB	SCALE: 1"=20'	SHEET NO. 10 OF 13 SHEETS	STA. 10+00.00 TO STA. 16+00.00	CONTRACT NO. 74293				
PLOT SCALE = 40,00000 ' / IN.					CHECKED - BRM				ILLINOIS FED. AID PROJECT				
PLOT DATE = 6/28/2010					DATE - 4-23-08								



LEGEND

- | | |
|--|---|
| ① URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE | ⑧ URETHANE PAVEMENT MARKING LINE - 12" SOLID YELLOW |
| ② URETHANE PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW | ⑨ URETHANE PAVEMENT MARKING LINE - 8" SOLID WHITE |
| ③ URETHANE PAVEMENT MARKING LINE - 6" SOLID WHITE | ⑩ URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS |
| ④ URETHANE PAVEMENT MARKING LINE - 12" SOLID WHITE | ⑪ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY |
| ⑤ URETHANE PAVEMENT MARKING LINE - 24" SOLID WHITE | ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY |
| ⑥ URETHANE PAVEMENT MARKING LINE - 6" SKIP DASH WHITE | ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY |
| ⑦ URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW | ⑭ PRISMATIC CURB REFLECTORS |

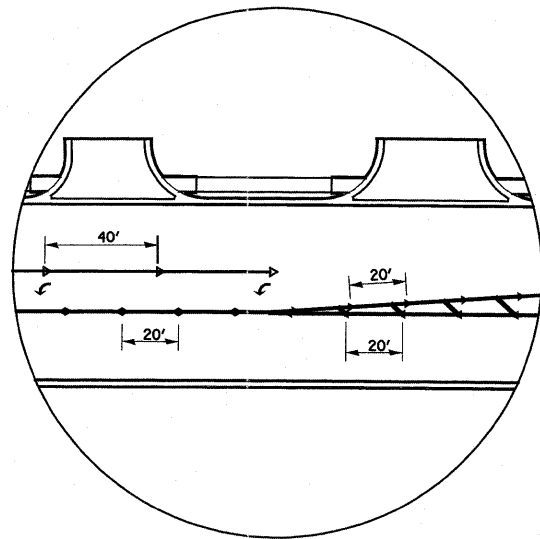
FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING, RAMP C, FAYETTE AVENUE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
S:\Projects\403-00072-57-70\dgn\Fayette\Task20_Ramp.dgn		DRAWN - PDB	REVISED -			57/70	(25-3)1-6	EFFINGHAM	839	214		
PLOT SCALE = 40.0000' / IN.		CHECKED - BRM	REVISED -			SCALE: 1"=20'		SHEET NO. 11 OF 13 SHEETS		STA. 16+00.00 TO STA. 21+31.51	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
PLOT DATE = 6/28/2010		DATE - 4-23-08	REVISED -			CONTRACT NO. 74293						



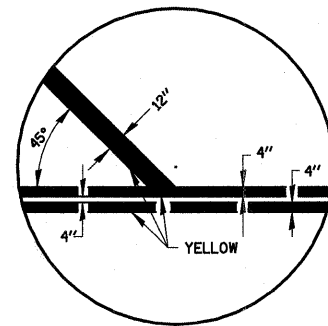
LEGEND

- ① URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② URETHANE PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW
- ③ URETHANE PAVEMENT MARKING LINE - 6" SOLID WHITE
- ④ URETHANE PAVEMENT MARKING LINE - 12" SOLID WHITE
- ⑤ URETHANE PAVEMENT MARKING LINE - 24" SOLID WHITE
- ⑥ URETHANE PAVEMENT MARKING LINE - 6" SKIP DASH WHITE
- ⑦ URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ⑧ URETHANE PAVEMENT MARKING LINE - 12" SOLID YELLOW
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- ⑩ URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS
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- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY
- ⑬ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY
- ⑭ PRISMATIC CURB REFLECTORS

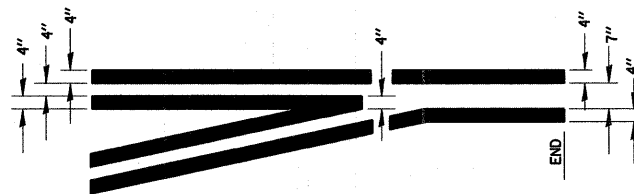
FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING, RAMP D, FAYETTE AVENUE	F.A.I. RTE. 57/70	SECTION (25-3)1-6	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 215	
PLOT SCALE = 40,00000' / IN.						SCALE: 1"=20'	SHEET NO. 12 OF 13 SHEETS	STA. 10+00.00 TO STA. 21+00.00	CONTRACT NO. 74293		
PLOT DATE = 6/28/2010											
DATE - 4-23-08						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



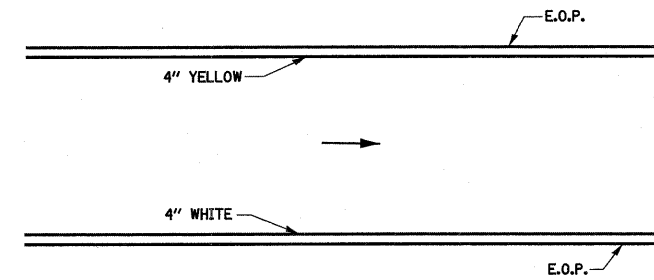
TYPICAL R.P.M. SPACING



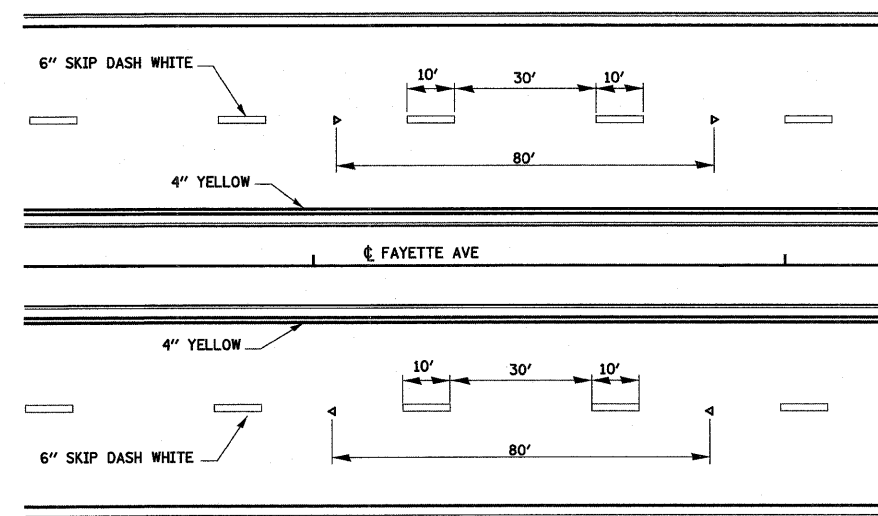
TYPICAL DIAGONAL APPLICATION



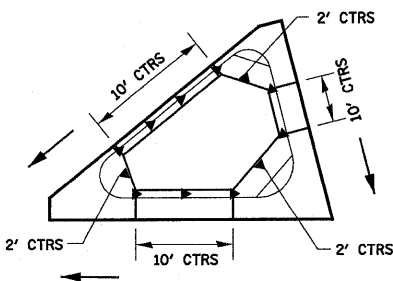
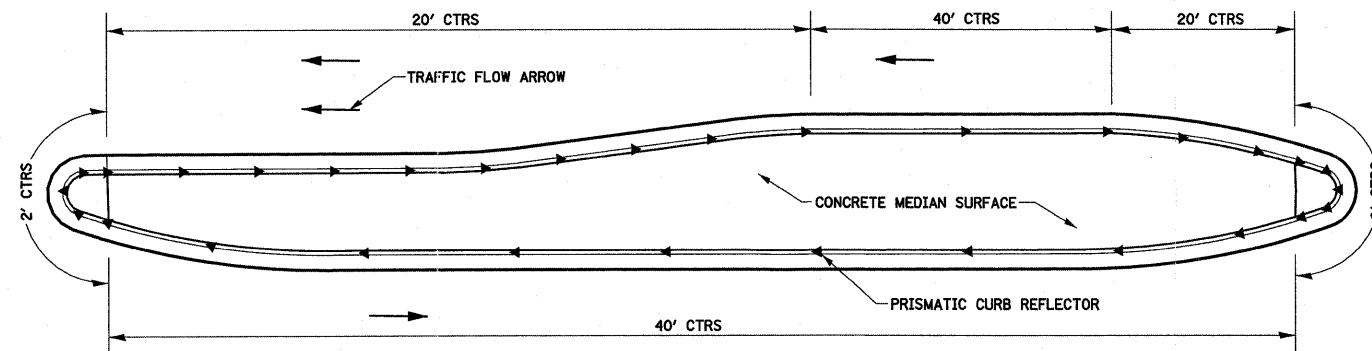
TYPICAL APPLICATION AT LEFT TURN LANES



PAVEMENT MARKING DETAIL FOR RAMP



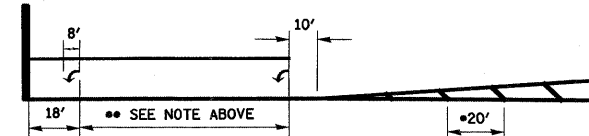
PAVEMENT MARKING DETAIL FOR FAYETTE AVE.



TYPICAL PLACEMENT OF PRISMATIC CURB REFLECTORS

- NOTES:
1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
 2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
 3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.

•• PLACE THE FIRST ARROW EVEN WITH THE BEGINNING OF THE TURN BAY. PLACE ANOTHER ARROW 18' BACK FROM THE STOP BAR. IF REQUIRED, ADD ADDITIONAL ARROWS TO MAINTAIN A MAXIMUM OF 80' SPACING.



• DIAGONAL SPACING

- SPEED LIMIT < 30 MPH = 15'
- SPEED LIMIT 30 TO 45 MPH = 20'
- SPEED LIMIT > 45 MPH = 30'

TYPICAL TURN LANE MARKINGS

FILE NAME =	USER NAME = psw1	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING, MISCELLANEOUS DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\403-00072-57-70\dgn\Fayette\pavk_misadetail.dgn	DRAWN - PDB	REVISED -	57/70			(25-3)1-6	EFFINGHAM	839	216	
PLOT SCALE = 1/8" = 20'-0" / IN.	CHECKED - BRM	REVISED -	CONTRACT NO. 74293							
PLOT DATE = 6/24/2010	DATE - 4-23-08	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO. 13 OF 13 SHEETS	STA.	TO STA.			

NOTES:

1. THE SIGN STRUCTURE PLANS WERE PREPARED BASED ON THE ASSUMPTION OF AVERAGE COHESIVE SOILS AND A MINIMUM QU OF 1.0 TONS/S.F. THE RESIDENT ENGINEER SHALL CONTACT THE BUREAU OF MATERIALS 60 DAYS PRIOR TO THE CONTRACTOR'S ORDERING OF MATERIALS TO CONFIRM THE QU AND COHESIVE SOIL PROPERTIES ARE SUFFICIENT. IF NECESSARY, THE SIGN STRUCTURE FOUNDATIONS WILL BE RE-DESIGNED BY THE DEPARTMENT, AND THE CONTRACTOR WILL BE COMPENSATED FOR THE ACTUAL FOUNDATION DEPTH USED.
2. THE SHEETING FOR THE QUANTITY OF SIGN PANEL TYPE 3 INCLUDED IN THIS CONTRACT FOR SPEED LIMIT SIGNS SHALL BE OF THE SAME TYPE AS SIGN PANEL TYPE 1 AND 2. THE GUIDE SIGNS DETAILED ON THE PLANS SHALL USE TYPE ZZ.

SIGNING SCHEDULE

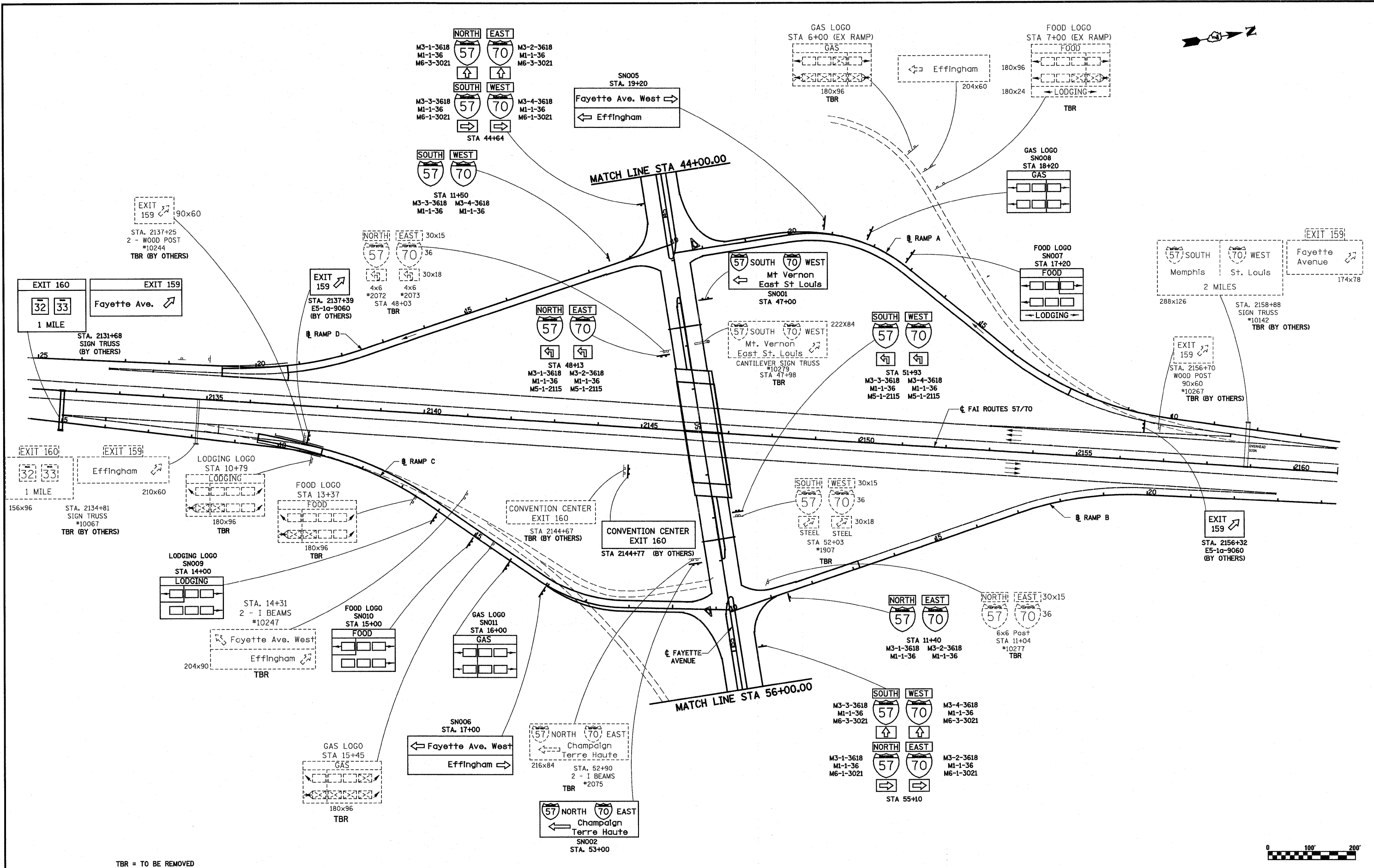
LOCATION			STRUCTURE NUMBER OR SIGN TYPE	REINFORCEMENT BARS*	SIGN PANEL TYPE 1	SIGN PANEL TYPE 3	REMOVE SIGN PANEL TYPE 3	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY (POUND)	TUBULAR STEEL SIGN SUPPORT - BREAKAWAY (POUND)	WOOD SIGN SUPPORT (FOOT)	CONCRETE FOUNDATIONS (CU YD)	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER (EACH)	REMOVE GROUND MOUNTED SIGN SUPPORT (EACH)	REMOVE CONCRETE FOUNDATION - GROUND MOUNT (EACH)	REMOVE CONCRETE FOUNDATION - OVERHEAD (EACH)
STATION	ROADWAY	SIDE		(POUND)	(SQ FT)	(SQ FT)	(SQ FT)								
STA 37+85	FAYETTE	RT	M2-1-3021 & M1-1-36		22.38					18					
STA 39+00	FAYETTE	RT	SNO03	390		409.50		4263.8			6.7				
STA 39+14	FAYETTE	RT					47					2		2	
STA 43+25	FAYETTE	RT	M3-1-3618 & M3-2-3618	214	9.00			1386.6			2.8				
STA 43+25	FAYETTE	RT	M3-3-3618 & M3-4-3618		9.00										
STA 43+25	FAYETTE	RT	M6-3-3021 & M6-1-3021		17.50										
STA 43+25	FAYETTE	RT	M1-1-36		36.00										
STA 44+64	FAYETTE	RT	M3-1-3618 & M3-2-3618	214	9.00			1386.6			2.8				
STA 44+64	FAYETTE	RT	M3-3-3618 & M3-4-3618		9.00										
STA 44+64	FAYETTE	RT	M6-3-3021 & M6-1-3021		17.50										
STA 44+64	FAYETTE	RT	M1-1-36		36.00										
STA 47+00	FAYETTE	LT	SNO01	244		210.00		1868.5			4.2				
STA 47+98	FAYETTE	LT	EX. STRUCTURE									1			1
STA 48+13	FAYETTE	RT	M3-1-3618 & M3-2-3618	92	9.00			474.1			1.4				
STA 48+13	FAYETTE	RT	M1-1-36 & M5-1-2115		22.38										
STA 51+93	FAYETTE	LT	M3-3-3618 & M3-4-3618	92	9.00			451.8			0.7				
STA 51+93	FAYETTE	LT	M1-1-36 & M5-1-2115		22.38						0.7				
STA 52+90	FAYETTE	RT					126					2		2	
STA 53+00	FAYETTE	RT	SNO02	244		210.00		1909.5			4.2				
STA 55+10	FAYETTE	LT	M3-3-3618 & M3-4-3618	214	9.00			1356.4			2.8				
STA 55+10	FAYETTE	LT	M3-1-3618 & M3-2-3618		9.00										
STA 55+10	FAYETTE	LT	M6-3-3021 & M6-1-3021		17.50										
STA 55+10	FAYETTE	LT	M1-1-36		36.00										
STA 58+00	FAYETTE	LT	M3-3-3618 & M3-4-3618	214	9.00			1349.9			2.8				
STA 58+00	FAYETTE	LT	M3-1-3618 & M3-2-3618		9.00										
STA 58+00	FAYETTE	LT	M6-3-3021 & M6-1-3021		17.50										
STA 58+00	FAYETTE	LT	M1-1-36		36.00										
STA 63+33	FAYETTE	LT	SNO04	390		409.50		4458.6			6.7				
STA 63+85	FAYETTE	LT					280					2		2	
STA 66+00	FAYETTE	LT	M2-1-3021 & M1-1-36		22.38				17						
STA 6+00	EX RAMP A	LT					120					2		2	
STA 6+50	EX RAMP A	LT					85					2		2	
STA 7+00	EX RAMP A	LT					150					2		2	
STA 17+20	RAMP A	RT	SNO07	184		125.00		1006.5			2.4				
STA 18+20	RAMP A	RT	SNO08	156		100.00		721.4			1.4				
STA 19+20	RAMP A	RT	SNO05	234		175.00		1045.4			2.1				
STA 11+40	RAMP B	RT	M3-1-3618 & M3-2-3618		9.00				18						
STA 11+40	RAMP B	RT	M1-1-36		18.00										
STA 10+79	RAMP C	RT					120					2		2	
STA 13+37	RAMP C	RT					120					2		2	
STA 14+00	RAMP C	RT	SNO09	156		100.00		724.5			1.4				
STA 14+31	RAMP C	LT					128					2		2	
STA 15+00	RAMP C	RT	SNO10	156		100.00		721.5			1.4				
STA 15+45	RAMP C	RT					120					2		2	
STA 16+00	RAMP C	RT	SNO11	156		100.00		721.5			1.4				
STA 17+00	RAMP C	RT	SNO06	276		175.00		1327.3			3.5				
STA 11+50	RAMP D	RT	M3-3-3618 & M3-4-3618		9.00				18						
STA 11+50	RAMP D	RT	M1-1-36		18.00										
PAY TOTAL				3626	448	2114	1296	24248	926	71	49.4	1	20	20	1

* FOR INFORMATION ONLY

SIGNING INDEX

- 217 SIGNING SCHEDULE
- 218-219 GUIDE SIGNING PLAN
- 220-222 SIGN PANEL DETAILS
- 223-226 BREAKAWAY POST DETAILS

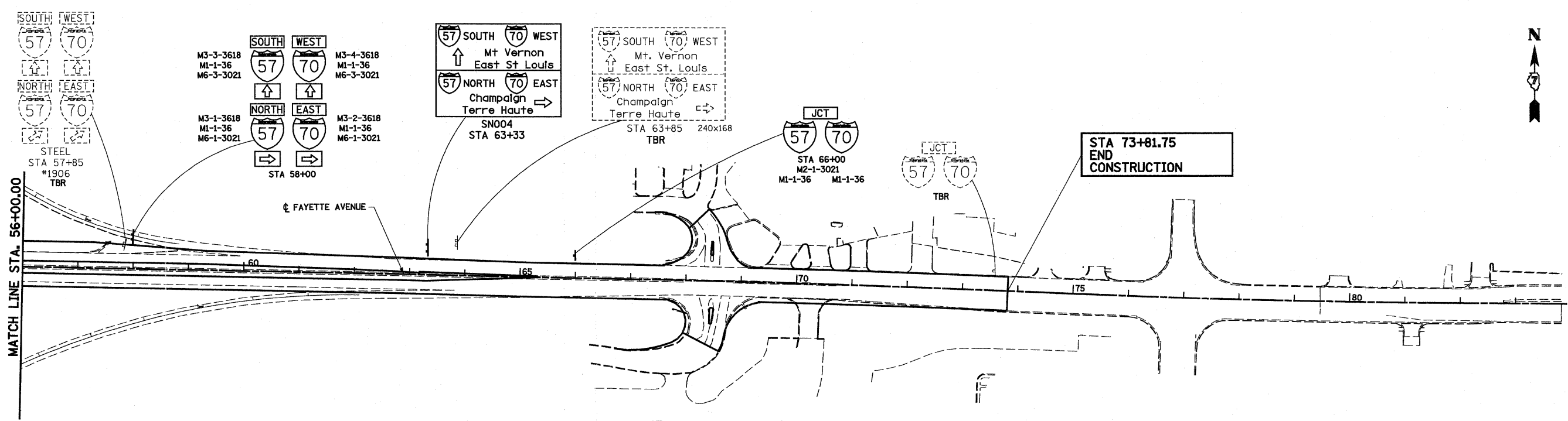
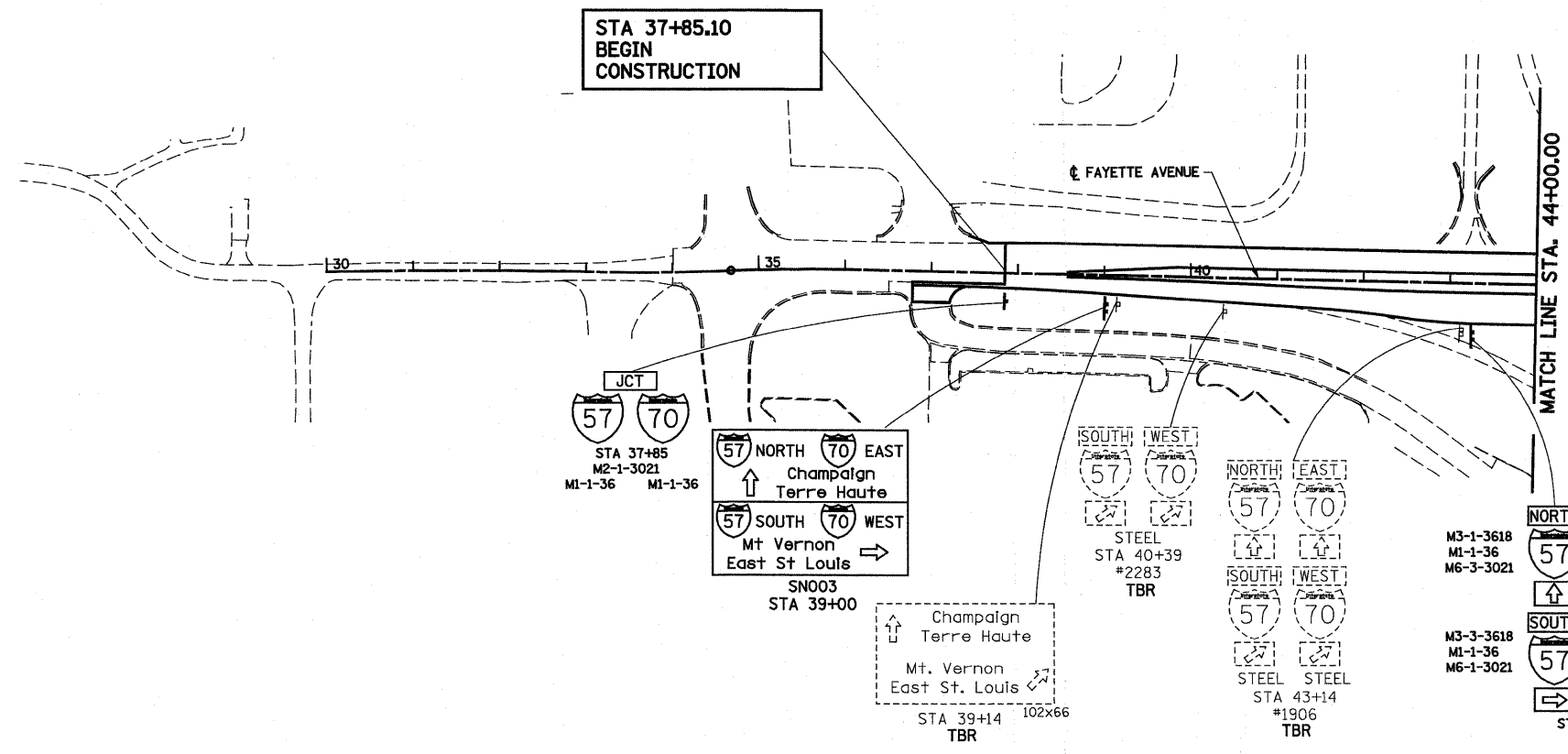
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S:\Projects\03\0072-57-78\Sign\Fayette\signing.ppt	PLOT SCALE = 200.0000' / IN.	DRAWN - PDB	REVISED -			57/70	(25-3)I-6	EFFINGHAM	839	217	
PLOT DATE = 6/25/2010	DATE -	CHECKED - BRM	REVISED -			CONTRACT NO. 74293					
		SCALE: 1"=100'	REVISID -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



TBR = TO BE REMOVED



FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUIDE SIGNING PLAN			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\p\proj\403\0072-57-70\sign\signing.dgn		DRAWN - PDB	REVISED -		SCALE: 1"=100'	SHEET NO. 2 OF 10 SHEETS	STA. 2131+00.00 TO STA. 2161+00.00	57/70	(25-3)I-6	EFFINGHAM	839	218
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		DATE - 6-15-09	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

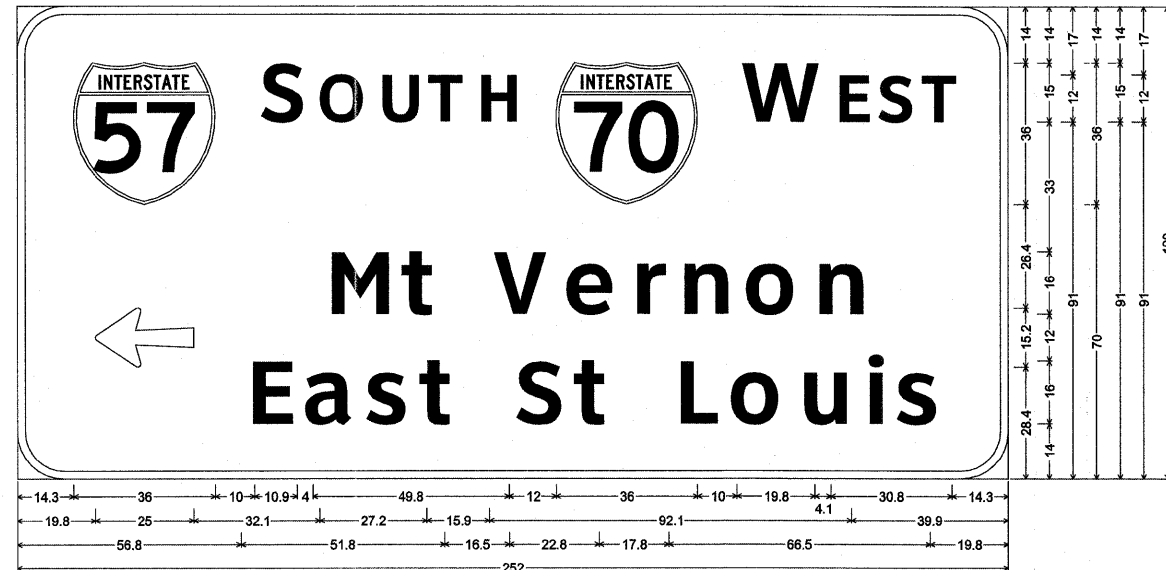


TBR = TO BE REMOVED



FILE NAME = S:\projects\483\8872\57-70\Sign\Fayette\usrgrnd.dgn	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUIDE SIGNING PLAN			F.A.I. RTE. 57/70	SECTION (25-31)-6	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 219
	PLOT SCALE = 200.0000' / IN.	DRAWN - PDB	REVISED -		SCALE: 1"=100'	SHEET NO. 3 OF 10 SHEETS	STA. 32+71.37 TO STA. 73+81.75	CONTRACT NO. 94293				
	PLOT DATE = 6/25/2010	CHECKED - BRM	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

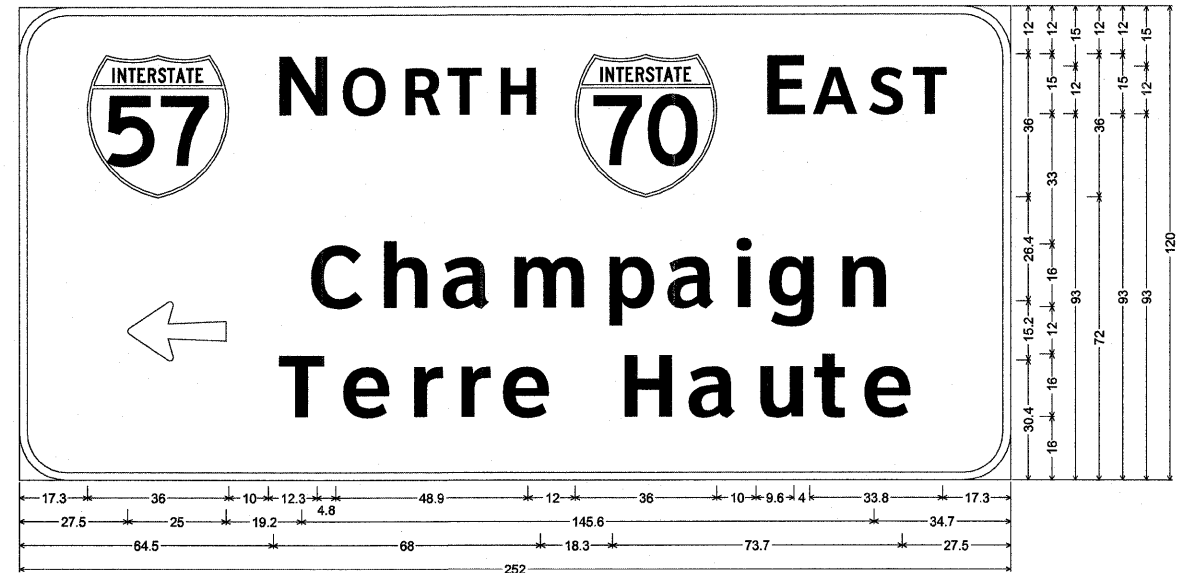
SN001
SIGN ON 2 I BEAMS
STA 47+00 (FAYETTE AVE.)



12.0" Radius, 2.0" Border, White on Green;
[S] ClearviewHwy-5-W; [OUTH] ClearviewHwy-5-W; [W] ClearviewHwy-5-W; [EST] ClearviewHwy-5-W; Arrow 80 - 25.0° 180°;
[Mt Vernon] ClearviewHwy-5-W; [East St Louis] ClearviewHwy-5-W;
Table of widths and spaces.

14.3	36.0	10.0	10.9	4.0	11.1	4.3	9.3	3.6	8.7	3.8	9.2	12.0	36.0	10.0	19.8	4.1	7.7	3.1	8.7	2.6	8.7	14.3
19.8	25.0	32.1	14.7	4.6	7.9	15.9	13.6	3.8	11.8	5.4	7.3	4.7	11.2	5.4	12.4	5.4	11.1	39.9				
56.8	10.2	4.3	11.9	3.8	10.2	3.5	7.9	16.5	11.5	3.5	7.8	17.8	9.4	4.2	12.4	5.4	10.9	5.7	3.8	4.5	10.2	19.8

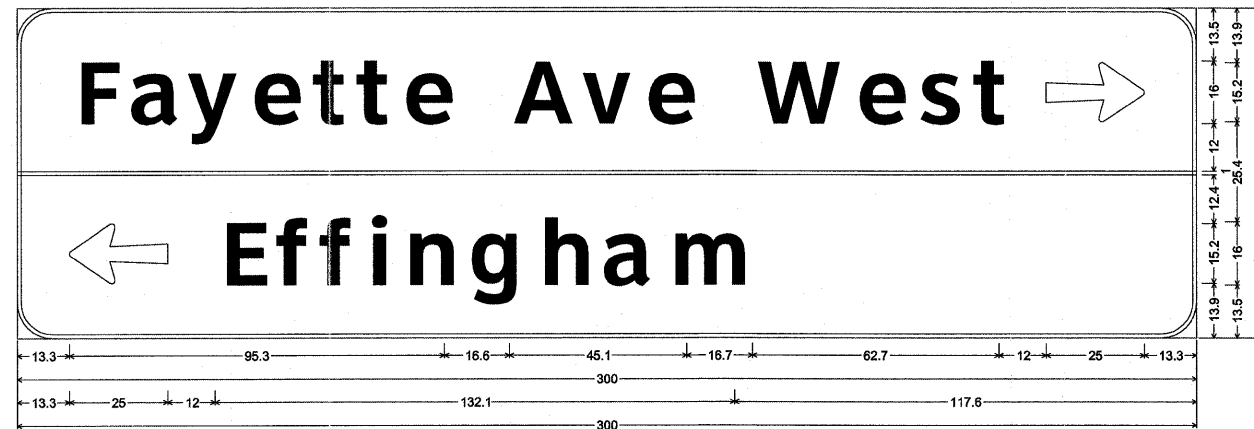
SN002
SIGN ON 2 I BEAMS
STA 53+00 (FAYETTE AVE.)



12.0" Radius, 2.0" Border, White on Green;
[N] ClearviewHwy-5-W; [ORTH] ClearviewHwy-5-W; [E] ClearviewHwy-5-W; [AST] ClearviewHwy-5-W; Arrow 80 - 25.0° 180°;
[Champaign] ClearviewHwy-5-W; [Terre Haute] ClearviewHwy-5-W;
Table of widths and spaces.

17.3	36.0	10.0	12.3	4.8	11.2	4.3	9.0	2.9	8.7	3.8	9.2	12.0	36.0	10.0	9.6	4.0	11.3	2.5	8.7	2.7	8.6	17.3
27.5	25.0	19.2	13.0	4.9	11.1	5.1	11.9	5.1	18.1	6.0	11.6	4.4	12.0	4.7	3.8	5.0	11.7	6.0	11.2	34.7		
64.5	11.6	4.1	11.7	5.5	7.3	4.7	7.3	4.1	11.7	18.3	12.3	5.2	12.0	5.0	11.0	4.4	7.8	4.2	11.8	27.5		

SN005
SIGN ON 3 I BEAMS
STA 19+20 (FAYETTE RAMP A)



9.0" Radius, 1.0" Border, White on Green;
[Fayette Ave West] ClearviewHwy-5-W; Arrow 80 - 25.0° 0°; Arrow 80 - 25.0° 180°; [Effingham] ClearviewHwy-5-W;
Table of widths and spaces.

13.3	9.7	4.2	11.9	3.1	12.5	3.6	11.7	3.8	7.9	3.2	7.8	4.2	11.7	16.6	15.0	2.5	12.2	3.6	11.8	16.7	21.2	4.0	11.8	4.1	10.2	3.6	7.8	12.0	25.0	13.3
-0.0	300.0	0.0																												
13.3	25.0	12.0	10.2	3.9	7.7	3.3	7.8	4.2	3.8	5.7	11.1	5.4	11.7	6.1	11.1	5.0	12.0	5.0	18.1	117.6										

SN006
SIGN ON 3 I BEAMS
STA 17+00 (FAYETTE RAMP C)



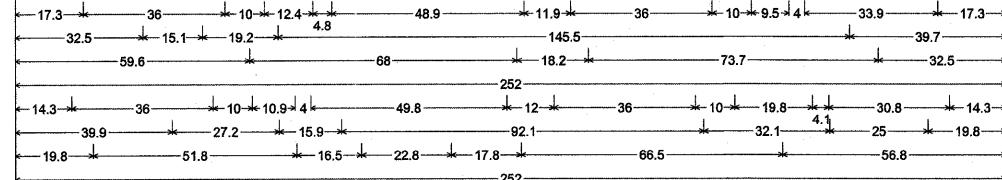
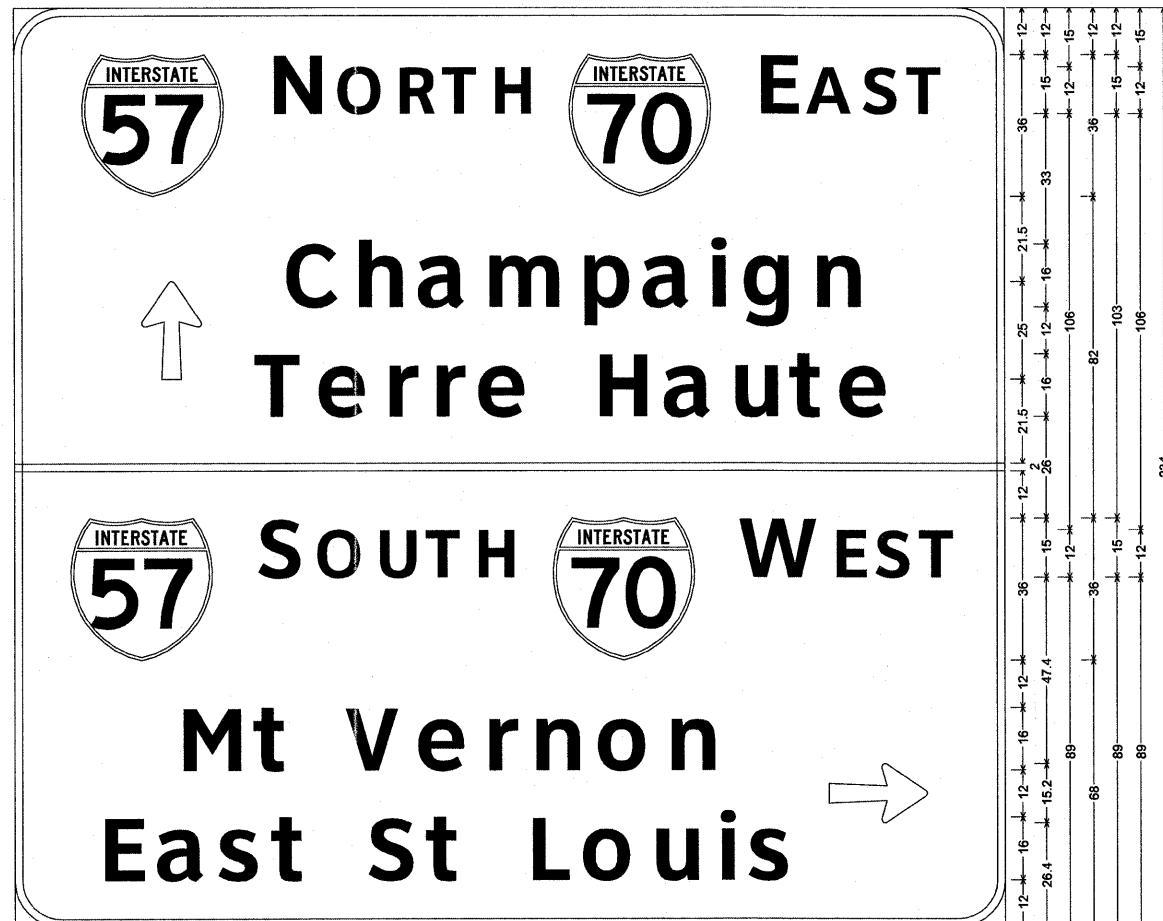
9.0" Radius, 1.0" Border, White on Green;
Arrow 80 - 25.0° 180°; [Fayette Ave West] ClearviewHwy-5-W; [Effingham] ClearviewHwy-5-W; Arrow 80 - 25.0° 0°;
Table of widths and spaces.

13.3	25.0	12.0	9.7	4.2	11.9	3.1	12.5	3.6	11.7	3.8	7.9	3.2	7.8	4.2	11.7	16.6	15.0	2.5	12.2	3.6	11.8	16.7	21.2	4.0	11.8	4.1	10.2	3.6	7.8	13.3
-0.0	300.0	0.0																												
117.6	10.2	3.9	7.8	3.2	7.8	4.2	3.8	5.7	11.1	5.5	11.6	6.1	11.1	5.1	11.9	5.1	18.0	12.0	25.0	13.3										

NOT TO SCALE

FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DETAILS, FAYETTE AVE.			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\403-00072-57-70\dgn\Fayette\sign panel.dgn	DRAWN - LEC	REVISED -	57/70					(25-3)I-6	EFFINGHAM	839	220	
PLOT SCALE = 100.0000' / IN.	CHECKED - BRM	REVISED -	CONTRACT NO. 74293									
PLOT DATE = 6/24/2018	DATE - 3-15-09	REVISED -	FED. ROAD DIST. NO.					ILLINOIS FED. AID PROJECT				
				SCALE: 1"=50'			SHEET NO. 4 OF 10 SHEETS	STA.	TO STA.			

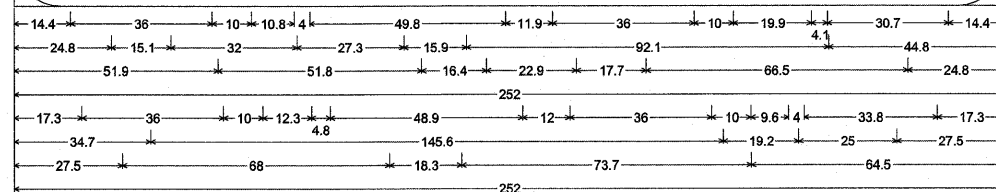
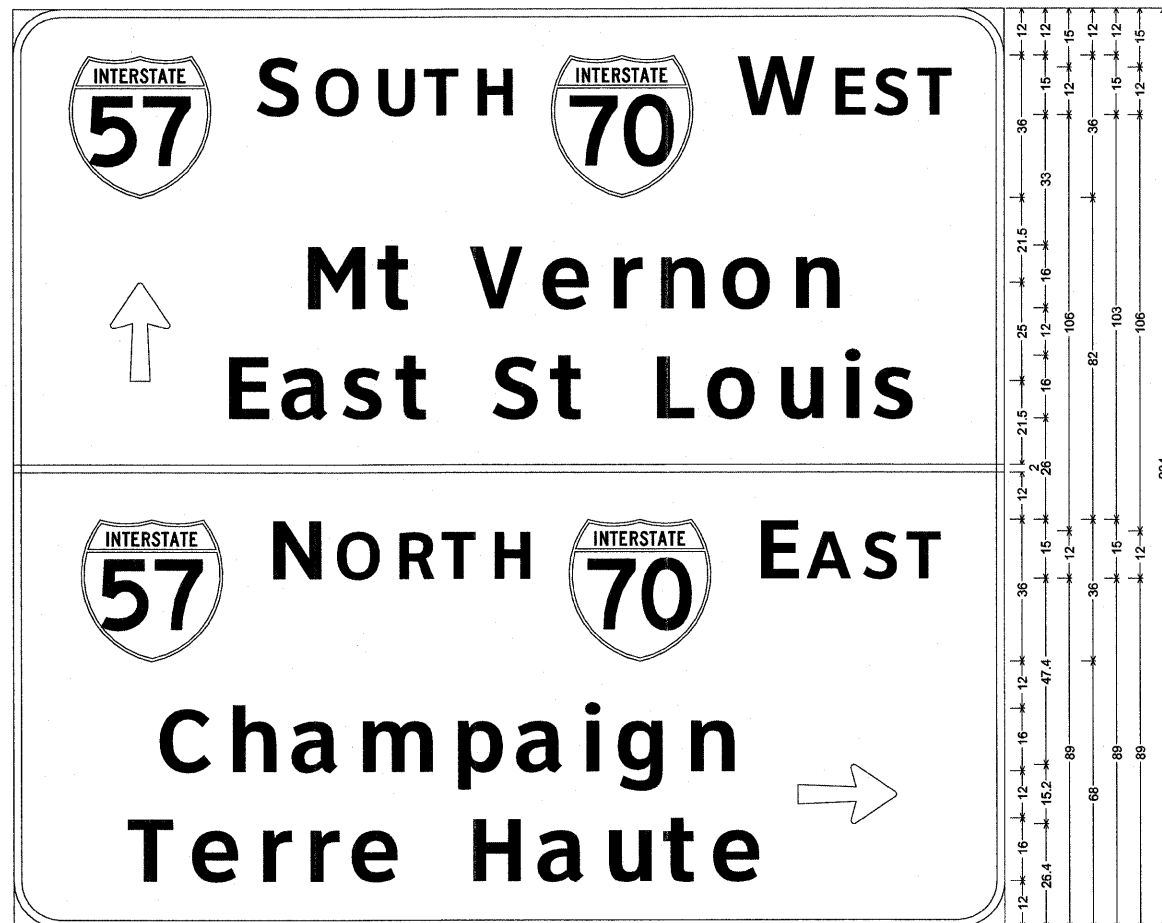
SN003
SIGN ON 3 I BEAMS
STA 39+00 (FAYETTE AVE.)



12.0" Radius, 2.0" Border, White on Green;
[N] ClearviewHwy-5-W; [ORTH] ClearviewHwy-5-W; [E] ClearviewHwy-5-W; [AST] ClearviewHwy-5-W; Arrow 80 - 25.0° 90°;
[Champaign] ClearviewHwy-5-W; [Terre Haute] ClearviewHwy-5-W; [S] ClearviewHwy-5-W; [OUTH] ClearviewHwy-5-W; [N] ClearviewHwy-5-W;
[EST] ClearviewHwy-5-W; [Mt Vernon] ClearviewHwy-5-W; [East St Louis] ClearviewHwy-5-W; Arrow 80 - 25.0° 0°;
Table of widths and spaces.

17.3	36.0	10.0	12.4	4.8	11.1	4.4	9.0	2.9	8.7	3.6	9.2	11.9	36.0	10.0	9.5	4.0	11.3	2.6	8.6	2.7	8.7	17.3
32.5	15.1	19.2	13.0	4.9	11.1	5.1	11.9	5.1	18.0	6.1	11.6	4.4	11.9	4.7	3.8	5.1	11.7	6.0	11.1	39.7		
59.6	4.0	11.8	5.4	7.3	4.7	7.4	4.0	11.8	18.2	12.3	5.3	11.9	5.1	10.9	4.4	7.9	4.2	11.7	32.5			
-0.0	252.0	0.0																				
14.3	36.0	10.0	10.9	4.0	11.1	4.3	9.3	3.6	8.7	3.6	9.2	12.0	36.0	10.0	11.3	4.1	7.7	3.1	8.7	2.6	8.7	14.3
39.9	14.7	4.6	7.9	15.9	13.6	3.8	11.8	5.4	7.3	4.7	11.2	5.4	12.4	5.4	11.1	32.1	25.0	19.8				
19.8	10.2	4.3	11.9	3.8	10.2	3.5	7.9	16.5	11.5	3.5	7.8	17.8	9.4	4.2	12.4	5.4	10.9	5.7	3.8	4.5	10.2	56.8

SN004
SIGN ON 3 I BEAMS
STA 63+00 (FAYETTE AVE.)



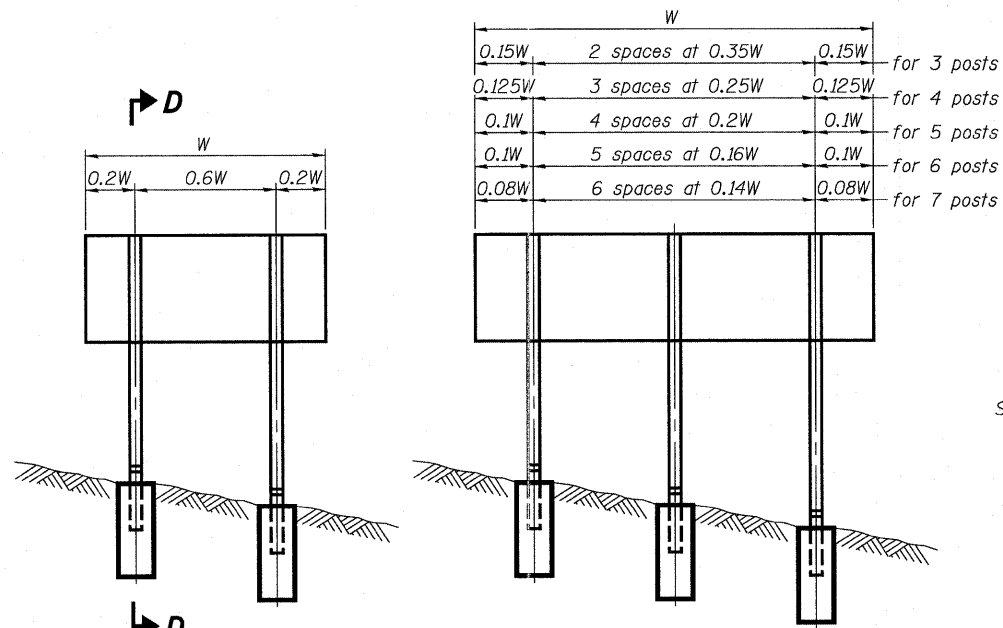
12.0" Radius, 2.0" Border, White on Green;
[S] ClearviewHwy-5-W; [OUTH] ClearviewHwy-5-W; [W] ClearviewHwy-5-W; [EST] ClearviewHwy-5-W; Arrow 80 - 25.0° 90°;
[Mt Vernon] ClearviewHwy-5-W; [East St Louis] ClearviewHwy-5-W; [N] ClearviewHwy-5-W; [ORTH] ClearviewHwy-5-W; [E] ClearviewHwy-5-W;
[AST] ClearviewHwy-5-W; [Champaign] ClearviewHwy-5-W; [Terre Haute] ClearviewHwy-5-W; Arrow 80 - 25.0° 0°;
Table of widths and spaces.

