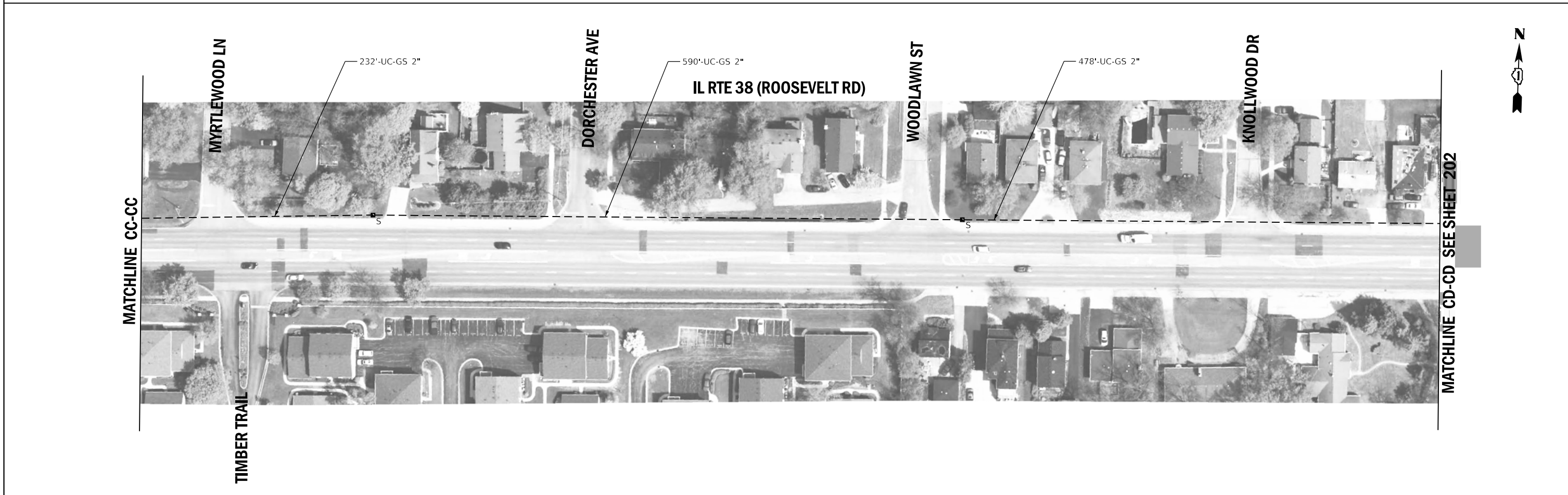
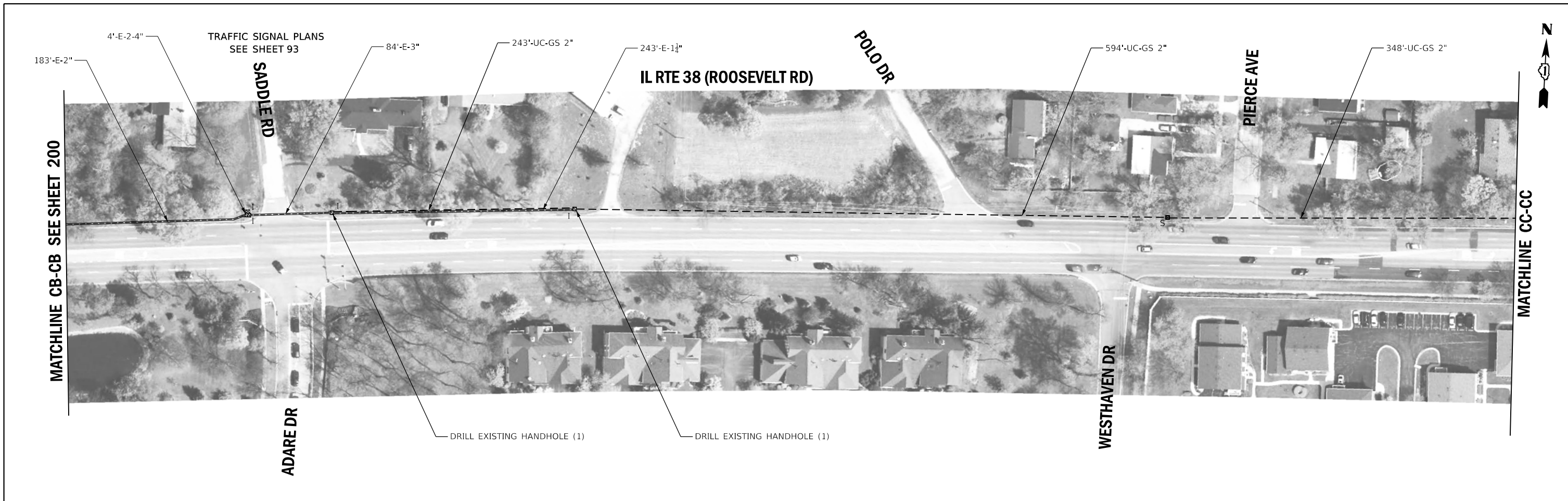


TS SHT NO. 193



	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN IL RTE 38 (ROOSEVELT RD)			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -		VAR.	17-DCCSS-01-TL	DUPAGE	277	201			
PLOT DATE = 8/28/2018	DATE -	REVISED -	SCALE: 1"=50' SHEET 44 OF 81 SHEETS STA. TO STA.			CONTRACT NO. 61F05						
ILLINOIS FED. AID PROJECT												

FILE NAME = pw:\PW1.dzcorp.com\DLZ\Documents\Projects\2017\1782\2130\WO2_Centracs_Expansion\1\CADD_Sheets\Sht-ts-Int065.dgn
Default

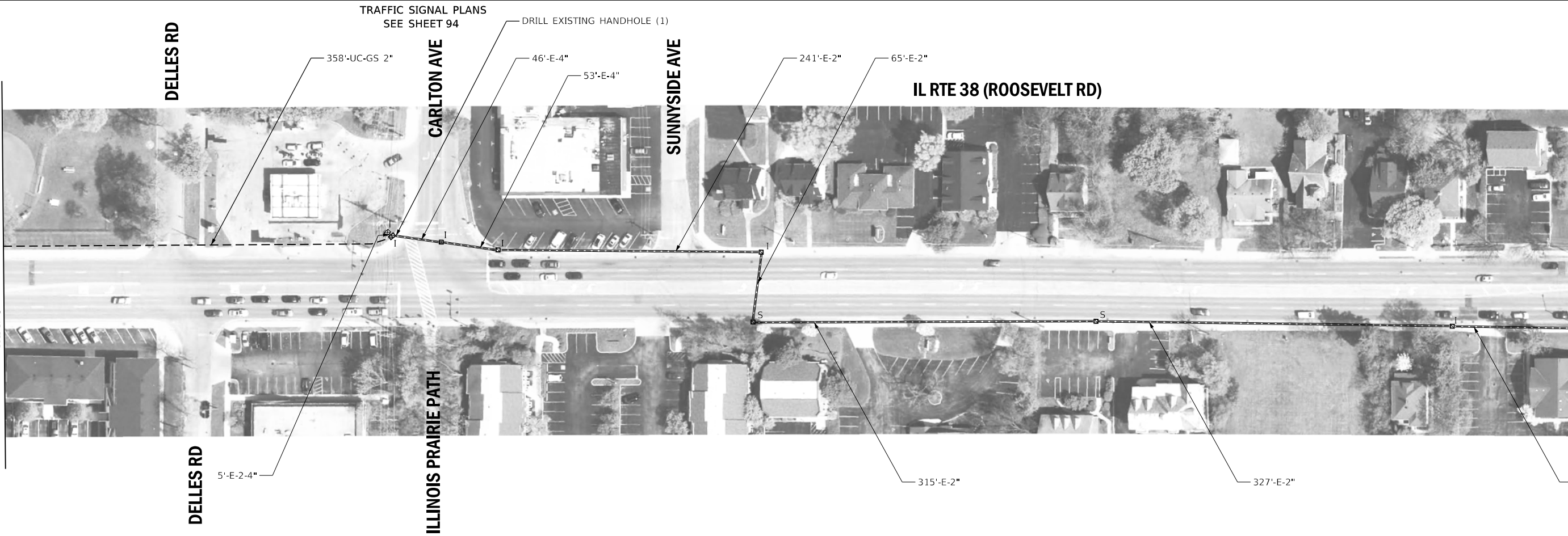
MATCHLINE CD-CD SEE SHEET 201



MATCHLINE CE-CE



MATCHLINE CE-CE



MATCHLINE CF-CF SEE SHEET 203



TS SHT NO. 194



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
	DATE -	REVISED -

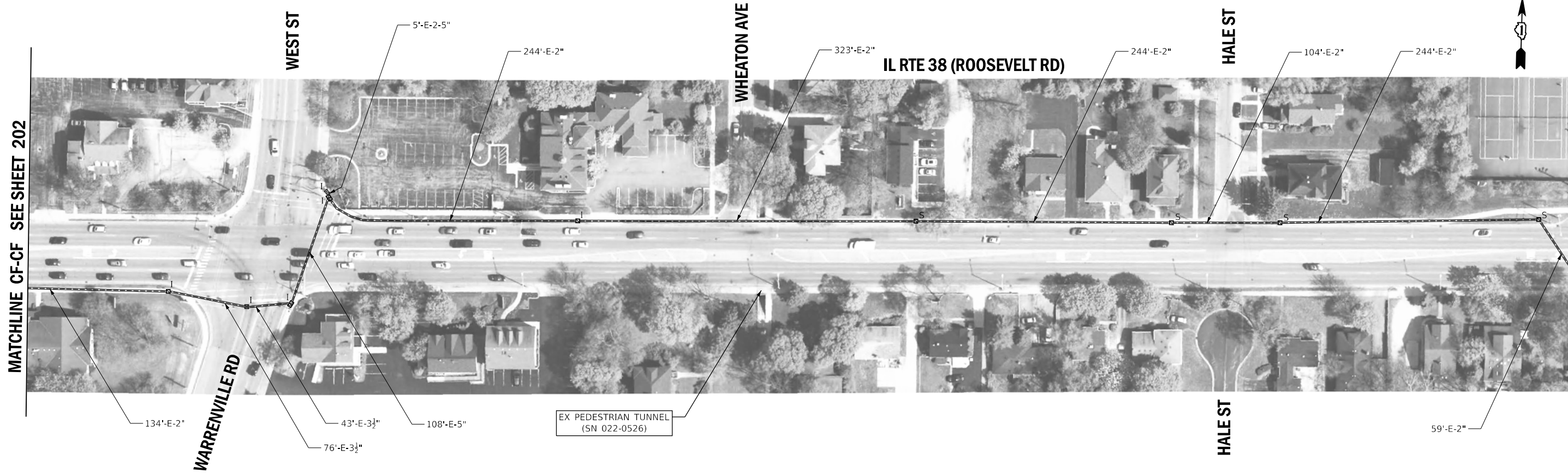
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
IL RTE 38 (ROOSEVELT RD)

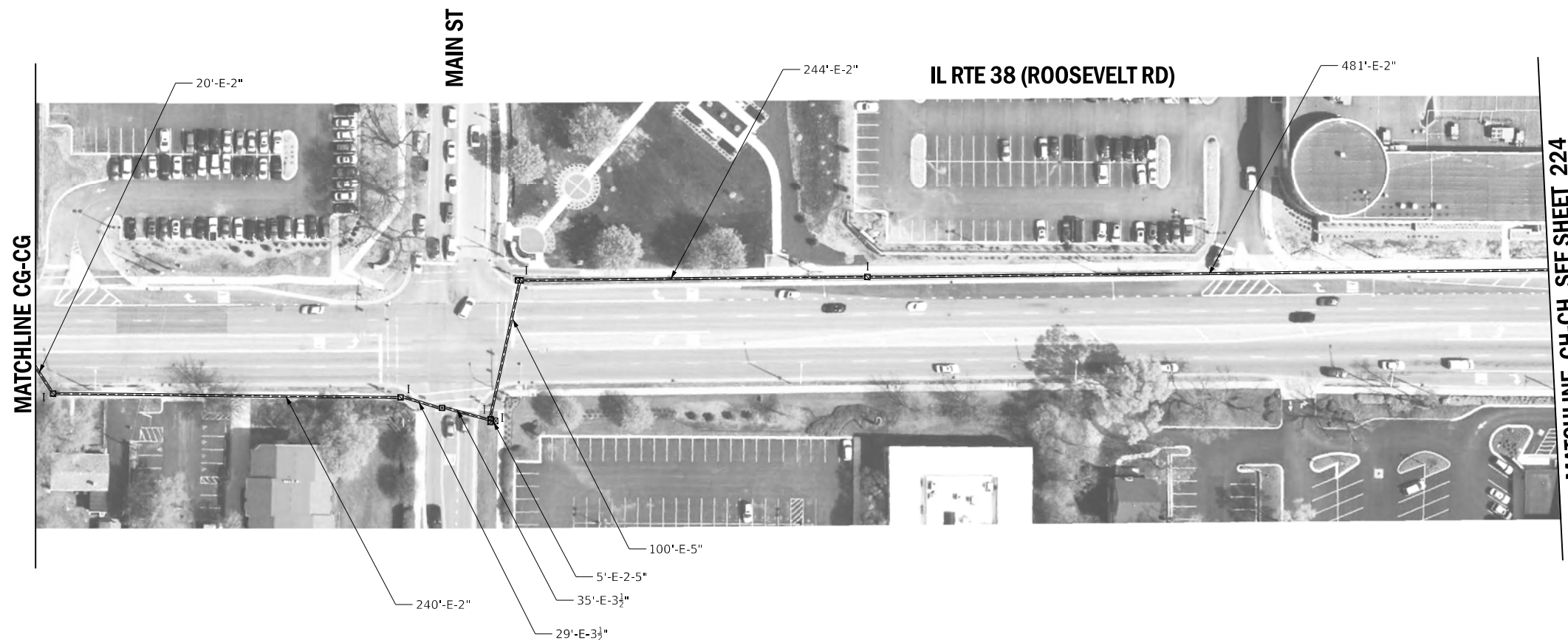
SCALE: 1"=50' SHEET 45 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	202
CONTRACT NO.			61F05	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL PLANS
SEE SHEET 95



TRAFFIC SIGNAL PLANS
SEE SHEET 96



TS SHT NO. 195



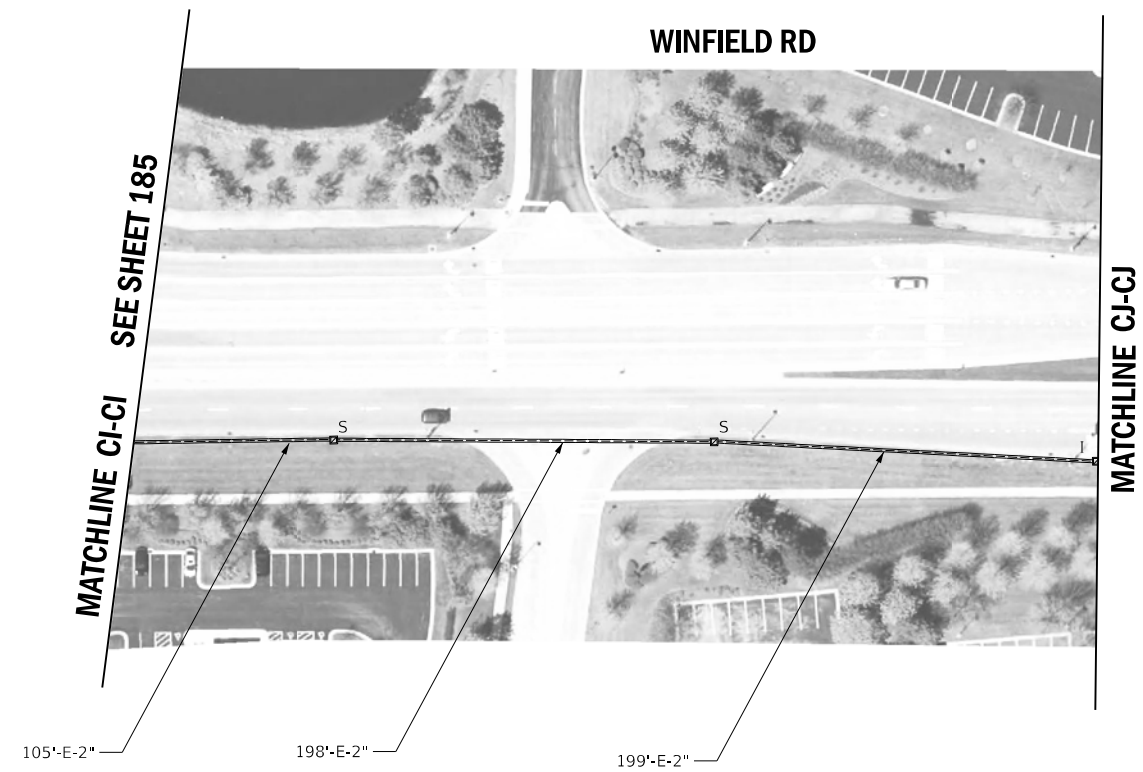
USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
IL RTE 38 (ROOSEVELT RD)

SCALE: 1"=50' SHEET 46 OF 81 SHEETS STA. TO STA.

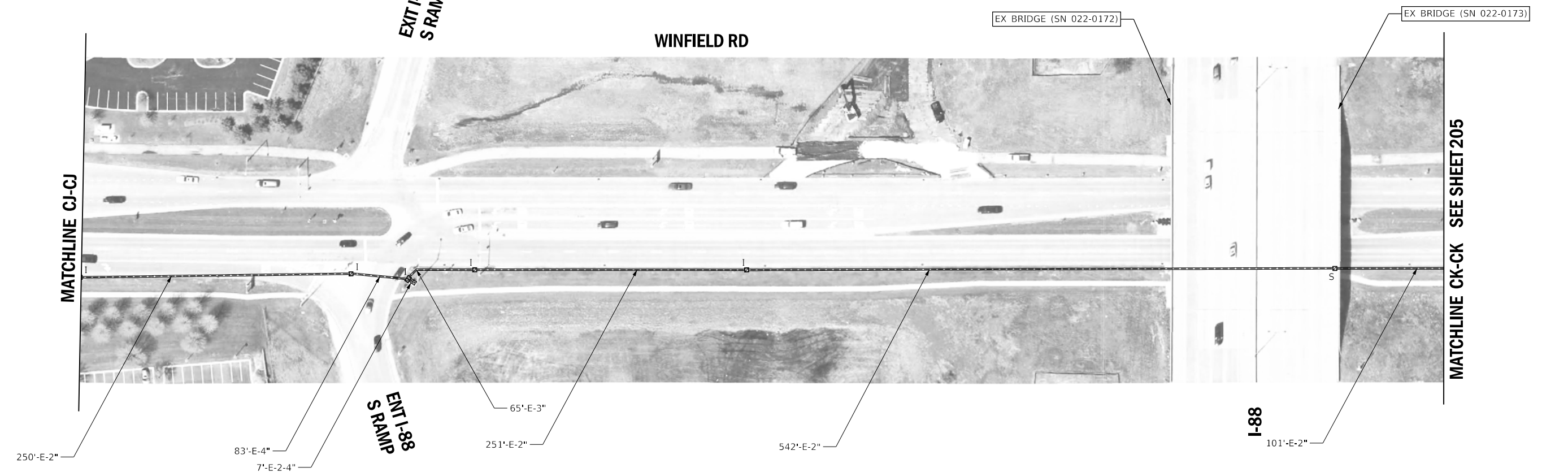
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	203
CONTRACT NO.			61F05	
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL PLANS
SEE SHEET 98

**EXIT I-88
S RAMP**

WINFIELD RD



**EXIT I-88
S RAMP**

TS SHT NO. 196



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
WINFIELD RD

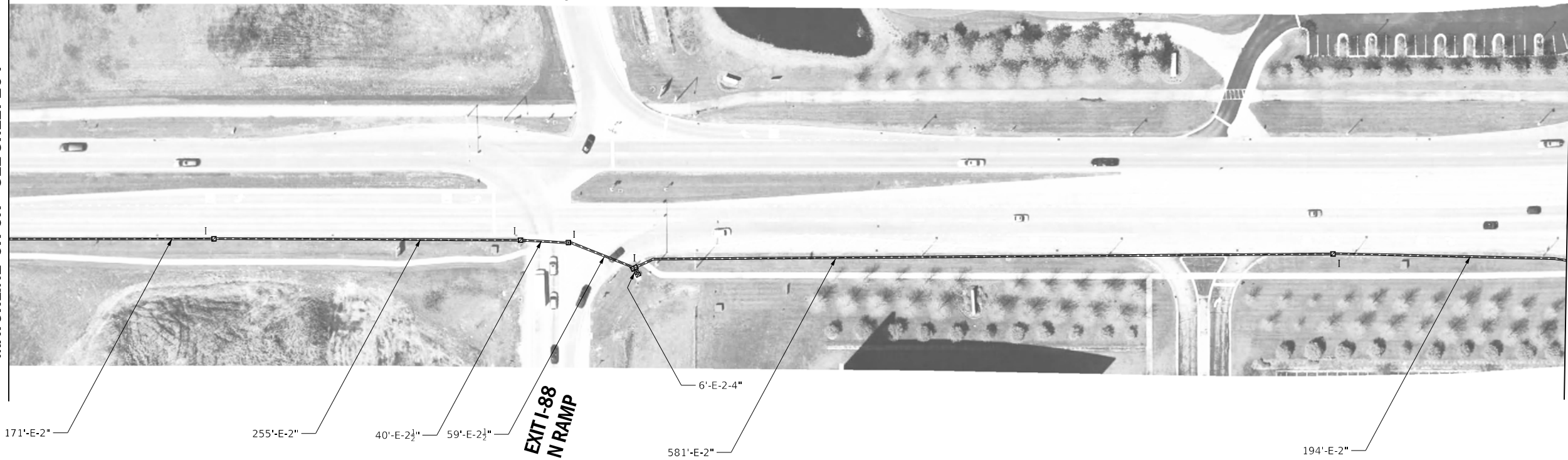
SCALE: 1"=50' SHEET 47 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	204
			CONTRACT NO. 61F05	

TRAFFIC SIGNAL PLANS
SEE SHEET 99



MATCHLINE CK-CK SEE SHEET 204

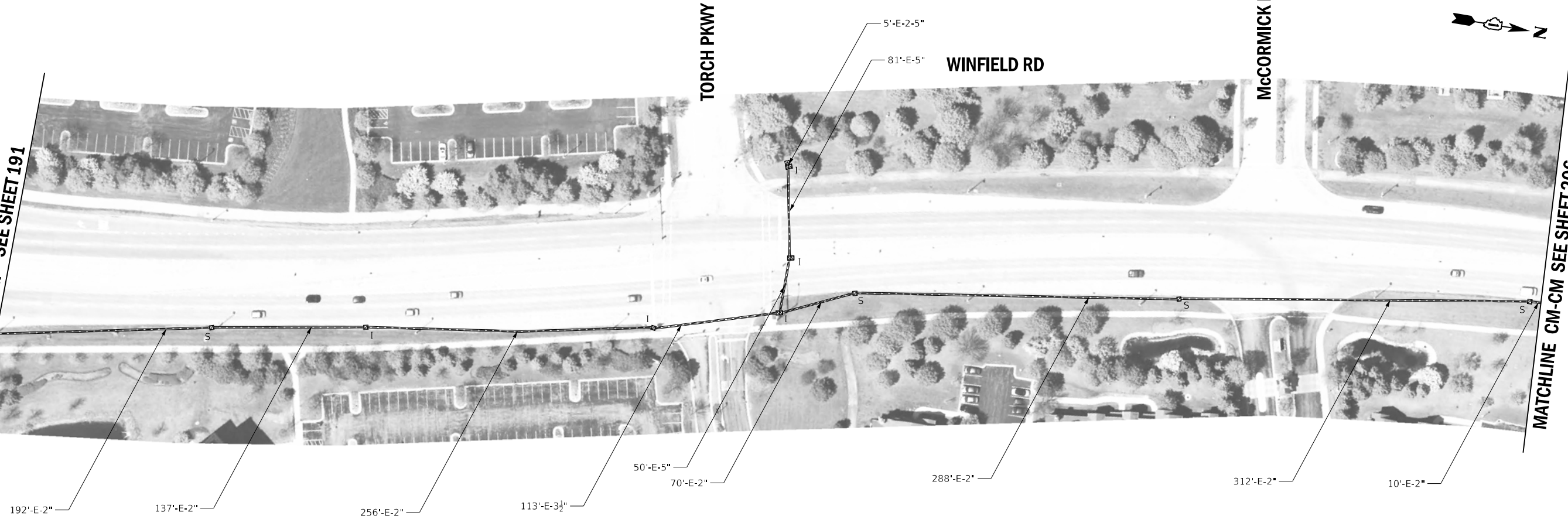


MATCHLINE CL-CL SEE SHEET 191

TRAFFIC SIGNAL PLANS
SEE SHEET 101



MATCHLINE EM-EM SEE SHEET 191



MATCHLINE CM-CM SEE SHEET 206

TS SHT NO. 197



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

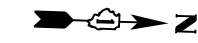
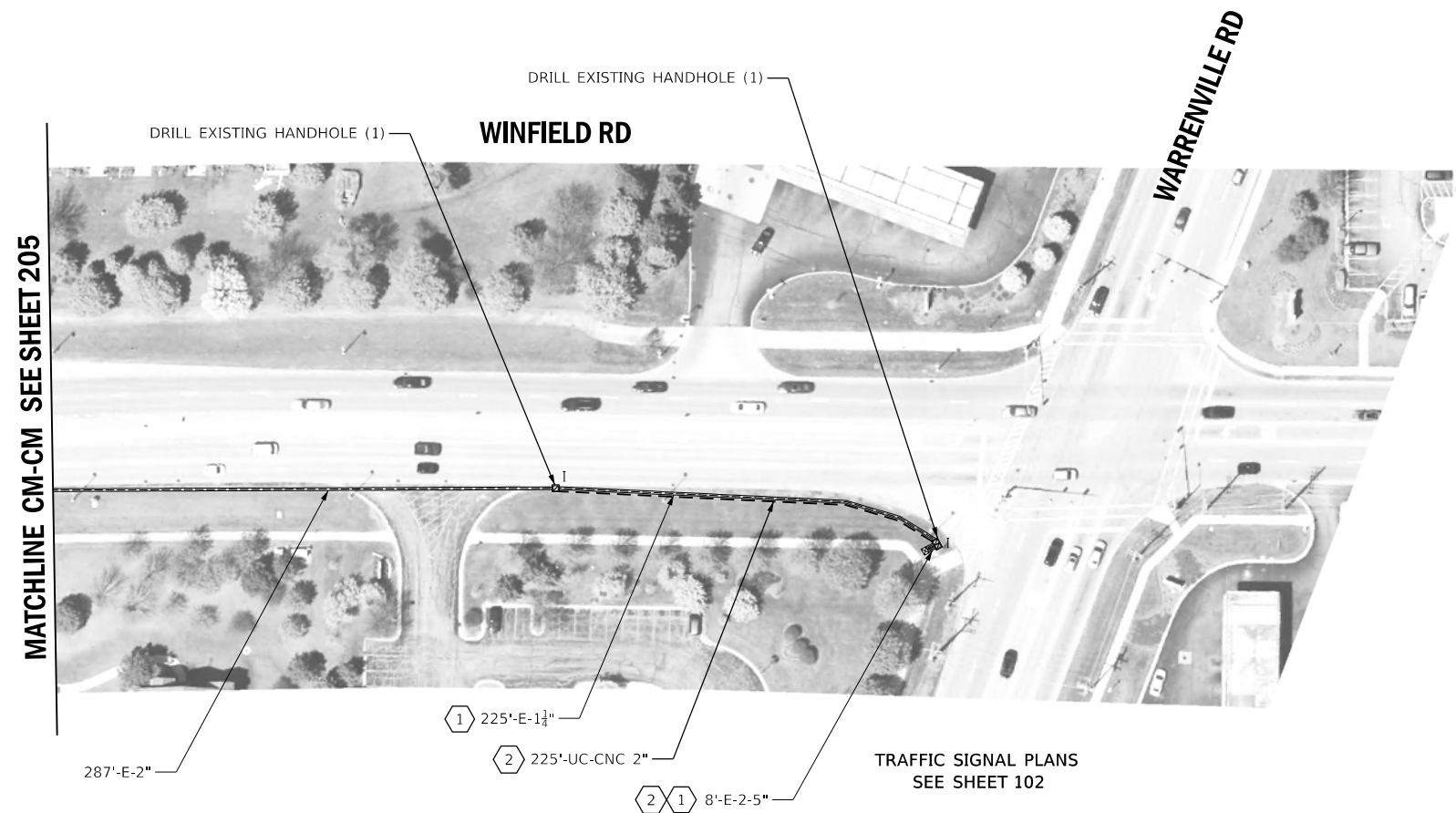
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
WINFIELD RD

SCALE: 1"=50' SHEET 48 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	205
CONTRACT NO. 61F05				
ILLINOIS FED. AID PROJECT				

TS SHT NO. 198

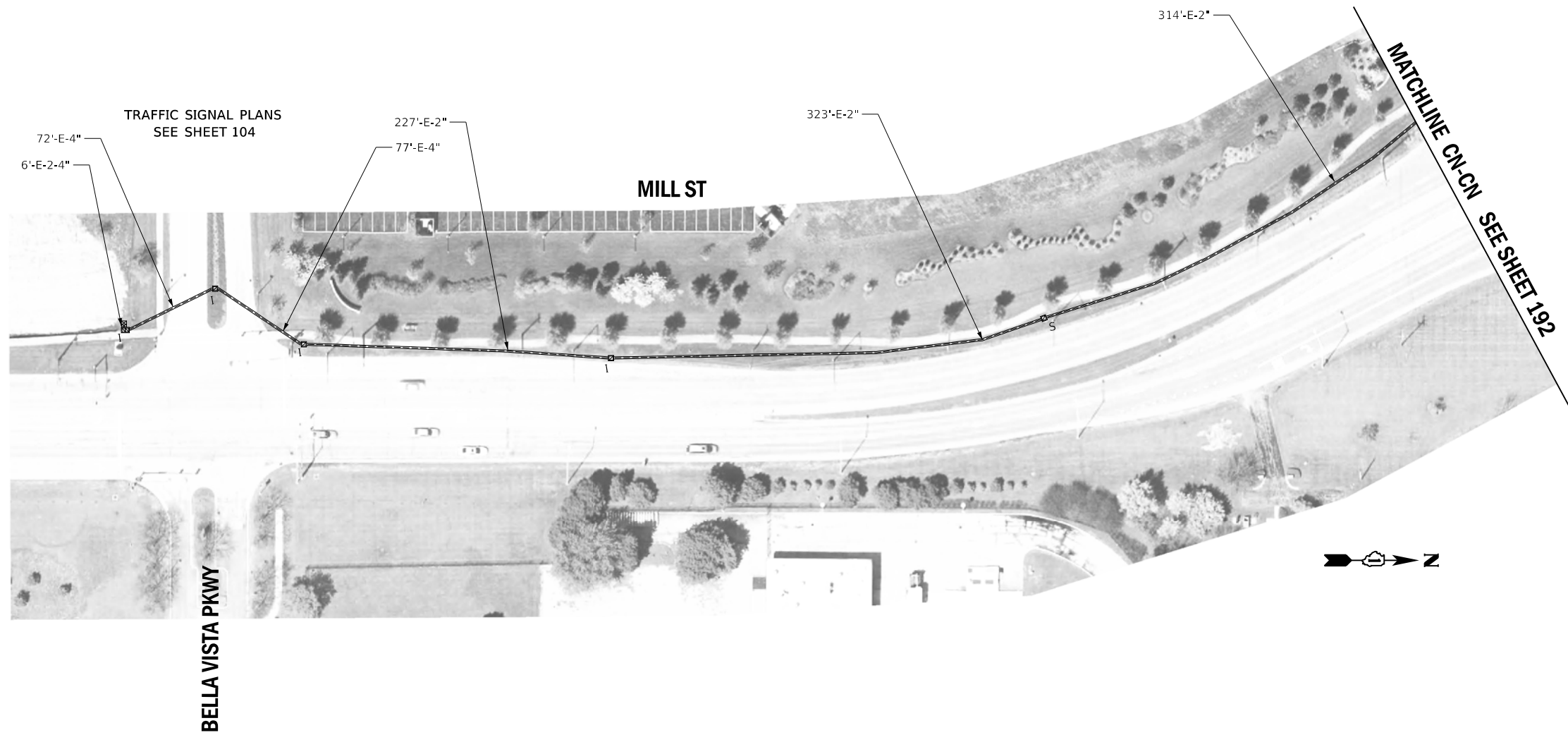


- CONSTRUCTION NOTES:**
- ① THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE IN THE CONTROLLER CABINET AT WARRENVILLE RD AND WINFIELD RD, THEN PULL THE EXISTING FIBER OPTIC CABLE FROM THE EXISTING CONDUIT AND REMOVE THE EXISTING TRACER CABLE.
 - ② THE CONTRACTOR SHALL REINSTALL THE EXISTING FIBER OPTIC CABLE IN THE CONDUIT AND INSTALL PROPOSED FIBER OPTIC CABLE IN THE CONDUIT. NEW TRACER CABLE SHALL BE SPLICED TO THE EXISTING TRACER CABLE AT THE HANDHOLE AND INSTALLED TO THE CONTROLLER CABINET.

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN WINFIELD RD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -		VAR.	17-DCCSS-01-TL	DUPAGE	277	206			
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -			SCALE: 1"=50' SHEET 49 OF 81 SHEETS STA. TO STA.			CONTRACT NO. 61F05				
	DATE -	REVISED -			ILLINOIS FED. AID PROJECT							

FILE NAME = pw:\PW1.dzcorp.com\DLZ\Documents\Projects\2017\1782\2130\WO3_Centracs_Expansion\2\CADD_Sheets\Sht-ts-Int-w011.dgn
Default

TS SHT NO. 199



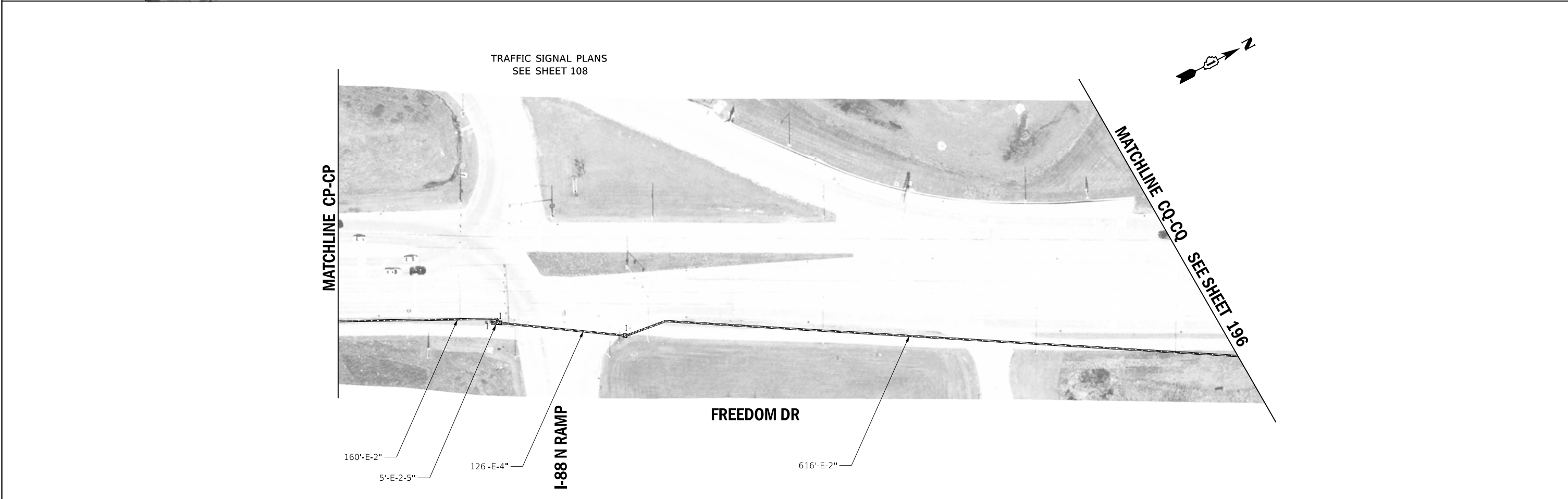
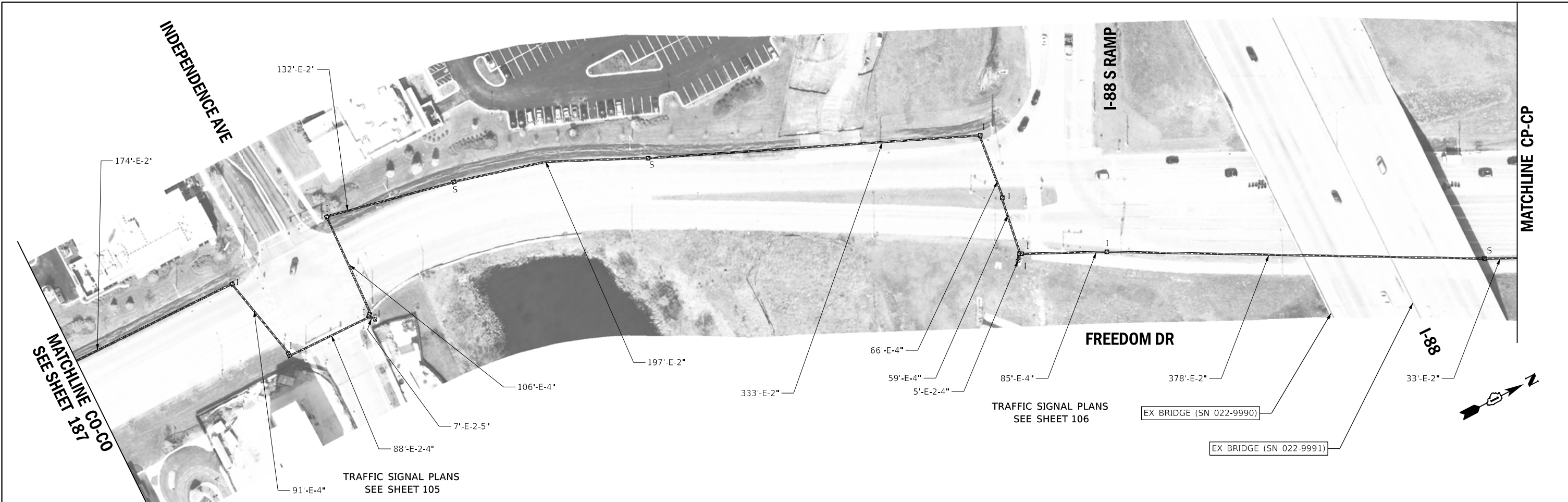
DLZ	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN MILL ST			
SCALE: 1"=50'	SHEET 50	OF 81 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	207
CONTRACT NO.			61F05	
ILLINOIS		FED. AID PROJECT		

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Default



TS SHT NO. 200

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN FREEDOM DR			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -					VAR.	17-DCCSS-01-TL	DUPAGE	277	208
	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -		SCALE: 1"=50'	SHEET 51	OF 81 SHEETS	STA.	TO STA.	CONTRACT NO. 61F05		
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

FILE NAME = p:\PW1.dzcorp.com\DLZ\Documents\Projects\2017\1782\2130\WO2_Centracs_Expansion\1\CADD_Sheets\Sht-ts-Int057.dgn
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TS SHT NO. 201



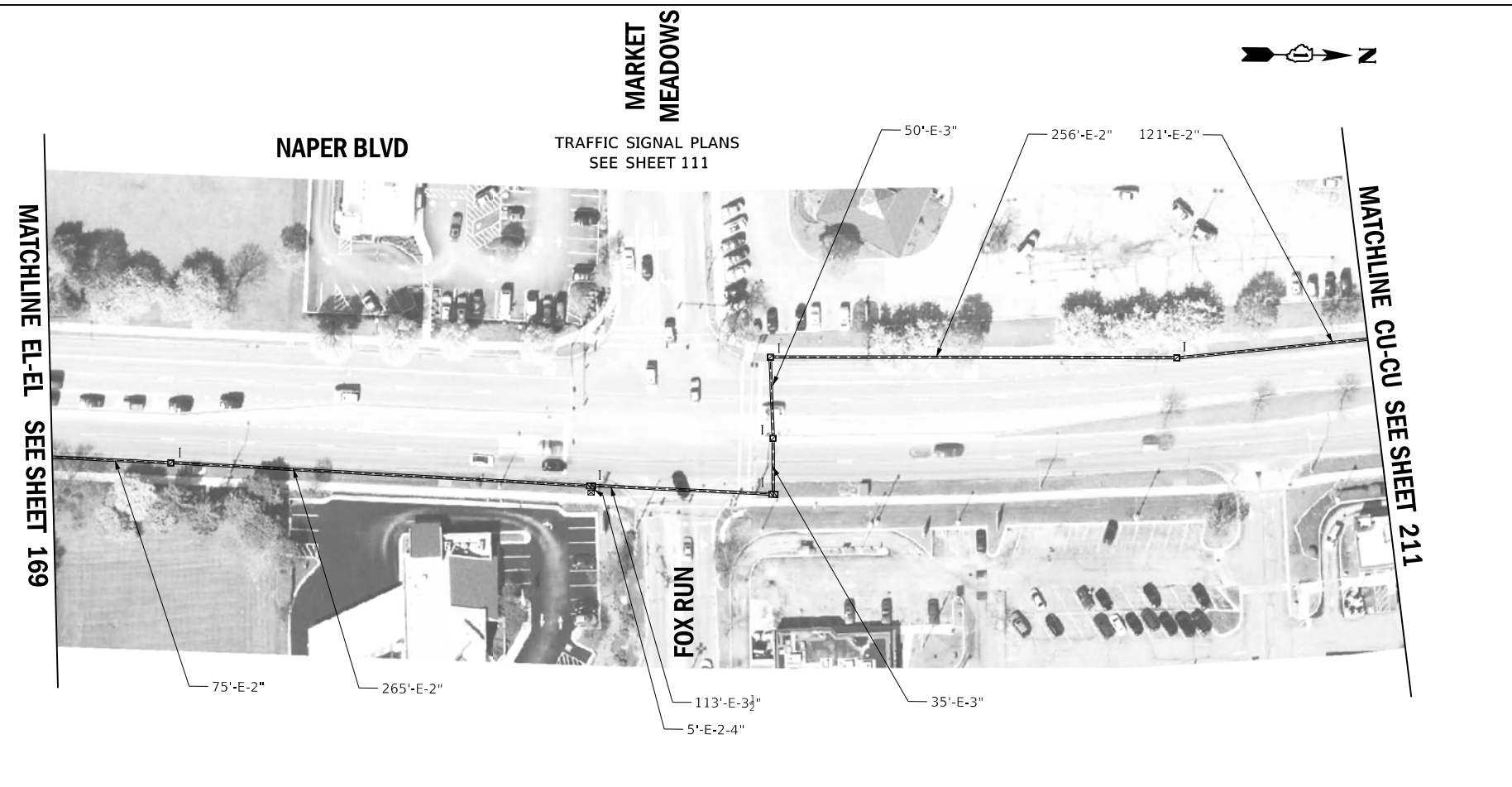
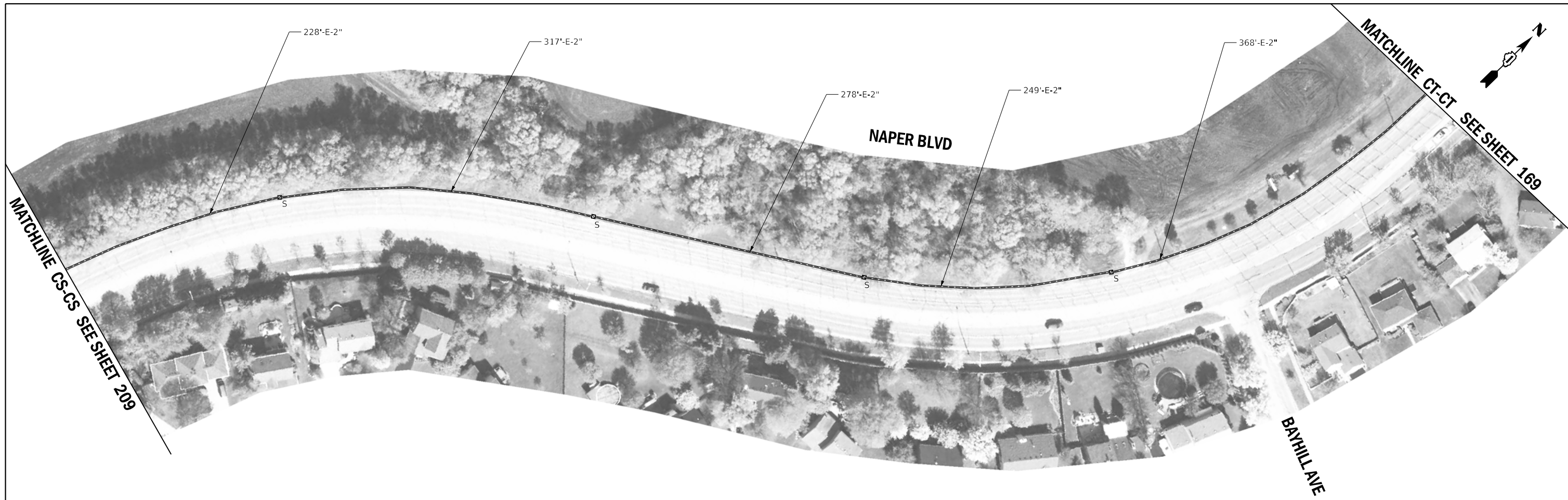
USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
NAPER BLVD

SCALE: 1"=50' SHEET 52 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	209
CONTRACT NO.			61F05	
ILLINOIS FED. AID PROJECT				



TS SHT NO. 202

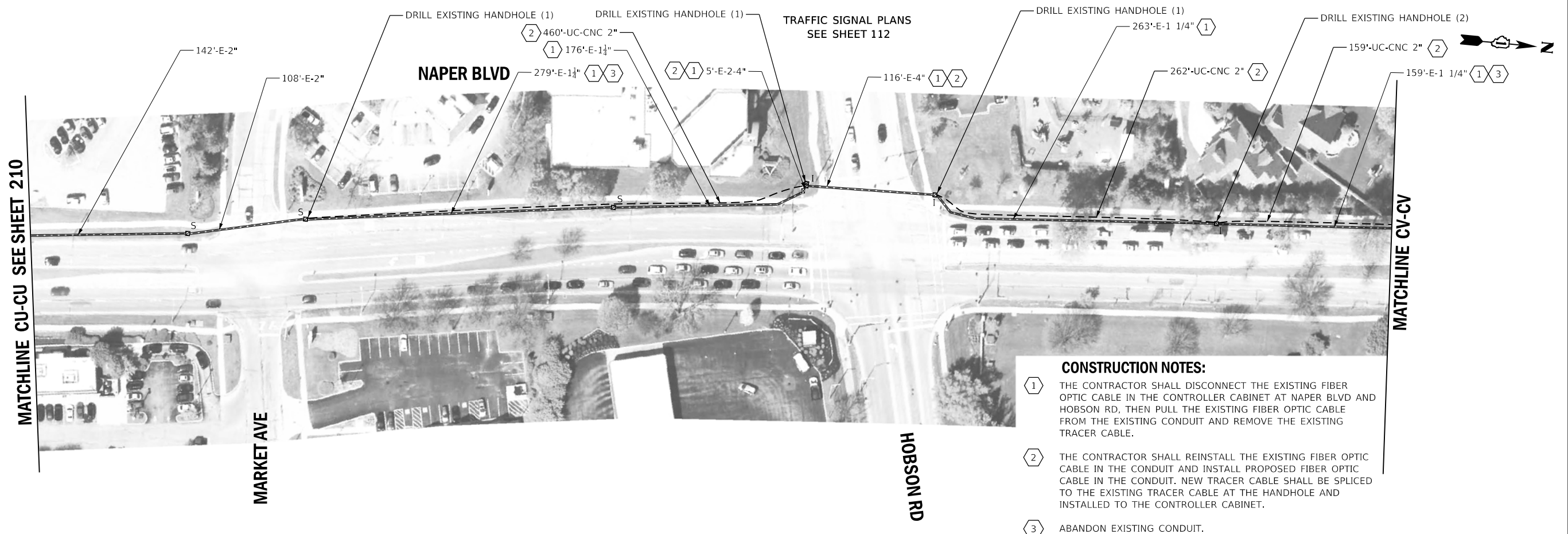
	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
NAPER BLVD

SCALE: 1"=50' SHEET 53 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	210
CONTRACT NO. 61F05				
ILLINOIS		FED. AID PROJECT		

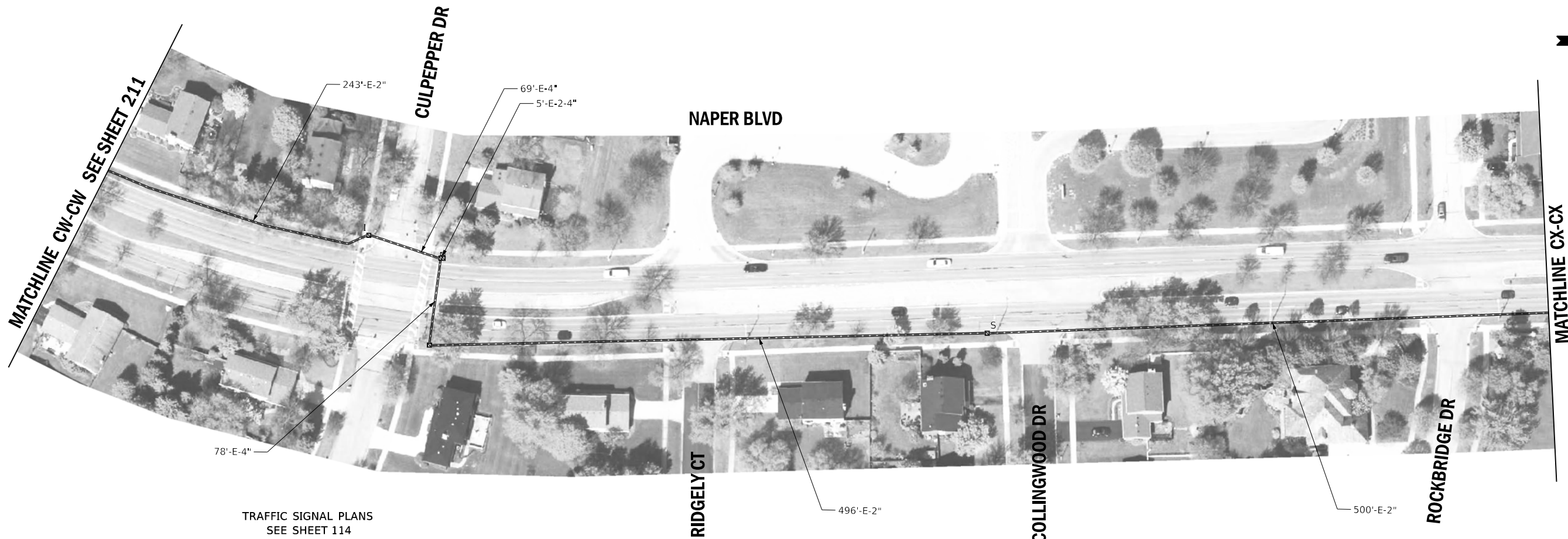


- CONSTRUCTION NOTES:**
- ① THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE IN THE CONTROLLER CABINET AT NAPER BLVD AND HOBSON RD, THEN PULL THE EXISTING FIBER OPTIC CABLE FROM THE EXISTING CONDUIT AND REMOVE THE EXISTING TRACER CABLE.
 - ② THE CONTRACTOR SHALL REINSTALL THE EXISTING FIBER OPTIC CABLE IN THE CONDUIT AND INSTALL PROPOSED FIBER OPTIC CABLE IN THE CONDUIT. NEW TRACER CABLE SHALL BE SPLICED TO THE EXISTING TRACER CABLE AT THE HANDHOLE AND INSTALLED TO THE CONTROLLER CABINET.
 - ③ ABANDON EXISTING CONDUIT.



