04-26-2019 LETTING ITEM 080

di

С

C

C

O

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

FOR INDEX OF SHEETS, SEE SHEET NO. 2 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3

ADT

2000

2900

2950

% TRUCKS

13.0

8.6

12.7

16.3

TRAFFIC DATA

APPROACH

IL 14 W. OF US 45

IL 14 E. OF US 45

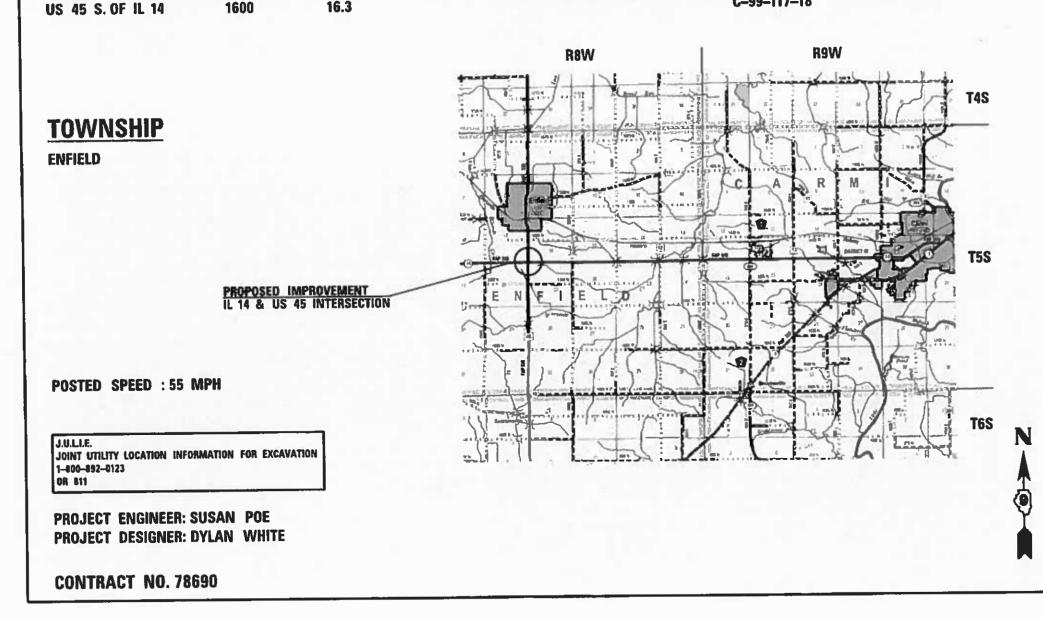
US 45 N. OF IL 14

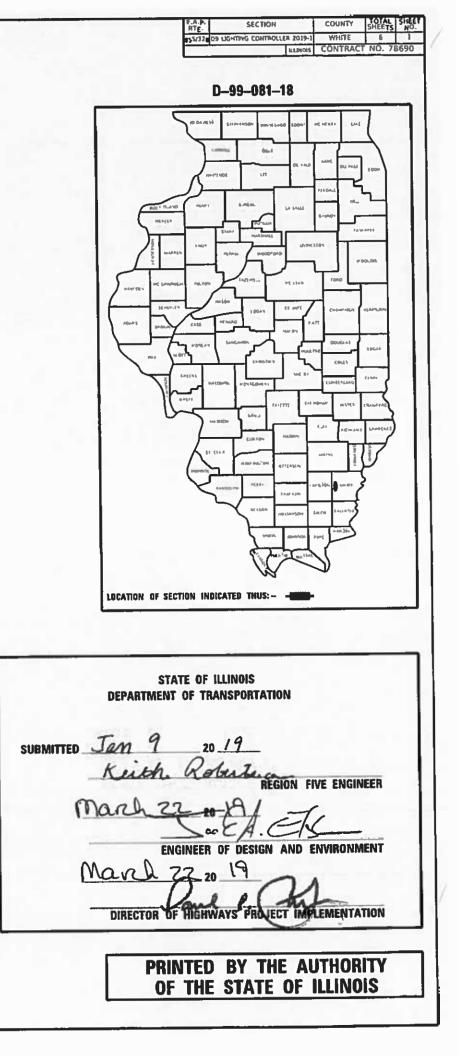
PROPOSED **HIGHWAY PLANS**

FAP ROUTE 855 (IL 14) / FAP ROUTE 328 (US 45) **SECTION: D9 LIGHTING CONTROLLER 2019-1**

LIGHTING CONTROLLER WHITE COUNTY

C-99-117-18





INDEX OF SHEETS

GENERAL NOTES

SHT. NO.	DESCRIPTION	
1	COVER SHEET	STATIONING SHOWN IN THE
2	INDEX OF SHEETS, STANDARDS, GENERAL NOTES, SIGNATURE BLOCK	AND OLD PLANS,
3	SUMMARY OF QUANTITIES	THE FINAL LOCATION OF TH APPROVED BY THE BUREAU (
4	PROPOSED FOUR WAY FLASHING BEACON INSTALLATION	2" CONDUIT SHALL BE ALLO
5	WIRING DIAGRAMS, FLASHING BEACON CLEARANCE DETAIL	THERE ARE NO AVAILABLE W
6	SOIL BORING LOG	PROJECT LIMITS. DISPOSAL WASTE MUST BE DISPOSED C SPECIFICATIONS.

EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS SHALL BE RESTORED TO THE LIMITS AND CONDITION SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE PLANS, THE REMOVAL AND RESTORATION SHALL BE INCLUDED IN THE CONTRACT.

TO STA.

CABLE QUANTITIES ARE MEASURED IN PLAN VIEW.