14.4	36.0	10.0	10.8	4.0	11.1	4.4	9.3	3.6	8.6	3.6	9.2	11.9	36.0	10.0	19.9	4.1	7.6	3.1	8.7	2.7	8.6	14.4
24.8	15.1	32.0	14.8	4.6	7.9	15.9	13.5	3.9	11.8	5.4	7.3	4.7	11.1	5.5	12.3	5.5	11.1	44.8				
51.9	4.2	12.0	3.8	10.2	3.5	7.9	16.4	11.6	3.4	7.9	17.7	9.4	4.3	12.3	5.5	10.9	5.7	3.8	4.4	10.2	24.8	
-0.0	252.0	0.0																				
17.3	36.0	10.0	12.3	4.8	11.1	4.3	9.0	2.9	8.7	3.6	9.2	12.0	36.0	10.0	9.6	4.0	11.3	2.5	8.7	2.7	8.6	17.3
34.7	13.0	4.9	11.1	5.1	11.9	5.1	18.1	6.0	11.6	4.4	12.0	4.7	3.8	5.0	11.7	6.0	11.2	19.2	25.0	19.8		
27.5	11.6	4.1	11.7	5.5	7.3	4.7	7.3	4.1	11.7	18.3	12.3	5.2	12.0	5.0	11.0	4.4	7.8	4.2	11.8	64.5		

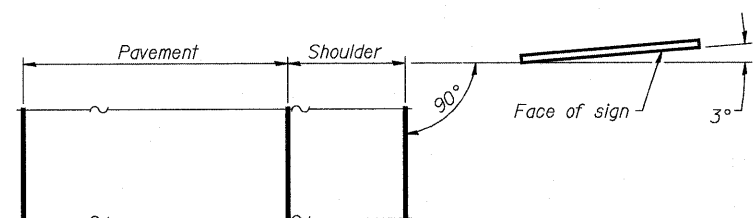
NOT TO SCALE

FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DETAILS, FAYETTE AVE.			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SN\Project\403-00072-57-10\Sign\Fayette\sign panel details.dgn		DRAWN - LEC	REVISED -					57/70	(25-3)I-6	EFFINGHAM	839	221
PLOT SCALE = 1/8" = 1' IN.		CHECKED - BRM	REVISED -					CONTRACT NO. 74293				
PLOT DATE = 6/24/2018		DATE - 3-15-09	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
				SCALE: 1"=50'			SHEET NO. 5 OF 10 SHEETS			STA. TO STA.		

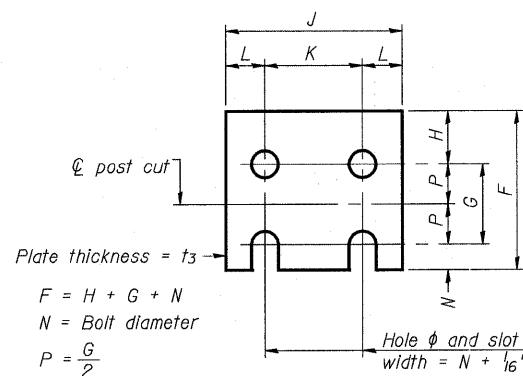
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION

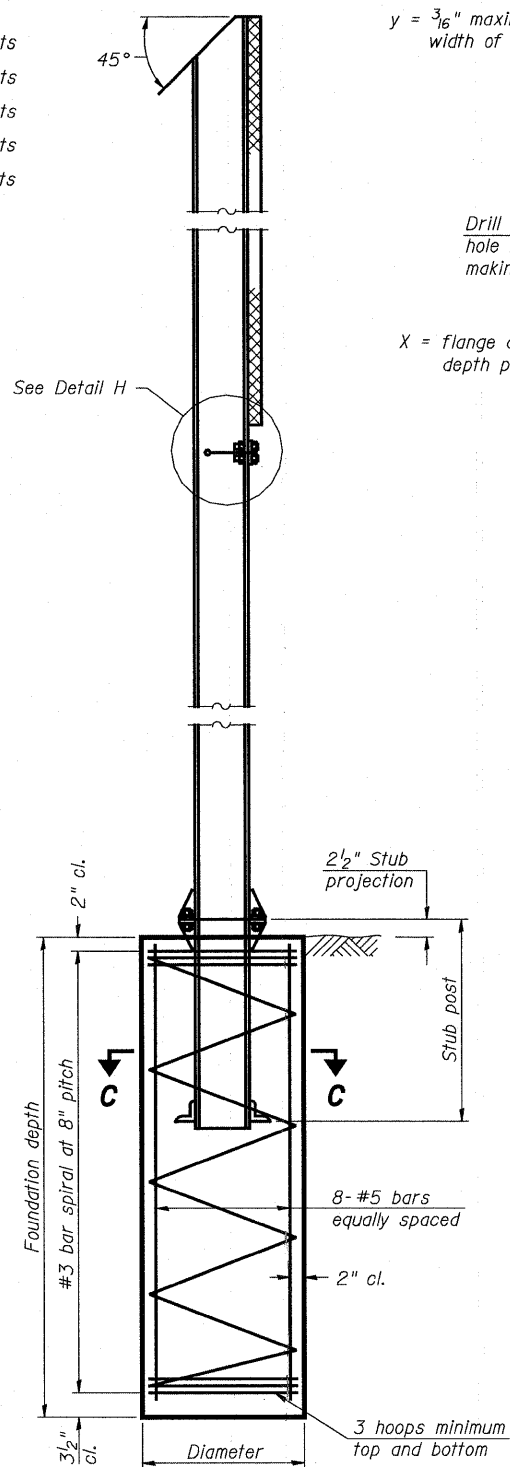


LOCATION SKETCH



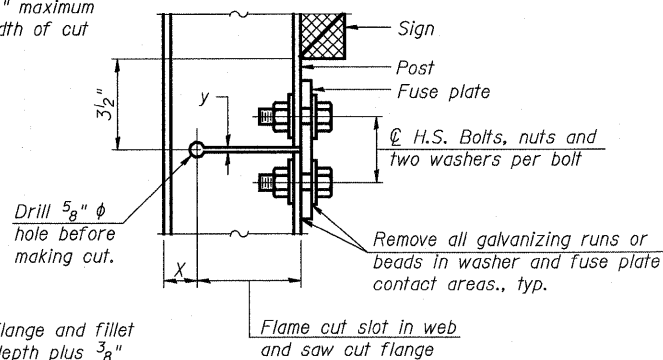
FUSE PLATE DETAIL
(Install with notches down.)

FUSE PLATE DATA		
N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"

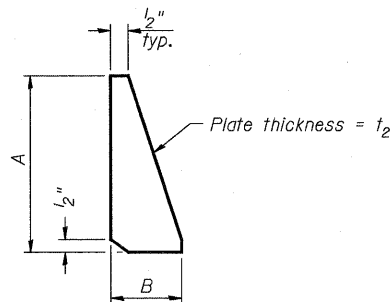


SECTION D-D

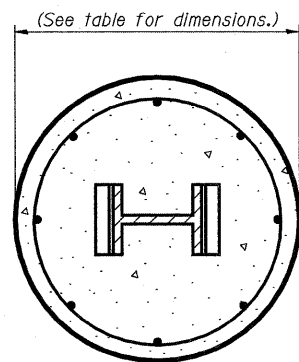
$y = \frac{3}{16}$ " maximum width of cut



DETAIL H



STIFFENER PLATE DETAIL



SECTION C-C

GENERAL NOTES

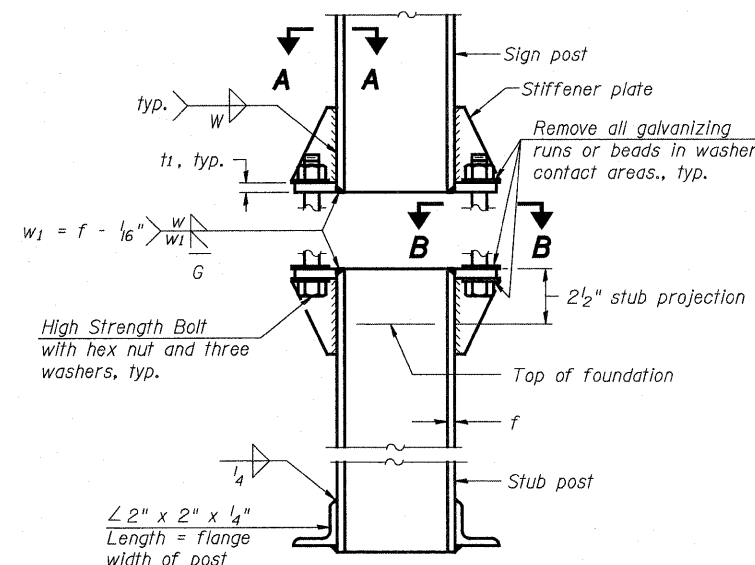
Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article T27.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

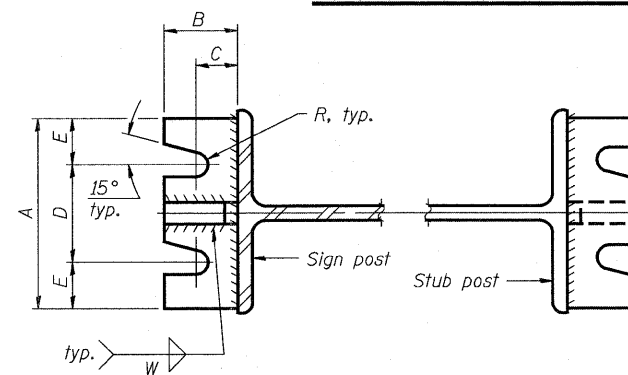
DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

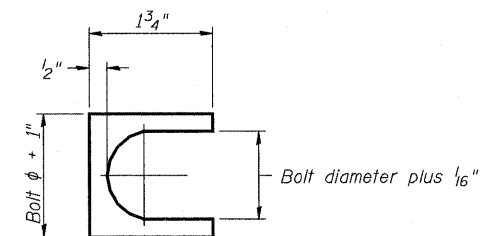


**ELEVATION
SIGN POST & STUB POST**



SECTION A-A

SECTION B-B



SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

**BREAK-AWAY WIDE FLANGE
STEEL SIGN POST DETAILS**

DESIGNED - ESW
CHECKED - JWS
DRAWN - PDB
CHECKED - BRM

BAW-A-1 12-1-08

NUMBER	REVISION	DATE

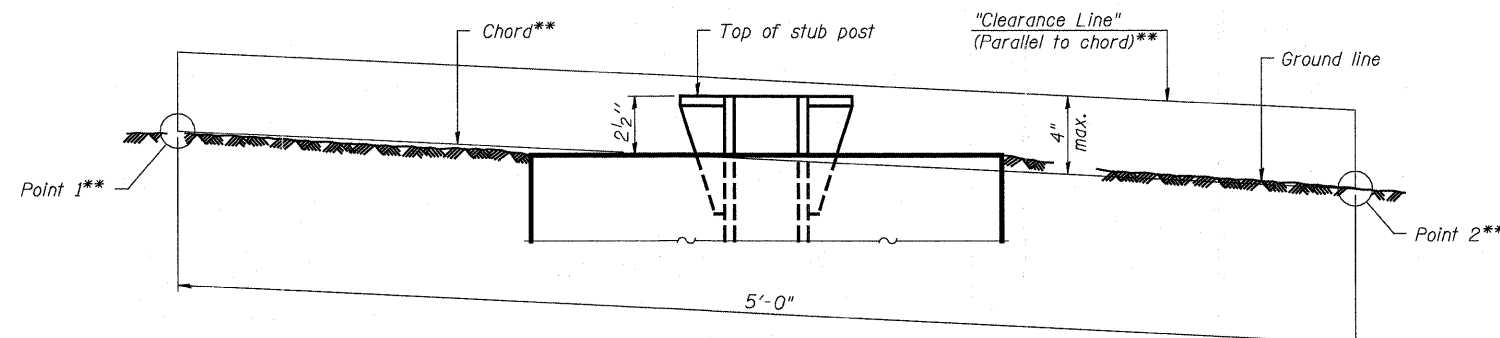
SHEET NO. 7 SHEETS 10	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57/70	(25-3)I-6	EFFINGHAM	839	223
	CONTRACT NO. 74293				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

POST	CONCRETE FOUNDATION TABLE								POST TO STUB POST CONNECTION DATA								FUSE PLATE DATA					
	Foundation			Reinforcement				Stub Post Length	Bolt Size	A	B	C	D	E	t ₁	t ₂	R	W	J	K	L	t ₃
	Diameter	* Minimum Depth	Concrete (1) cu. yds.	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length	lbs. (2)															
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3 1/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1 1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3 1/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1 1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																					
	Sign Height																					
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"	
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—	—	
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—	
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—	—	—	
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—	
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—	
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—	—	
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W16x45	—	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"



**ELEVATION
GROUND LINE & STUB POST**

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- ① Quantity includes all concrete necessary for one foundation.
- ② Includes reinforcement bars and spiral hooping for one foundation.

DESIGNED	ESW
CHECKED	JWS
DRAWN	PDB
CHECKED	BRM

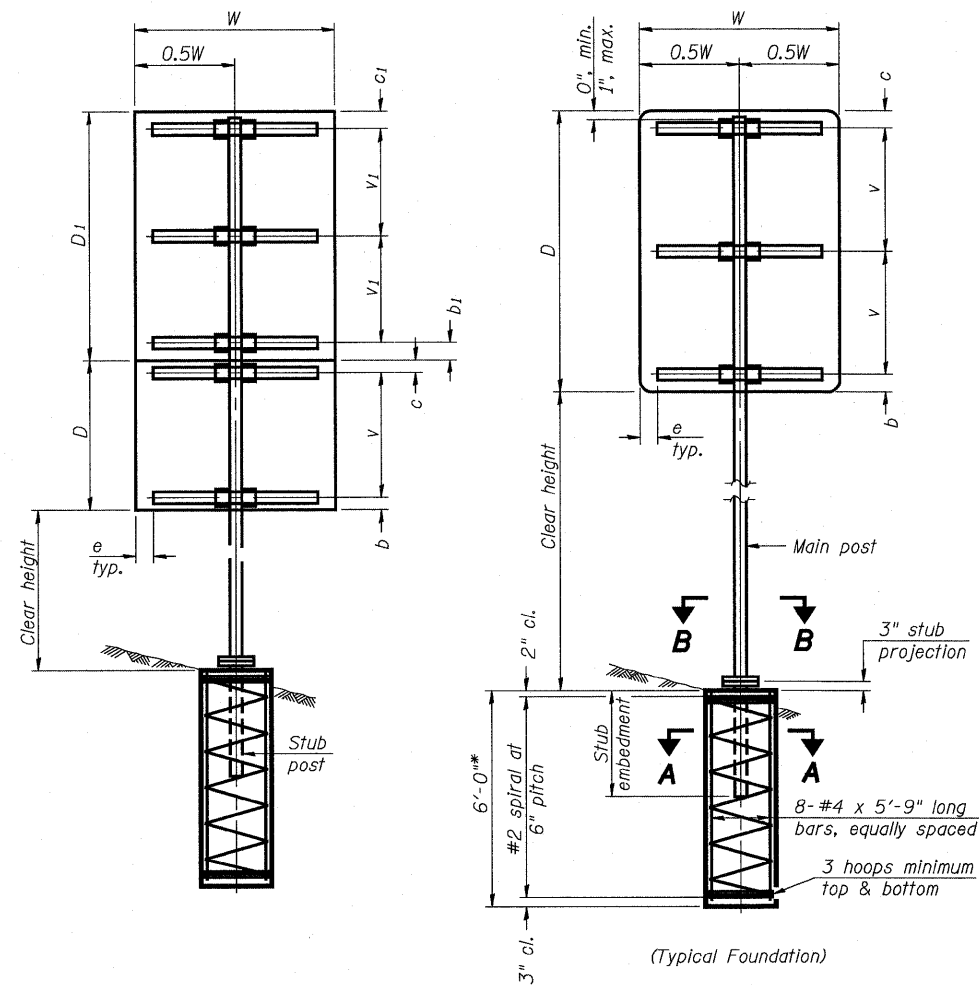
BAW-A-2 12-1-08

NUMBER	REVISION	DATE

**BREAK-AWAY WIDE FLANGE
STEEL SIGN POST TABLES**

SHEET NO. 8 SHEETS 10	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57/70	(25-3)I-6	EFFINGHAM	839	224
	CONTRACT NO. 74293				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

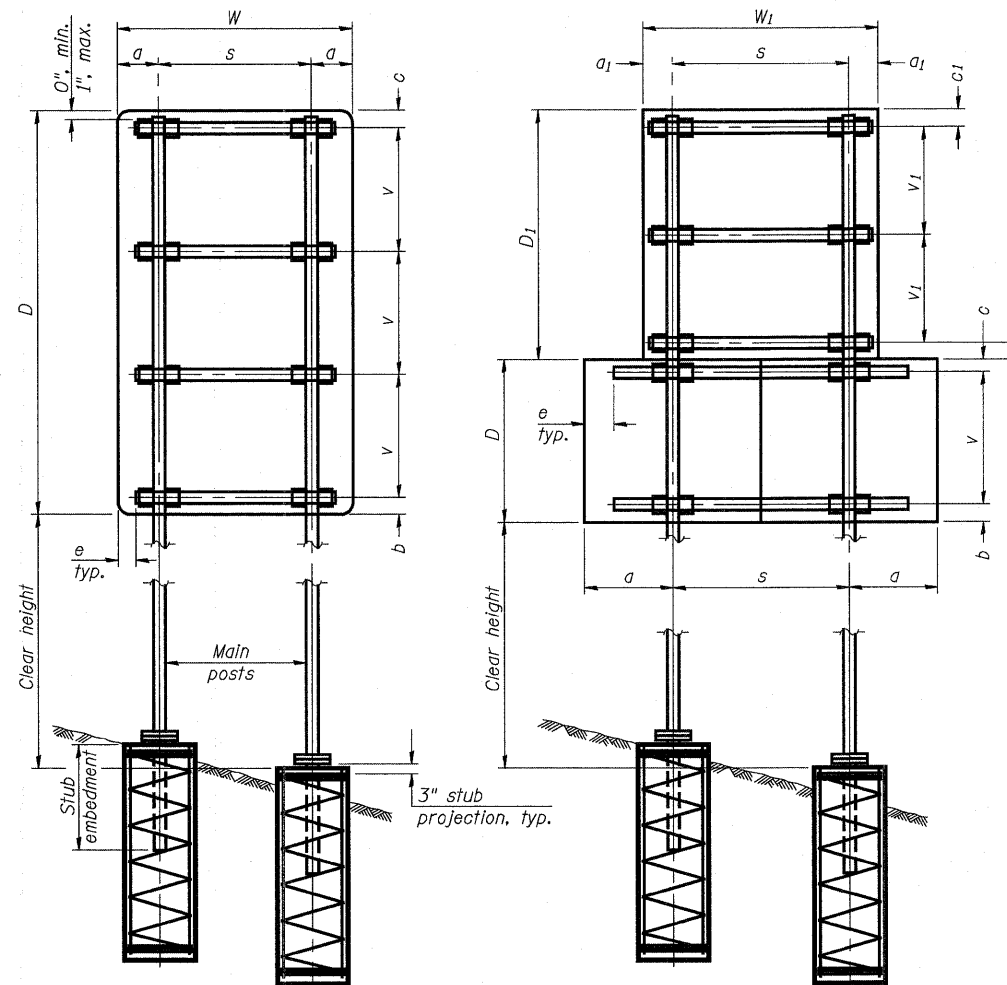
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SINGLE POST ASSEMBLY EXAMPLES

* Dimensional changes required for varying site conditions shall be approved by the Engineer.

a or a₁ = 6" min. to 2'-0" max. (Approximately 0.2W or 0.2W₁)
 b or b₁ = 3" min. to 4" max
 c or c₁ = 3" min. to 4" max
 e = 0" min. to 6" max
 s = 3'-0" min. to 6'-0" max. (Approximately 0.6W or 0.6W₁)
 v or v₁ = 2'-0" min. to 2'-11" max.



DUAL POST ASSEMBLY EXAMPLES

MAIN POST STEEL TUBING	WEIGHT PER FOOT (POUND)	STUB POST TABLE		MAIN POST TABLE				
		Stub Embedment	Stub Post Length	Bolt Size	A	t	R	Bolt Circle
3" x 2" x 1/4"	7.11	2'-0"	2'-3"	1/2" x 2 3/4"	8 1/4"	5/8"	9/32"	6 1/2"
4" x 2" x 1/4"	8.81	2'-0"	2'-3"	1/2" x 2 3/4"	8 1/4"	5/8"	9/32"	6 1/2"
4" x 3" x 1/4"	10.51	2'-3"	2'-6"	5/8" x 3 1/4"	10"	3/4"	11/32"	8"
5" x 3" x 1/4"	12.21	2'-3"	2'-6"	5/8" x 3 1/4"	10"	3/4"	11/32"	8"
6" x 3" x 1/4"	13.91	2'-3"	2'-6"	5/8" x 3 1/4"	11 1/2"	3/4"	11/32"	9 1/2"
6" x 4" x 1/4"	15.62	2'-3"	2'-6"	3/4" x 3 1/2"	11 1/2"	3/4"	13/32"	9 1/2"
6" x 4" x 5/16"	19.08	2'-3"	2'-6"	3/4" x 3 1/2"	11 1/2"	3/4"	13/32"	9 1/2"
7" x 5" x 1/4"	19.02	2'-6"	2'-9"	3/4" x 3 1/2"	1'-2"	3/4"	13/32"	1'-0"
8" x 4" x 1/4"	19.02	2'-6"	2'-9"	3/4" x 3 1/2"	1'-2"	3/4"	13/32"	1'-0"
8" x 6" x 1/4"	22.42	2'-6"	2'-9"	7/8" x 3 1/2"	1'-2"	3/4"	5/32"	1'-0"

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

One foundation requires 0.7 cubic yards of concrete and 46 pounds of reinforcement bars and spiral hoops.

LOADING: 80 mph wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
 Structural steel - 20,000 psi
 Reinforcing steel - 20,000 psi
 Concrete - 1,400 psi
 Footing soil pressure - 2,000 psf

After fabrication, the post, fuse plate, base plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

For Sections A-A and B-B, see Base Sheet BAT-A-2.

FOUNDATIONS:

All necessary excavation or drilling (except in rock); backfilling with excavated material; disposal of unsuitable or surplus material; formwork; and furnishing and placing the Class SI Concrete and reinforcement bars, shall be included in the pay item used for foundations.

The measurement of the tubular steel shall be computed on the basis of the weight per foot of the support, multiplied by the combined length of the main posts and stub posts.

BREAK-AWAY TUBULAR STEEL SIGN POSTS AND FOUNDATIONS

DESIGNED	ESW
CHECKED	JWS
DRAWN	PDB
CHECKED	BRM

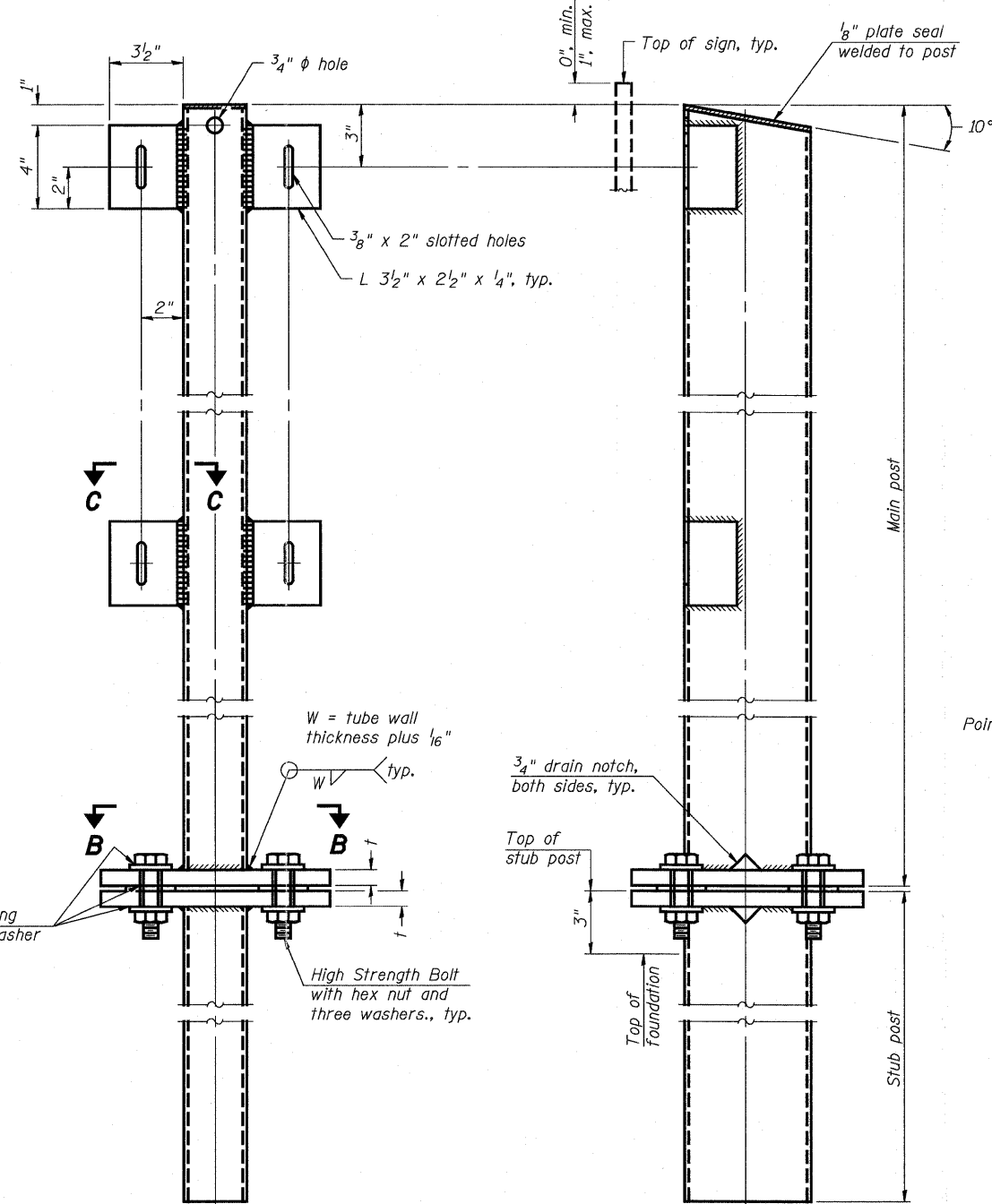
BAT-A-1

12-1-08

NUMBER	REVISION	DATE

SHEET NO. 9 SHEETS 10	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57/70	(25-3)I-6	EFFINGHAM	839	225
CONTRACT NO. 74293					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

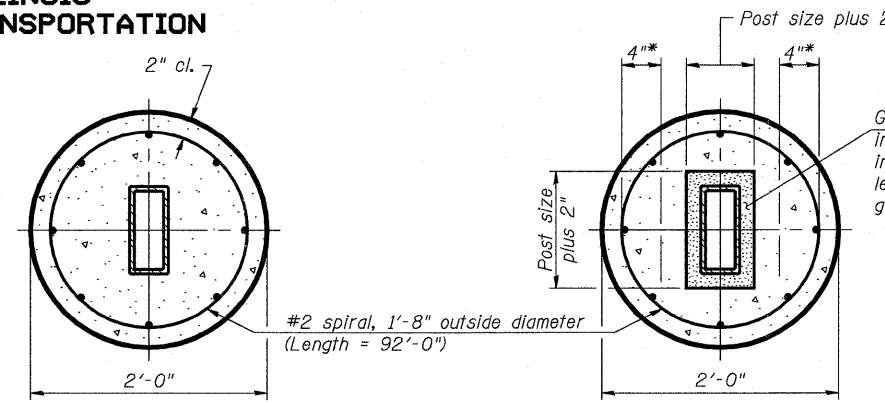
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



FRONT ELEVATION

SIDE ELEVATION

MAIN POST & STUB POST

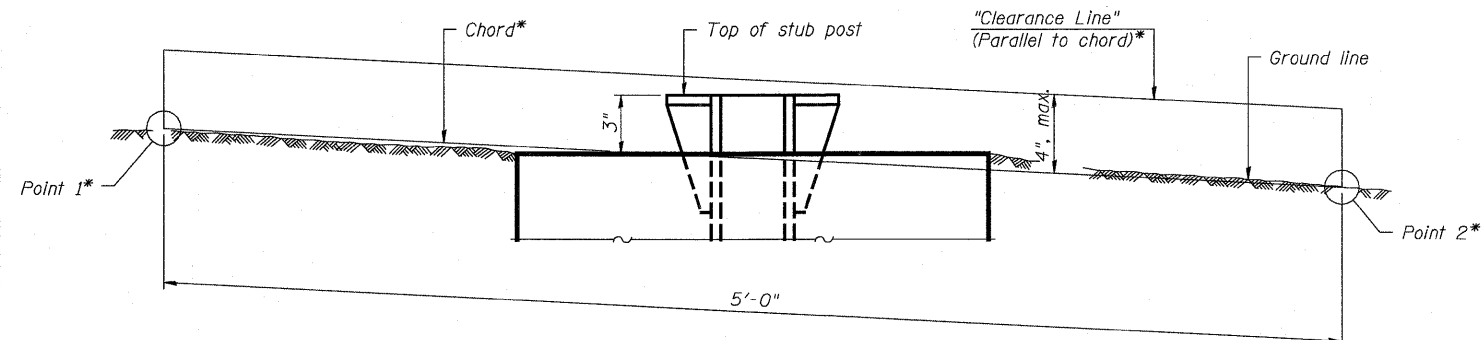


SECTION A-A
(CAST-IN-PLACE)

OR

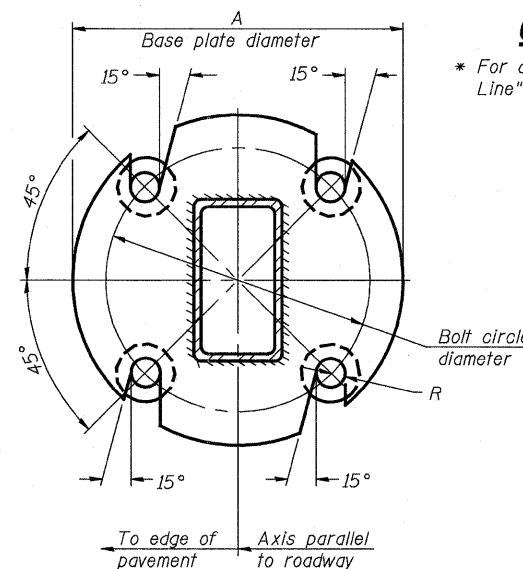
SECTION A-A
(PRECAST)

* Hot dip galvanized lifting loops or inserts may be placed in precast foundation inside the spiral reinforcement but not within 6" of the long axis of the post. Inserts must be adequate for safely lifting a total of 3,000 pounds and must not interfere with installation of the stub post or proper functioning of the slip base.

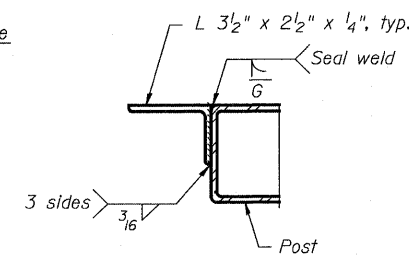


ELEVATION
GROUND LINE & STUB POST

* For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

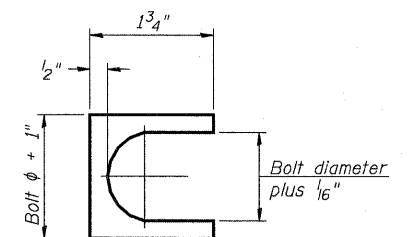


SECTION B-B



SECTION C-C

Weld continuously around corners.



SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

DESIGNED	-	ESW
CHECKED	-	JWS
DRAWN	-	PDB
CHECKED	-	BRM

BAT-A-2

12-1-08

NUMBER	REVISION	DATE

**BREAK-AWAY TUBULAR STEEL
SIGN POSTS AND DETAILS**

SHEET NO. 10	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57/70	(25-3)I-6	EFFINGHAM	839	226
SHEETS 10	CONTRACT NO. 74293				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

TEMPORARY TRAFFIC SIGNAL INSTALLATION GENERAL NOTES

The Contractor shall provide, install and maintain the equipment with respect to the Temporary Traffic Signal Installation. This shall include all cables, signal heads, conduit, wood poles, guy wire assemblies, and all other equipment required for the installation.

The Traffic Signal Cabinet and controller shall be according to NEMA Standards for Traffic Control Systems.

Temporary cabinet to be furnished by the Contractor and equipped with video detection interface cables.

Poles shall be guyed or anchored to the satisfaction of the Engineer. Any adjustments shall be considered part of the pay item for Temporary Traffic Signal Installation.

All traffic signal sections shall be 12" heads.

When there are 2 signal heads for one indication, the heads shall be placed a minimum of 8 feet apart.

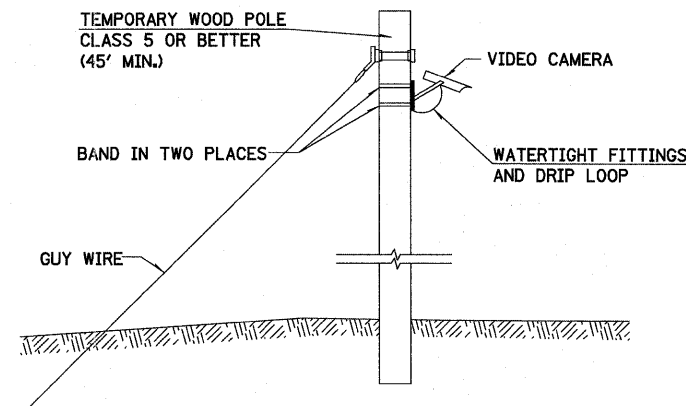
Heads shall be placed as indicated on the Temporary Traffic Signal plan or as directed by the Engineer.

The Contractor shall furnish enough cable slack to relocate heads to any position on the span wire or at locations illustrated on the plans for construction staging. The Temporary Traffic Signals shall remain in operation during all signal head relocations. Each Temporary Traffic Signal head shall have its own cable from the controller cabinet to the signal head.

The Contractor shall provide all labor, equipment and materials required to relocate the Temporary Traffic Signal Heads in accordance with the proposed staging.

The Contractor shall be responsible for modifying the video detection system to accommodate construction staging (including camera aiming and programming).

All labor, materials and equipment required to comply with these requirements shall be included in the price for TEMPORARY TRAFFIC SIGNAL INSTALLATION.



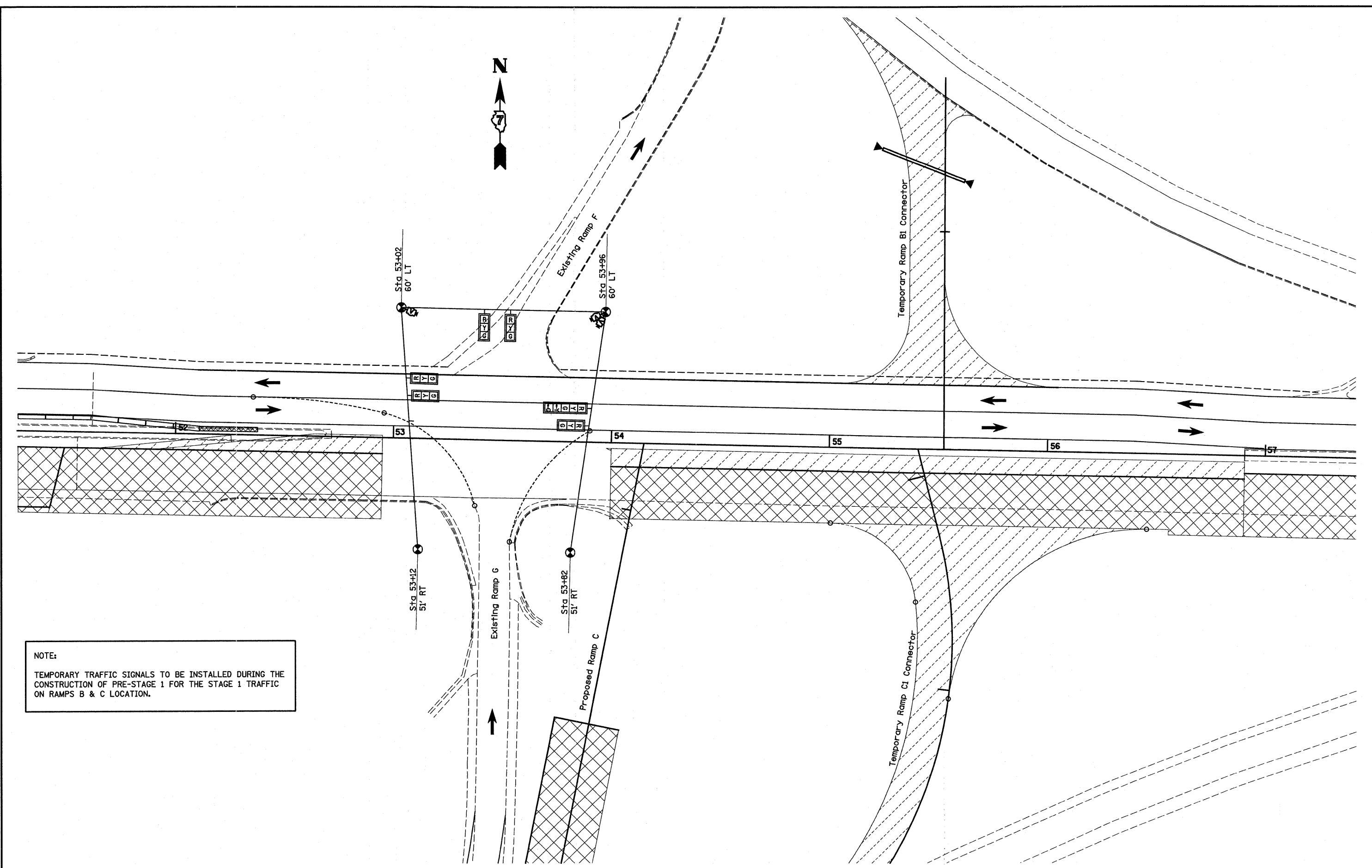
TEMPORARY VIDEO DETECTION MOUNTING DETAIL

BILL OF MATERIALS - FAYETTE AVENUE & NB RAMPS-I57/70 (RAMPS B & C)
TEMPORARY TRAFFIC SIGNAL INSTALLATION

ITEM	UNIT	QUANTITY
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	3.0

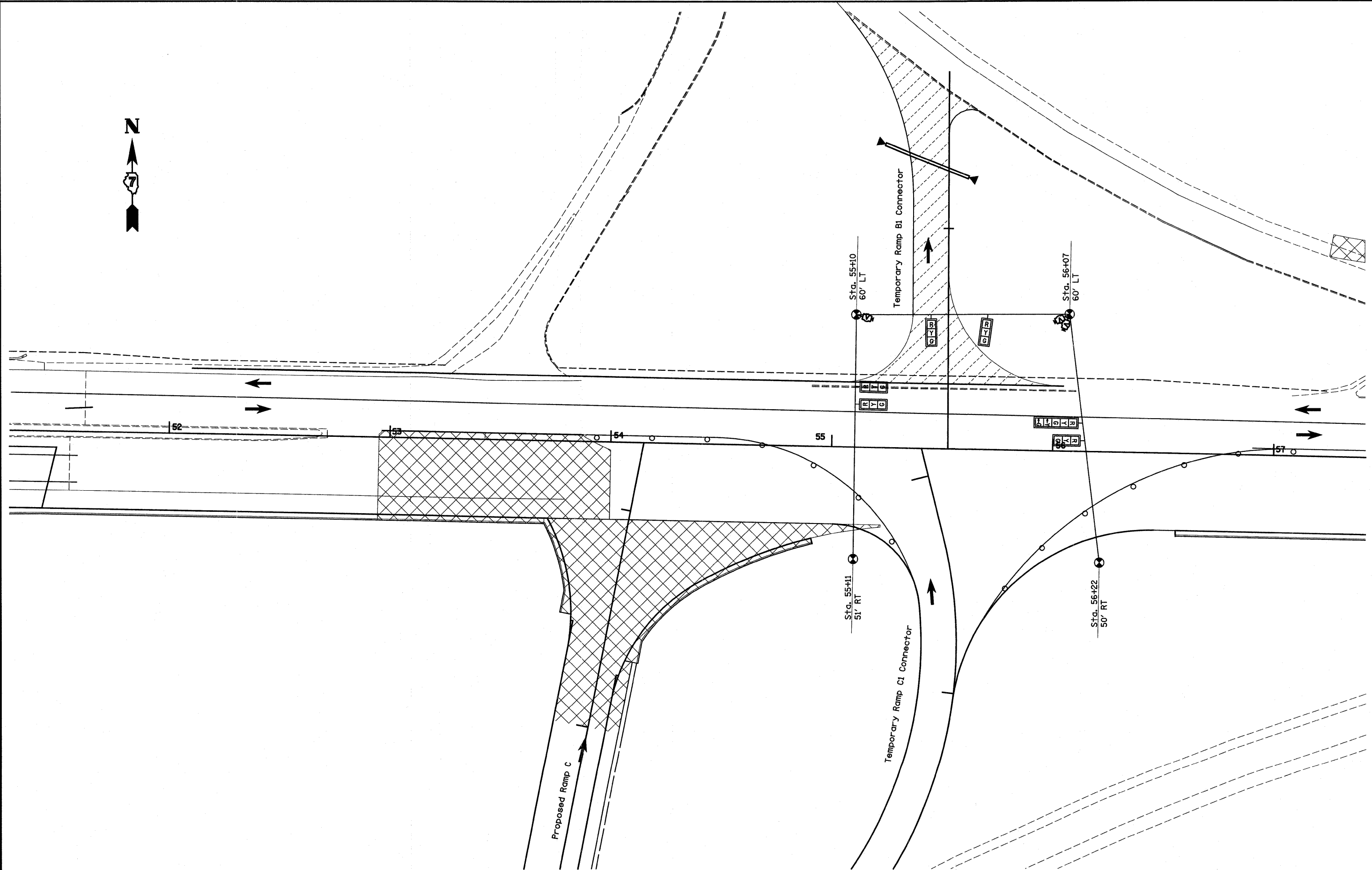
BILL OF MATERIALS - FAYETTE AVENUE & ILLINI DRIVE
TEMPORARY TRAFFIC SIGNAL INSTALLATION

ITEM	UNIT	QUANTITY
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1.0



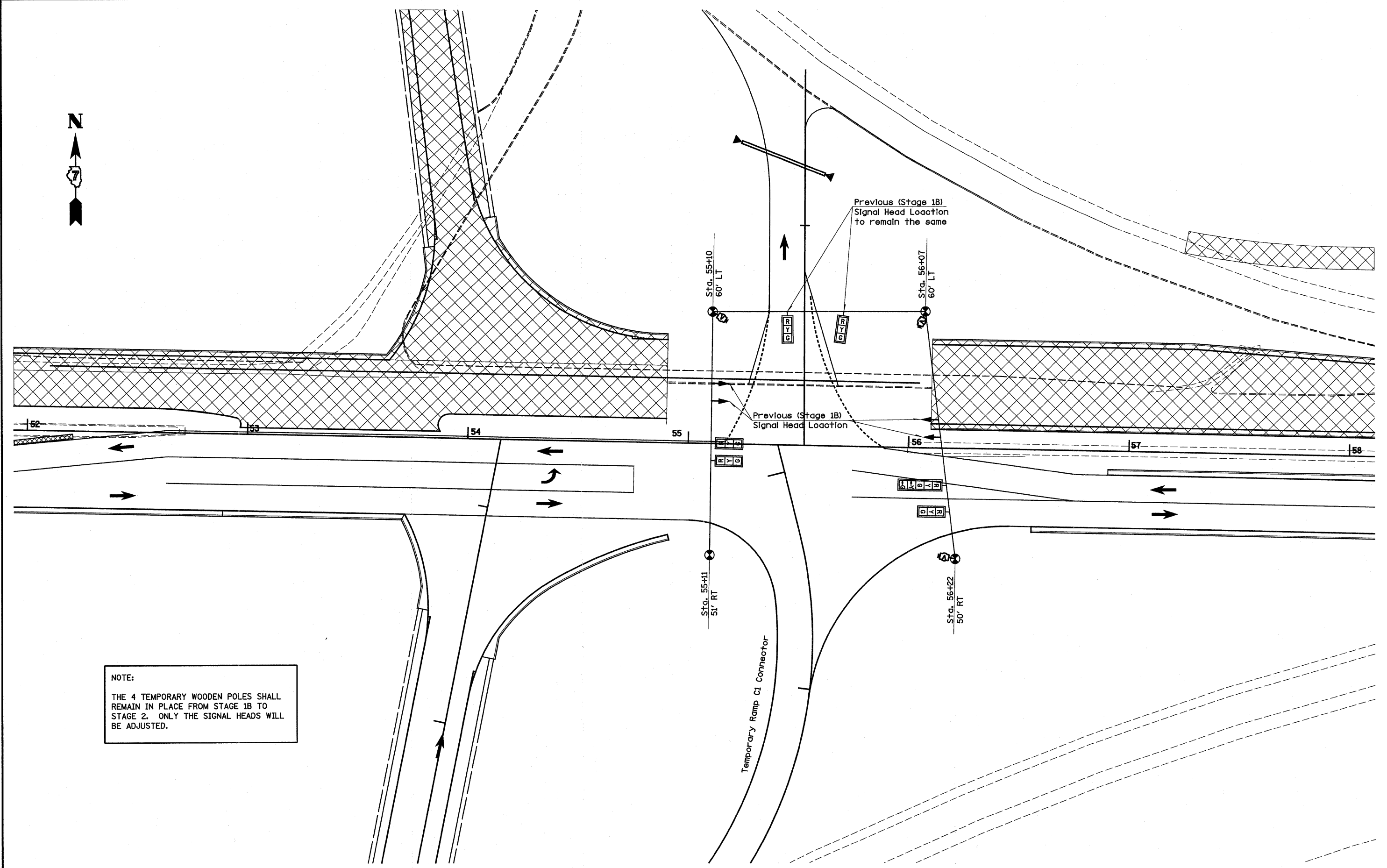
NOTE:
 TEMPORARY TRAFFIC SIGNALS TO BE INSTALLED DURING THE CONSTRUCTION OF PRE-STAGE 1 FOR THE STAGE 1 TRAFFIC ON RAMPS B & C LOCATION.

