

**CONTRACT PLANS COMPONENTS**

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS
- INTELLIGENT TRANSPORTATION SYSTEMS PLANS
- LIGHTING PLANS
- A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

**INDEX OF SIGNING & PAVEMENT MARKING PLANS**

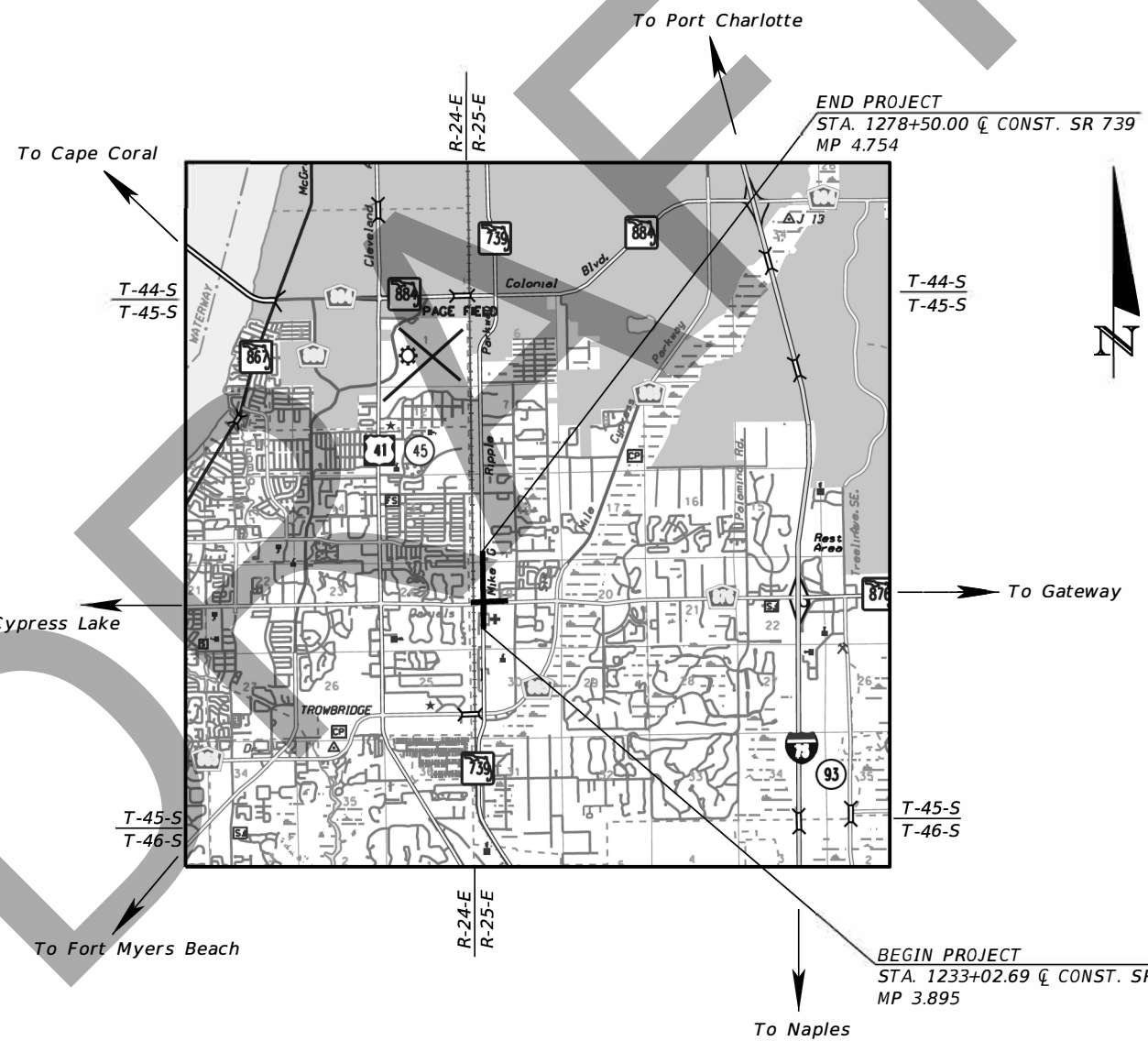