COMMITMENTS

NONE

.

STANDAR	DS	Prepare
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY	Examine
701006-05	OFF-RD OPERATIONS, 2L. 2W, 15' TO 24' FROM PAVEMENT EDGE	
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH	
701901-08	TRAFFIC CONTROL DEVICES	Examine
805001-01	ELECTRIC SERVICE INSTALLATION DETAILS	
821101-02	LUMINAIRE WIRING IN POLE	Examine
825001-04	LIGHTING CONTROLLER, POLE MOUNTED, 240 V	
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING	
877011-10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'	
878001-10	CONCRETE FOUNDATION DETAILS	
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS	Examine
		Examine

	USER NAME = whitede	DESIGNED	REVISED -		INDE		ETS GENE		TES CO	
		DRAWN +	REVISED -	STATE OF ILLINOIS	INDE	INDEX OF SHEETS, GENERA Standards, Sig				
	PLOT SCALE = 20.0000 ° / m	CHECKED .	REVISED -	DEPARTMENT OF TRANSPORTATION		STA	NDAKUS, S	SIGNATU	INE BL	
	PLOT DATE = 1/8/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA,	

PLANS IS BASED ON STATION STAMPS IN EXISTING PAVEMENT

THE MAST ARM FOUNDATION AND SERVICE POLE SHALL BE J OF OPERATIONS BEFORE INSTALLATION.

LOWED IN MAST ARM FOUNDATION IN LIEU OF 2.5" CONDUIT.

WASTE SITE ON THE EXISTING RIGHT OF WAY WITHIN THE SAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND D OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD

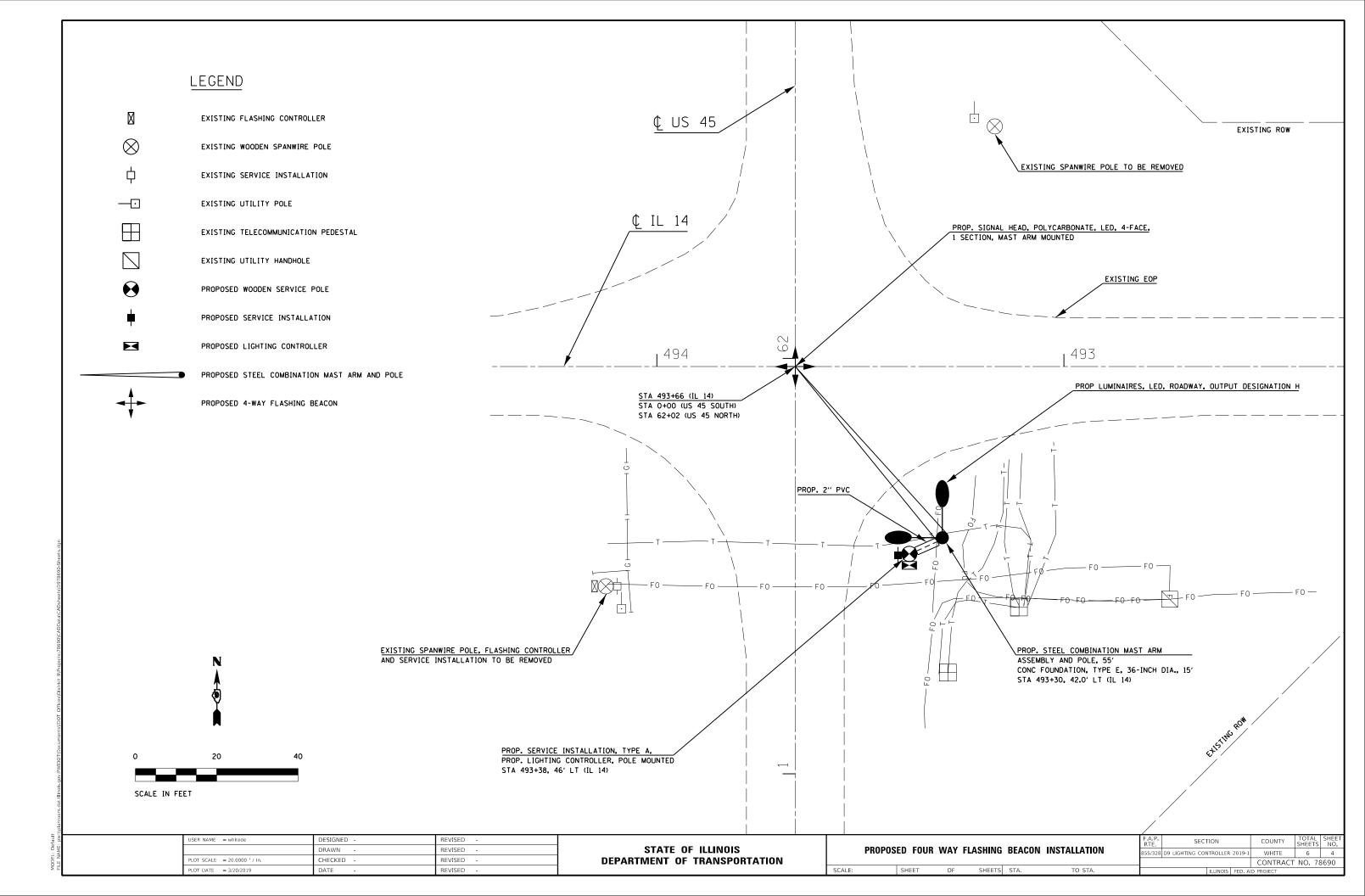
red	By:	Cha	h		in									
	ζ.	DISTRICT		ES & PLAN	S ENGI	NEER								
ned	By:	Na												
		DISTRICT	LAND	ACOUISITIO	IN ENGI	NEEF	{							
ned	By:	Car	mì	Nelse										
				AM DEVELOP		NGIN	EER							
ned	By:	Ke	el M	Q										
		DISTRICT	OPERA	TIONS ENG	INEER									
ned	By:	G	4	Ex	-									
		DISTRICT	PROJEC	T IMPLEMENT	TATION	ENGIN	NEER							
ned	By:	Dave	h n 7	Q. and										
		DISTRICT	CONST	TRUCTION E	NGINEE	R								
ned	By:	20					17							
		DISTRICT	MATER	RIALS ENGIN	NEER		2							
			F.A.P.			TOTAL	SHEET							
IOTES, CO Fure blo	mmitmen1 ICK	rs,	RTE.	SECTION	COUNTY WHITE	SHEETS 6	NO. 2							
					CONTRACT	NO. 78	8690							