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNALS-STAGE 1 EXISTING RAMPS F & G			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
#FILE#	PLOT SCALE = 400.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	TO (25-31I-6 & (25-3HB-2)B	EFFINGHAM	839	228
	PLOT DATE = 6/24/2010	CHECKED -	REVISED -								CONTRACT NO. 74293			
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT			



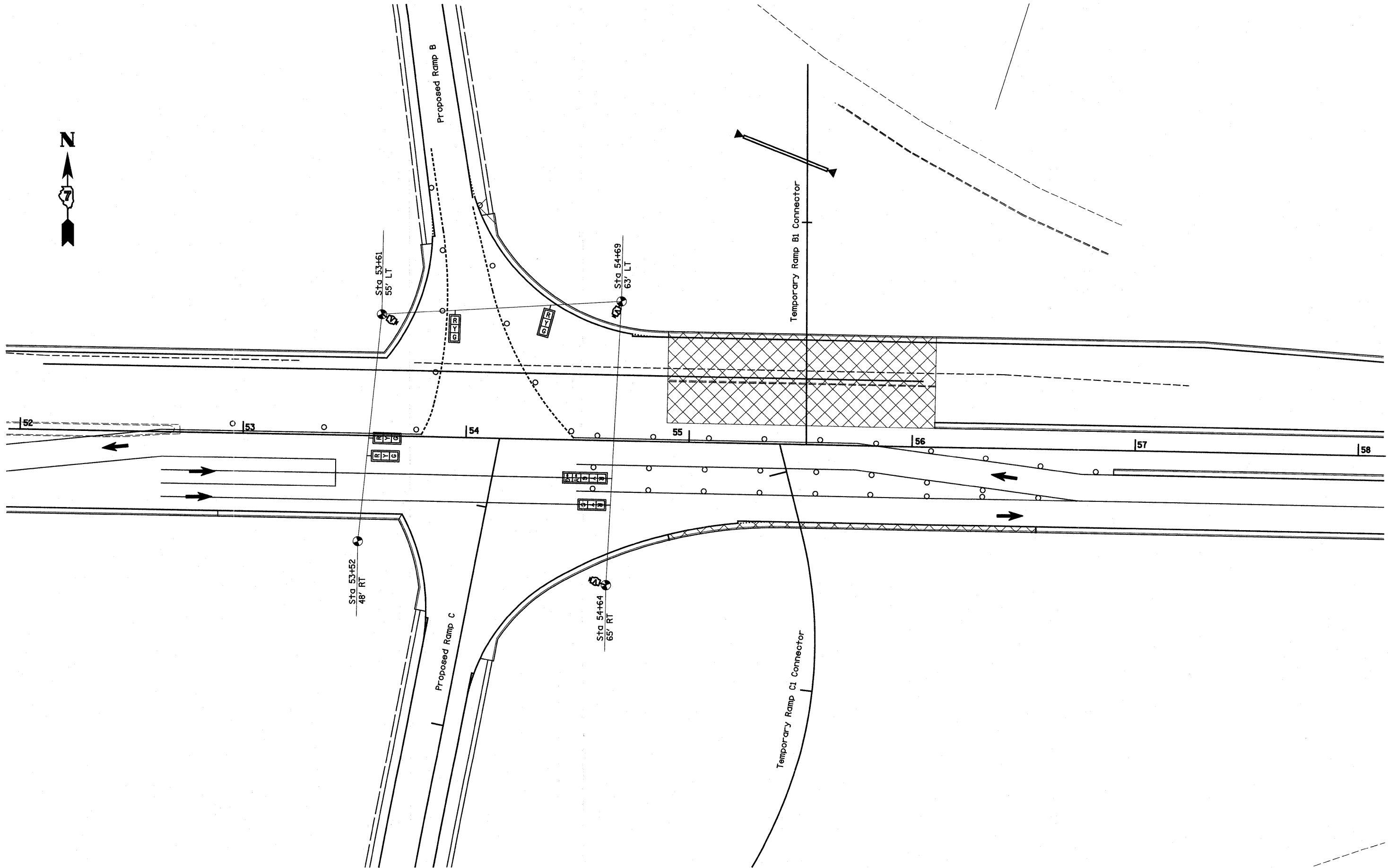
58

FILE NAME = #FILE#	USER NAME = paul	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNALS-STAGE 1B TEMPORARY RAMP CONNECTORS B1 & C1			F.A.I. RTE. 70	SECTION (25-3)I-6 & (25-3)B-2)B	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 229
	PLOT SCALE = 400.0000' / IN.	DRAWN -	REVISD -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 74293		
	PLOT DATE = 6/24/2010	CHECKED -	REVISD -							ILLINOIS FED. AID PROJECT		
		DATE -	REVISD -									

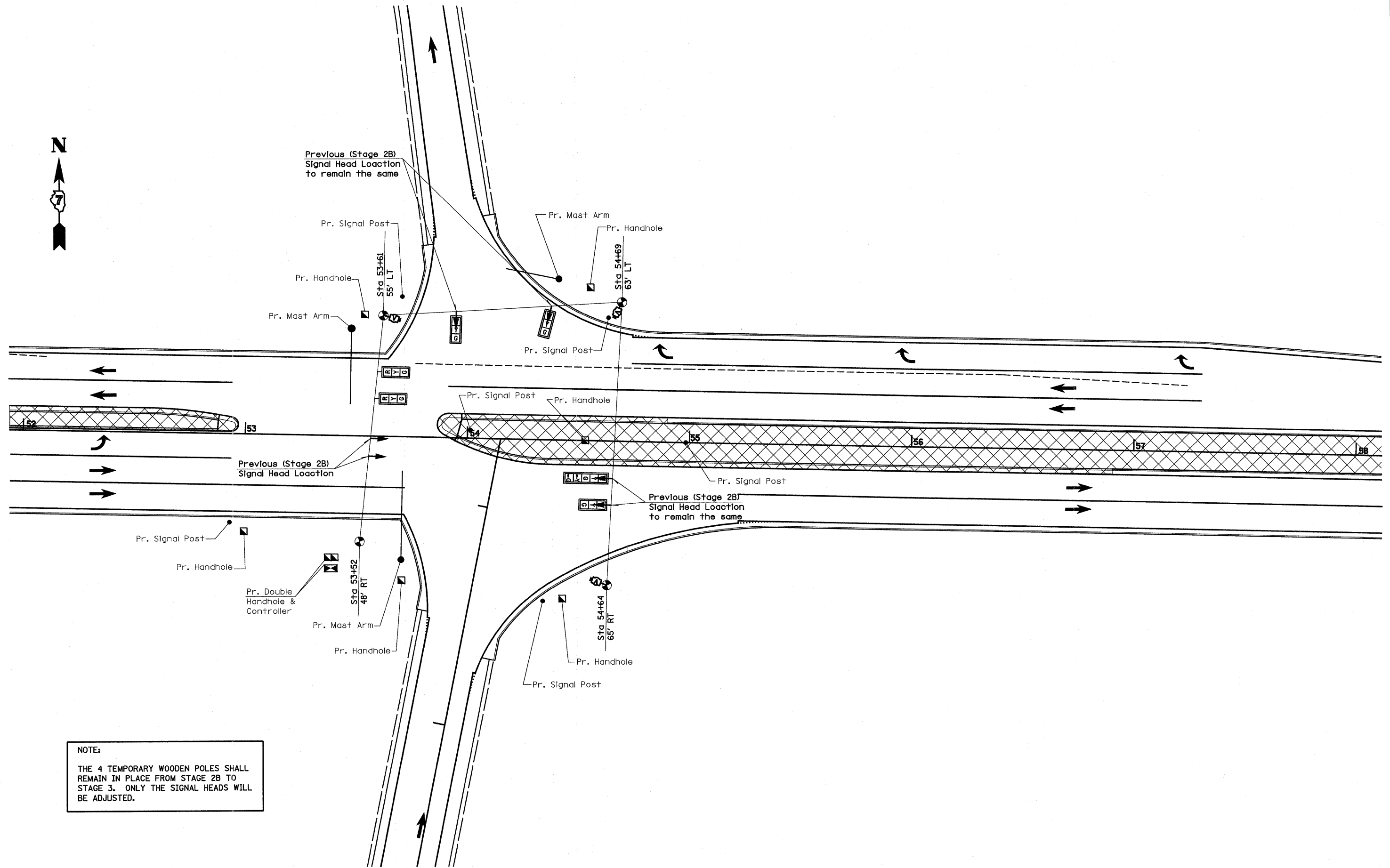


NOTE:
 THE 4 TEMPORARY WOODEN POLES SHALL
 REMAIN IN PLACE FROM STAGE 1B TO
 STAGE 2. ONLY THE SIGNAL HEADS WILL
 BE ADJUSTED.

FILE NAME = #FILEL#	USER NAME = pwl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNALS-STAGE 2 TEMP RAMP CONNECTORS B1 & C1			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 400.0000' / IN.	DRAWN -	REVISED -		TO	(25-31I-6 & (25-3HR-2)B	EFFINGHAM	839	230			
PLOT DATE = 6/24/2018	CHECKED -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 74293						
	DATE -	REVISED -				ILLINOIS FED. AID PROJECT						

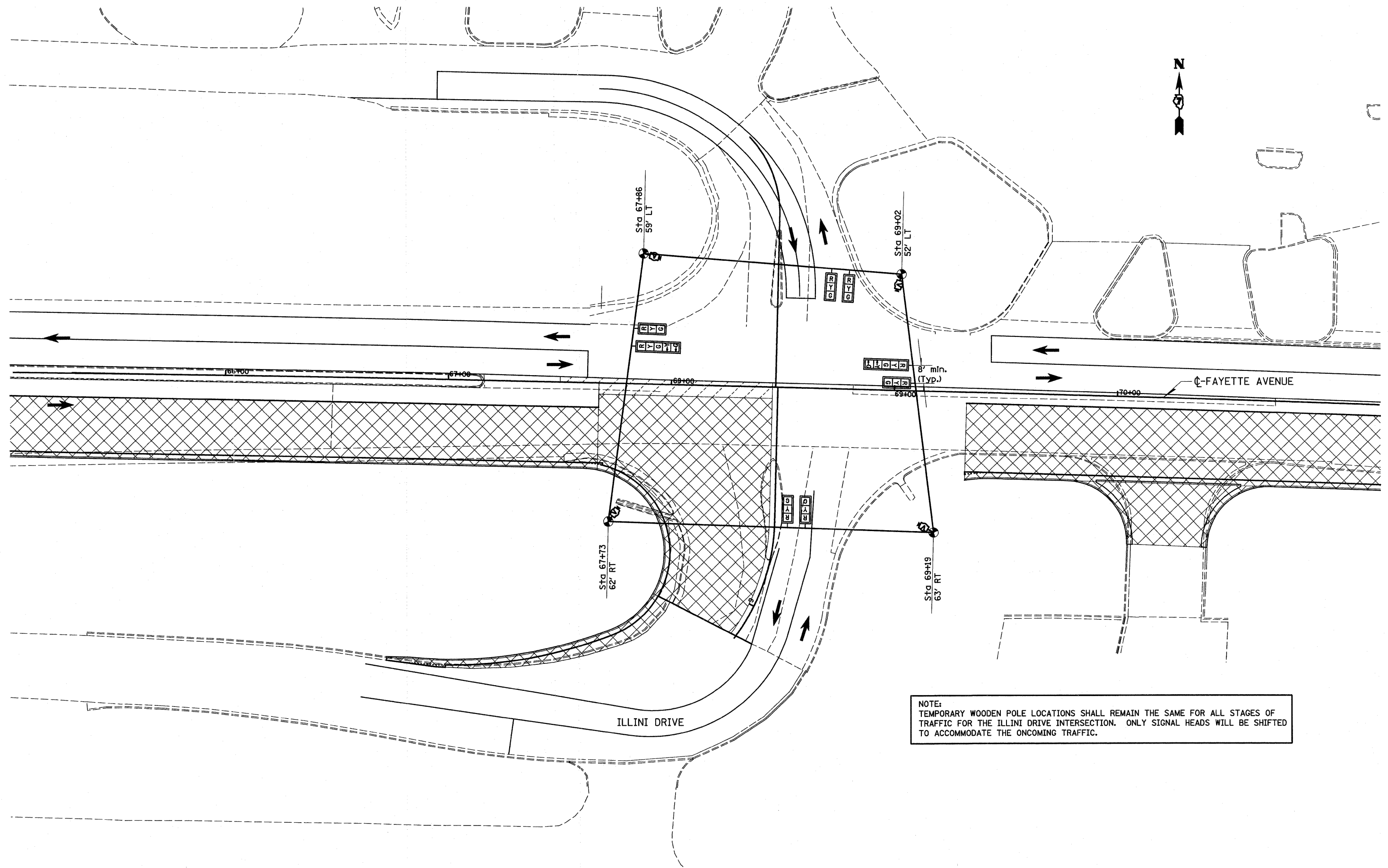


FILE NAME = *FILEL*	USER NAME = paul	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNALS-STAGE 2B PROPOSED RAMPS B & C			F.A.I. RTE. 70	SECTION (25-3)-6 & (25-3HB-2)B	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 231
	PLOT SCALE = 400.0000' / IN.	DRAWN -	REVISD -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 74293		
PLOT DATE = 6/24/2010	CHECKED -	REVISD -			ILLINOIS FED. AID PROJECT							
	DATE -	REVISD -										



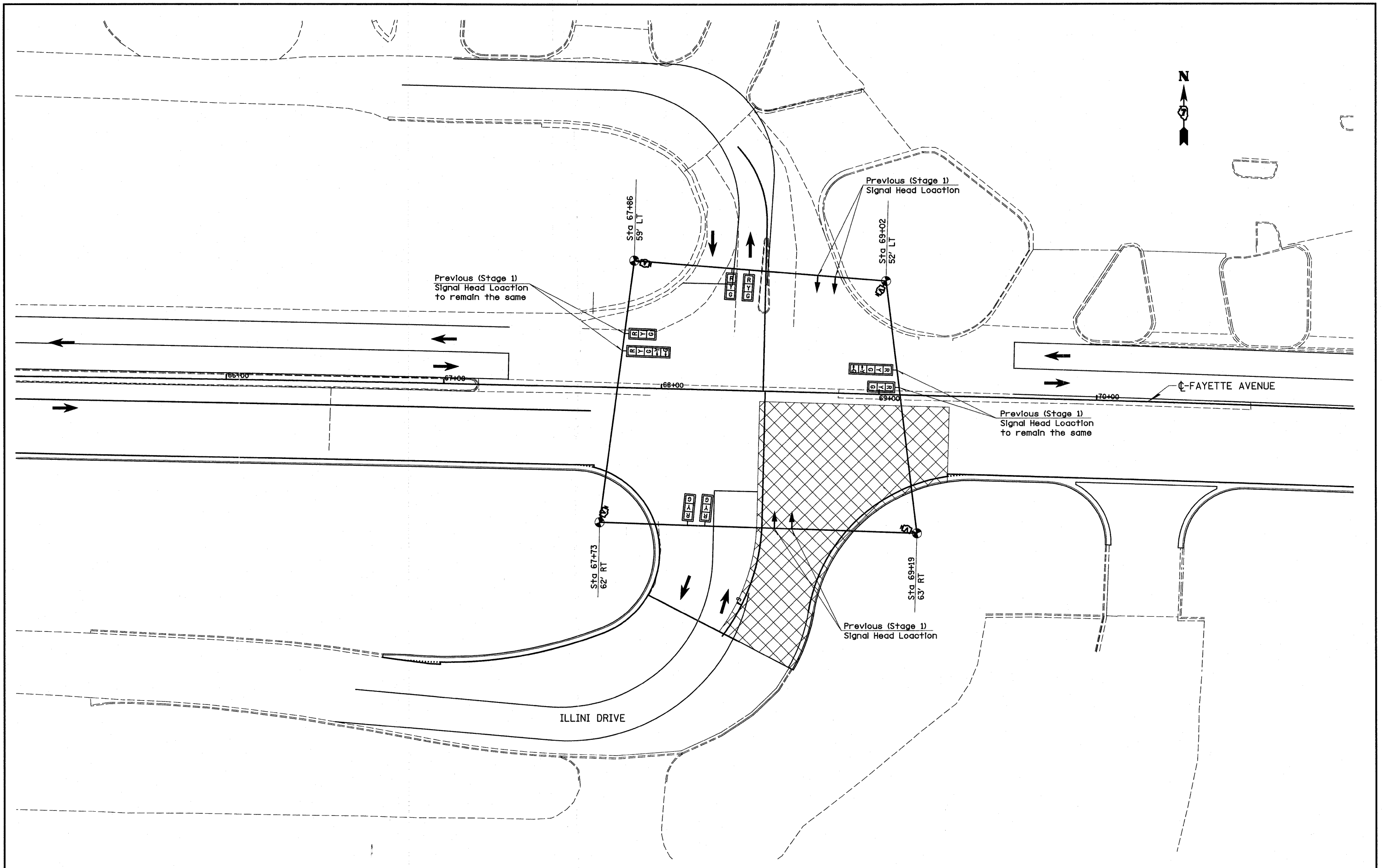
NOTE:
 THE 4 TEMPORARY WOODEN POLES SHALL REMAIN IN PLACE FROM STAGE 2B TO STAGE 3. ONLY THE SIGNAL HEADS WILL BE ADJUSTED.

FILE NAME = #FILEL4	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNALS-STAGE 3 PROPOSED RAMPS B & C			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 400.0000' / IN.	DRAWN -	REVISED -		TO	(25-3)I-6 & (25-3)B-2)B	EFFINGHAM	839	232			
PLOT DATE = 6/24/2010	CHECKED -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			
	DATE -	REVISED -										

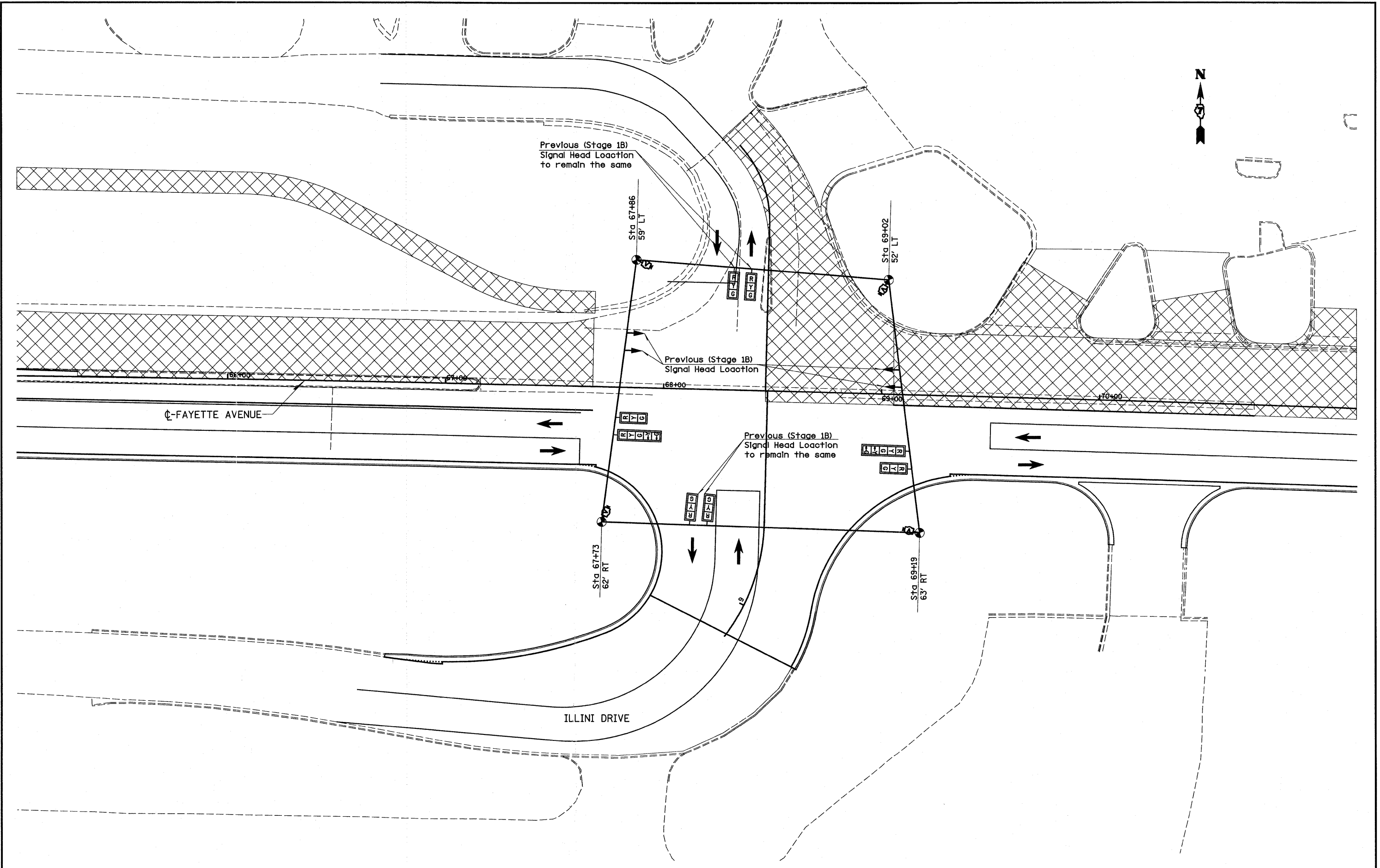


NOTE:
 TEMPORARY WOODEN POLE LOCATIONS SHALL REMAIN THE SAME FOR ALL STAGES OF TRAFFIC FOR THE ILLINI DRIVE INTERSECTION. ONLY SIGNAL HEADS WILL BE SHIFTED TO ACCOMMODATE THE ONCOMING TRAFFIC.

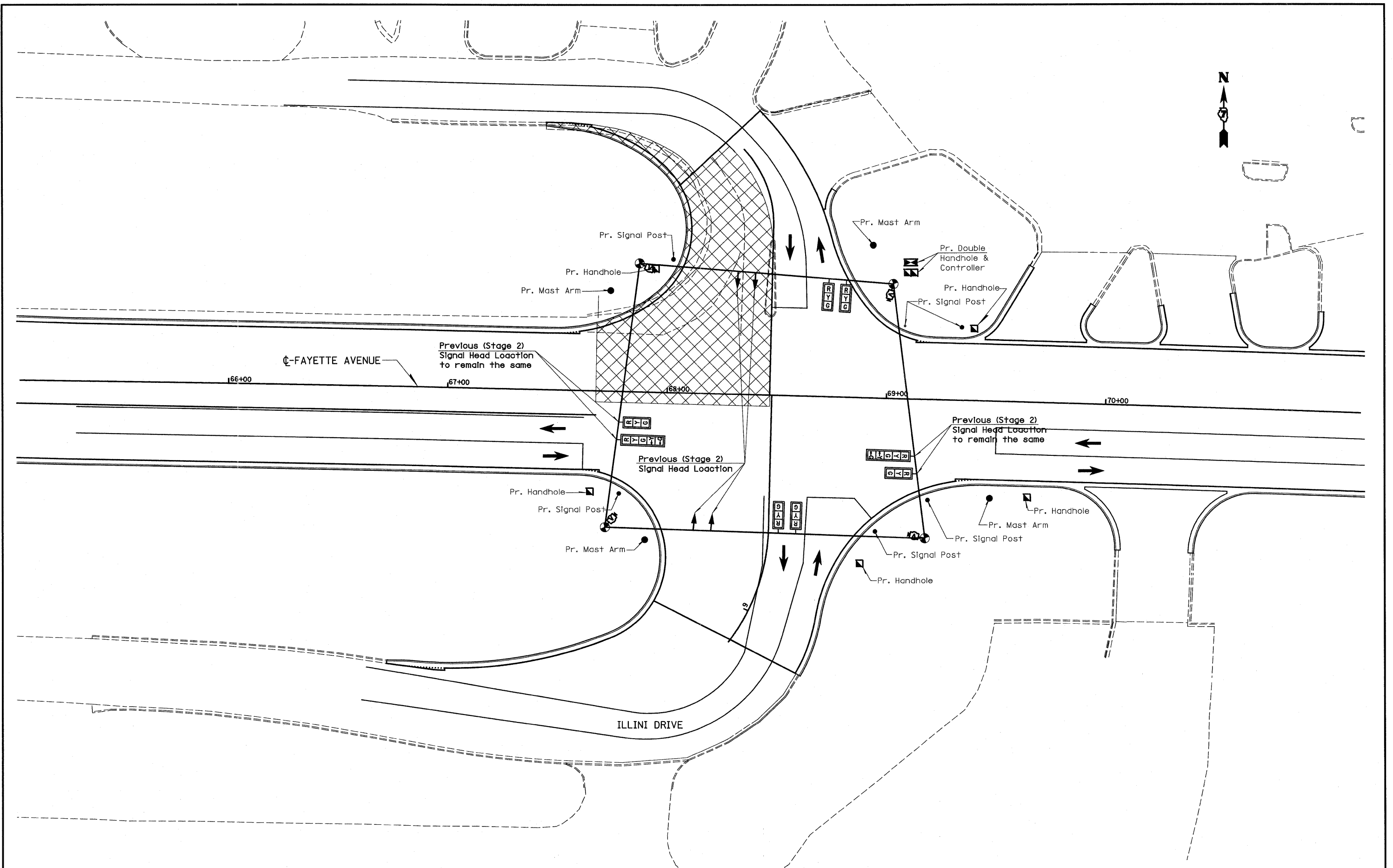
FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL-STAGE 1 ILLINI DRIVE			F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		TO	(25-3)I-6 & (25-3)B-2)B	EFFINGHAM	839	233			
	PLOT SCALE = 400.0000' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 74293	
	PLOT DATE = 6/24/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNALS-STAGE 1B ILLINI DRIVE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		TO	(25-3)1-6 & 925-3HB-21B	EFFINGHAM	839	234			
	PLOT SCALE = 400.0000' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 74293	
	PLOT DATE = 6/24/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



FILE NAME = #FILE#	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNALS-STAGE 2 ILLINI DRIVE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 400.0000' / IN.	DRAWN -	REVISED -		TO	(25-311-6 & (25-3HB-2)B	EFFINGHAM	839	235			
PLOT DATE = 6/24/2018	CHECKED -	REVISED -	CONTRACT NO. 74293		SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				
	DATE -	REVISED -										



FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = 400.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY TRAFFIC SIGNALS-STAGE 2B			
ILLINI DRIVE			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-3)I-6 & (25-3)B-2(B)	EFFINGHAM	839	236
CONTRACT NO. 74293				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL GENERAL NOTES

THIS TRAFFIC SIGNAL PORTION OF THE ENTIRE PROJECT IS LOCATED AT THREE SEPARATE INTERSECTIONS AT THE I57/70 INTERCHANGE. THE FIRST LOCATION IS THE INTERSECTION OF FAYETTE AVENUE AND RAMPS A & D (SOUTHBOUND/WESTBOUND I57/70), THE SECOND LOCATION IS THE INTERSECTION OF FAYETTE AVENUE AND RAMPS B & C (NORTHBOUND/EASTBOUND I57/70) AND THE THIRD LOCATION IS THE INTERSECTION OF FAYETTE AVENUE AND ILLINI DRIVE (JUST TO THE EAST OF THE INTERCHANGE OF FAYETTE AVENUE AND I57/70, ALL IN THE CITY OF EFFINGHAM, EFFINGHAM COUNTY. THE WORK INCLUDED IN THIS SECTION CONSISTS OF INSTALLING TRAFFIC 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 SIGNAL ENGINEER (JOSH PORTER) AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE NOTIFIED AT 217-342-8382 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNIT.

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 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.

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.

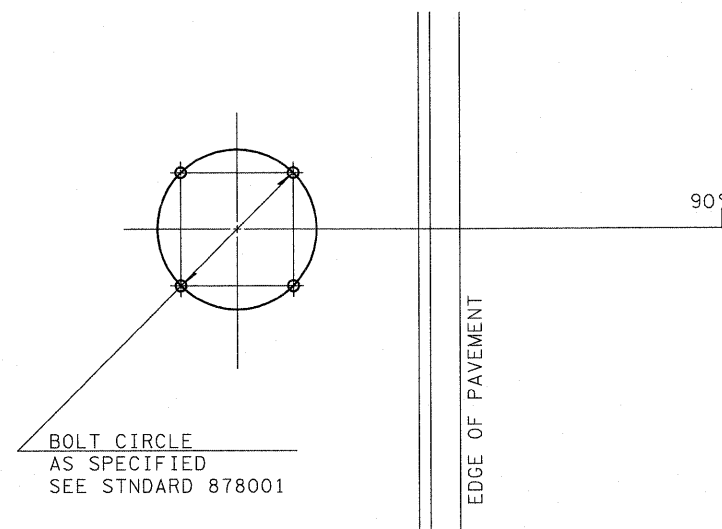
ALL NEW TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES WILL NOT BE ALLOWED.

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.

AMEREN EFFINGHAM OC
JON TIPTON
OFFICE: (217) 347-3141
CELL: (217) 663-5614
EMAIL: JTipton@ameren.com

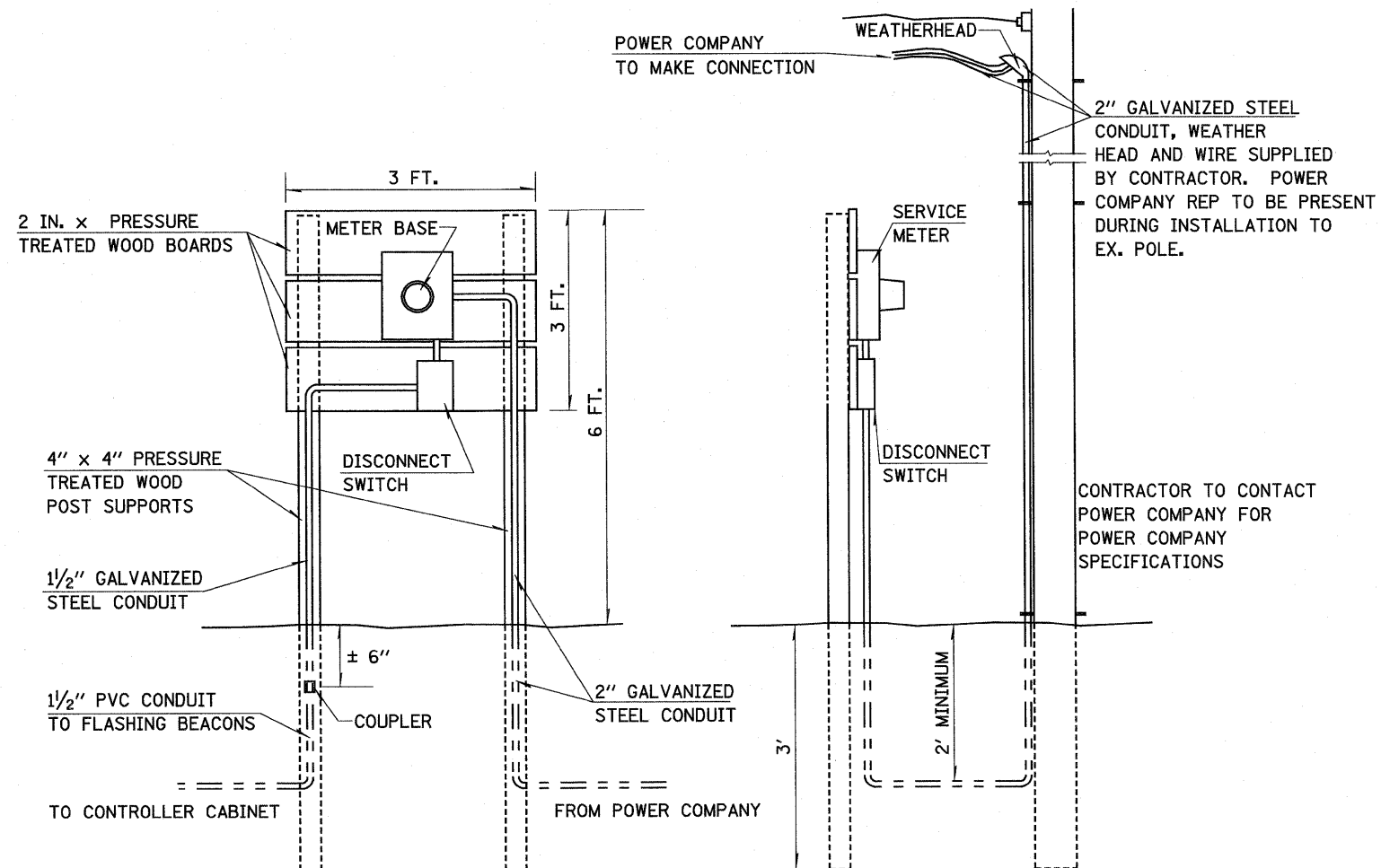


**DETAIL OF MAST ARM FOUNDATION
BOLT PATTERN**

**NUMBER OF TURNS REQUIRED
IN DETECTOR LOOPS**

6 X 6	LOOP SIZE
	2 TURNS
0	545
546	818
819	1145
1146	1527
1528	1964
1965	2455
2456	3000

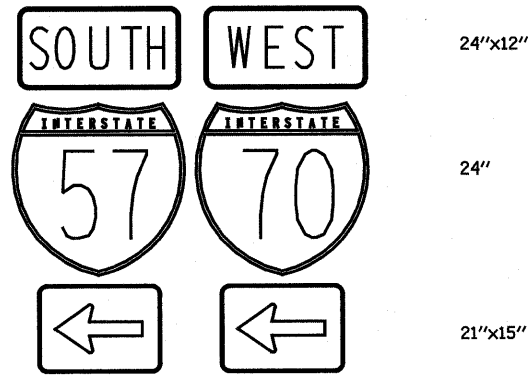
THE NUMBERS IN THE TABLE REPRESENT THE LENGTH OF ELECTRIC CABLE FROM THE LOOP TO THE CABINET



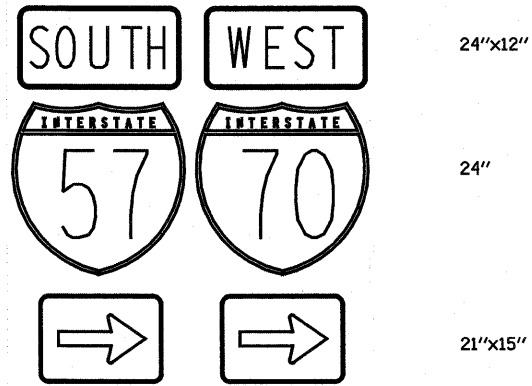
SERVICE INSTALLATION, TYPE A (MODIFIED)

RAMPS A & D, RAMPS B & C & ILLINI DRIVE

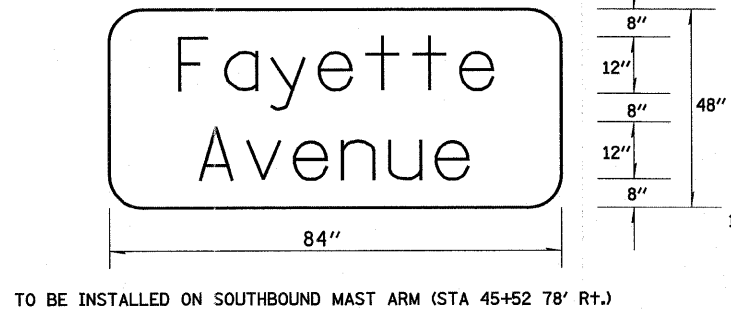
THIS DETAIL SHALL BE USED IN
CONJUNCTION WITH STANDARD 805001



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 46+15 47' Lt.)



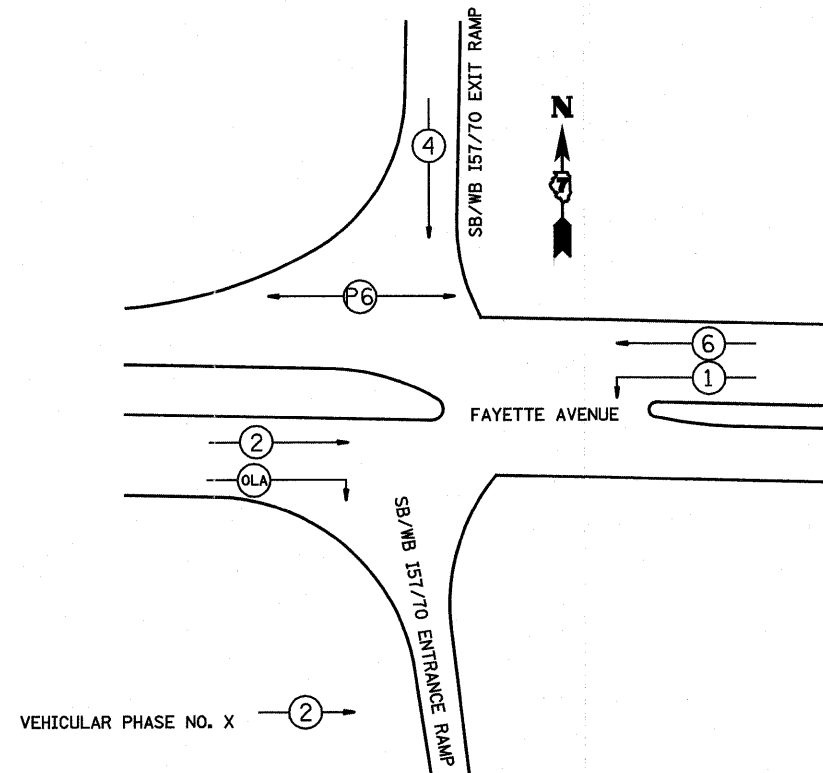
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 46+27 52' Rt.)



TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 45+52 78' Rt.)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. UPPER/LOWER CASE LETTERS, SW CLEARVIEW FONT.

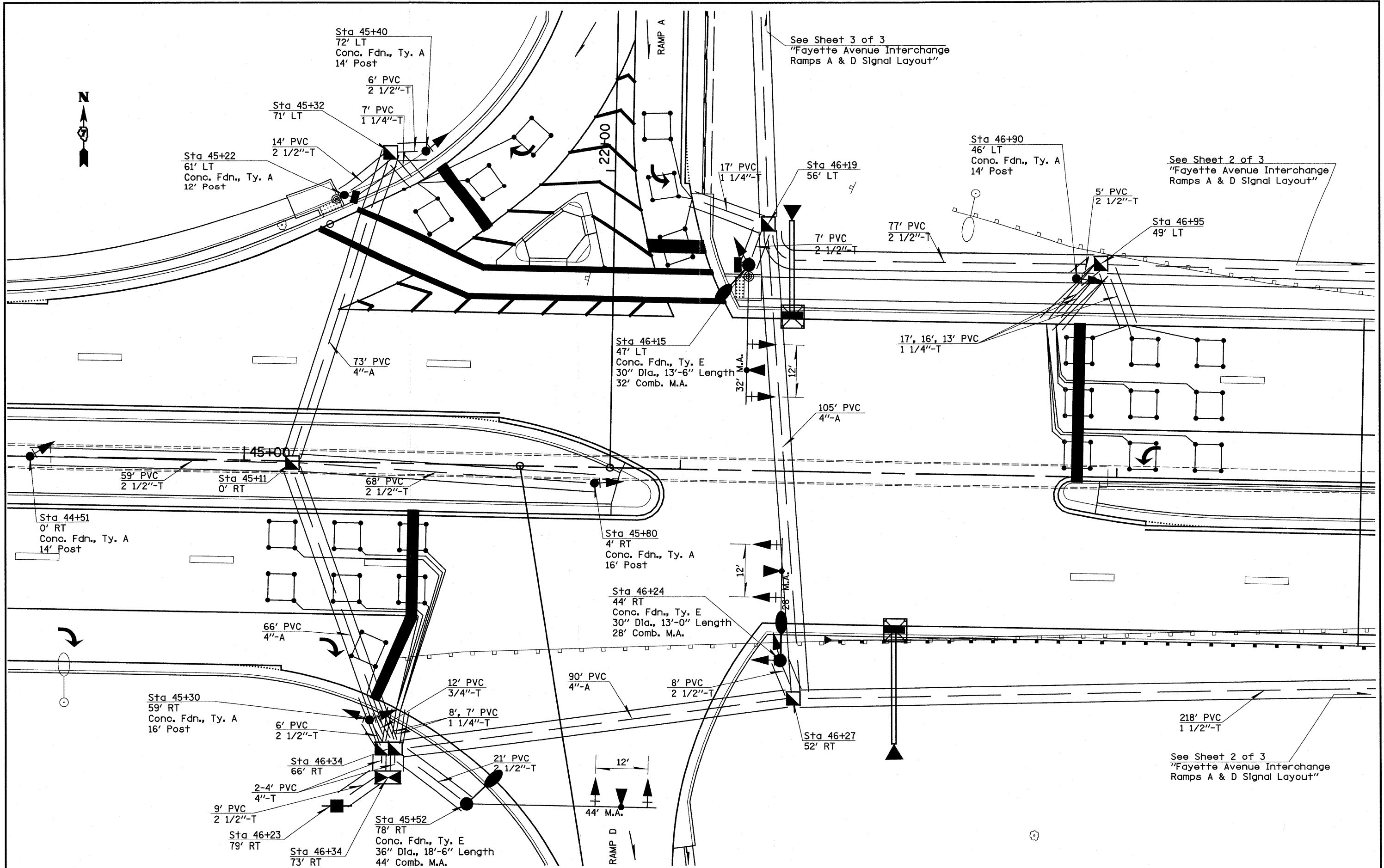
SIGN PANEL DETAILS



PHASE DESIGNATION DIAGRAM

BILL OF MATERIALS - FAYETTE AVENUE & SB RAMPS-I57/70 (RAMPS A & D)

ITEM	UNIT	QUANTITY
SIGN PANEL-TYPE 1	SQ FT	33.0
SIGN PANEL-TYPE 2	SQ FT	28.0
SERVICE INSTALLATION, TYPE A	EACH	1.0
CONDUIT IN TRENCH, 3/4" DIA., PVC	FOOT	32.0
CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	85.0
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	516.0
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	280.0
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	8.0
CONDUIT, AUGERED 4" DIA., PVC	FOOT	334.0
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	311.0
HANDHOLE	EACH	7.0
DOUBLE HANDHOLE	EACH	1.0
GULFBOX JUNCTION	EACH	2.0
ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 1/C NO. 8	FOOT	1724.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	921.0
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1.0
UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1.0
TRANSCEIVER-FIBER OPTIC	EACH	1.0
FIBER OPTIC CABLE IN CONDUIT, 62.5/125, 6F	FOOT	857.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	439.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2208.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	401.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2357.0
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	30.0
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	1.0
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	3.0
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	2.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	18.0
CONCRETE FOUNDATION, TYPE C	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	26.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	18.5
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2.0
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	17.0
INDUCTIVE LOOP DETECTOR	EACH	12.0
DETECTOR LOOP, TYPE 1	FOOT	1205.0
LIGHT DETECTOR	EACH	3.0
LIGHT DETECTOR AMPLIFIER	EACH	1.0
PEDESTRIAN PUSH-BUTTON	EACH	2.0
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	698.0
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	556.0



See Sheet 3 of 3
"Fayette Avenue Interchange
Ramps A & D Signal Layout"

See Sheet 2 of 3
"Fayette Avenue Interchange
Ramps A & D Signal Layout"

See Sheet 2 of 3
"Fayette Avenue Interchange
Ramps A & D Signal Layout"

FILE NAME = #FILE#	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAYETTE AVENUE INTERCHANGE-RAMPS A & D SIGNAL LAYOUT		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE = 200.0000' / IN.	DRAWN -	REVISED -		SCALE: 1"=10'	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.	70	(25-3)I-6 & (25-3)B-2)B	EFFINGHAM	839	239
	PLOT DATE = 6/25/2018	CHECKED -	REVISED -										
		DATE -	REVISED -										

ILLINOIS FED. AID PROJECT
CONTRACT NO. 74293



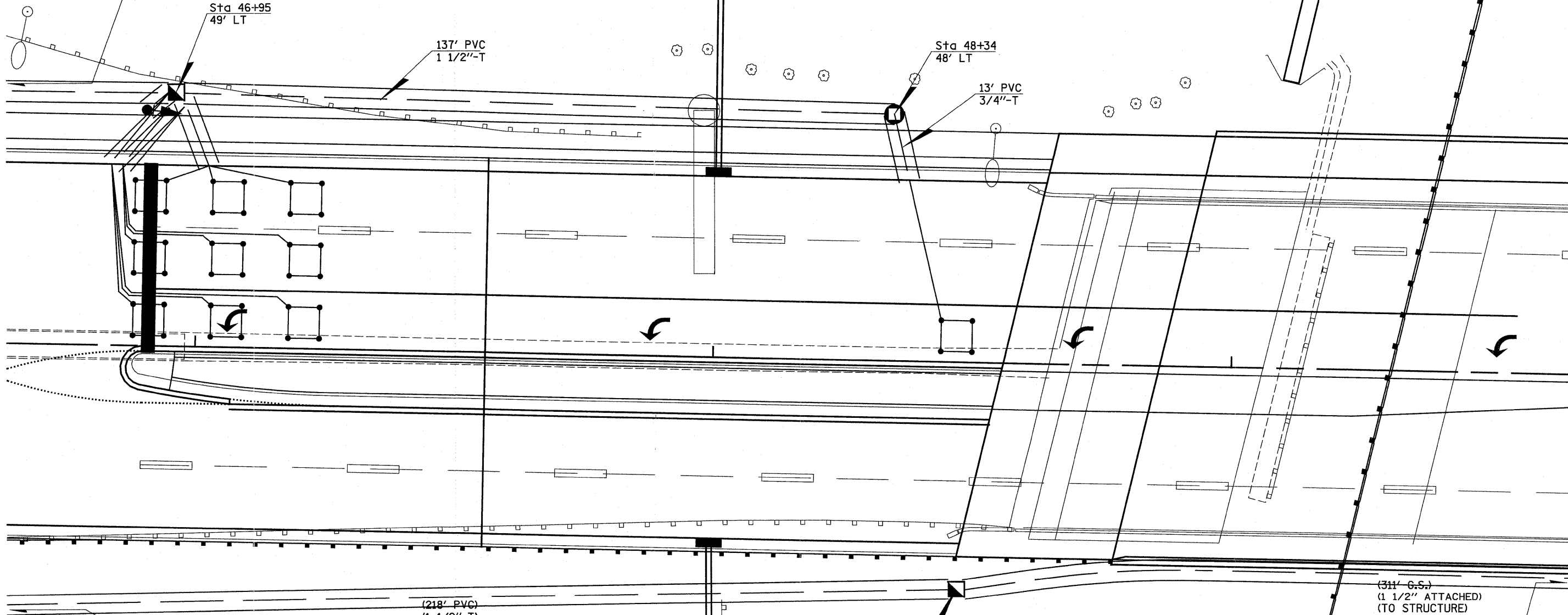
See Sheet 1 of 3
"Fayette Avenue Interchange
Ramps A & D Signal Layout"

Sta 46+95
49' LT

137' PVC
1 1/2"-T

Sta 48+34
48' LT

13' PVC
3/4"-T



See Sheet 1 of 3
"Fayette Avenue Interchange
Ramps A & D Signal Layout"

(218' PVC)
(1 1/2"-T)
(From previous sheet)

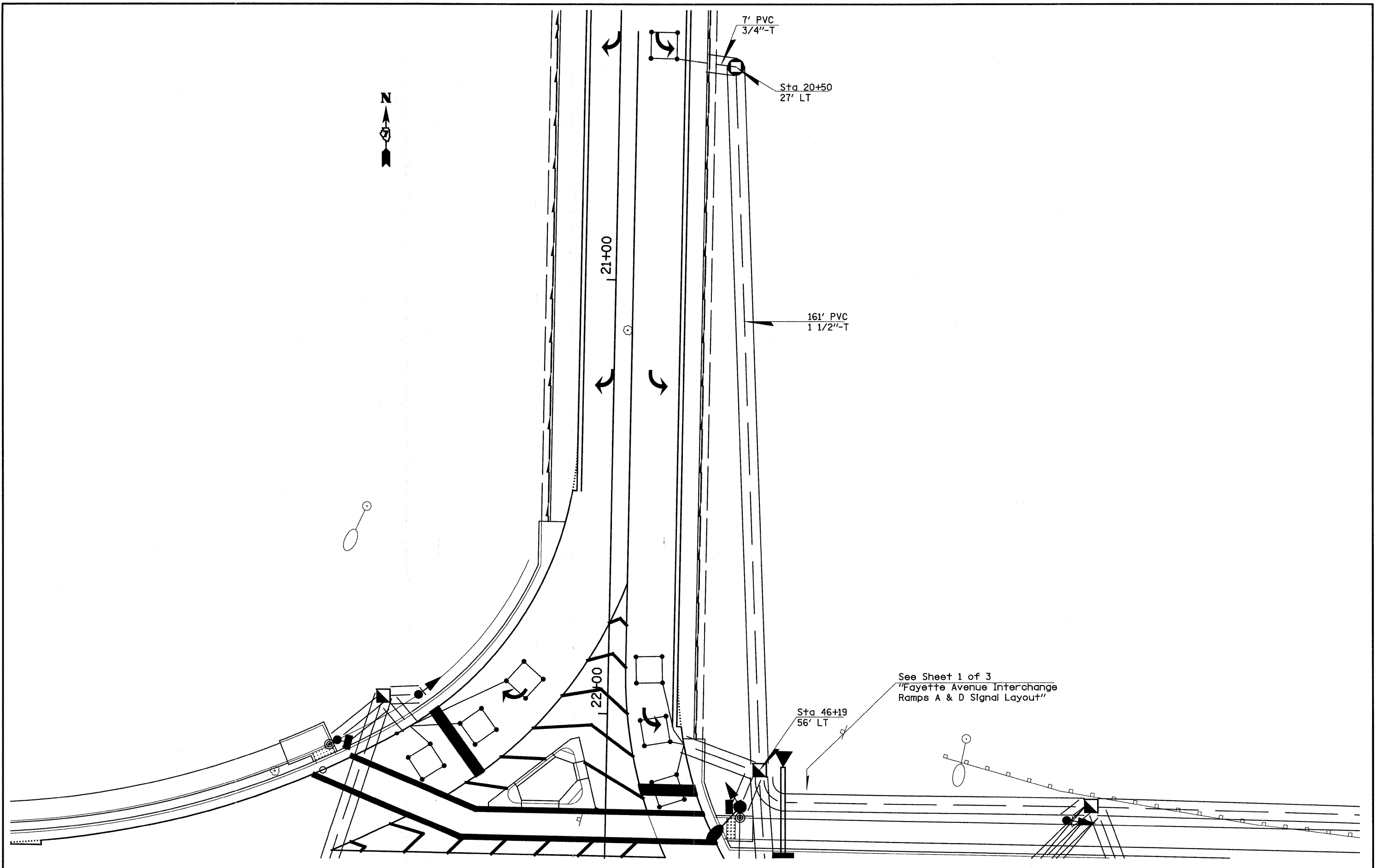
INSTALL FIBER OPTIC INTERCONNECT FROM RAMPS A & D OF FAYETTE AVENUE INTERCHANGE TO RAMPS B & C OF FAYETTE AVENUE INTERCHANGE TO ILLINI DRIVE TO RANEY STREET TO COMPLETE THE CIRCUIT.