TS SHT NO. 203

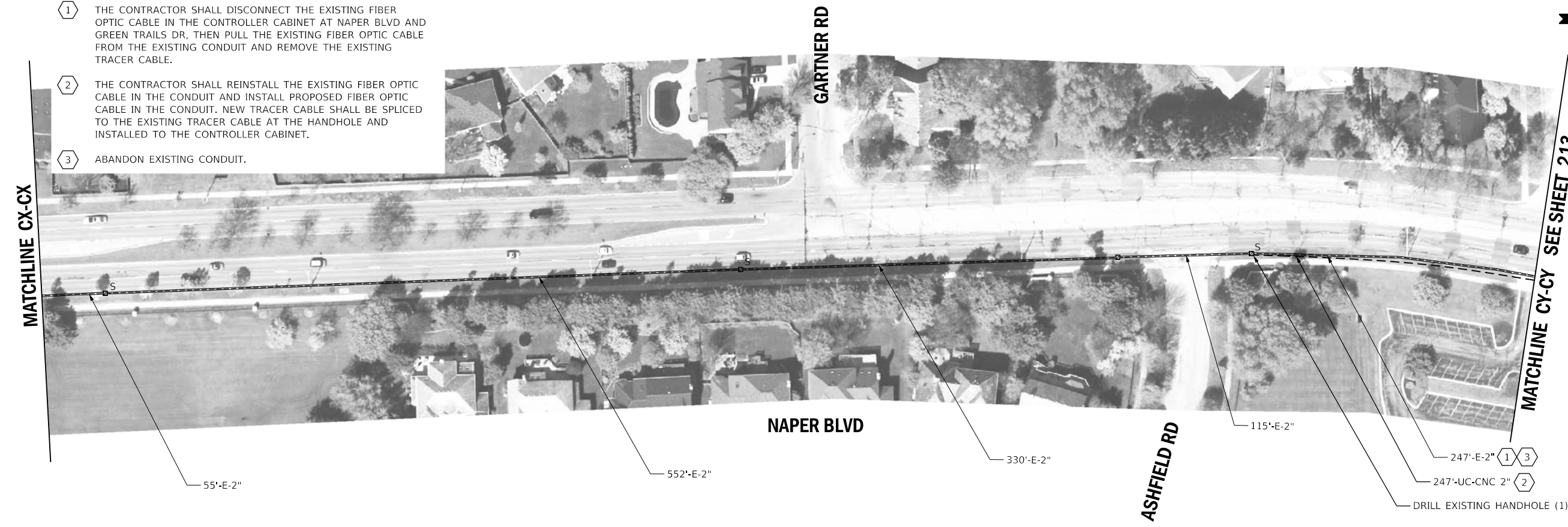
	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN NAPER BLVD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -					VAR.	17-DCCSS-01-TL	DUPAGE	277	211
	PLOT DATE = 8/28/2018	DATE -	REVISED -		SCALE: 1"=50'	SHEET 54	OF 81 SHEETS	STA.	TO STA.	CONTRACT NO. 61F05		
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TRAFFIC SIGNAL PLANS
SEE SHEET 114

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE IN THE CONTROLLER CABINET AT NAPER BLVD AND GREEN TRAILS DR, THEN PULL THE EXISTING FIBER OPTIC CABLE FROM THE EXISTING CONDUIT AND REMOVE THE EXISTING TRACER CABLE.
- 2 THE CONTRACTOR SHALL REINSTALL THE EXISTING FIBER OPTIC CABLE IN THE CONDUIT AND INSTALL PROPOSED FIBER OPTIC CABLE IN THE CONDUIT. NEW TRACER CABLE SHALL BE SPLICED TO THE EXISTING TRACER CABLE AT THE HANDHOLE AND INSTALLED TO THE CONTROLLER CABINET.
- 3 ABANDON EXISTING CONDUIT.



- 1 3
- 2
- DRILL EXISTING HANDHOLE (1)

TS SHT NO. 204



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
NAPER BLVD

SCALE: 1"=50' SHEET 55 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	212
CONTRACT NO. 61F05				
ILLINOIS FED. AID PROJECT				

FILE NAME = pw:\PW1.dzcorp.com\DLZ\Documents\Projects\2017\1782\2130\W02_Centracs_Expansion\1\CADD_Sheets\Sht-ts-Int039.dgn Default

CHESTERFIELD AVE
MATCHLINE CY-CY SEE SHEET 212



- CONSTRUCTION NOTES:**
- ① THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE IN THE CONTROLLER CABINET AT NAPER BLVD AND GREEN TRAILS DR, THEN PULL THE EXISTING FIBER OPTIC CABLE FROM THE EXISTING CONDUIT AND REMOVE THE EXISTING TRACER CABLE.
 - ② THE CONTRACTOR SHALL REINSTALL THE EXISTING FIBER OPTIC CABLE IN THE CONDUIT AND INSTALL PROPOSED FIBER OPTIC CABLE IN THE CONDUIT. NEW TRACER CABLE SHALL BE SPLICED TO THE EXISTING TRACER CABLE AT THE HANDHOLE AND INSTALLED TO THE CONTROLLER CABINET.
 - ③ ABANDON EXISTING CONDUIT.

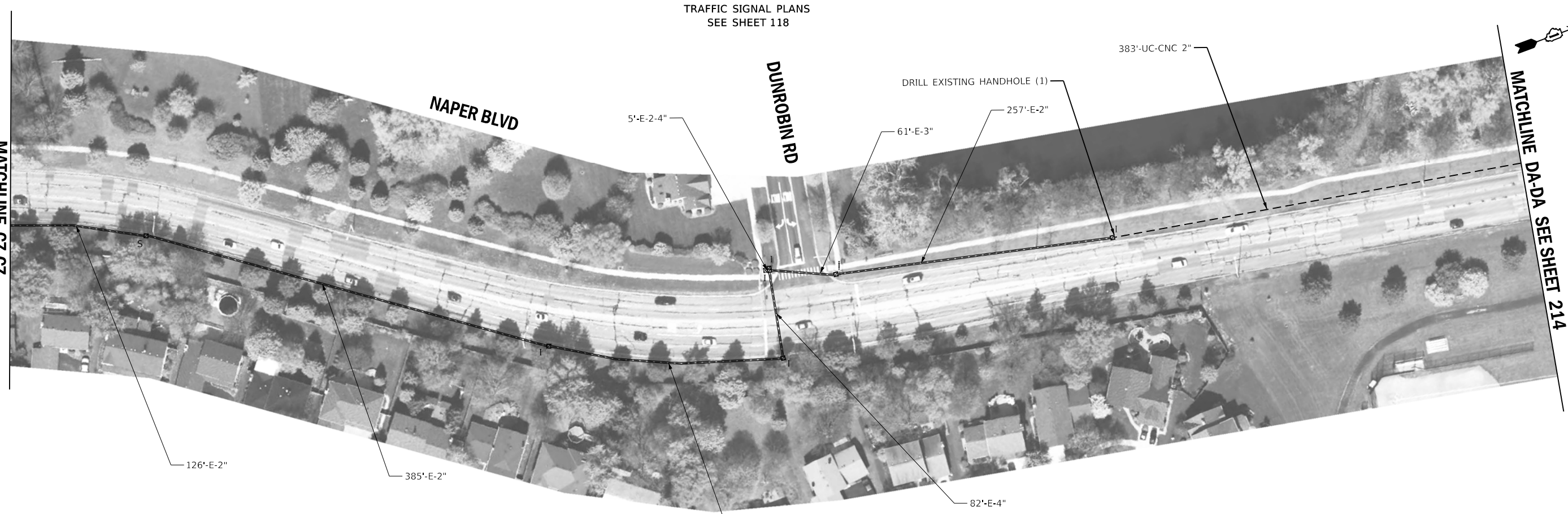


MATCHLINE CZ-CZ

5'-E-2-4" ① ②
87'-E-3" ① ②
NAPER BLVD
DEEP RUN RD
396'-E-2"
74'-E-2 1/2" ① ②
570'-E-2"
TRAFFIC SIGNAL PLANS SEE SHEET 116
364'-UC-CNC 2" ②
130'-E-2" ① ③
237'-E-1 1/2" ①
DRILL EXISTING HANDHOLE (1)

TS SHT NO. 205

MATCHLINE CZ-CZ



MATCHLINE DA-DA SEE SHEET 214

TRAFFIC SIGNAL PLANS SEE SHEET 118
DUNROBIN RD
383'-UC-CNC 2"
DRILL EXISTING HANDHOLE (1)
257'-E-2"
61'-E-3"
5'-E-2-4"
126'-E-2"
385'-E-2"
82'-E-4"
217'-E-2"



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

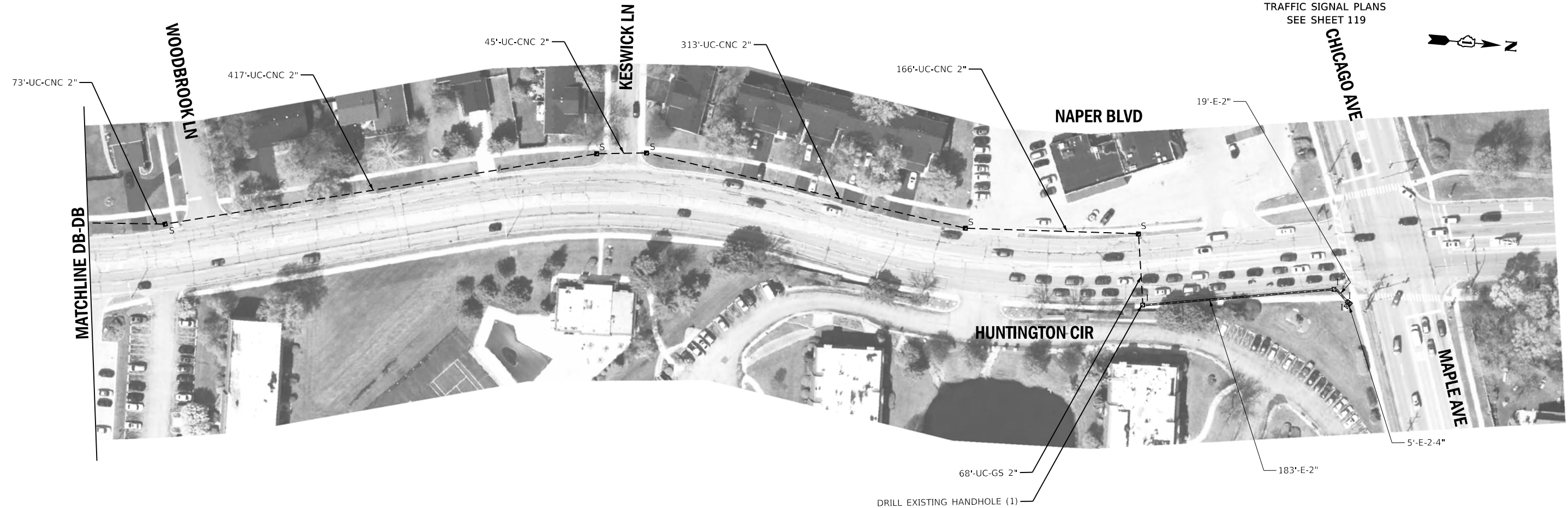
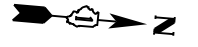
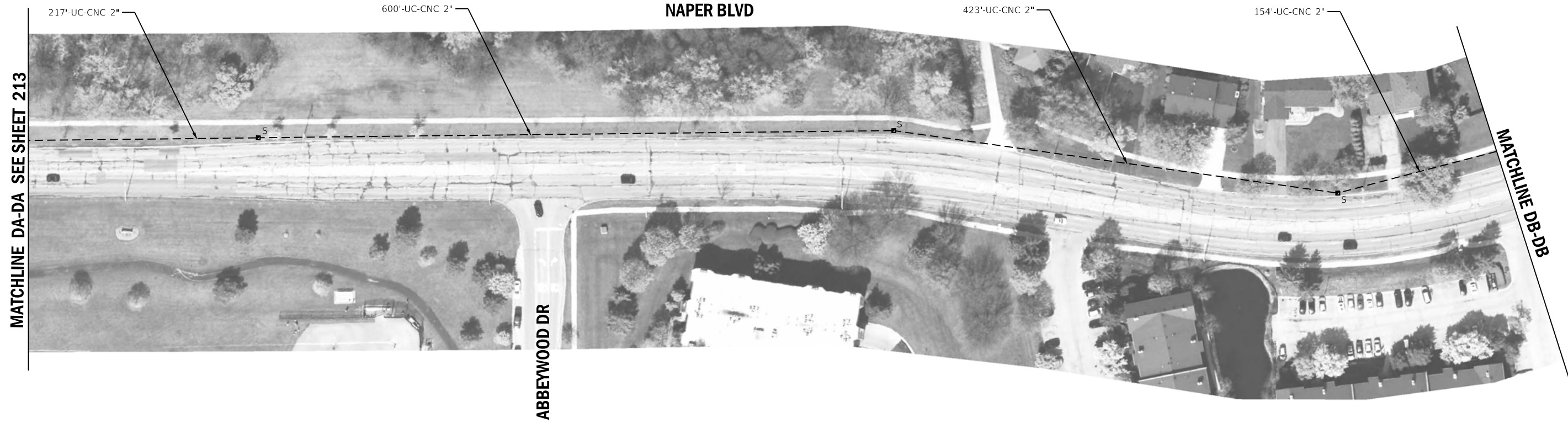
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
NAPER BLVD

SCALE: 1"=50' SHEET 56 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	213
			CONTRACT NO.	61F05
ILLINOIS FED. AID PROJECT				

FILE NAME = pw:\PW1.dlzcorp.com\DLZ\Documents\Projects\2017\1782\2130\WO2_Centracs_Expansion\1\CADD_Sheets\Sht-ts-Int040.dgn Default



TS SHT NO. 206

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -
	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

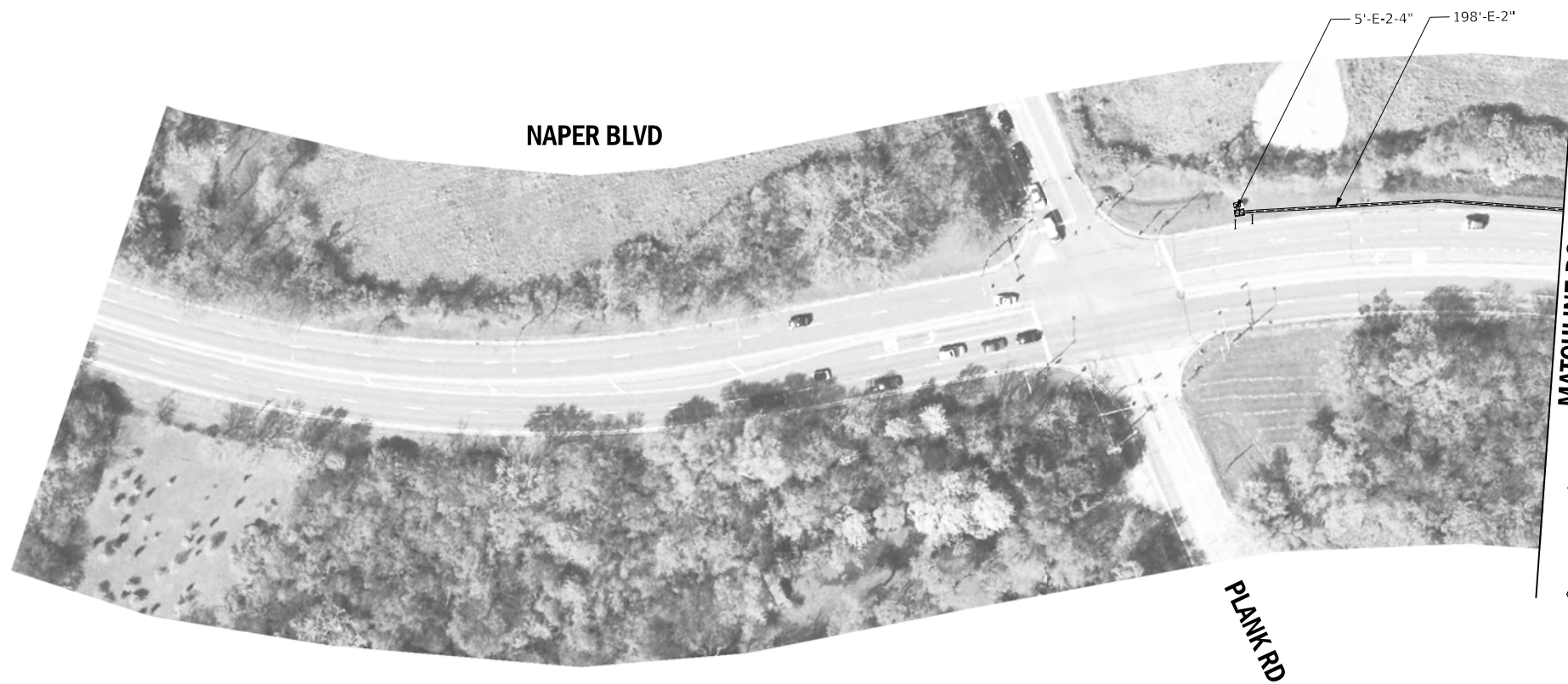
PROPOSED INTERCONNECT PLAN
NAPER BLVD

SCALE: 1"=50' SHEET 57 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	214
			CONTRACT NO. 61F05	
		ILLINOIS	FED. AID PROJECT	

FILE NAME = pw:\PW1\dlzcorp.com\DLZ\Documents\Projects\2017\1782\2130\WO2_Centracs_Expansion\1\CADD_Sheets\Sht-ts-Int041.dgn
Default

TRAFFIC SIGNAL PLANS
SEE SHEET 120

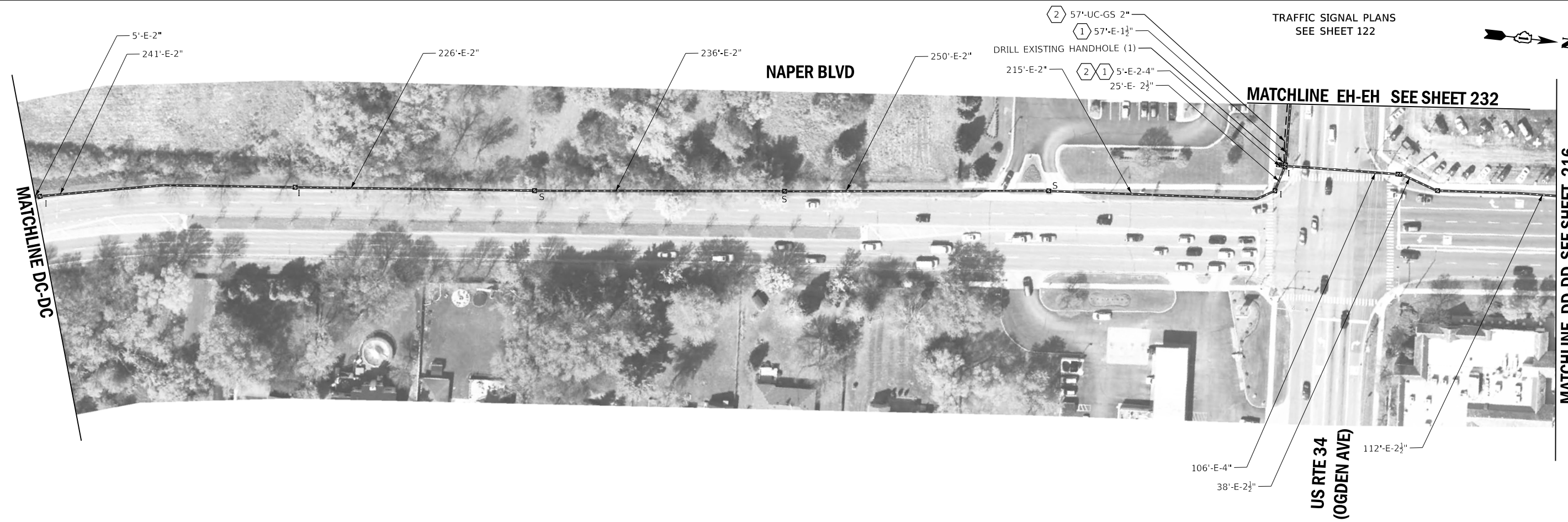


MATCHLINE DC-DC

- CONSTRUCTION NOTES:**
- 1 THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE IN THE CONTROLLER CABINET AT NAPER BLVD AND OGDEN AVE, THEN PULL THE EXISTING FIBER OPTIC CABLE FROM THE EXISTING CONDUIT AND REMOVE THE EXISTING TRACER CABLE.
 - 2 THE CONTRACTOR SHALL REINSTALL THE EXISTING FIBER OPTIC CABLE IN THE CONDUIT AND INSTALL PROPOSED FIBER OPTIC CABLE IN THE CONDUIT. NEW TRACER CABLE SHALL BE SPLICED TO THE EXISTING TRACER CABLE AT THE HANDHOLE AND INSTALLED TO THE CONTROLLER CABINET.

TS SHT NO. 207

TRAFFIC SIGNAL PLANS
SEE SHEET 122



MATCHLINE EH-EH SEE SHEET 232

MATCHLINE DD-DD SEE SHEET 216

US RTE 34
(OGDEN AVE)

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

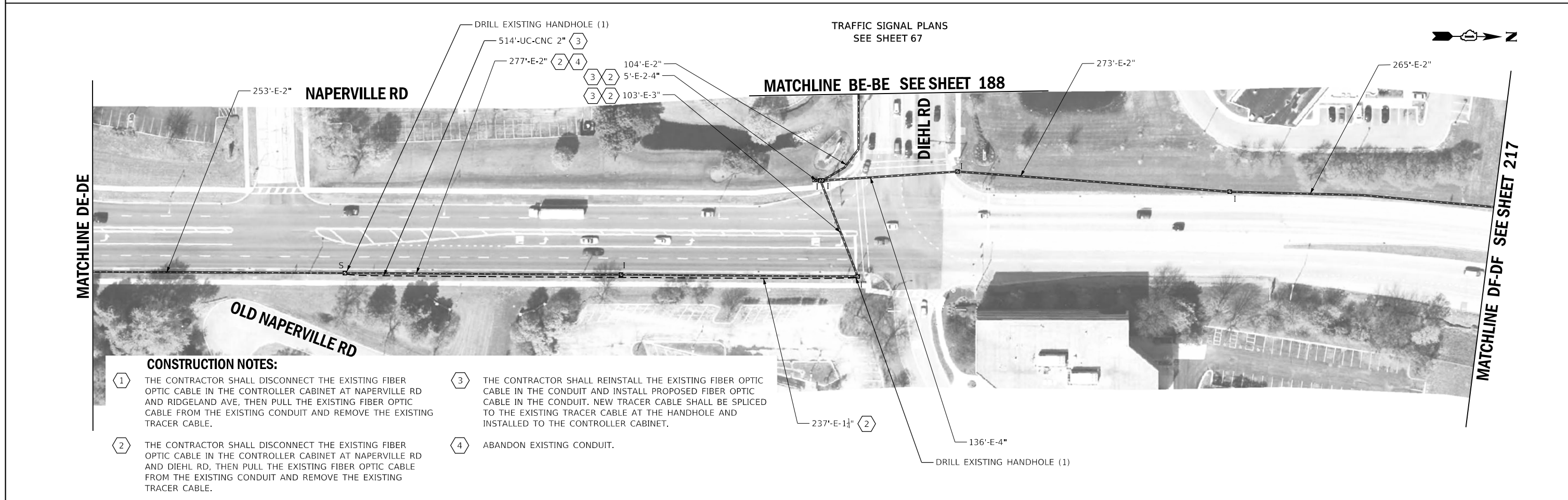
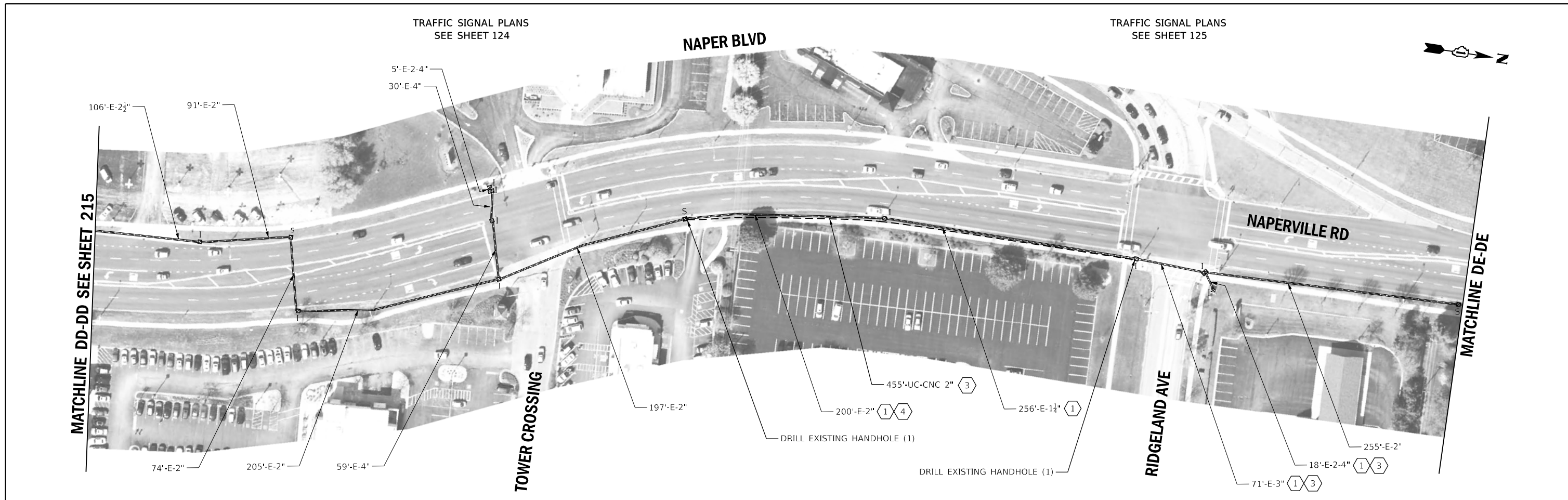
PROPOSED INTERCONNECT PLAN
NAPER BLVD

SCALE: 1"=50' SHEET 58 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	215
CONTRACT NO.			61F05	
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\PW1.dzcorp.com\DLZ\Documents\Projects\2017\1782\2130\W02_Centracs_Expansion\1\CADD_Sheets\Sht-ts-Int044.dgn
Default

TS SHT NO. 208



CONSTRUCTION NOTES:

1 THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE IN THE CONTROLLER CABINET AT NAPERVILLE RD AND RIDGELAND AVE, THEN PULL THE EXISTING FIBER OPTIC CABLE FROM THE EXISTING CONDUIT AND REMOVE THE EXISTING TRACER CABLE.

2 THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE IN THE CONTROLLER CABINET AT NAPERVILLE RD AND DIEHL RD, THEN PULL THE EXISTING FIBER OPTIC CABLE FROM THE EXISTING CONDUIT AND REMOVE THE EXISTING TRACER CABLE.

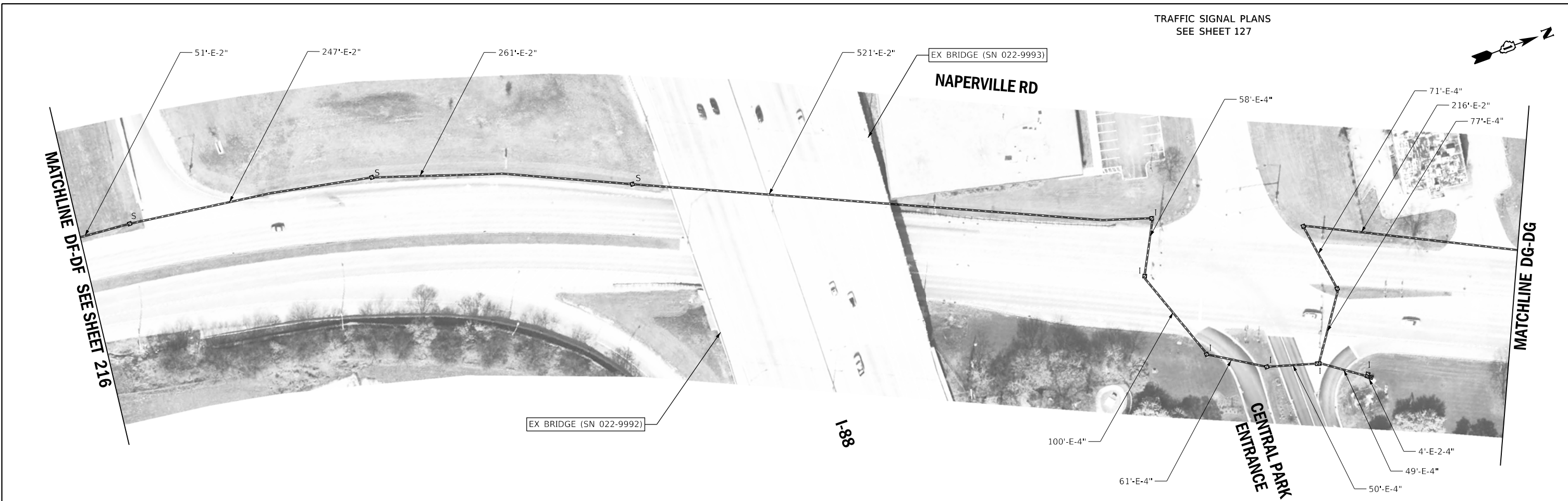
3 THE CONTRACTOR SHALL REINSTALL THE EXISTING FIBER OPTIC CABLE IN THE CONDUIT AND INSTALL PROPOSED FIBER OPTIC CABLE IN THE CONDUIT. NEW TRACER CABLE SHALL BE SPLICED TO THE EXISTING TRACER CABLE AT THE HANDHOLE AND INSTALLED TO THE CONTROLLER CABINET.

4 ABANDON EXISTING CONDUIT.

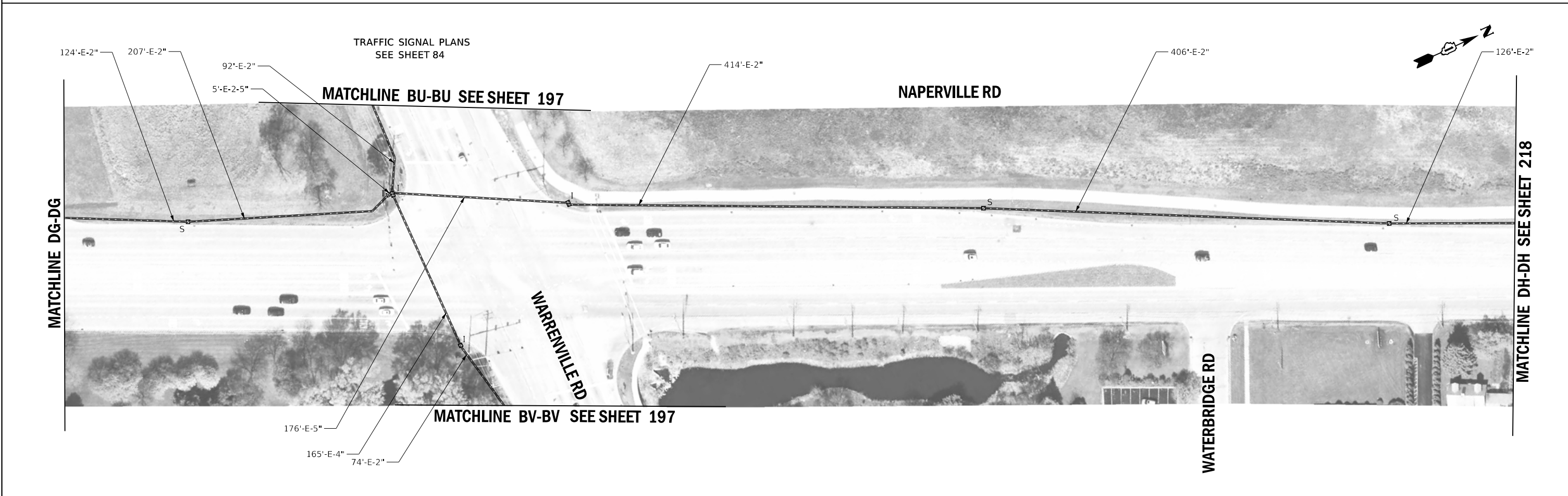
	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN NAPER BLVD/NAPERVILLE RD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,000' / in.	DRAWN - RG	REVISED -					VAR.	17-DCCSS-01-TL	DUPAGE	277	216
	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -		SCALE: 1"=50'	SHEET 59	OF 81 SHEETS	STA.	TO STA.	CONTRACT NO. 61F05		
		DATE -	REVISED -							ILLINOIS FED. AID PROJECT		

FILE NAME = pw:\PW1\dlzcorp.com\DLZ\Documents\Projects\2017\1782\2130\W02_Centracs_Expansion\1\CADD_Sheets\Sh-ts-Int045.dgn
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TRAFFIC SIGNAL PLANS
SEE SHEET 127



TRAFFIC SIGNAL PLANS
SEE SHEET 84



TS SHT NO. 209



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
	DATE -	REVISED -

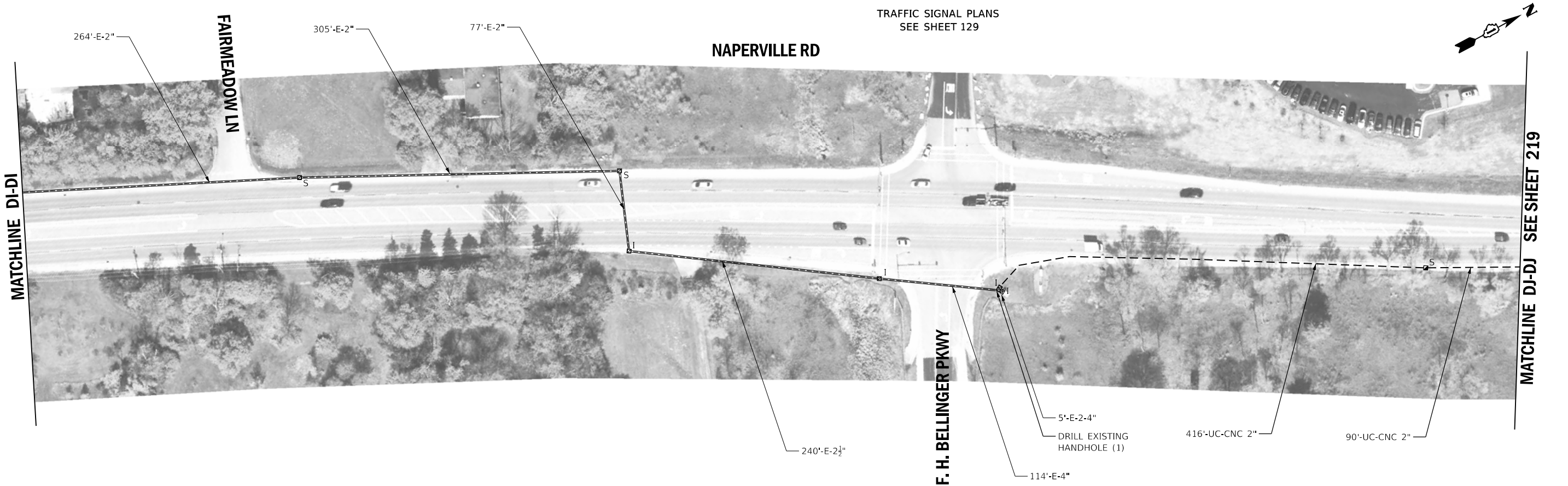
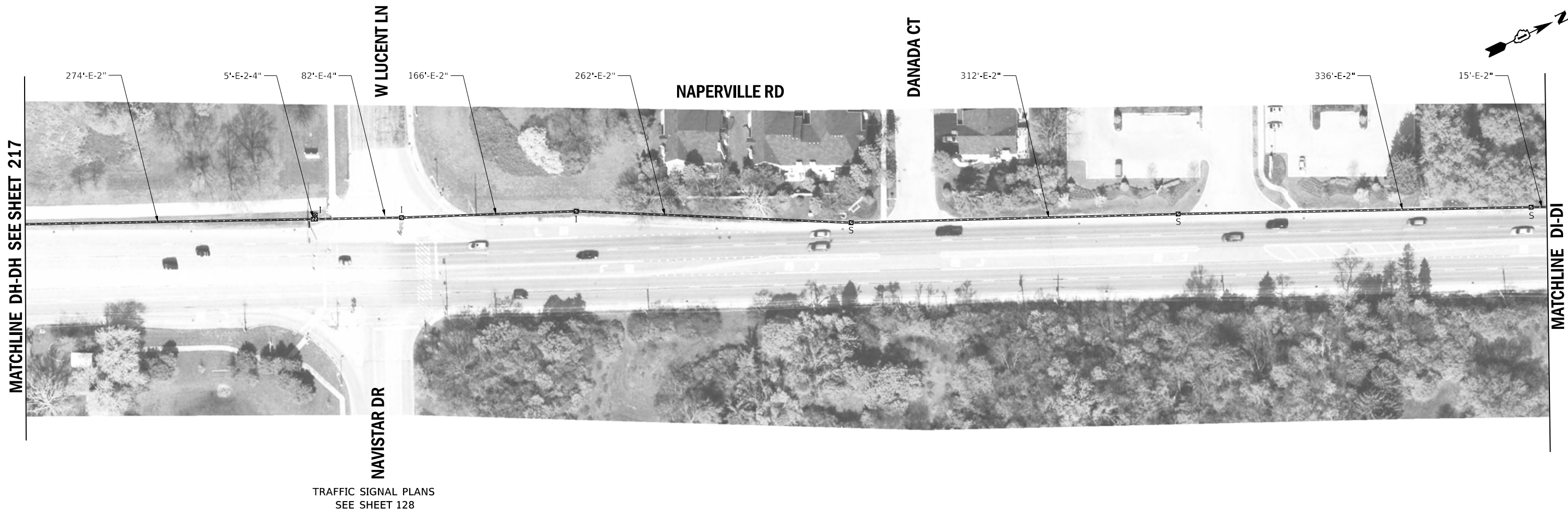
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
NAPERVILLE RD

SCALE: 1"=50' SHEET 60 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	217
CONTRACT NO.			61F05	
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\PW1\dlzcorp.com\DLZ\Documents\Projects\2017\1782\2130\W02_Centracs_Expansion\1\CADD_Sheets\Sht-ts-Int046.dgn
Default



TS SHT NO. 210



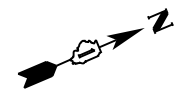
USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
NAPERVILLE RD

SCALE: 1"=50' SHEET 61 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	218
			CONTRACT NO. 61F05	
ILLINOIS FED. AID PROJECT				



NAPERVILLE RD

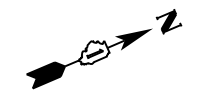
MATCHLINE DJ-DJ SEE SHEET 218

MATCHLINE DK-DK

490'-UC-CNC 2"

520'-UC-CNC 2"

421'-UC-CNC 2"



NAPERVILLE RD

MATCHLINE DK-DK

MATCHLINE DL-DL SEE SHEET 220

129'-UC-CNC 2"

550'-UC-CNC 2"

550'-UC-CNC 2"

221'-UC-CNC 2"

TS SHT NO. 211



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

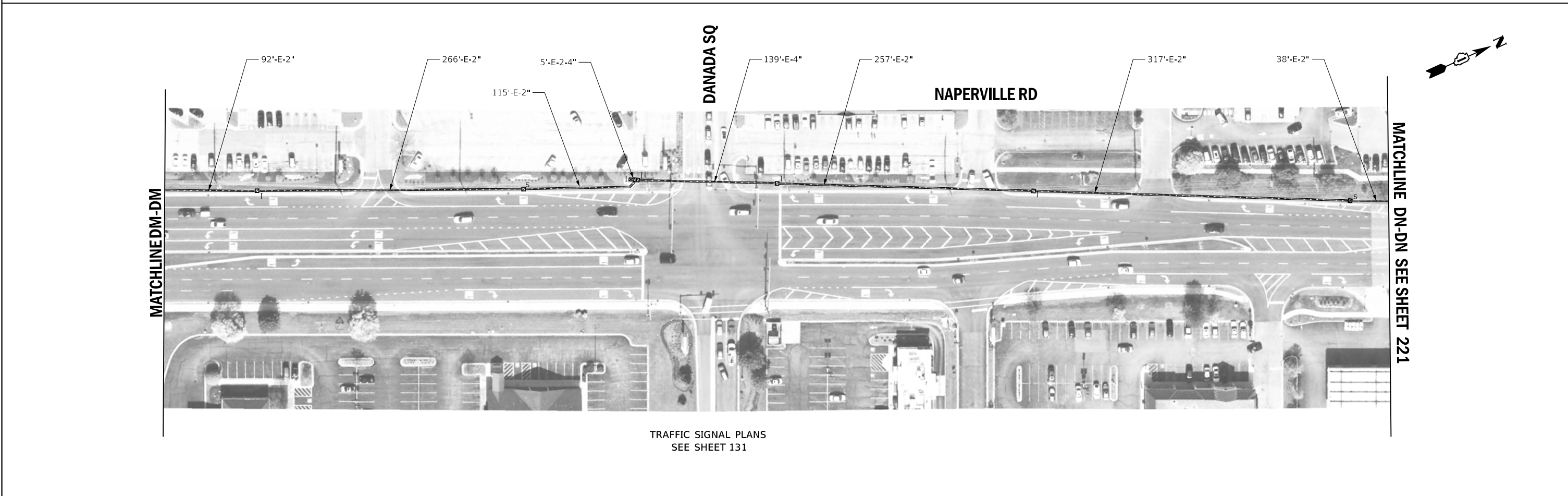
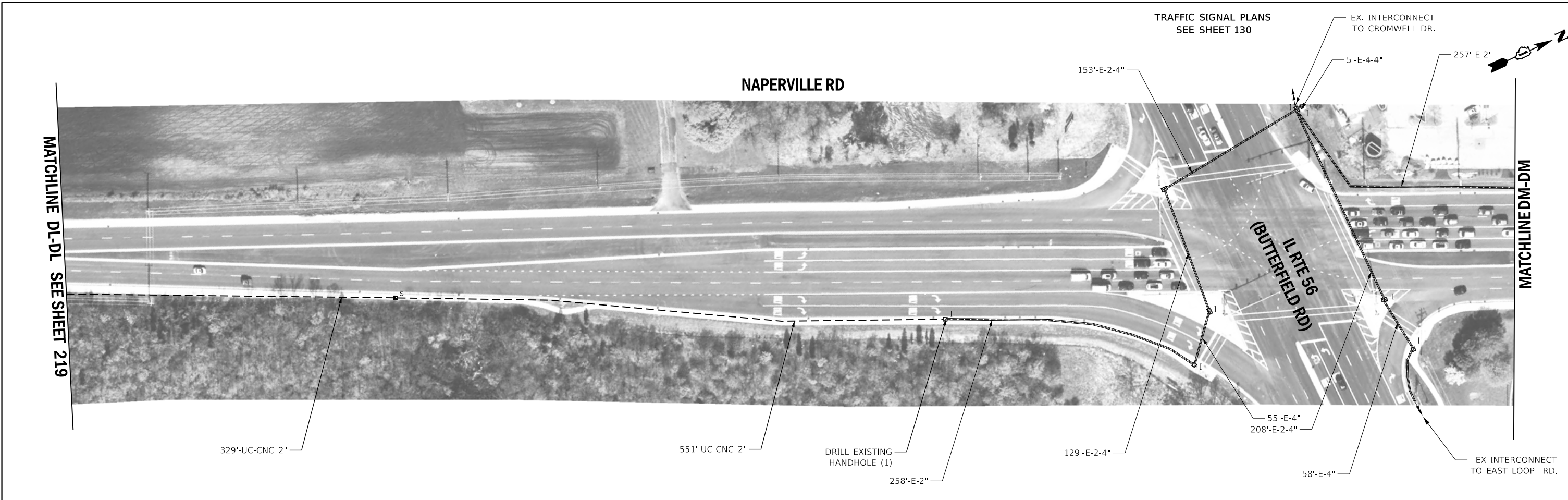
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
NAPERVILLE RD