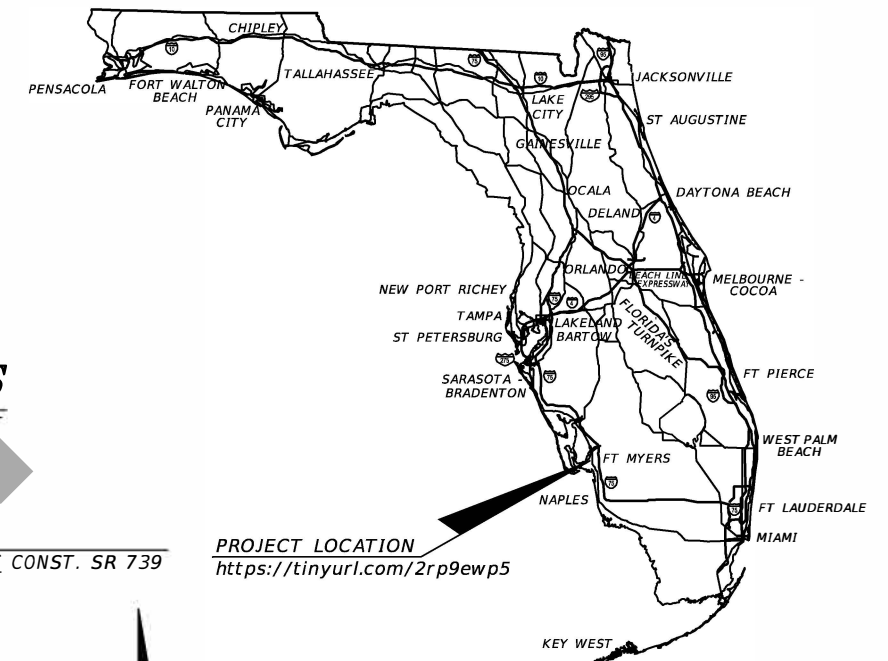
SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3 & S-4	TABULATION OF QUANTITIES
S-5	GENERAL NOTES
S-6 TO S-16	SIGNING AND PAVEMENT MARKING PLAN
S-17 TO S-20	GUIDE SIGN WORKSHEET
* S-21 TO S-26	GUIDE SIGN CROSS SECTIONS
* INCLUDED WITH NEXT SUBMITTAL	