Sta 48+48
44' RT

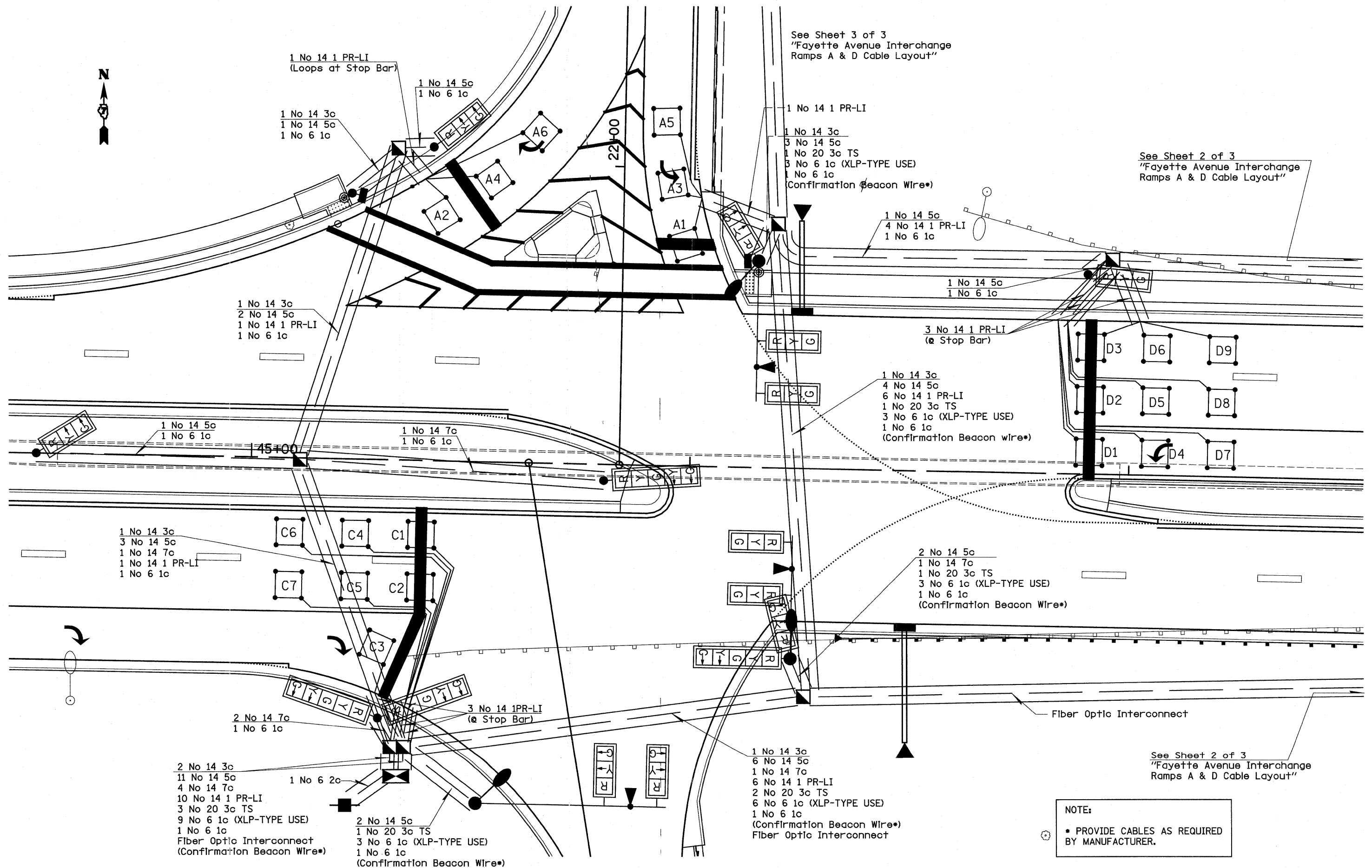
(311' G.S.)
(1 1/2" ATTACHED)
(TO STRUCTURE)

See Sheet 1 of 3
"Fayette Avenue Interchange
Ramps B & C Signal Layout"

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAYETTE AVENUE INTERCHANGE-RAMPS A & D SIGNAL LAYOUT		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		SCALE: 1"=10'	SHEET NO. 2 OF 3 SHEETS	STA.	TO	(25-311-6 & (25-311B-2)B	EFFINGHAM	839	240
	PLOT SCALE = 200.0000' / IN.	CHECKED -	REVISED -									
	PLOT DATE = 6/24/2010	DATE -	REVISED -									
											CONTRACT NO. 74293	
											ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAYETTE AVENUE INTERCHANGE-RAMPS A & D SIGNAL LAYOUT		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		SCALE: 1"=10'	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	70	(25-3)I-6 & (25-3)B-2)B	EFFINGHAM	839 241
		PLOT SCALE = 200.0000' / IN.	REVISED -									
		PLOT DATE = 6/24/2010	REVISED -									
ILLINOIS FED. AID PROJECT												



See Sheet 3 of 3
"Fayette Avenue Interchange
Ramps A & D Cable Layout"

See Sheet 2 of 3
"Fayette Avenue Interchange
Ramps A & D Cable Layout"

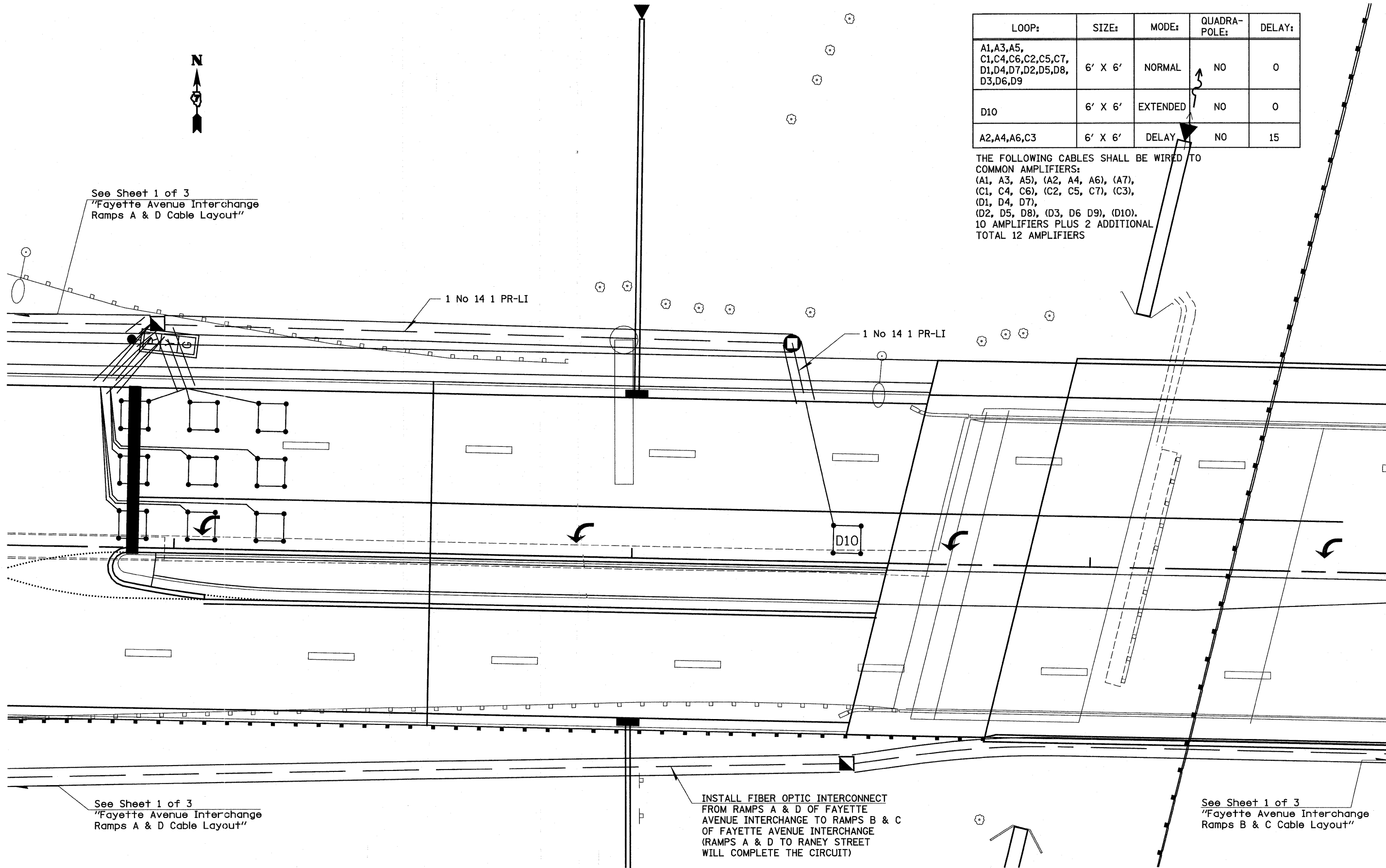
See Sheet 2 of 3
"Fayette Avenue Interchange
Ramps A & D Cable Layout"

NOTE:
* PROVIDE CABLES AS REQUIRED
BY MANUFACTURER.

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAYETTE AVENUE INTERCHANGE-RAMPS A & D CABLE LAYOUT	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 6/24/2018	CHECKED -	REVISED -			CONTRACT NO. 74293		ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -			SCALE:	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.		



See Sheet 1 of 3
"Fayette Avenue Interchange
Ramps A & D Cable Layout"



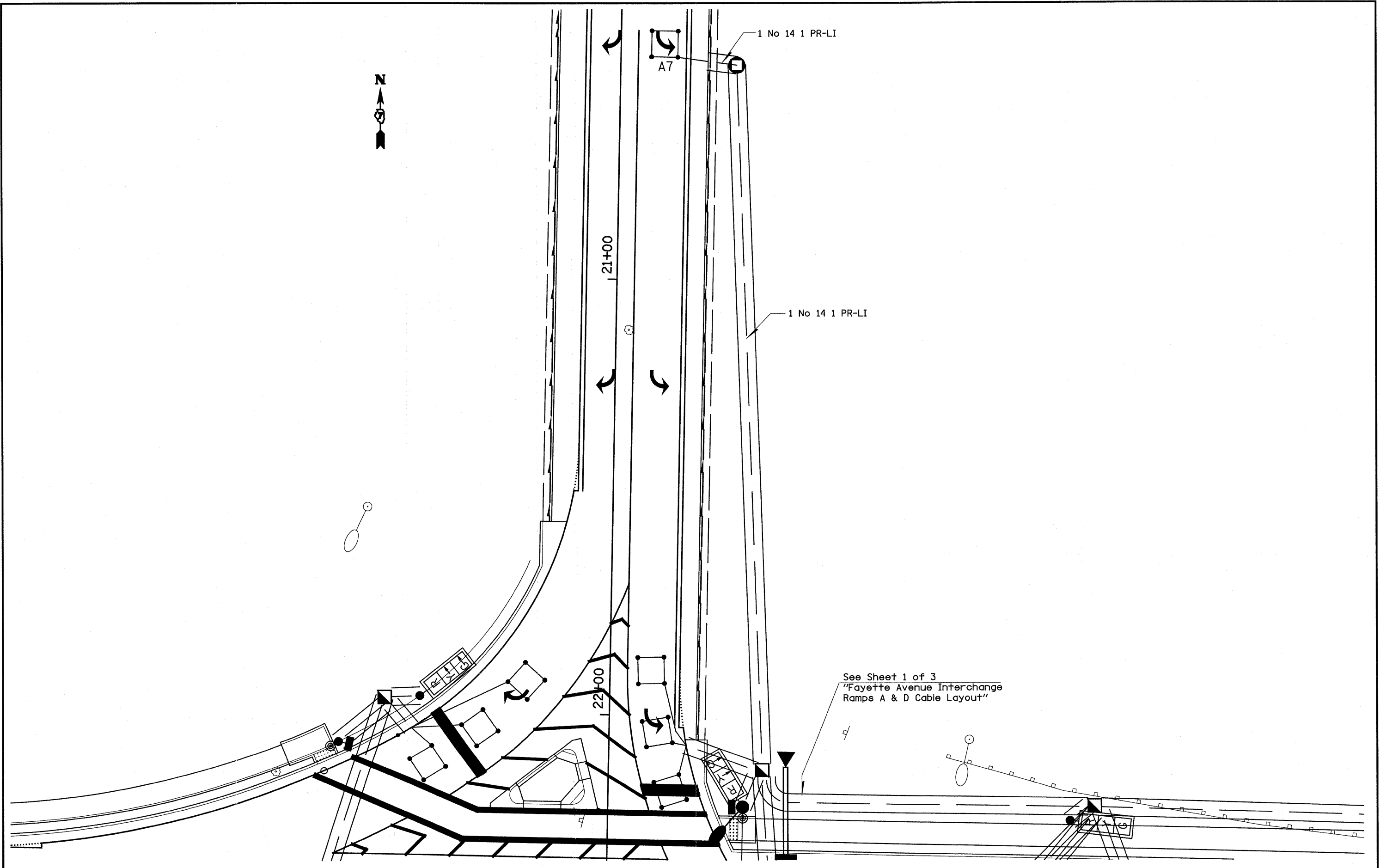
LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
A1,A3,A5, C1,C4,C6,C2,C5,C7, D1,D4,D7,D2,D5,D8, D3,D6,D9	6' X 6'	NORMAL	NO	0
D10	6' X 6'	EXTENDED	NO	0
A2,A4,A6,C3	6' X 6'	DELAY	NO	15

THE FOLLOWING CABLES SHALL BE WIRED TO
COMMON AMPLIFIERS:
(A1, A3, A5), (A2, A4, A6), (A7),
(C1, C4, C6), (C2, C5, C7), (C3),
(D1, D4, D7),
(D2, D5, D8), (D3, D6, D9), (D10).
10 AMPLIFIERS PLUS 2 ADDITIONAL
TOTAL 12 AMPLIFIERS

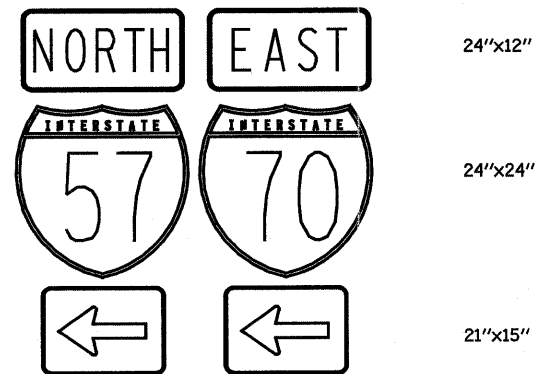
See Sheet 1 of 3
"Fayette Avenue Interchange
Ramps A & D Cable Layout"

INSTALL FIBER OPTIC INTERCONNECT
FROM RAMPS A & D OF FAYETTE
AVENUE INTERCHANGE TO RAMPS B & C
OF FAYETTE AVENUE INTERCHANGE
(RAMPS A & D TO RANEY STREET
WILL COMPLETE THE CIRCUIT)

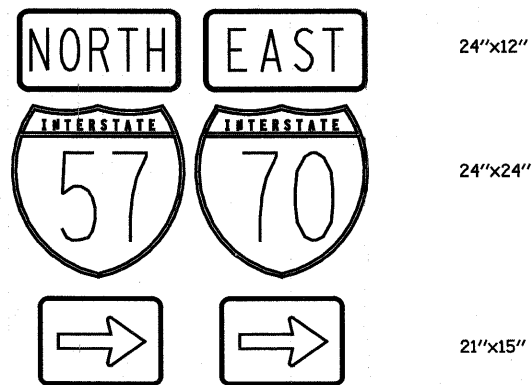
See Sheet 1 of 3
"Fayette Avenue Interchange
Ramps B & C Cable Layout"



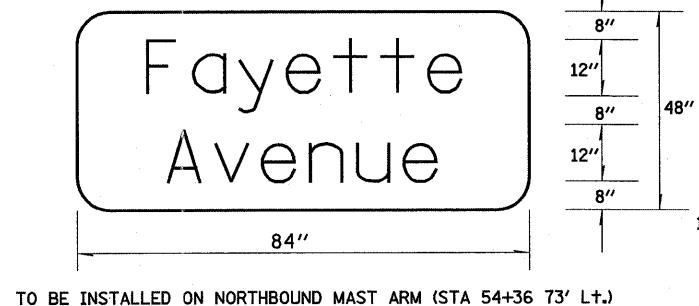
FILE NAME = #FILEL#	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAYETTE AVENUE INTERCHANGE RAMPS A & D CABLE LAYOUT		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000' / IN.	DRAWN -	REVISED -				70	(25-3)I-6 & (25-3)B-2)B	EFFINGHAM	839	244
	PLOT DATE = 6/24/2010	CHECKED -	REVISED -				CONTRACT NO. 74293				
	DATE -	REVISED -		SCALE:	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



TO BE INSTALLED ON EASTBOUND MAST ARM (STA 53+71 56' Rt.)



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 53+47 48' Lt.)



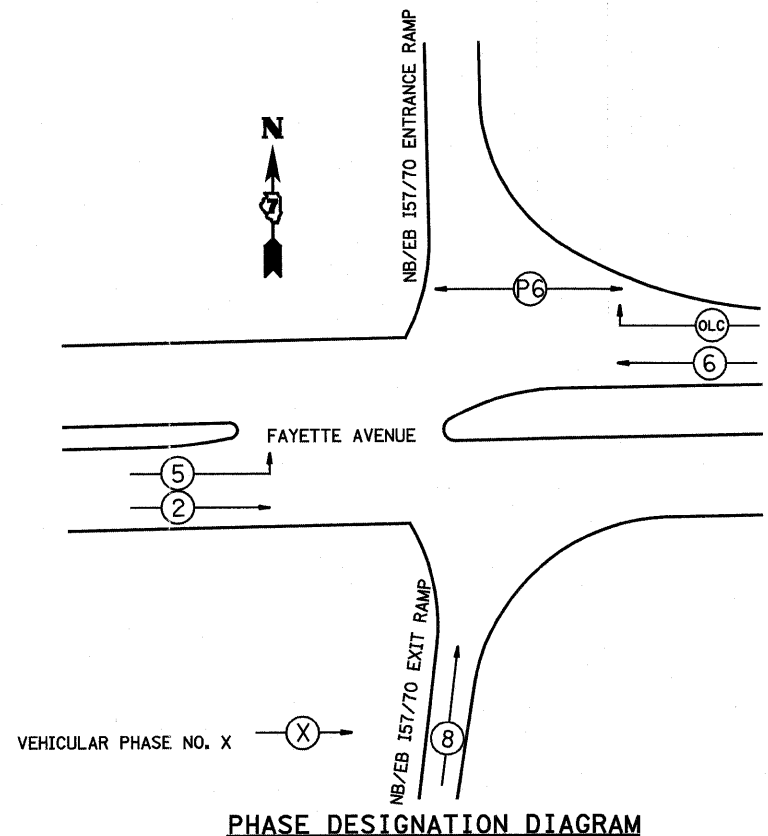
TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 54+36 73' Lt.)

- SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
- UPPER/LOWER CASE LETTERS, 5W CLEARVIEW FONT.

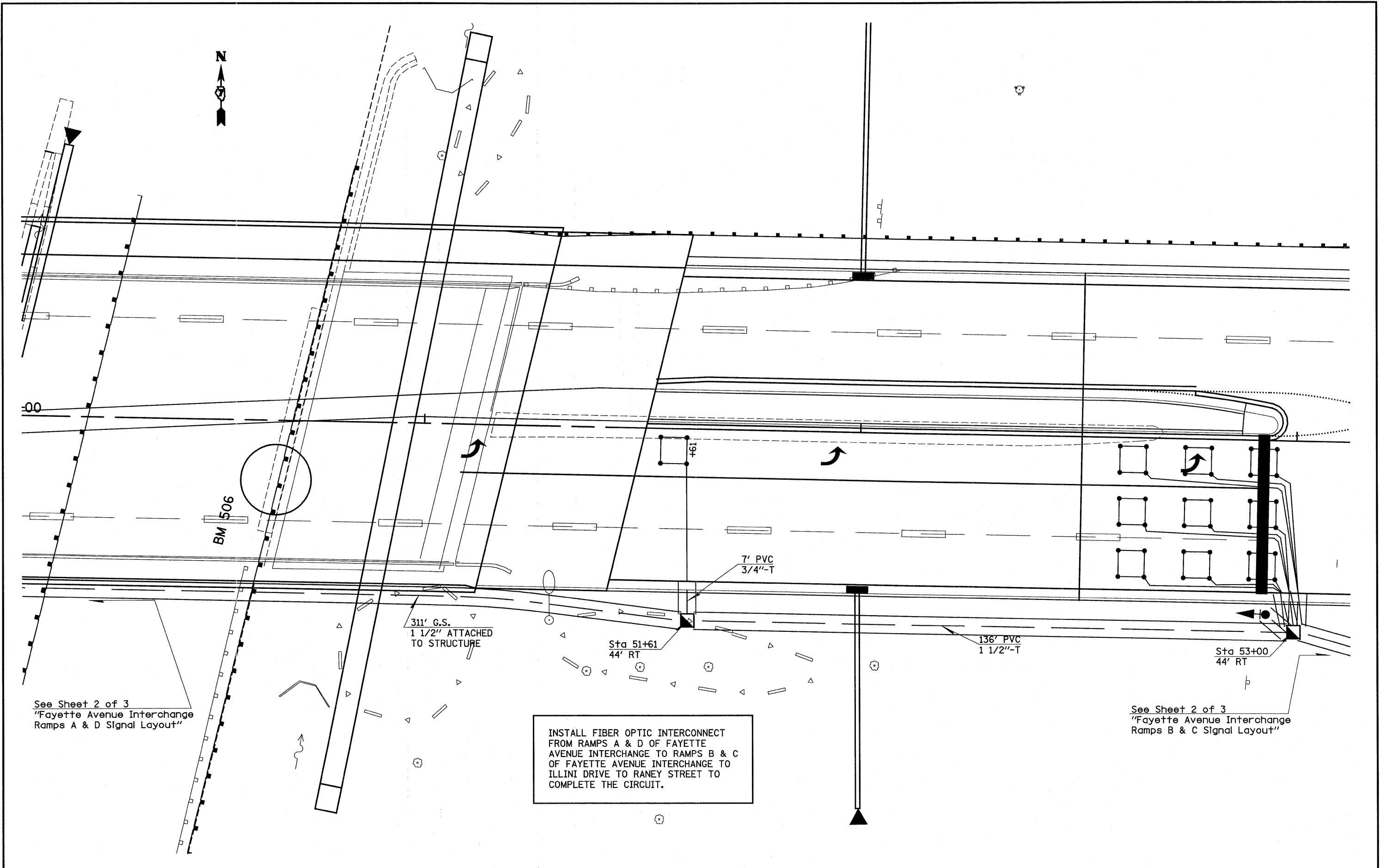
SIGN PANEL DETAILS

BILL OF MATERIALS - FAYETTE AVENUE & NB RAMPS-I57/70 (RAMPS B & C)

ITEM	UNIT	QUANTITY
SIGN PANEL-TYPE 1	SQ FT	33.0
SIGN PANEL-TYPE 2	SQ FT	28.0
SERVICE INSTALLATION, TYPE A	EACH	1.0
CONDUIT IN TRENCH, 3/4" DIA., PVC	FOOT	33.0
CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	66.0
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	1597.0
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	213.0
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	35.0
CONDUIT, AUGERED 4" DIA., PVC	FOOT	346.0
HANDHOLE	EACH	7.0
DOUBLE HANDHOLE	EACH	1.0
GULFBOX JUNCTION	EACH	5.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1899.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	620.0
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1.0
MASTER CONTROLLER	EACH	1.0
UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1.0
TRANSCIEVER-FIBER OPTIC	EACH	1.0
FIBER OPTIC CABLE IN CONDUIT, 62.5/125, 6F	FOOT	1676.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	421.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2086.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	968.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1621.0
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	30.0
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	1.0
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	3.0
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	1.0
TRAFFIC SIGNAL POST, ALUMINUM 18 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	18.0
CONCRETE FOUNDATION, TYPE C	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	23.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2.0
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	17.0
INDUCTIVE LOOP DETECTOR	EACH	12.0
DETECTOR LOOP, TYPE 1	FOOT	1220.0
LIGHT DETECTOR	EACH	3.0
LIGHT DETECTOR AMPLIFIER	EACH	1.0
PEDESTRIAN PUSH-BUTTON	EACH	2.0
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	684.0
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	604.0



PHASE DESIGNATION DIAGRAM

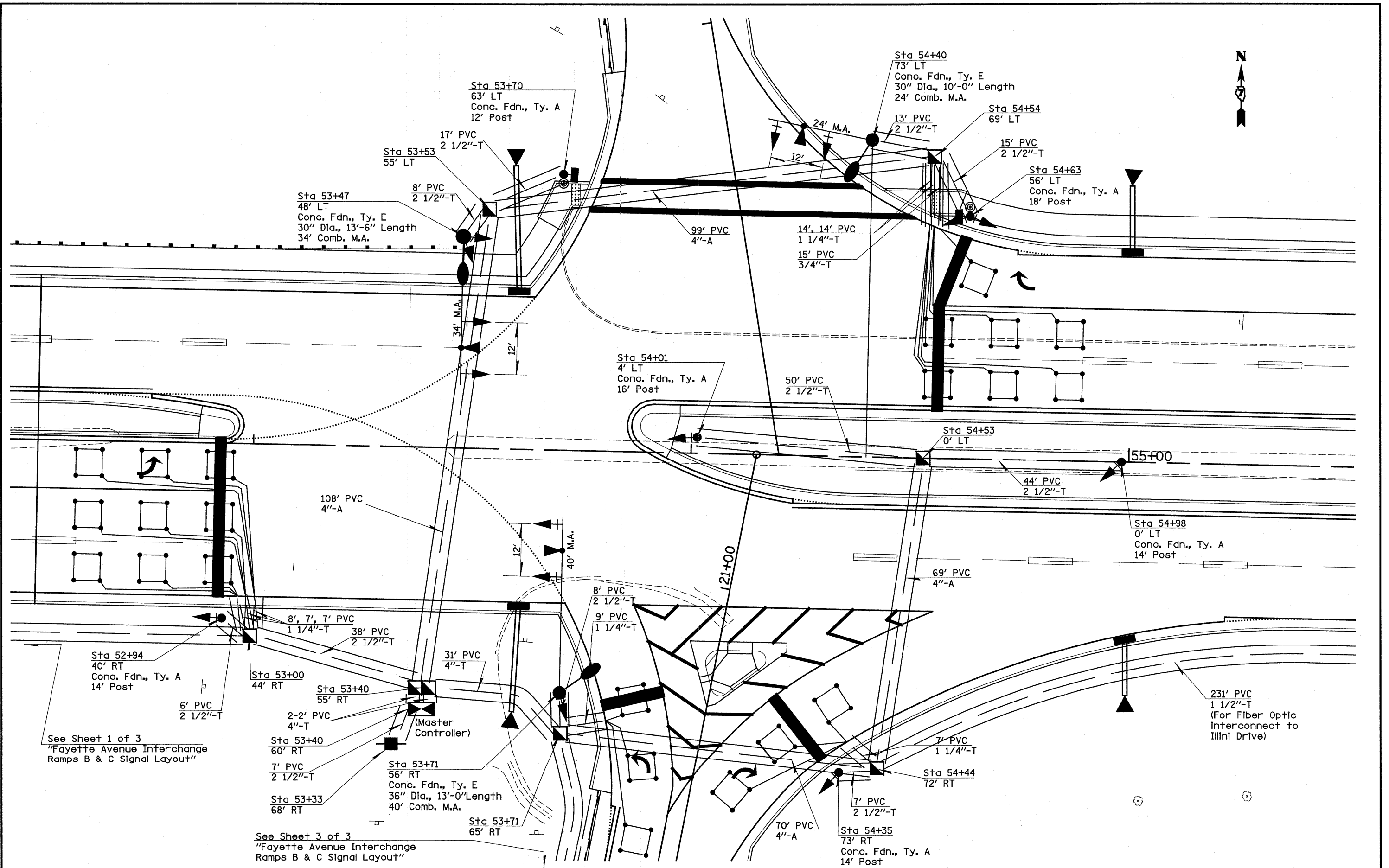


See Sheet 2 of 3
"Fayette Avenue Interchange
Ramps A & D Signal Layout"

See Sheet 2 of 3
"Fayette Avenue Interchange
Ramps B & C Signal Layout"

INSTALL FIBER OPTIC INTERCONNECT
FROM RAMPS A & D OF FAYETTE
AVENUE INTERCHANGE TO RAMPS B & C
OF FAYETTE AVENUE INTERCHANGE TO
ILLINI DRIVE TO RANEY STREET TO
COMPLETE THE CIRCUIT.

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAYETTE AVENUE INTERCHANGE RAMPS B & C SIGNAL LAYOUT	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = 200.0000' / IN.	DRAWN -	REVISED -			70	(25-3)1-6 & (25-3)B-2)B	EFFINGHAM	839	246	
	PLOT DATE = 6/24/2018	CHECKED -	REVISED -			CONTRACT NO. 74293					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. 1 OF 3 SHEETS		STA.	TO STA.		

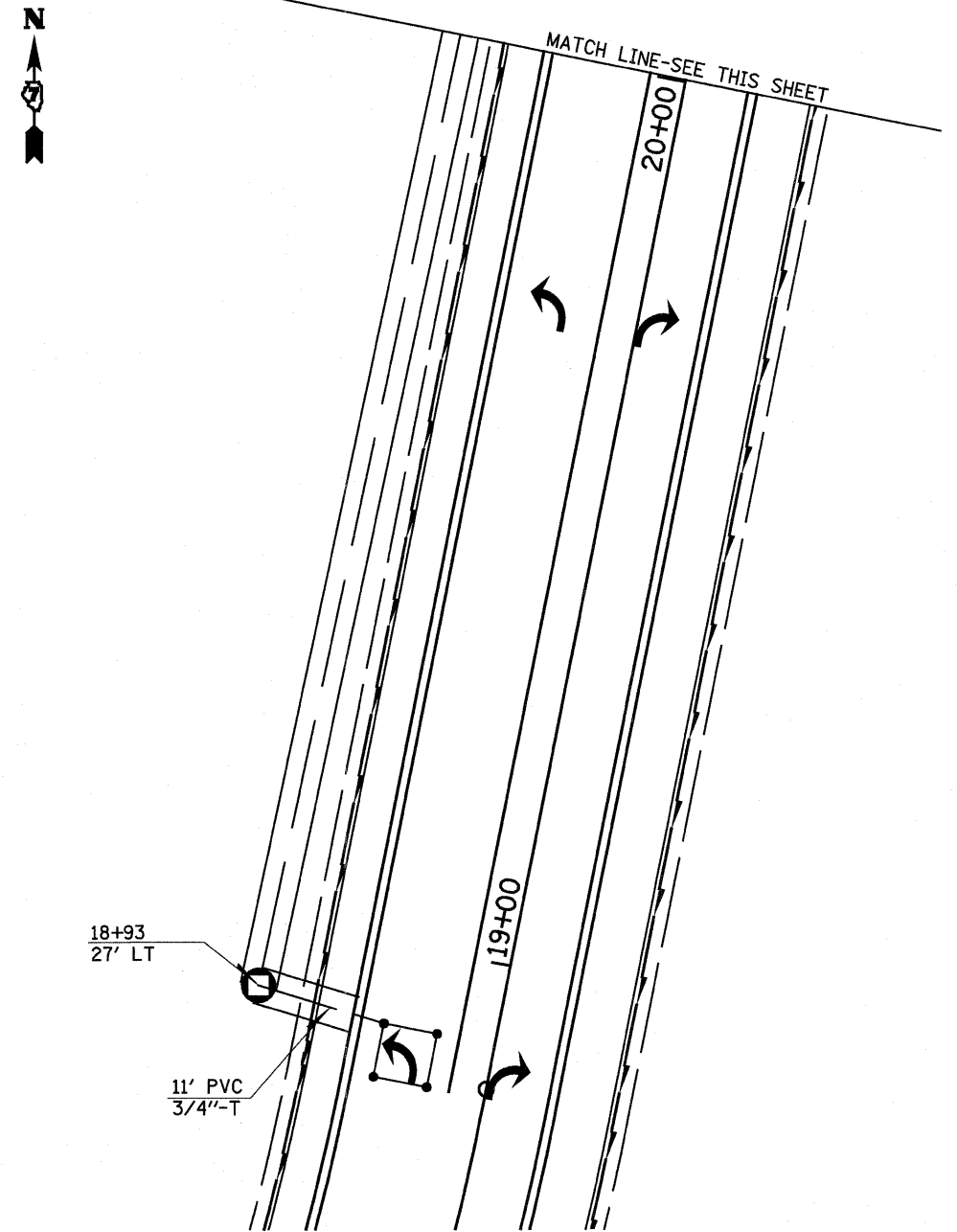
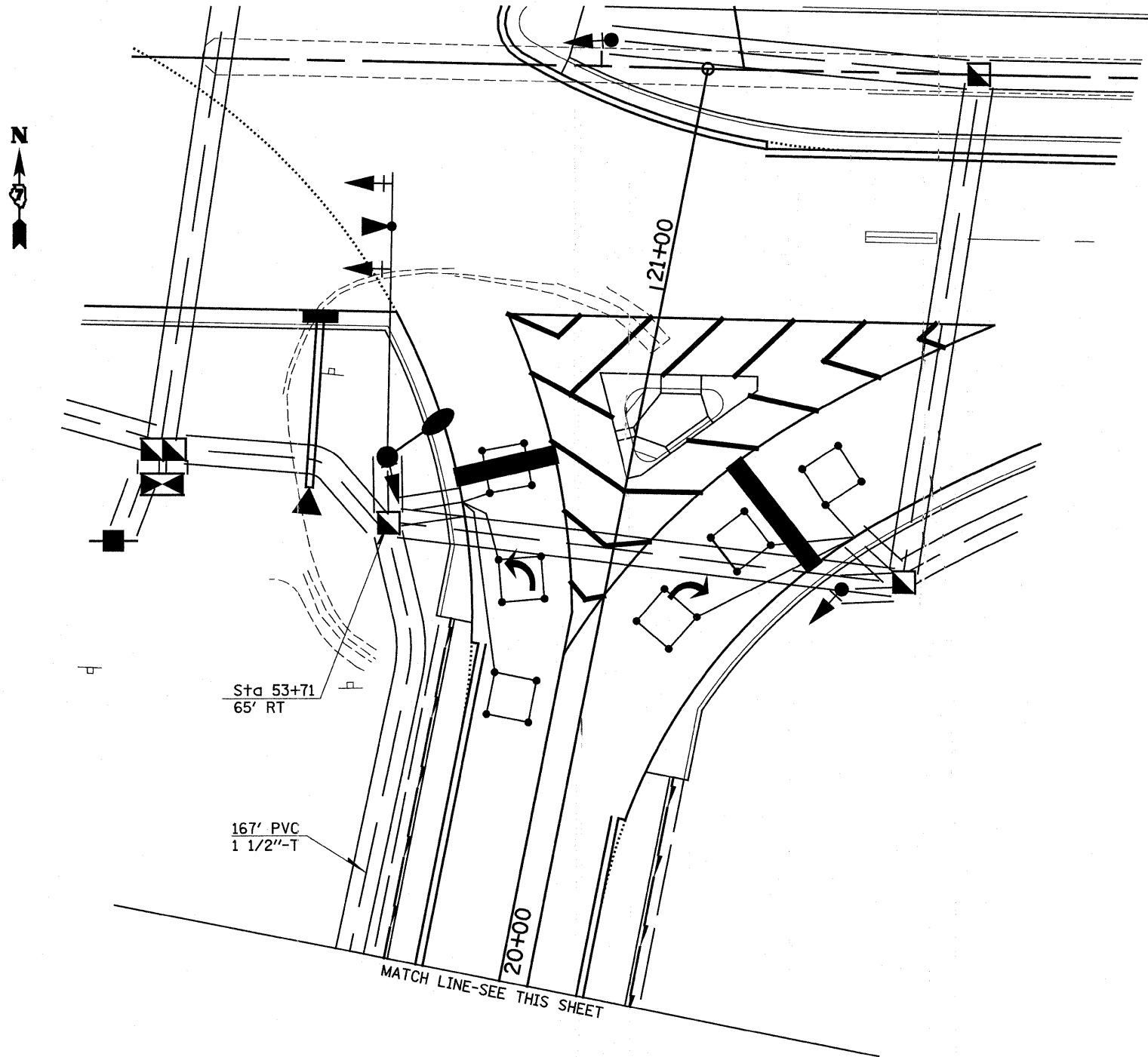


See Sheet 1 of 3
"Fayette Avenue Interchange
Ramps B & C Signal Layout"

See Sheet 3 of 3
"Fayette Avenue Interchange
Ramps B & C Signal Layout"

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAYETTE AVENUE INTERCHANGE-RAMPS B & C SIGNAL LAYOUT		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
#FILEL#		DRAWN -	REVISED -		SCALE: 1"=10'	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	TO	(25-3)I-6 & (25-3)HB-2)B	EFFINGHAM	839	247
	PLOT SCALE = 200.0000' / IN.	CHECKED -	REVISED -										
	PLOT DATE = 6/24/2010	DATE -	REVISED -										
											CONTRACT NO. 74293		
											<small>ILLINOIS FED. AID PROJECT</small>		

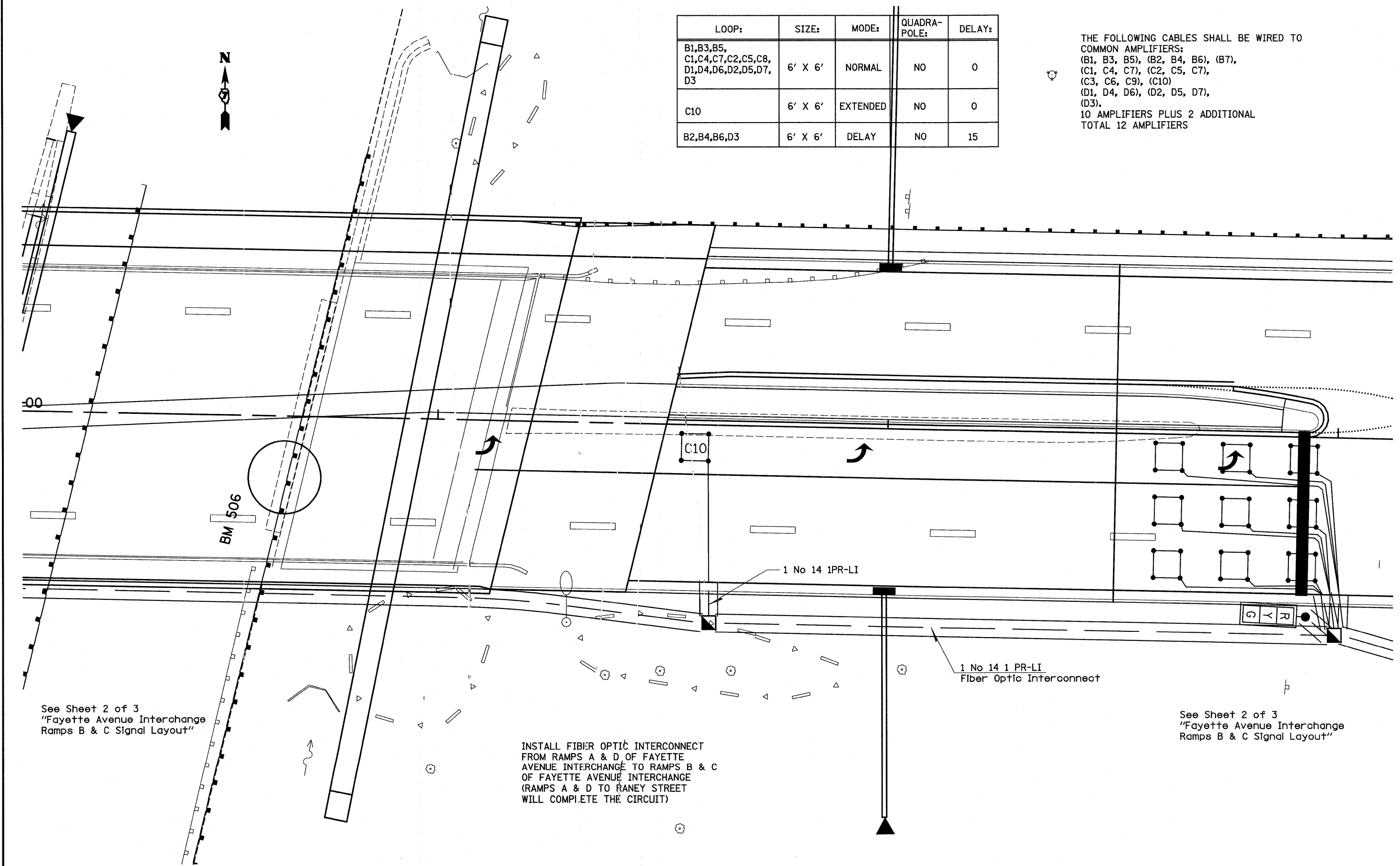
See Sheet 2 of 3
 "Fayette Avenue Interchange
 Ramps B & C Signal Layout"

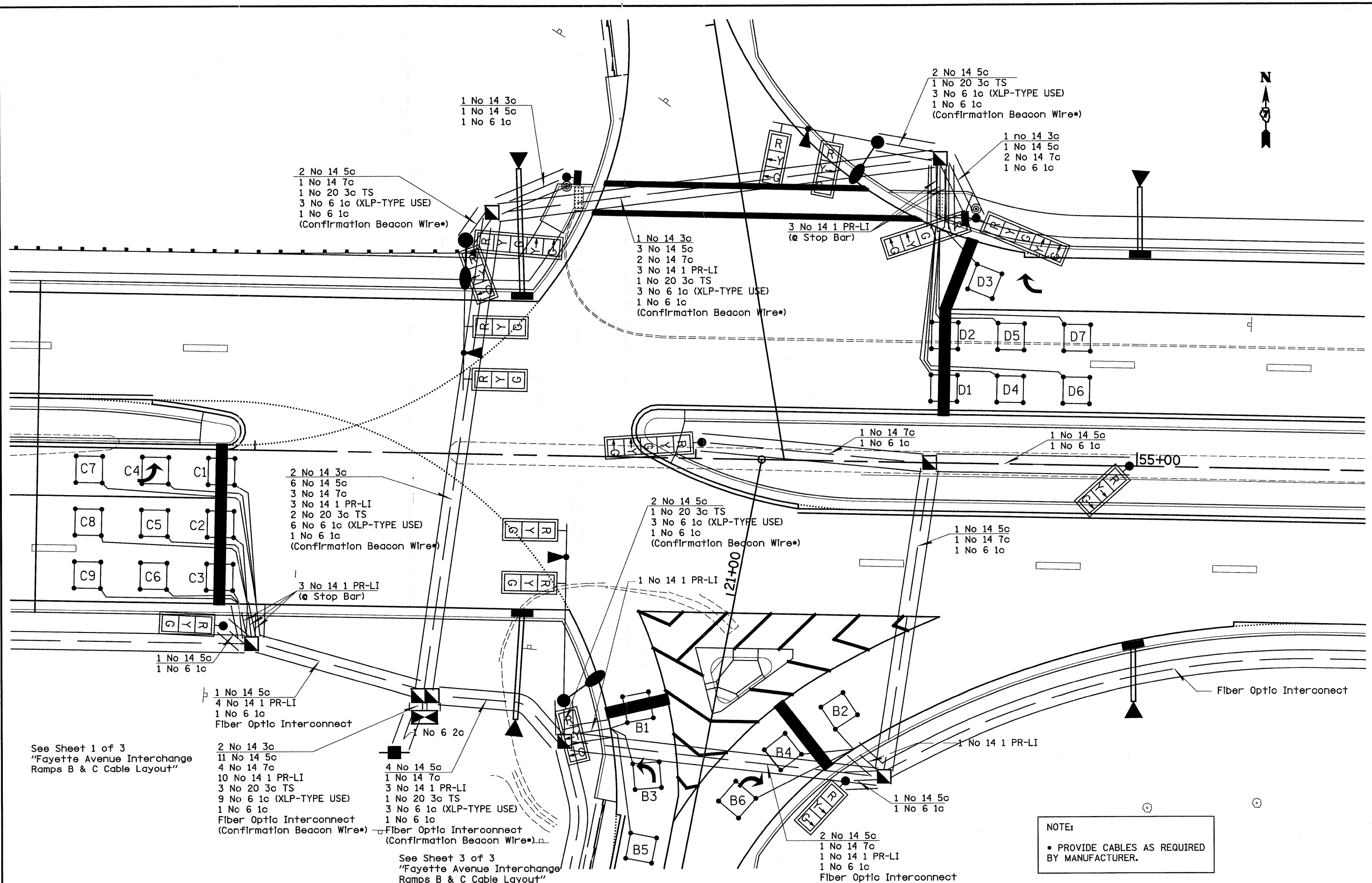


FILE NAME = #FILEL#	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAYETTE AVENUE INTERCHANGE RAMPS B & C SIGNAL LAYOUT		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000 ' / IN.	DRAWN -	REVISED -				70	(25-3)I-6 & (25-3)B-2)B	EFFINGHAM	839	248
	PLOT DATE = 6/24/2018	CHECKED -	REVISED -				CONTRACT NO. 74293				
	DATE -	REVISED -		SCALE:	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
B1,B3,B5, C1,C4,C7,C2,C5,C8, D1,D4,D6,D2,D5,D7, D3	6' X 6'	NORMAL	NO	0
C10	6' X 6'	EXTENDED	NO	0
B2,B4,B6,D3	6' X 6'	DELAY	NO	15

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON AMPLIFIERS:
 (B1, B3, B5), (B2, B4, B6), (B7),
 (C1, C4, C7), (C2, C5, C7),
 (C3, C6, C9), (C10)
 (D1, D4, D6), (D2, D5, D7),
 (D3).
 10 AMPLIFIERS PLUS 2 ADDITIONAL
 TOTAL 12 AMPLIFIERS





See Sheet 1 of 3
"Fayette Avenue Interchange
Ramps B & C Cable Layout"

See Sheet 3 of 3
"Fayette Avenue Interchange
Ramps B & C Cable Layout"

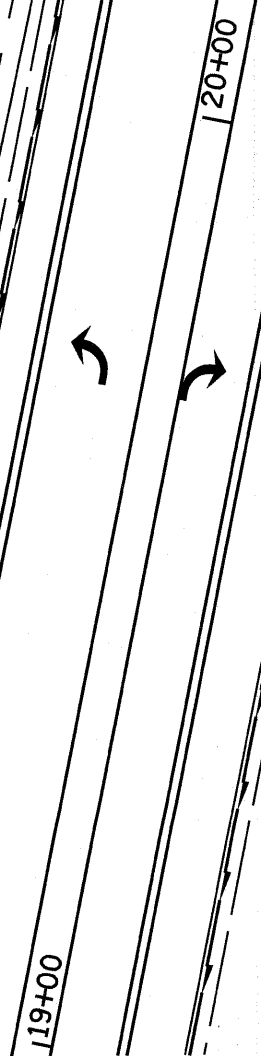
NOTE:
• PROVIDE CABLES AS REQUIRED
BY MANUFACTURER.

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAYETTE AVENUE INTERCHANGE-RAMPS B & C CABLE LAYOUT	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			70	(25-3)I-6 & (25-3)B-2/B	EFFINGHAM	839	250	
	PLOT SCALE = 200.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 74293					
	PLOT DATE = 6/24/2010	DATE -	REVISED -			SCALE:	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

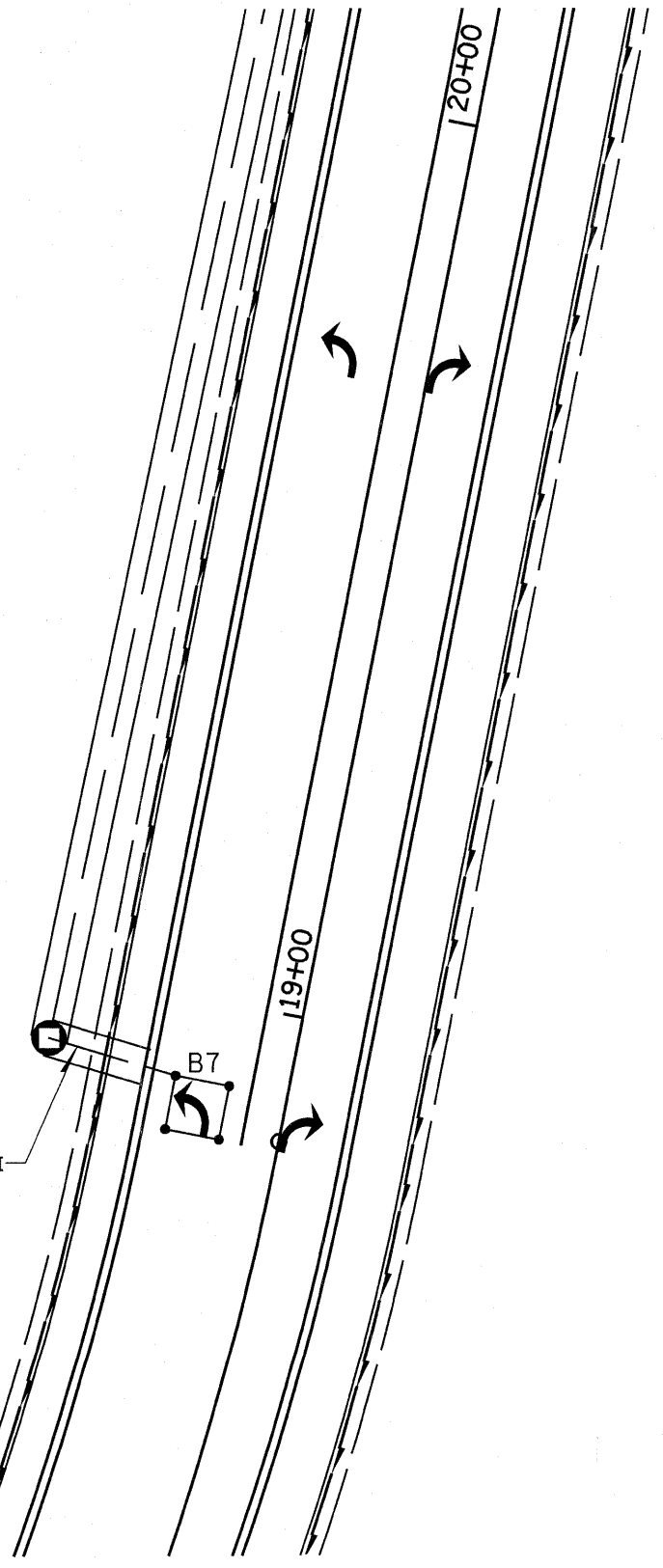
See Sheet 2 of 3
 "Fayette Avenue Interchange
 Ramps B & C Signal Layout"



1 No 14 1 PR-LI



1 No 14 1 PR-LI



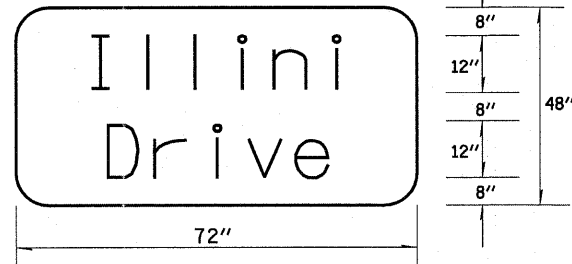
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	PLOT DATE = 6/24/2010	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAYETTE AVENUE INTERCHANGE-RAMPS B & C
 CABLE LAYOUT

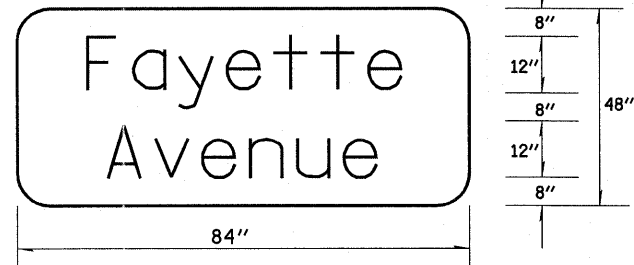
SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-3)I-6 & (25-3)B-2)B	EFFINGHAM	839	251
CONTRACT NO. 74293				
ILLINOIS FED. AID PROJECT				



TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 67+91 67' Tt.)
 TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 68+92 70' Lt.)