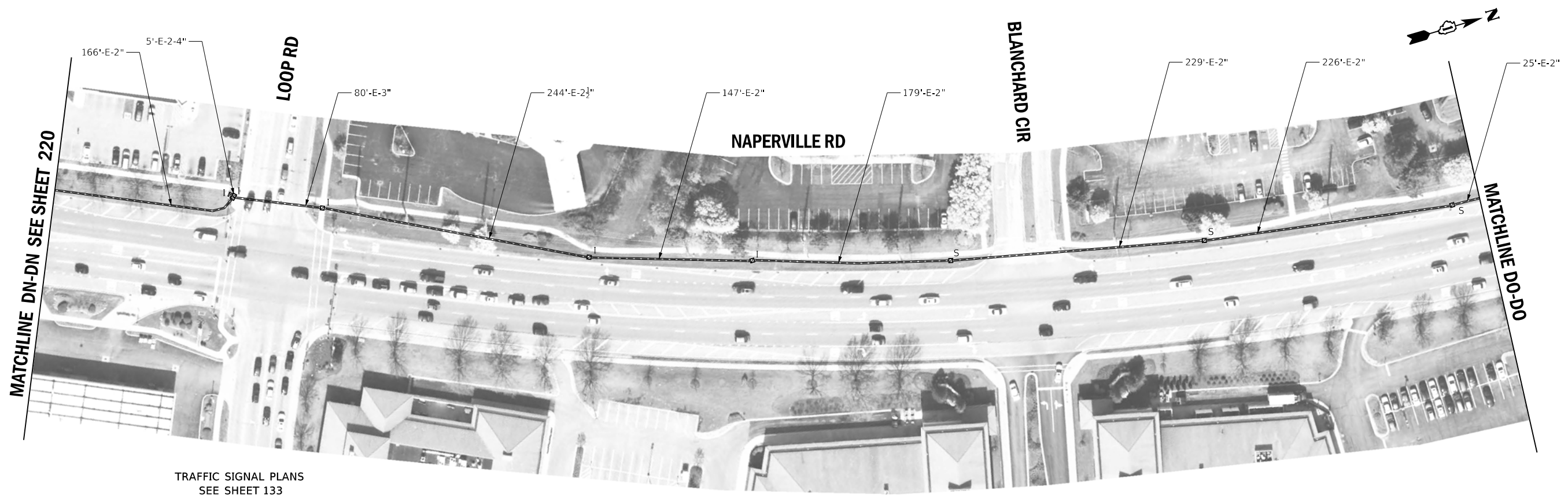
SCALE: 1"=50' SHEET 62 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	219
CONTRACT NO.			61F05	
ILLINOIS FED. AID PROJECT				

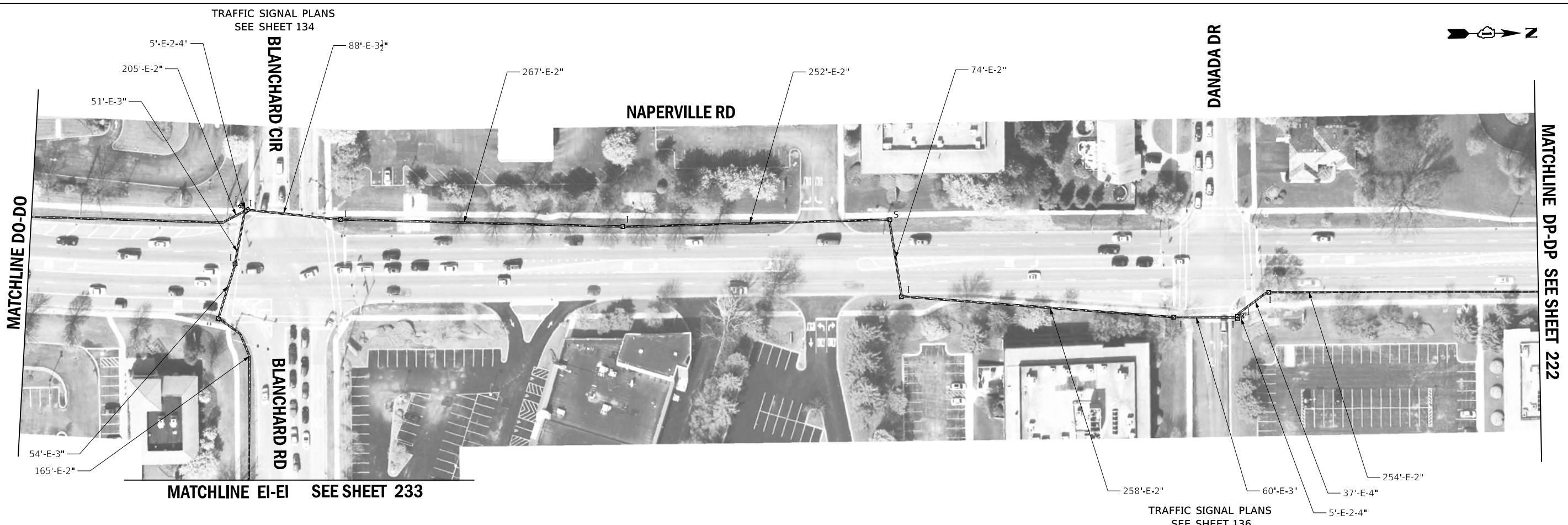
TS SHT NO. 212



	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">PROPOSED INTERCONNECT PLAN NAPERVILLE RD</p>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -		SCALE: 1"=50'	SHEET 63	OF 81 SHEETS	STA.	TO STA.	17-DCCSS-01-TL	DUPAGE	277
	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -									
		DATE -	REVISED -									
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										<p align="center">CONTRACT NO. 61F05</p>		
<p align="center">ILLINOIS FED. AID PROJECT</p>												



TRAFFIC SIGNAL PLANS
SEE SHEET 133



TRAFFIC SIGNAL PLANS
SEE SHEET 134

TRAFFIC SIGNAL PLANS
SEE SHEET 136

TS SHT NO. 213



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
NAPERVILLE RD

SCALE: 1"=50' SHEET 64 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	221
			CONTRACT NO. 61F05	
		ILLINOIS	FED. AID PROJECT	

FILE NAME = pw:\PW1\dlzcorp.com\DLZ\Documents\Projects\2017\1782\2130\W02_Centracs_Expansion\1\CADD_Sheets\Sht-ts-Int050.dgn
Default

MATCHLINE DP-DP SEE SHEET 221

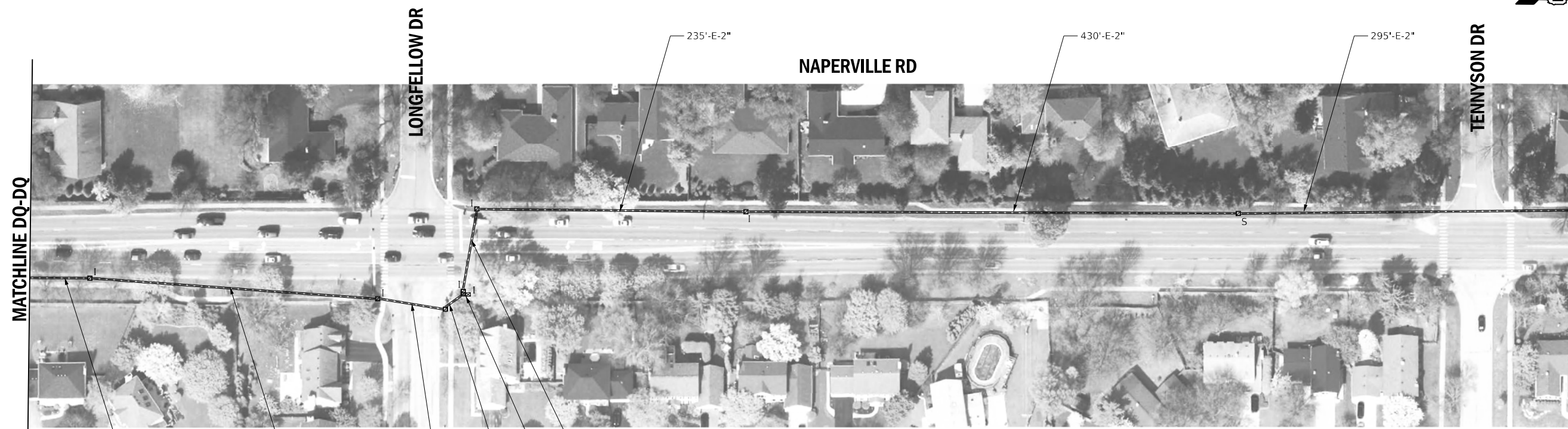


MATCHLINE DQ-DQ



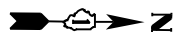
37'-E-2" 356'-E-2" 339'-E-2" 347'-E-2" 371'-E-2"

TRAFFIC SIGNAL PLANS
SEE SHEET 137



MATCHLINE DQ-DQ

MATCHLINE DR-DR SEE SHEET 223



235'-E-2" 430'-E-2" 295'-E-2" 52'-E-2" 252'-E-2" 60'-E-4" 20'-E-4" 73'-E-4" 5'-E-2-4"

TS SHT NO. 214



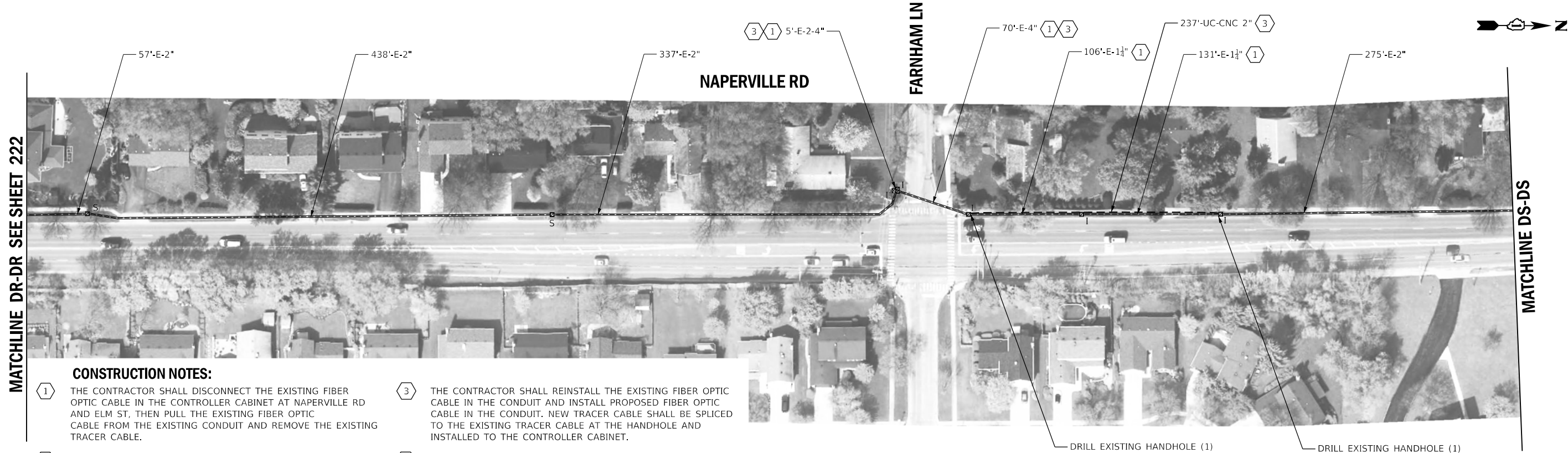
USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
NAPERVILLE RD

SCALE: 1"=50' SHEET 65 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	222
CONTRACT NO. 61F05				
ILLINOIS		FED. AID PROJECT		



CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE IN THE CONTROLLER CABINET AT NAPERVILLE RD AND ELM ST, THEN PULL THE EXISTING FIBER OPTIC CABLE FROM THE EXISTING CONDUIT AND REMOVE THE EXISTING TRACER CABLE.
- 2 THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE IN THE CONTROLLER CABINET AT NAPERVILLE RD AND DIEHL RD, THEN PULL THE EXISTING FIBER OPTIC CABLE FROM THE EXISTING CONDUIT AND REMOVE THE EXISTING TRACER CABLE.
- 3 THE CONTRACTOR SHALL REINSTALL THE EXISTING FIBER OPTIC CABLE IN THE CONDUIT AND INSTALL PROPOSED FIBER OPTIC CABLE IN THE CONDUIT. NEW TRACER CABLE SHALL BE SPLICED TO THE EXISTING TRACER CABLE AT THE HANDHOLE AND INSTALLED TO THE CONTROLLER CABINET.
- 4 ABANDON EXISTING CONDUIT.

TRAFFIC SIGNAL PLANS
SEE SHEET 139



TRAFFIC SIGNAL PLANS
SEE SHEET 140

TS SHT NO. 215

DLZ	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -
	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
NAPERVILLE RD

SCALE: 1"=50' SHEET 66 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCS-01-TL	DUPAGE	277	223
			CONTRACT NO. 61F05	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL PLANS
SEE SHEET 97



TS SHT NO. 216

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 8/28/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

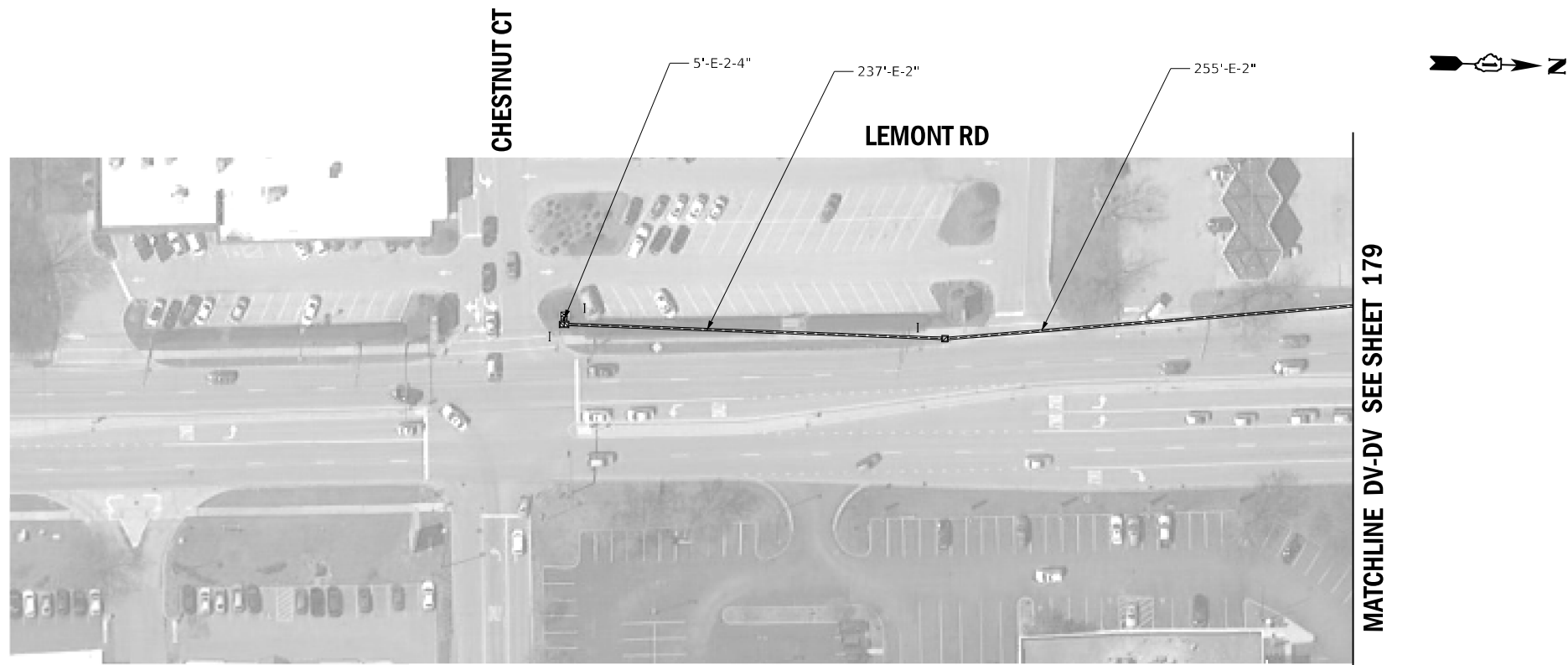
**PROPOSED INTERCONNECT PLAN
NAPERVILLE RD**

SCALE: 1"=50' SHEET 67 OF 81 SHEETS STA. TO STA.

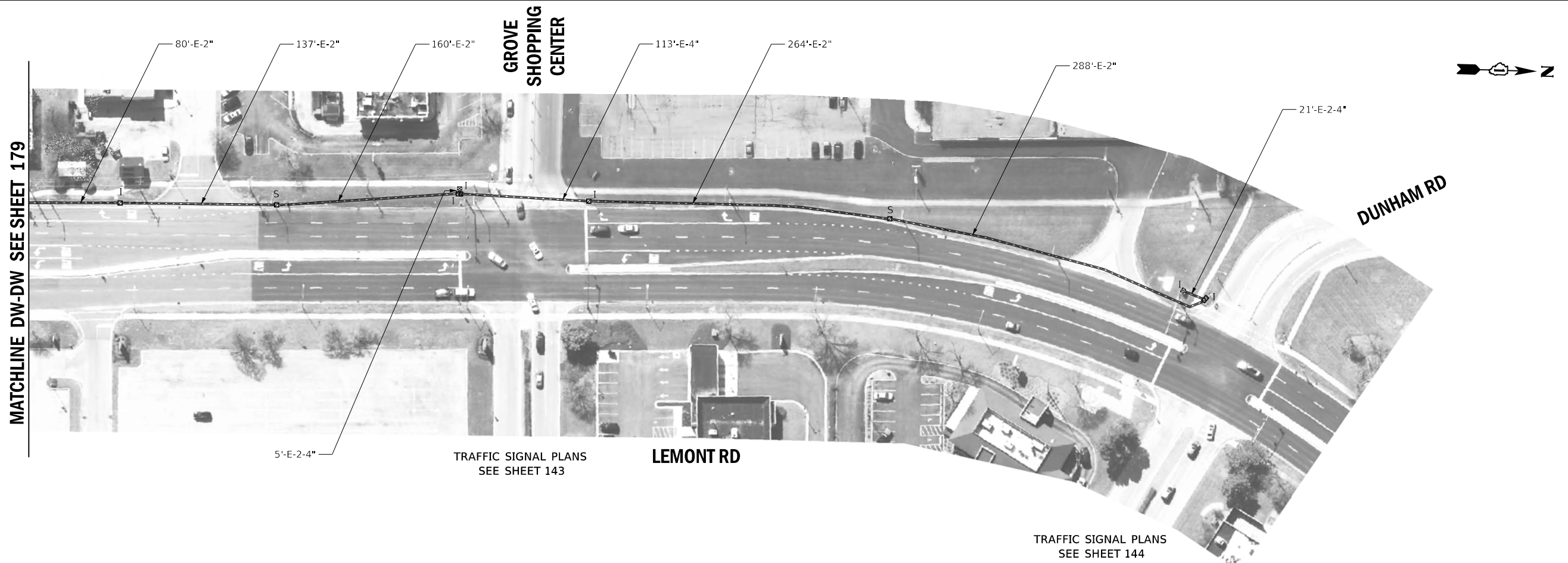
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	224
			CONTRACT NO. 61F05	
		ILLINOIS	FED. AID PROJECT	

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TS SHT NO. 217



TRAFFIC SIGNAL PLANS
SEE SHEET 142



TRAFFIC SIGNAL PLANS
SEE SHEET 143

TRAFFIC SIGNAL PLANS
SEE SHEET 144

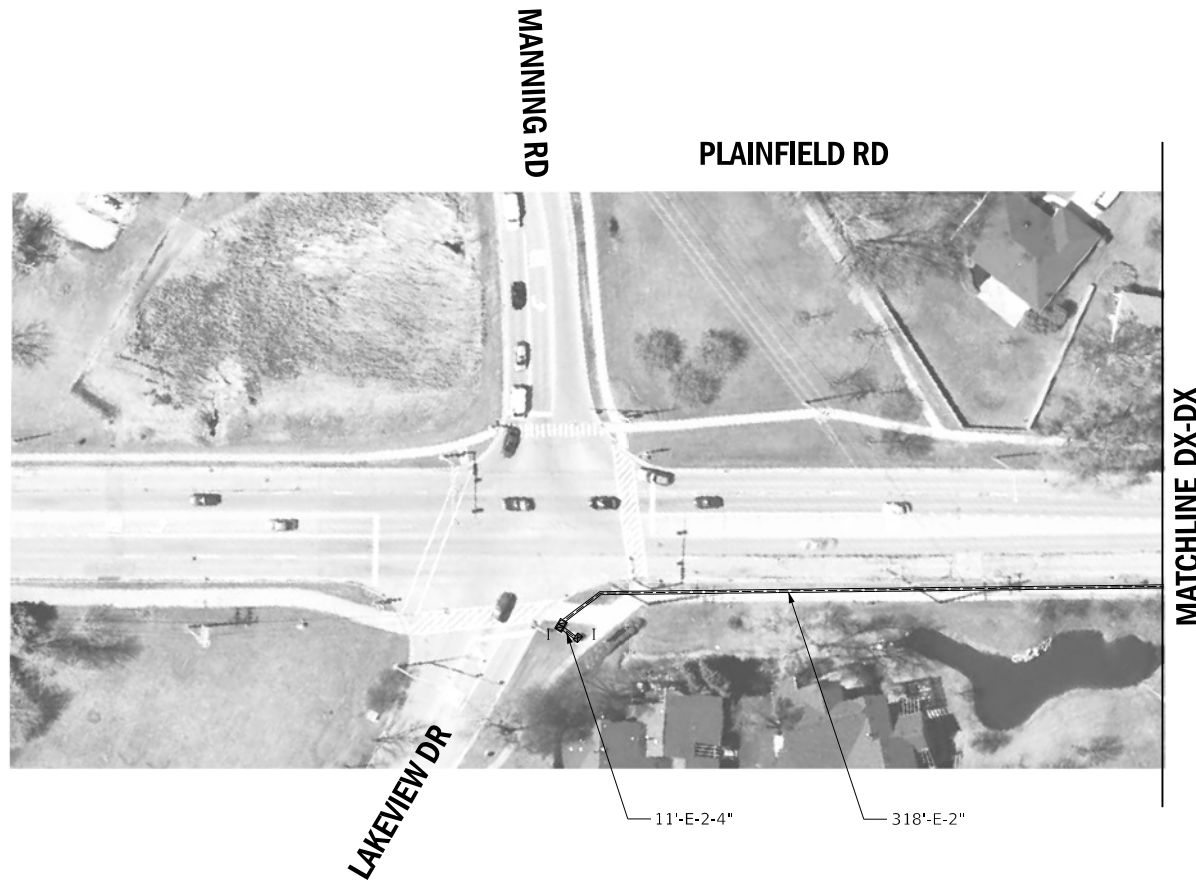
	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
LEMONT RD

SCALE: 1"=50' SHEET 68 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-DCCSS-01-TL	DUPAGE	277	225
CONTRACT NO.			61F05	
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL PLANS
SEE SHEET 145



TS SHT NO. 218

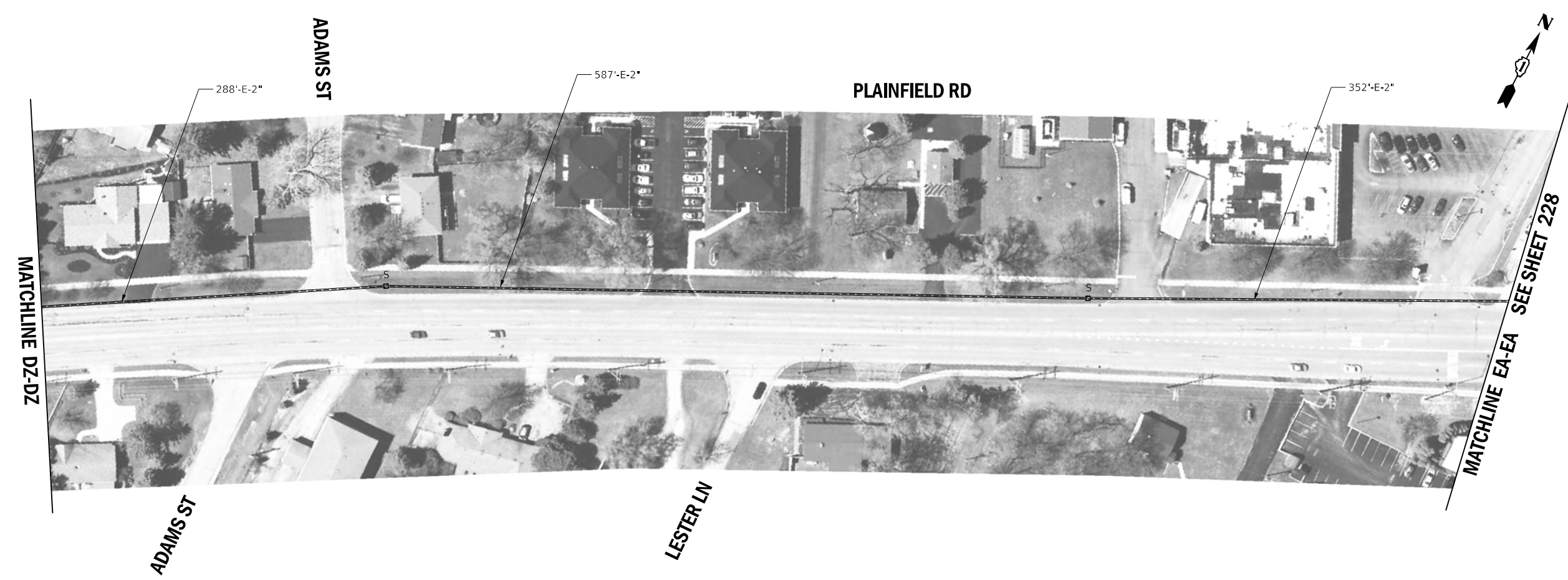
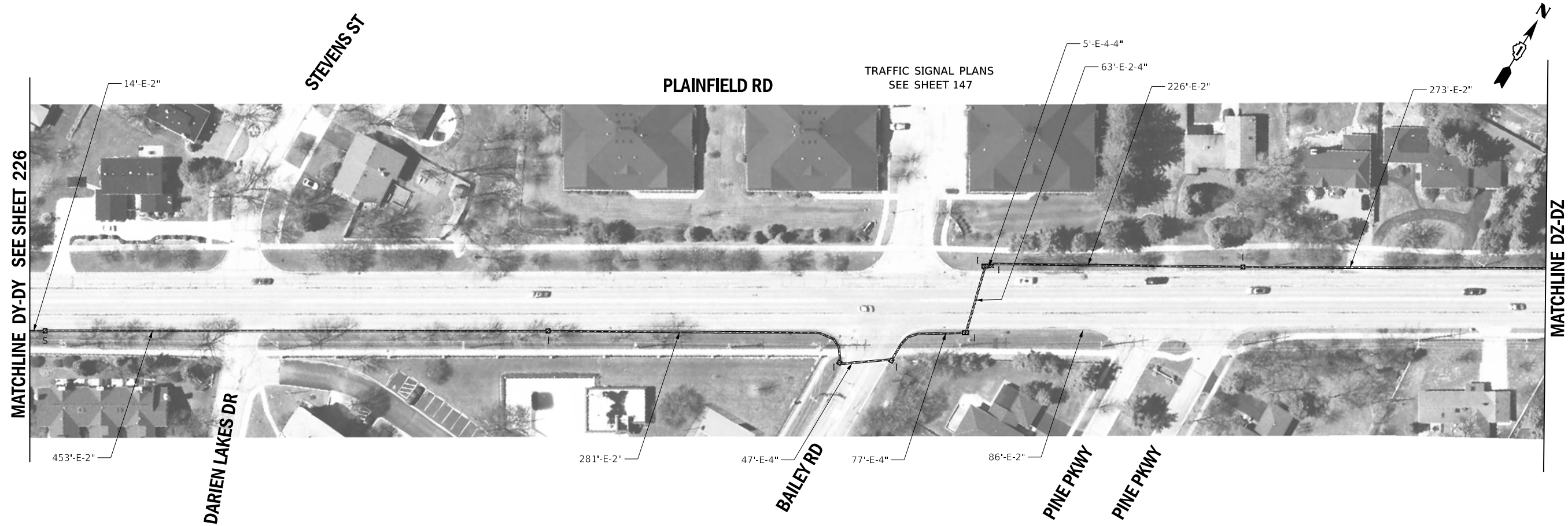
DLZ	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
PLAINFIELD RD

SCALE: 1"=50' SHEET 69 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	226
CONTRACT NO.			61F05	
ILLINOIS		FED. AID PROJECT		

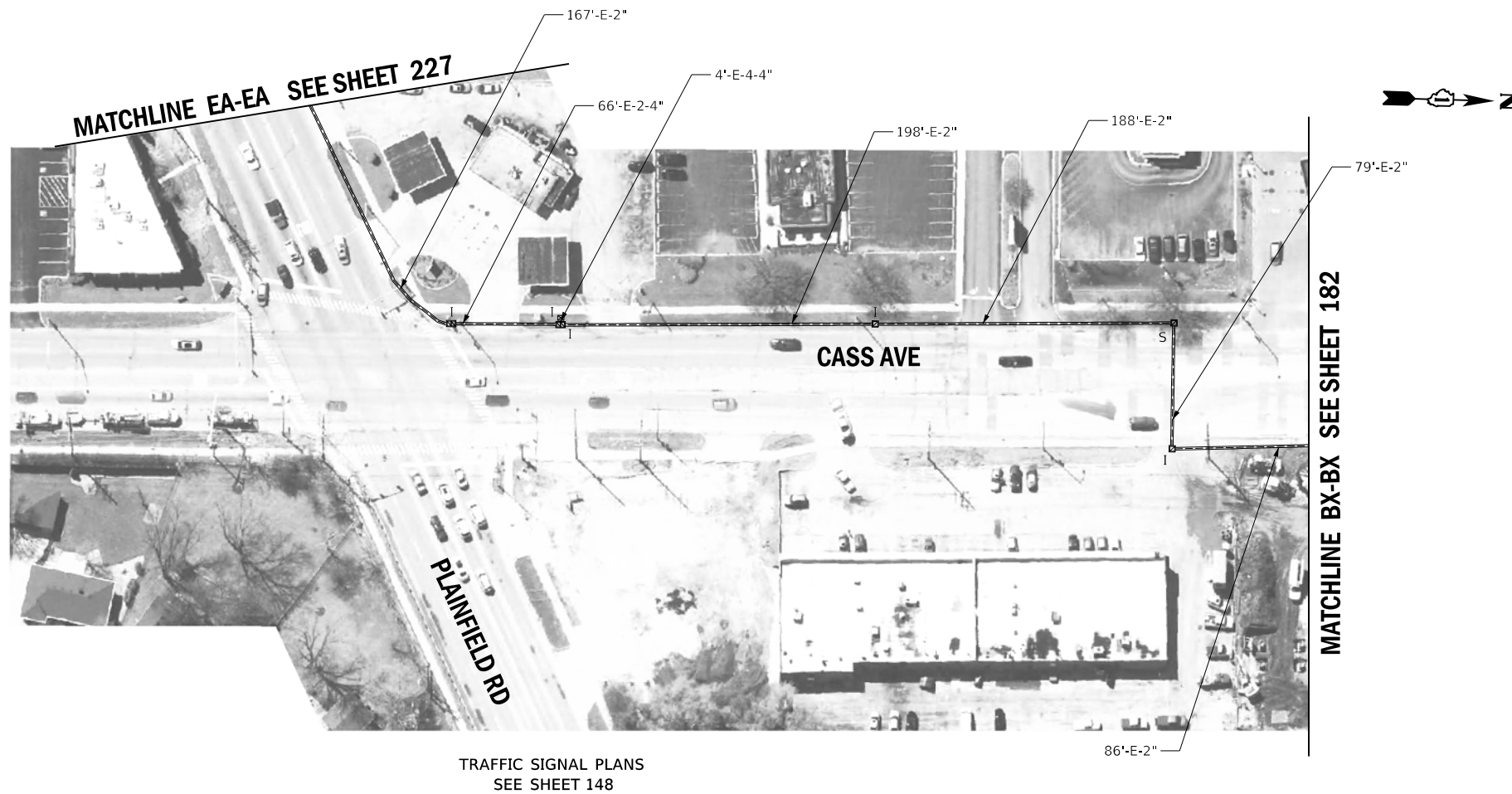


TS SHT NO. 219

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN PLAINFIELD RD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -		SCALE: 1"=50'	SHEET 70	OF 81 SHEETS	STA.	TO STA.	DUPAGE	277	227
PLOT DATE = 8/28/2018	DATE -	REVISED -								CONTRACT NO. 61F05		
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ILLINOIS FED. AID PROJECT

TS SHT NO. 220



	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 8/28/2018	DATE -	REVISED -

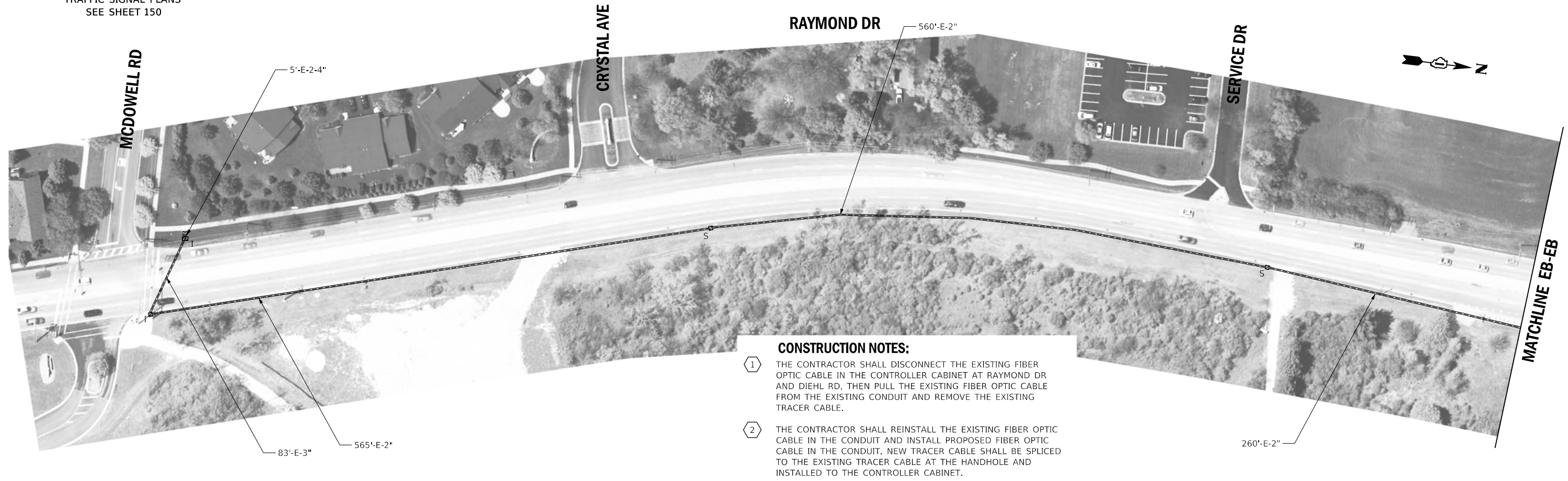
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
PLAINFIELD RD

SCALE: 1"=50' SHEET 71 OF 81 SHEETS STA. TO STA.

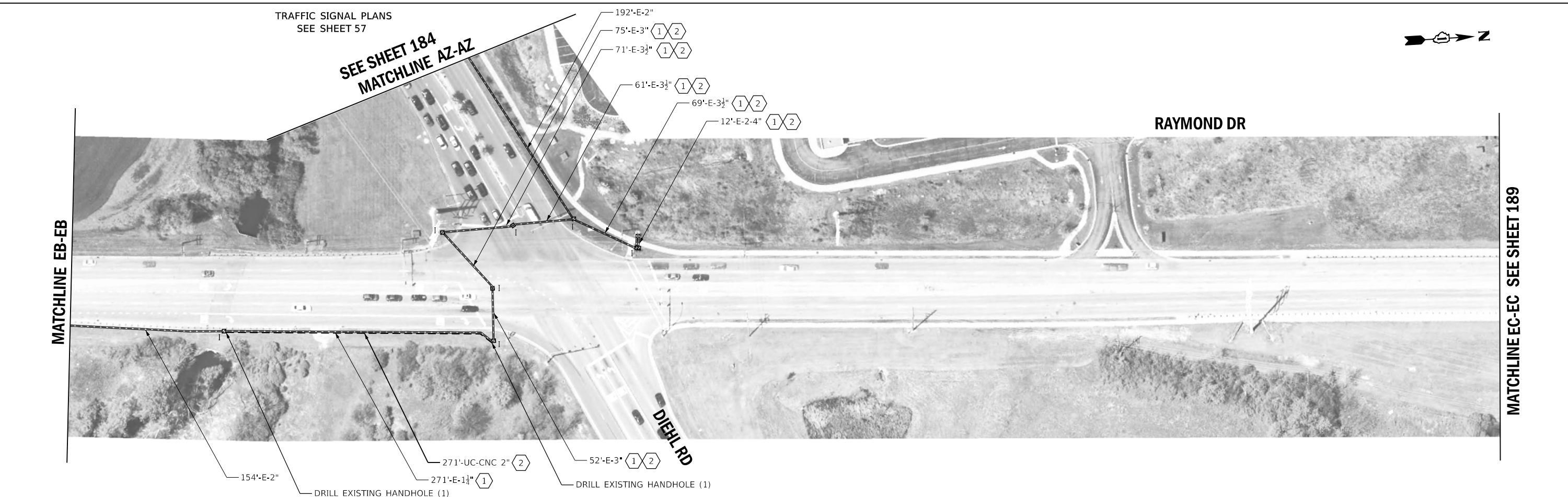
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	228
CONTRACT NO.			61F05	
ILLINOIS		FED. AID PROJECT		

TRAFFIC SIGNAL PLANS
SEE SHEET 150



- CONSTRUCTION NOTES:**
- ① THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE IN THE CONTROLLER CABINET AT RAYMOND DR AND DIEHL RD, THEN PULL THE EXISTING FIBER OPTIC CABLE FROM THE EXISTING CONDUIT AND REMOVE THE EXISTING TRACER CABLE.
 - ② THE CONTRACTOR SHALL REINSTALL THE EXISTING FIBER OPTIC CABLE IN THE CONDUIT AND INSTALL PROPOSED FIBER OPTIC CABLE IN THE CONDUIT. NEW TRACER CABLE SHALL BE SPLICED TO THE EXISTING TRACER CABLE AT THE HANDHOLE AND INSTALLED TO THE CONTROLLER CABINET.

TRAFFIC SIGNAL PLANS
SEE SHEET 57



TS SHT NO. 221



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

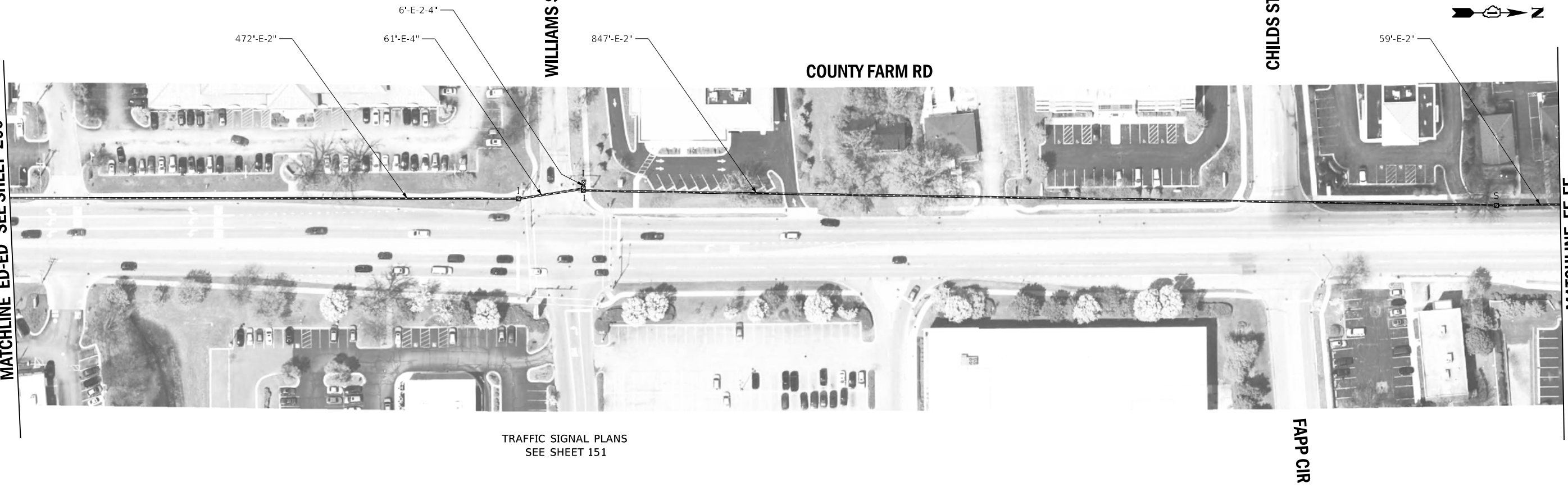
PROPOSED INTERCONNECT PLAN
RAYMOND DR

SCALE: 1"=50' SHEET 72 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	229
CONTRACT NO.			61F05	
ILLINOIS FED. AID PROJECT				

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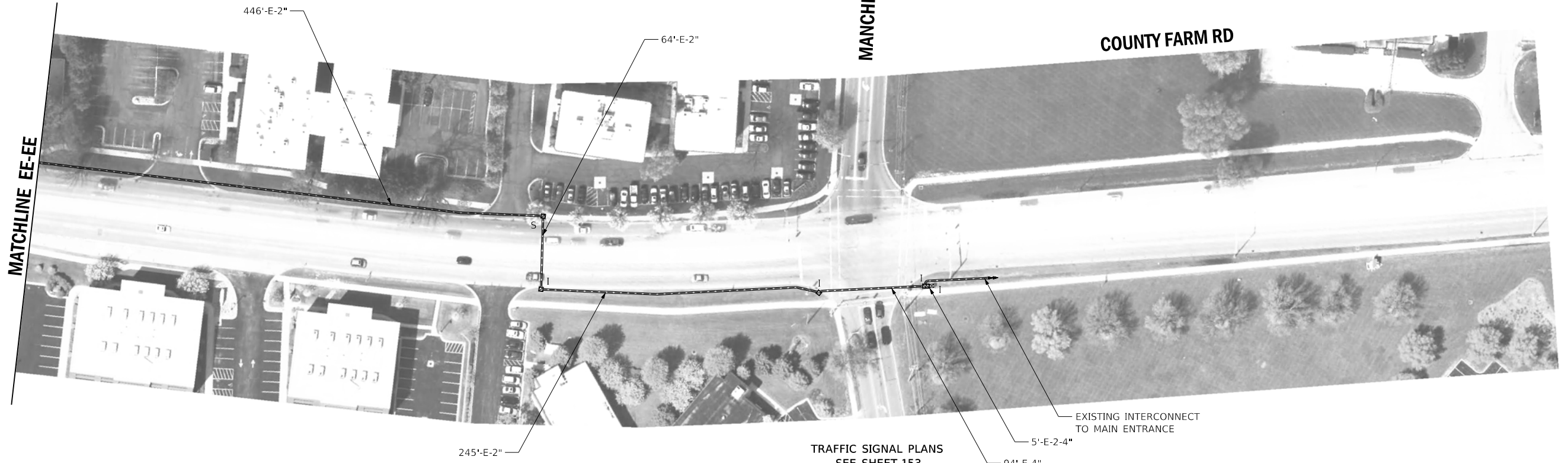
MATCHLINE ED-ED SEE SHEET 200



TRAFFIC SIGNAL PLANS
SEE SHEET 151

MATCHLINE EE-EE

MATCHLINE EE-EE



TRAFFIC SIGNAL PLANS
SEE SHEET 153

EXISTING INTERCONNECT
TO MAIN ENTRANCE

TS SHT NO. 222



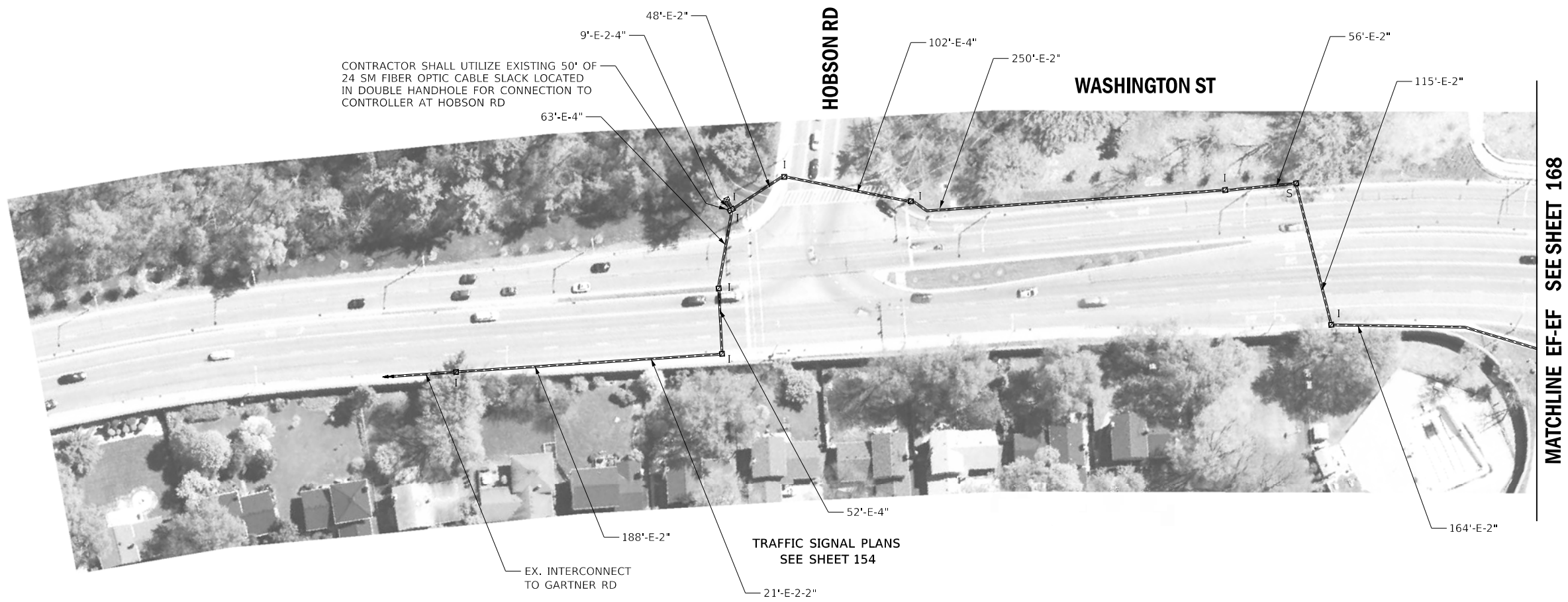
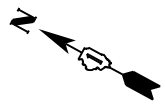
USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
COUNTY FARM RD

SCALE: 1"=50' SHEET 73 OF 81 SHEETS STA. TO STA.