**STATE OF FLORIDA**  
**DEPARTMENT OF TRANSPORTATION**

**CONTRACT PLANS**

FINANCIAL PROJECT ID 431334-2-52-01  
(FEDERAL FUNDS)  
LEE COUNTY (1201100)  
STATE ROAD NO. 739 (METRO PARKWAY)  
FROM S. GULF COAST LN TO PINE PARKWAY

**SIGNING & PAVEMENT MARKING PLANS**



PROJECT LOCATION  
<https://tinyurl.com/2rp9ewp5>

**SIGNING & PAVEMENT MARKING PLANS**  
**ENGINEER OF RECORD:**

ARTHUR L SHIPLEY, P.E. NO.: 49398  
COMPREHENSIVE ENGINEERING SERVICES, INC.  
201 S. ORANGE AVENUE, SUITE 1300  
ORLANDO, FLORIDA 32801  
CONTRACT NO.: C9B28  
VENDOR NO.: F59347222201

**FDOT PROJECT MANAGER:**  
CHRIS SPEESE

**GOVERNING STANDARD PLANS:**

Florida Department of Transportation, TBD Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

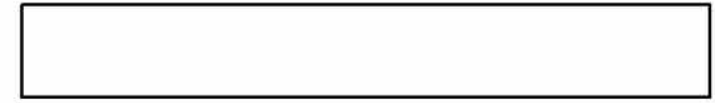
Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