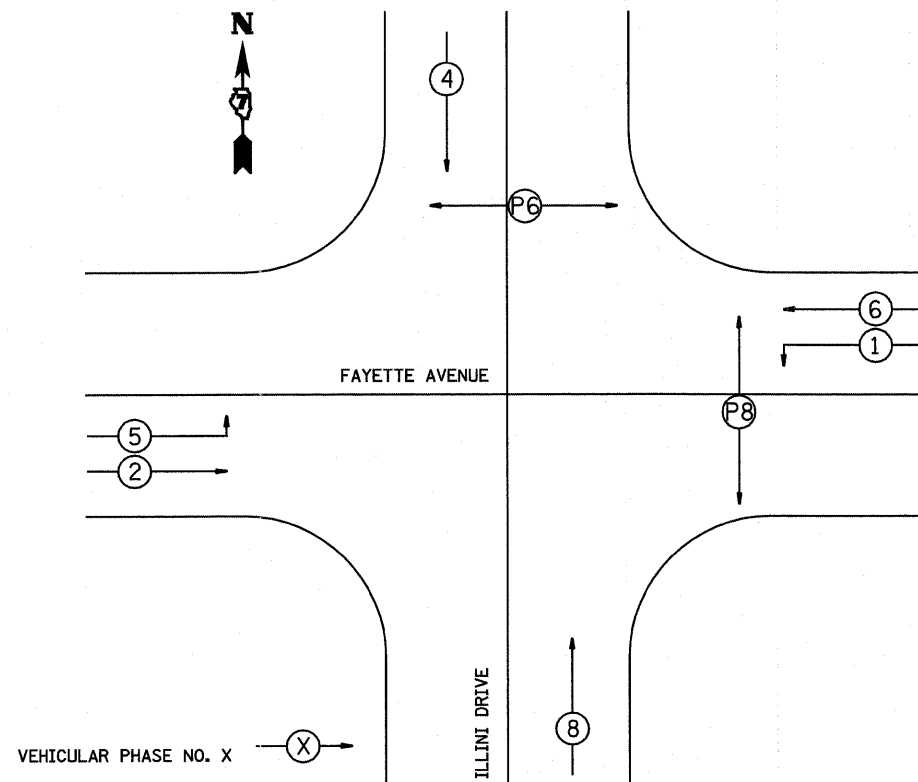
1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. UPPER/LOWER CASE LETTERS, 5W CLEARVIEW FONT.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 67+73 46' Lt.)
 TO BE INSTALLED ON EASTBOUND MAST ARM (STA 69+48 45' Rt.)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. UPPER/LOWER CASE LETTERS, 5W CLEARVIEW FONT.

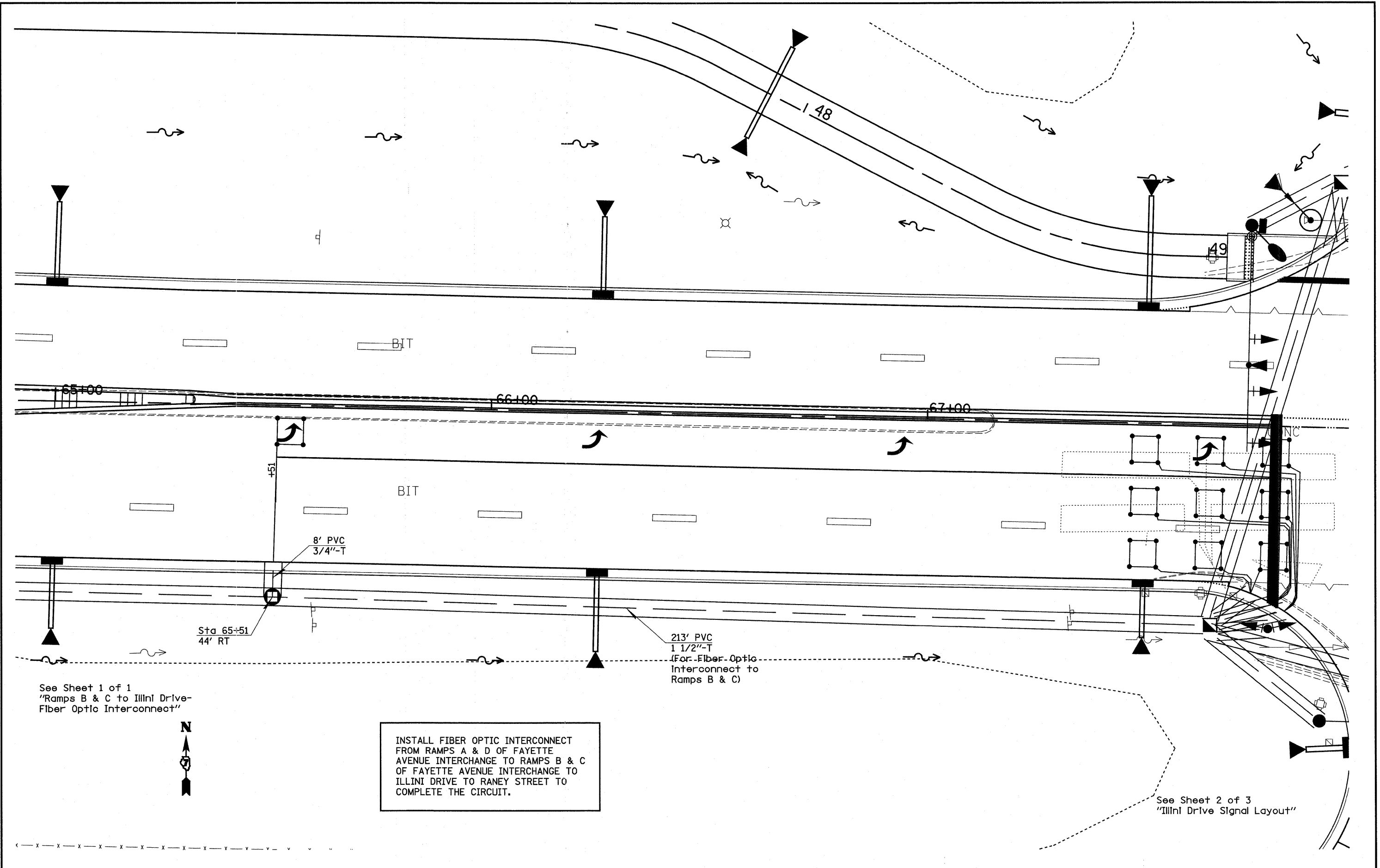
SIGN PANEL DETAILS



PHASE DESIGNATION DIAGRAM

BILL OF MATERIALS - FAYETTE AVENUE & ILLINI DRIVE

ITEM	UNIT	QUANTITY
SIGN PANEL-TYPE 2	SQ FT	80.0
SERVICE INSTALLATION, TYPE A	EACH	1.0
CONDUIT IN TRENCH, 3/4" DIA., PVC	FOOT	12.0
CONDUIT IN TRENCH 1 1/4" DIA., PVC	FOOT	104.0
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	880.0
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	228.0
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	83.0
CONDUIT, AUGERED 4" DIA., PVC	FOOT	307.0
HANDHOLE	EACH	6.0
DOUBLE HANDHOLE	EACH	1.0
GULFBOX JUNCTION	EACH	4.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1586.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	2640.0
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1.0
UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1.0
TRANSCEIVER-FIBER OPTIC	EACH	2.0
FIBER OPTIC CABLE IN CONDUIT, 62.5/125, 6F	FOOT	905.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	766.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2670.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	937.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3428.0
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	30.0
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	1.0
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2.0
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	1.0
TRAFFIC SIGNAL POST, ALUMINUM 18 FT.	EACH	1.0
PEDESTRIAN PUSH-BUTTON POST	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	15.0
CONCRETE FOUNDATION, TYPE C	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	41.0
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	8.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	20.0
INDUCTIVE LOOP DETECTOR	EACH	16.0
DETECTOR LOOP, TYPE 1	FOOT	1414.0
LIGHT DETECTOR	EACH	4.0
LIGHT DETECTOR AMPLIFIER	EACH	1.0
PEDESTRIAN PUSH-BUTTON	EACH	4.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING HANDHOLE	EACH	9.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5.0
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	707.0
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1089.0



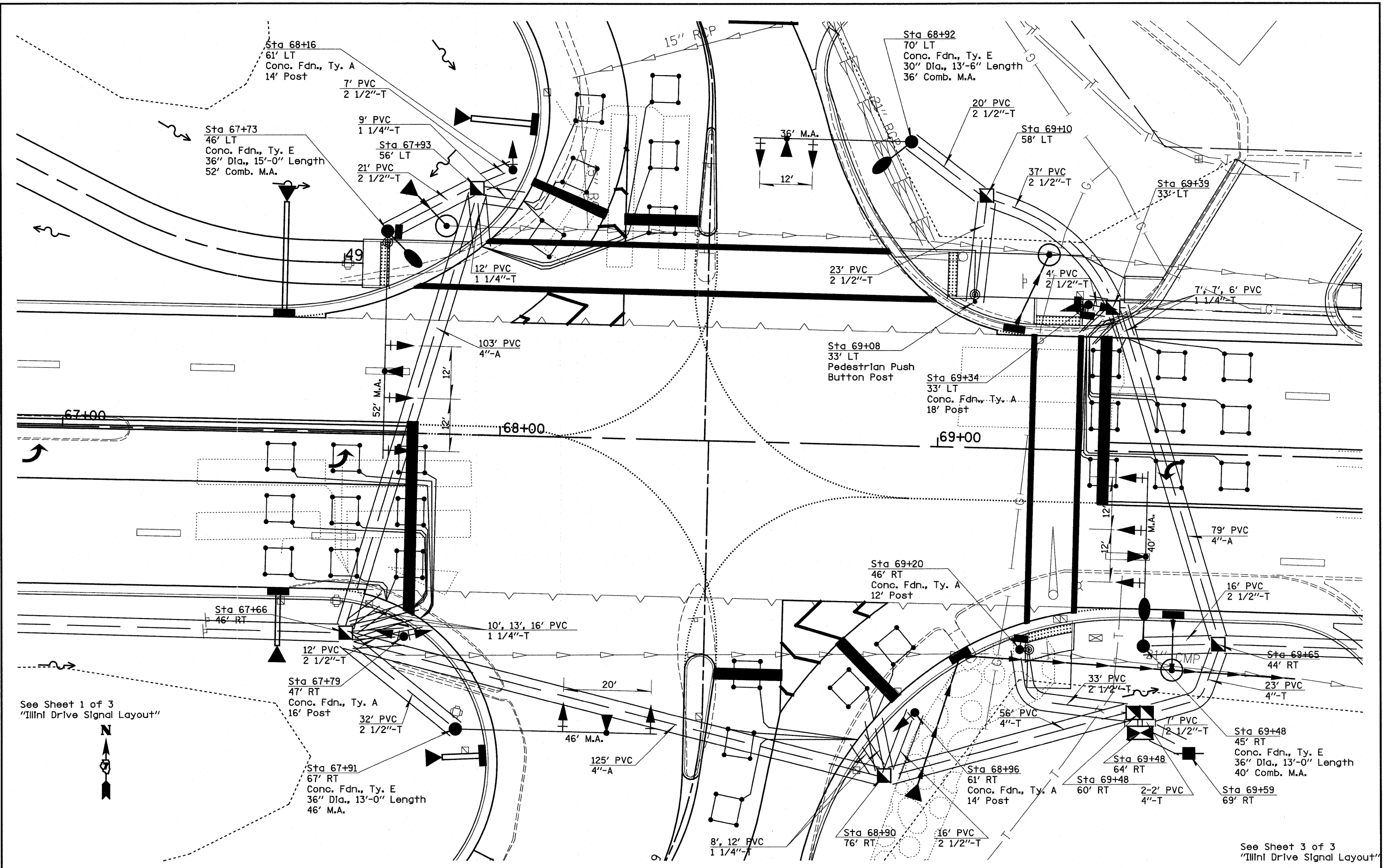
See Sheet 1 of 1
 "Ramps B & C to Illini Drive-
 Fiber Optic Interconnect"



INSTALL FIBER OPTIC INTERCONNECT
 FROM RAMPS A & D OF FAYETTE
 AVENUE INTERCHANGE TO RAMPS B & C
 OF FAYETTE AVENUE INTERCHANGE TO
 ILLINI DRIVE TO RANEY STREET TO
 COMPLETE THE CIRCUIT.

See Sheet 2 of 3
 "Illini Drive Signal Layout"

FILE NAME = #FILE#	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINI DRIVE SIGNAL LAYOUT		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000' / IN.	DRAWN -	REVISED -		70	(25-3)I-6 & (25-3)H-2)B	EFFINGHAM	839	253		
PLOT DATE = 6/24/2010	CHECKED -	REVISED -	SCALE:		SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 74293			
	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								

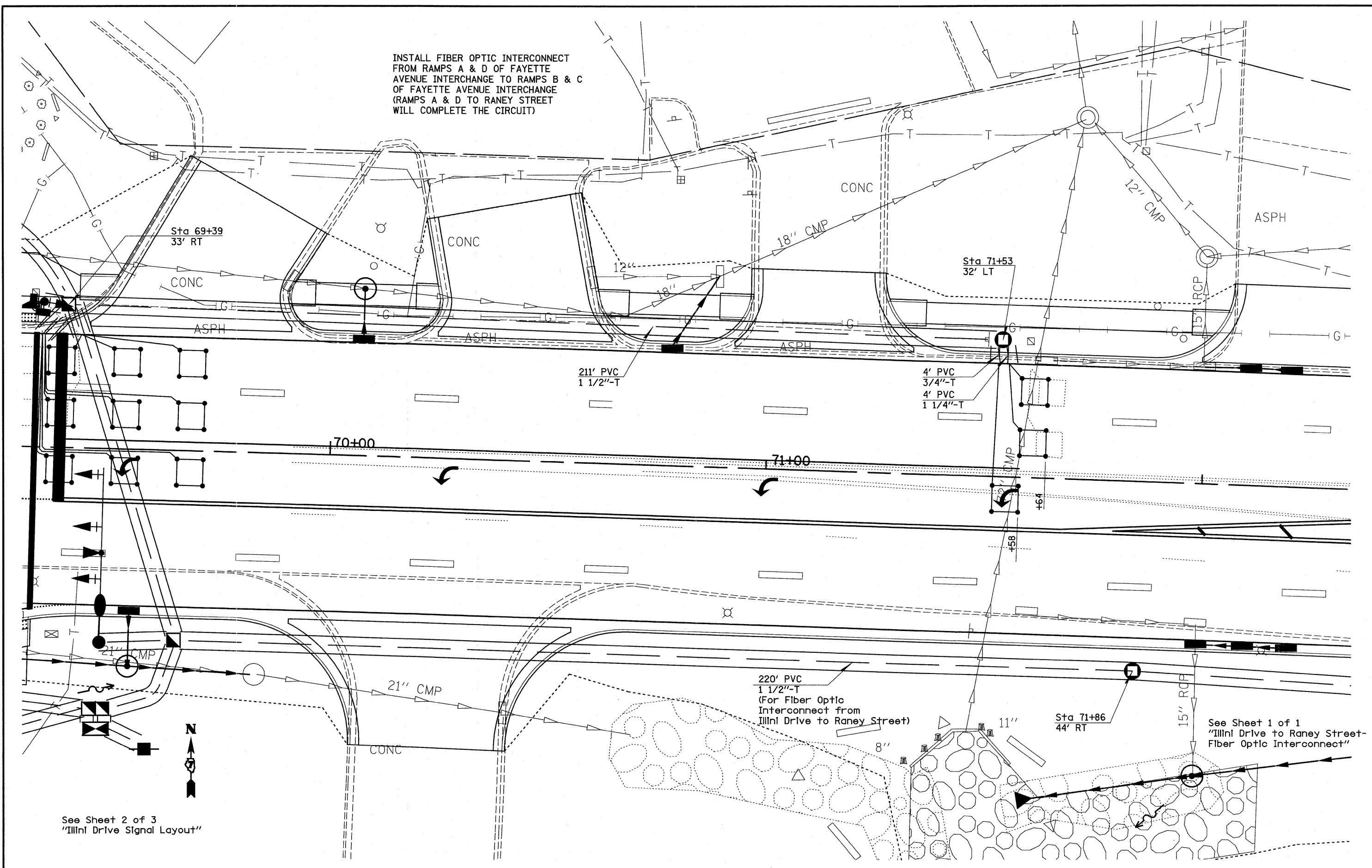


FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINI DRIVE SIGNAL LAYOUT		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		SCALE:	SHEET NO. 2 OF 3 SHEETS	STA.	70	(25-31)-6 & (25-38B-2)B	EFFINGHAM	839	254
		CHECKED -	REVISED -				TO STA.					
		DATE -	REVISED -									
							CONTRACT NO. 74293		ILLINOIS FED. AID PROJECT			

See Sheet 1 of 3
"Illini Drive Signal Layout"

See Sheet 3 of 3
"Illini Drive Signal Layout"

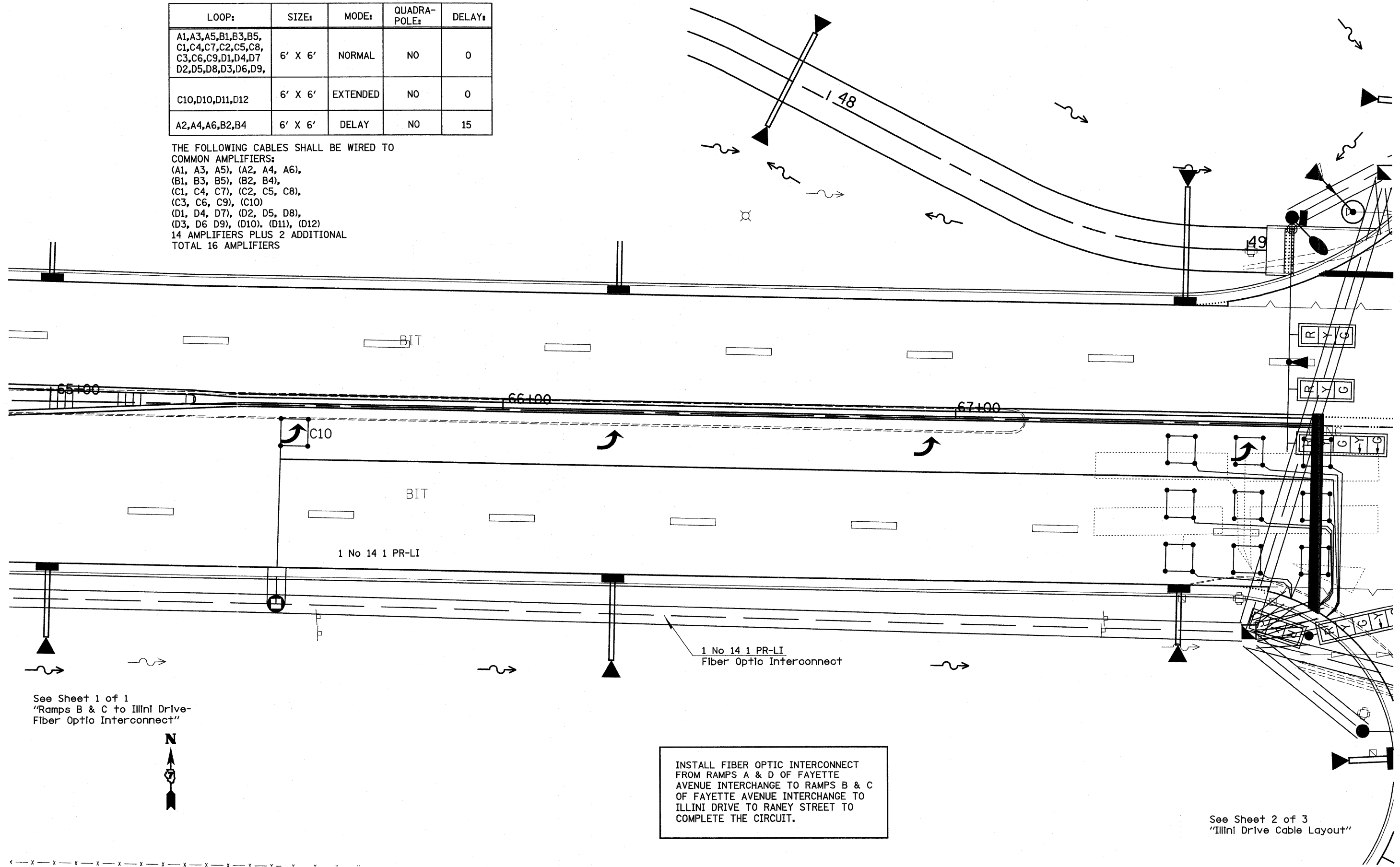
INSTALL FIBER OPTIC INTERCONNECT
FROM RAMPS A & D OF FAYETTE
AVENUE INTERCHANGE TO RAMPS B & C
OF FAYETTE AVENUE INTERCHANGE
(RAMPS A & D TO RANEY STREET
WILL COMPLETE THE CIRCUIT)



FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINI DRIVE SIGNAL LAYOUT	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = 200.0000' / IN.	DRAWN -	REVISED -			70	(25-31)-6 & (25-38)-21B	EFFINGHAM	839	255	
	PLOT DATE = 6/24/2010	CHECKED -	REVISED -			CONTRACT NO. 74293					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. 3 OF 3 SHEETS		STA.	TO STA.		

LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
A1,A3,A5,B1,B3,B5, C1,C4,C7,C2,C5,C8, C3,C6,C9,D1,D4,D7 D2,D5,D8,D3,D6,D9,	6' X 6'	NORMAL	NO	0
C10,D10,D11,D12	6' X 6'	EXTENDED	NO	0
A2,A4,A6,B2,B4	6' X 6'	DELAY	NO	15

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON AMPLIFIERS:
 (A1, A3, A5), (A2, A4, A6),
 (B1, B3, B5), (B2, B4),
 (C1, C4, C7), (C2, C5, C8),
 (C3, C6, C9), (C10)
 (D1, D4, D7), (D2, D5, D8),
 (D3, D6, D9), (D10), (D11), (D12)
 14 AMPLIFIERS PLUS 2 ADDITIONAL
 TOTAL 16 AMPLIFIERS

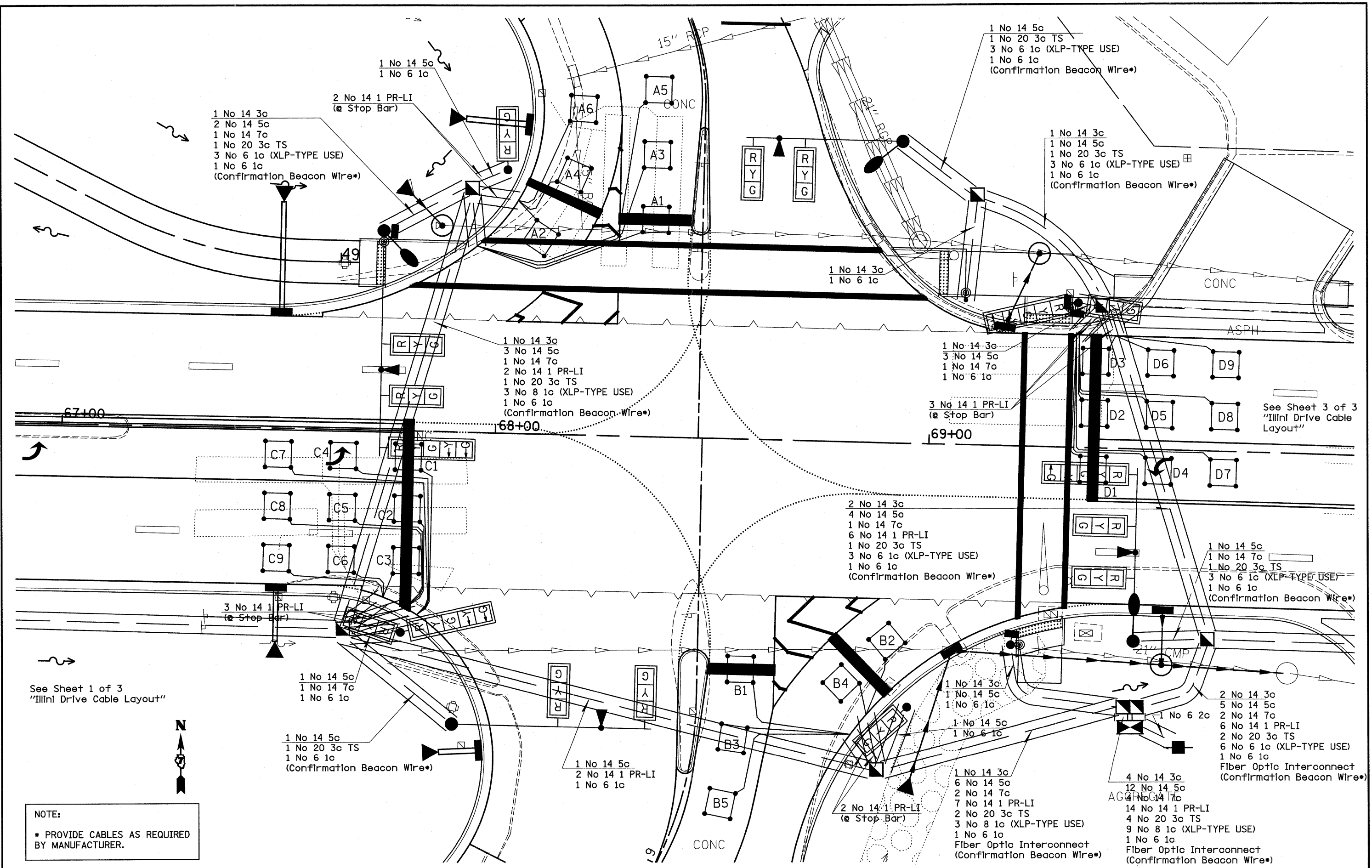


See Sheet 1 of 1
 "Ramps B & C to Illini Drive-
 Fiber Optic Interconnect"



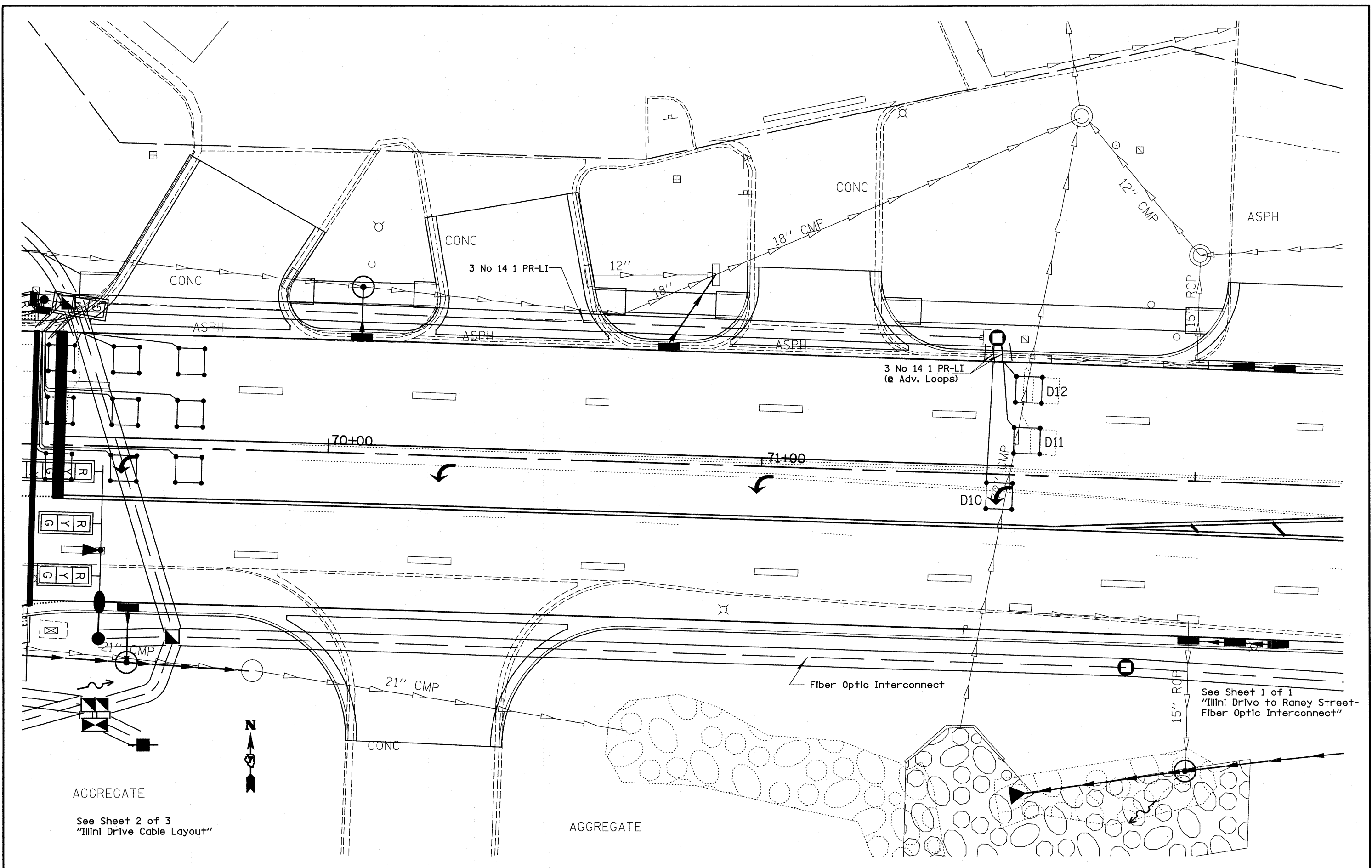
INSTALL FIBER OPTIC INTERCONNECT
 FROM RAMPS A & D OF FAYETTE
 AVENUE INTERCHANGE TO RAMPS B & C
 OF FAYETTE AVENUE INTERCHANGE TO
 ILLINI DRIVE TO RANEY STREET TO
 COMPLETE THE CIRCUIT.

See Sheet 2 of 3
 "Illini Drive Cable Layout"



NOTE:
 * PROVIDE CABLES AS REQUIRED BY MANUFACTURER.

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS DRIVE CABLE LAYOUT		F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		70	(25-3)I-6 & (25-3)B-2)B	EFFINGHAM	839	257			
		PLOT SCALE = 200.0000' / IN.	REVISD -		SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.		CONTRACT NO. 74293					
		PLOT DATE = 6/24/2010	REVISD -		ILLINOIS FED. AID PROJECT							
			REVISD -									
			REVISD -									



AGGREGATE
See Sheet 2 of 3
"Illini Drive Cable Layout"

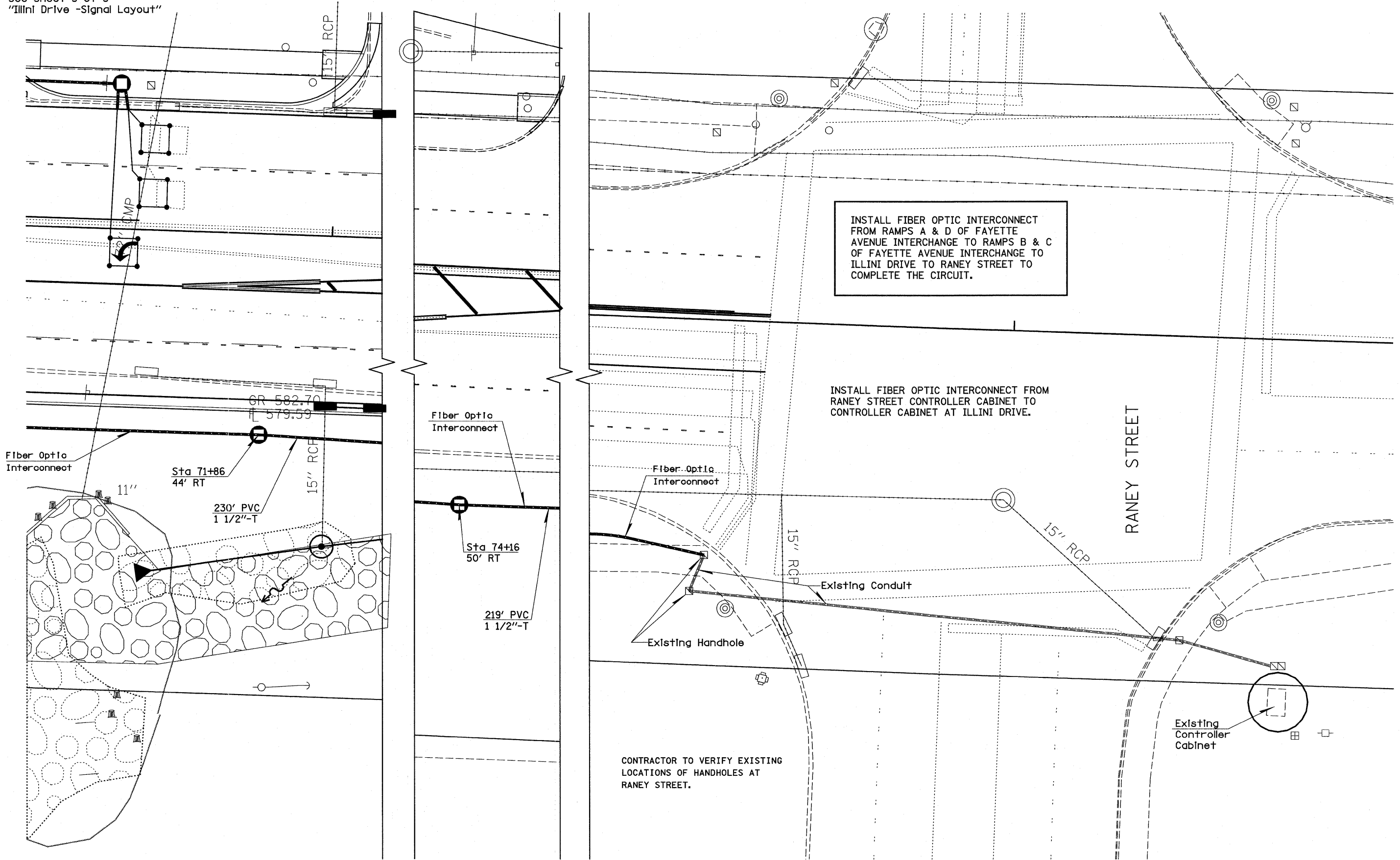


AGGREGATE

See Sheet 1 of 1
"Illini Drive to Raney Street-
Fiber Optic Interconnect"

FILE NAME = #FILE#	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINI DRIVE CABLE LAYOUT	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000' / IN.	DRAWN -	REVISED -			70	(25-31)-6 & (25-31B-2)B	EFFINGHAM	839	258
	PLOT DATE = 6/24/2010	CHECKED -	REVISED -			CONTRACT NO. 74293				
				DATE -	REVISED -	SCALE:	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	
ILLINOIS FED. AID PROJECT										

See Sheet 3 of 3
 "Illini Drive -Signal Layout"



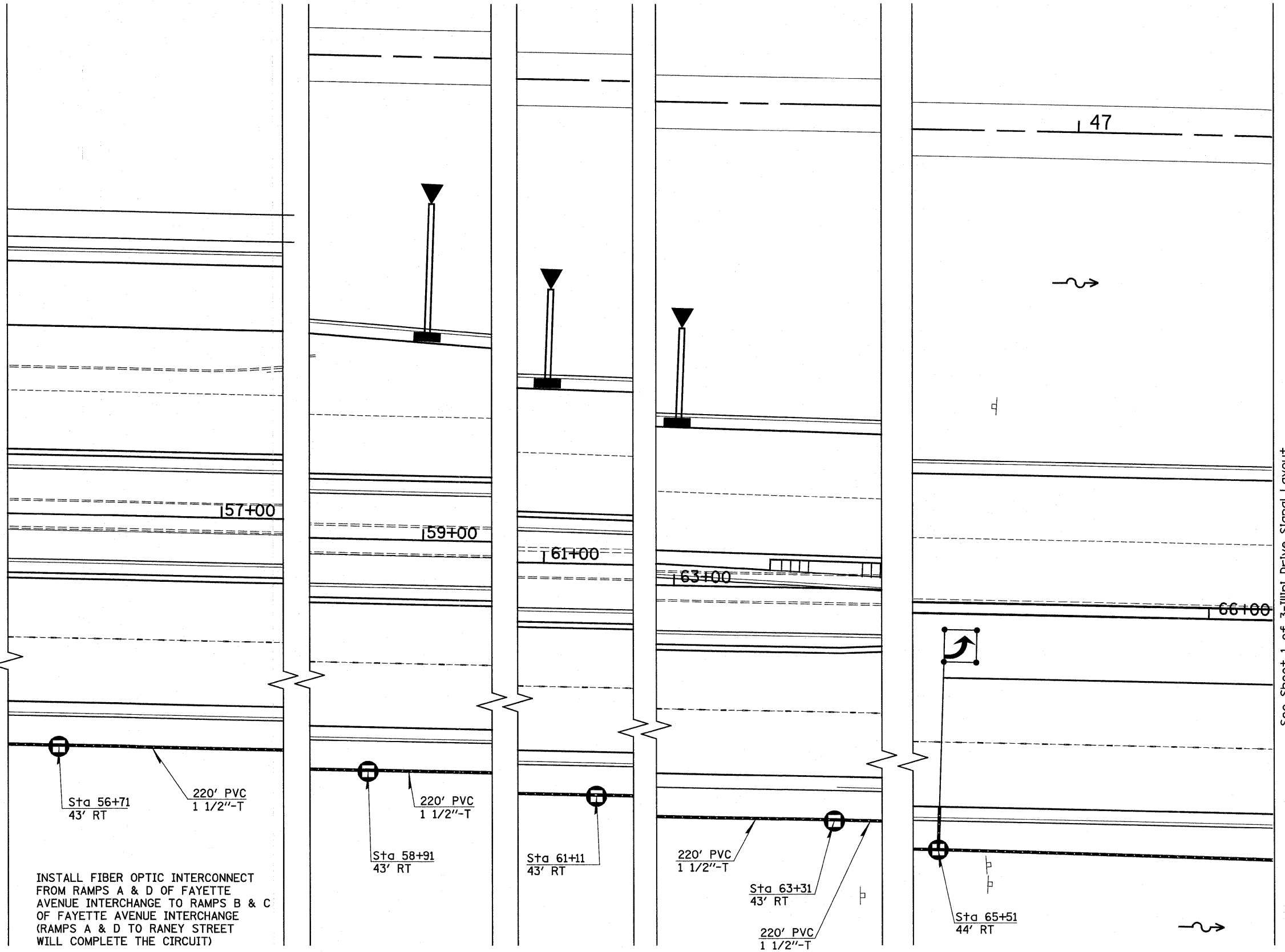
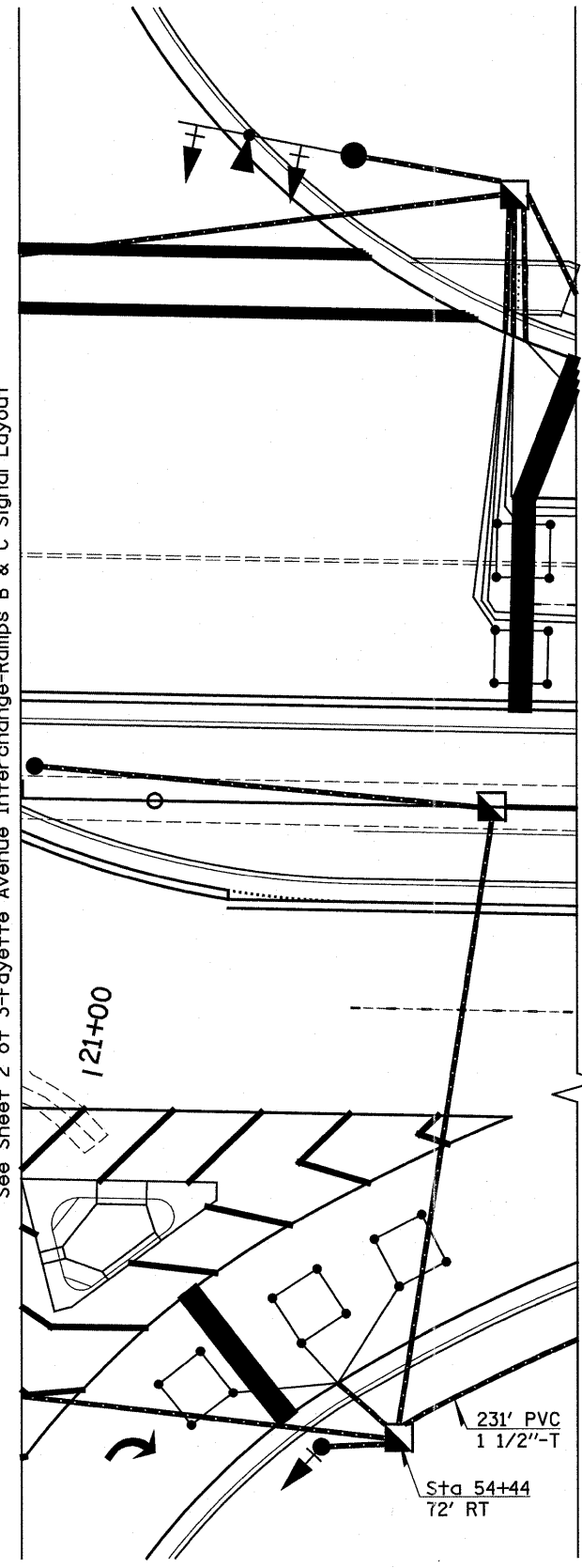
INSTALL FIBER OPTIC INTERCONNECT FROM RAMPS A & D OF FAYETTE AVENUE INTERCHANGE TO RAMPS B & C OF FAYETTE AVENUE INTERCHANGE TO ILLINI DRIVE TO RANEY STREET TO COMPLETE THE CIRCUIT.

INSTALL FIBER OPTIC INTERCONNECT FROM RANEY STREET CONTROLLER CABINET TO CONTROLLER CABINET AT ILLINI DRIVE.

CONTRACTOR TO VERIFY EXISTING LOCATIONS OF HANDHOLES AT RANEY STREET.

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINI DRIVE TO RANEY STREET FIBER OPTICS INTERCONNECT	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#		DRAWN -	REVISED -			70	(25-311-6 & (25-311-2)B	EFFINGHAM	839	259	
		CHECKED -	REVISED -			CONTRACT NO. 74293					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.				

See Sheet 2 of 3-Fayette Avenue Interchange-Ramps B & C Signal Layout



INSTALL FIBER OPTIC INTERCONNECT FROM RAMPS A & D OF FAYETTE AVENUE INTERCHANGE TO RAMPS B & C OF FAYETTE AVENUE INTERCHANGE (RAMPS A & D TO RANEY STREET WILL COMPLETE THE CIRCUIT)

See Sheet 1 of 3-Illini Drive Signal Layout

FILE NAME = #FILE#	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RAMPS B & C TO ILLINI DRIVE FIBER OPTICS INTERCONNECT			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000' / IN.	DRAWN -	REVISED -					70	(25-3)I-6 & (25-3)B-2)B	EFFINGHAM	839	260
	PLOT DATE = 6/24/2010	CHECKED -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	CONTRACT NO. 74293			
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT			



SOIL BORING LOG

Date 5/5/10

ROUTE FAI 57/70 DESCRIPTION West Fayette Ave and I-57/70 Interchange Ramp Traffic Signals LOGGED BY E. Sandschafer
SECTION * LOCATION NW 1/4, SEC. 30, TWP. 8 N, RNG. 6 E, 3 PM
COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

Table with columns for Depth (ft), Blows (6"/6"), UCS (%), and Soil Description. Includes data for topsoil, clay loam, and till layers.

Latitude N 88 deg 34.210 min, Longitude W 88 deg 07.222 min, Map Datum WGS 84

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)



SOIL BORING LOG

Date 5/4/10

ROUTE FAI 57/70 DESCRIPTION West Fayette Ave and I-57/70 Interchange Ramp Traffic Signals LOGGED BY E. Sandschafer
SECTION * LOCATION SW 1/4, SEC. 19, TWP. 8 N, RNG. 6 E, 3 PM
COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

Table with columns for Depth (ft), Blows (6"/6"), UCS (%), and Soil Description. Includes data for topsoil, sandy loam, and clay loam layers.

Latitude N 88 deg 34.194 min, Longitude W 88 deg 07.245 min, Map Datum WGS 84

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)

Form containing project details: FILE NAME, USER NAME, DESIGNED, REVISED, DRAWN, CHECKED, DATE, SCALE, SHEET NO. 1 OF 2 SHEETS, STA. TO STA., CONTRACT NO. 74293, and ILLINOIS FED. AID PROJECT.

LIGHTING SCHEDULE

PAY ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY
	ELECTRIC SERVICE INSTALLATION	EACH	1
	CONDUIT, AUGERED 2" DIA., PVC	FOOT	373
	CONDUIT, AUGERED 3" DIA., PVC	FOOT	136
	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	30
	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	270
	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	3
	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 6"	EACH	1
	UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	2,514
	UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	5,441
	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	289
	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	578
	TRENCH & BACKFILL FOR ELECTRICAL WORK	FOOT	6,465
	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	26
	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	9
	LIGHTING CONTROLLER, BASE MOUNTED, 480V, 200A	EACH	1
	LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT. DAVIT ARM	EACH	26
	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 8"	EACH	25
	BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	100
	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	22
	REMOVE POLE FOUNDATION	EACH	22
	REMOVAL OF LIGHTING CONTROLLER	EACH	1
	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
	TEMPORARY LIGHTING SYSTEM	L SUM	1

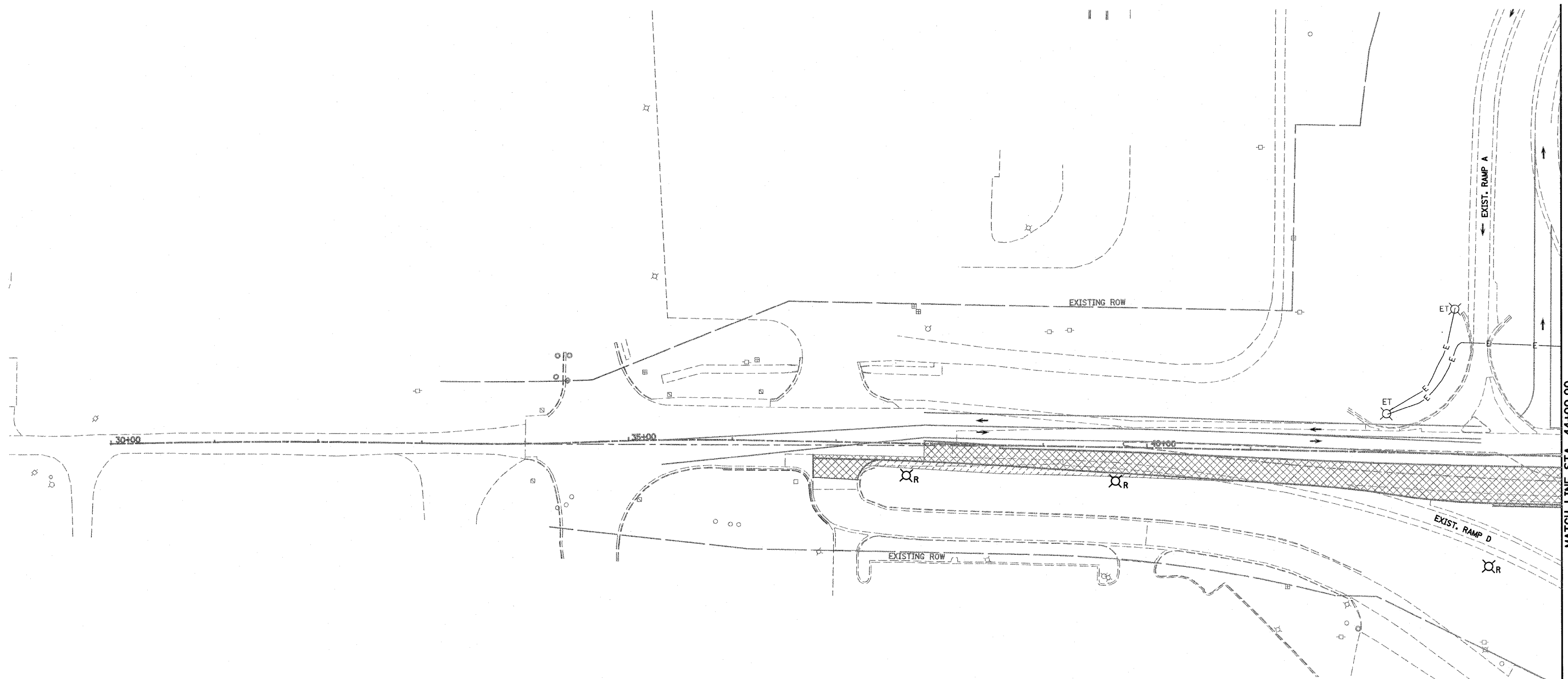
GENERAL NOTES

- ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.
- EXISTING LIGHT POLES AND FOUNDATIONS TO BE REMOVED, AND ALL ASSOCIATED HARDWARE AND APPURTENANCES, SHALL NOT BE SALVAGED BUT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
- CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM OVERHEAD UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- 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.
- PROPOSED LIGHT POLES ALONG THE RAMPS TO BE INSTALLED AT A 20 FEET SETBACK FROM THE EDGE OF TRAVELED PAVEMENT OR 4 FEET BEHIND THE GUARDRAIL UNLESS NOTED OTHERWISE ON THE PLANS. PROPOSED LIGHT POLES ALONG FAYETTE AVE. TO BE INSTALLED AT 6 FEET SETBACK FROM THE EDGE OF PAVEMENT OR 3 FEET SETBACK FROM THE EDGE OF PROPOSED SIDEWALK UNLESS NOTED OTHERWISE ON THE PLANS. NO POLES SHALL BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.
- NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED FROM NIGHTTIME OPERATION WITHOUT APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE LIGHTING SYSTEM UNTIL IDOT HAS TAKEN ACCEPTANCE OF THE SYSTEM. ALL EXISTING CIRCUITS AND CABLES TO THE LIGHT POLES SHALL BE MAINTAINED AS NEEDED AND THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
- ALL RELOCATIONS AND ADJUSTMENTS TO EXISTING LIGHTING UNITS TO SERVE AS TEMPORARY LIGHTING DUE TO STAGING OR CONSTRUCTION SHALL BE MADE AT NO ADDITIONAL COST. ADDITIONAL AERIAL CABLE SPANS SHALL BE FURNISHED AND INSTALLED AS DIRECTED BY THE ENGINEER, AND THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
- BREAKAWAY DEVICES SHALL NOT BE INSTALLED FOR POLES LOCATED BEHIND THE GUARDRAIL OR MOUNTED ON BRIDGE PARAPET WALLS.