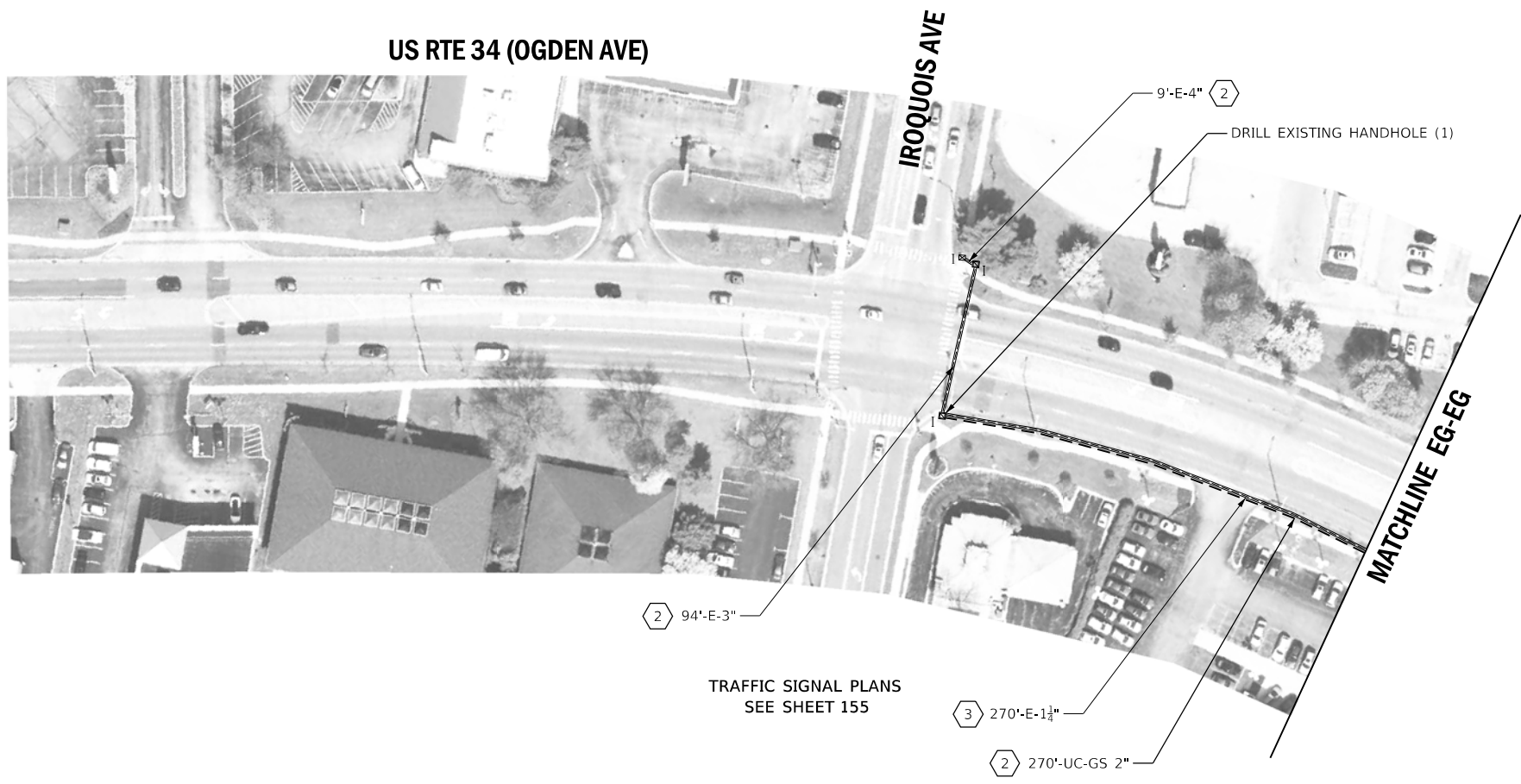
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	230
			CONTRACT NO. 61F05	
		ILLINOIS	FED. AID PROJECT	



TS SHT NO. 223

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN WASHINGTON ST			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -		VAR.	17-DCCSS-01-TL	DUPAGE	277	231				
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -			SCALE: 1"=50'			SHEET 74	OF 81 SHEETS	STA.	TO STA.	CONTRACT NO. 61F05	
	DATE -	REVISED -								ILLINOIS FED. AID PROJECT			

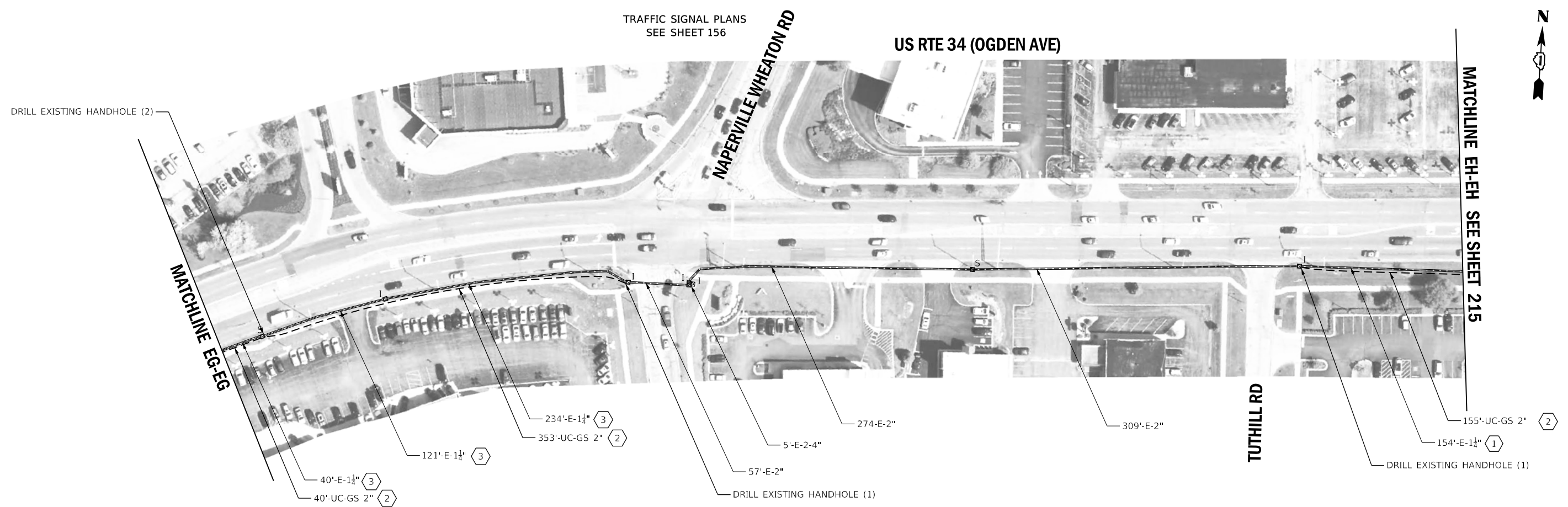
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Default



- CONSTRUCTION NOTES:**
- 1 THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE IN THE CONTROLLER CABINET AT NAPER BLVD AND OGDEN AVE, THEN PULL THE EXISTING FIBER OPTIC CABLE FROM THE EXISTING CONDUIT AND REMOVE THE EXISTING TRACER CABLE.
 - 2 THE CONTRACTOR SHALL REINSTALL THE EXISTING FIBER OPTIC CABLE IN THE CONDUIT AND INSTALL PROPOSED FIBER OPTIC CABLE IN THE CONDUIT. NEW TRACER CABLE SHALL BE SPLICED TO THE EXISTING TRACER CABLE AT THE HANDHOLE AND INSTALLED TO THE CONTROLLER CABINET.
 - 3 THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE IN THE CONTROLLER CABINET AT IROQUOIS AVE AND OGDEN AVE, THEN PULL THE EXISTING FIBER OPTIC CABLE FROM THE EXISTING CONDUIT AND REMOVE THE EXISTING TRACER CABLE.
 - 4 ABANDON EXISTING CONDUIT.

TRAFFIC SIGNAL PLANS
SEE SHEET 155

TRAFFIC SIGNAL PLANS
SEE SHEET 156



TS SHT NO. 224



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

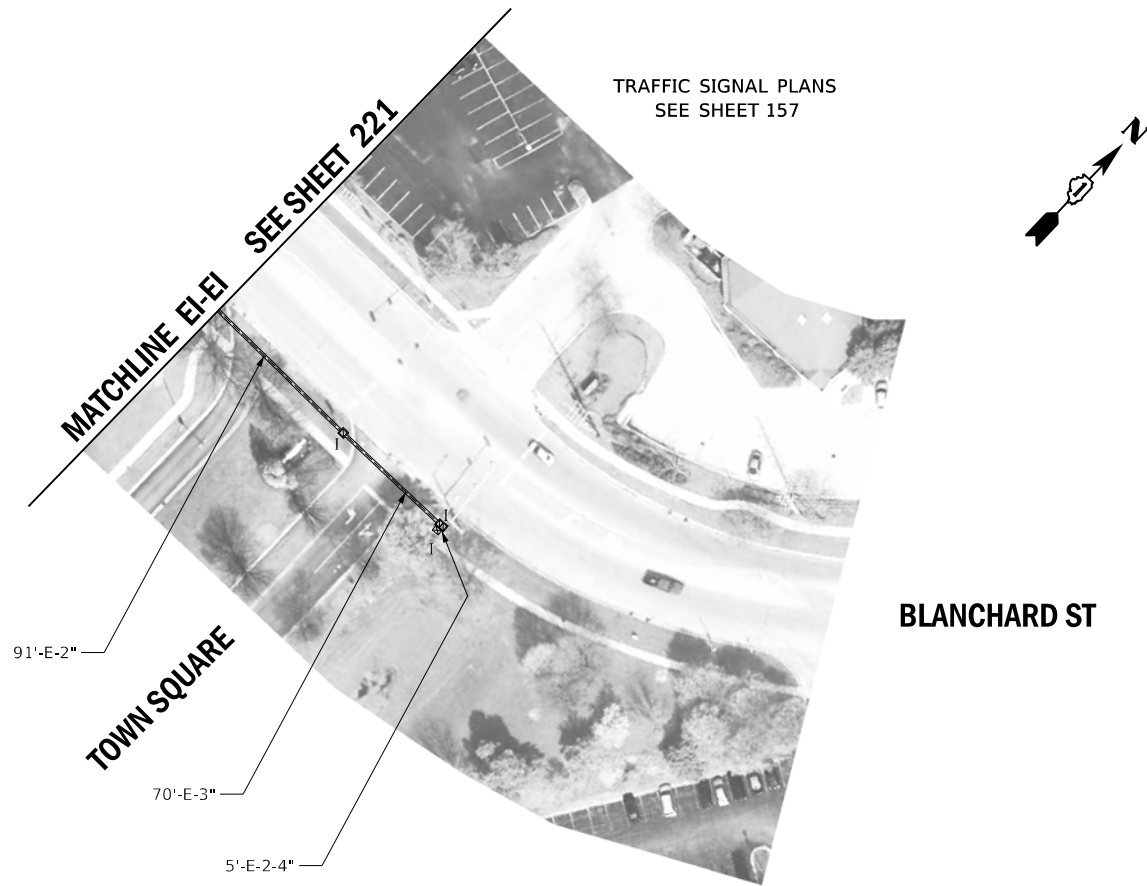
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
US RTE 34 (OGDEN AVE)

SCALE: 1"=50' SHEET 75 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	232
CONTRACT NO. 61F05				
ILLINOIS FED. AID PROJECT				

FILE NAME = pw:\PW1.dzcorp.com\DLZ\Documents\Projects\2017\1782\2130\W02_Centracs_Expansion\1\CADD_Sheets\Sht-ts-Int054.dgn
Default



TS SHT NO. 225

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000 ' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 8/28/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
BLANCHARD ST**

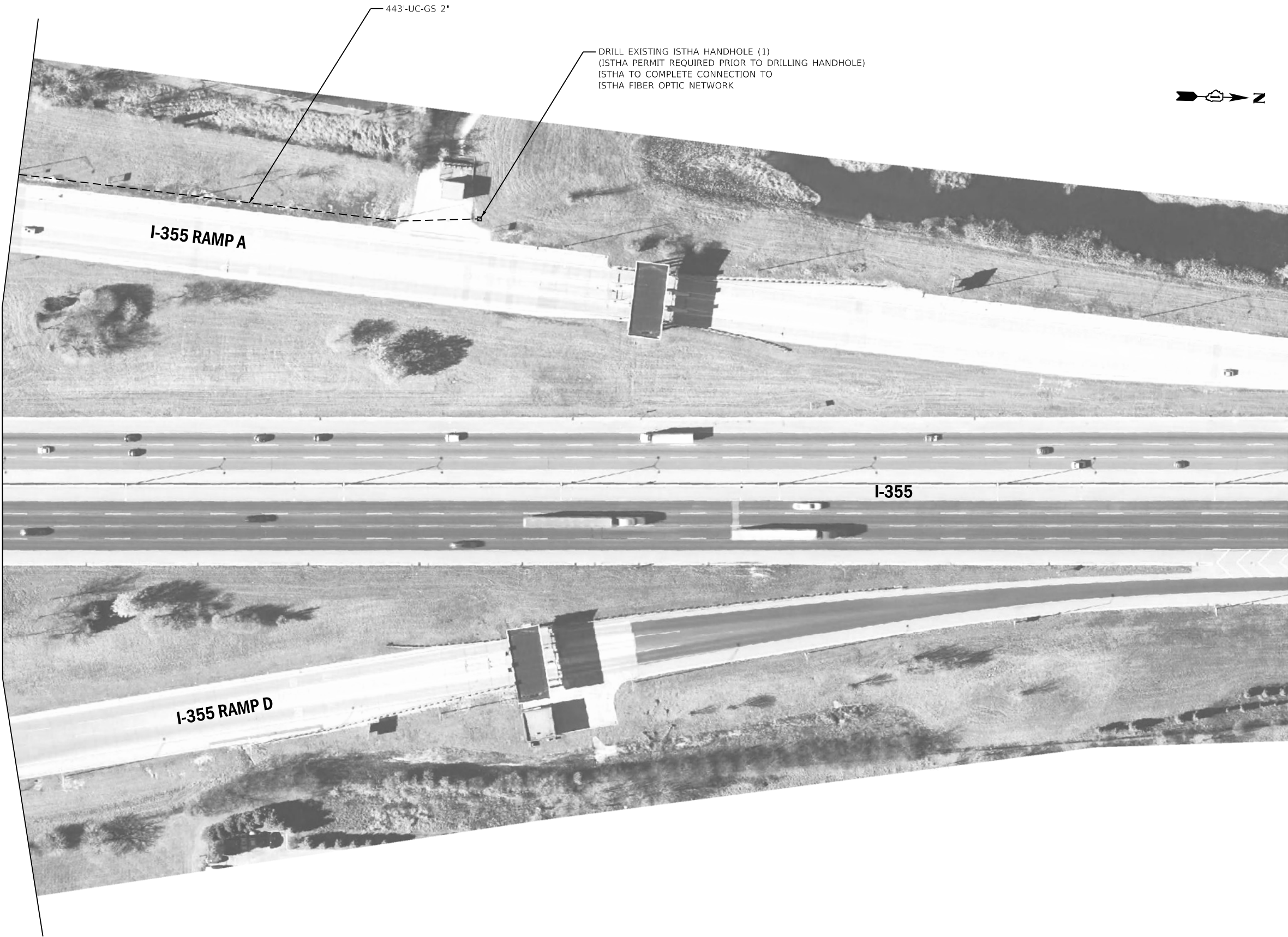
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	233
CONTRACT NO.			61F05	
ILLINOIS		FED. AID PROJECT		

SCALE: 1"=50' SHEET 76 OF 81 SHEETS STA. TO STA.

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Default

TS SHT NO. 226

MATCHLINE E-J SEE SHEET 177



DRILL EXISTING ISTHA HANDHOLE (1)
(ISTHA PERMIT REQUIRED PRIOR TO DRILLING HANDHOLE)
ISTHA TO COMPLETE CONNECTION TO
ISTHA FIBER OPTIC NETWORK



	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 8/28/2018	DATE -	REVISED -

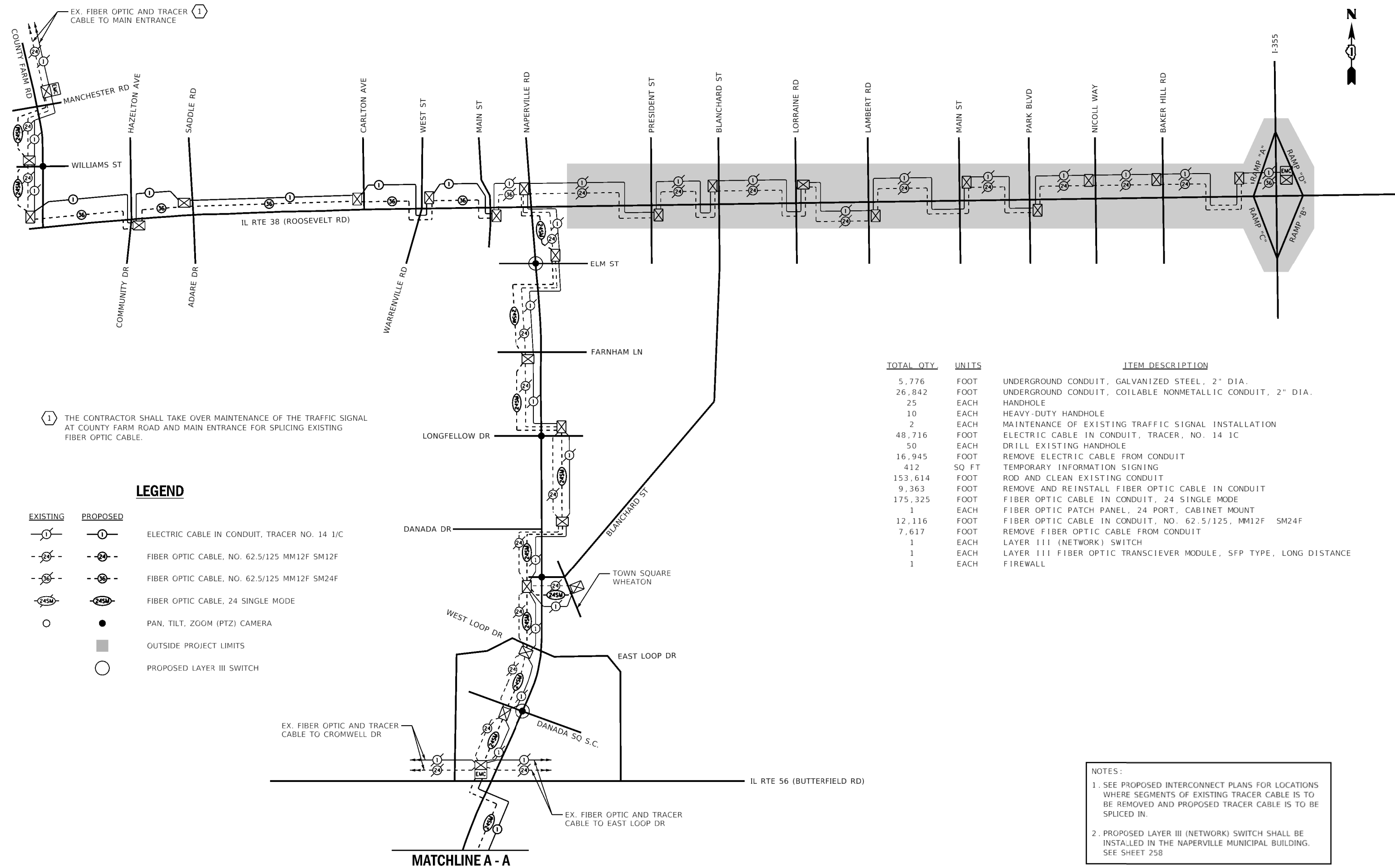
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
I-355

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	234
CONTRACT NO.			61F05	
ILLINOIS		FED. AID PROJECT		

SCALE: 1"=50' SHEET 77 OF 81 SHEETS STA. TO STA.

TS SHT NO. 227



1 THE CONTRACTOR SHALL TAKE OVER MAINTENANCE OF THE TRAFFIC SIGNAL AT COUNTY FARM ROAD AND MAIN ENTRANCE FOR SPLICING EXISTING FIBER OPTIC CABLE.

LEGEND

EXISTING	PROPOSED	
		ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM12F
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM24F
		FIBER OPTIC CABLE, 24 SINGLE MODE
		PAN, TILT, ZOOM (PTZ) CAMERA
		OUTSIDE PROJECT LIMITS
		PROPOSED LAYER III SWITCH

TOTAL QTY.	UNITS	ITEM DESCRIPTION
5,776	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
26,842	FOOT	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.
25	EACH	HANDHOLE
10	EACH	HEAVY-DUTY HANDHOLE
2	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
48,716	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C
50	EACH	DRILL EXISTING HANDHOLE
16,945	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
412	SQ FT	TEMPORARY INFORMATION SIGNING
153,614	FOOT	ROD AND CLEAN EXISTING CONDUIT
9,363	FOOT	REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT
175,325	FOOT	FIBER OPTIC CABLE IN CONDUIT, 24 SINGLE MODE
1	EACH	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT
12,116	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F
7,617	FOOT	REMOVE FIBER OPTIC CABLE FROM CONDUIT
1	EACH	LAYER III (NETWORK) SWITCH
1	EACH	LAYER III FIBER OPTIC TRANSCEIVER MODULE, SFP TYPE, LONG DISTANCE
1	EACH	FIREWALL

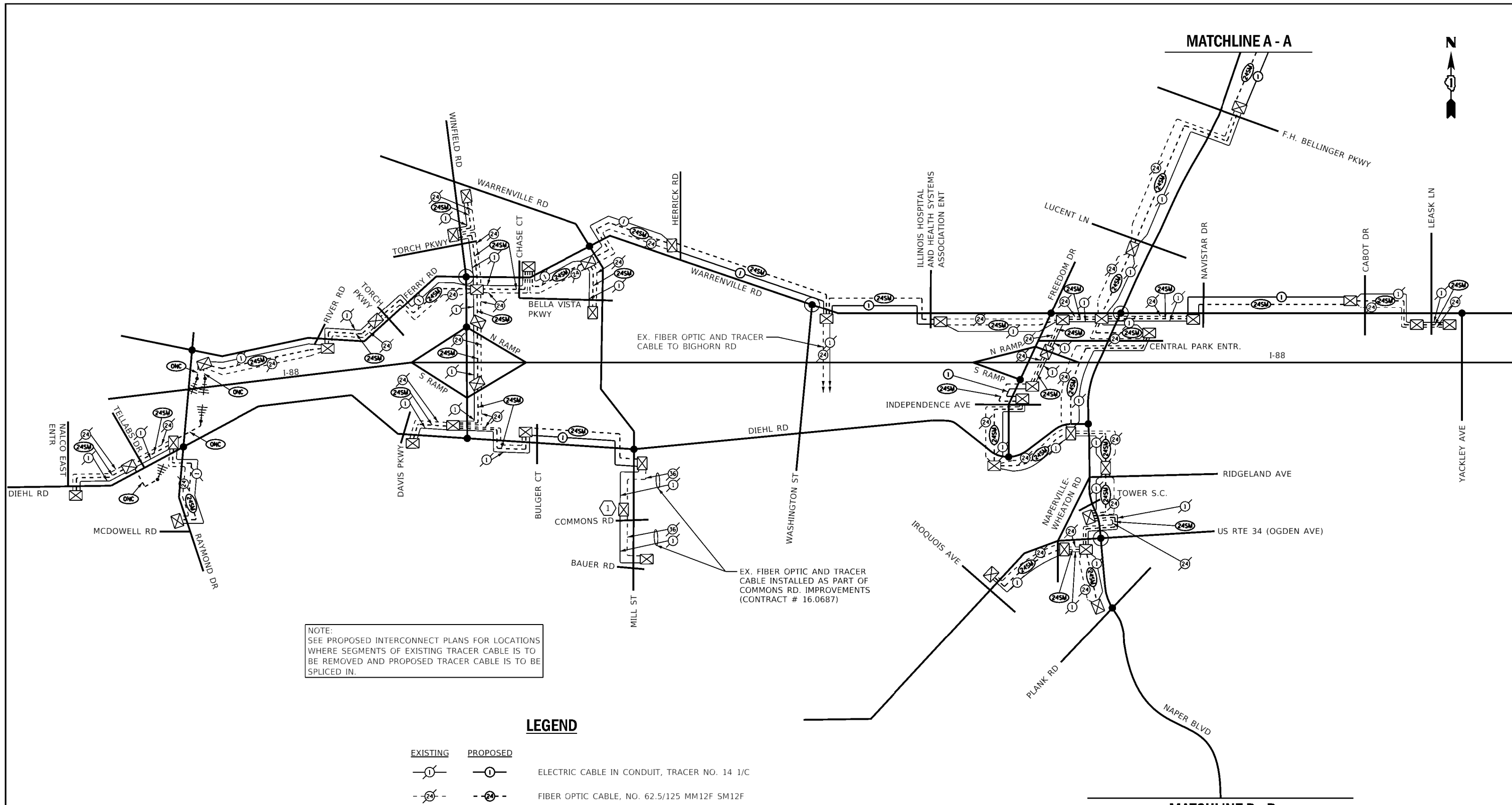
NOTES:

- SEE PROPOSED INTERCONNECT PLANS FOR LOCATIONS WHERE SEGMENTS OF EXISTING TRACER CABLE IS TO BE REMOVED AND PROPOSED TRACER CABLE IS TO BE SPLICED IN.
- PROPOSED LAYER III (NETWORK) SWITCH SHALL BE INSTALLED IN THE NAPERVILLE MUNICIPAL BUILDING. SEE SHEET 258

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT SCHEMATIC SHEET 1 OF 4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / 1"	CHECKED - ZH	REVISED -			VAR.	17-DCC55-01-TL	DUPAGE	277	235
PLOT DATE = 8/28/2018	DATE -	REVISED -		SCALE: NTS	SHEET 78 OF 81 SHEETS	STA.	TO STA.	CONTRACT NO. 61F05	ILLINOIS	FED. AID PROJECT

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TS SHT NO. 228



NOTE:
SEE PROPOSED INTERCONNECT PLANS FOR LOCATIONS WHERE SEGMENTS OF EXISTING TRACER CABLE IS TO BE REMOVED AND PROPOSED TRACER CABLE IS TO BE SPLICED IN.

LEGEND

- | EXISTING | PROPOSED | |
|----------|----------|--|
| | | ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C |
| | | FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM12F |
| | | FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM24F |
| | | FIBER OPTIC CABLE, 24 SINGLE MODE |
| | | PAN, TILT, ZOOM (PTZ) CAMERA |
| | | OUTSIDE PROJECT LIMITS |
| | | PROPOSED LAYER III SWITCH |

THE CONTRACTOR SHALL TAKE OVER MAINTENANCE OF THE TRAFFIC SIGNAL AT COUNTY FARM ROAD AND MAIN ENTRANCE FOR SPLICING EXISTING FIBER OPTIC CABLE.



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC
SHEET 2 OF 4

SCALE: NTS SHEET 79 OF 81 SHEETS STA. TO STA.

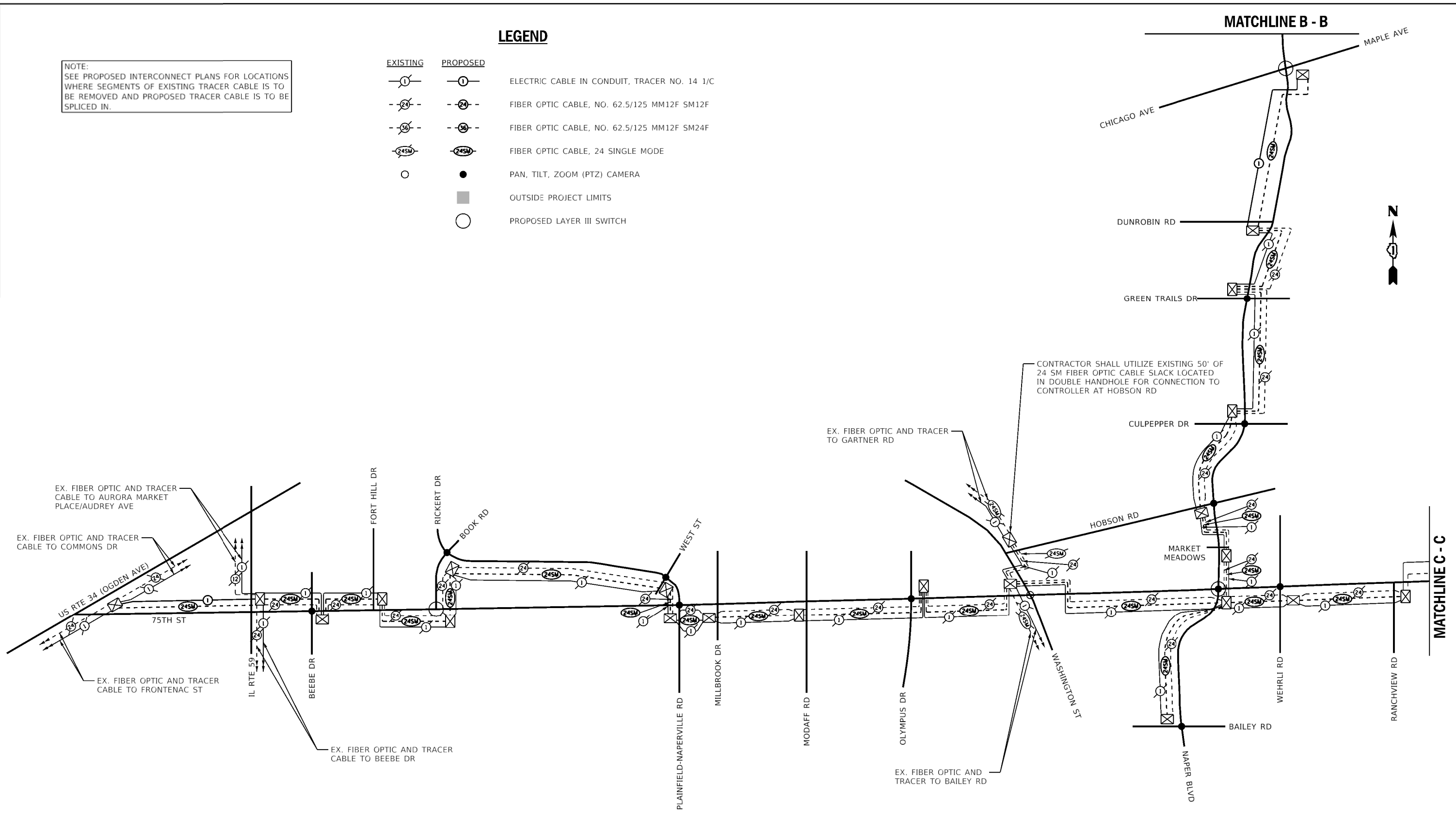
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCC55-01-TL	DUPAGE	277	236
CONTRACT NO.			61F05	
ILLINOIS FED. AID PROJECT				

FILE NAME = pw:\IPW1.dzcorp.com\DLZ\Documents\Projects\2017\1782\2130\W02_Centracs_Expansion_1\CADD_Sheets\SHT-TS-int_schem-2.dgn

NOTE:
SEE PROPOSED INTERCONNECT PLANS FOR LOCATIONS WHERE SEGMENTS OF EXISTING TRACER CABLE IS TO BE REMOVED AND PROPOSED TRACER CABLE IS TO BE SPLICED IN.

LEGEND

- | | | |
|-----------------|-----------------|--|
| EXISTING | PROPOSED | |
| | | ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C |
| | | FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM12F |
| | | FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM24F |
| | | FIBER OPTIC CABLE, 24 SINGLE MODE |
| | | PAN, TILT, ZOOM (PTZ) CAMERA |
| | | OUTSIDE PROJECT LIMITS |
| | | PROPOSED LAYER III SWITCH |

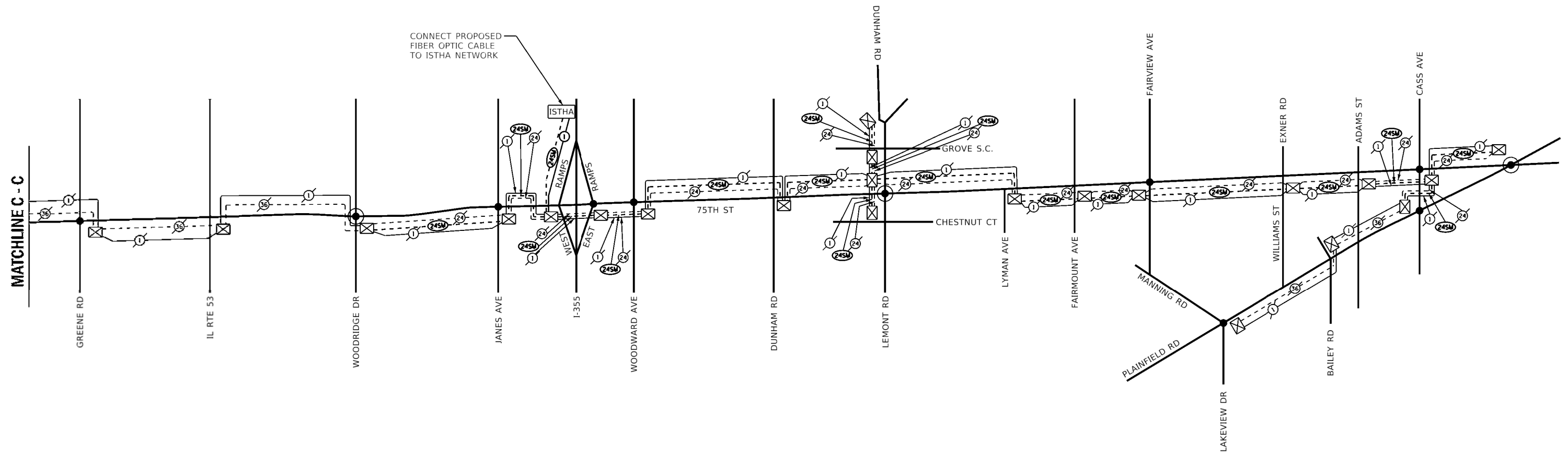
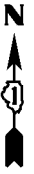


TS SHT NO. 229

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT SCHEMATIC SHEET 3 OF 4			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000' / 1"	CHECKED - ZH	REVISED -					VAR.	17-DCC55-01-TL	DUPAGE	277	237
	PLOT DATE = 8/28/2018	DATE -	REVISED -		SCALE: NTS	SHEET 80	OF 81 SHEETS	STA.	TO STA.	CONTRACT NO. 61F05		
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LEGEND

EXISTING	PROPOSED	
		ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM12F
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM24F
		FIBER OPTIC CABLE, 24 SINGLE MODE
		PAN, TILT, ZOOM (PTZ) CAMERA
		OUTSIDE PROJECT LIMITS
		PROPOSED LAYER III SWITCH



NOTE:
SEE PROPOSED INTERCONNECT PLANS FOR LOCATIONS WHERE SEGMENTS OF EXISTING TRACER CABLE IS TO BE REMOVED AND PROPOSED TRACER CABLE IS TO BE SPLICED IN.

TS SHT NO. 230



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC
SHEET 4 OF 4

SCALE: NTS SHEET 81 OF 81 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCC55-01-TL	DUPAGE	277	238
			CONTRACT NO.	61F05
		ILLINOIS	FED. AID PROJECT	

INTERSECTION/LOCATION	INCLUDED IN THE COST OF NEW FIBER		X1400217	X1400219
	# OF TERMINATIONS	# OF SPLICES	TERMINATE FIBER	SPLICE FIBER
			IN CABINET	IN CABINET
			EACH	EACH
75TH ST AND US RTE 34 (OGDEN AVE)	12			
75TH ST AND IL RTE 59	12	6		
75TH ST AND BEEBE DR	12	6		
75TH ST AND FORT HILL DR	12	6		
75TH ST AND BOOK RD	24		4	
RICKERT RD AND BOOK RD		12	8	4
RICKERT DR AND WEST ST		12	8	8
75TH ST AND PLAINFIELD-NAPERVILLE RD	12	6		12
75TH ST AND MILLBROOK DR	12	6		12
75TH ST AND MODAFF RD	12	6		12
75TH ST AND OLYMPUS DR	12	6		12
75TH ST AND WASHINGTON ST	12	12		16
75TH ST AND NAPER BLVD	48			12
75TH ST AND WEHRLI RD	12	6		
75TH ST AND RANCHVIEW DR	6	6	6	
75TH ST AND GREENE RD			12	6
75TH ST AND IL RTE 53			12	6
75TH ST AND WOODRIDGE DR	18		12	
75TH ST AND JANES AVE	12	12		
75TH ST AND I-355 (EAST)	12	12		
75TH ST AND WOODWARD AVE	12	12		
75TH ST AND DUNHAM RD	12	12		
75TH ST AND LEMONT RD	52			
75TH ST AND LYMAN AVE	12	6		
75TH ST AND FAIRMOUNT AVE	12	6		
75TH ST AND FAIRVIEW AVE	12	6		
75TH ST AND EXNER RD / WILLIAMS ST	12	6		
75TH ST AND ADAMS ST	12	6		
75TH ST AND CASS AVE	12	18		
75TH ST AND PLAINFIELD RD	24			
DIEHL RD AND NALCO EAST ENTR	4			
DIEHL RD AND TELLABS DR	8			
DIEHL RD AND RAYMOND DR	10			
DIEHL RD AND DAVIS PKWY	12			
DIEHL RD AND WINFIELD RD	12	12		
DIEHL RD AND BULGER CT / WEAVER PKWY	12	6		
DIEHL RD AND MILL ST	6	6	6	
DIEHL RD AND FREEDOM DR	18	12		
DIEHL RD AND NAPERVILLE RD	18	18		
FERRY RD AND RAYMOND DR	16			
FERRY RD AND RIVER RD	12	10		
FERRY RD AND TORCH PKWY	12	10		
FERRY RD AND WINFIELD RD	42	4		
FERRY RD AND CHASE CT / BELLA VISTA PKWY	12	10		
FERRY RD / MILL ST AND WARRENVILLE RD	12	16		
WARRENVILLE RD AND HERRICK RD	12	10		
WARRENVILLE RD AND WASHINGTON ST	40		8	
WARRENVILLE RD AND ILLINOIS HOSPITAL AND H.S.A. ENTRANCE	12	18		
WARRENVILLE RD AND WEST LUCENT LN / FREEDOM DR	18	18		
WARRENVILLE RD AND NAPERVILLE RD	54			
WARRENVILLE RD AND NAVISTAR DR	12	6		
WARRENVILLE RD AND CABOT DR	12	6		
WARRENVILLE RD AND LEASK LN	12	6		
WARRENVILLE RD AND YACKLEY AVE	6			
SUBTOTAL 1	796	354	76	100

INTERSECTION/LOCATION	INCLUDED IN THE COST OF NEW FIBER		X1400217	X1400219
	# OF TERMINATIONS	# OF SPLICES	TERMINATE FIBER	SPLICE FIBER
			IN CABINET	IN CABINET
			EACH	EACH
IL RTE 38 (ROOSEVELT RD) AND COUNTY FARM RD	8	4		
IL RTE 38 (ROOSEVELT RD) AND HAZELTON AVE	8	4		
IL RTE 38 (ROOSEVELT RD) AND SADDLE RD	8	4		
IL RTE 38 (ROOSEVELT RD) AND CARLTON AVE	8	4		
IL RTE 38 (ROOSEVELT RD) AND WEST ST	8	4		
IL RTE 38 (ROOSEVELT RD) AND MAIN ST	4	4	4	
IL RTE 38 (ROOSEVELT RD) AND NAPERVILLE RD	4	4	4	
WINFIELD RD AND I-88 (SOUTH)	12	6		
WINFIELD RD AND I-88 (NORTH)	12	6		
WINFIELD RD AND TORCH PKWY	12			
WINFIELD RD AND WARRENVILLE RD	6			
MILL ST AND BAUER RD			12	
MILL ST AND BELLA VISTA PKWY	12			
FREEDOM DRIVE AND INDEPENDENCE AVE	12	18		
FREEDOM DRIVE AND I-88 SOUTH (RAMP B)	12	18		
FREEDOM DRIVE AND I-88 NORTH (RAMD E AND D)	12	18		
NAPER BLVD AND BAILEY RD			8	
NAPER BLVD AND MARKET MEADOW / FOX RUN	12	6	8	4
NAPER BLVD AND HOBSON RD	12	6		8
NAPER BLVD AND CULPEPPER DR	12	6	8	4
NAPER BLVD AND GREEN TRAILS DR	12	6	8	4
NAPER BLVD AND DUNROBIN RD	12	6	8	
NAPER BLVD AND MAPLE AVE	12			
NAPER BLVD AND PLANK RD	10			
NAPER BLVD AND US RTE 34 (OGDEN AVE)	44	4		
NAPER BLVD AND TOWER CROSSING	12	18		
NAPER BLVD AND RIDGELAND AVE	12	18		
NAPERVILLE RD AND CENTRAL PARK OF LISLE ENTRANCE	12	6		
NAPERVILLE RD AND WEST LUCENT LN / EAST LUCENT LN	24	6		
NAPERVILLE RD AND FH BELLINGER PKWY	24	6		
NAPERVILLE RD AND IL RTE 56 (BUTTERFIELD RD)	24	6		
NAPERVILLE RD AND DANADA SQ	24			
NAPERVILLE RD AND W LOOP RD / E LOOP RD	12	6		
NAPERVILLE RD AND BLANCHARD RD	12	12		
NAPERVILLE RD AND DANADA DR	12	6		
NAPERVILLE RD AND LONGFELLOW DR	12	6		
NAPERVILLE RD AND FARNHAM LN	12	6		
NAPERVILLE RD AND ELM ST	20			
LEMONT RD AND CHESTNUT COURT ENTRANCE	12			
LEMONT RD AND THE GROVE SHOPPING CENTER	12	6		
LEMONT RD AND DUNHAM RD	6			
PLAINFIELD RD AND MANNING RD			6	
PLAINFIELD RD AND BAILEY RD			12	6
PLAINFIELD RD AND CASS AVE	6	6	6	
RAYMOND DR AND MCDOWELL RD	6			
COUNTY FARM RD AND WILLIAMS ST	8	4	2	
COUNTY FARM RD AND MANCHESTER RD	4	4	2	
WASHINGTON ST AND HOBSON RD	12			8
U.S. ROUTE 34 (OGDEN AVE) AND IROQUOIS AVE	6			
U.S. ROUTE 34 (OGDEN AVE) AND NAPERVILLE-WHEATON RD	12	6		
BLANCHARD RD AND TOWN SQUARE ACCESS DR	12			
COUNTY FARM RD AND MAIN ENTRANCE				4
MILL ST AND COMMONS DR			12	6
75TH ST AND I-355 (WEST)	24	18		
SUBTOTAL 2	596	268	100	44



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FIBER LAYOUT SCHEDULE


SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	239
			CONTRACT NO.	61F05
		ILLINOIS	FED. AID PROJECT	

INTERSECTION/LOCATION	INCLUDED IN THE COST OF NEW FIBER		X1400217	X1400219
	# OF TERMINATION	# OF SPLICES	TERMINATE FIBER IN CABINET	SPLICE FIBER IN CABINET
			EACH	EACH
* COUNTY BUILDING 130			4	
* TOLL PLAZA 85 (I-355 SB RAMP)			24	
* NAPERVILLE MUNICIPAL BUILDING			8	
** WASHINGTON AND BIG HORN				8
** WASHINGTON AND SHUMAN				8
** WASHINGTON AND DIEHL				8
** WASHINGTON AND IROQUOIS				8
** WASHINGTON AND BAUER				8
** WASHINGTON AND US 34				8
** WASHINGTON AND 5TH				8
** WASHINGTON AND NORTH				8
** WASHINGTON AND SCHOOL				8
** WASHINGTON AND BENTON				8
** WASHINGTON AND VAN BUREN				8
** WASHINGTON AND JEFFERSON				8
** WASHINGTON AND CHICAGO				8
** WASHINGTON AND AURORA				12
** WASHINGTON AND HILLSIDE				8
** WASHINGTON AND MARTIN				8
** WASHINGTON AND OSLER				8
** WASHINGTON AND GARTNER				8
** WASHINGTON AND BAILEY				4
** WASHINGTON AND 87TH				4
** WASHINGTON AND RING				4
** WASHINGTON AND NAPER			4	
** MAIN AND AURORA				8
** WEBSTER AND AURORA				8
SUBTOTAL 3	0	0	40	176
SUBTOTAL 1	796	354	76	100
SUBTOTAL 2	596	268	100	44
SUBTOTAL 3	0	0	40	176
TOTAL	1392	622	216	320

* WORK IN TOLLWAY BUILDING/HANDHOLE, COUNTY BUILDING, AND NAPERVILLE MUNICIPAL BUILDING SUBJECT TO ADVANCE NOTIFICATION AND APPROVAL. CONTACT DUPAGE COUNTY TRAFFIC ENGINEER MINIMUM OF 14 DAYS PRIOR TO PROPOSED START OF WORK IN THESE FACILITIES TO COORDINATE APPROVAL REQUESTS.

** MAINTENANCE OF THESE INTERESCTIONS IS NOT REQUIRED - FIBER SPLICING AND TERMINATIONS WILL BE IN EXISTING ENCLOSURE IN NAPERVILLE HANDHOLE. CONTRACTOR SHALL NOTIFY DUPAGE COUNTY TRAFFIC ENGINEER MINIMUM OF 14 DAYS PRIOR TO PROPOSED START OF WORK IN NAPERVILLE HANDHOLES TO COORDINATE AUTHORIZATION FOR ACCESS.