**APPLICABLE IRs:**

Standard Plans for Bridge Construction are included in the Structures Plans Component

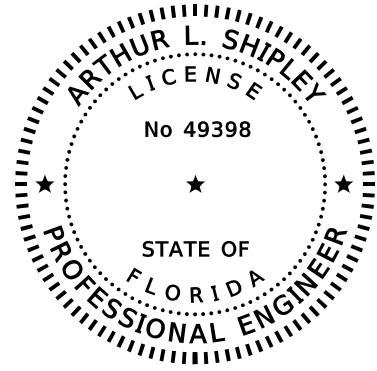
**GOVERNING STANDARD SPECIFICATIONS:**

Florida Department of Transportation, TBD Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>



CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	TBD	S-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL  
PRINTED COPIES OF THIS DOCUMENT ARE  
NOT CONSIDERED SIGNED AND SEALED  
AND THE SIGNATURE MUST BE VERIFIED  
ON ANY ELECTRONIC COPIES.

Arthur L. Shipley, P.E.  
P.E. License Number 49398  
Comprehensive Engineering Services, Inc.  
201 S Orange Ave, Suite 1300  
Orlando, FL 32801-3442

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE  
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3 & S-4	TABULATION OF QUANTITIES
S-5	GENERAL NOTES
S-6 TO S-16	SIGNING AND PAVEMENT MARKING PLAN
S-17 TO S-20	GUIDE SIGN WORKSHEET
*S-21 TO S-26	GUIDE SIGN CROSS SECTIONS

DRAFT

REVISIONS		Arthur L. Shipley, P.E. P.E. License Number 49398 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>SIGNATURE SHEET</i>	SHEET NO.
DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-2
	PRELIMINARY		SR 739	LEE	431334-2-52-01		

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL			
			S-6		S-7		S-8		S-9		S-10		S-11		S-12		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
641-2-80	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- POLE 30' AND GREATER	EA																		
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS																		
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12 TO 20 SF	AS																		
700-1-13	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 21 TO 30 SF	AS																		
700-1-50	SINGLE POST SIGN, RELOCATE	AS																		
700-1-60	SINGLE POST SIGN, REMOVE	AS																		
700-2-14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS																		
700-2-15	MULTI- POST SIGN, F&I GROUND MOUNT, 51-100 SF	AS																		
700-3-211	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 601 SF AND GREATER	EA																		
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, SPAN, 101-150 FT	EA																		
700-13-15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA																		
704-1-2	TUBULAR MARKER, DURABLE, 36" YELLOW POST	EA																		
705-10-1	OBJECT MARKER, TYPE 1	EA																		
706-1-3	RAISED PAVEMENT MARKER, TYPE B	EA																		
710-11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF																		
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 8"	GM																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM																		
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF																		
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF																		
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF																		
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM																		
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA																		
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA																		
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF																		
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION LINE, 6"	GM																		
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF																		
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA																		
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA																		
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM																		
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM																		
711-16-131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM																		
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM																		
711-17-1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF																		

PAY ITEM NOTES:  
 \* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

REVISIONS DATE DESCRIPTION DATE DESCRIPTION				Arthur L. Shipley, P.E. P.E. License Number 49398 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-3
PRELIMINARY NOT FOR CONSTRUCTION					ROAD NO. SR 739	COUNTY LEE	FINANCIAL PROJECT ID 431334-2-52-01	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-13		S-14		S-15													
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
641-2-80	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- POLE 30' AND GREATER	EA																		
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700-1-50	SINGLE POST SIGN, RELOCATE	AS																		
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*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 8"	GM																		
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*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM																		
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711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM																		
711-16-131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM																		
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM																		
711-17-1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF																		