LIGHTING INDEX










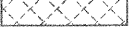

- 263 GENERAL NOTES, SCHEDULES AND INDEX OF SHEETS
- 264-268 EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING STAGE 1
- 269-273 EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING STAGE 2
- 274-278 PROPOSED LIGHTING
- 279-286 LIGHTING DETAILS

FILE NAME = S:\Projects\MS-8072-57-70\Lighting\Lighting_schedule.dwg	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, SCHEDULES, AND INDEX OF SHEETS	F.A.I. RTE. 57/70	SECTION (25-3)I-6	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 263	
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	SCALE: 1"=50'			SHEET NO. 1 OF 24 SHEETS	STA. 2005+92.13 TO STA. 2009+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 74293	
PLOT DATE = 6/23/2010	DATE -	REVISED -									



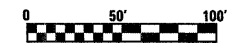
MATCH LINE STA. 44+00.00

LEGEND

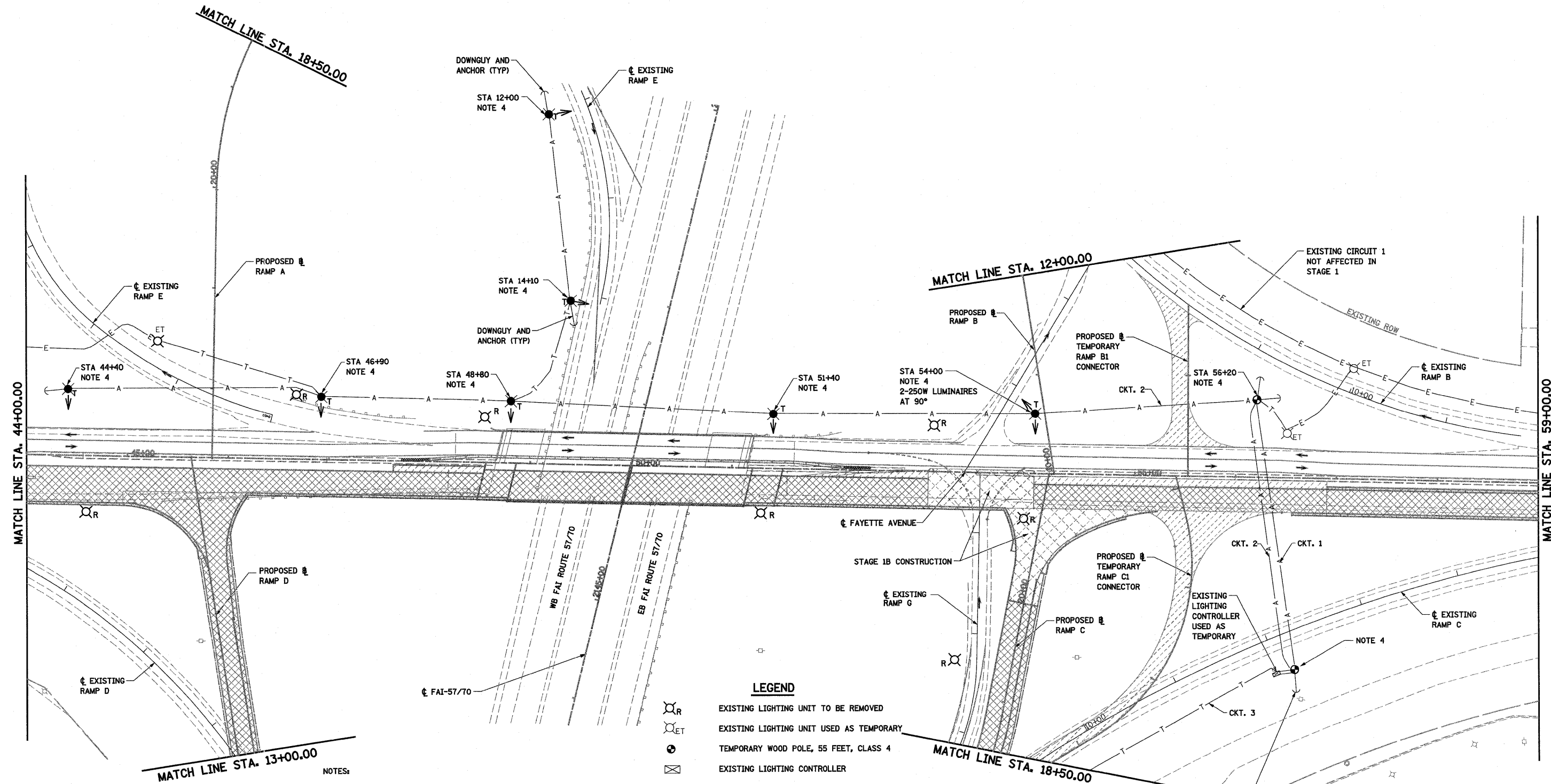
-  EXISTING LIGHTING UNIT TO BE REMOVED
-  EXISTING LIGHTING UNIT USED AS TEMPORARY
-  TEMPORARY WOOD POLE, 55 FEET, CLASS 4
-  EXISTING LIGHTING CONTROLLER
-  TEMPORARY WOOD POLE, 55 FEET, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FEET MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
-  EXISTING UNIT DUCT OR CABLE IN CONDUIT
-  AERIAL CABLE, 2-1/2" NO 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE
-  TEMPORARY UNIT DUCT, 2-1/2" NO. 6, 1/2" NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE
-  WORK AREA THIS STAGE
-  STAGE 1B CONSTRUCTION
-  TEMPORARY PCC PAVEMENT

NOTES:

1. THE LOCATIONS OF EXISTING UNIT DUCT AS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN THE FIELD PRIOR TO CONSTRUCTION.
2. ALL EXISTING CABLE IS TO BE ABANDONED WHEN NO LONGER REQUIRED FOR LIGHTING.
3. TEMPORARY LIGHTING SHOWN IN STAGE 1 IS TO BE CONSTRUCTED IN PRE-STAGE 1 AND ILLUMINATED IN STAGE 1.
4. TEMPORARY WOOD POLES TO BE INSTALLED OUTSIDE THE CLEAR ZONE AT A 30 FT SETBACK MINIMUM FROM EXISTING, TEMPORARY OR PROPOSED ROADWAY EDGE OF PAVEMENT OR 4 FT BEHIND THE GUARDRAIL OR BARRIER UNLESS NOTED OTHERWISE.
5. TEMPORARY WOOD POLES SHALL BE TALLER THAN 55 FEET AS NEEDED TO MAINTAIN REQUIRED GROUND CLEARANCE OF AERIAL CABLES AND 45 FEET LUMINAIRE MOUNTING HEIGHT.

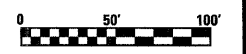


FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING FAYETTE AVENUE, STAGE 1	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Projects\403-00072-57-70\dgn\FayetteLighting.rvt		DRAWN -	REVISED -			57/70	(23-3)I-6	EFFINGHAM	839	264	
PLOT SCALE = 1/8"=50' / IN.		CHECKED -	REVISED -			CONTRACT NO. 74293					
PLOT DATE = 6/23/2018		DATE -	REVISED -			SCALE: 1"=50'		SHEET NO. 2 OF 24 SHEETS		STA. 30+00.00 TO STA. 44+00.00	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT											



- NOTES:
1. THE LOCATIONS OF EXISTING UNIT DUCT AS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN THE FIELD PRIOR TO CONSTRUCTION.
 2. ALL EXISTING CABLE IS TO BE ABANDONED WHEN NO LONGER REQUIRED FOR LIGHTING.
 3. TEMPORARY LIGHTING SHOWN IN STAGE 1 IS TO BE CONSTRUCTED IN PRE-STAGE 1 AND ILLUMINATED IN STAGE 1.
 4. TEMPORARY WOOD POLES TO BE INSTALLED OUTSIDE THE CLEAR ZONE AT A 30 FT SETBACK MINIMUM FROM EXISTING, TEMPORARY OR PROPOSED ROADWAY EDGE OF PAVEMENT OR 4 FT BEHIND THE GUARDRAIL OR BARRIER UNLESS NOTED OTHERWISE.
 5. TEMPORARY WOOD POLES SHALL BE TALLER THAN 55 FEET AS NEEDED TO MAINTAIN REQUIRED GROUND CLEARANCE OF AERIAL CABLES AND 45 FEET LUMINAIRE MOUNTING HEIGHT.

- LEGEND**
- EXISTING LIGHTING UNIT TO BE REMOVED
 - EXISTING LIGHTING UNIT USED AS TEMPORARY
 - TEMPORARY WOOD POLE, 55 FEET, CLASS 4
 - EXISTING LIGHTING CONTROLLER
 - TEMPORARY WOOD POLE, 55 FEET, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FEET MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
 - EXISTING UNIT DUCT OR CABLE IN CONDUIT
 - AERIAL CABLE, 2-1/2" NO 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE
 - TEMPORARY UNIT DUCT, 2-1" NO. 6, 1/2" NO. 8 GROUND, OXLP-TYPE USED, 1" DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE
 - WORK AREA THIS STAGE
 - STAGE 1B CONSTRUCTION
 - TEMPORARY PCC PAVEMENT



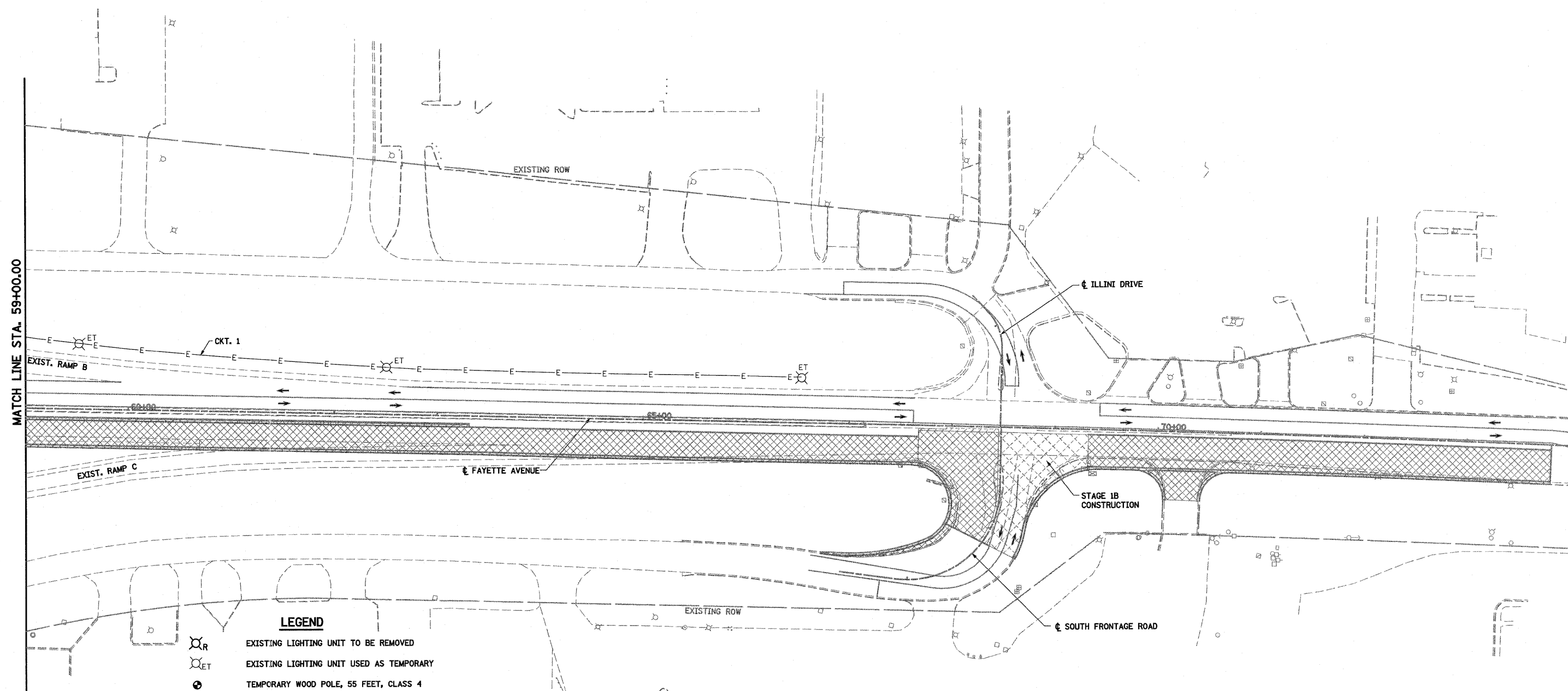
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PLOT SCALE = 1/80,000" / IN.		CHECKED -	REVISED -
PLOT DATE = 6/23/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING
FAYETTE AVENUE, STAGE 1**










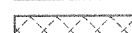
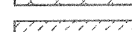
SCALE: 1"=50' SHEET NO. 3 OF 24 SHEETS STA. 44+00.00 TO STA. 59+00.00

F.A.I. RTE. 57/70	SECTION (25-3)I-6	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 265
CONTRACT NO. 74293				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



MATCH LINE STA. 59+00.00

LEGEND

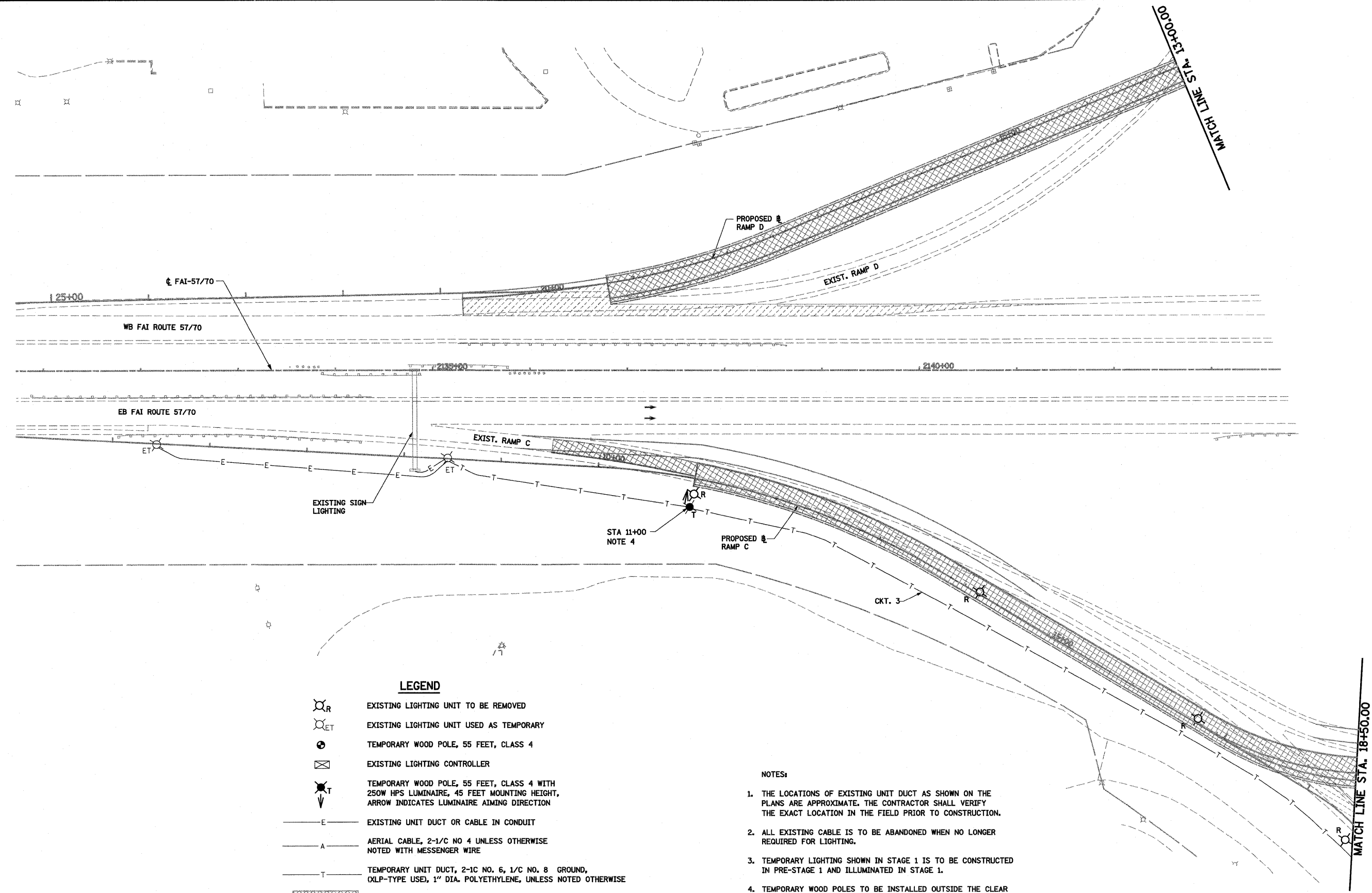
-  EXISTING LIGHTING UNIT TO BE REMOVED
-  EXISTING LIGHTING UNIT USED AS TEMPORARY
-  TEMPORARY WOOD POLE, 55 FEET, CLASS 4
-  EXISTING LIGHTING CONTROLLER
-  TEMPORARY WOOD POLE, 55 FEET, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FEET MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
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-  AERIAL CABLE, 2-1/2" NO 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE
-  TEMPORARY UNIT DUCT, 2-1/2" NO. 6, 1/2" NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE
-  WORK AREA THIS STAGE
-  STAGE 1B CONSTRUCTION
-  TEMPORARY PCC PAVEMENT

NOTES:












1. THE LOCATIONS OF EXISTING UNIT DUCT AS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN THE FIELD PRIOR TO CONSTRUCTION.
2. ALL EXISTING CABLE IS TO BE ABANDONED WHEN NO LONGER REQUIRED FOR LIGHTING.
3. TEMPORARY LIGHTING SHOWN IN STAGE 1 IS TO BE CONSTRUCTED IN PRE-STAGE 1 AND ILLUMINATED IN STAGE 1.
4. TEMPORARY WOOD POLES TO BE INSTALLED OUTSIDE THE CLEAR ZONE AT A 30 FT SETBACK MINIMUM FROM EXISTING, TEMPORARY OR PROPOSED ROADWAY EDGE OF PAVEMENT OR 4 FT BEHIND THE GUARDRAIL OR BARRIER UNLESS NOTED OTHERWISE.
5. TEMPORARY WOOD POLES SHALL BE TALLER THAN 55 FEET AS NEEDED TO MAINTAIN REQUIRED GROUND CLEARANCE OF AERIAL CABLES AND 45 FEET LUMINAIRE MOUNTING HEIGHT.



FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING FAYETTE AVENUE, STAGE 1	F.A.I. RTE. 57/70	SECTION (25-3)1-6	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 266	
S:\Projects\403-00072-51-70\dgn\FayetteLighting_removal_Stage1.dgn						SCALE: 1"=50'	SHEET NO. 4 OF 24 SHEETS	STA. 59+00.00 TO STA. 74+00.00	CONTRACT NO. 74293		
PLOT SCALE = 1/8"=1'-0" / IN.							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT DATE = 6/23/2010											

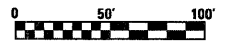


LEGEND

-  EXISTING LIGHTING UNIT TO BE REMOVED
-  EXISTING LIGHTING UNIT USED AS TEMPORARY
-  TEMPORARY WOOD POLE, 55 FEET, CLASS 4
-  EXISTING LIGHTING CONTROLLER
-  TEMPORARY WOOD POLE, 55 FEET, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FEET MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
-  EXISTING UNIT DUCT OR CABLE IN CONDUIT
-  AERIAL CABLE, 2-1/2 NO 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE
-  TEMPORARY UNIT DUCT, 2-1/2 NO. 6, 1/2 NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE
-  WORK AREA THIS STAGE
-  STAGE 1B CONSTRUCTION
-  TEMPORARY PCC PAVEMENT

NOTES:

1. THE LOCATIONS OF EXISTING UNIT DUCT AS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN THE FIELD PRIOR TO CONSTRUCTION.
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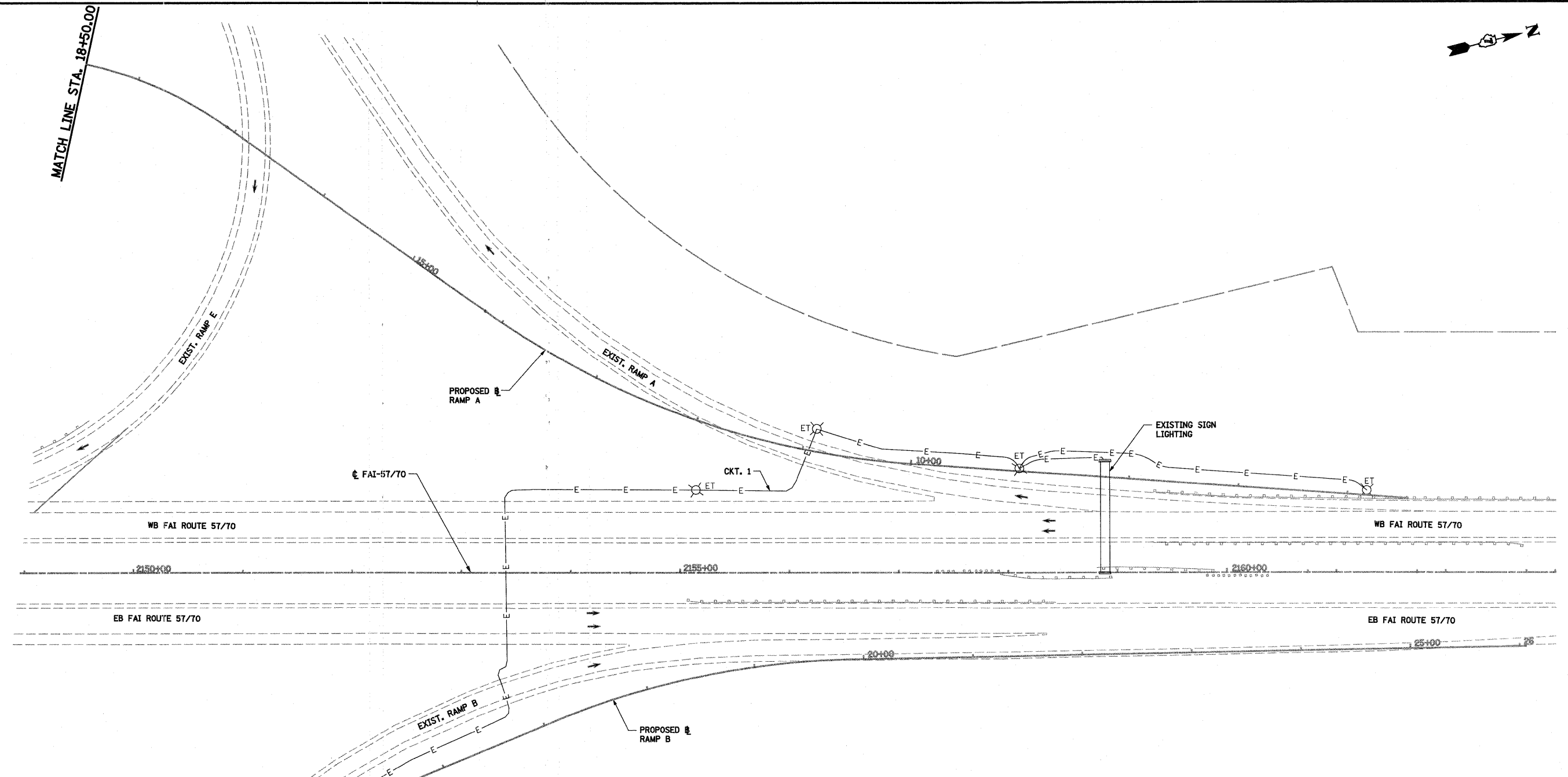


FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING FAYETTE AVENUE RAMPS STAGE 1	F.A.I. RTE. 57/70	SECTION (23-3)I-6	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 267	
PLOT SCALE = 1/8" = 100' / IN.	DRAWN -	REVISÉ -	SCALE: 1"=50'			SHEET NO. 5 OF 24 SHEETS	STA. 2125+00.00 TO STA. 2140+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 74293	
PLOT DATE = 6/23/2010	CHECKED -	REVISÉ -									
	DATE -	REVISÉ -									



MATCH LINE STA. 18+50.00

MATCH LINE STA. 19+00.00

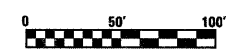


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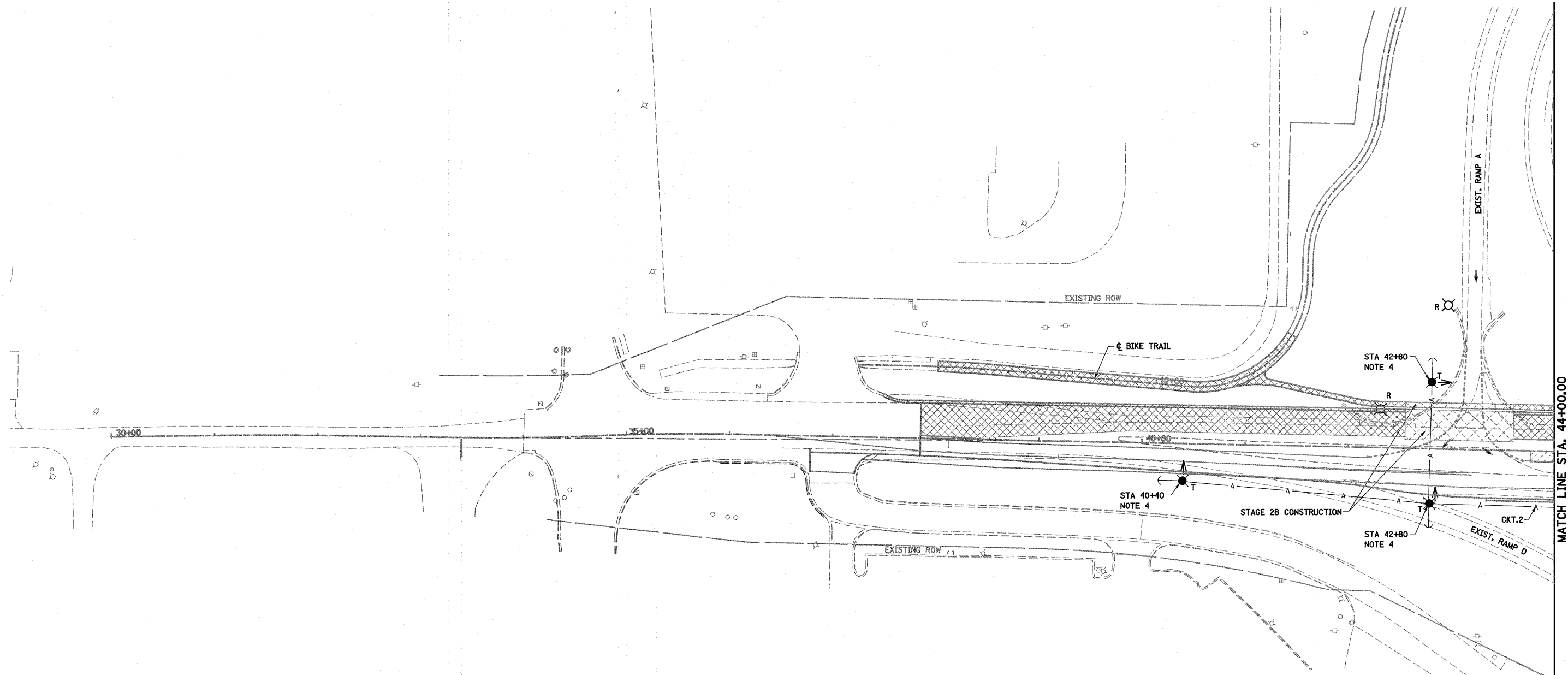
- EXISTING LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING UNIT USED AS TEMPORARY
- TEMPORARY WOOD POLE, 55 FEET, CLASS 4
- EXISTING LIGHTING CONTROLLER
- TEMPORARY WOOD POLE, 55 FEET, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FEET MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
- EXISTING UNIT DUCT OR CABLE IN CONDUIT
- AERIAL CABLE, 2-1/2" NO. 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE
- TEMPORARY UNIT DUCT, 2-1/2" NO. 6, 1/2" NO. 8 GROUND, OXP-TYPE USE, 1" DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE
- WORK AREA THIS STAGE
- STAGE 1B CONSTRUCTION
- TEMPORARY PCC PAVEMENT

NOTES:











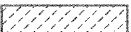
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2. ALL EXISTING CABLE IS TO BE ABANDONED WHEN NO LONGER REQUIRED FOR LIGHTING.
3. TEMPORARY LIGHTING SHOWN IN STAGE 1 IS TO BE CONSTRUCTED IN PRE-STAGE 1 AND ILLUMINATED IN STAGE 1.
4. TEMPORARY WOOD POLES TO BE INSTALLED OUTSIDE THE CLEAR ZONE AT A 30 FT SETBACK MINIMUM FROM EXISTING, TEMPORARY OR PROPOSED ROADWAY EDGE OF PAVEMENT OR 4 FT BEHIND THE GUARDRAIL OR BARRIER UNLESS NOTED OTHERWISE.
5. TEMPORARY WOOD POLES SHALL BE TALLER THAN 55 FEET AS NEEDED TO MAINTAIN REQUIRED GROUND CLEARANCE OF AERIAL CABLES AND 45 FEET LUMINAIRE MOUNTING HEIGHT.



FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING FAYETTE AVENUE RAMPS STAGE 1	DRAWN -	REVISED -	F.A.I. RTE. 57/70	SECTION (23-3)I-6	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 268	
S:\Projects\403-00072-57-70\dgn\FayetteLighting.dgn		CHECKED -	REVISED -			SCALE: 1"=50'		SHEET NO. 6 OF 24 SHEETS		STA. 2155+00.00 TO STA. 2169+00.00		CONTRACT NO. 74293	
PLOT SCALE = 100.0000' / IN.		DATE -	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					
PLOT DATE = 6/23/2018													

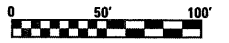


LEGEND

-  EXISTING LIGHTING UNIT TO BE REMOVED
-  EXISTING LIGHTING UNIT USED AS TEMPORARY
-  TEMPORARY WOOD POLE, 55 FEET, CLASS 4
-  EXISTING LIGHTING CONTROLLER
-  TEMPORARY WOOD POLE, 55 FEET, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FEET MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
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-  AERIAL CABLE, 2-1/2 NO 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE
-  TEMPORARY UNIT DUCT, 2-1/2 NO. 6, 1/2 NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE
-  WORK AREA THIS STAGE
-  STAGE 1B CONSTRUCTION
-  TEMPORARY PCC PAVEMENT

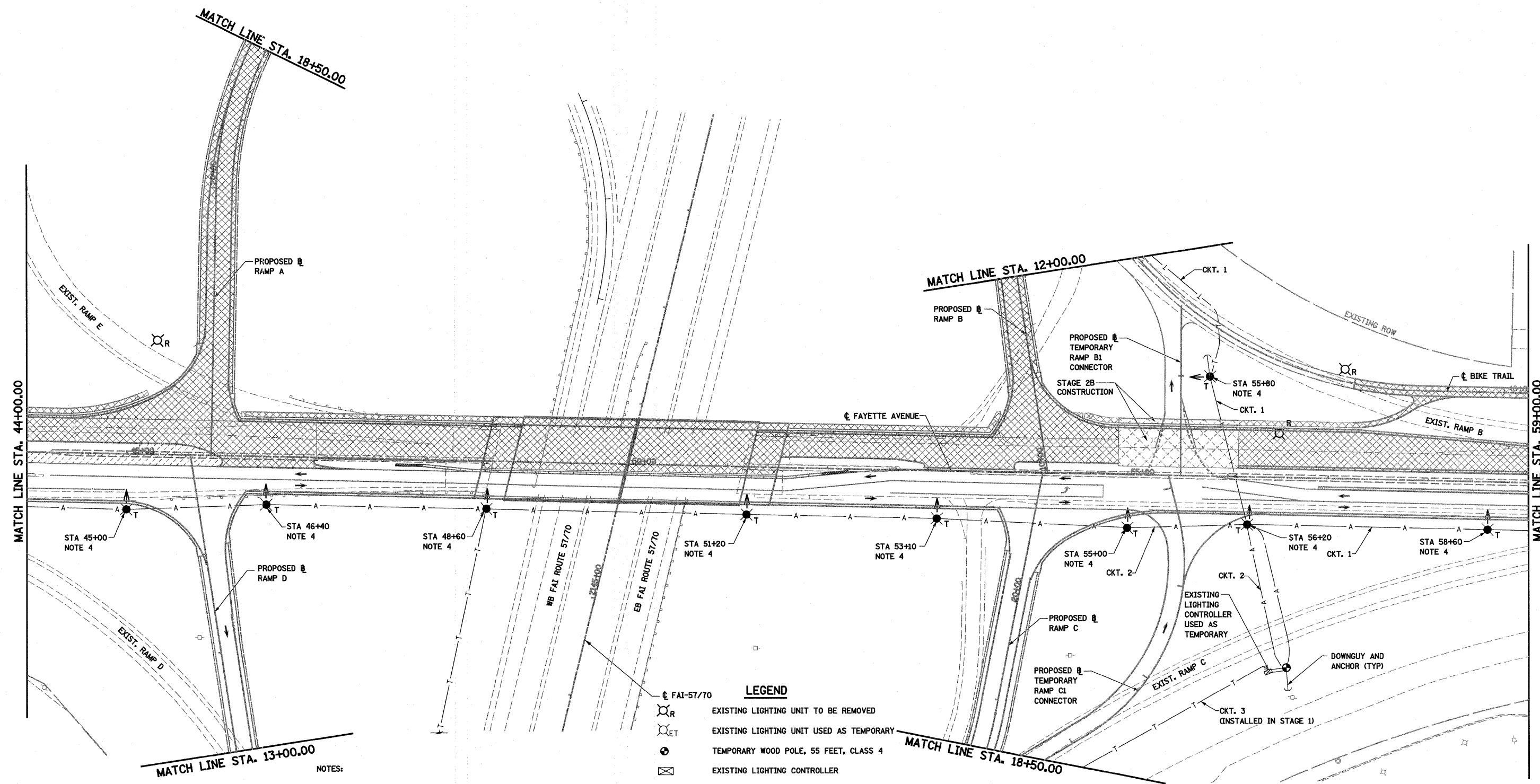
NOTES:

1. THE LOCATIONS OF EXISTING UNIT DUCT AS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN THE FIELD PRIOR TO CONSTRUCTION.
2. ALL EXISTING CABLE IS TO BE ABANDONED WHEN NO LONGER REQUIRED FOR LIGHTING.
3. TEMPORARY LIGHTING SHOWN IN STAGE 2 IS TO BE CONSTRUCTED IN STAGE 1 AND ILLUMINATED IN STAGE 2.
4. TEMPORARY WOOD POLES TO BE INSTALLED OUTSIDE THE CLEAR ZONE AT A 30 FT SETBACK MINIMUM FROM EXISTING, TEMPORARY OR PROPOSED ROADWAY EDGE OF PAVEMENT OR 4 FT BEHIND THE GUARDRAIL OR BARRIER UNLESS NOTED OTHERWISE.
5. TEMPORARY WOOD POLES SHALL BE TALLER THAN 55 FEET AS NEEDED TO MAINTAIN REQUIRED GROUND CLEARANCE OF AERIAL CABLES AND 45 FEET LUMINAIRE MOUNTING HEIGHT.



FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING FAYETTE AVENUE, STAGE 2	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Projects\403-00072-57-70\dgn\FayetteLighting_ran	ray_Stage2.dgn	DRAWN -	REVISED -			57/70	(23-3)1-6	EFFINGHAM	839	269	
PLOT SCALE = 1/8" = 50' / IN.		CHECKED -	REVISED -			CONTRACT NO. 74293					
PLOT DATE = 6/23/2010		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

SCALE: 1"=50' SHEET NO. 7 OF 24 SHEETS STA. 30+00.00 TO STA. 44+00.00



NOTES:

1. THE LOCATIONS OF EXISTING UNIT DUCT AS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN THE FIELD PRIOR TO CONSTRUCTION.
2. ALL EXISTING CABLE IS TO BE ABANDONED WHEN NO LONGER REQUIRED FOR LIGHTING.
3. TEMPORARY LIGHTING SHOWN IN STAGE 2 IS TO BE CONSTRUCTED IN STAGE 1 AND ILLUMINATED IN STAGE 2.
4. TEMPORARY WOOD POLES TO BE INSTALLED OUTSIDE THE CLEAR ZONE AT A 30 FT SETBACK MINIMUM FROM EXISTING, TEMPORARY OR PROPOSED ROADWAY EDGE OF PAVEMENT OR 4 FT BEHIND THE GUARDRAIL OR BARRIER UNLESS NOTED OTHERWISE.
5. TEMPORARY WOOD POLES SHALL BE TALLER THAN 55 FEET AS NEEDED TO MAINTAIN REQUIRED GROUND CLEARANCE OF AERIAL CABLES AND 45 FEET LUMINAIRE MOUNTING HEIGHT.

LEGEND

- EXISTING LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING UNIT USED AS TEMPORARY
- TEMPORARY WOOD POLE, 55 FEET, CLASS 4
- EXISTING LIGHTING CONTROLLER
- TEMPORARY WOOD POLE, 55 FEET, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FEET MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
- EXISTING UNIT DUCT OR CABLE IN CONDUIT
- AERIAL CABLE, 2-1/2" NO 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE
- TEMPORARY UNIT DUCT, 2-1/2" NO. 6, 1/2" NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE
- WORK AREA THIS STAGE
- STAGE 1B CONSTRUCTION
- TEMPORARY PCC PAVEMENT

FILE NAME =	USER NAME = poul
SA\Projects\403-00072-57-70\dgn\FayetteLighting_rampay_Stage2.dgn	
PLOT SCALE = 100.0000' / IN.	
PLOT DATE = 6/23/2010	

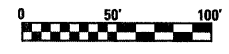
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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

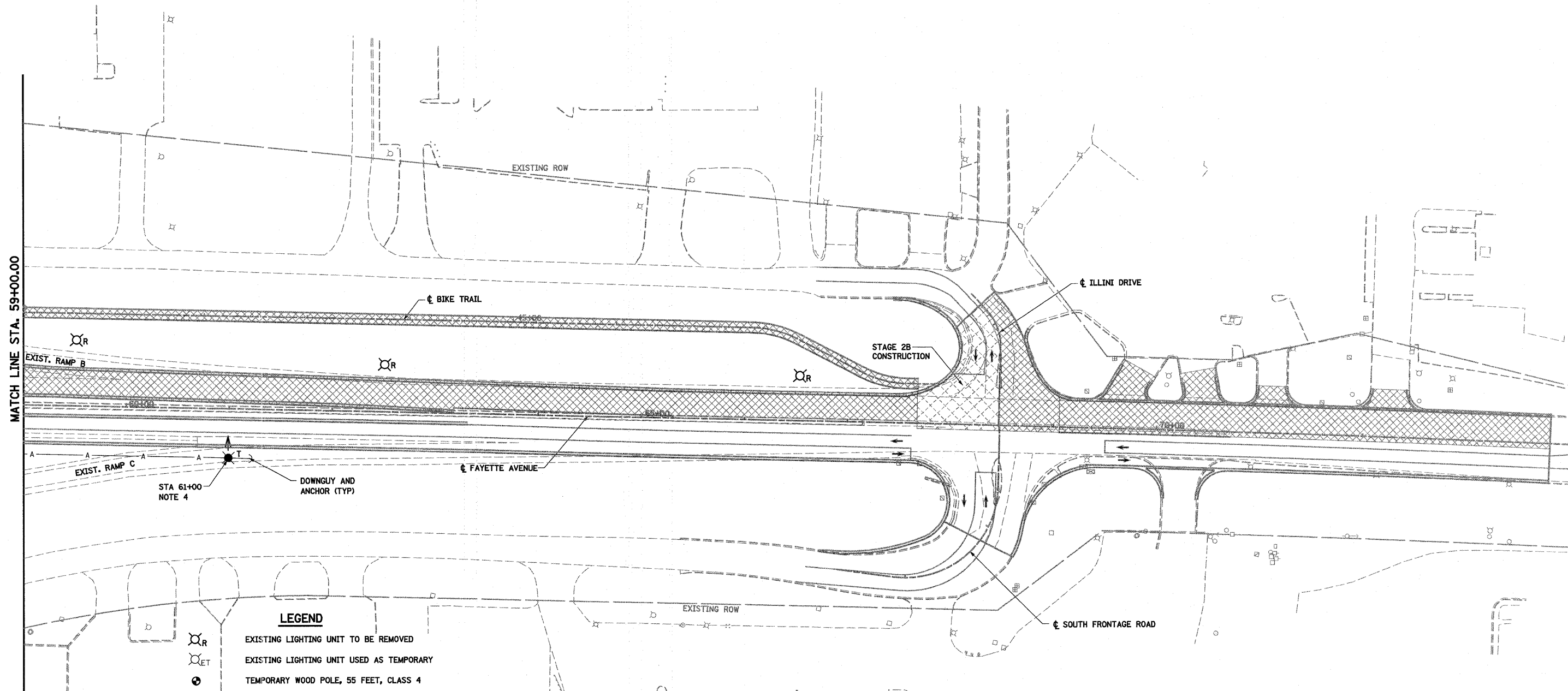
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING
FAYETTE AVENUE, STAGE 2**

SCALE: 1"=50' SHEET NO. 8 OF 24 SHEETS STA. 44+00.00 TO STA. 59+00.00

F.A.I. RTE. 57/70	SECTION (25-3)1-6	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 270
CONTRACT NO. 74293				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



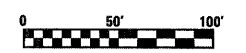


LEGEND

- EXISTING LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING UNIT USED AS TEMPORARY
- TEMPORARY WOOD POLE, 55 FEET, CLASS 4
- EXISTING LIGHTING CONTROLLER
- TEMPORARY WOOD POLE, 55 FEET, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FEET MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
- EXISTING UNIT DUCT OR CABLE IN CONDUIT
- AERIAL CABLE, 2-1/C NO 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE
- TEMPORARY UNIT DUCT, 2-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE
- WORK AREA THIS STAGE
- STAGE 1B CONSTRUCTION
- TEMPORARY PCC PAVEMENT

NOTES:

1. THE LOCATIONS OF EXISTING UNIT DUCT AS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN THE FIELD PRIOR TO CONSTRUCTION.
2. ALL EXISTING CABLE IS TO BE ABANDONED WHEN NO LONGER REQUIRED FOR LIGHTING.
3. TEMPORARY LIGHTING SHOWN IN STAGE 2 IS TO BE CONSTRUCTED IN STAGE 1 AND ILLUMINATED IN STAGE 2.
4. TEMPORARY WOOD POLES TO BE INSTALLED OUTSIDE THE CLEAR ZONE AT A 30 FT SETBACK MINIMUM FROM EXISTING, TEMPORARY OR PROPOSED ROADWAY EDGE OF PAVEMENT OR 4 FT BEHIND THE GUARDRAIL OR BARRIER UNLESS NOTED OTHERWISE.
5. TEMPORARY WOOD POLES SHALL BE TALLER THAN 55 FEET AS NEEDED TO MAINTAIN REQUIRED GROUND CLEARANCE OF AERIAL CABLES AND 45 FEET LUMINAIRE MOUNTING HEIGHT.



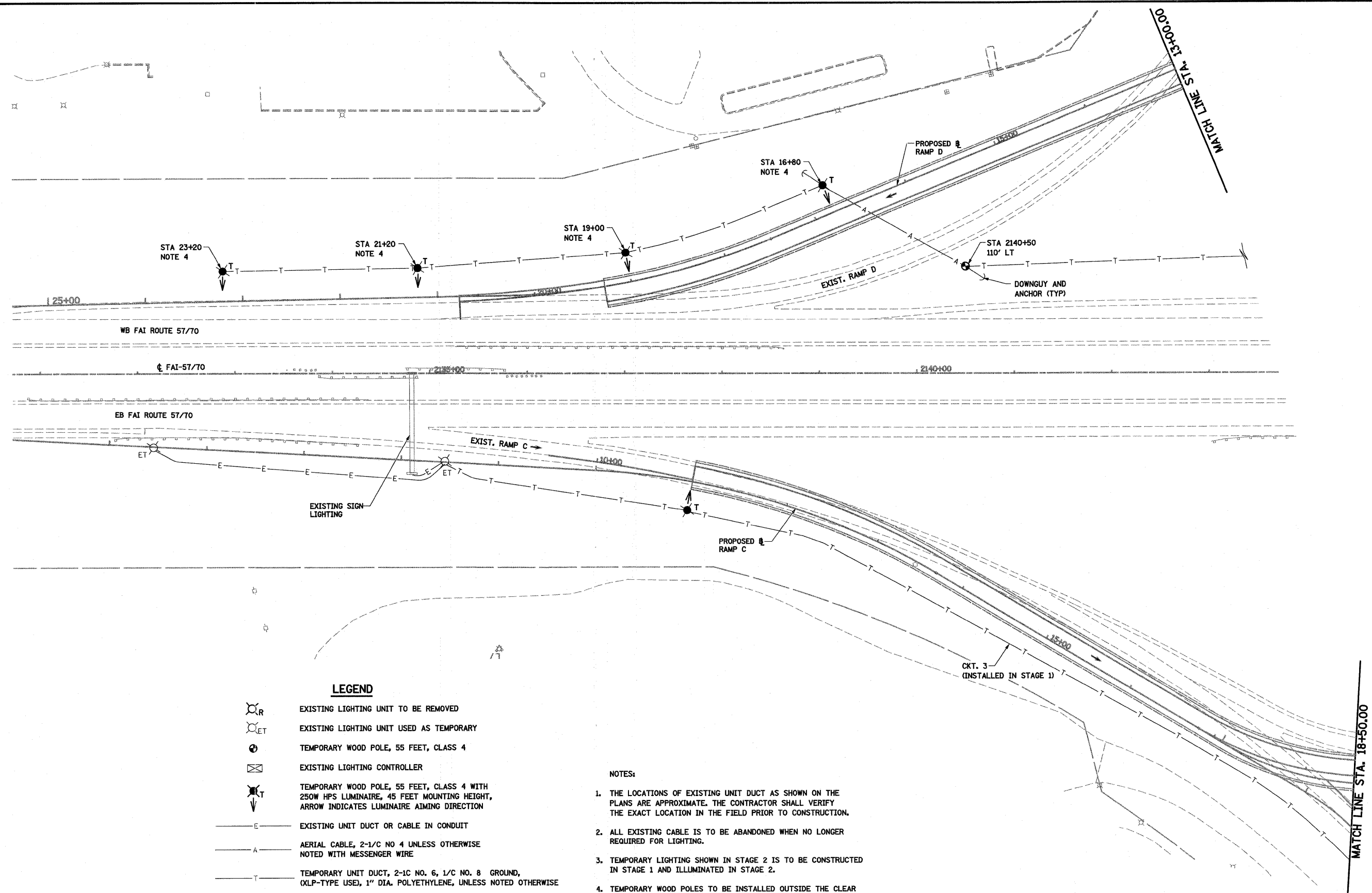
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SA\Projects\403-00072-01-70\dm\fyette\lighting.dgn	fy.Stage2.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 6/23/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**











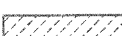
**EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING
FAYETTE AVENUE, STAGE 2**

SCALE: 1"=50' SHEET NO. 9 OF 24 SHEETS STA. 59+00.00 TO STA. 74+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-3)-6	EFFINGHAM	839	271
CONTRACT NO. 74293				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

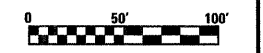


LEGEND

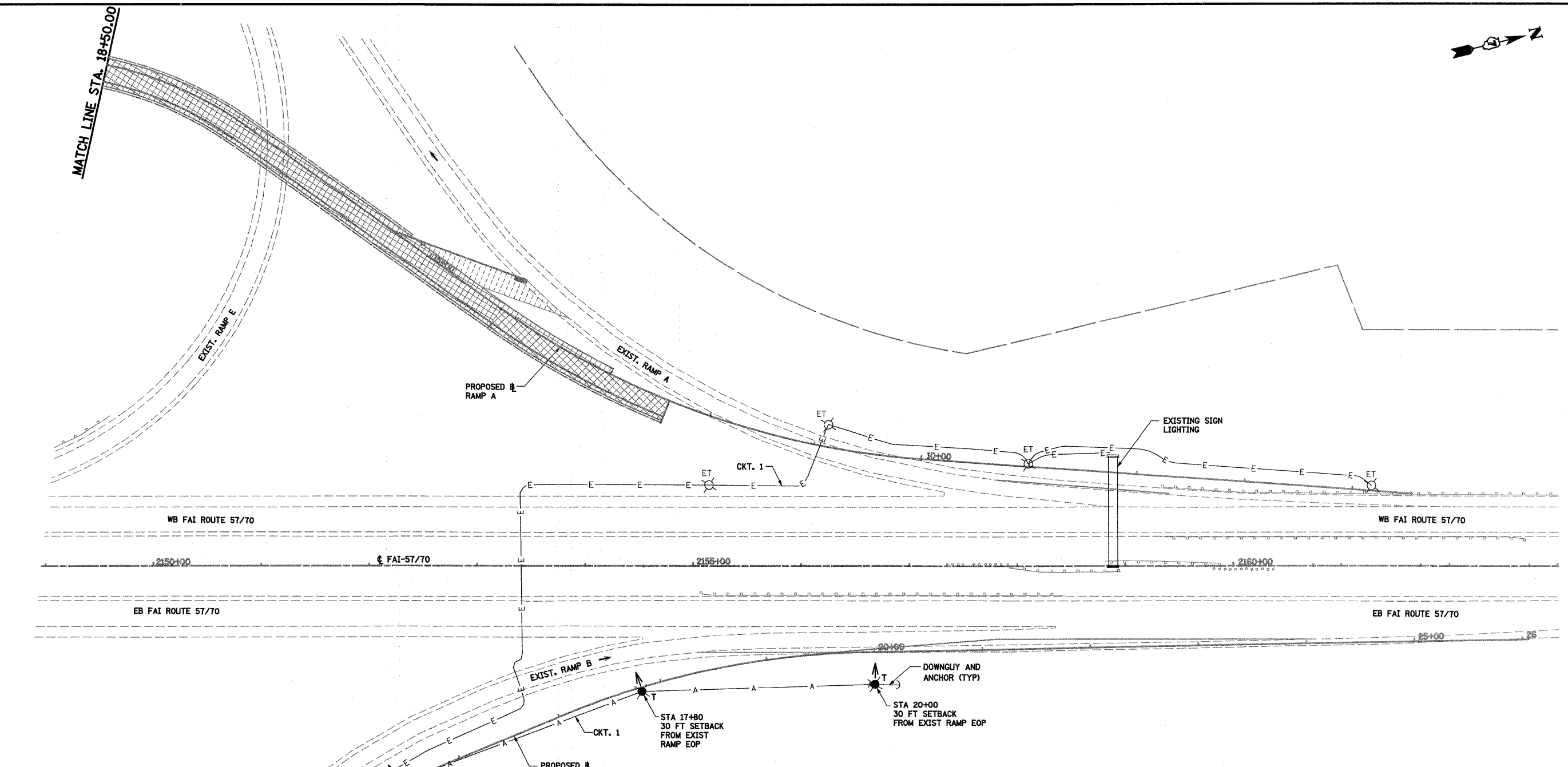
-  EXISTING LIGHTING UNIT TO BE REMOVED
-  EXISTING LIGHTING UNIT USED AS TEMPORARY
-  TEMPORARY WOOD POLE, 55 FEET, CLASS 4
-  EXISTING LIGHTING CONTROLLER
-  TEMPORARY WOOD POLE, 55 FEET, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FEET MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
-  EXISTING UNIT DUCT OR CABLE IN CONDUIT
-  AERIAL CABLE, 2-1/C NO 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE
-  TEMPORARY UNIT DUCT, 2-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE
-  WORK AREA THIS STAGE
-  STAGE 1B CONSTRUCTION
-  TEMPORARY PCC PAVEMENT

NOTES:

1. THE LOCATIONS OF EXISTING UNIT DUCT AS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN THE FIELD PRIOR TO CONSTRUCTION.
2. ALL EXISTING CABLE IS TO BE ABANDONED WHEN NO LONGER REQUIRED FOR LIGHTING.
3. TEMPORARY LIGHTING SHOWN IN STAGE 2 IS TO BE CONSTRUCTED IN STAGE 1 AND ILLUMINATED IN STAGE 2.
4. TEMPORARY WOOD POLES TO BE INSTALLED OUTSIDE THE CLEAR ZONE AT A 30 FT SETBACK MINIMUM FROM EXISTING, TEMPORARY OR PROPOSED ROADWAY EDGE OF PAVEMENT OR 4 FT BEHIND THE GUARDRAIL OR BARRIER UNLESS NOTED OTHERWISE.
5. TEMPORARY WOOD POLES SHALL BE TALLER THAN 55 FEET AS NEEDED TO MAINTAIN REQUIRED GROUND CLEARANCE OF AERIAL CABLES AND 45 FEET LUMINAIRE MOUNTING HEIGHT.



FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING FAYETTE AVENUE RAMPS STAGE 2	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
S:\Projects\403-00072-57-70\dgn\FayetteLighting_ren_Stage2.dgn						57/70	(23-3)1-6	EFFINGHAM	839	272		
PLOT SCALE = 1/8" = 50' / IN.						CONTRACT NO. 74293						
PLOT DATE = 6/23/2010						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

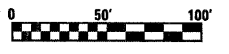


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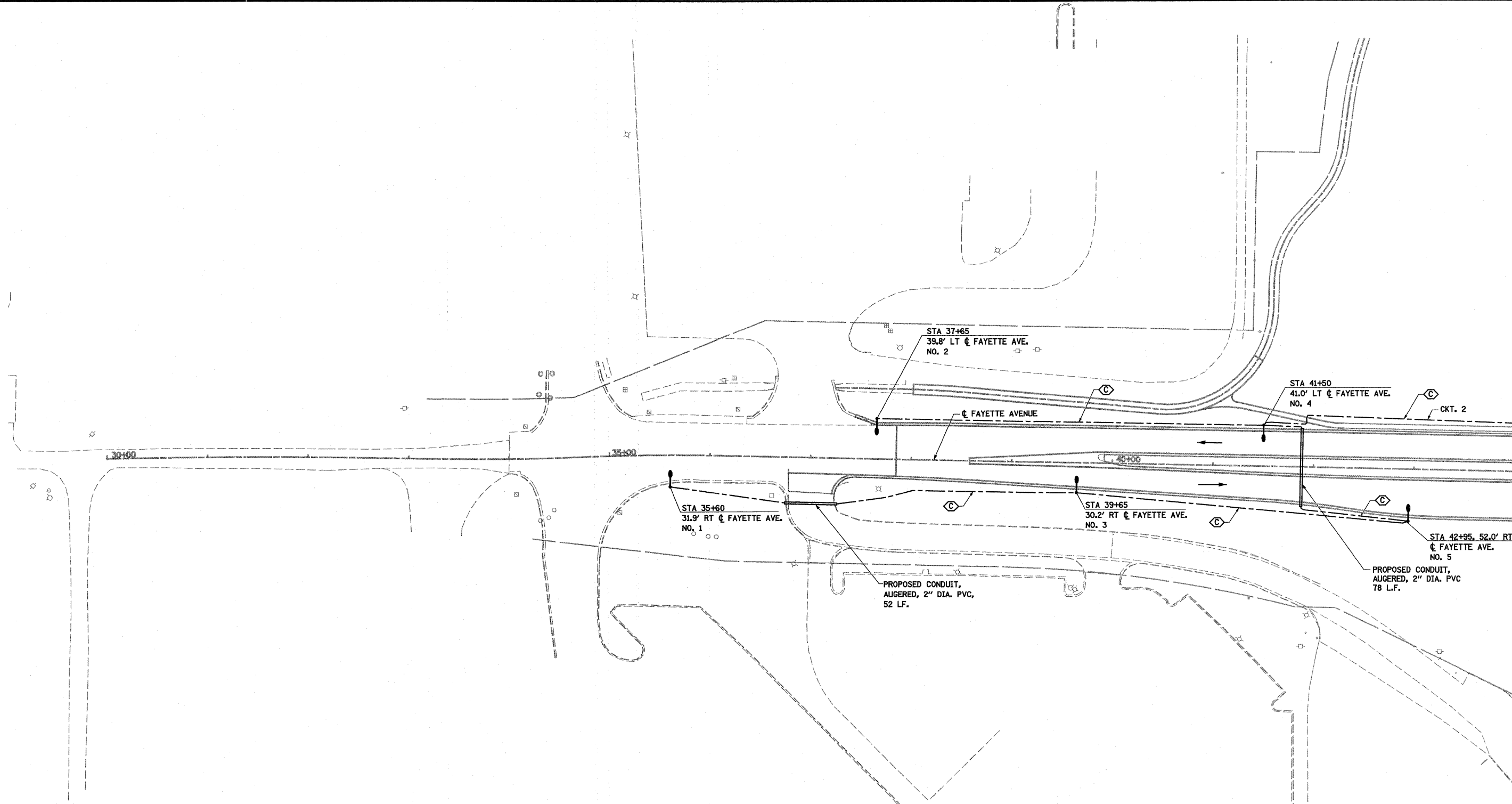
- EXISTING LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING UNIT USED AS TEMPORARY
- TEMPORARY WOOD POLE, 55 FEET, CLASS 4
- EXISTING LIGHTING CONTROLLER
- TEMPORARY WOOD POLE, 55 FEET, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FEET MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
- EXISTING UNIT DUCT OR CABLE IN CONDUIT
- AERIAL CABLE, 2-1/2 INCH NO. 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE
- TEMPORARY UNIT DUCT, 2-1/2 INCH NO. 6, 1/2 INCH NO. 8 GROUND, XLPE-TYPE USE, 1 INCH DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE
- WORK AREA THIS STAGE
- STAGE 1B CONSTRUCTION
- TEMPORARY PCC PAVEMENT

NOTES:

1. THE LOCATIONS OF EXISTING UNIT DUCT AS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN THE FIELD PRIOR TO CONSTRUCTION.
2. ALL EXISTING CABLE IS TO BE ABANDONED WHEN NO LONGER REQUIRED FOR LIGHTING.
3. TEMPORARY LIGHTING SHOWN IN STAGE 2 IS TO BE CONSTRUCTED IN STAGE 1 AND ILLUMINATED IN STAGE 2.
4. TEMPORARY WOOD POLES TO BE INSTALLED OUTSIDE THE CLEAR ZONE AT A 30 FT SETBACK MINIMUM FROM EXISTING, TEMPORARY OR PROPOSED ROADWAY EDGE OF PAVEMENT OR 4 FT BEHIND THE GUARDRAIL OR BARRIER UNLESS NOTED OTHERWISE.
5. TEMPORARY WOOD POLES SHALL BE TALLER THAN 55 FEET AS NEEDED TO MAINTAIN REQUIRED GROUND CLEARANCE OF AERIAL CABLES AND 45 FEET LUMINAIRE MOUNTING HEIGHT.



FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING FAYETTE AVENUE RAMPS STAGE 2	F.A.I. RTE. 57/70	SECTION (23-3)1-6	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 273
S:\Projects\403-00072_57-70\dgn\FayetteLighting_Stage2.dgn		DRAWN -	REVISED -		SCALE: 1"=50'	SHEET NO. 11 OF 24 SHEETS	FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
		CHECKED -	REVISED -			STA. 2155+00.00 TO STA. 2169+00.00	CONTRACT NO. 74293			
		DATE -	REVISED -							

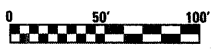


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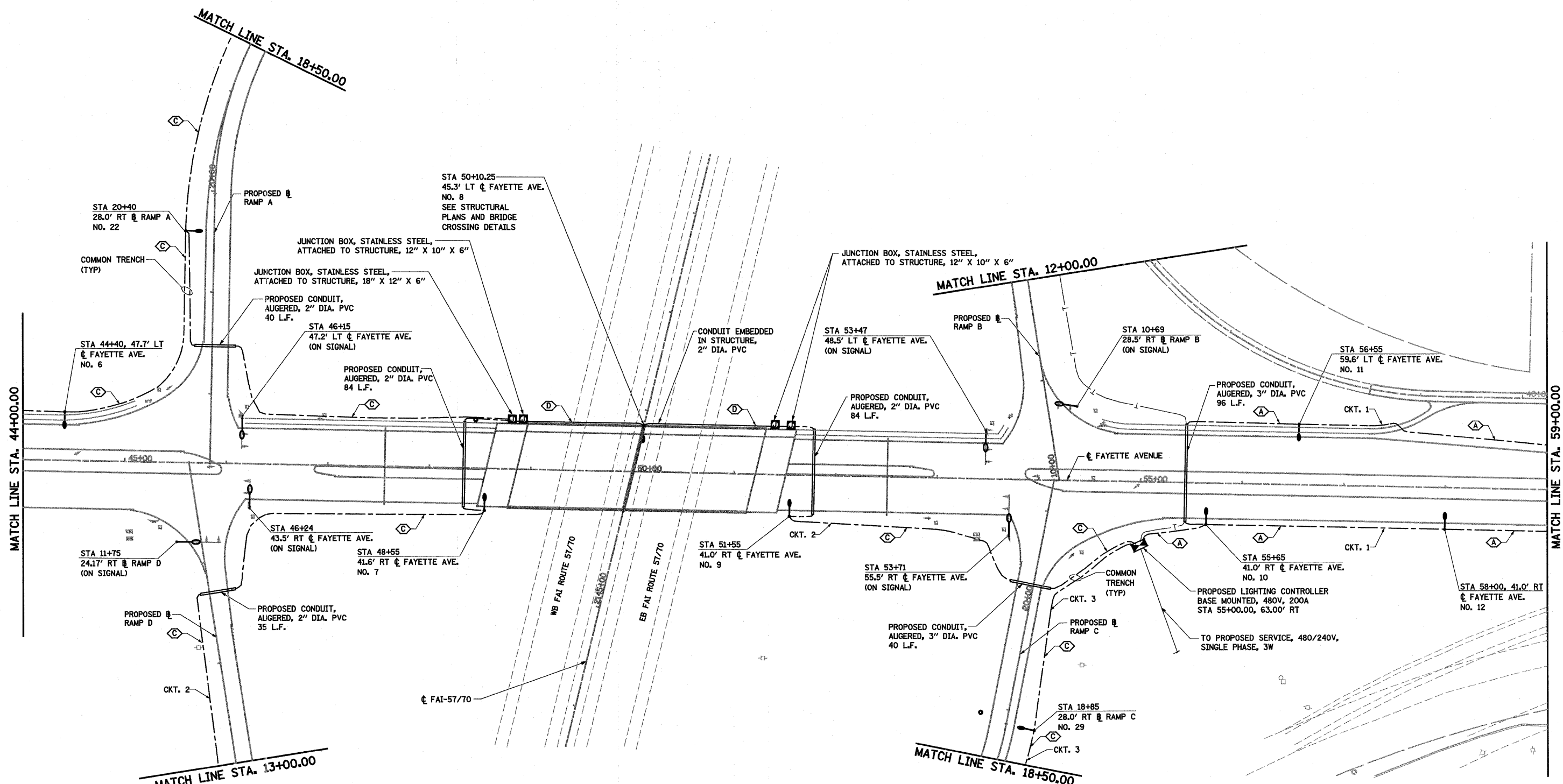
- COMBINATION LIGHTING UNIT, 45 FT MH, 15 FT MAST ARM, 400W HPS LUMINAIRE, PHOTO-CELL CONTROL M-C-III
- PROPOSED LIGHTING UNIT, 50 FT ALUMINUM POLE, 15 FT DAVIT ARM, 400W HPS LUMINAIRE, M-C-III
- PROPOSED LIGHTING CONTROLLER
- SERVICE INSTALLATION
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS NOTED
- PROPOSED UNIT DUCT
- PROPOSED CONDUIT EMBEDDED IN STRUCTURE
- PROPOSED CONDUIT, AUGERED, PVC, SIZE AS NOTED
- EXISTING UNIT DUCT
- TEMPORARY UNIT DUCT, 2-1C NO. 4, 1/C NO. 6 GROUND (XLP-TYPE USE) 1" DIA. POLYETHYLENE
- TEMPORARY WOOD POLE, 55 FT, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FT MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
- EXISTING LIGHTING UNIT USED AS TEMPORARY
- AERIAL CABLE, 2-1/C NO. 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE.

CABLE / CONDUIT SCHEDULE

- UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE), 2-1C NO. 4, 1/C NO. 6 GROUND IN 2" PVC CONDUIT EMBEDDED IN STRUCTURE



FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING, FAYETTE AVENUE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
S:\Projects\403-00072-57-70\dgn\FayetteLighting.dwg					DRAWN - PDB	REVISED -				57/70	(25-3)I-6	EFFINGHAM	839	274
PLOT SCALE = 100.0000' / IN.					CHECKED - BRM	REVISED -				CONTRACT NO. 74293				
PLOT DATE = 6/23/2010					DATE - 04-12-10	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
							SCALE: 1"=50'	SHEET NO. 12 OF 24 SHEETS	STA. 30+00.00 TO STA. 44+00.00					

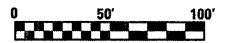


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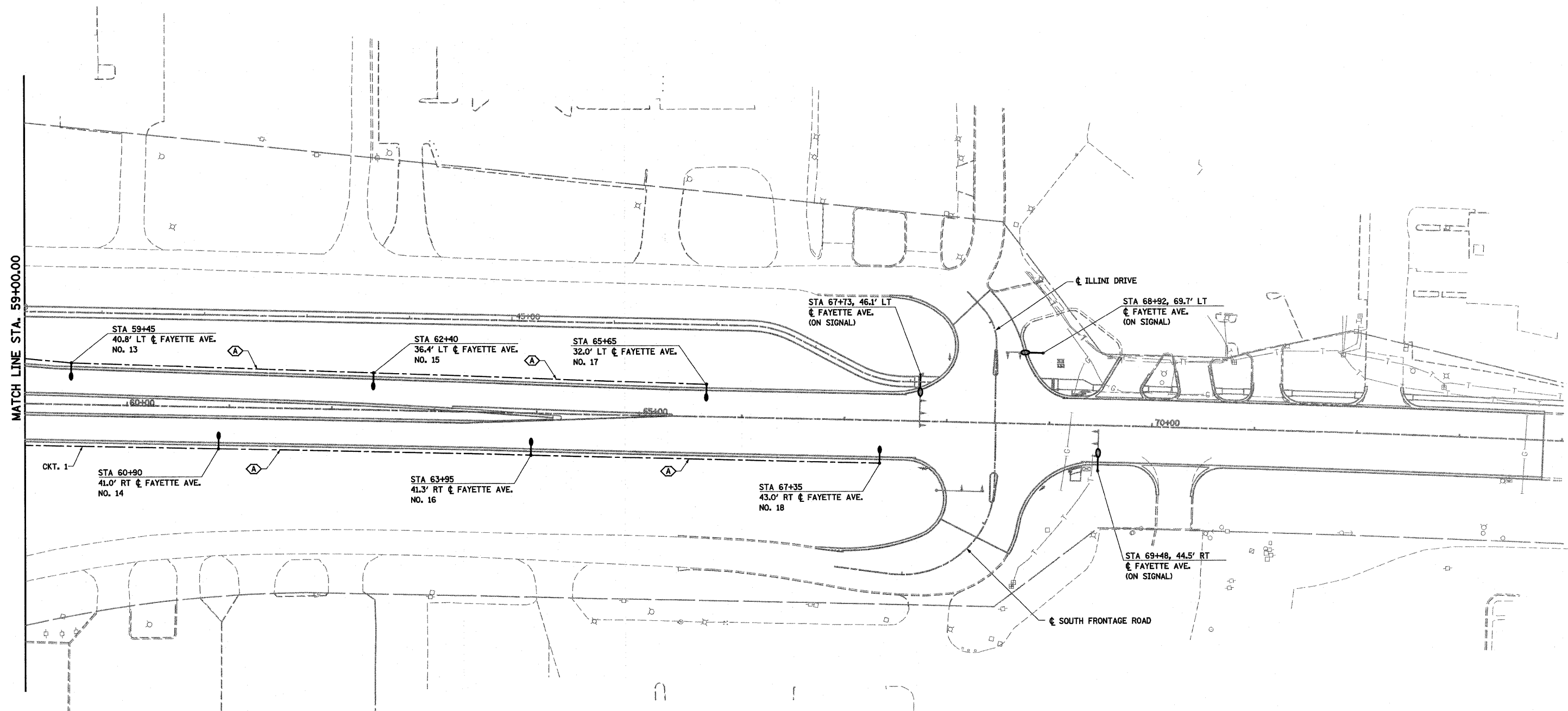
- COMBINATION LIGHTING UNIT, 45 FT MH, 15 FT MAST ARM, 400W HPS LUMINAIRE, PHOTO-CELL CONTROL M-C-III
- PROPOSED LIGHTING UNIT, 50 FT ALUMINUM POLE, 15 FT DAVIT ARM, 400W HPS LUMINAIRE, M-C-III
- PROPOSED LIGHTING CONTROLLER
- SERVICE INSTALLATION
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS NOTED
- PROPOSED UNIT DUCT
- PROPOSED CONDUIT EMBEDDED IN STRUCTURE
- PROPOSED CONDUIT, AUGERED, PVC, SIZE AS NOTED
- EXISTING UNIT DUCT
- TEMPORARY UNIT DUCT, 2-1C NO. 4, 1/C NO. 6 GROUND (XLP-TYPE USE) 1" DIA. POLYETHYLENE
- TEMPORARY WOOD POLE, 55 FT, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FT MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
- EXISTING LIGHTING UNIT USED AS TEMPORARY
- AERIAL CABLE, 2-1/C NO. 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE.

CABLE / CONDUIT SCHEDULE

- UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE), 2-1C NO. 4, 1/C NO. 6 GROUND IN 2" PVC CONDUIT EMBEDDED IN STRUCTURE



FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING, FAYETTE AVENUE		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Projects\463-00012-57-70\paul\FayetteLighting.dwg		DRAWN - PDB	REVISED -		SCALE: 1"=50'	SHEET NO. 13 OF 24 SHEETS	STA. 44+00.00 TO STA. 59+00.00	57/70	(25-3)I-6	EFFINGHAM	839	275
PLOT SCALE = 100.0000' / IN.		CHECKED - BRM	REVISED -					CONTRACT NO. 74293				
PLOT DATE = 6/23/2010		DATE - 04-12-10	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

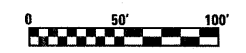


LEGEND

- COMBINATION LIGHTING UNIT, 45 FT MH, 15 FT MAST ARM, 400W HPS LUMINAIRE, PHOTO-CELL CONTROL M-C-III
- PROPOSED LIGHTING UNIT, 50 FT ALUMINUM POLE, 15 FT DAVIT ARM, 400W HPS LUMINAIRE, M-C-III
- PROPOSED LIGHTING CONTROLLER
- SERVICE INSTALLATION
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS NOTED
- PROPOSED UNIT DUCT
- PROPOSED CONDUIT EMBEDDED IN STRUCTURE
- PROPOSED CONDUIT, AUGERED, PVC, SIZE AS NOTED
- EXISTING UNIT DUCT
- TEMPORARY UNIT DUCT, 2-1C NO. 4, 1/C NO. 6 GROUND (XLP-TYPE USE) 1" DIA. POLYETHYLENE
- TEMPORARY WOOD POLE, 55 FT, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FT MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
- EXISTING LIGHTING UNIT USED AS TEMPORARY
- AERIAL CABLE, 2-1/C NO. 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE.

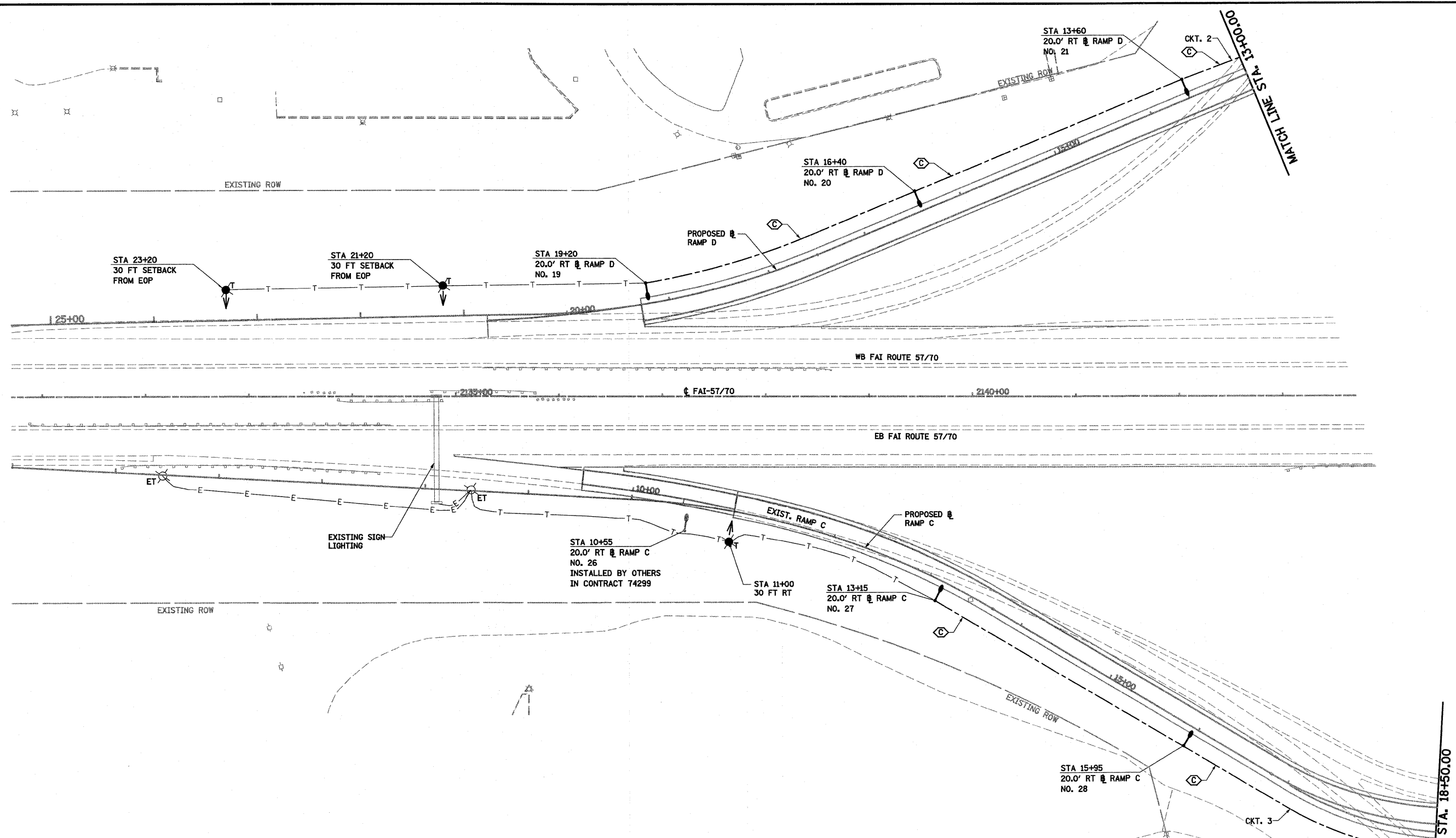
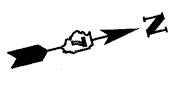
CABLE / CONDUIT SCHEDULE

- UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE), 2-1C NO. 4, 1/C NO. 6 GROUND IN 2" PVC CONDUIT EMBEDDED IN STRUCTURE



FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING, FAYETTE AVENUE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\403-00072-57-70\dgn\FayetteLighting.dwg		DRAWN - PDB	REVISED -		57/70	(25-3)1-6	EFFINGHAM	839	276			
PLOT SCALE = 1/8" = 1' / IN.		CHECKED - BRM	REVISED -		SCALE: 1"=50'			SHEET NO. 14 OF 24 SHEETS			STA. 59+00.00 TO STA. 74+00.00	
PLOT DATE = 6/23/2010		DATE - 04-12-10	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

CONTRACT NO. 74293



MATCH LINE STA. 18+50.00

LEGEND

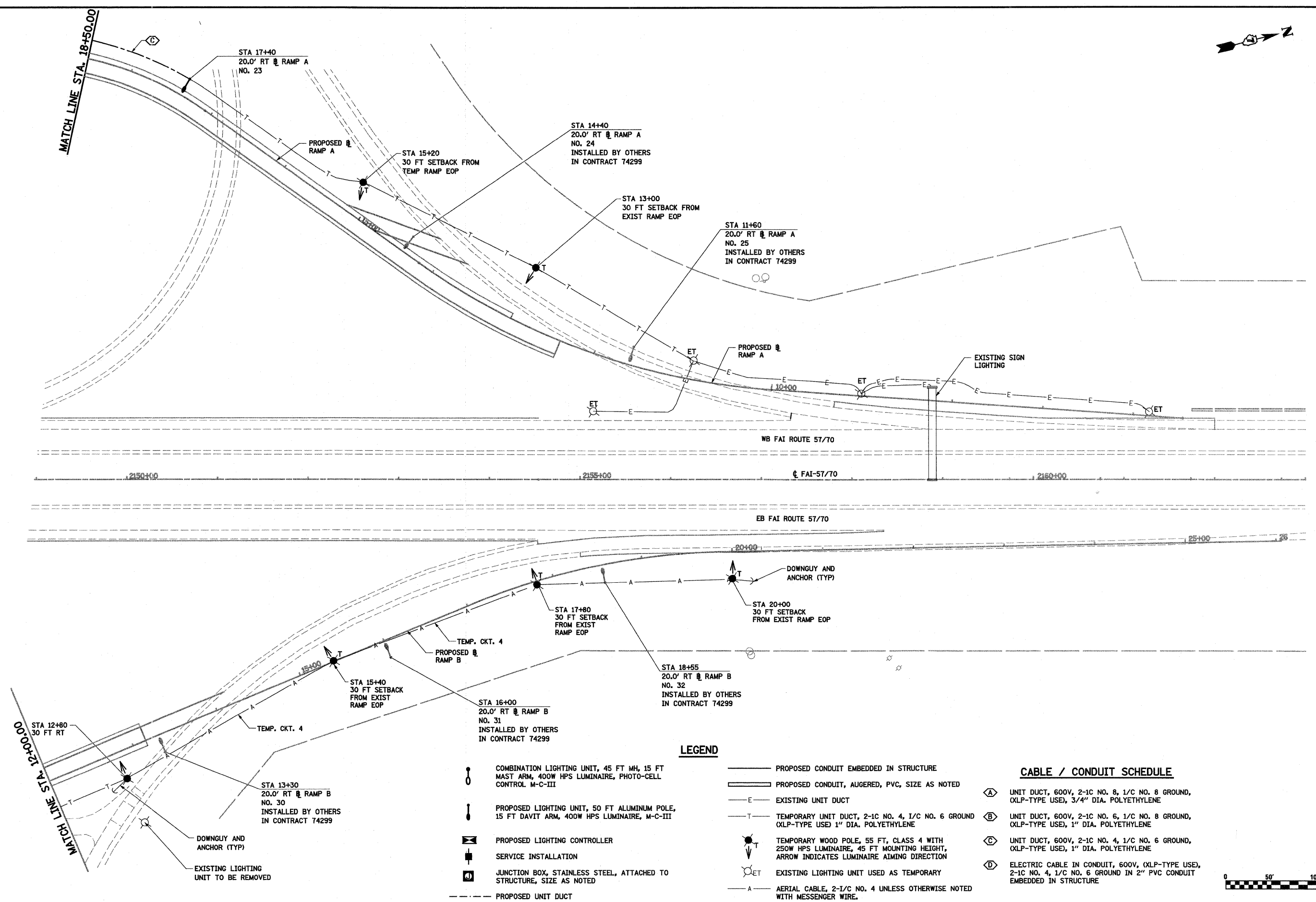
- COMBINATION LIGHTING UNIT, 45 FT MH, 15 FT MAST ARM, 400W HPS LUMINAIRE, PHOTO-CELL CONTROL M-C-III
- PROPOSED LIGHTING UNIT, 50 FT ALUMINUM POLE, 15 FT DAVIT ARM, 400W HPS LUMINAIRE, M-C-III
- PROPOSED LIGHTING CONTROLLER
- SERVICE INSTALLATION
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS NOTED
- PROPOSED UNIT DUCT
- PROPOSED CONDUIT EMBEDDED IN STRUCTURE
- PROPOSED CONDUIT, AUGERED, PVC, SIZE AS NOTED
- EXISTING UNIT DUCT
- TEMPORARY UNIT DUCT, 2-1C NO. 4, 1/C NO. 6 GROUND (XLP-TYPE USE) 1" DIA. POLYETHYLENE
- TEMPORARY WOOD POLE, 55 FT, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FT MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
- EXISTING LIGHTING UNIT USED AS TEMPORARY
- AERIAL CABLE, 2-1/C NO. 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE.

CABLE / CONDUIT SCHEDULE

- UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE), 2-1C NO. 4, 1/C NO. 6 GROUND IN 2" PVC CONDUIT EMBEDDED IN STRUCTURE



FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING, FAYETTE AVENUE RAMPS			F.A.I. RTE. 57/70	SECTION (25-3)1-6	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 277
Plot SCALE = 1/8" = 100' / IN.	CHECKED - BRM	DATE - 04-12-10	REVISED -		SCALE: 1"=50'	SHEET NO. 15 OF 24 SHEETS	STA. 2125+00.00 TO STA. 2140+00.00	CONTRACT NO. 74293				
PLT DATE = 6/23/2010					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

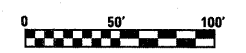


LEGEND

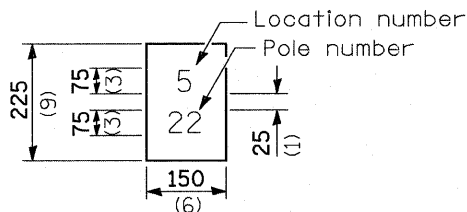
- COMBINATION LIGHTING UNIT, 45 FT MH, 15 FT MAST ARM, 400W HPS LUMINAIRE, PHOTO-CELL CONTROL M-C-III
- PROPOSED LIGHTING UNIT, 50 FT ALUMINUM POLE, 15 FT DAVIT ARM, 400W HPS LUMINAIRE, M-C-III
- PROPOSED LIGHTING CONTROLLER
- SERVICE INSTALLATION
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS NOTED
- PROPOSED UNIT DUCT
- PROPOSED CONDUIT EMBEDDED IN STRUCTURE
- PROPOSED CONDUIT, AUGERED, PVC, SIZE AS NOTED
- EXISTING UNIT DUCT
- TEMPORARY UNIT DUCT, 2-1/C NO. 4, 1/C NO. 6 GROUND (XLP-TYPE USE) 1" DIA. POLYETHYLENE
- TEMPORARY WOOD POLE, 55 FT, CLASS 4 WITH 250W HPS LUMINAIRE, 45 FT MOUNTING HEIGHT, ARROW INDICATES LUMINAIRE AIMING DIRECTION
- EXISTING LIGHTING UNIT USED AS TEMPORARY
- AERIAL CABLE, 2-1/C NO. 4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE.

CABLE / CONDUIT SCHEDULE

- UNIT DUCT, 600V, 2-1/C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1/C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE), 2-1/C NO. 4, 1/C NO. 6 GROUND IN 2" PVC CONDUIT EMBEDDED IN STRUCTURE

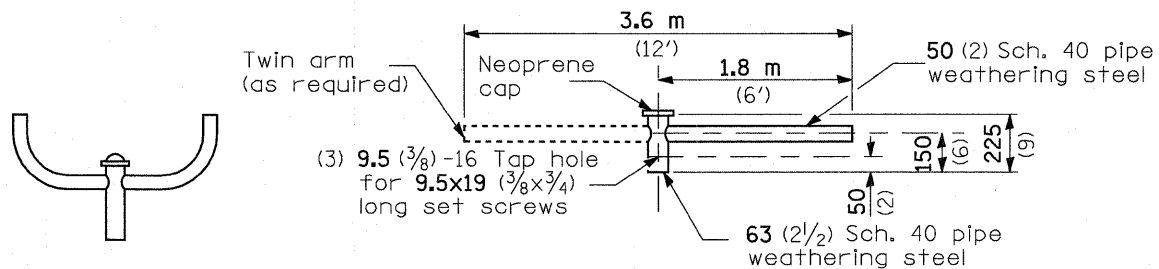


FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING, FAYETTE AVENUE RAMPS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Project\103-00072-51-70\dgn\FayetteLighting.prp.dgn		DRAWN - PDB	REVISED -			57/70	(25-311-6)	EFFINGHAM	839	278	
PLOT SCALE = 100.0000' / IN.		CHECKED - BRM	REVISED -			CONTRACT NO. 74293					
PLOT DATE = 6/23/2010		DATE - 04-12-10	REVISED -			ILLINOIS FED. AID PROJECT					



The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 75 (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section T602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

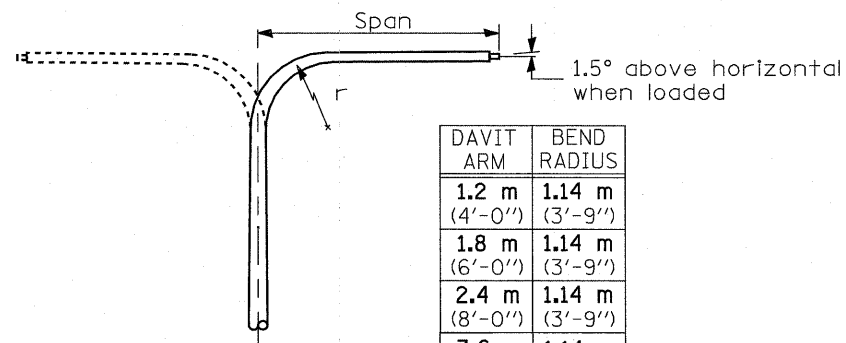
The light pole identification shall be applied to sign base material as specified in section 1069.06 of the Standard Specifications, approximately 180 (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 720001.



TWIN TENON

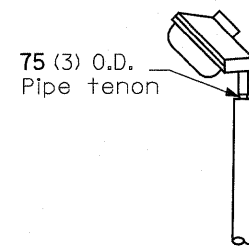
TENON MOUNT BRACKET ARM

NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.

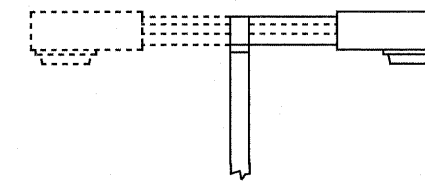


DAVIT ARM

DAVIT ARM-TWIN

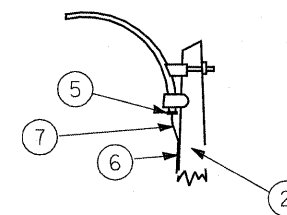


TENON

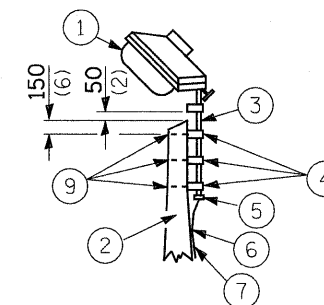


SHORT BRACKET

SHORT BRACKET - TWIN

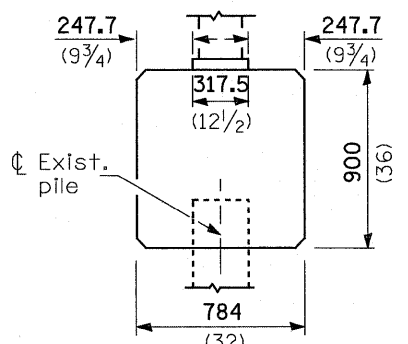
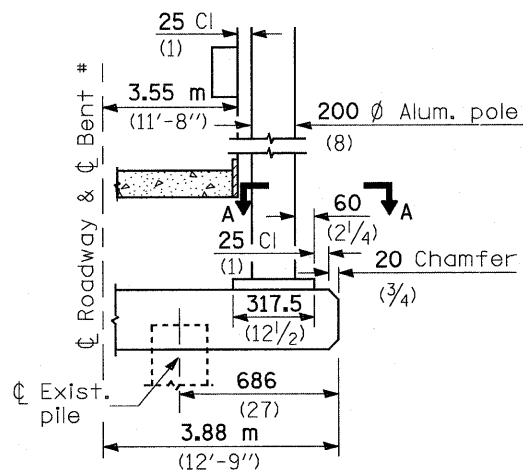


MAST ARM

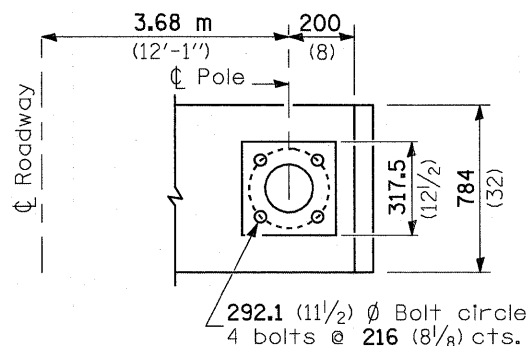


TENON

- ① Luminaire
- ② Wood pole, class 3 or better
- ③ 63 (2 1/2) Galv. steel conduit
- ④ Single offset pole band
- ⑤ Conduit bushing
- ⑥ Cable clamps on 600 (24) centers
- ⑦ 2/c #12 Type use cable
- ⑧ 25 (1) Galv. steel conduit 3.0 m (10') in length
- ⑨ 16 (5/8) ∅ hot dipped galvanized bolt with flat washer & locknut (3 req'd)
- ⑩ Conduit clamps on 900 (36) centers
- ⑪ Unit duct
- ⑫ Threaded reducer
- ⑬ "C" Condulet, threaded
- ⑭ 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.

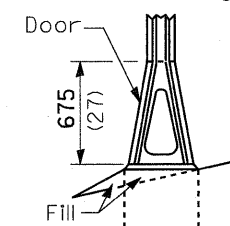


BRIDGE PIER MOUNT

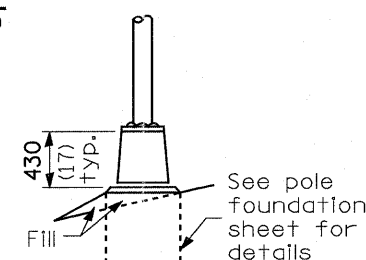


SECTION A-A

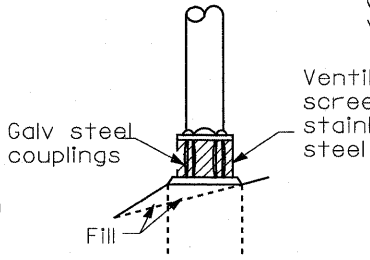
BENT # (Looking)



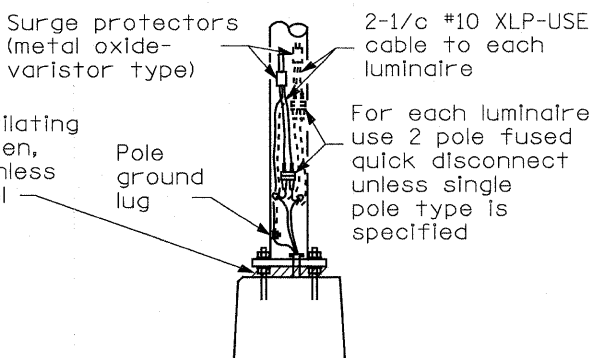
STAINLESS STEEL FLAIR BASE



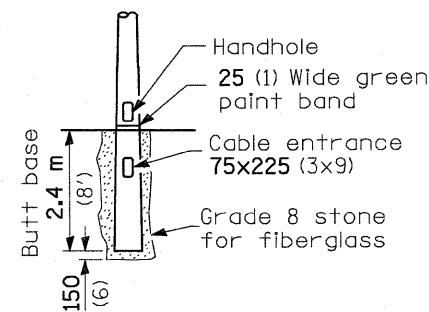
TRANSFORMER BASE



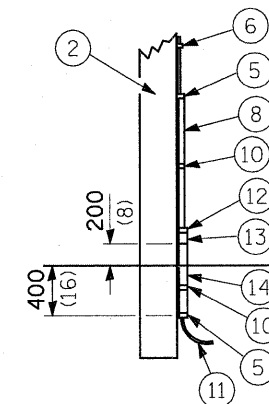
BREAKAWAY COUPLING



ANCHOR



BUTT BASE



POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

FRANGIBLE

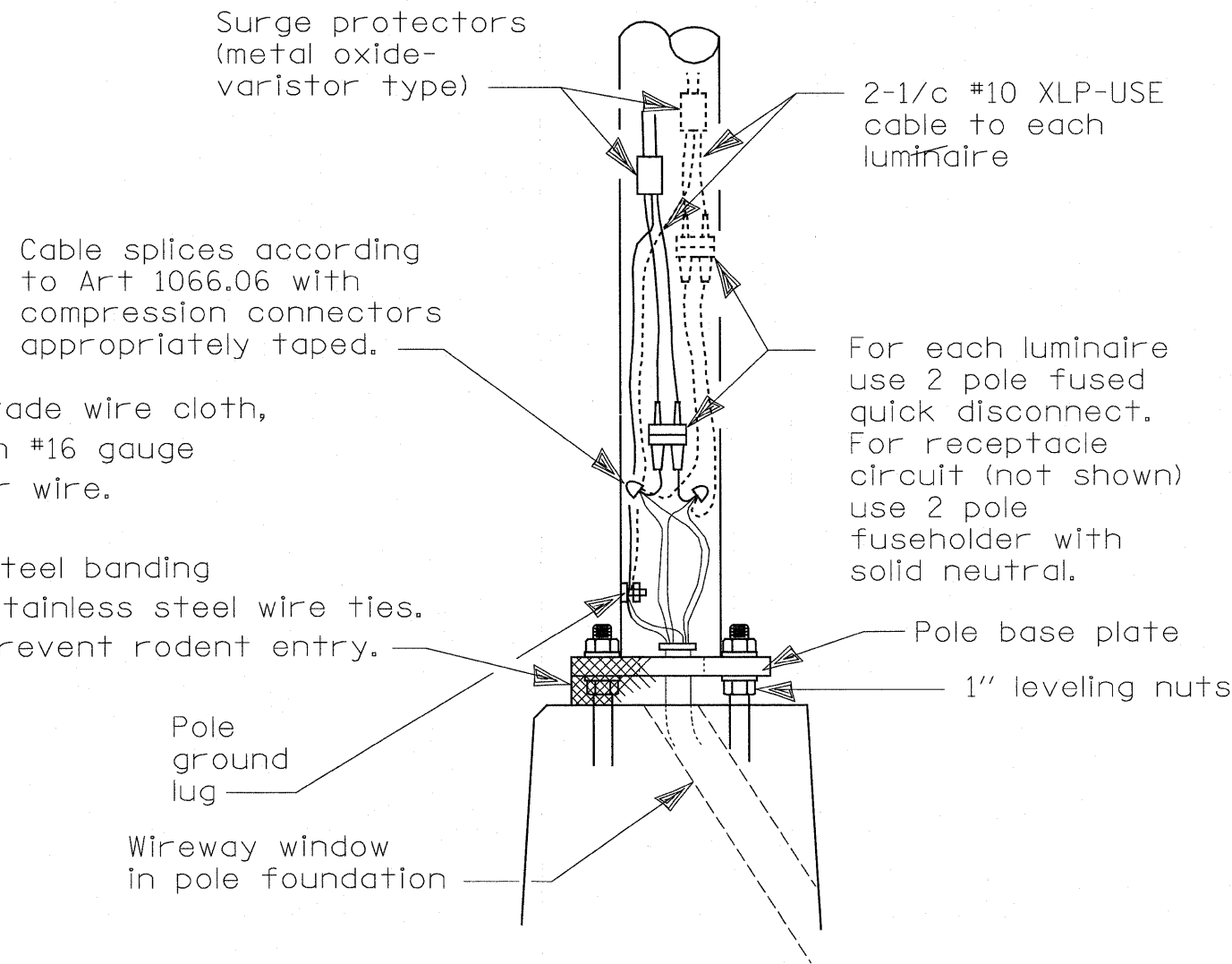
METAL

OR

CONCRETE

Details for underground distribution if required

All dimensions are in millimeters (Inches) unless otherwise shown.



Stainless steel standard grade wire cloth,
6x6 (1/4") mesh or less with #16 gauge
(0.062") diameter or heavier wire.

Attach with 1/2" stainless steel banding
or tie back on itself with stainless steel wire ties.
Finished installation must prevent rodent entry.

Cable splices according
to Art 1066.06 with
compression connectors
appropriately taped.

2-1/c #10 XLP-USE
cable to each
luminaire

For each luminaire
use 2 pole fused
quick disconnect.
For receptacle
circuit (not shown)
use 2 pole
fuseholder with
solid neutral.

Pole base plate

1" leveling nuts

Pole
ground
lug

Wireway window
in pole foundation

GENERAL NOTES

All taped splices shall use 2 layers of electrical tape
over 3 layers of rubber tape as required by the
Standard Specifications. Coat the finished taped
splice with bonding compound.

All cable splices shall be taped unless another method
has been specifically approved by the Engineer.

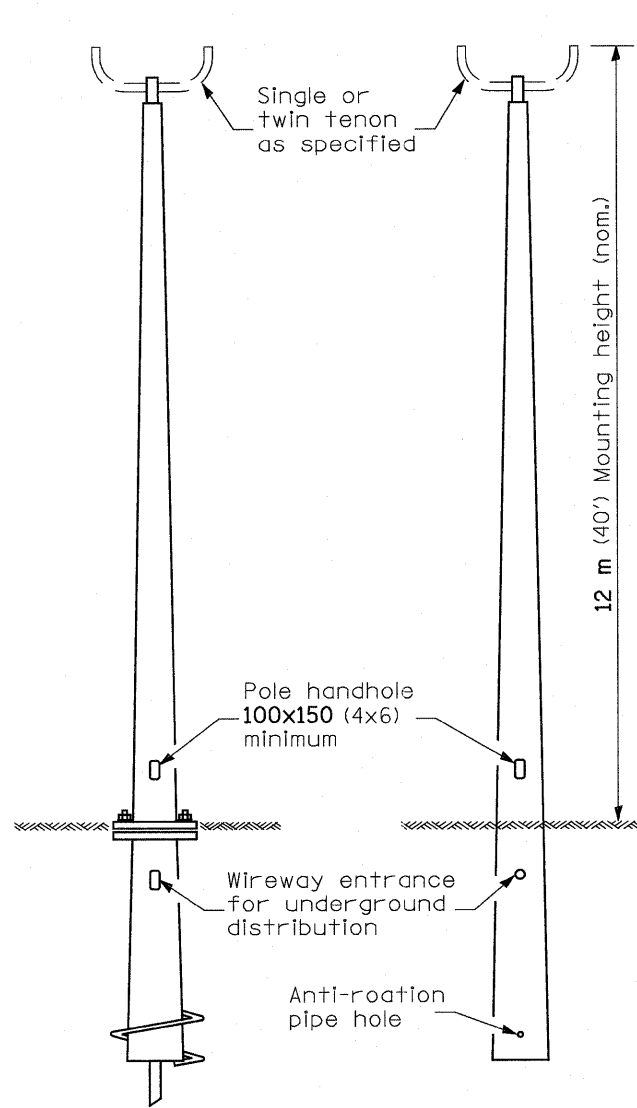
For example purposes the pole is shown on an anchor base.
If the pole is required to be set on a breakaway base,
consult the Standard Specifications.