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 8/28/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FIBER LAYOUT SCHEDULE

SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	240
CONTRACT NO.			61F05	
ILLINOIS		FED. AID PROJECT		

FIBER NUMBER SCHEME

		TUBE			
		EXIST		PROPOSED	
		BLU	ORG	BLU	ORG
FIBER STRAND	BLU	1	13	25	37
	ORG	2	14	26	38
	GRN	3	15	27	39
	BRN	4	16	28	40
	SLT	5	17	29	41
	WHT	6	18	30	42
	RED	7	19	31	43
	BLK	8	20	32	44
	YEL	9	21	33	45
	VIO	10	22	34	46
	ROSE	11	23	35	47
	AQUA	12	24	36	48

ALTERNATE FIBER NUMBER SCHEME

		TUBE							
		EXIST				PROPOSED			
		BLU	ORG	GRN	BRN	BLU	ORG	GRN	BRN
FIBER STRAND	BLU	1	7	13	19	25	31	37	43
	ORG	2	8	14	20	26	32	38	44
	GRN	3	9	15	21	27	33	39	45
	BRN	4	10	16	22	28	34	40	46
	SLT	5	11	17	23	29	35	41	47
	WHT	6	12	18	24	30	36	42	48

- PROPOSED DUDOT FIBER
- EXISTING DUDOT FIBER
- EXISTING NAPERVILLE FIBER
- PROPOSED TERMINATION
- PROPOSED SPLICE
- EXISTING TERMINATION



DuPage County
Division of Transportation

DESIGNED - DG	REVISED -
DRAWN - YM	REVISED -
CHECKED - DG	REVISED -
DATE - 2018.07.23	REVISED -

FIBER SPLICING DIAGRAMS
COVER

ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
			C	10

SCALE N/A



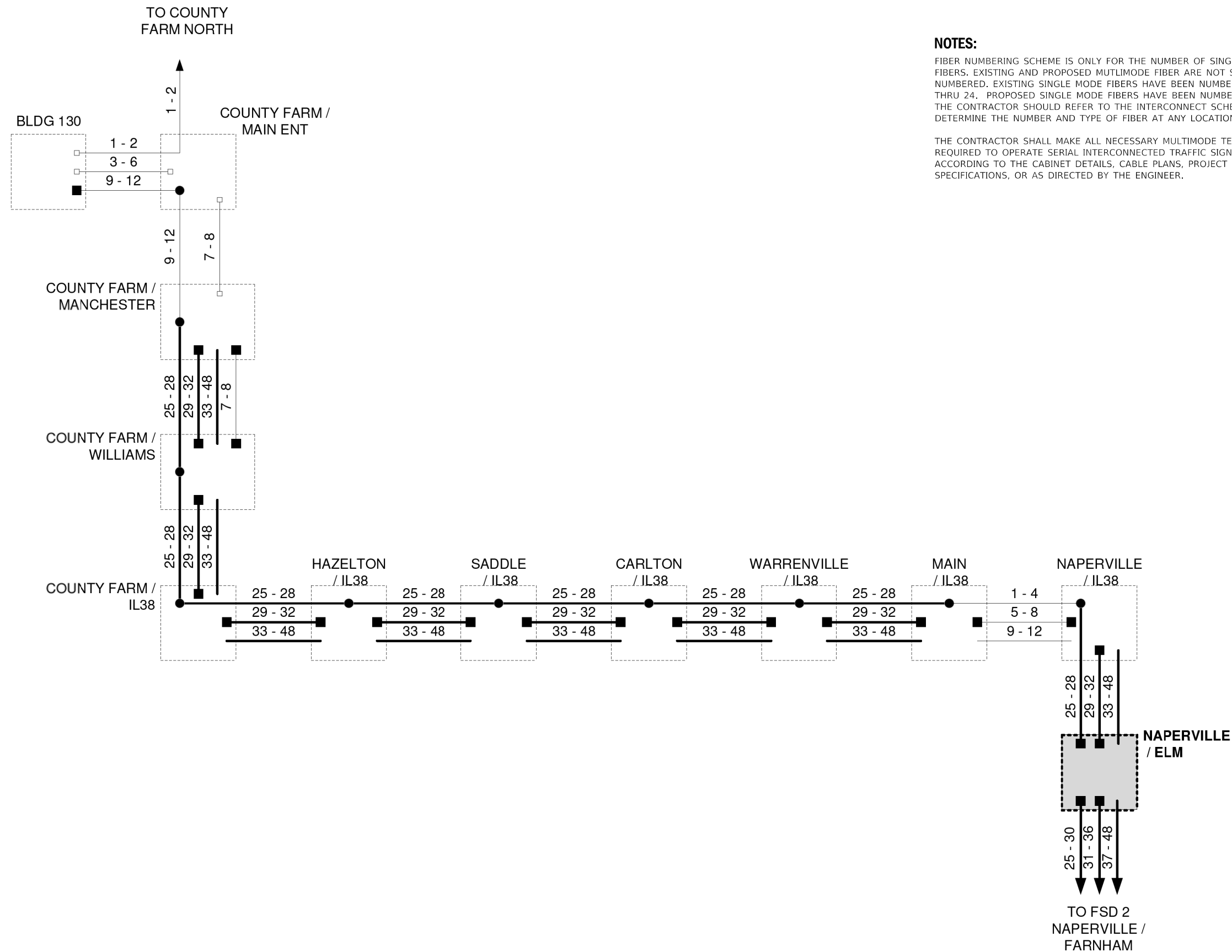
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PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAMS

SCALE: NTS SHEET 1 OF 11 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	241
CONTRACT NO.			61F05	



NOTES:

FIBER NUMBERING SCHEME IS ONLY FOR THE NUMBER OF SINGLE MODE FIBERS. EXISTING AND PROPOSED MULTIMODE FIBER ARE NOT SHOWN OR NUMBERED. EXISTING SINGLE MODE FIBERS HAVE BEEN NUMBERED 1 THRU 24. PROPOSED SINGLE MODE FIBERS HAVE BEEN NUMBERED 25-48. THE CONTRACTOR SHOULD REFER TO THE INTERCONNECT SCHEMATIC TO DETERMINE THE NUMBER AND TYPE OF FIBER AT ANY LOCATION.

THE CONTRACTOR SHALL MAKE ALL NECESSARY MULTIMODE TERMINATIONS REQUIRED TO OPERATE SERIAL INTERCONNECTED TRAFFIC SIGNAL SYSTEMS ACCORDING TO THE CABINET DETAILS, CABLE PLANS, PROJECT SPECIFICATIONS, OR AS DIRECTED BY THE ENGINEER.



DuPage County
Division of Transportation

DESIGNED - DG	REVISED -
DRAWN - YM	REVISED -
CHECKED - DG	REVISED -
DATE - 2018.07.23	REVISED -

FIBER SPLICING DIAGRAM
FSD 1

ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
			1	10

SCALE N/A



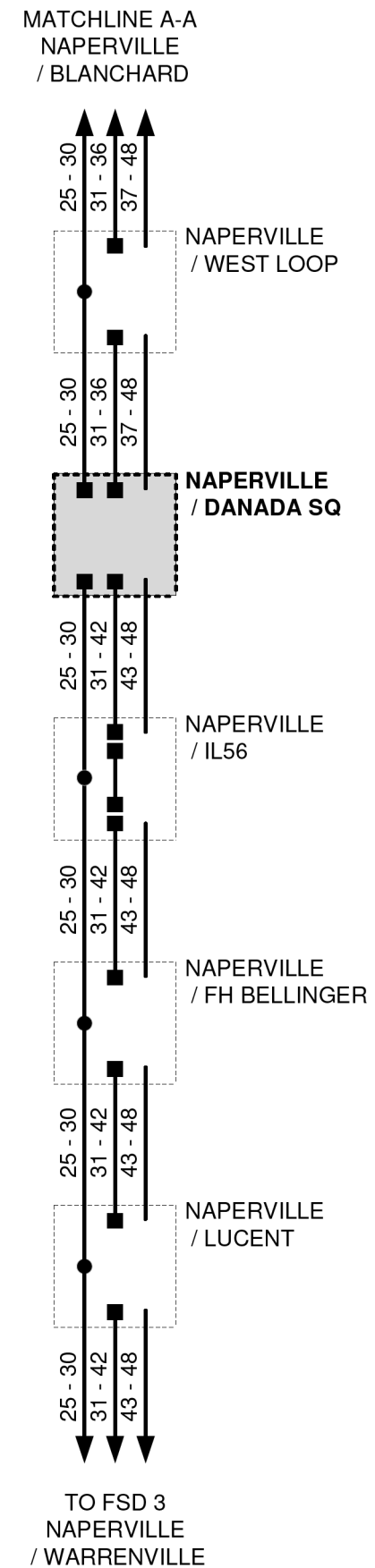
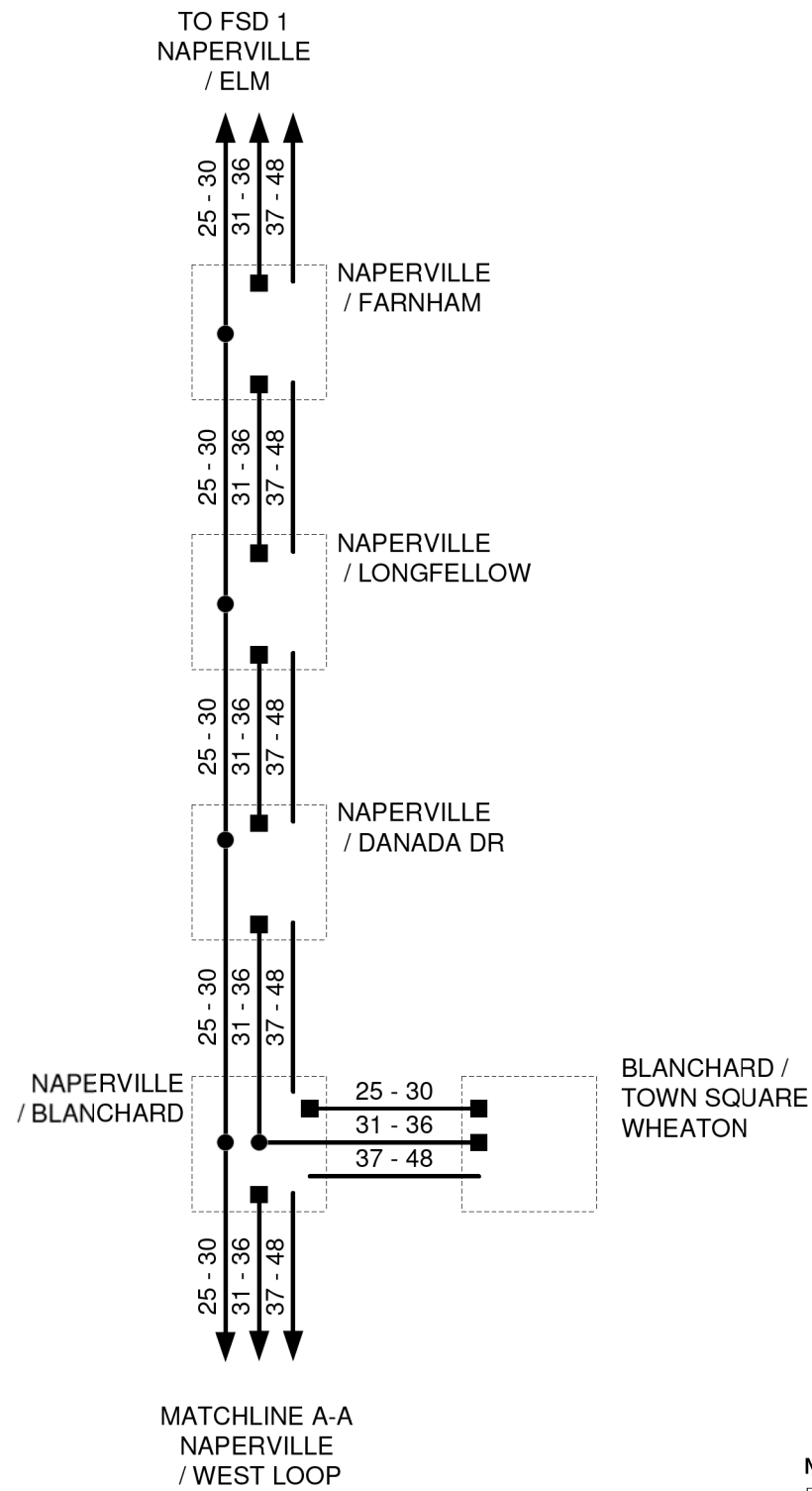
USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAMS

SCALE: NTS SHEET 2 OF 11 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	242
CONTRACT NO. 61F05				



NOTES:

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DuPage County
Division of Transportation

DESIGNED - DG	REVISED -
DRAWN - YM	REVISED -
CHECKED - DG	REVISED -
DATE - 2018.07.23	REVISED -

FIBER SPLICING DIAGRAM
FSD 2

ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
			2	10

SCALE: N/A



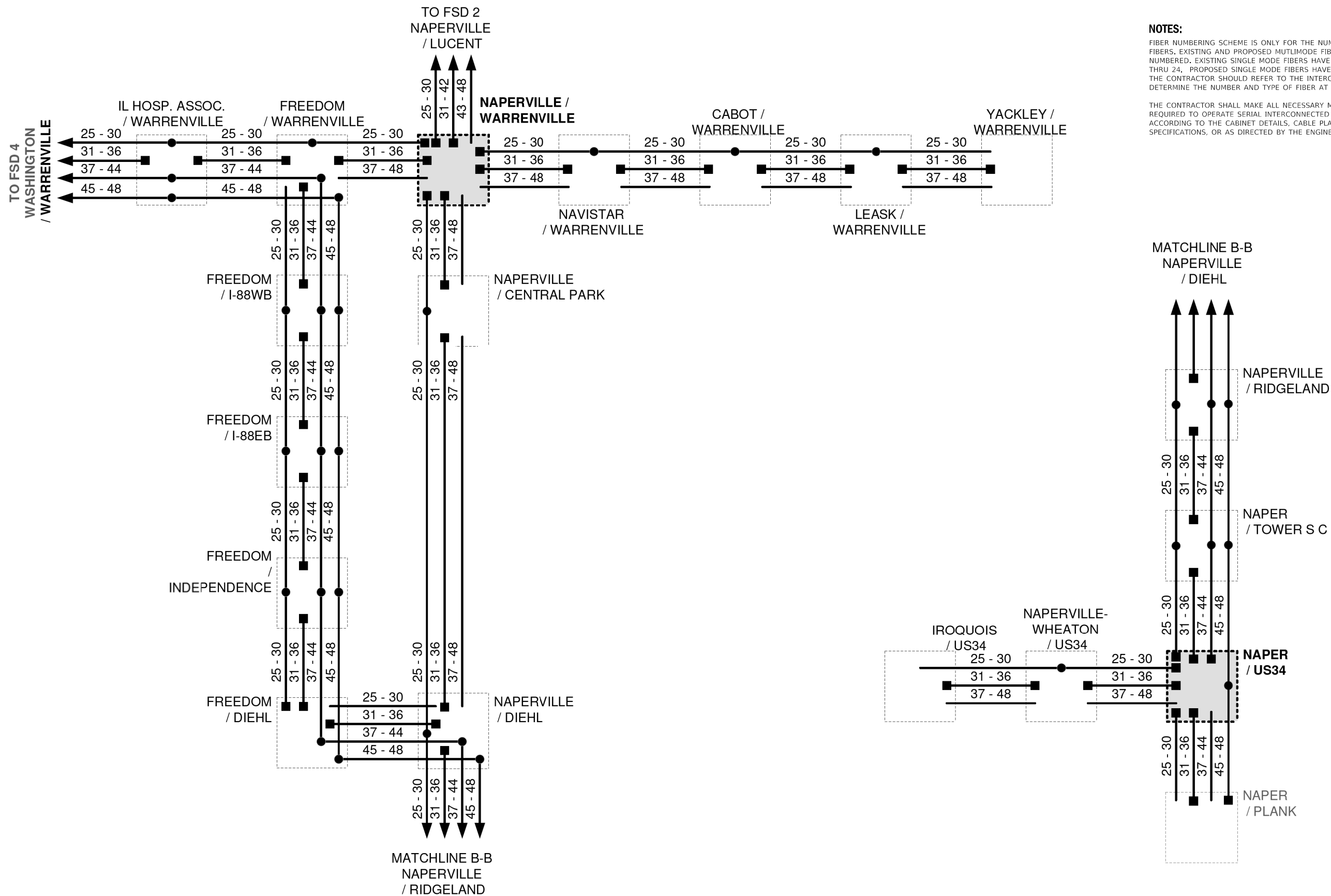
USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAMS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	243
			CONTRACT NO.	61F05

SCALE: NTS SHEET 3 OF 11 SHEETS STA. TO STA.



NOTES:

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DuPage County
Division of Transportation

DESIGNED - DG	REVISED -
DRAWN - YM	REVISED -
CHECKED - DG	REVISED -
DATE - 2018.07.23	REVISED -

FIBER SPLICING DIAGRAM
FSD 3

ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
			3	10

SCALE N/A



USER NAME = zhoerbert
DESIGNED - DW
DRAWN - RG
PLOT SCALE = 40,0000' / in.
CHECKED - ZH
PLOT DATE = 8/28/2018
DATE -

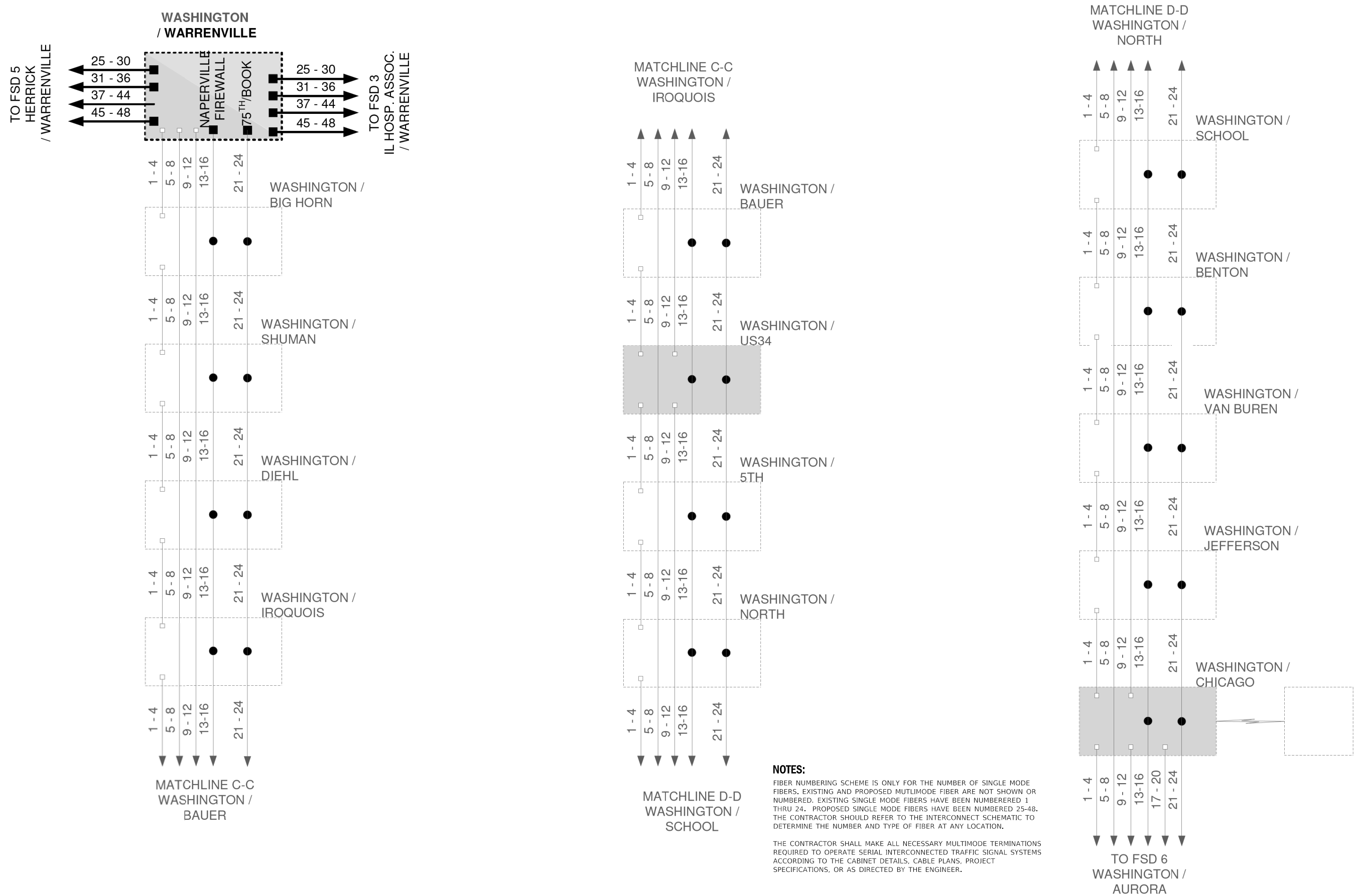
DESIGNED - DW	REVISED -
DRAWN - RG	REVISED -
CHECKED - ZH	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAMS

SCALE: NTS SHEET 4 OF 11 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	244
			CONTRACT NO.	61F05



NOTES:
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DuPage County
 Division of Transportation

DESIGNED - DG	REVISED -
DRAWN - YM	REVISED -
CHECKED - DG	REVISED -
DATE - 2018.07.23	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAM
 FSD 4

ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
			4	10

SCALE: N/A

FIBER SPLICING DIAGRAMS

SCALE: NTS SHEET 5 OF 11 SHEETS STA. TO STA.

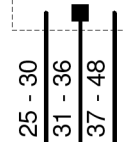
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	245
CONTRACT NO.			61F05	



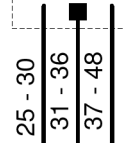
USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
	DATE -	REVISED -

DESIGNED - DW	REVISED -
DRAWN - RG	REVISED -
CHECKED - ZH	REVISED -
DATE -	REVISED -

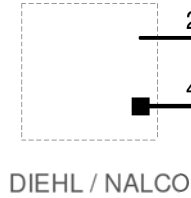
WINFIELD / WARRENVILLE



WINFIELD / TORCH

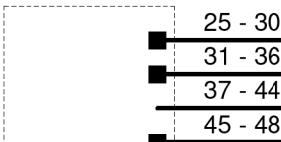


MATCHLINE E-E
FERRY / WINFIELD

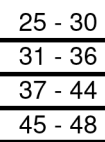


DIEHL / TELLABS

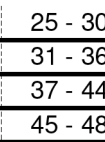
FERRY / RAYMOND



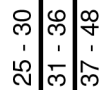
FERRY / RIVER



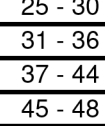
FERRY / TORCH



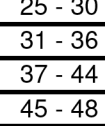
MATCHLINE E-E
WINFIELD / TORCH



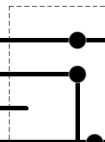
FERRY / WINFIELD



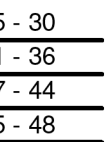
FERRY / CHASE



MILL / WARRENVILLE



HERRICK / WARRENVILLE



TO FSD 4
WASHINGTON / WARRENVILLE

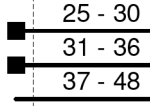
WINFIELD / I88WB

MILL / BELLAVISTA

WINFIELD / I88EB

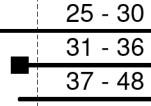
DIEHL / RAYMOND

DIEHL / DAVIS

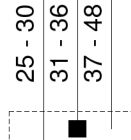


WINFIELD / DIEHL

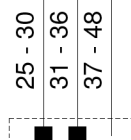
DIEHL / BULGER



DIEHL / MILL



MILL / COMMONS



MILL / BAUER

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DuPage County
Division of Transportation

DESIGNED - DG	REVISIONS
DRAWN - YM	REVISIONS
CHECKED - DG	REVISIONS
DATE - 2018.07.23	REVISIONS

FIBER SPLICING DIAGRAM
FSD 5

ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
			5	10

SCALE N/A



USER NAME = zhoerbert	DESIGNED - DW	REVISIONS
PLOT SCALE = 40,0000' / in.	DRAWN - RG	REVISIONS
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISIONS
	DATE -	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAMS

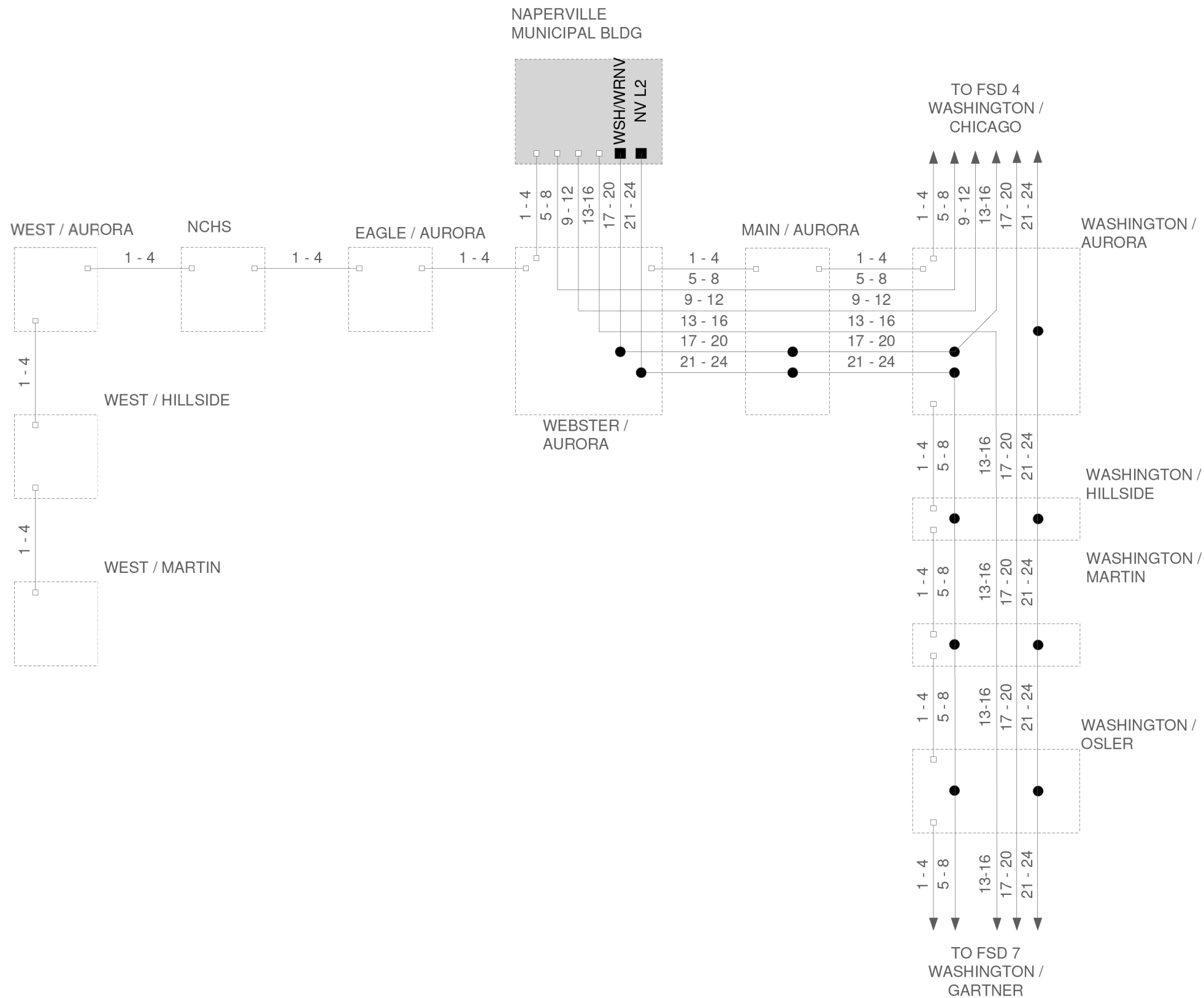
SCALE: NTS SHEET 6 OF 11 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	246
			CONTRACT NO.	61F05
ILLINOIS FED. AID PROJECT				

NOTES:

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DuPage County
Division of Transportation

DESIGNED - DG	REVISÉ -
DRAWN - YM	REVISÉ -
CHECKED - DG	REVISÉ -
DATE - 2018.07.23	REVISÉ -

FIBER SPLICING DIAGRAM
FSD 6

ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
			6	10

SCALE N/A



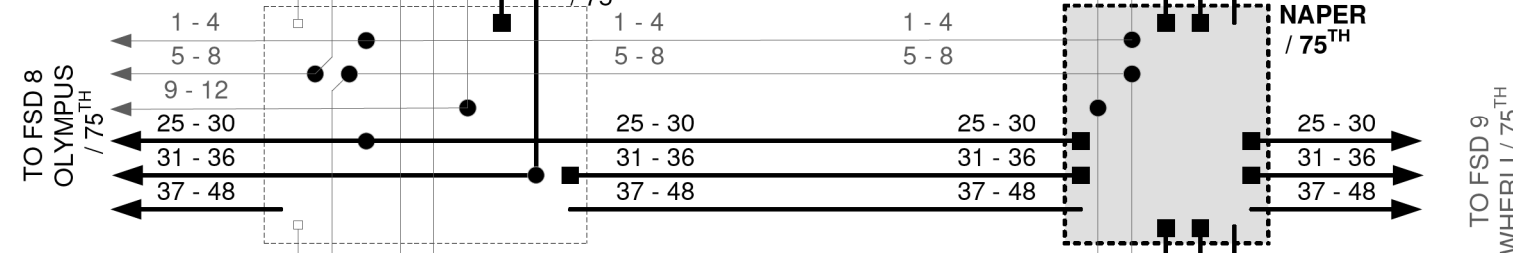
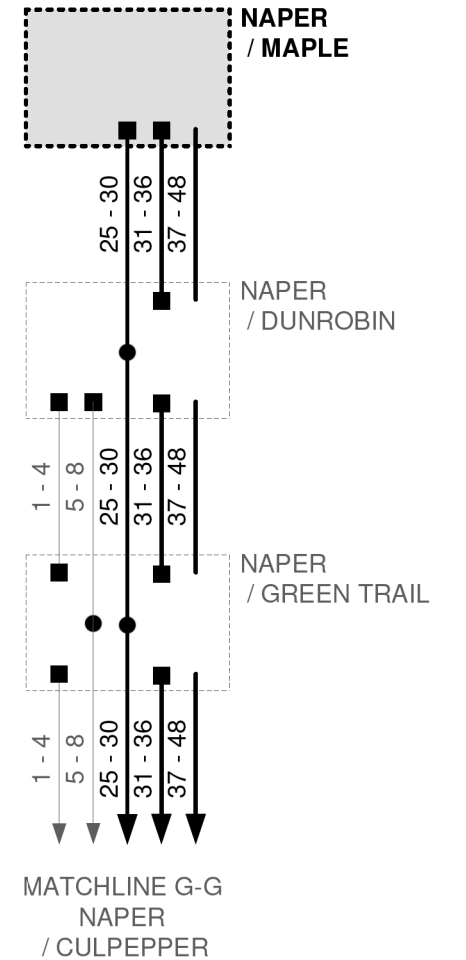
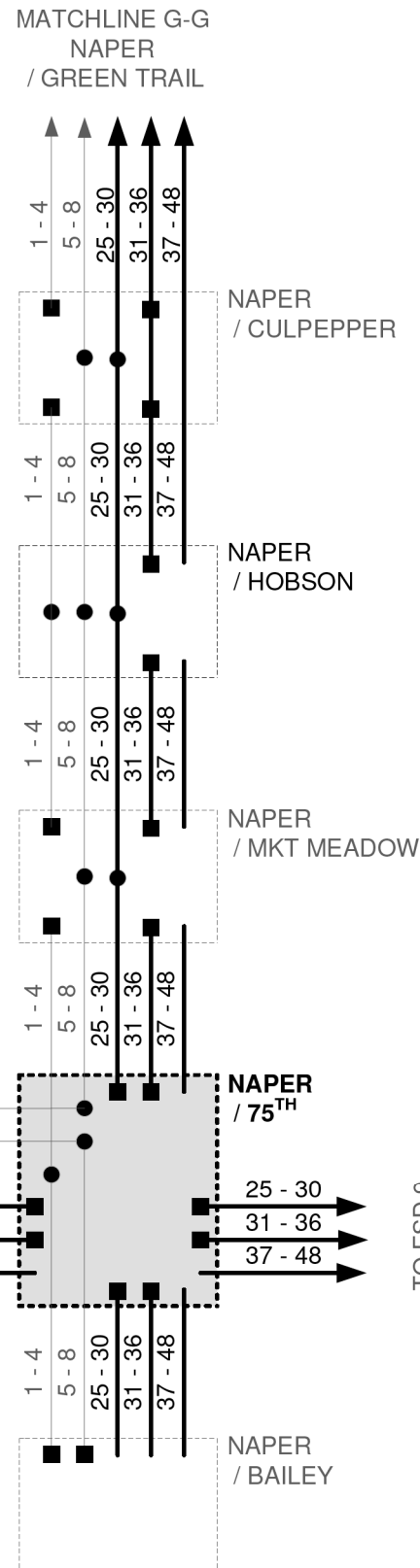
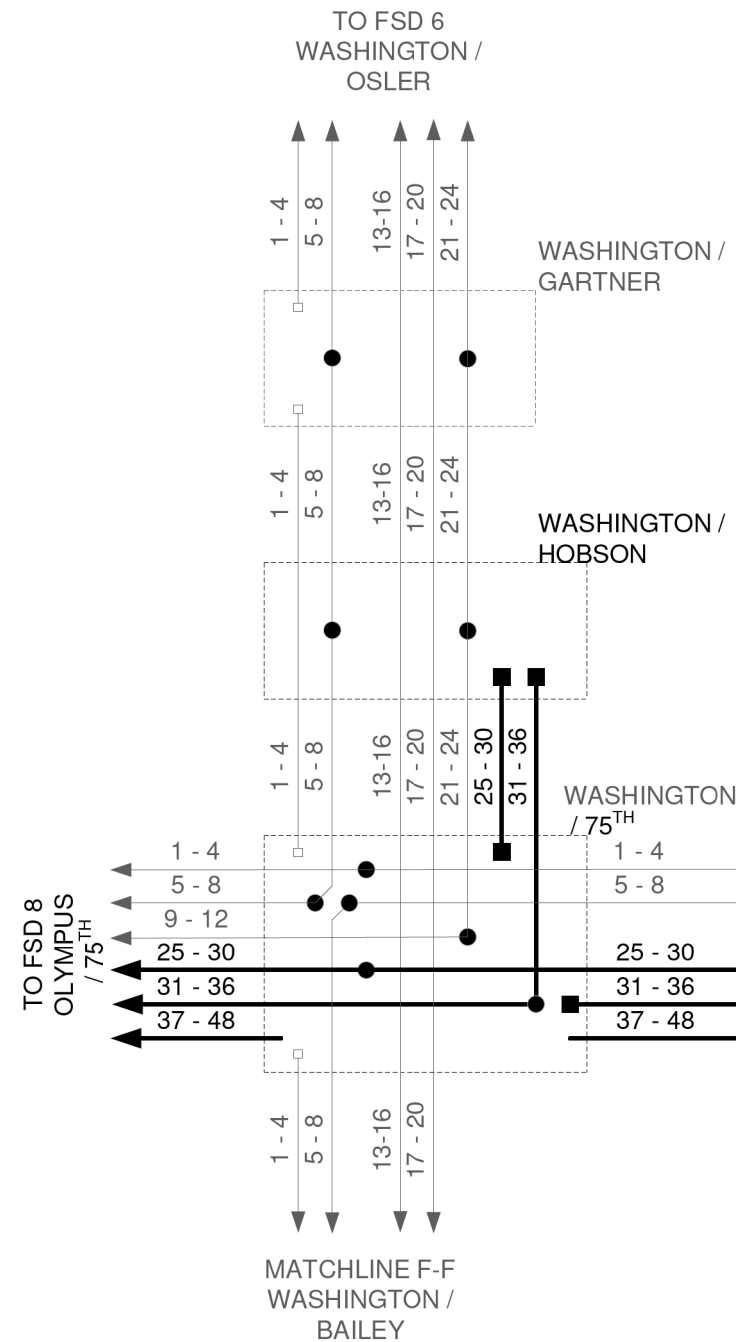
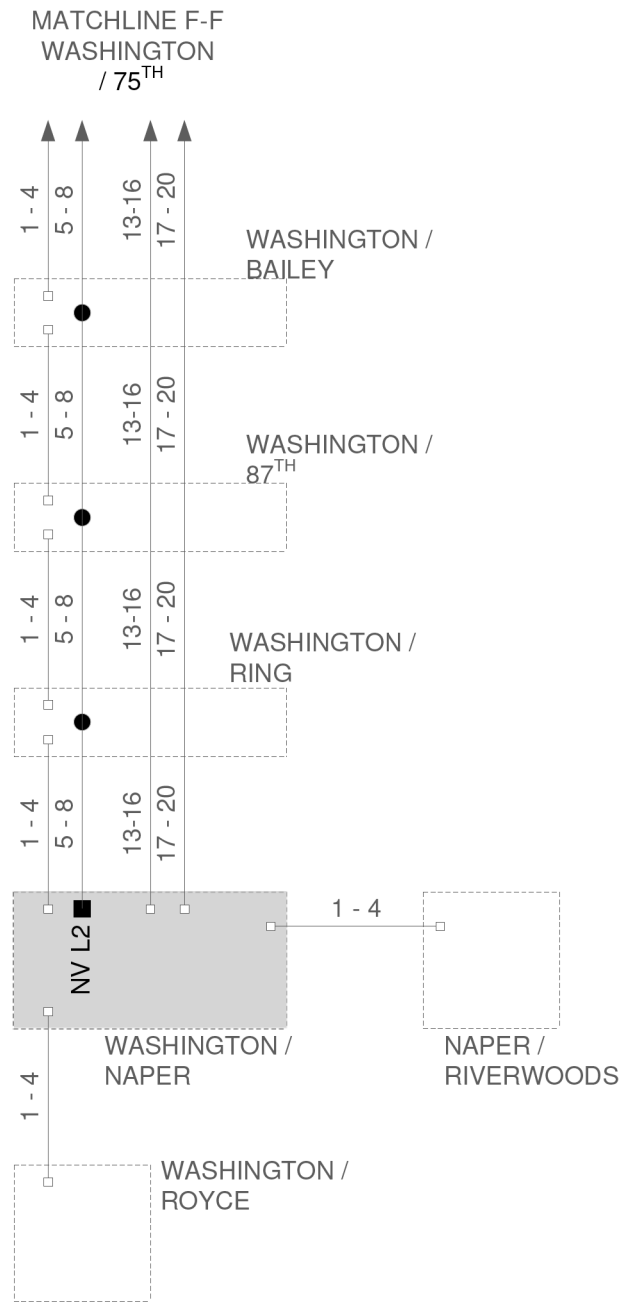
USER NAME = zhoerbert	DESIGNED - DW	REVISÉ -
PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISÉ -
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISÉ -
	DATE -	REVISÉ -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAMS

SCALE: NTS SHEET 7 OF 11 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	247
			CONTRACT NO.	61F05



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DuPage County
Division of Transportation

DESIGNED - DG	REVISED -
DRAWN - YM	REVISED -
CHECKED - DG	REVISED -
DATE - 2018.07.23	REVISED -

FIBER SPLICING DIAGRAM
FSD 7

ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
			7	10

SCALE N/A



USER NAME = zhoerbert
DESIGNED - DW
DRAWN - RG
CHECKED - ZH
PLOT DATE = 8/28/2018

DESIGNED - DW	REVISED -
DRAWN - RG	REVISED -
CHECKED - ZH	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAMS

SCALE: NTS SHEET 8 OF 11 SHEETS STA. TO STA.

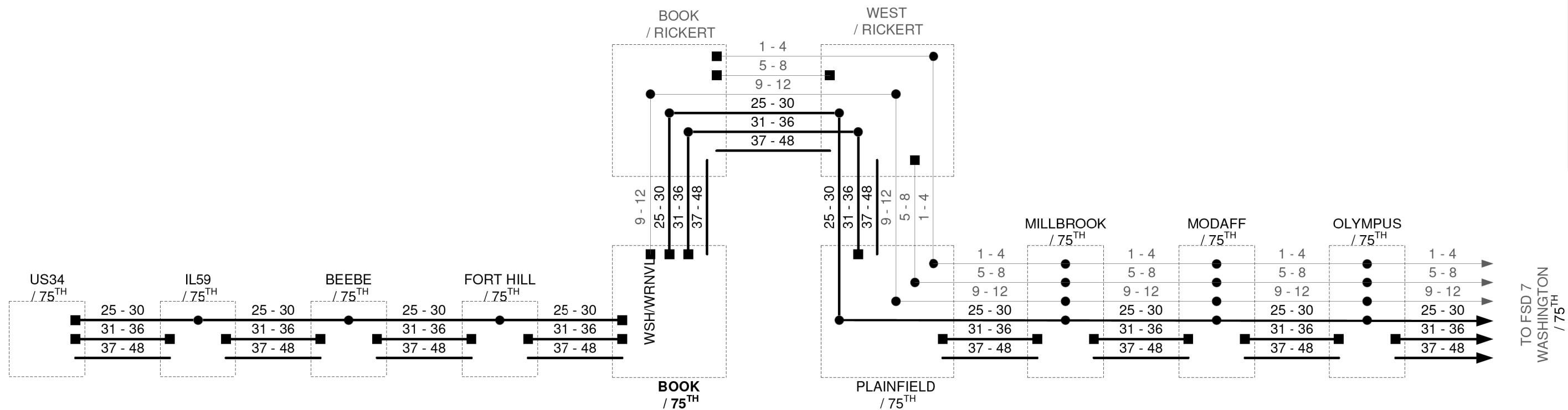
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	248
CONTRACT NO.			61F05	

ILLINOIS FED. AID PROJECT

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DuPage County
Division of Transportation

DESIGNED - DG	REVISED -
DRAWN - YM	REVISED -
CHECKED - DG	REVISED -
DATE - 2018.07.23	REVISED -

FIBER SPLICING DIAGRAM
FSD 8

SCALE N/A	
-----------	--

ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
			8	10



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
	DATE -	REVISED -

DESIGNED - DW	REVISED -
DRAWN - RG	REVISED -
CHECKED - ZH	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

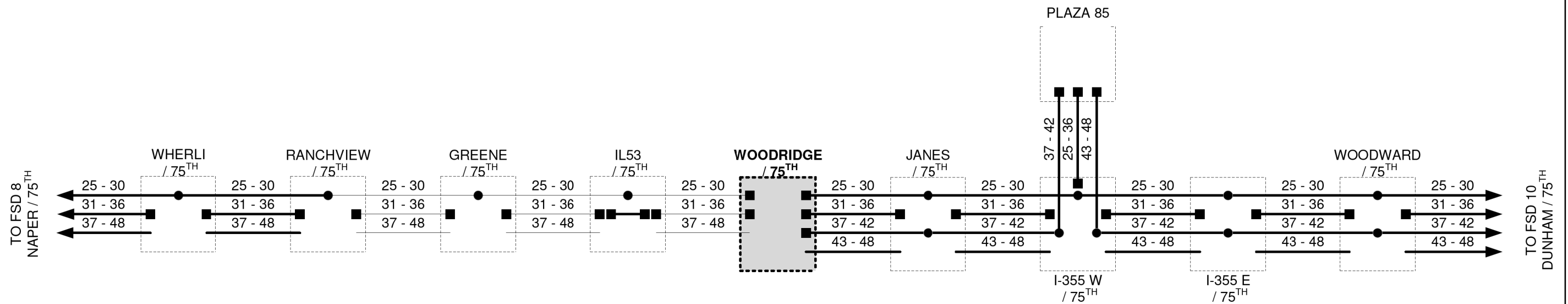
FIBER SPLICING DIAGRAMS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	249
			CONTRACT NO.	61F05

NOTES:

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DuPage County
Division of Transportation

DESIGNED - DG	REVISED -
DRAWN - YM	REVISED -
CHECKED - DG	REVISED -
DATE - 2018.07.23	REVISED -

DUPAGE COUNTY
DIVISION OF TRANSPORTATION

ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
			9	10

SCALE: N/A



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAMS

SCALE: NTS SHEET 10 OF 11 SHEETS STA. TO STA.