PAY ITEM NOTES:  
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REVISIONS DATE DESCRIPTION DATE DESCRIPTION				Arthur L. Shipley, P.E. P.E. License Number 49398 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-4
PRELIMINARY NOT FOR CONSTRUCTION					ROAD NO. SR 739	COUNTY LEE	FINANCIAL PROJECT ID 431334-2-52-01	
\$USERS	\$DATE\$	\$TIME\$	\$DATE\$	\$TIME\$	\$MODELNAME\$	\$TIMES	\$FILES	\$FILES\$

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



GENERAL NOTES

1. UNLESS OTHERWISE NOTED ON PLAN SHEETS, ALL CROSSWALKS ACROSS MAJOR STREET SHALL BE 10' IN WIDTH AND ALL CROSSWALKS ACROSS SIDE STREET SHALL BE 6' IN WIDTH. MEASUREMENTS SHALL BE FROM INSIDE TO INSIDE OF 12" STRIPES.
2. ALL SIGNS MOUNTED OVER SIDEWALKS SHALL HAVE A VERTICAL CLEARANCE OF EIGHT FEET (8') STANDARD.

PAY ITEM NOTES

700-1-11: WHERE APPLICABLE, REMOVE THE STREET NAME PANELS AND/OR OTHER SPECIFIED SIGN PANELS FROM EXISTING STOP SIGN ASSEMBLIES THAT ARE BEING REMOVED AND INSTALL THEM ON NEW SIGN ASSEMBLIES AS CALLED FOR IN PLANS. IF EXISTING MOUNTING BRACKETS ARE UNUSABLE, PURCHASE APPROVED BRACKETS FOR ATTACHMENT OF RELOCATED SIGN PANELS TO ENSURE PROPER INSTALLATION OF COMPLETE ASSEMBLY FOR THE POST USED.

ABBREVIATIONS

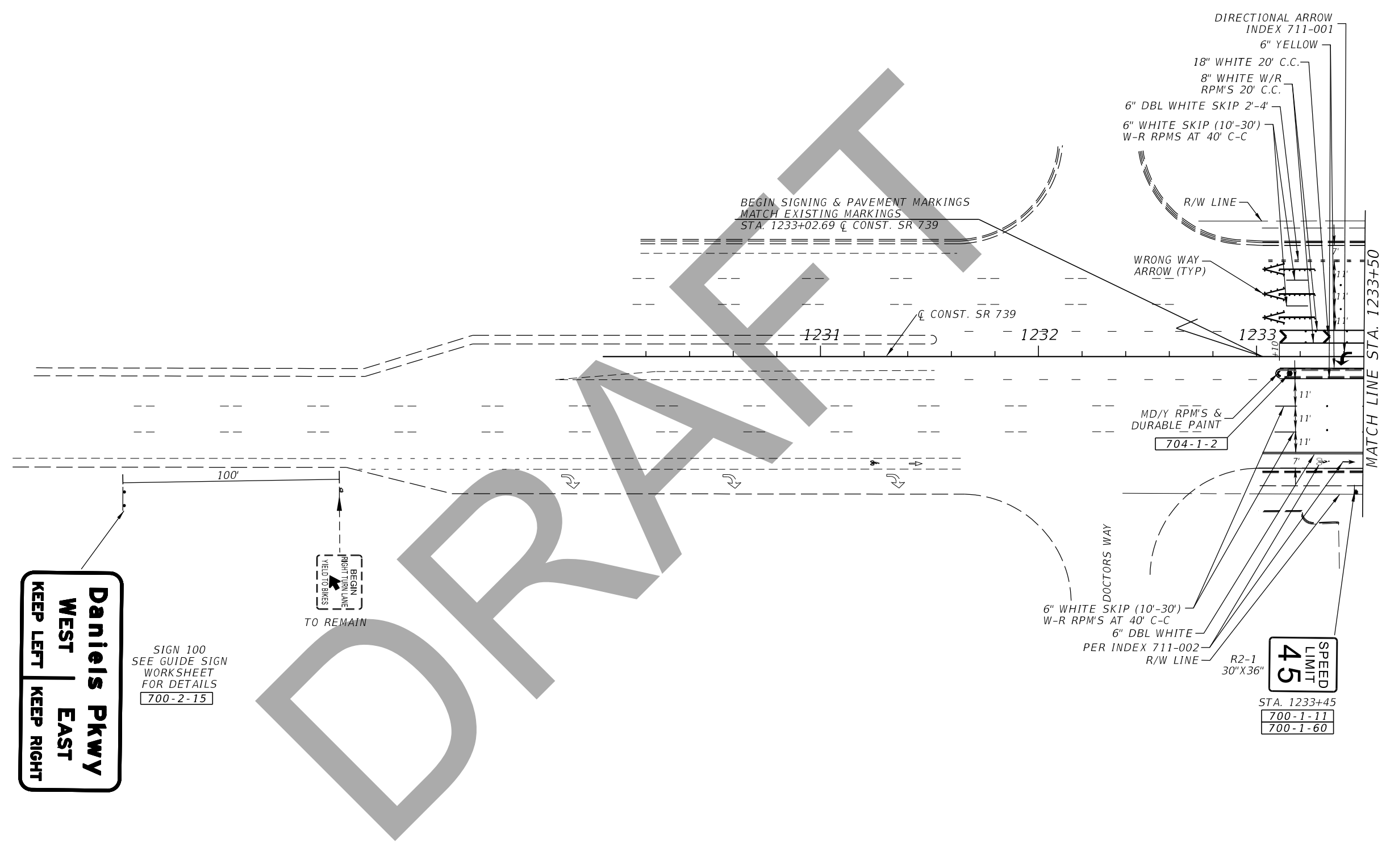
THERMO = THERMOPLASTIC  
 NB = NORTHBOUND  
 SB = SOUTHBOUND  
 RT = RIGHT  
 LT = LEFT  
 W/R = WHITE-RED  
 MD/W = MONO-DIRECTIONAL WHITE  
 MD/Y = MONO-DIRECTIONAL YELLOW  
 Y/Y = YELLOW-YELLOW