WIRING DETAIL

NO SCALE

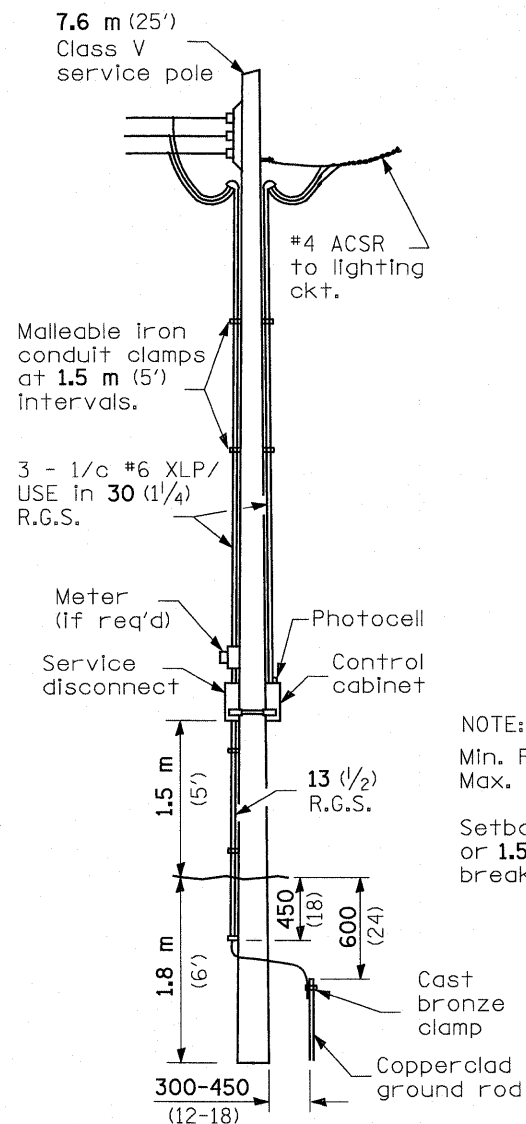
All dimensions are in millimeters (Inches)
unless otherwise shown.

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	POLE HANDHOLE WIRING, FAYETTE AVENUE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Projects\403-00072-51-70\qgn\FayetteLighting.dwg		DRAWN -	REVISED -			57/70	(25-3)I-6	EFFINGHAM	839	280	
PLOT SCALE = 40,0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 74293		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
PLOT DATE = 6/23/2010		DATE -	REVISED -			SCALE:	SHEET NO. 18 OF 24 SHEETS	STA.	TO STA.		



**ANCHOR BASE W/
METAL FOUNDATION** **BUTT BASE**

**POLE, FIBERGLASS
BREAKAWAY TYPE**

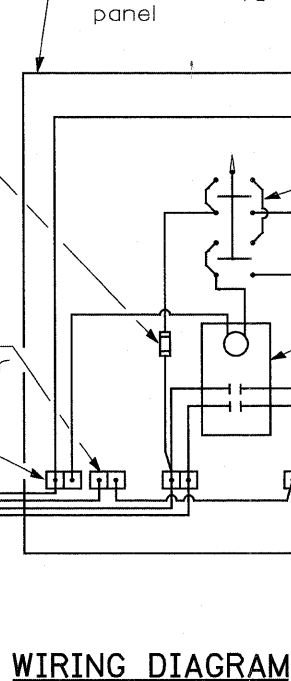


**SERVICE
INSTALLATION**

NOTE:
Min. Pole spacing 60 m (200')
Max. Pole spacing 75 m (250')

Setback shall be min. 9 m (30')
or 1.5 m (5') back of ditch, unless
breakaway type pole is used.

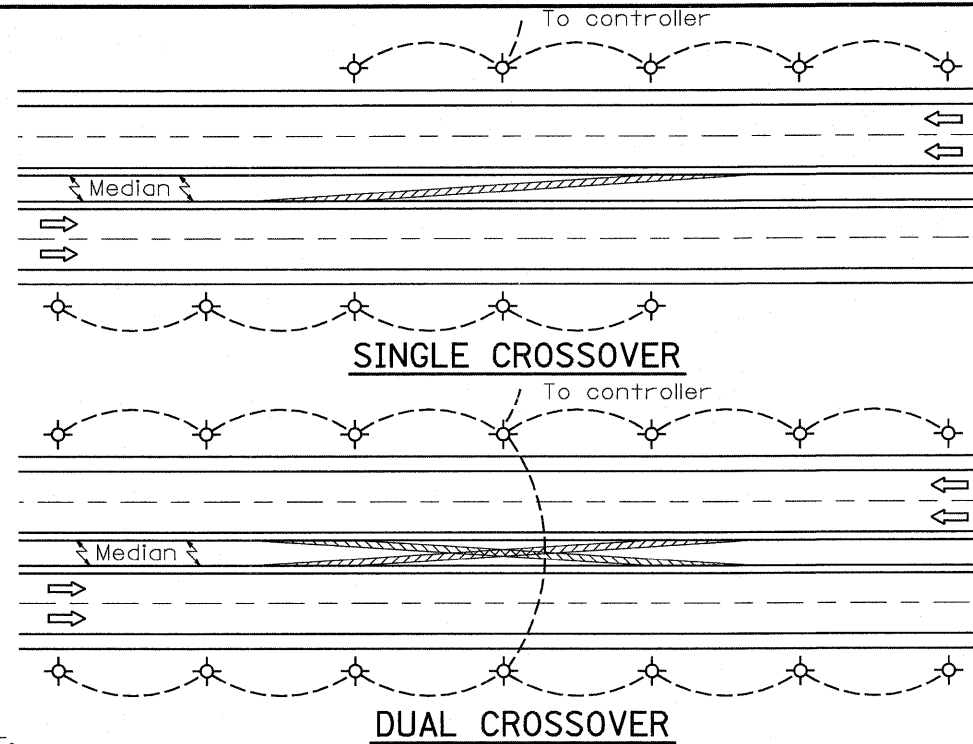
Cast aluminum cabinet
450 H. x 300 W. x 200 D.
(18 H. x 12 W. x 8 D.)
Aluminum door with
standard traffic signal
lock & key and 400 x 250
x 13 (16x10x1/2) mounting
panel



NOTE:
All equipment shall be U.L. approved.

* 30 A. or 60 A., dependent upon utility co. rules.

WIRING DIAGRAM

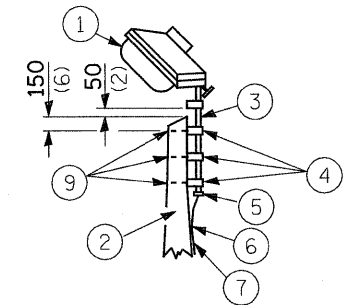


- ① Luminaire
- ② Wood pole, class 3 or better
- ③ 63 (2 1/2) Galv. steel conduit
- ④ Single offset pole band
- ⑤ Conduit bushing
- ⑥ Cable clamps on 600 (24) centers
- ⑦ 2/c #12 Type USE cable
- ⑧ 25 (1) Galv. steel conduit 3.0 m (10') in length

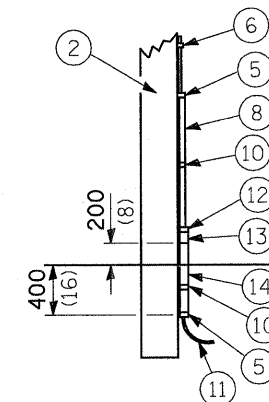
NOTE:
Luminaire(s) shall have a 2-pole inline weatherproof quick disconnect fuse holder.

Luminaire(s) shall be oriented and the mounting angle adjusted as recommended by the Engineer.

Connect luminaire equipment ground to ACSR messenger.



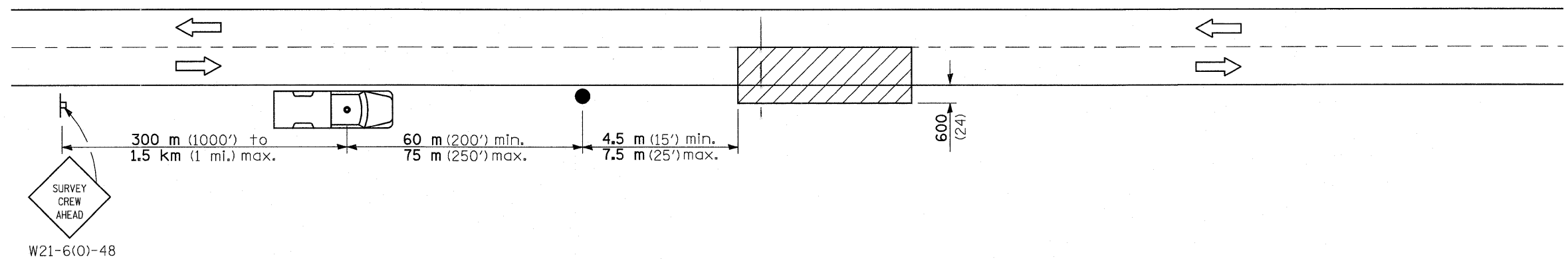
- ⑨ 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
- ⑩ Conduit clamps on 900 (36) centers
- ⑪ Unit duct
- ⑫ Threaded reducer
- ⑬ "C" Condulet, threaded
- ⑭ 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

All dimensions are in millimeters (Inches) unless otherwise shown.



SYMBOLS

Work area

Sign on portable or permanent support

Truck with flashing amber light and dual emergency flashers

Flagger with traffic control sign

TYPICAL APPLICATIONS
Utility operations

All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL FOR NIGHTTIME LIGHTING INSPECTION, FAYETTE AVENUE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\403-00072-57-10\dm\1\Fayette\Lighting.dwg		DRAWN -	REVISED -					57/70	(25-3)I-6	EFFINGHAM	839	282
PLOT SCALE = 40,0000' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. 20 OF 24 SHEETS STA. TO STA.			CONTRACT NO. 74293				
PLOT DATE = 6/23/2018		DATE -	REVISED -		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					

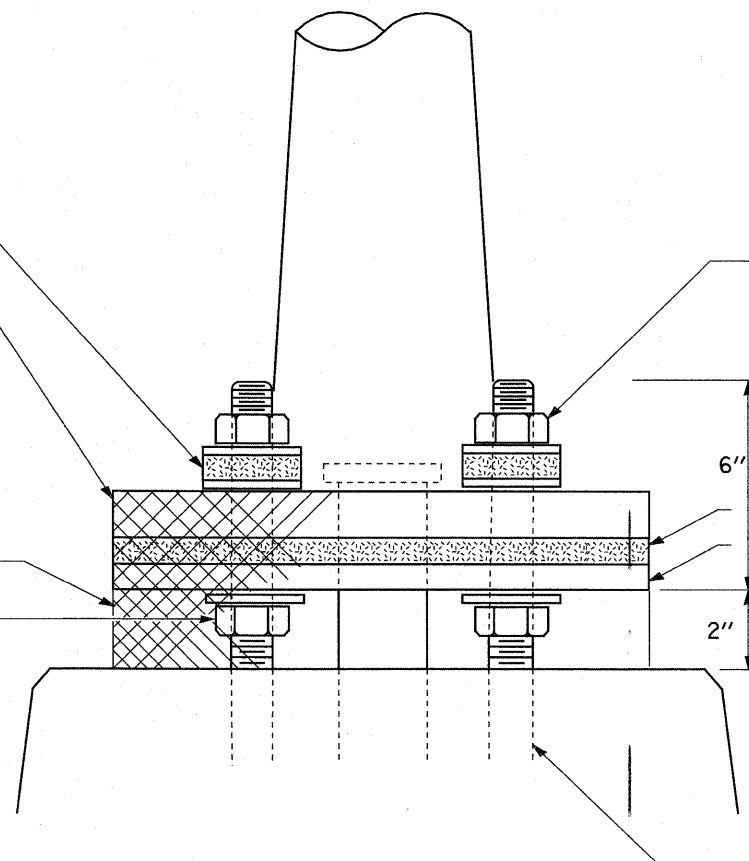
2 1/2 " O.D. x 1/4 " galvanized steel flat washer either side of 2 1/2 " O.D. x 1/2 " isolation washer. See notes 3 and 5.

Pole base plate

Stainless steel standard grade wire cloth, 6x6 (1/4") mesh or less with #16 gauge (0.062") diameter or heavier wire.

Attach with 1/2" stainless steel banding or tie back onitself with stainless steel wire ties. Finished installation must prevent rodent entry.

1" levelling nuts



1" self-locking nut or double nut. Install with torque wrench and torque to the isolation pad manufacturer's specifications.

1/2 " min. isolation pad - see note 3.

1/2 " min. galvanized steel levelling plate. Size to match pole base plate - see note 3.

1" high strength anchor bolts in bridge parapet.

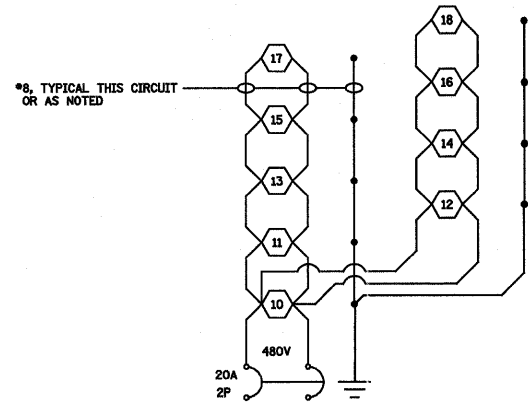
Pole Mounted on Bridge Parapet Detail

GENERAL NOTES

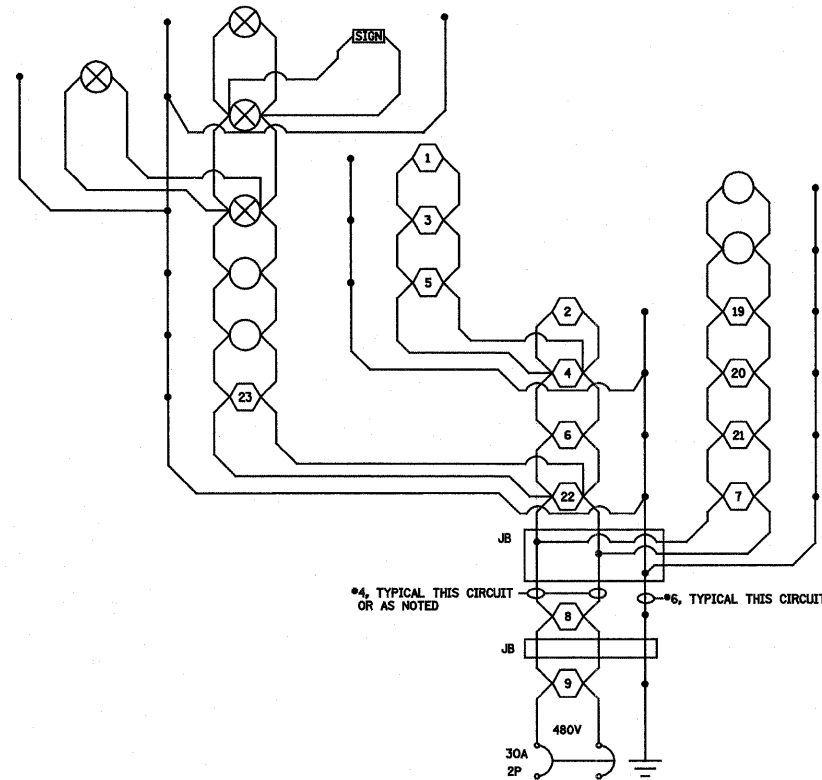
1. Locate poles over bridge piers where possible.
2. The vibration isolation pad and levelling plate shall match the footprint of the pole base plate.
3. Thickness of isolation pad and washers shall be according to the isolation pad manufacturer's recommendations based upon pole height and loading.
4. Should the length of the exposed anchor bolts be too short on an existing bridge to mount the poles as shown, then the levelling plate shall be mounted directly on the concrete and leveled with stainless steel washers. Remove concrete as directed by the Engineer to fully thread the top nut.
5. The diameter of the flat washer on either side of isolation washer shall be at least the same as diameter of isolation washer.

All dimensions are in millimeters (inches) unless otherwise shown.

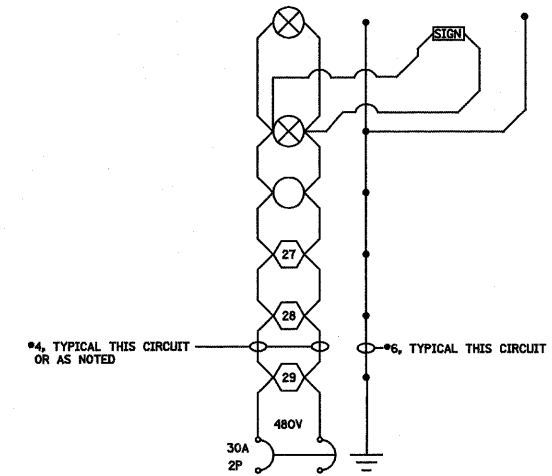
FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	POLE MOUNTED ON BRIDGE PARAPET, FAYETTE AVENUE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\403-00072-57-70\dgn\FayetteLighting.dgn		DRAWN -	REVISED -					57/70	(25-3)1-6	EFFINGHAM	839	283
PLOT SCALE = 40,0000' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. 21 OF 24 SHEETS STA. TO STA.			CONTRACT NO. 74293				
PLOT DATE = 6/23/2018		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



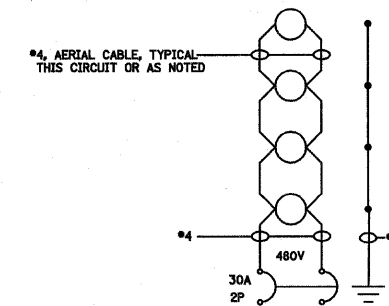
LIGHTING CKT 1
PROPOSED LIGHTING CONTROLLER BASE MOUNTED



LIGHTING CKT 2
PROPOSED LIGHTING CONTROLLER BASE MOUNTED



LIGHTING CKT 3
PROPOSED LIGHTING CONTROLLER BASE MOUNTED



LIGHTING CKT 4 (TEMPORARY)
PROPOSED LIGHTING CONTROLLER BASE MOUNTED

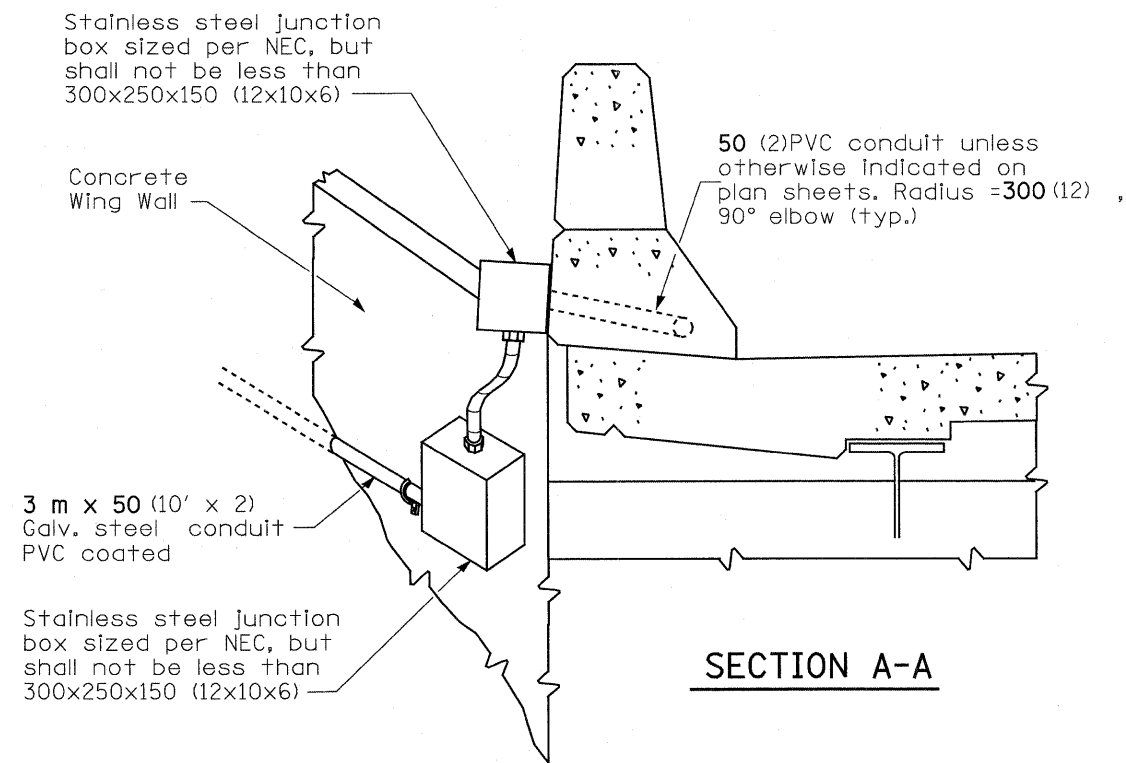
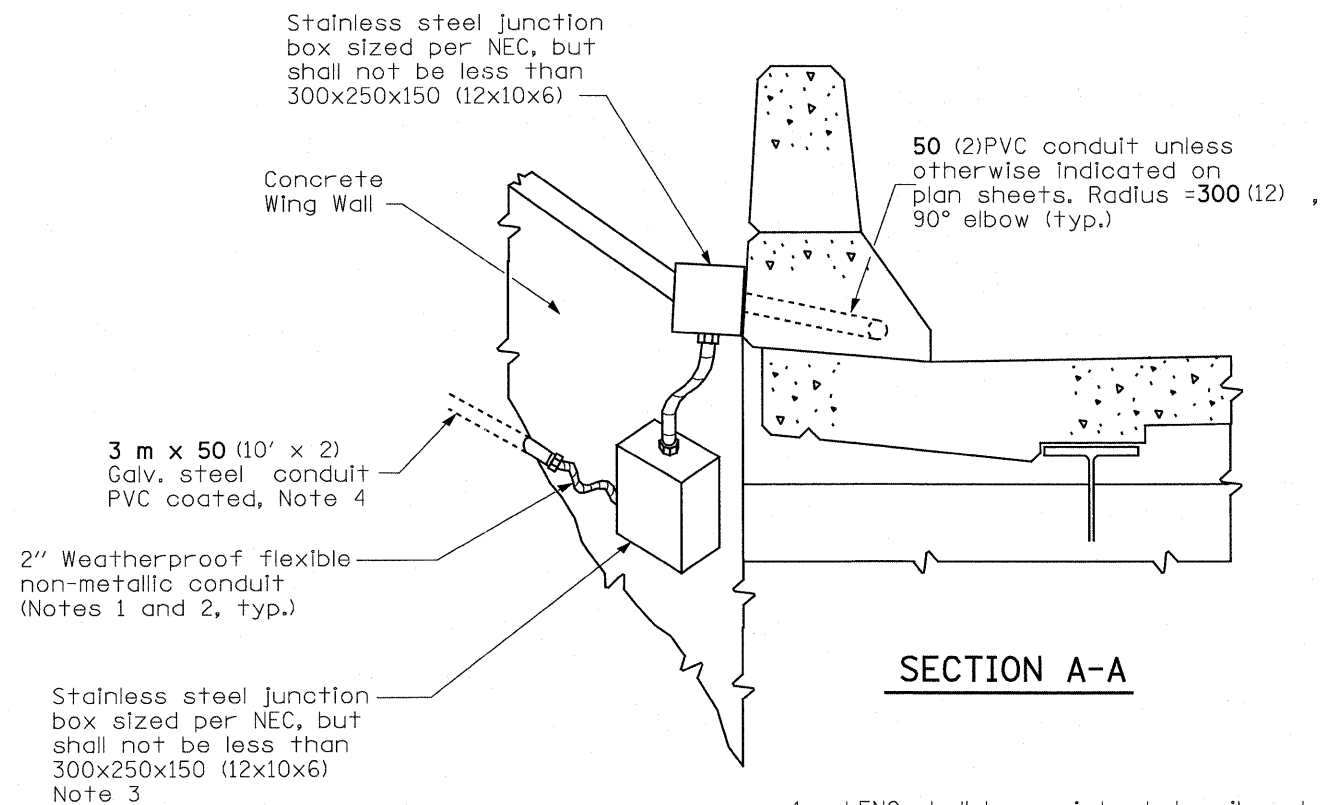
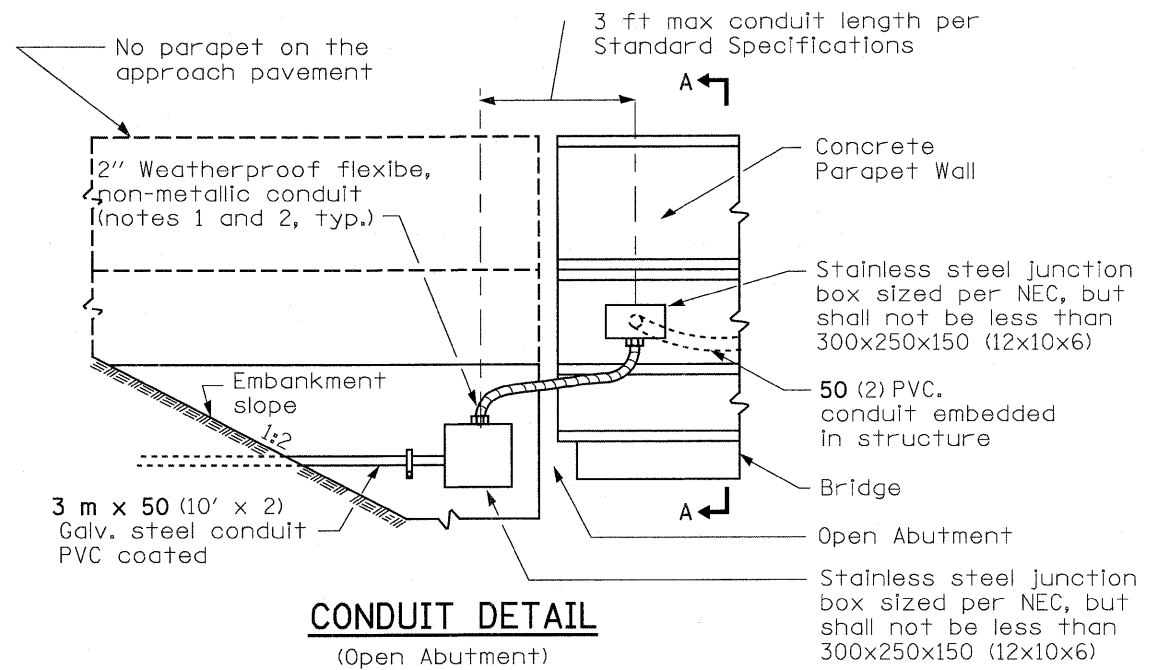
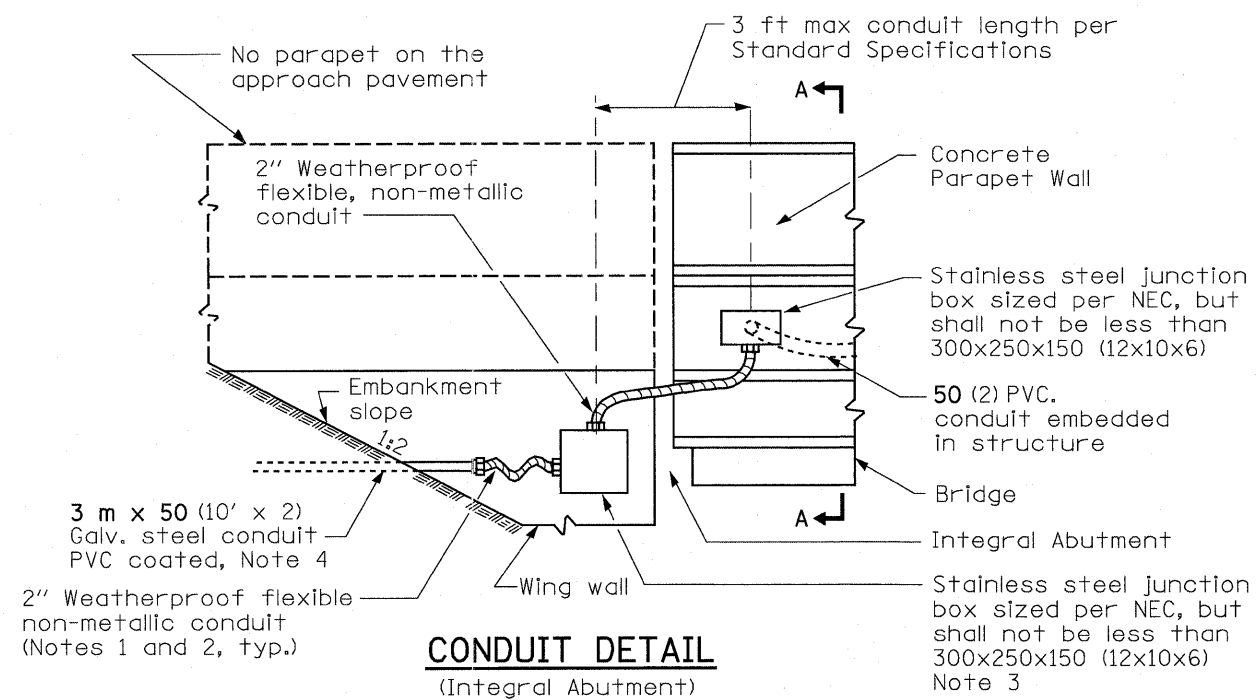
NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

- ⬡ 400W PROPOSED LUMINAIRE
- 250W TEMPORARY LUMINAIRE
- ⊗ 250W EXISTING LUMINAIRE
- ▭ SIGN LIGHTING, 2-150W LUMINAIRES
- JUNCTION BOX

WIRING DIAGRAM

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WIRING DIAGRAM CONTROLLER, FAYETTE AVENUE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Projects\403-00072.57-70\sgn\FayetteLighting.dwg		DRAWN -	REVISED -			57/70	(25-3)-6	EFFINGHAM	839	284	
PLOT SCALE = 40,0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 74293					
PLOT DATE = 6/23/2018		DATE -	REVISED -			SCALE: SHEET NO. 22 OF 24 SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



NOTES:

1. LFNC shall be resistant to oil, water, chemical, and UV and shall be suitable for outdoor, direct bury, and extreme cold use according to NEC Art. 356.
2. LFNC length shall not exceed 6'.
3. Junction box at west abutment shall be sized per NEC, but shall not be smaller than 18" x 12" x 6".
4. Two (2) Galv. steel conduits, PVC coated are needed at west abutment.

All dimensions are in millimeters (Inches) unless otherwise shown.

FILE NAME = S:\Projects\403-00072-57-70\dgn\FayetteLighting.dgn	USER NAME = betay	DESIGNED -	REVISED - 7-31-08 Updated	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONDUIT EXITING BRIDGE PARAPET, FAYETTE AVENUE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 40,0000' / IN.	DRAWN -	REVISED -	57/70			(25-31)-6	EFFINGHAM	839	285	
PLOT DATE = 6/23/2010	CHECKED -	REVISED -	CONTRACT NO. 74293							
DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
				SCALE:	SHEET NO. 23 OF 24 SHEETS	STA.	TO STA.			

1/1/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE - TEMPORARY

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	24	FT
	Number Of Lanes	2	
	Median Width		FT
	IES Surface Classification	R3	
	Q-Zero Value	.07	
LIGHT POLE DATA:	Mounting Height	45	FT
	Mast Arm Length		FT
	Pole Set-Back From Edge Of Pavement	30	FT
LUMINAIRE DATA:	Lamp Type	HPS	
	Lamp Lumens	28000	
	IES Vertical Distribution	M	
	IES Control Of Distribution	NC	
	IES Lateral Distribution	3	
	Total Light Loss Factor	0.684	
LAYOUT DATA:	Spacing	240	FT
	Configuration	One Side	
	Luminaire Overhang Over Edge Of Pavement Lane	-30	FT

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Illumination, (E_{Ave})	0.60	fc
	Uniformity Ratio, (E_{Ave}/E_{Min})	3.0	
LUMINANCE:	Average Luminance: (L_{Ave})	0.40	Cd/m ²
	Uniformity Ratios: (L_{Ave}/L_{Min})	3.5	
	(L_{Max}/L_{Min})	6.0	
	Maximum Veiling Luminance Ratio: (L_v/L_{Ave})	0.4	

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1/1/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE - CONVENTIONAL

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	36	FT
	Number Of Lanes	3	
	Median Width	1	FT
	IES Surface Classification	R3	
	Q-Zero Value	.07	
LIGHT POLE DATA:	Mounting Height	50	FT
	Mast Arm Length	15	FT
	Pole Set-Back From Edge Of Pavement	7	FT
LUMINAIRE DATA:	Lamp Type	HPS	
	Lamp Lumens	50000	
	IES Vertical Distribution	M	
	IES Control Of Distribution	FC	
	IES Lateral Distribution	3	
	Total Light Loss Factor	0.684	
LAYOUT DATA:	Spacing	300	FT
	Configuration	Staggered	
	Luminaire Overhang Over Edge Of Pavement Lane	8	FT

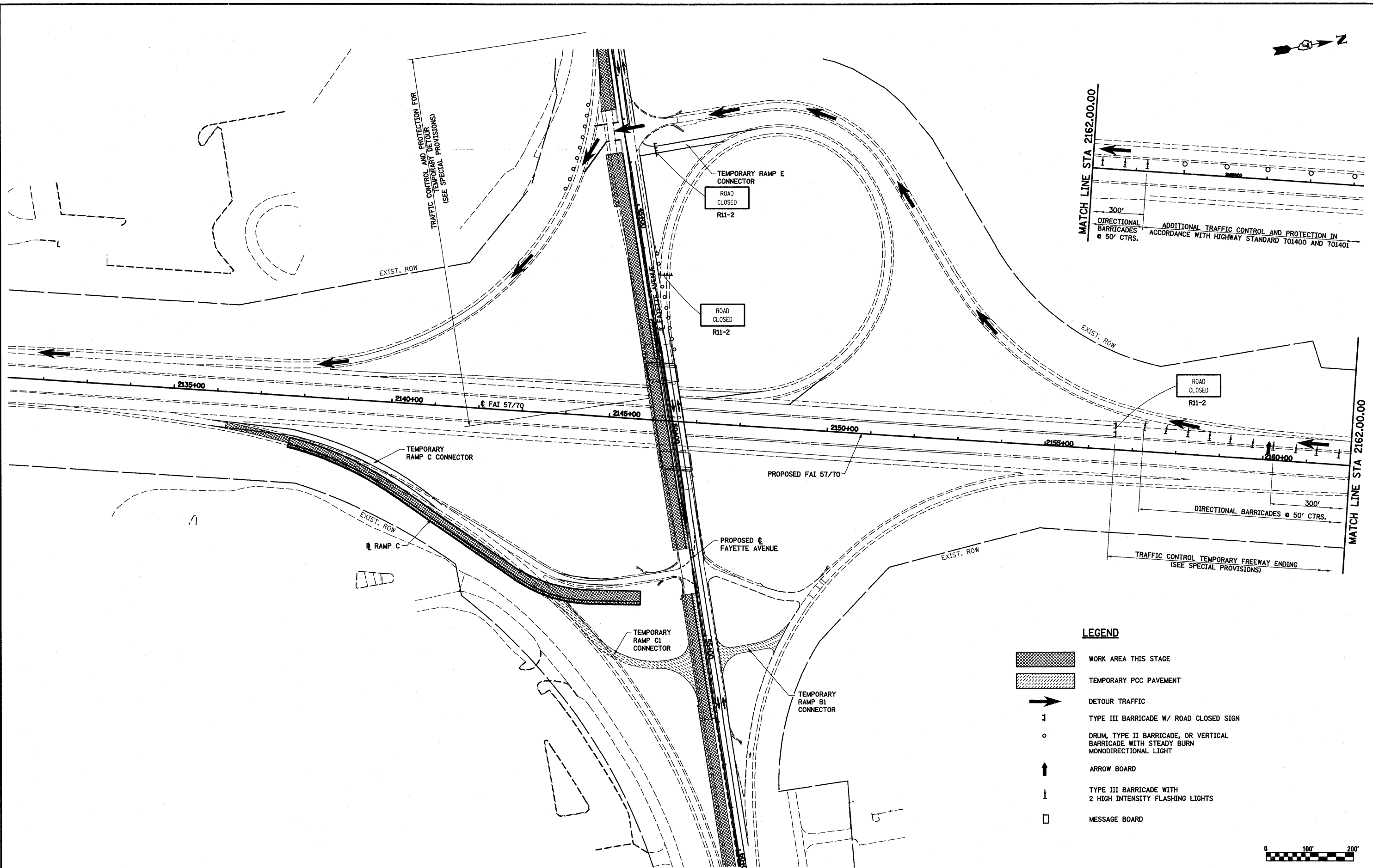
NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS









NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

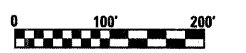
ILLUMINATION:	Average Horizontal Illumination, (E_{Ave})	1.30	fc
	Uniformity Ratio, (E_{Ave}/E_{Min})	3.0	
LUMINANCE:	Average Luminance: (L_{Ave})	0.90	Cd/m ²
	Uniformity Ratios: (L_{Ave}/L_{Min})	3.0	
	(L_{Max}/L_{Min})	5.0	
	Maximum Veiling Luminance Ratio: (L_v/L_{Ave})	0.3	

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LEGEND

-  WORK AREA THIS STAGE
-  TEMPORARY PCC PAVEMENT
-  DETOUR TRAFFIC
-  TYPE III BARRICADE W/ ROAD CLOSED SIGN
-  DRUM, TYPE II BARRICADE, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  ARROW BOARD
-  TYPE III BARRICADE WITH 2 HIGH INTENSITY FLASHING LIGHTS
-  MESSAGE BOARD



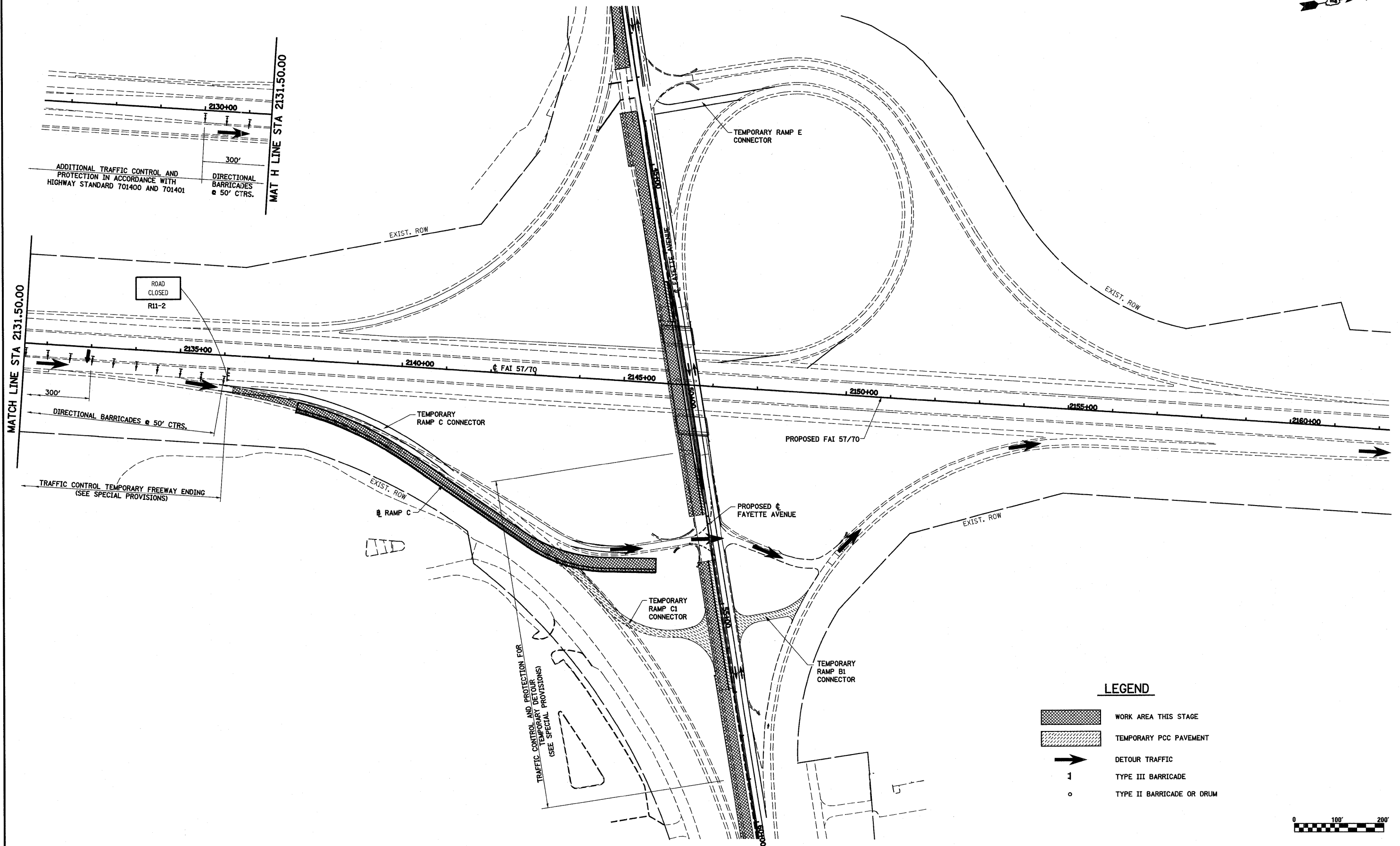
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PLOT SCALE = 200.0000' / IN.		CHECKED - BRM	REVISED -
PLOT DATE = 6/29/2010		DATE - 8-22-08	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1 DETOUR, GENERAL LAYOUT

SCALE: 1"=100' SHEET NO. 1 OF 5 SHEETS STA. 2124+23.58 TO STA. 2162+72.98

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-3)-6	EFFINGHAM	839	287
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 74293		



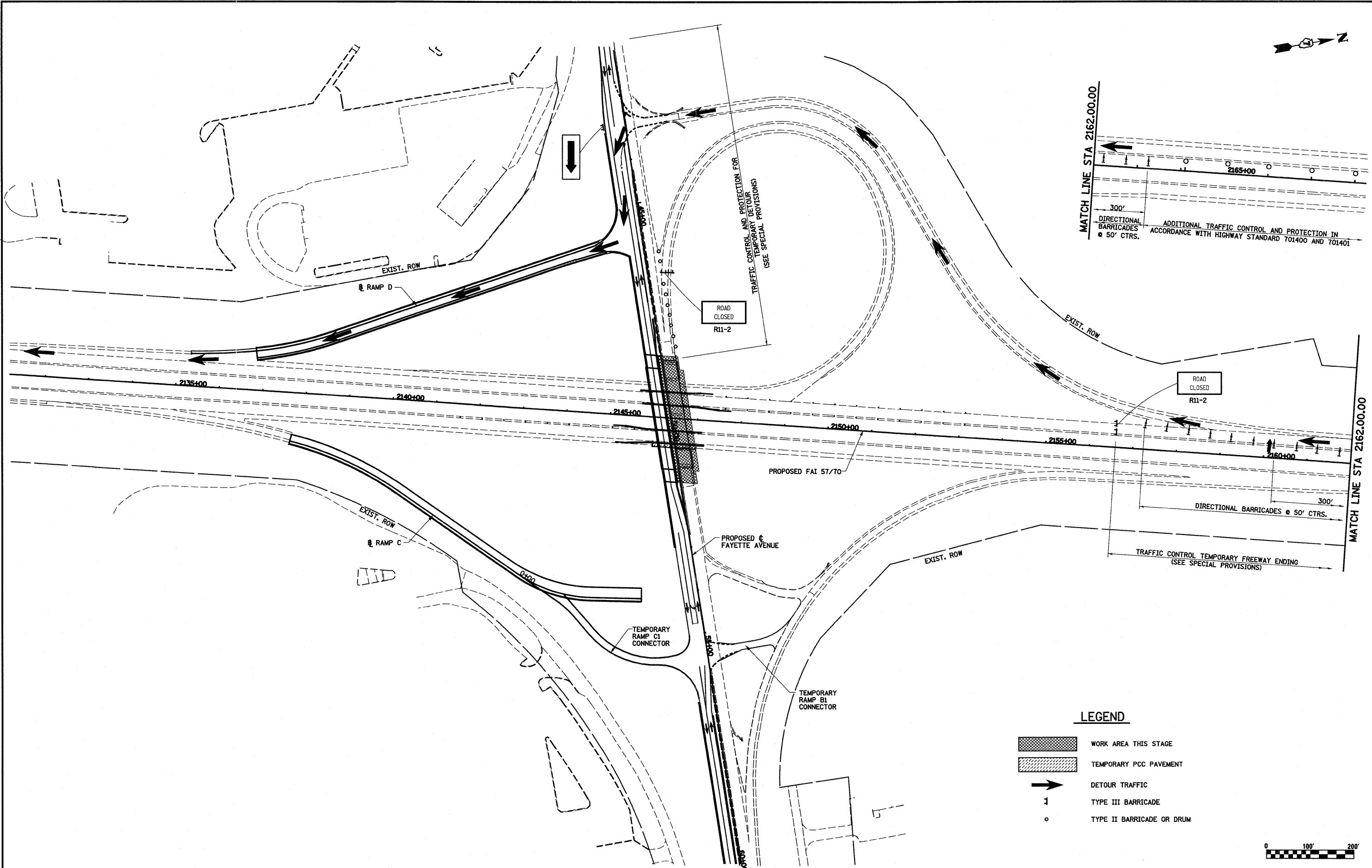
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PLOT DATE = 6/29/2018		DATE - 8-22-08	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**






STAGE 1 DETOUR, GENERAL LAYOUT

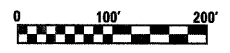
SCALE: 1"=100' SHEET NO. 2 OF 5 SHEETS STA. 2124+23.58 TO STA. 2162+72.98

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-3)I-6	EFFINGHAM	839	288
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 74293	



LEGEND

-  WORK AREA THIS STAGE
-  TEMPORARY PCC PAVEMENT
-  DETOUR TRAFFIC
-  TYPE III BARRICADE
-  TYPE II BARRICADE OR DRUM



FILE NAME =
S:\Projects\403-00072-57-70\dgn\Fayette11a\mot_SL_detour.dgn

USER NAME = paul
PLOT SCALE = 200.0000' / IN.
PLOT DATE = 6/29/2010

DESIGNED - JWS
DRAWN - PDB
CHECKED - BRM
DATE - 8-22-08

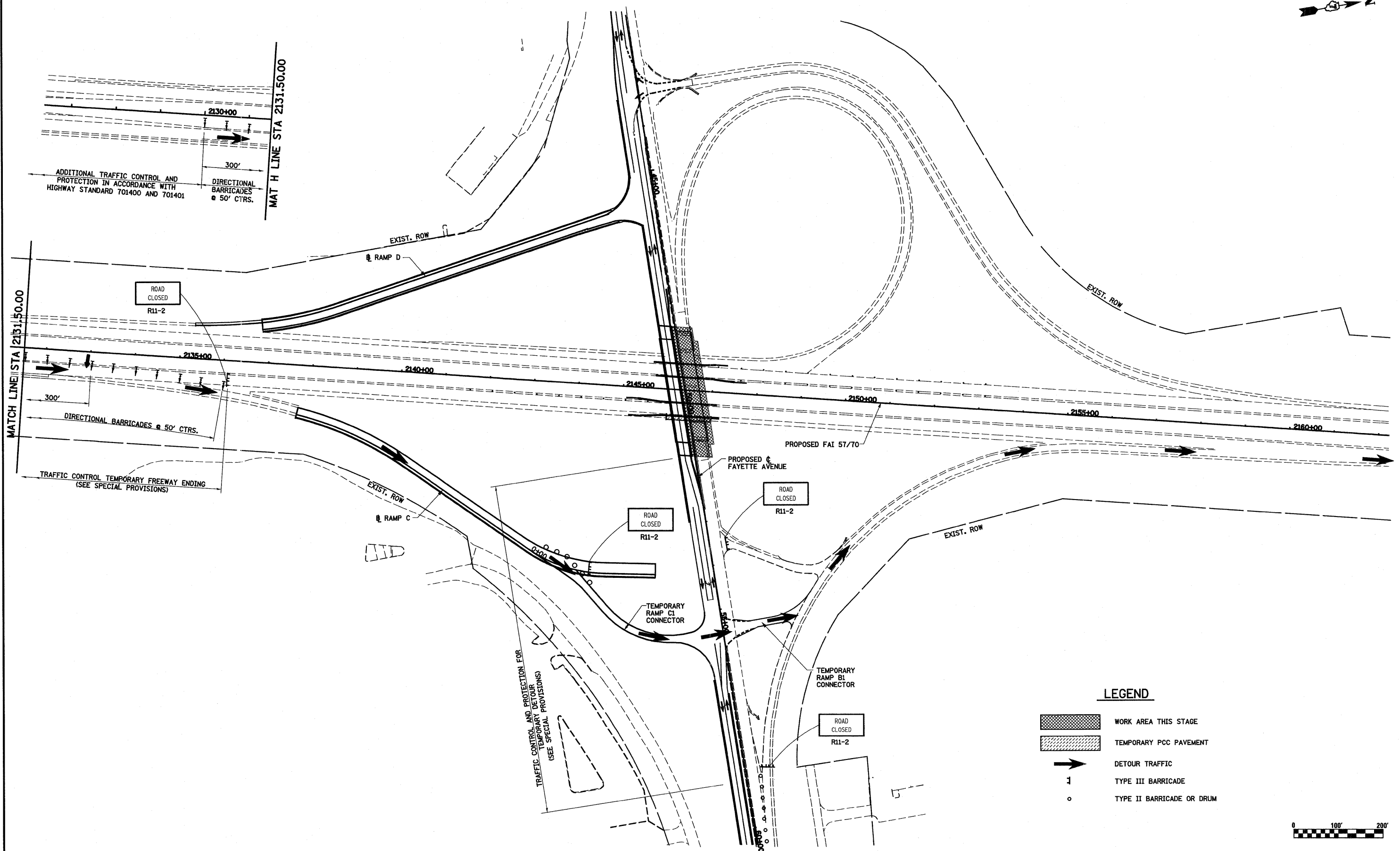
REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


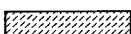



PRE-STAGE 2 DETOUR, GENERAL LAYOUT

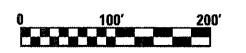
SCALE: 1"=100' SHEET NO. 3 OF 5 SHEETS STA. 2124+23.58 TO STA. 2162+72.98

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-3)I-6	EFFINGHAM	839	289
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 74293	



LEGEND

-  WORK AREA THIS STAGE
-  TEMPORARY PCC PAVEMENT
-  DETOUR TRAFFIC
-  TYPE III BARRICADE
-  TYPE II BARRICADE OR DRUM



FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRE-STAGE 2 DETOUR, GENERAL LAYOUT	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Project\1403-00072-57-70\dgn\Fayette\mtr-SL.dgn		DRAWN - PDB	REVISED -			57/70	(25-3)1-6	EFFINGHAM	839	290	
PLOT SCALE = 200.0000 "/ IN.		CHECKED - BRM	REVISED -			CONTRACT NO. 74293					
PLOT DATE = 6/29/2018		DATE - 8-22-08	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
					SCALE: 1"=100'	SHEET NO. 4 OF 5 SHEETS	STA. 2124+23.58 TO STA. 2162+72.98				