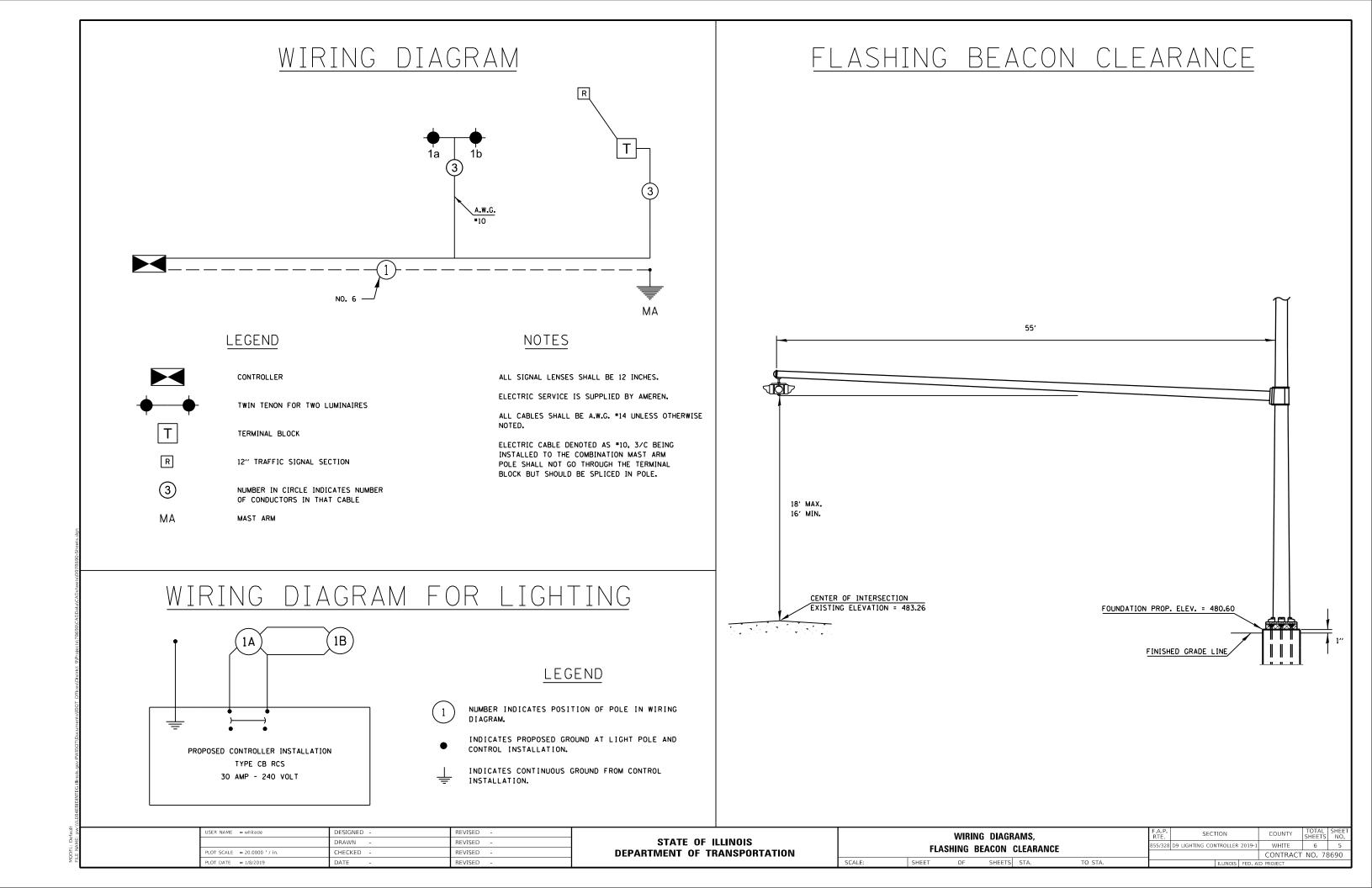
ILLINOIS FED. AID PROJECT

		COUNTY:	COUNTY:	WHITE
	SUMMARY OF QUANTITIES	ROUTE:	ROUTE:	IL 14 / US 45
		F UND I NG:	F UND I NG:	100% STATE
		LOCATION:	LOCATION:	RURAL
CODE	ITEM DESCRIPTION	UNIT	TOTAL	
NUMBER		0.011	OUANTITY	0021
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
80500100	SERVICE INSTALLATION, TYPE A	EACH	1	1
	SERVICE INSTALLATION, TIPE A	EACH		1
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	10	10
81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	61	61
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	2	2
82500300	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 30AMP	EACH	1	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	91	91
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	46	46
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT	EACH	1	1
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15	15
88040410	SIGNAL HEAD, POLYCARBONATE, LED, 4-FACE, 1-SECTION, MAST ARM MOUNTED	EACH	1	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1

DRAWN REVISED REVISED STATE OF ILLINOIS SUMMARY OF QUANTITIES International data PLOT SCALE = 100.0000 / in. CHECKED REVISED REVISED CONTRACT NO.	USER NAME = whitede		REVISED -									SECTION	COUNTY	TOTAL SHEETS	
PLOT SCALE = 100.0000 / III. CHECKED - DEPARTMENT OF TRANSPORTATION CONTRACT NO.					SUMMARY OF QUANTITIES					855/328 D9 LIGH			6	3	
PLOT DATE = 1/8/2019 DATE - REVISED - SCALE: SHEET OF SHEETS STA. TO STA. ILLINOIS FED. ALD PROJECT		DATE -	1	DEPARTMENT OF TRANSPORTATION	SCALE:	SHEET	OF	SHEETS STA		TO STA.	1			F NO. 78	690

REV. - MS





No. of Aug. Town by Line	1	LLINOI		ARTMEN ict Ni	Bridge Foundation Boring Log Sheet 1 of 1							
Mast Arm Foundation Route: FAP 855 (IL 14) St	ructur	e Numbe:	r			Date		of 1 0/29/2				