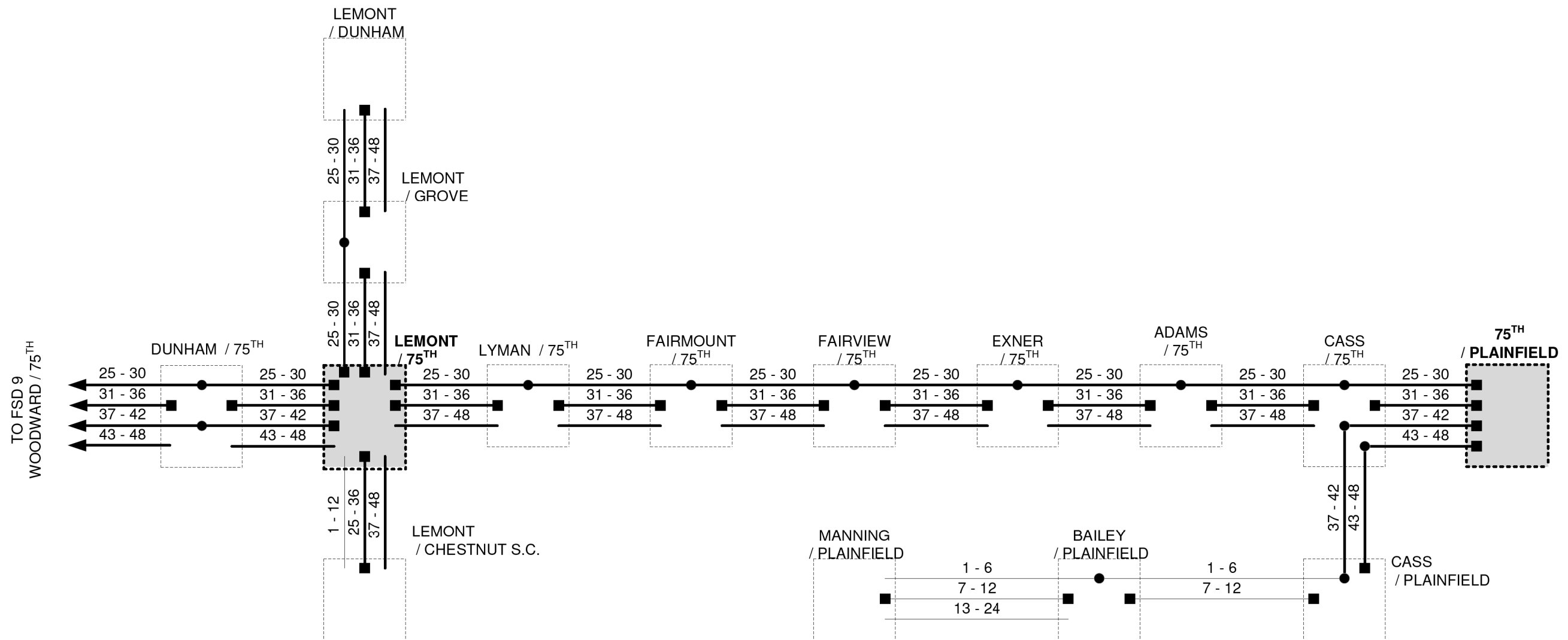
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	250
CONTRACT NO.			61F05	

ILLINOIS FED. AID PROJECT

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DuPage County
Division of Transportation

DESIGNED - DG	REVISED -
DRAWN - YM	REVISED -
CHECKED - DG	REVISED -
DATE - 2018.07.23	REVISED -

FIBER SPLICING DIAGRAM
FSD 10

ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
			10	10

SCALE: N/A



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
	DATE -	REVISED -

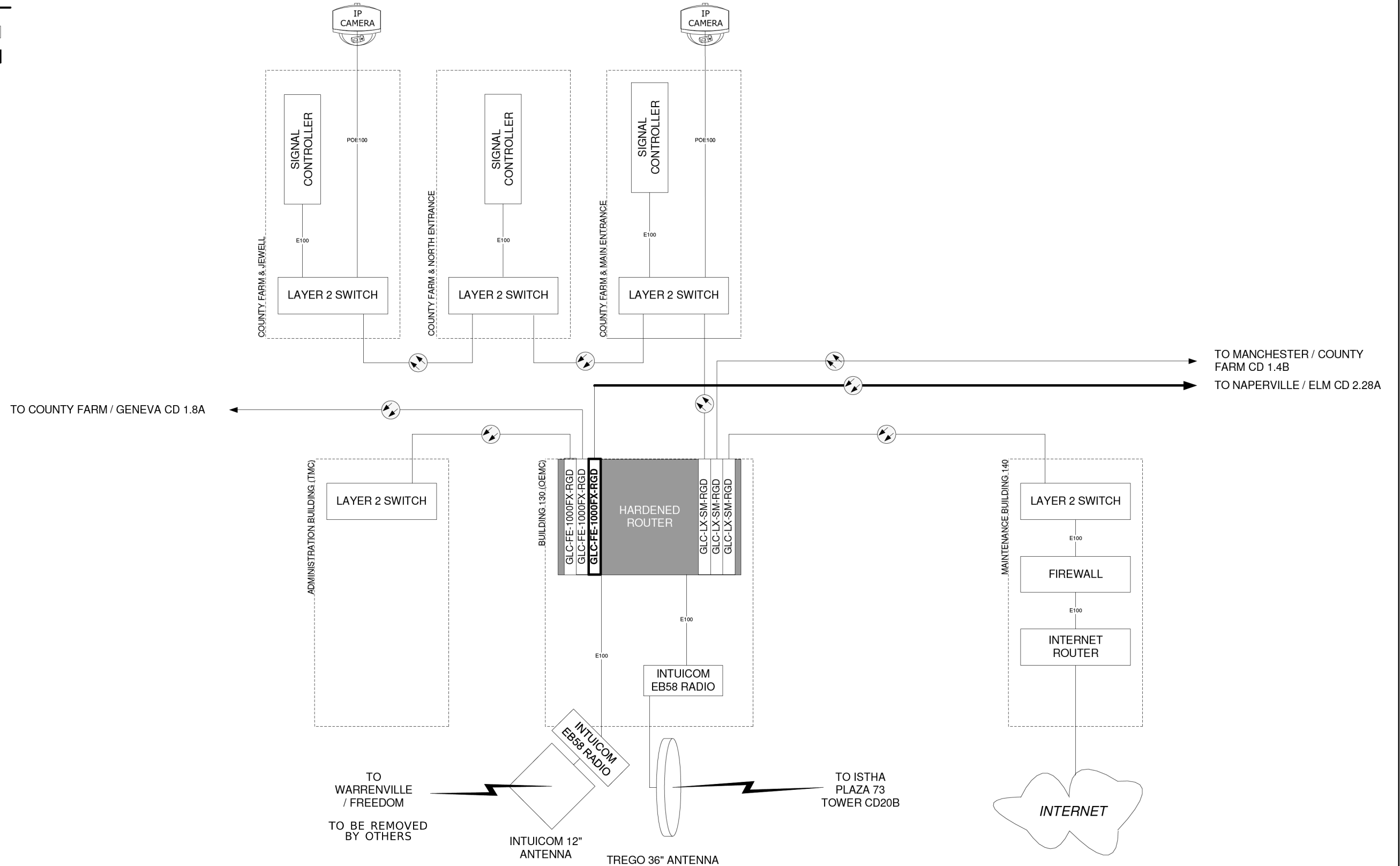
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAMS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	251
			CONTRACT NO.	61F05

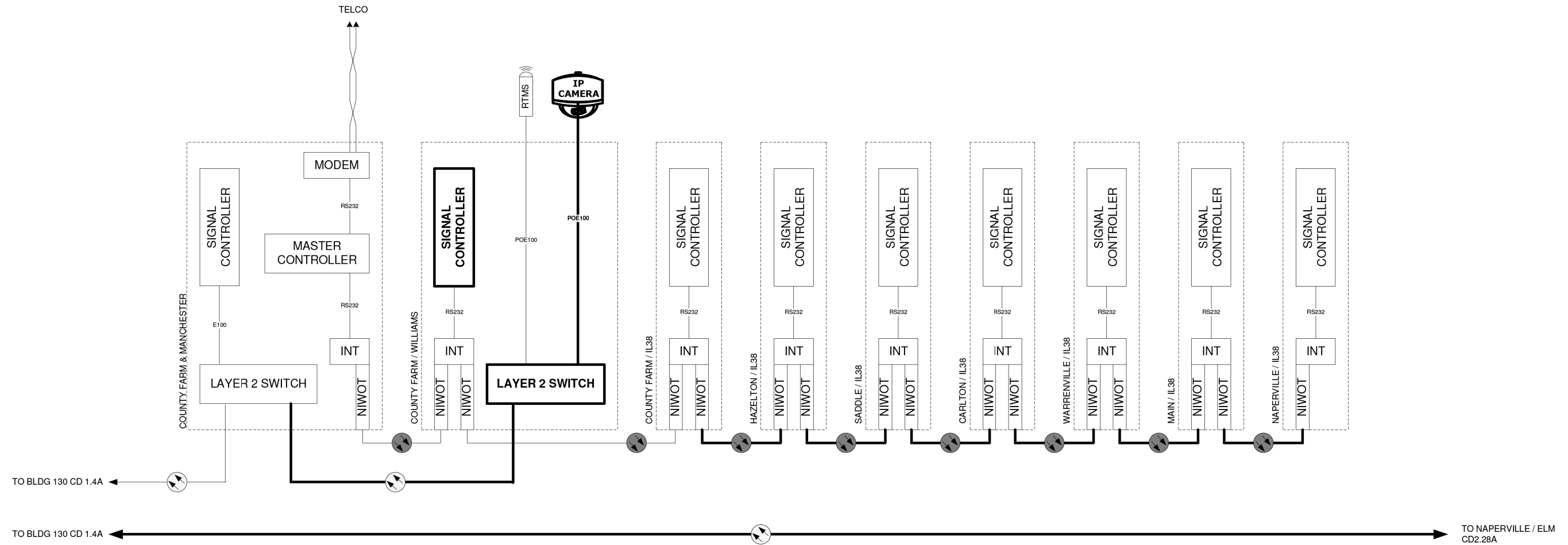
SCALE: NTS SHEET 11 OF 11 SHEETS STA. TO STA.

- EXISTING MULTIMODE CONNECTION
- NEW MULTIMODE CONNECTION
- EXISTING SINGLEMODE CONNECTION
- NEW SINGLEMODE CONNECTION
- EXISTING EQUIPMENT
- NEW EQUIPMENT









DuPage County Division of Transportation	DESIGNED - DG	REVISED -	DUPAGE COUNTY DIVISION OF TRANSPORTATION	ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS	
	DRAWN - YM	REVISED -					1.4A	10	
	CHECKED - DG	REVISED -							
	DATE - 2018.07.25	REVISED -							

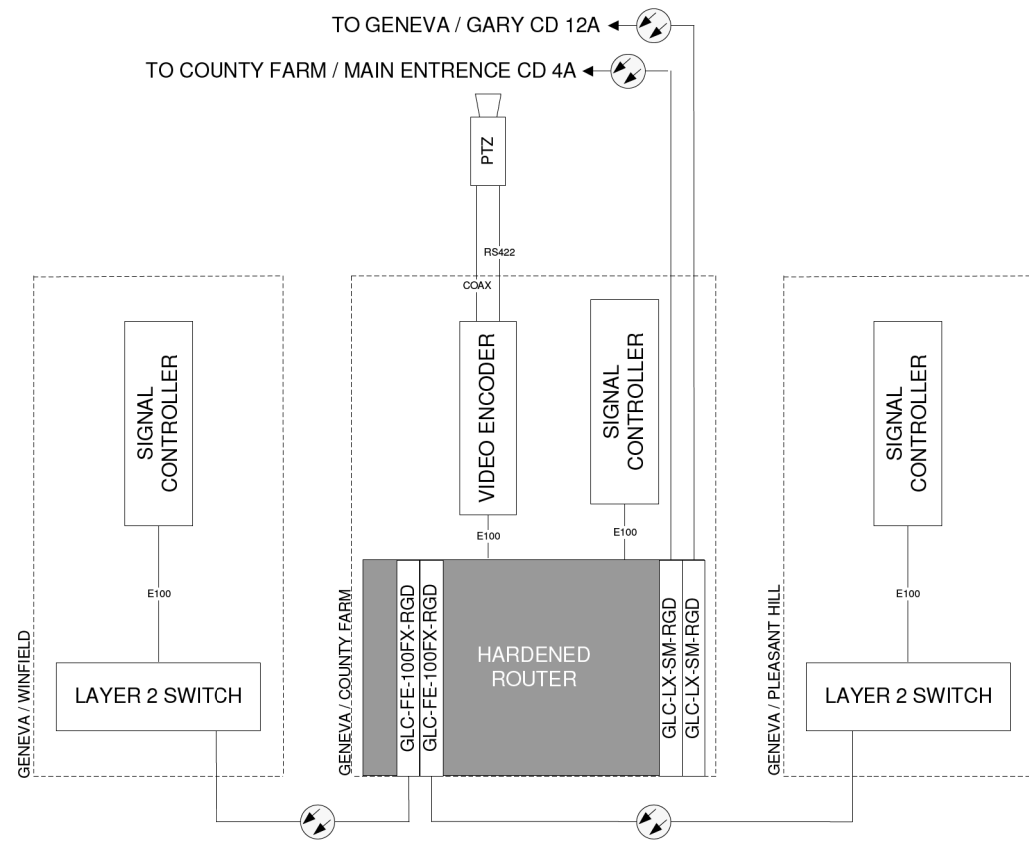
	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABINET DETAIL SHEETS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -		SCALE: NTS	SHEET 1	OF 13 SHEETS	STA.	TO STA.	17-DCCSS-01-TL	DUPAGE	277	252
	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -								CONTRACT NO. 61F05		





<p>DuPage County Division of Transportation</p>	DESIGNED - DG	REVISED -	<p>CABINET DETAIL 1.4B COUNTY FARM / MAIN ENTRANCE</p>	ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
	DRAWN - YM	REVISED -					1.4B	10
	CHECKED - DG	REVISED -		SCALE N/A				
	DATE - 2018.07.25	REVISED -						

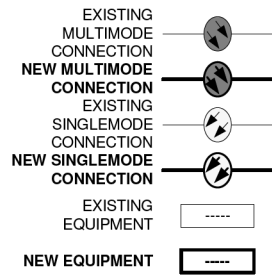
	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>CABINET DETAIL SHEETS</p>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -			VAR.	17-DCCSS-01-TL	DUPAGE	277	253
	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -					CONTRACT NO.	61F05	

- EXISTING MULTIMODE CONNECTION 
- NEW MULTIMODE CONNECTION 
- EXISTING SINGLEMODE CONNECTION 
- NEW SINGLEMODE CONNECTION 
- EXISTING EQUIPMENT 
- NEW EQUIPMENT 

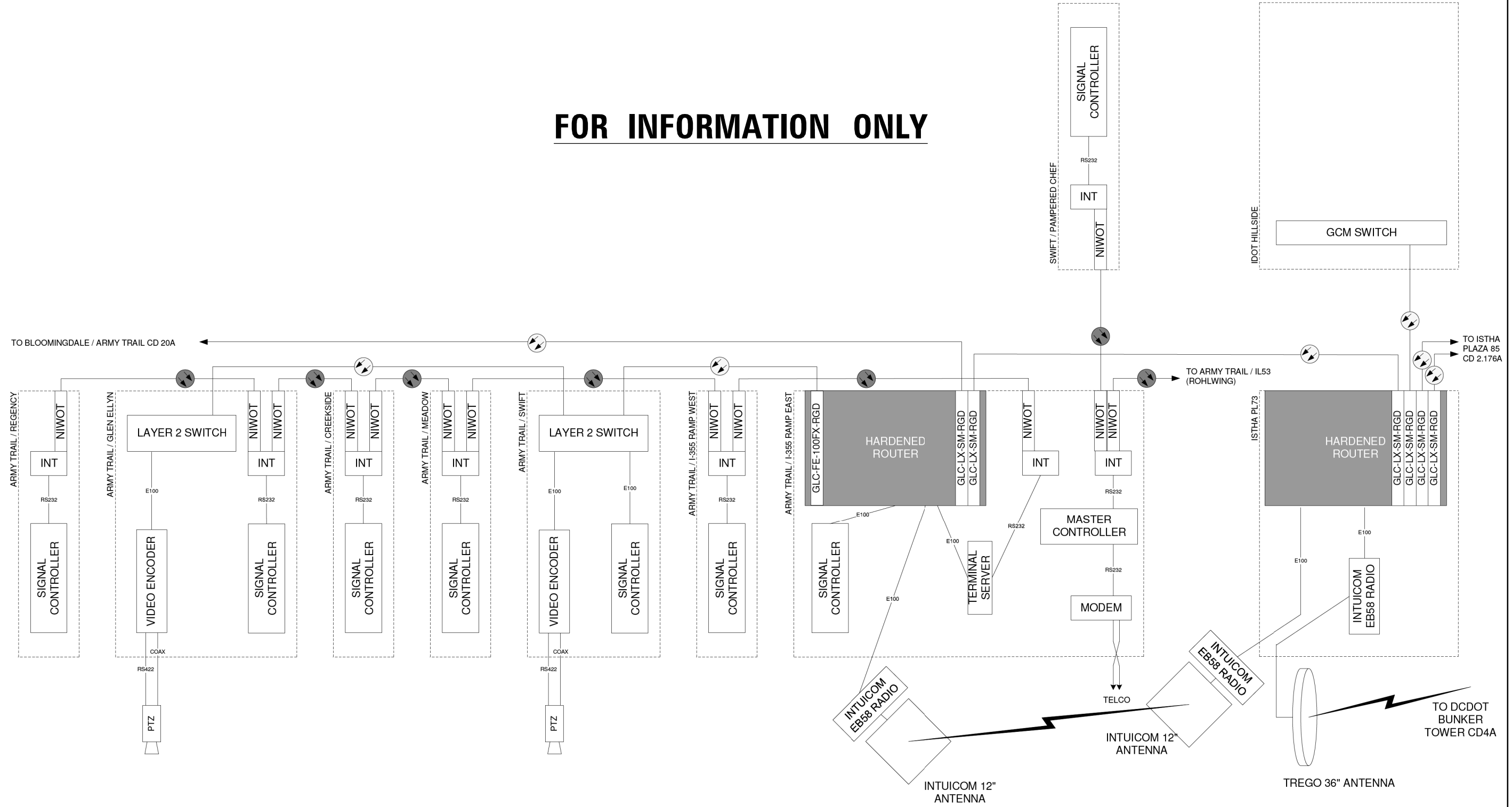


FOR INFORMATION ONLY

 DuPage County Division of Transportation	DESIGNED - DG	REVISÉD -	CABINET DETAIL 1.8A GENEVA / COUNTY FARM	ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS					
	DRAWN - YM	REVISÉD -					1.8A	10					
CHECKED - DG	REVISÉD -	SCALE N/A											
DATE - 2018.07.25	REVISÉD -												
	USER NAME = zhoerbert	DESIGNED - DW	REVISÉD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			CABINET DETAIL SHEETS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	CHECKED - ZH	REVISÉD -	SCALE: NTS SHEET 3 OF 13 SHEETS STA. TO STA.			VAR.	17-DCCSS-01-TL	DUPAGE	277	254	CONTRACT NO.	61F05
PLOT DATE = 8/28/2018	DATE -	REVISÉD -							ILLINOIS FED. AID PROJECT				

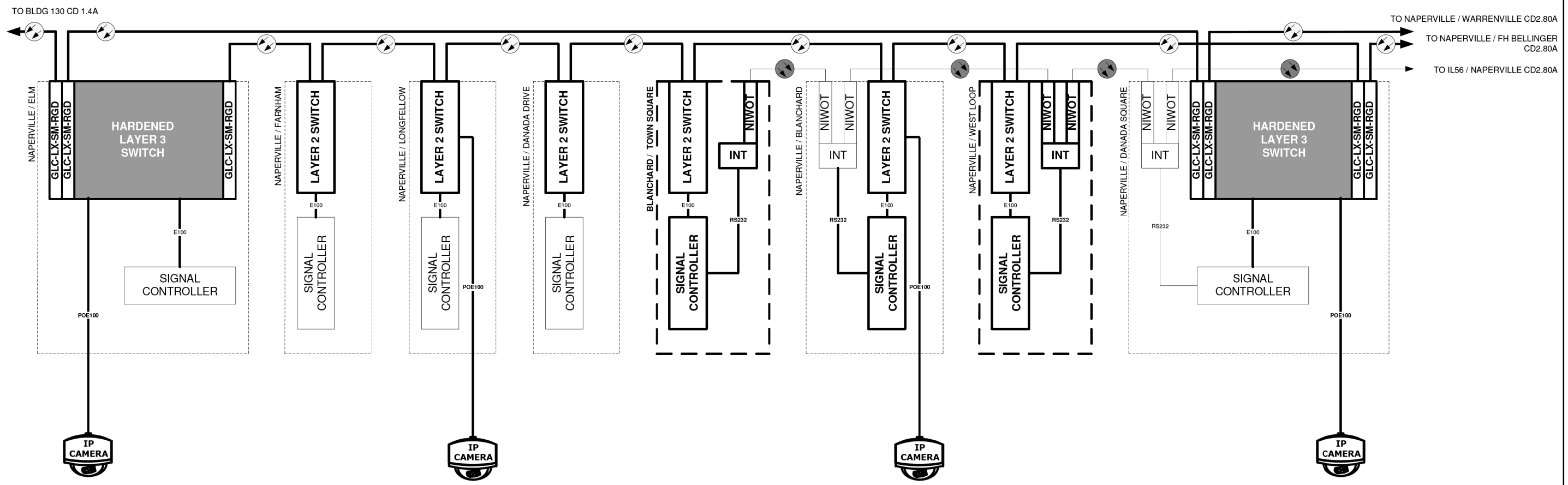
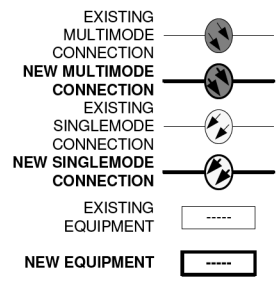


FOR INFORMATION ONLY



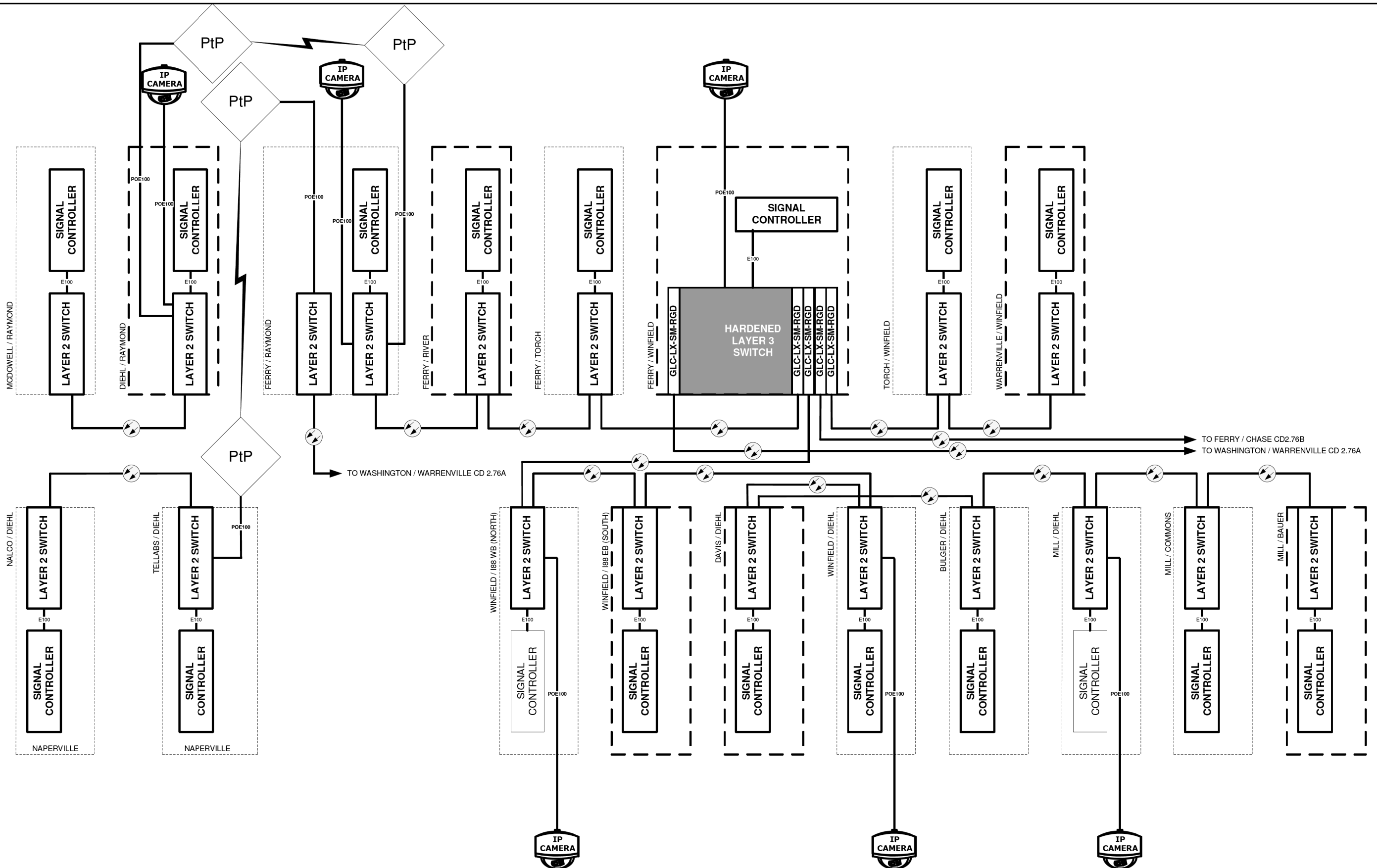
DuPage County Division of Transportation	DESIGNED - DG	REVISED -	CABINET DETAIL 1.28A I355 / ARMY TRAIL	ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
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	CHECKED - DG	REVISED -		SCALE N/A				
	DATE - 2018.07.25	REVISED -						

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABINET DETAIL SHEETS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -							ILLINOIS	FED. AID PROJECT	



DuPage County Division of Transportation	DESIGNED - DG	REVISED -	CABINET DETAIL 2.28A NAPERVILLE / ELM - DANADA SQUARE	ROUTE	SECTION	ROUTE	SECTION	SHEET	SHEETS
	DRAWN - YM	REVISED -						2.28A	10
	CHECKED - DG	REVISED -							
	DATE - 2018.07.25	REVISED -							

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABINET DETAIL SHEETS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -									ILLINOIS	FED. AID PROJECT



TO FERRY / CHASE CD2.76B
TO WASHINGTON / WARRENVILLE CD 2.76A

TO WASHINGTON / WARRENVILLE CD 2.76A

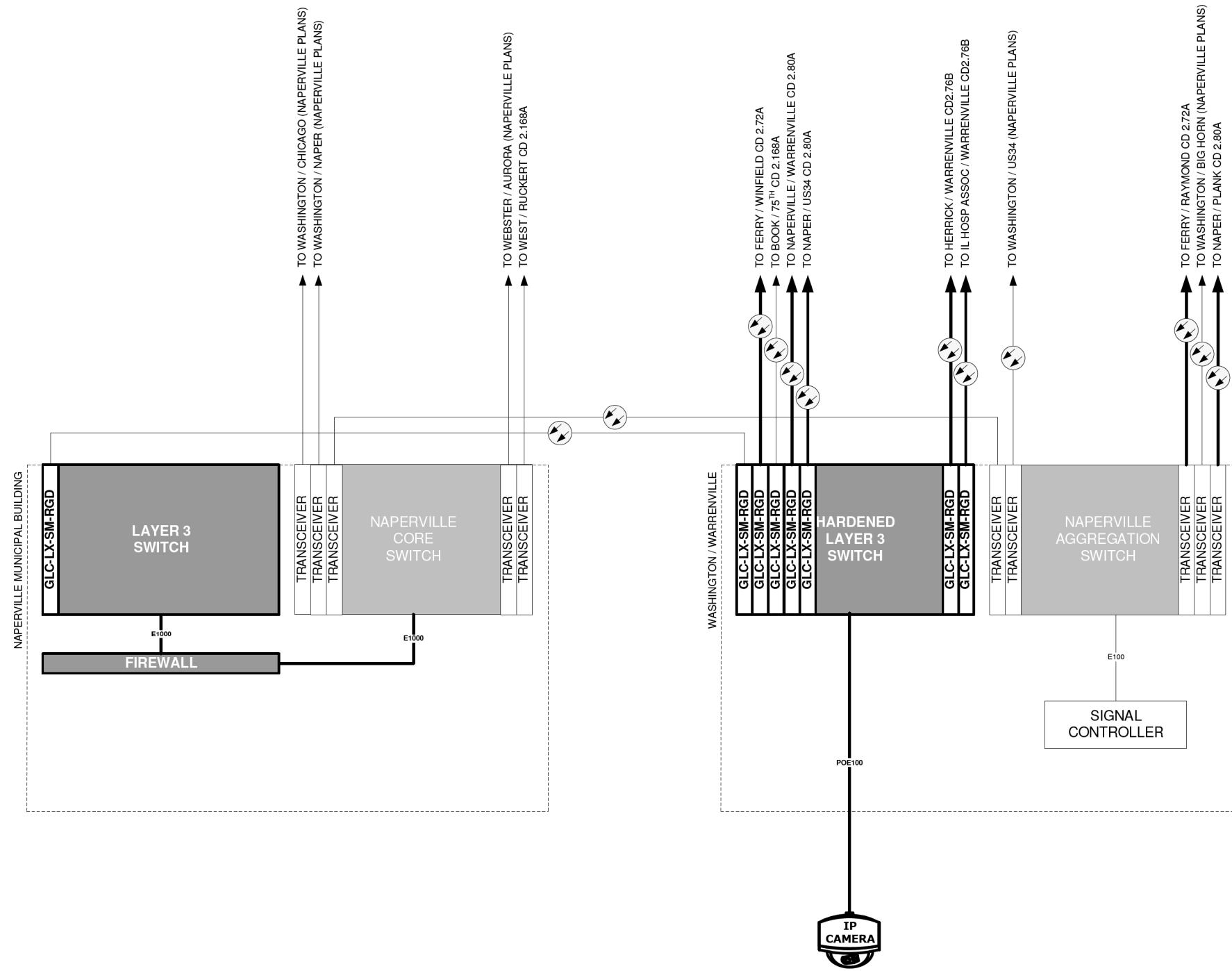
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	CHECKED - DG	REVISED -		SCALE N/A					
	DATE - 2018.07.25	REVISED -							

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	PLOT SCALE = 40.0000 ' / in.	DRAWN - RG	REVISED -
	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

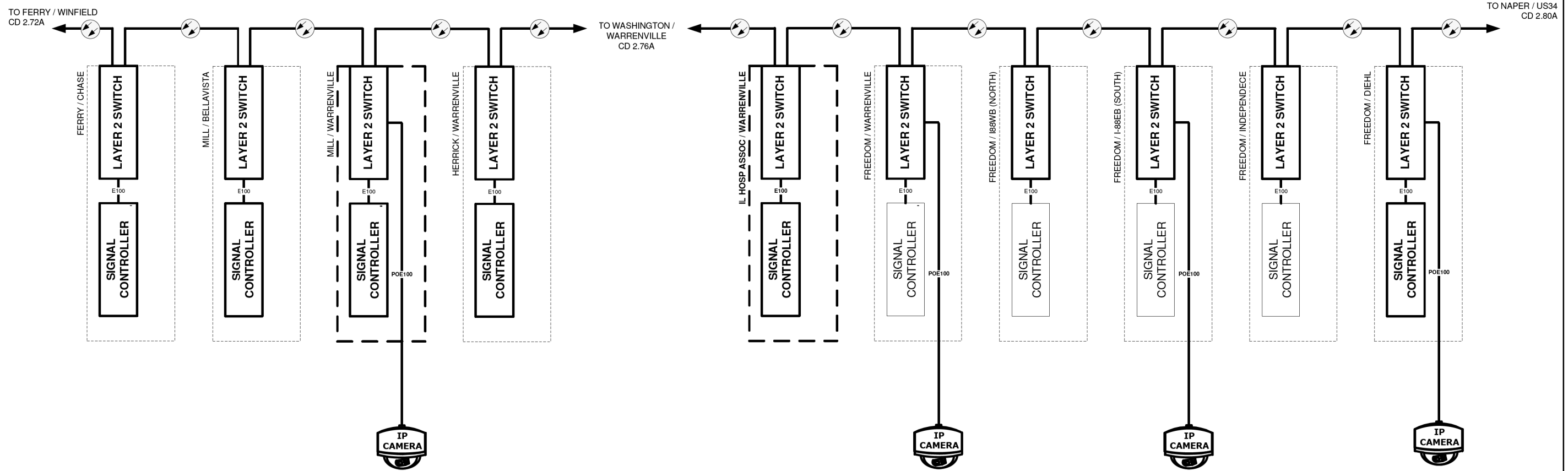
CABINET DETAIL SHEETS	
SCALE: NTS	SHEET 6 OF 13 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	257
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F05	



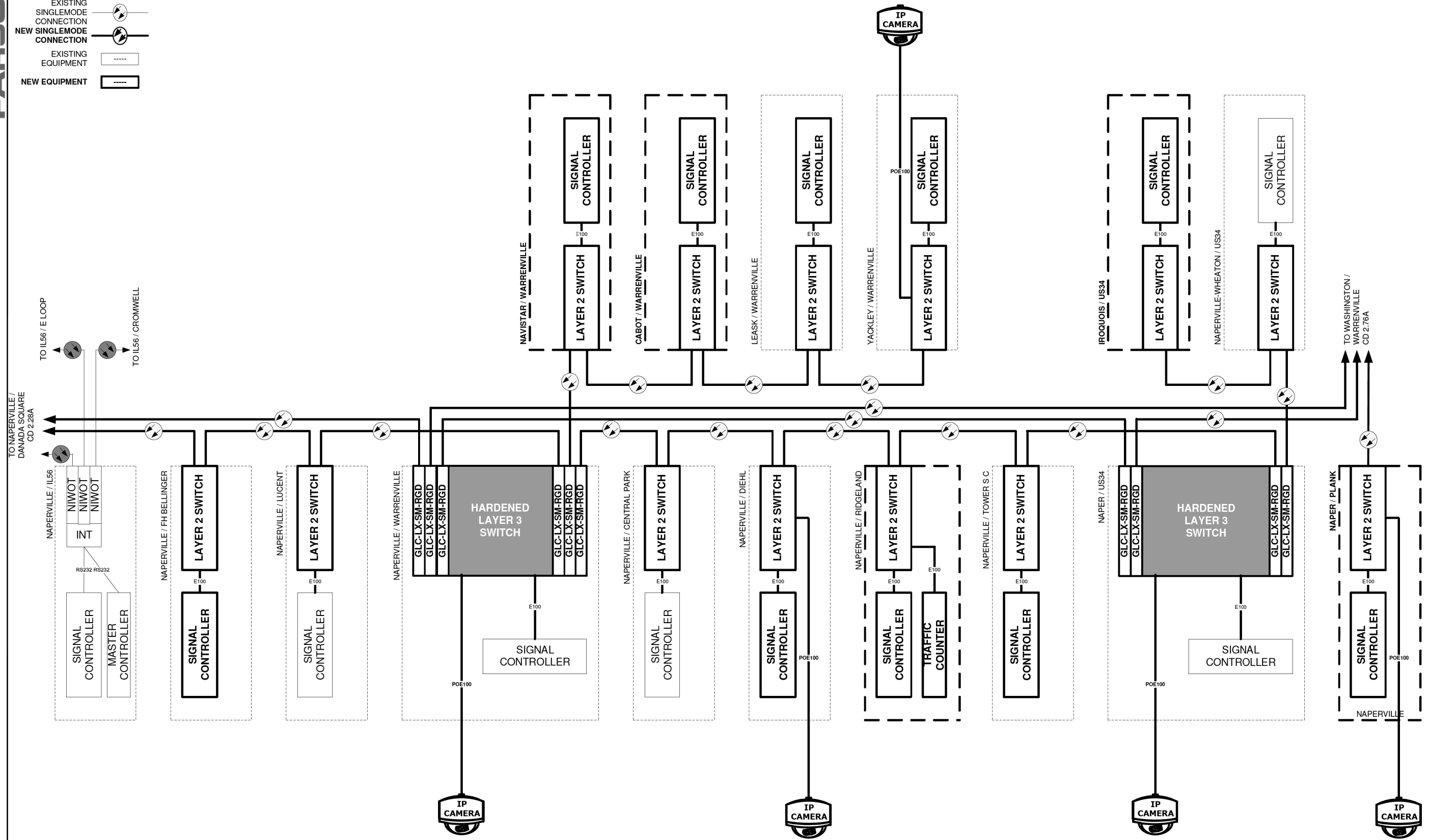
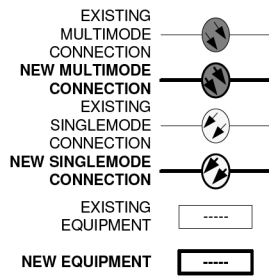
DuPage County Division of Transportation	DESIGNED - DG	REVISED -	CABINET DETAIL 2.76A WASHINGTON / WARRENVILLE	ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
	DRAWN - YM	REVISED -					2.76A	10
	CHECKED - DG	REVISED -		SCALE N/A				
	DATE - 2018.07.25	REVISED -						

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	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -					CONTRACT NO. 61F05				




<p>DuPage County Division of Transportation</p>	DESIGNED - DG	REVISED -	<p>CABINET DETAIL 2.76B WASHINGTON / WARRENVILLE</p>	ROUTE	SECTION	ROUTE	SECTION	SHEET	SHEETS
	DRAWN - YM	REVISED -						2.76B	10
	CHECKED - DG	REVISED -							
	DATE - 2018.07.25	REVISED -							

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	CABINET DETAIL SHEETS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -		SCALE: NTS	SHEET 8	OF 13 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	277	259
	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -							17-DCCSS-01-TL	DUPAGE	CONTRACT NO.	61F05



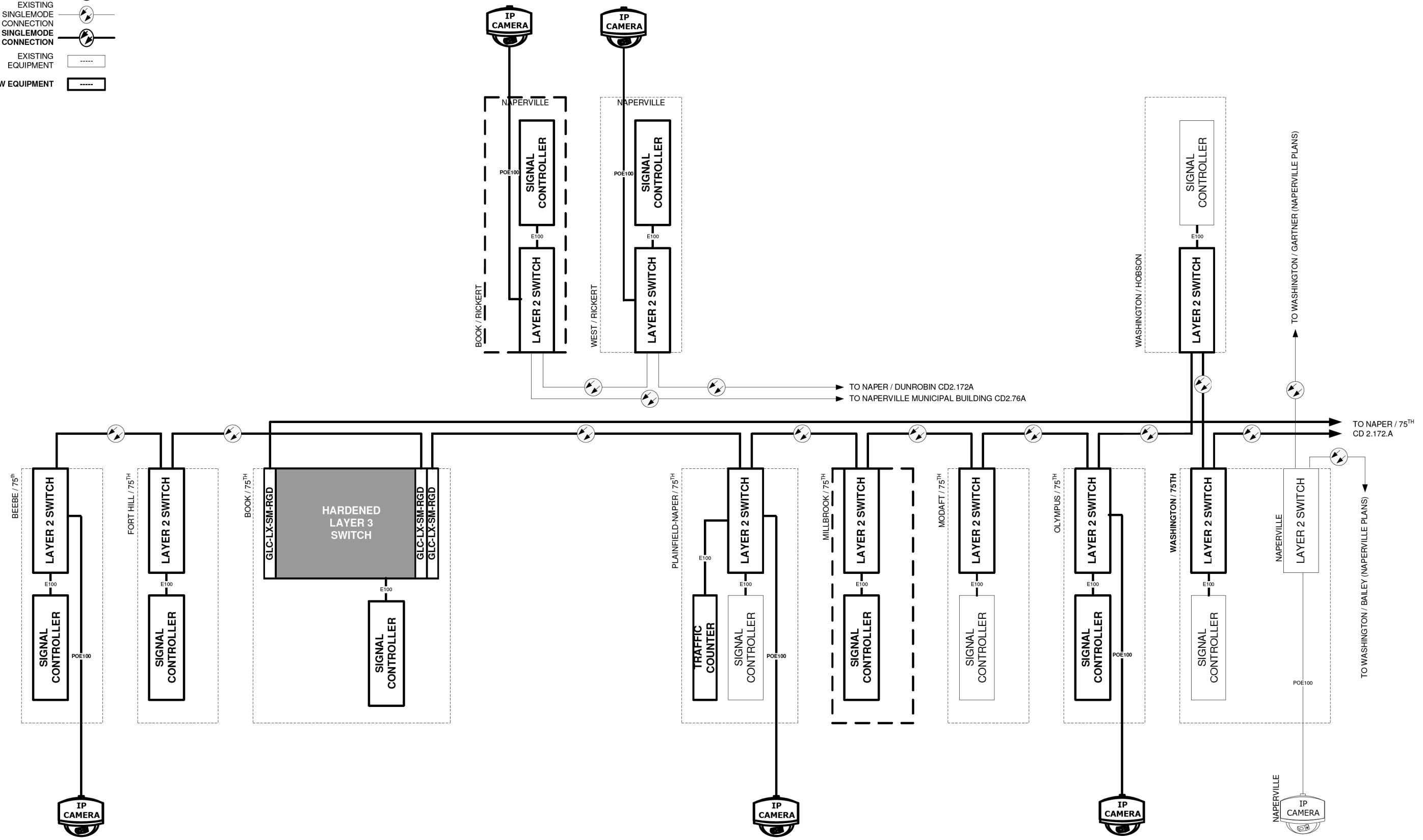
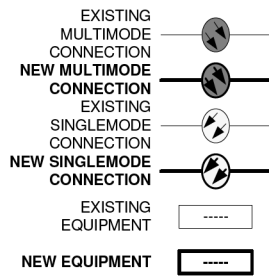
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	DRAWN - YM	REVISED -						2.80A	10
	CHECKED - DG	REVISED -		SCALE N/A					
	DATE - 2018.07.25	REVISED -							

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

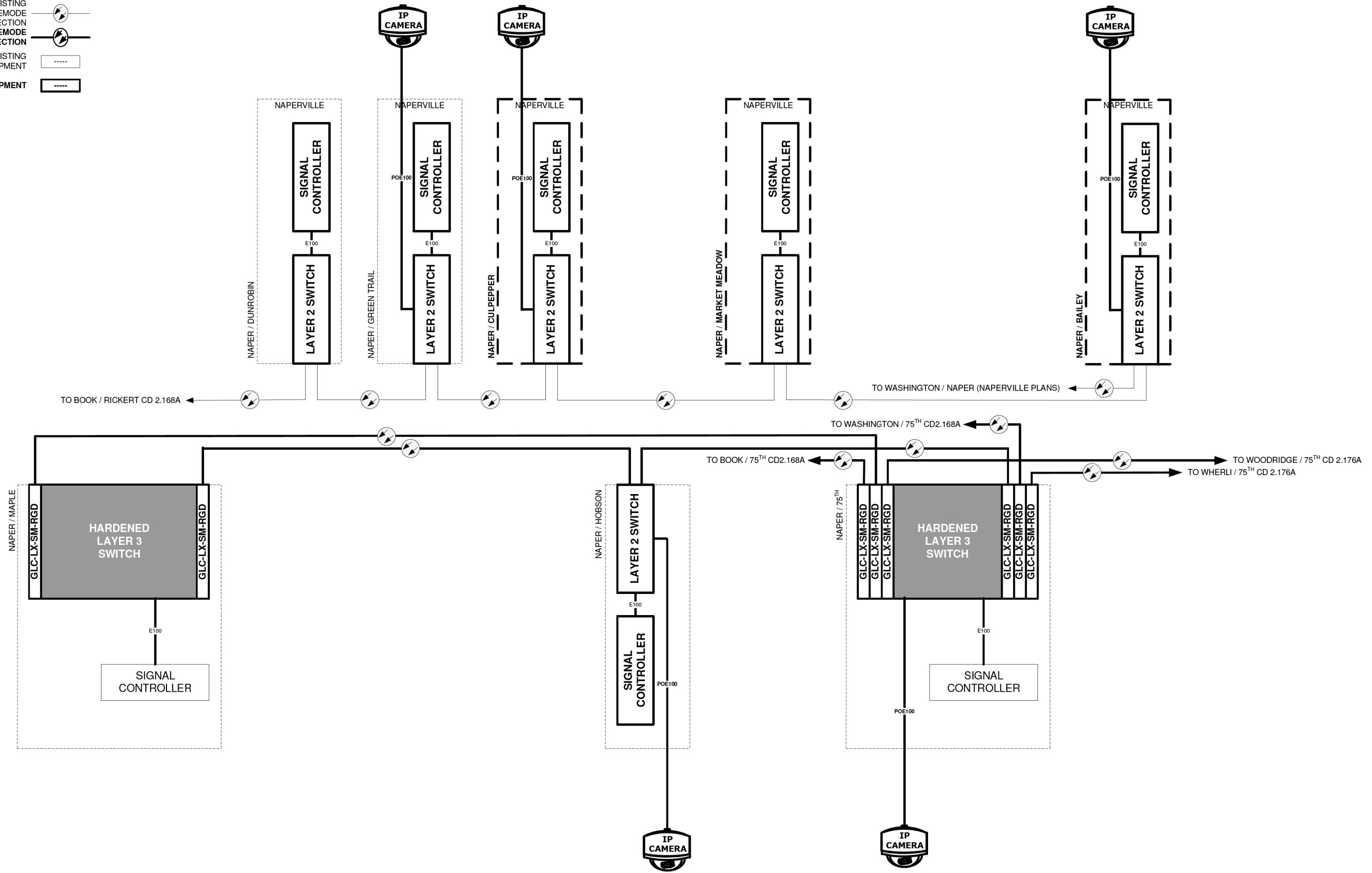
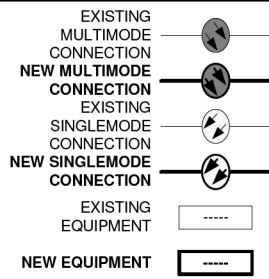
CABINET DETAIL SHEETS			
SCALE: NTS	SHEET 9	OF 13 SHEETS	STA. TO STA.