Section D9 LIGHTING CONTROL		e Numbe	r:		B	ored By:			010			
County: White		tion: SI	E QUAD	of the	INT of US 45 & IL 14 Chee		the second s	the second se				
Boring No <u>1-MA</u> Station <u>493+05</u> Offset <u>34' LT (S) IL 14</u> Ground Surface <u>479.5Ft</u>	D E P T	B L O W S	Qu tsf	W%	Surf Wat Elev: 0.0 Ground Water Elevation when Drilling 00 At Completion 0 At: Hrs:	— D E P T H	B L O W S	Qu tsf	W%			
					Bottom of Hole = 20.0 feet							
					No free water observed							
Stiff Brown, Moist CLAY A7-6		1 3	1.6B	22	Elevation referenced to benchmark on a headwall		7					
		3	1.00		180 feet east of the intersection of US 45 and IL 14							
475.0					Elevation = 478.50							
V. Stiff Brown and Mottled Grey, Moist CLAY A7-6	5.0	1 2 2	3.3B	20	To convert "N" values to "N60" multiply by 1.5	30.0						
472.5												
V. Stiff Brown and Mottled Grey,		1 6	3.8B	15								
Moist CLAY to SILTY CLAY A-6		7										
470.0												
V. Stiff Brown and Grey,	10.0	2 7	3.9S	19		35.0						
Moist Weathered CLAY SHALE		9										
467.5		10										
Hard, Brown and Grey, Damp to		33 48	5.1S	12								
-												
464.5 Brown CLAY SHALE	15.0	11 100/10"				40.0						
-												
-												
-									s			
Brown CLAY SHALE	20.0	100/7"				45.0						
-												
-												
-												
-												
	25.0					50.0	1					

N-Std Pentr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

USER NAME = whitede	DESIGNED -	REVISED -	SOIL BORING LOG					F.A.P. BTE	SECTION	COUNTY	TOTAL	SHEET		
	DRAWN -	REVISED -	STATE OF ILLINOIS EOD MAGT ADM COUNDATION 855/328 D9 L		FOR MAST ARM FOUNDATION				D9 LIGHTING CONTROLLER 2019-1	WHITE	6	6		
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	FUK WAST AKM FUUNDATION						CONTRACT	F NO. 78	690		
PLOT DATE = 1/8/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		