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	260
		ILLINOIS	CONTRACT NO. 61F05	




<p>DuPage County Division of Transportation</p>	DESIGNED - DG	REVISED -	<p>CABINET DETAIL 2.168A BOOK / 75TH</p>	ROUTE	SECTION	ROUTE	SECTION	SHEET	SHEETS	
	DRAWN - YM	REVISED -							2.168A	10
	CHECKED - DG	REVISED -								
	DATE - 2018.07.25	REVISED -								

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>CABINET DETAIL SHEETS</p>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	CHECKED - ZH	REVISED -			VAR.	17-DCCSS-01-TL	DUPAGE	277	261
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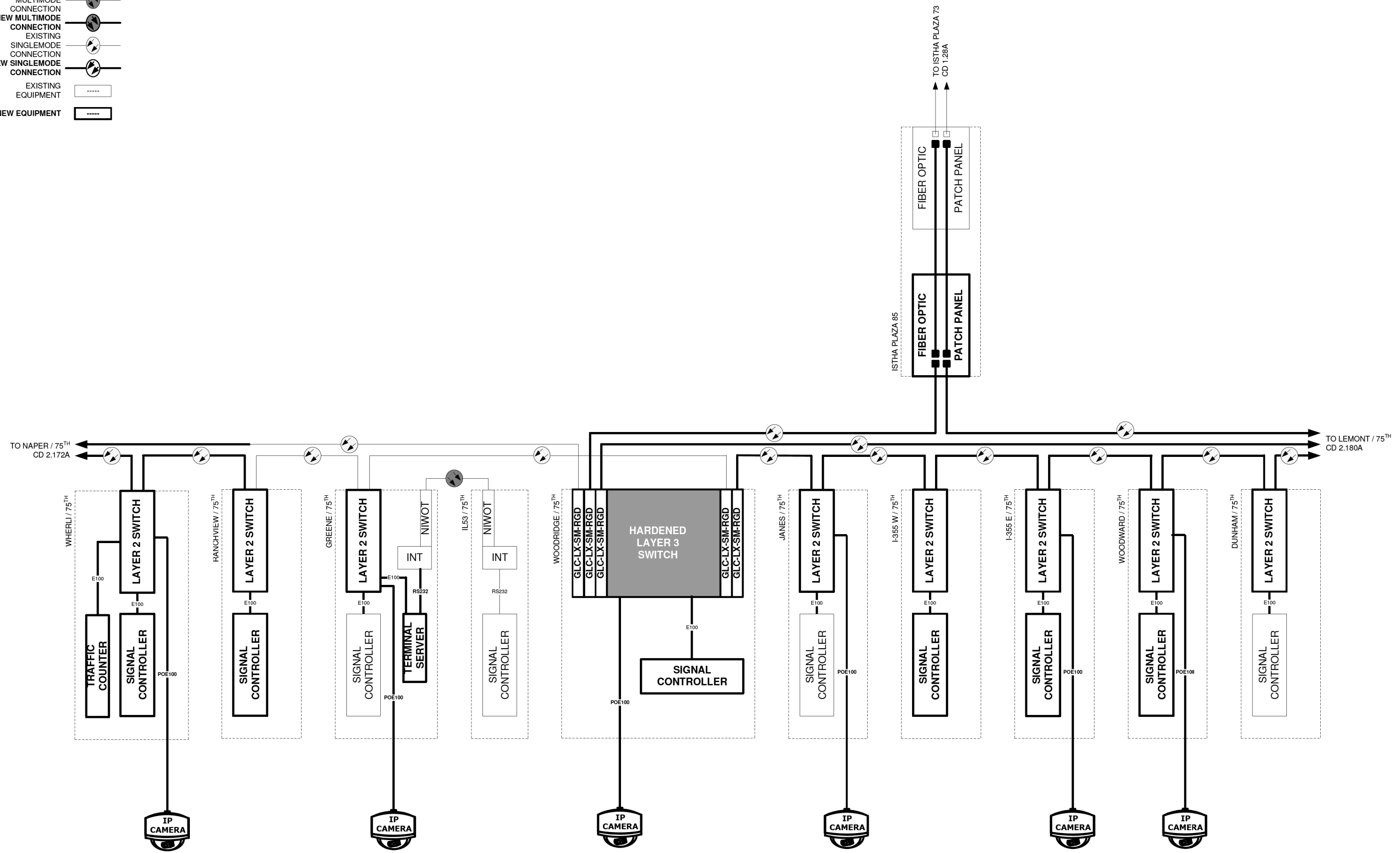
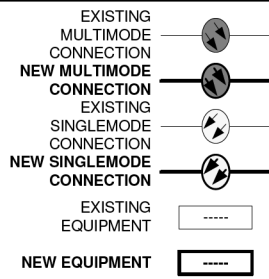
 DuPage County Division of Transportation	DESIGNED - DG	REVISED -	CABINET DETAIL 2.172A NAPER / 75 TH	ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
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	CHECKED - DG	REVISED -						
	DATE - 2018.07.25	REVISED -						

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	PLOT SCALE = 40,0000 ' / in.	DRAWN - RG	REVISED -
	PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

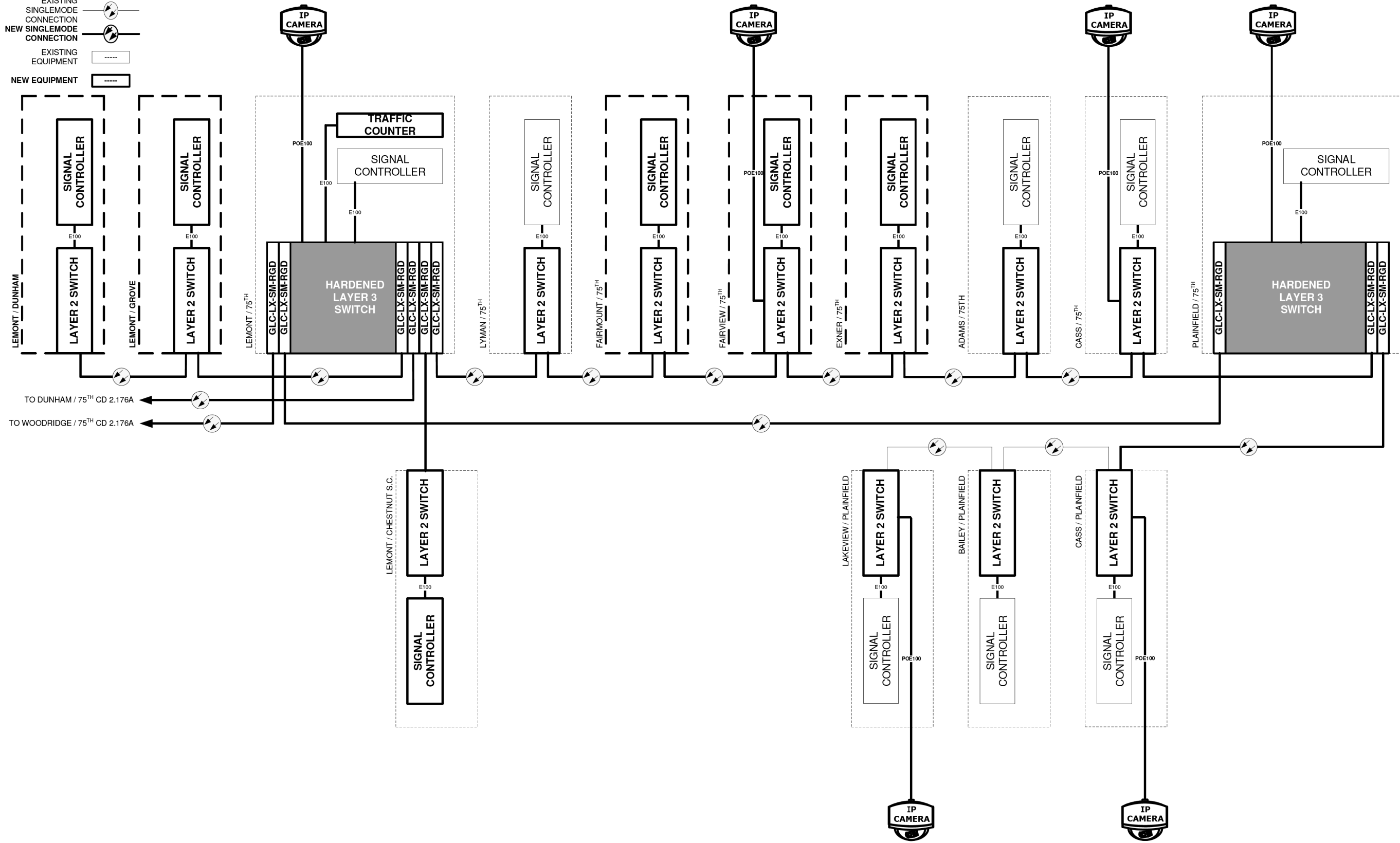
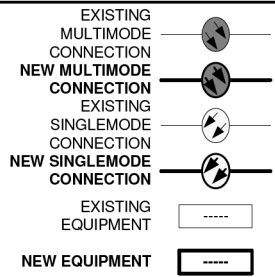
CABINET DETAIL SHEETS			
SCALE: NTS	SHEET 11	OF 13 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	262
			CONTRACT NO.	61F05



 DuPage County Division of Transportation	DESIGNED - DG	REVISED -	CABINET DETAIL 2.176A WOODRIDGE / 75 TH		ROUTE	SECTION	ROUTE	SECTION	SHEET	SHEETS		
	DRAWN - YM	REVISED -									2.176A	10
	CHECKED - DG	REVISED -										
	DATE - 2018.07.25	REVISED -										

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABINET DETAIL SHEETS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
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		DATE -	REVISED -												



DuPage County
Division of Transportation

DESIGNED - DG	REVISED -
DRAWN - YM	REVISED -
CHECKED - DG	REVISED -
DATE - 2018.07.25	REVISED -

CABINET DETAIL 2.180A
LEMONT / 75TH

ROUTE	SECTION	ROUTE SECTION	SHEET	SHEETS
			2.180A	10



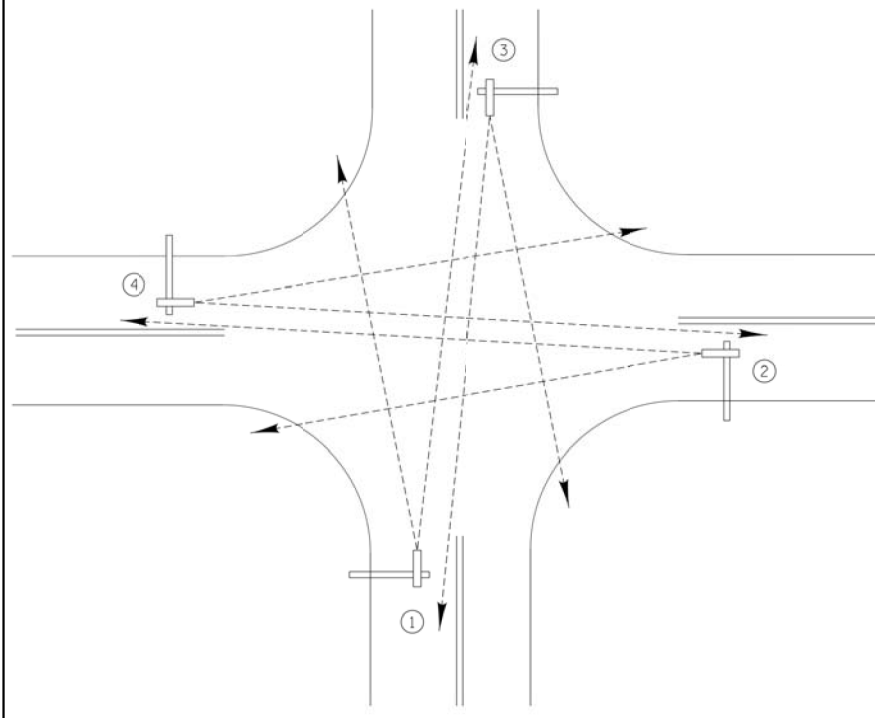
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PLOT DATE = 8/28/2018	CHECKED - ZH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABINET DETAIL SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	264
			CONTRACT NO.	61F05

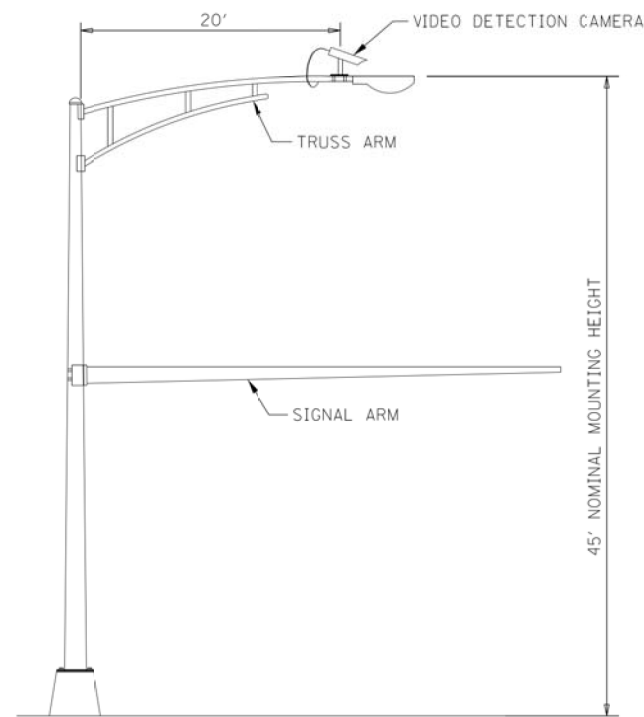
SCALE: NTS SHEET 13 OF 13 SHEETS STA. TO STA.



**TYPICAL VIDEO VEHICLE
DETECTION SYSTEM**

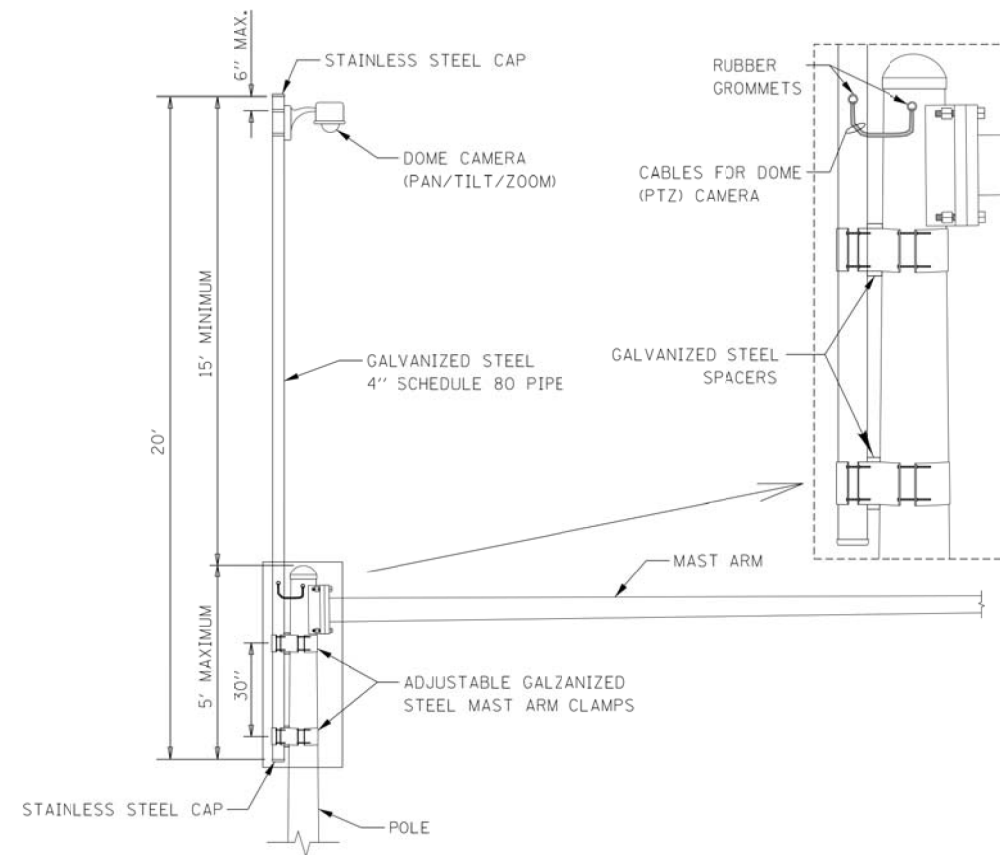
(NOT TO SCALE)

(4) VIDEO DETECTION CAMERA ASSEMBLIES AND BRACKETS ① ② ③ ④



**COMBINATION MAST ARM ASSEMBLY
AND POLE DIMENSIONS**

(NOT TO SCALE)

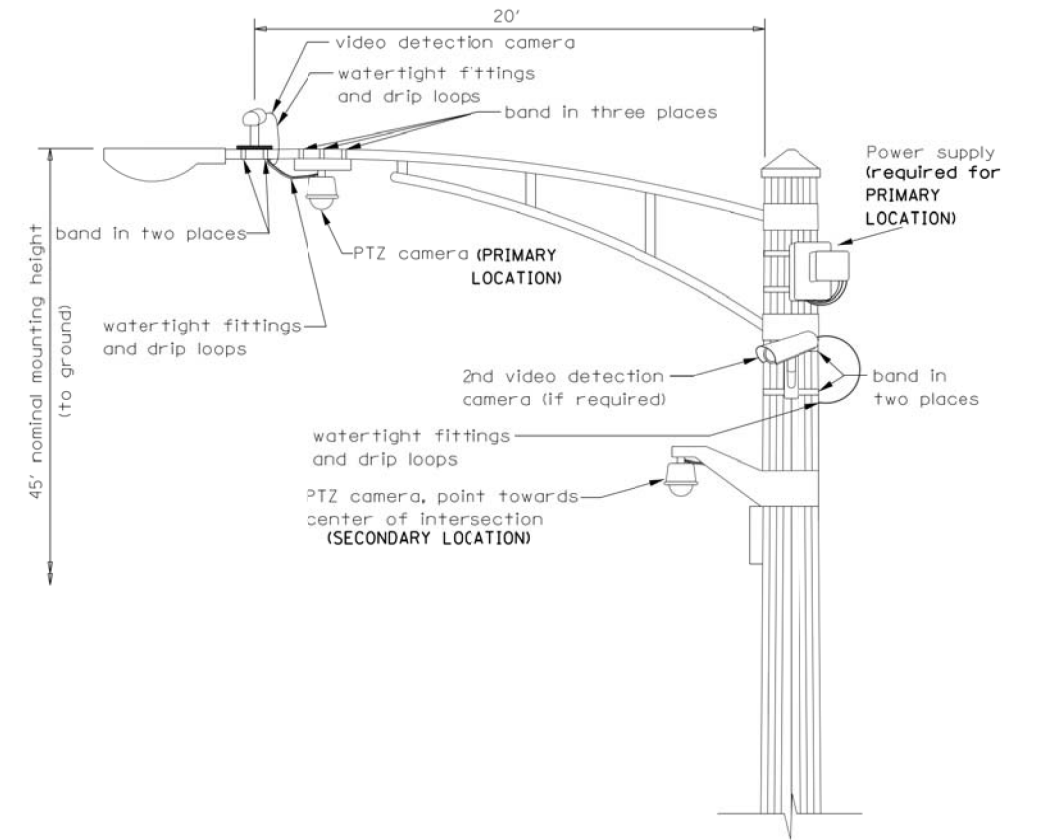


CAMERA MOUNTING ASSEMBLY DETAIL

(NOT TO SCALE)

NOTES:

- THE MAST ARM IS TAPERED.
- INSTALL EXTENSION POLE VERTICAL AND PLUMB BY MODIFYING/INSTALLING BRACKETS AS NECESSARY. ADDITIONAL SPACERS REQUIRED ARE INCLUDED IN THE COST OF THE CAMERA MOUNTING ASSEMBLY OF THE TYPE SPECIFIED.
- SPACERS ARE TO BE INTEGRATED OR MANUFACTURED WITH THE MAST ARM BRACKETS

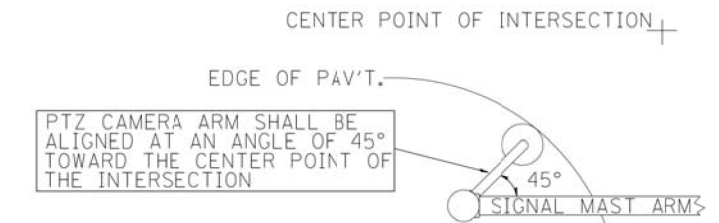


**VIDEO DETECTION CAMERA(S) AND
DOME (PTZ) CAMERA MOUNTING DETAIL**

(NOT TO SCALE)

NOTES FOR SINGLE, DUAL AND MULTIPLE CAMERA MOUNTING:

- MOUNT LUMINAIRE MOUNTING BRACKET AS HIGH AS POSSIBLE.
- MOUNT VIDEO DETECTION CAMERA AIMING DOWN TOWARD THE DIRECTION OF TRAFFIC TO BE DETECTED.



**PTZ CAMERA MOUNTING DETAILS
(SECONDARY LOCATION)**

(NO SCALE)

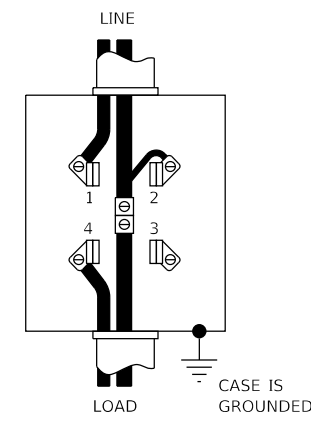
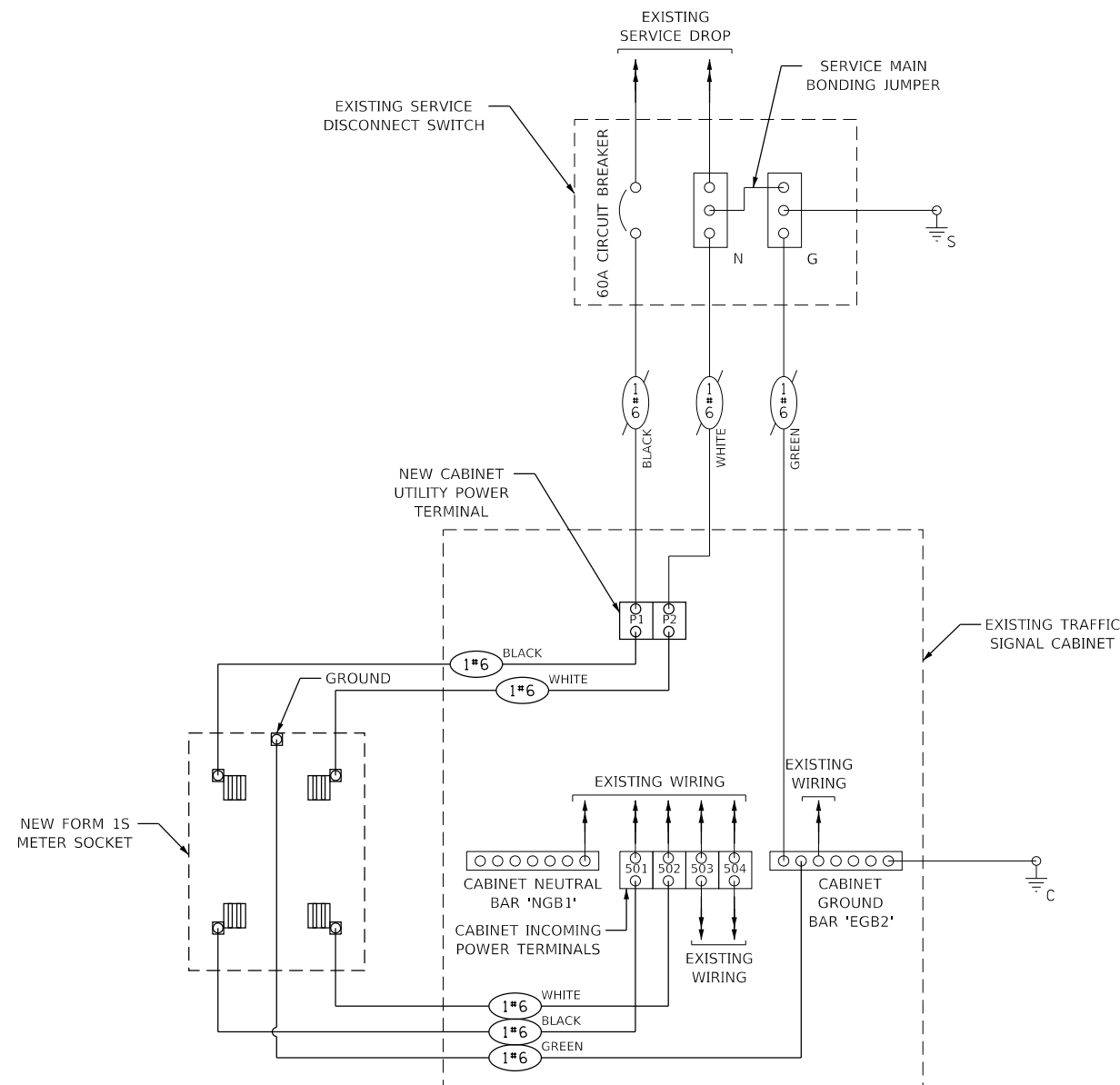
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PLOT DATE = 8/28/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CAMERA MOUNTING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	265
CONTRACT NO.			61F05	
ILLINOIS		FED. AID PROJECT		



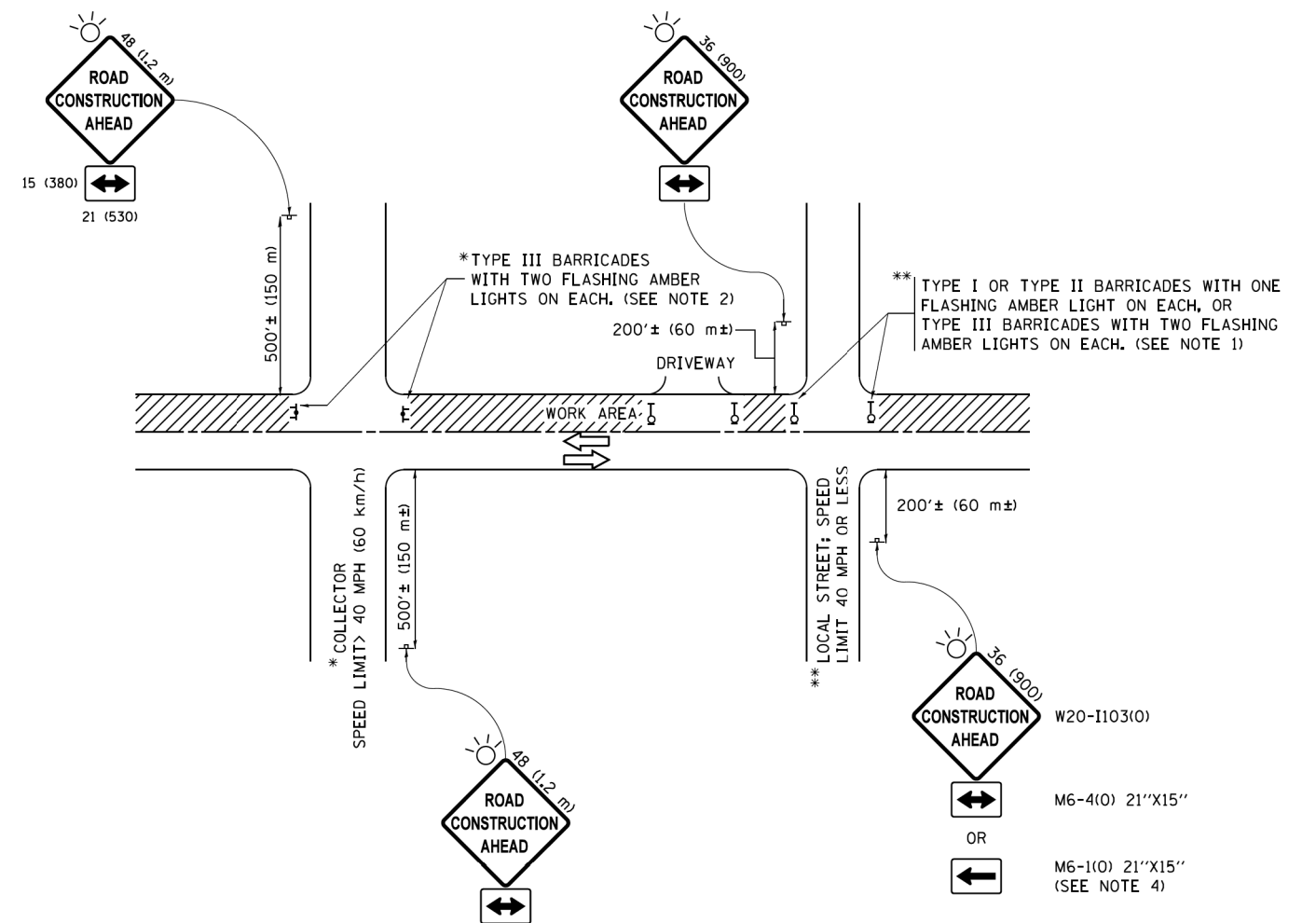
FORM 1S METER SOCKET DETAIL

TERMINALS 1 AND 2 ARE THE LINE SIDE FOR BOTH SOCKET AND A-BASE FITTINGS.
 TERMINALS 3 AND 4 ARE THE LOAD SIDE FOR BOTH SOCKET AND A-BASE FITTINGS.

- CABINET WIRING MODIFICATIONS:
1. INSTALL NEW 60A, 600V, 2 POLE POWER TERMINAL BLOCK INSIDE CABINET AND MOUNT NEW METER SOCKET ON OUTSIDE OF CABINET.
 2. MOVE EXISTING UTILITY POWER INCOMING CABLES FROM TB 501 & 502 TO NEW POWER TERMINAL BLOCK P1 AND P2.
 3. WIRE FROM NEW POWER TERMINAL BLOCK P1 AND P2 TO LINE SIDE OF NEW METER SOCKET.
 4. WIRE FROM LOAD SIDE OF NEW METER SOCKET TO TB 501 AND 502.

USER NAME = zhoerbert PLOT SCALE = 40.0000 ' / in. PLOT DATE = 8/28/2018	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	METER SOCKET DETAIL		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -		SCALE:	SHEET	OF SHEETS	STA.	TO STA.	17-DCCSS-01-TL	DUPAGE	277 266
	CHECKED -	REVISED -						CONTRACT NO. 61F05		ILLINOIS FED. AID PROJECT	
DATE -	REVISED -										

FILE NAME = pw:\IPW1.dzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\sh-Meter Socket Detail.dgn
 Default



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw\1\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\Dist1\1782\2130\W02_Centracs_Expansion\1\CADD_Sheets\sh-District_Detail_TC10.dgn		DRAWN	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50,000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	267
TC-10		CONTRACT NO. 61F05		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

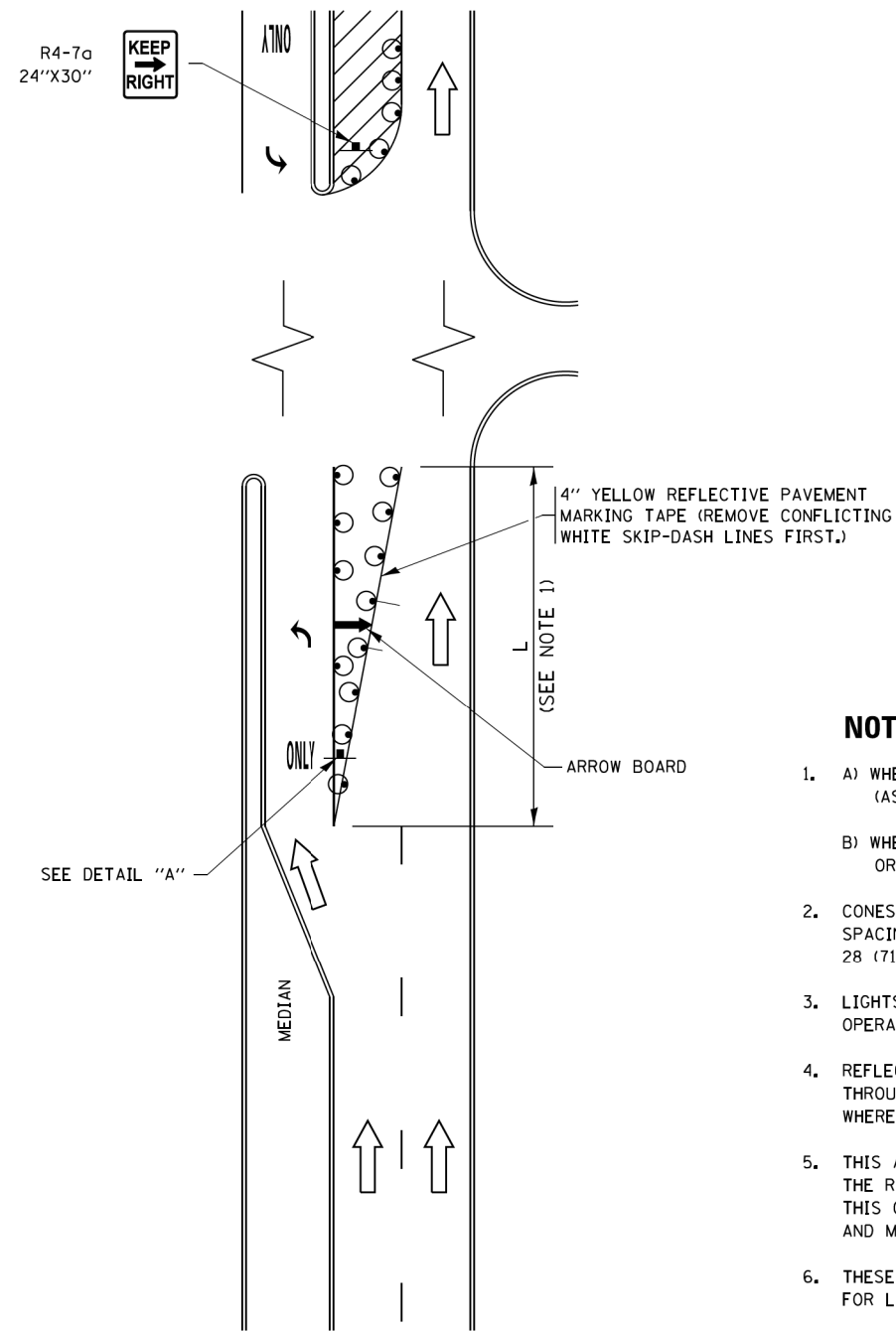
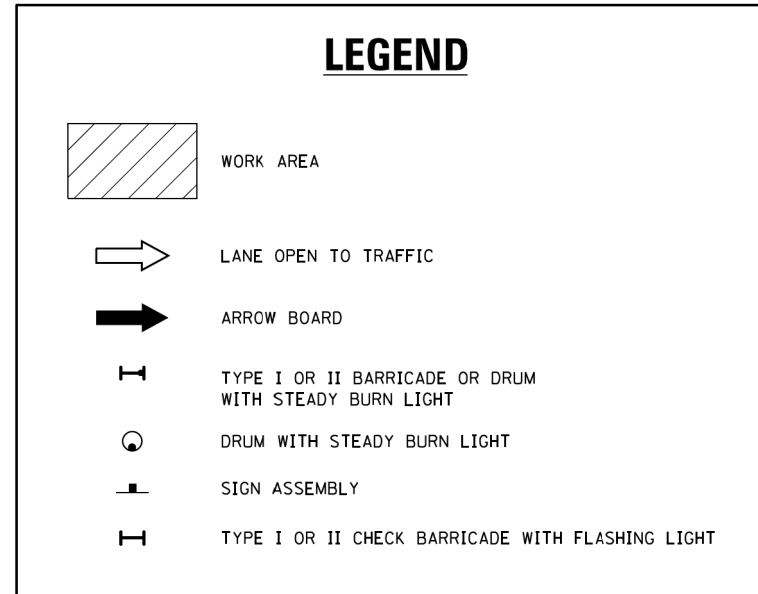


FIGURE 1



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
 B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PRE REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

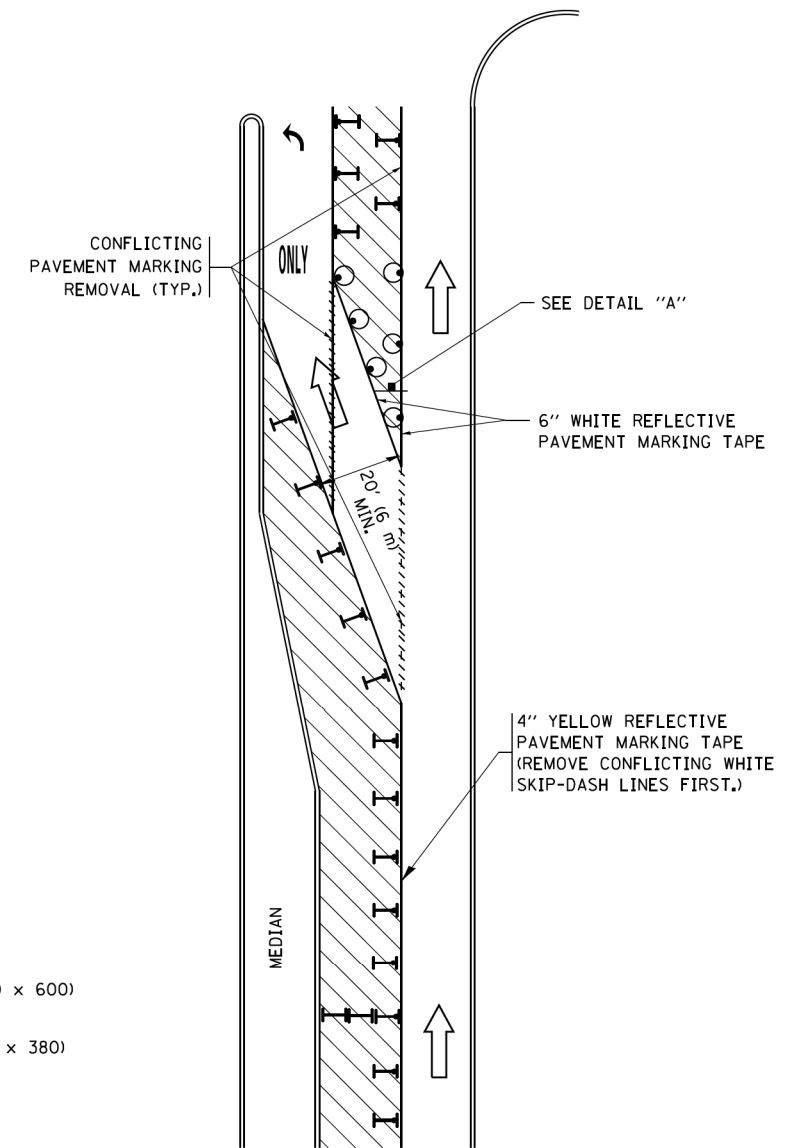
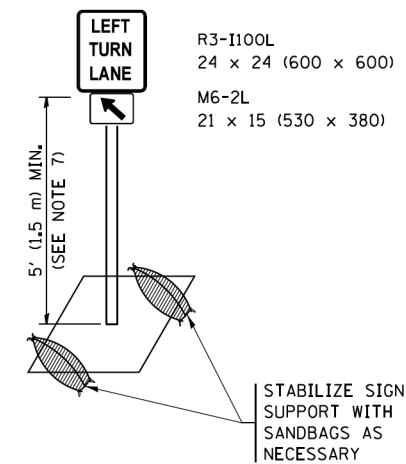


FIGURE 2

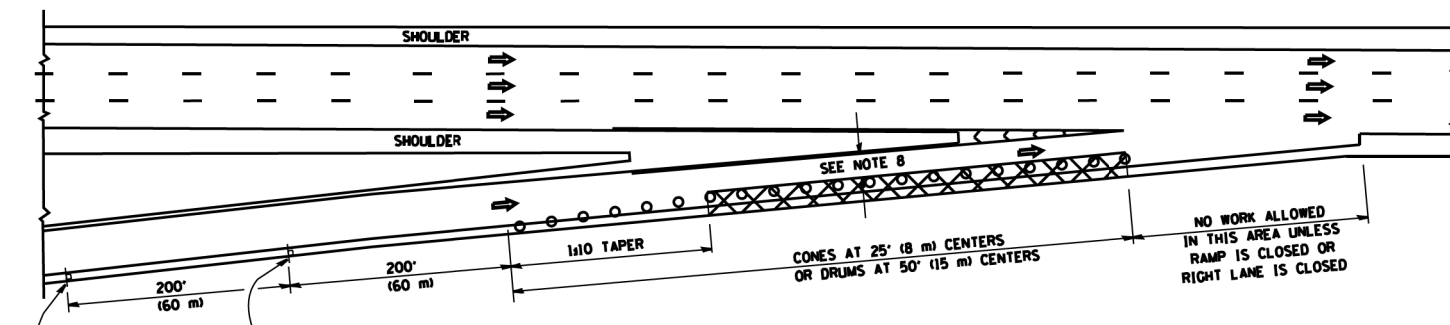


DETAIL A

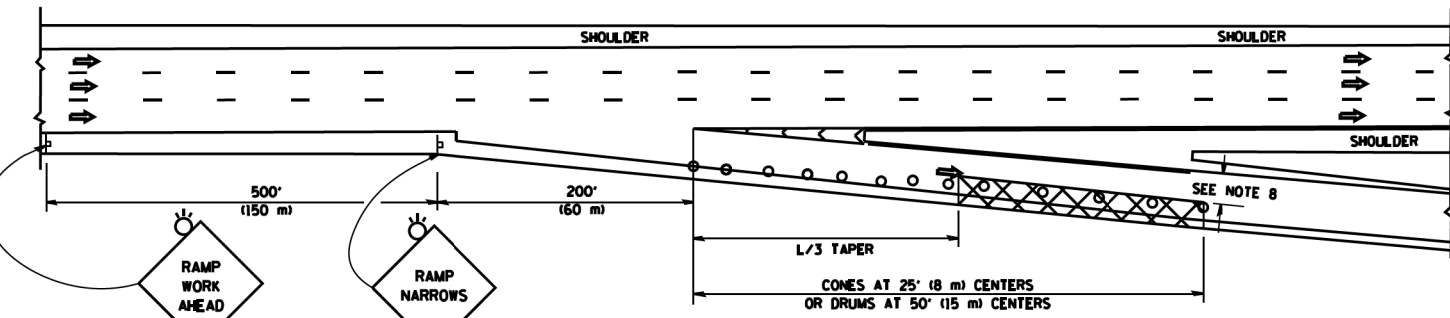
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME =	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EBID\INTEG\illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\Dist	pw\ADDData\CAHOUSEH\11-07-95	REVISED - A. HOUSEH 10-07-95	REVISED - A. SCHUETZE 07-01-13		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS	FED. AID PROJECT	
Default	PLOT SCALE = 1/8" = 1'-0"	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16									DUPAGE	277	268
Default	PLOT DATE = 01/25/2016	REVISED - T. RAMMACHER 01-06-00	REVISED -									TC-14	CONTRACT NO.	61F05

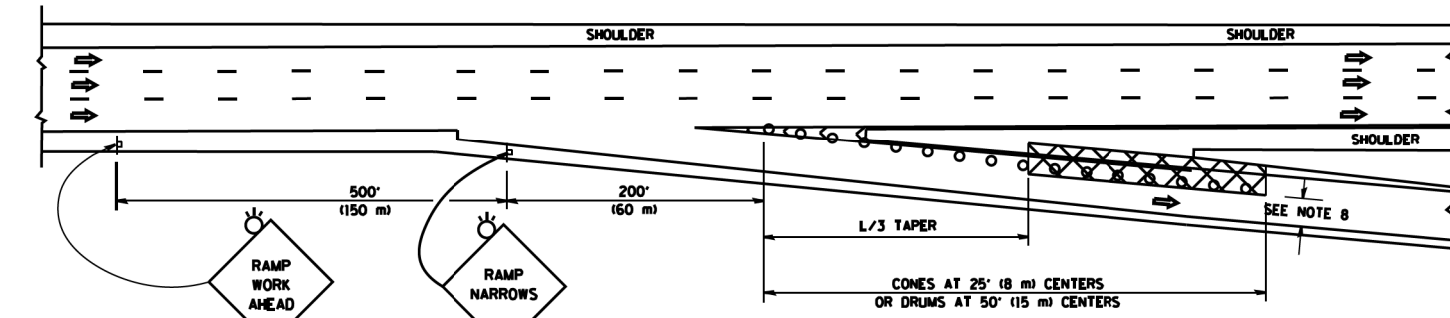
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

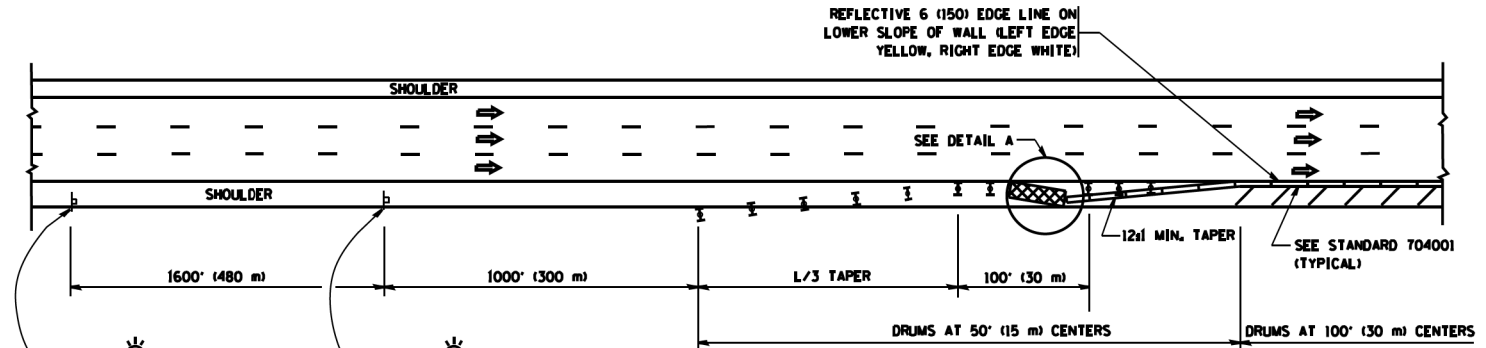
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

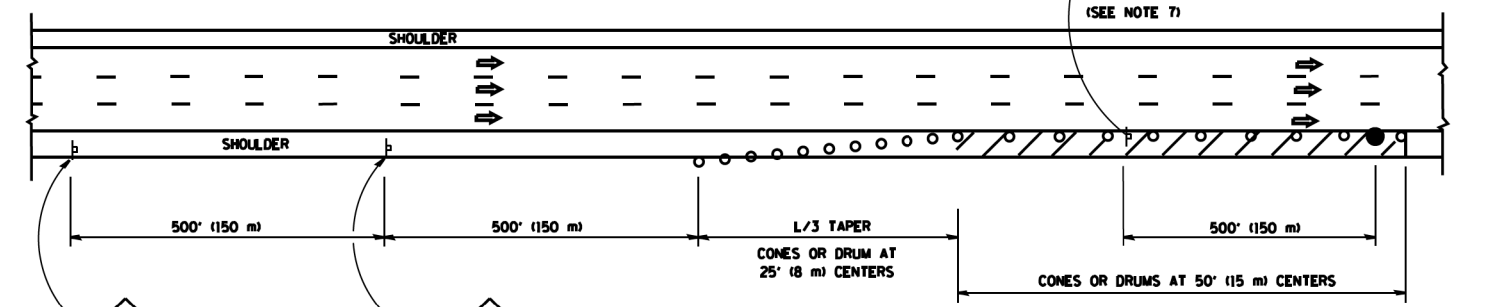
SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER	METRIC ENGLISH
	$L = 0.65(WNS)$ $L = (WNS)$

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

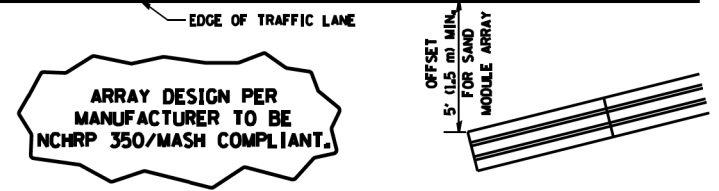


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)**

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

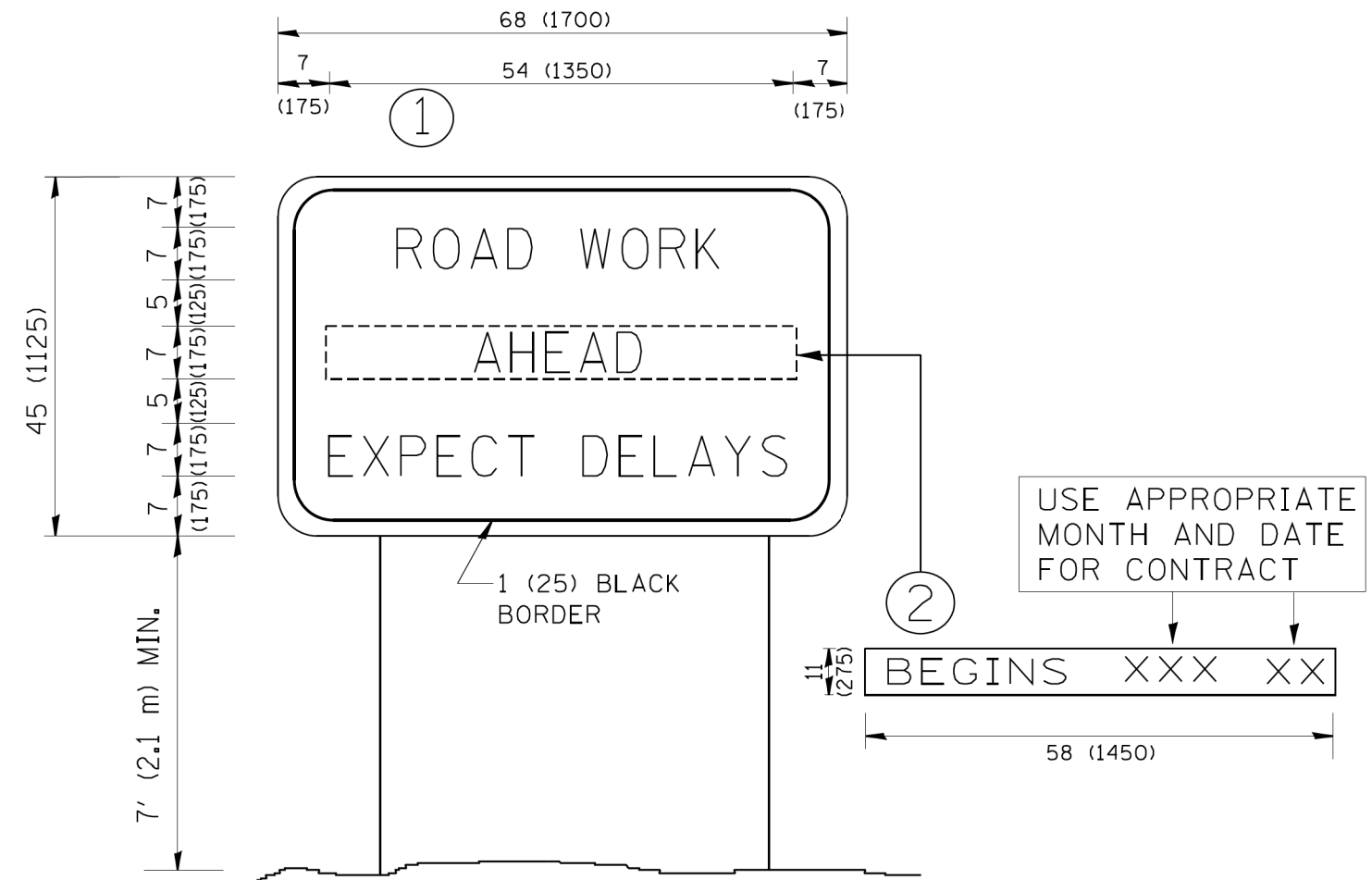
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		CHECKED -	REVISED -
		D.W.S.	S.P.B. 01-07
		DATE -	REVISED -
		11-96	S.P.B. 12-09
			M.D. 06-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCSS-01-TL	DUPAGE	277	269
	TC-17		CONTRACT NO.	61F05



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = dleg@netbbt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.0000' / 1 in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/26/2008	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	270
TC-22		CONTRACT NO.	61F05	
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL LEGEND

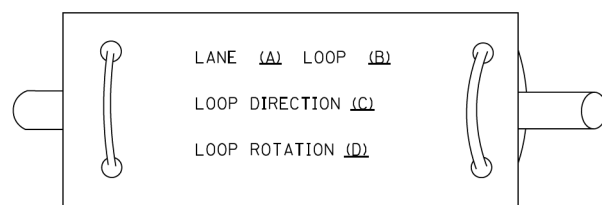
(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

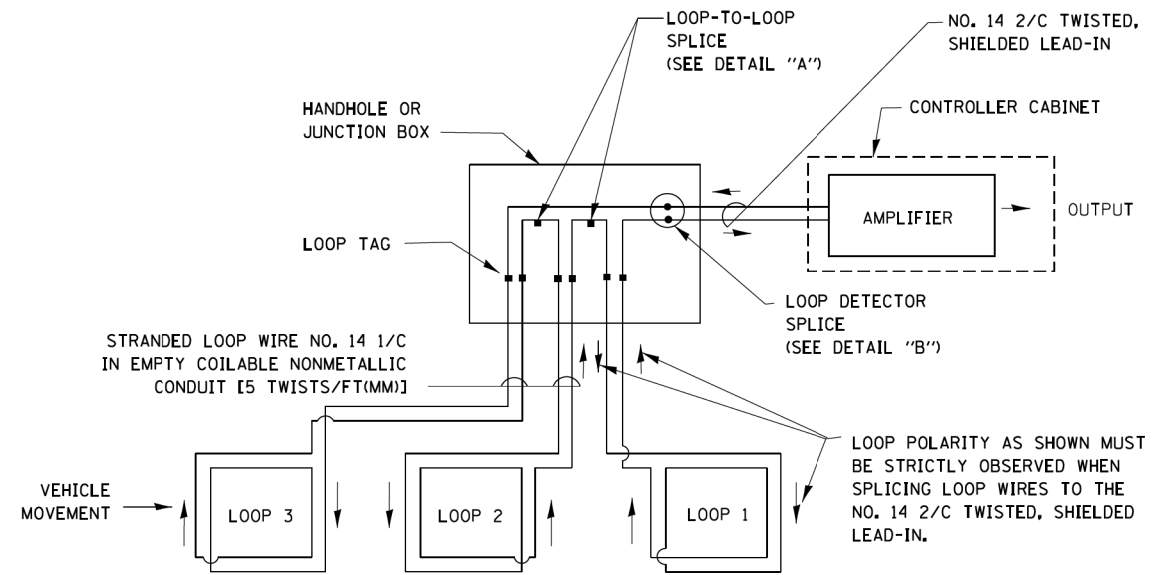
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

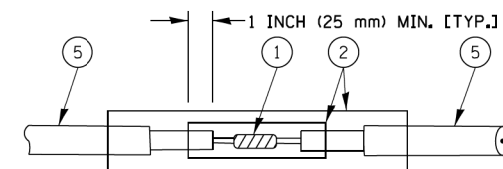


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

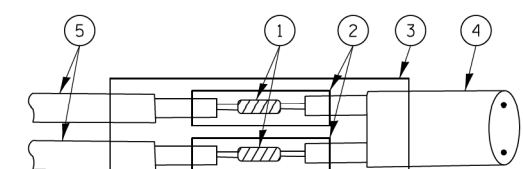


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

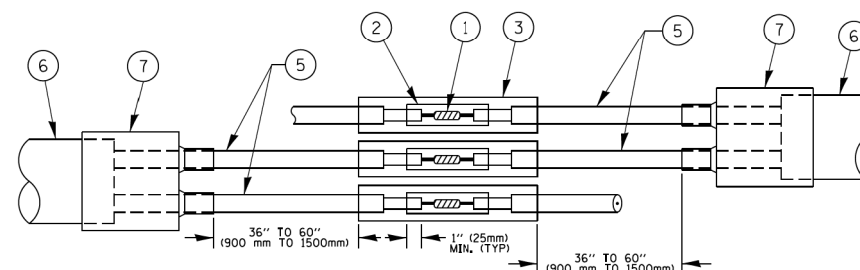


DETAIL "A"
LOOP-TO-LOOP SPLICE

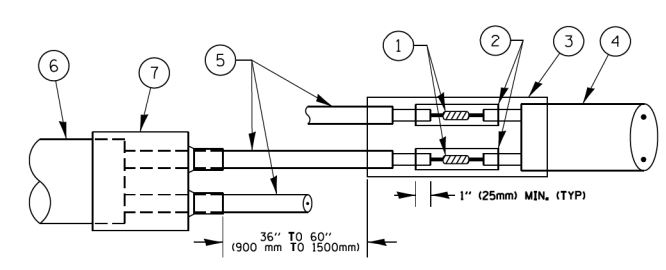


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PREFORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = fboe@ej	DESIGNED - DAD	REVISED - DAG 1-1-14
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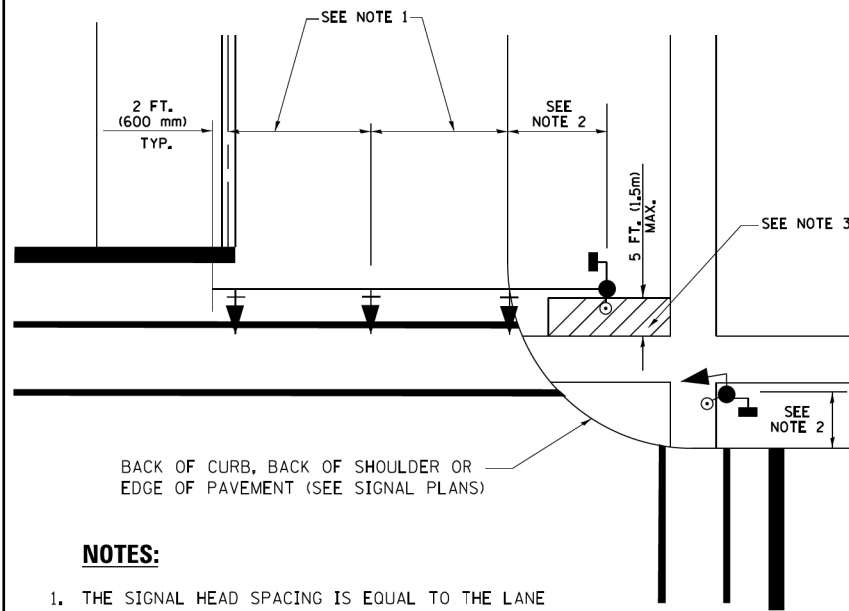
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-DCCSS-01-TL	DUPAGE	277	272
			CONTRACT NO.	61F05
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

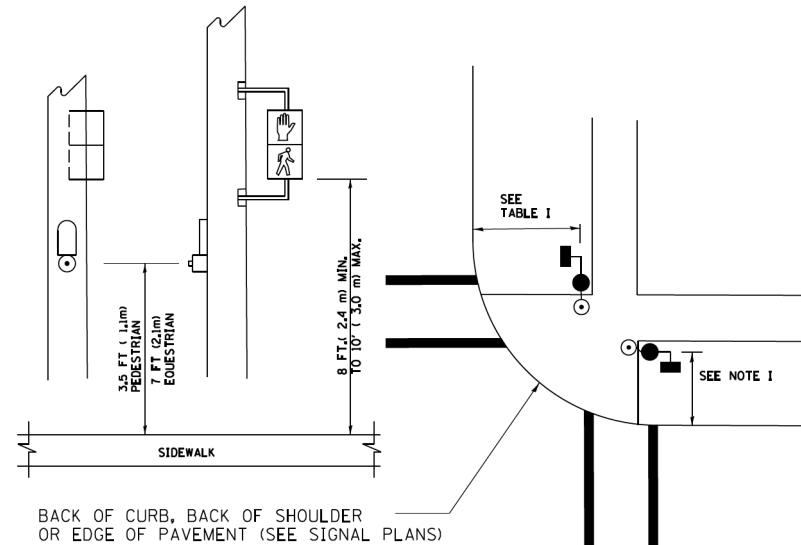
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

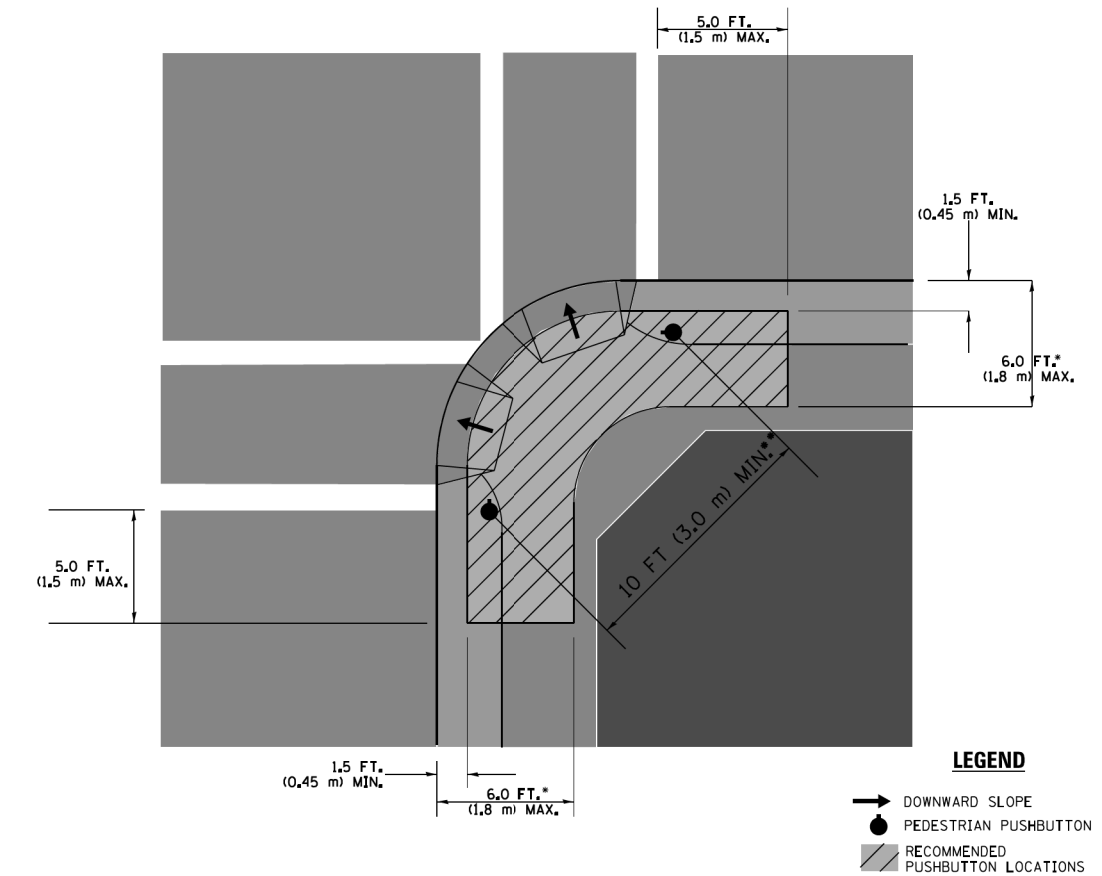
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

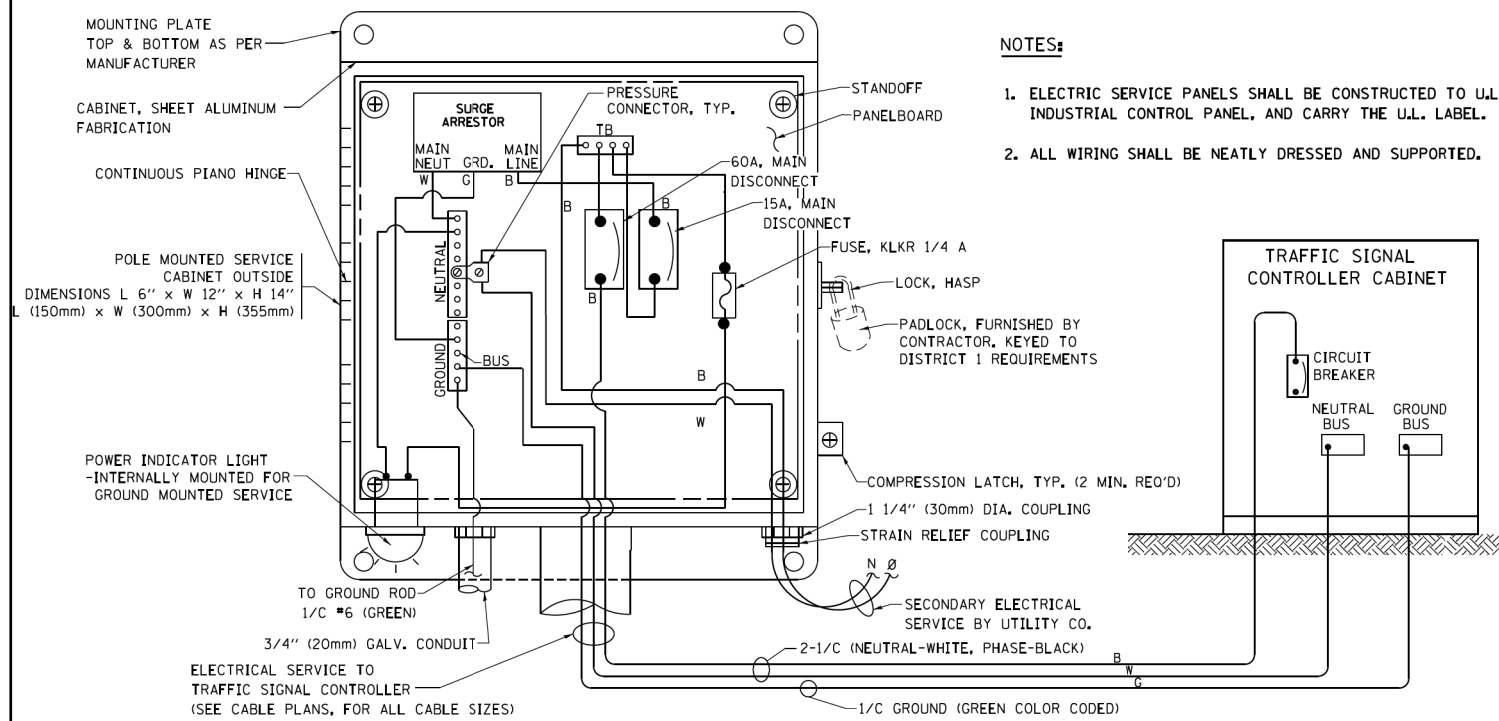
TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

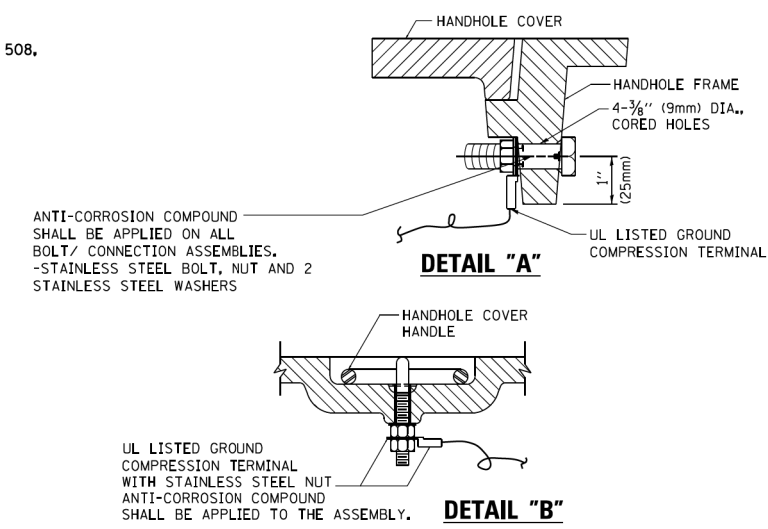
NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

FILE NAME =	USER NAME =	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 1/8"=1'-0"		CHECKED - DAD	REVISED -			CONTRACT NO. 61F05					
PLOT DATE = 8/13/2014		DATE - 10-28-09	REVISED -			ILLINOIS FED. AID PROJECT					

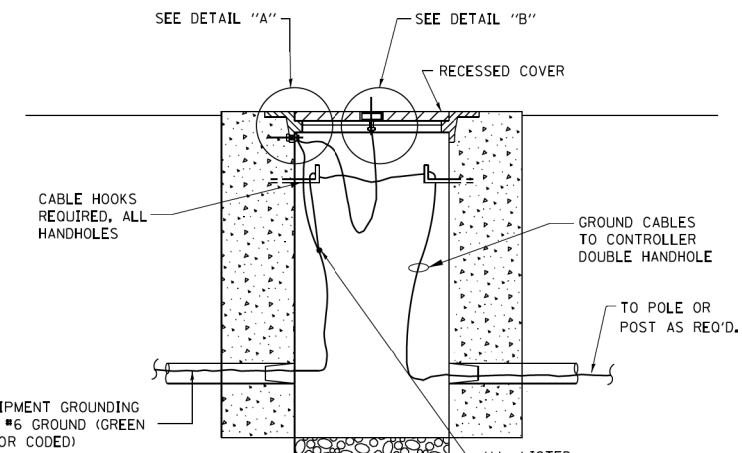


ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)

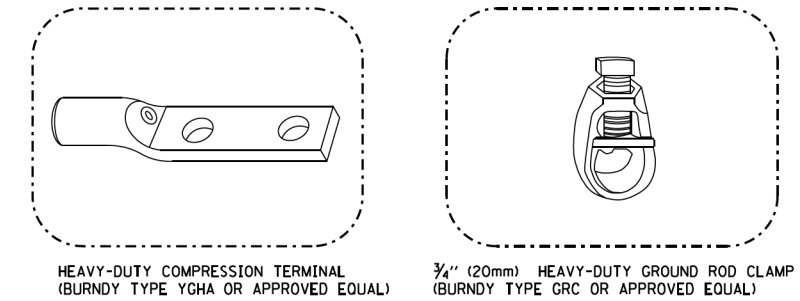


NOTES:
GROUNDING SYSTEM

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD, ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

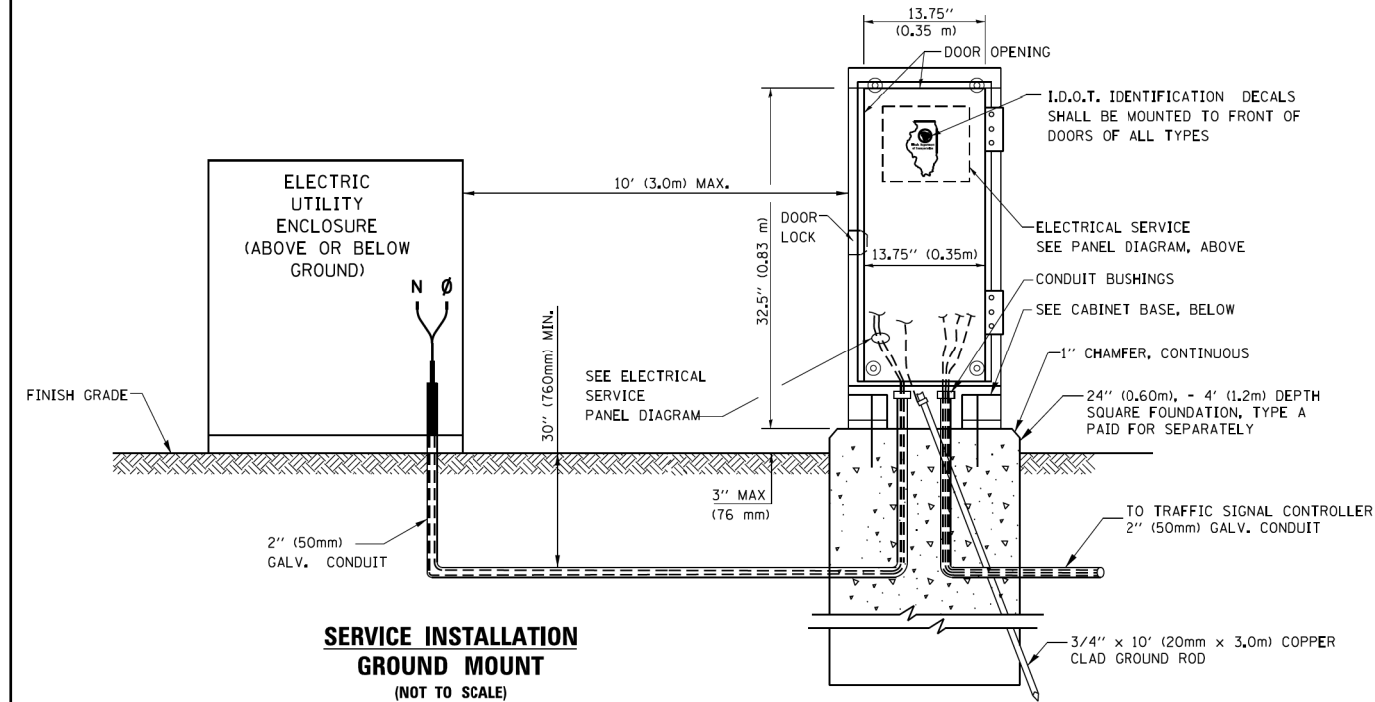


HANDHOLE COVER & FRAME – GROUNDING DETAIL (NOT TO SCALE)

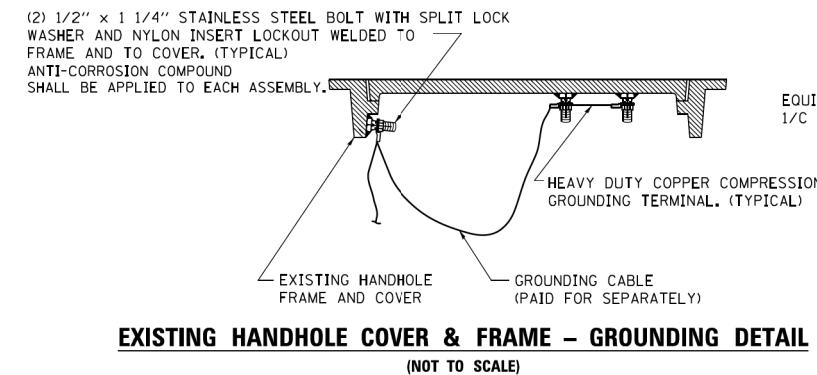


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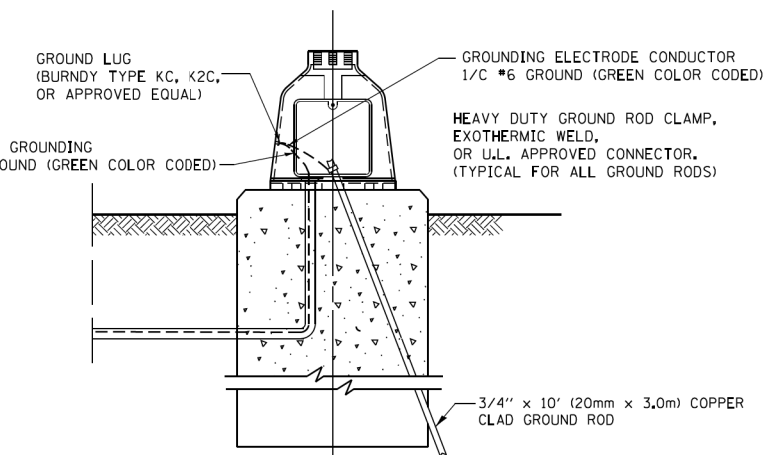
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

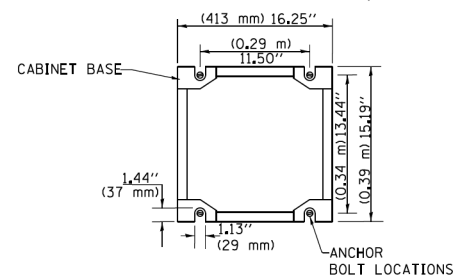


EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL (NOT TO SCALE)



MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)

CABINET – BASE BOLT PATTERN (NOT TO SCALE)



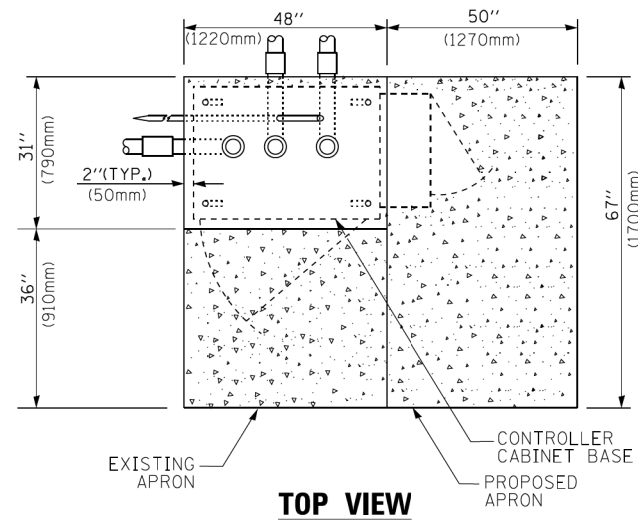
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		CHECKED - DAD	REVISED -
		DATE = 10-28-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

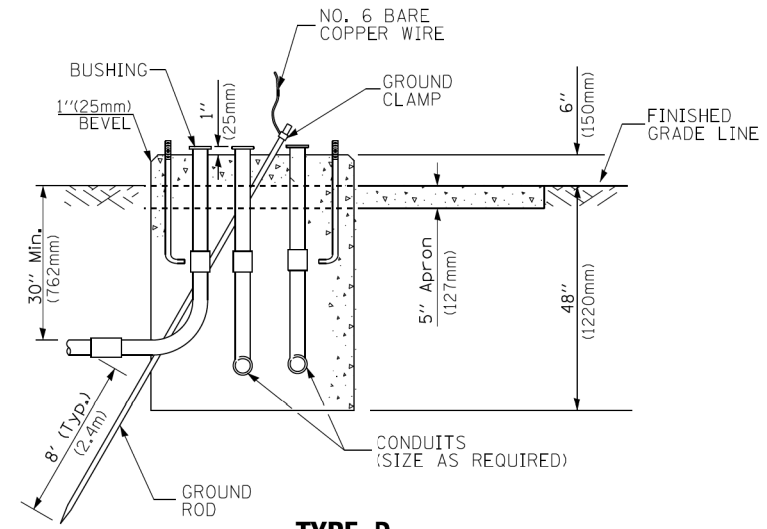
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

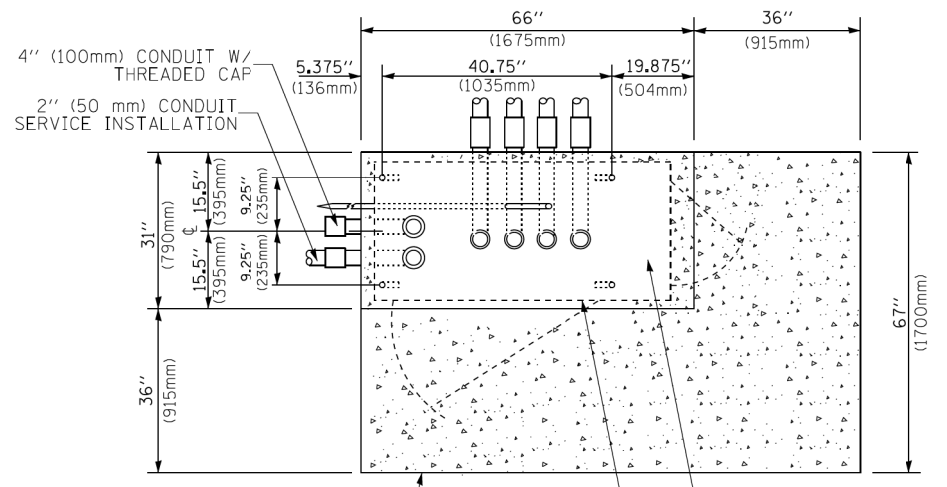
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	274
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F05	



TOP VIEW

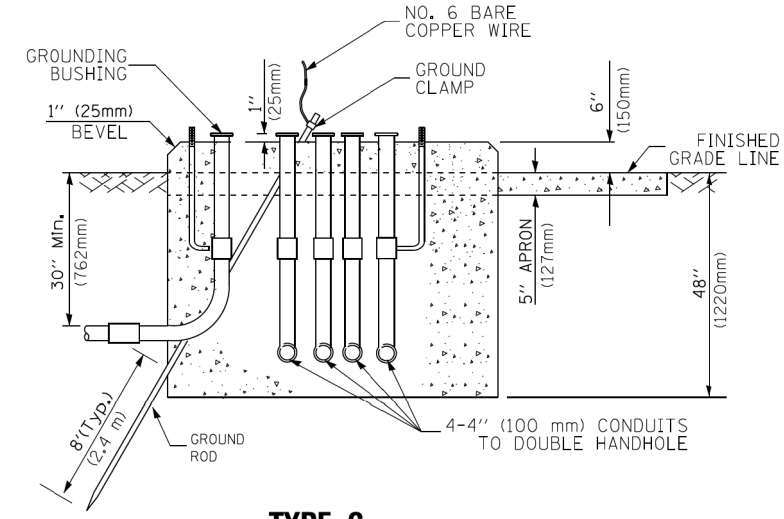


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

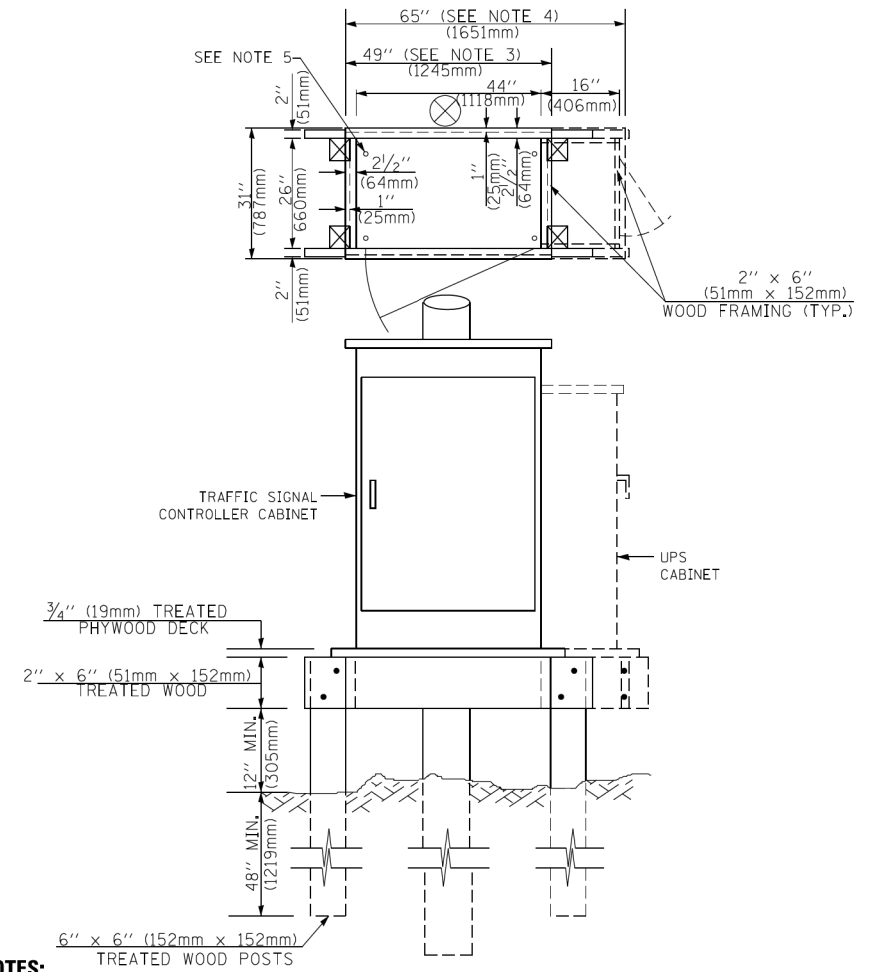


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

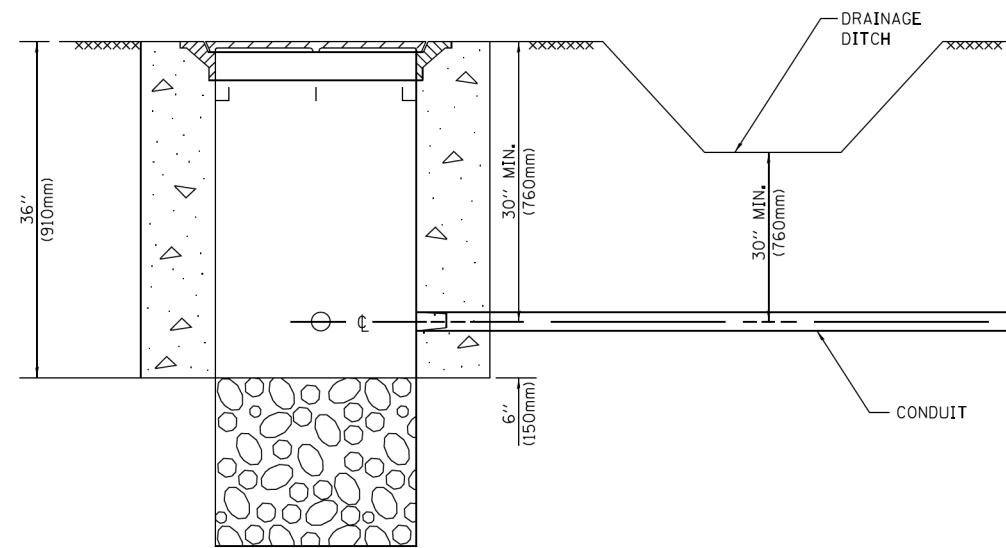
DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

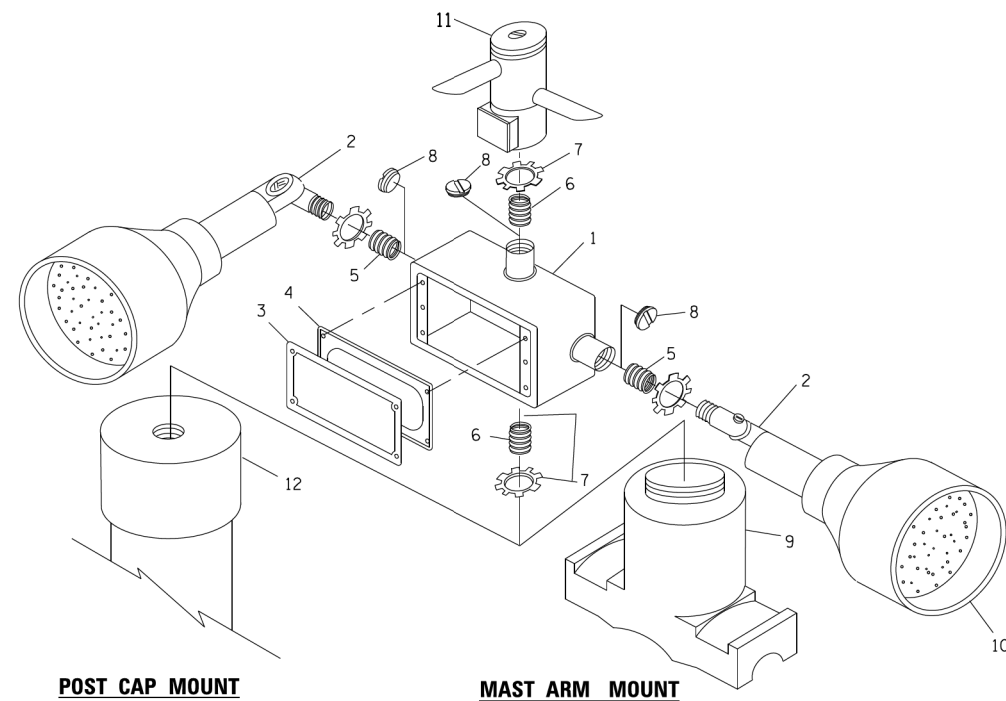
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



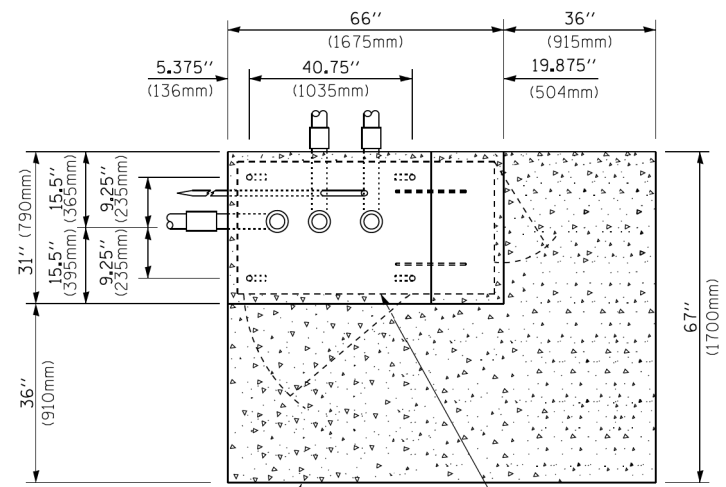
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

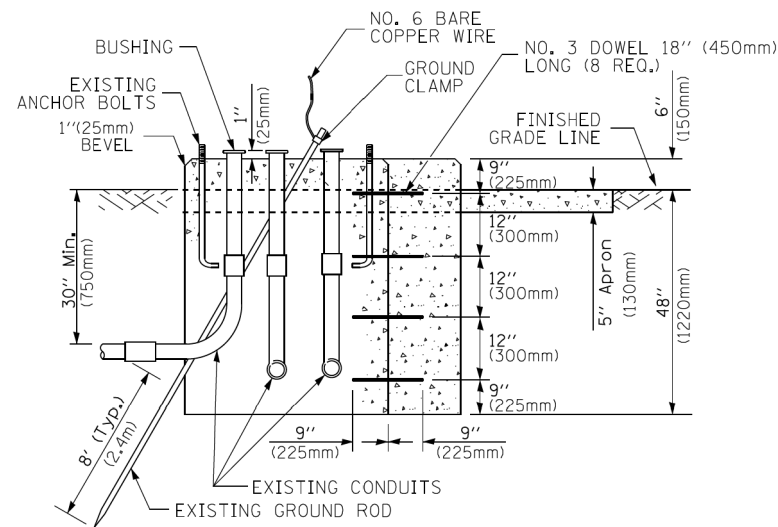
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

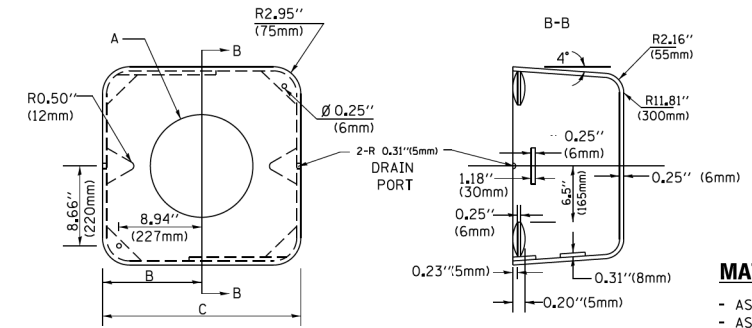


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4"(19 mm) CLOSE NIPPLE
7	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

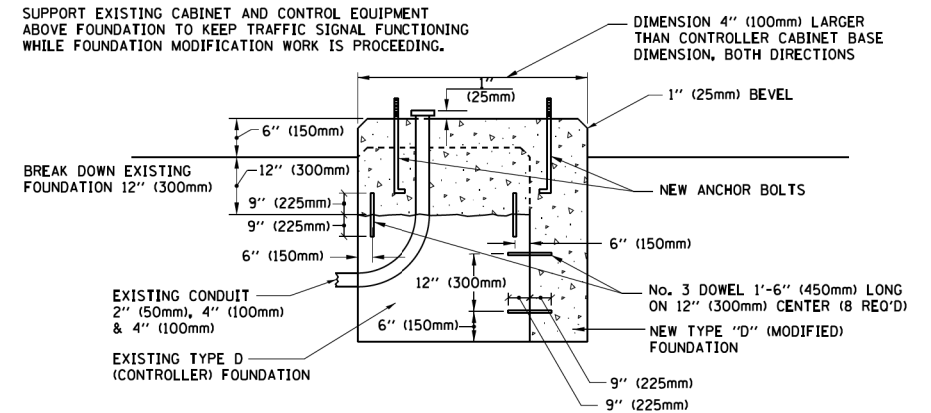
SHROUD

NOTES:

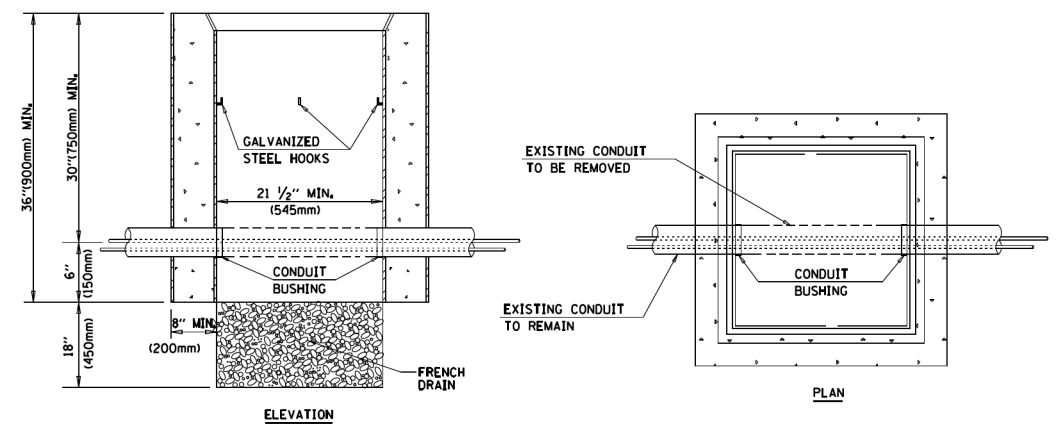
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

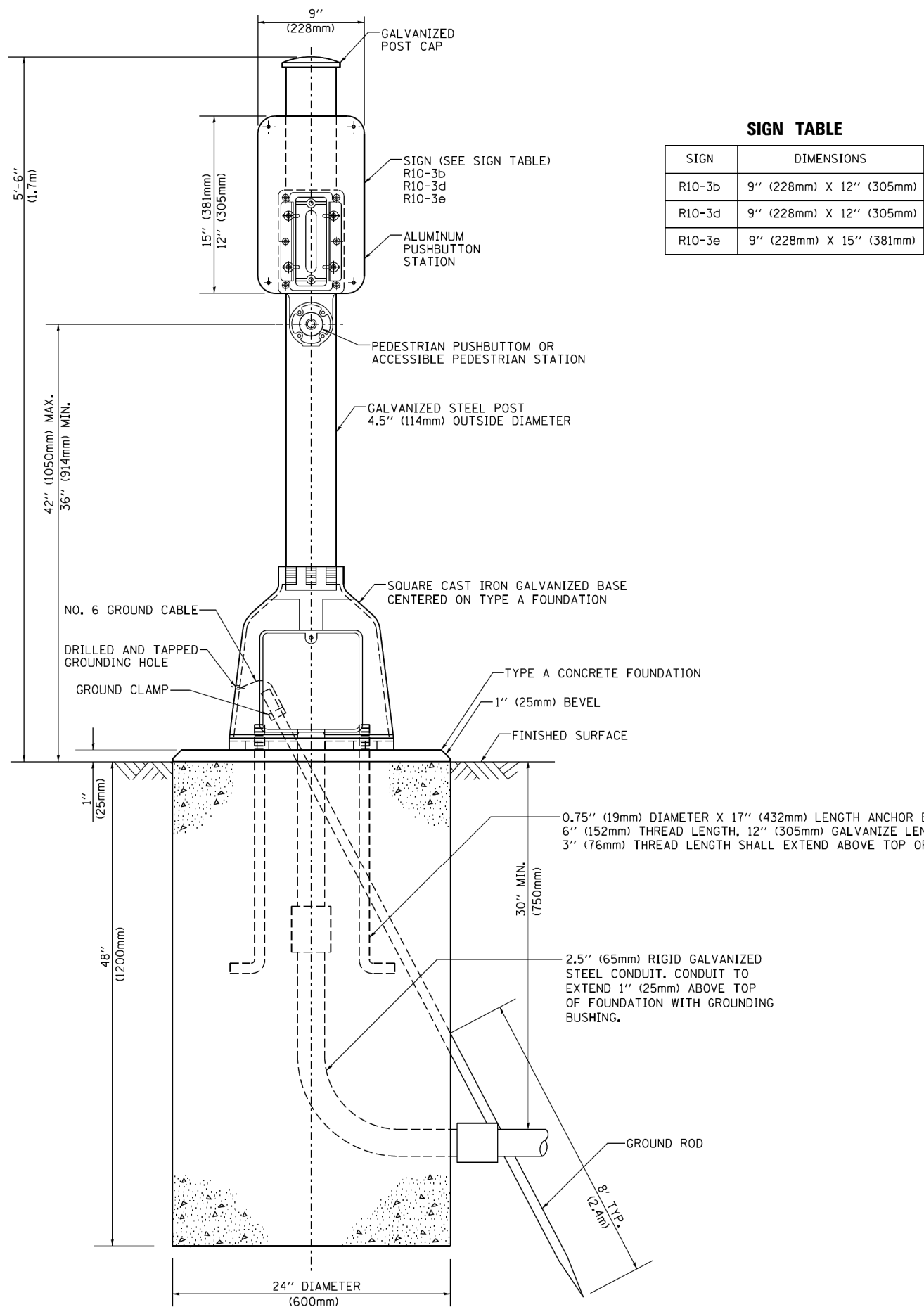
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		DATE = 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

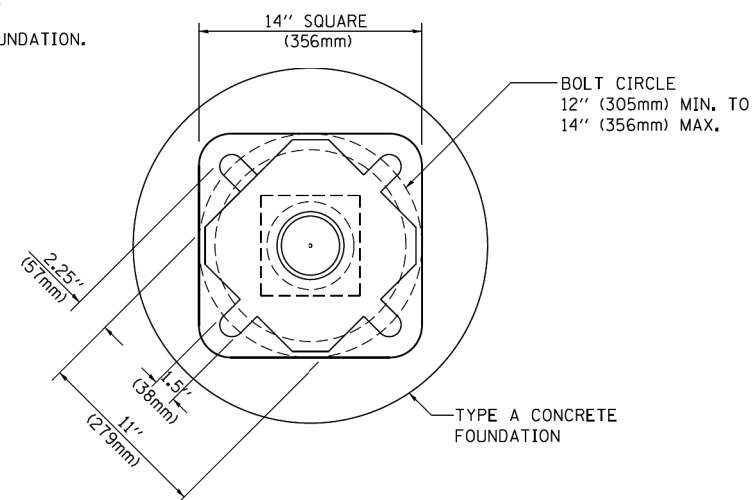
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	17-DCCSS-01-TL	DUPAGE	277	276
CONTRACT NO.			61F05	
ILLINOIS FED. AID PROJECT				



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

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		CHECKED - DAD	REVISED -
		DATE - 10/1/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-DCCSS-01-TL	DUPAGE	277	277
CONTRACT NO.			61F05	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.