DRAFT

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>GENERAL NOTES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-5
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>			SR 739	LEE	431334-2-52-01		

\$USERS\$ \$DATE\$ \$TIME\$ \$MODELNAME\$ \$TIMES\$ \$FILES\$ \$FILES\$

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DRAFT

REVISIONS	
DATE	DESCRIPTION
	<b>PRELIMINARY</b> NOT FOR CONSTRUCTION

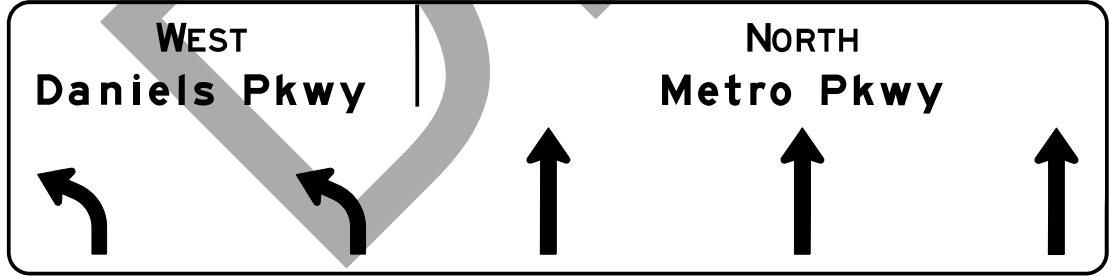
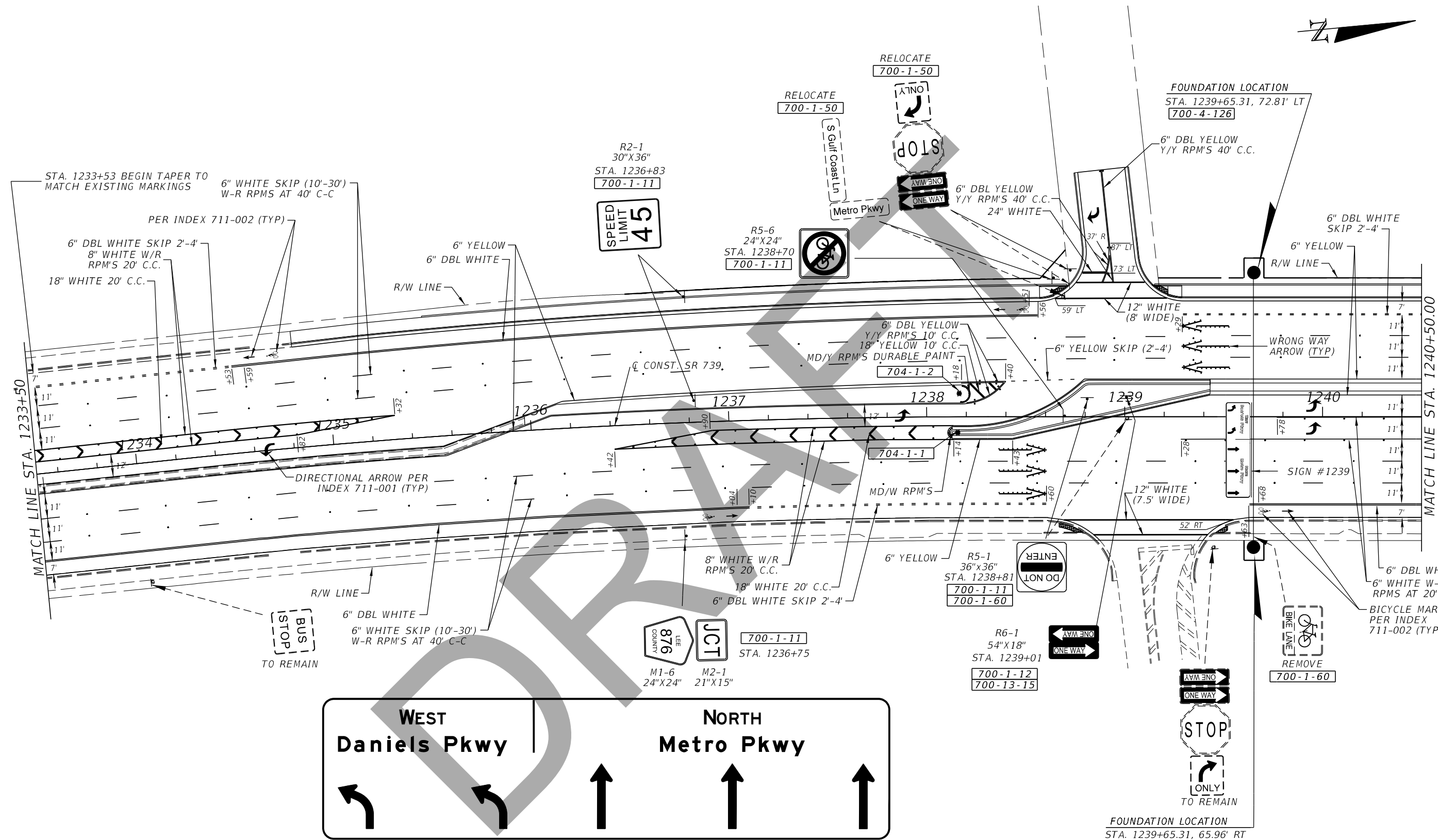
Arthur L. Shipley, P.E.  
P.E. License Number 49398  
Comprehensive Engineering Services, Inc.  
201 S Orange Ave, Suite 1300  
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

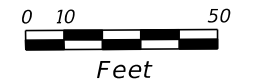
**SIGNING & PAVEMENT  
MARKING PLAN**

SHEET NO.  
S-6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

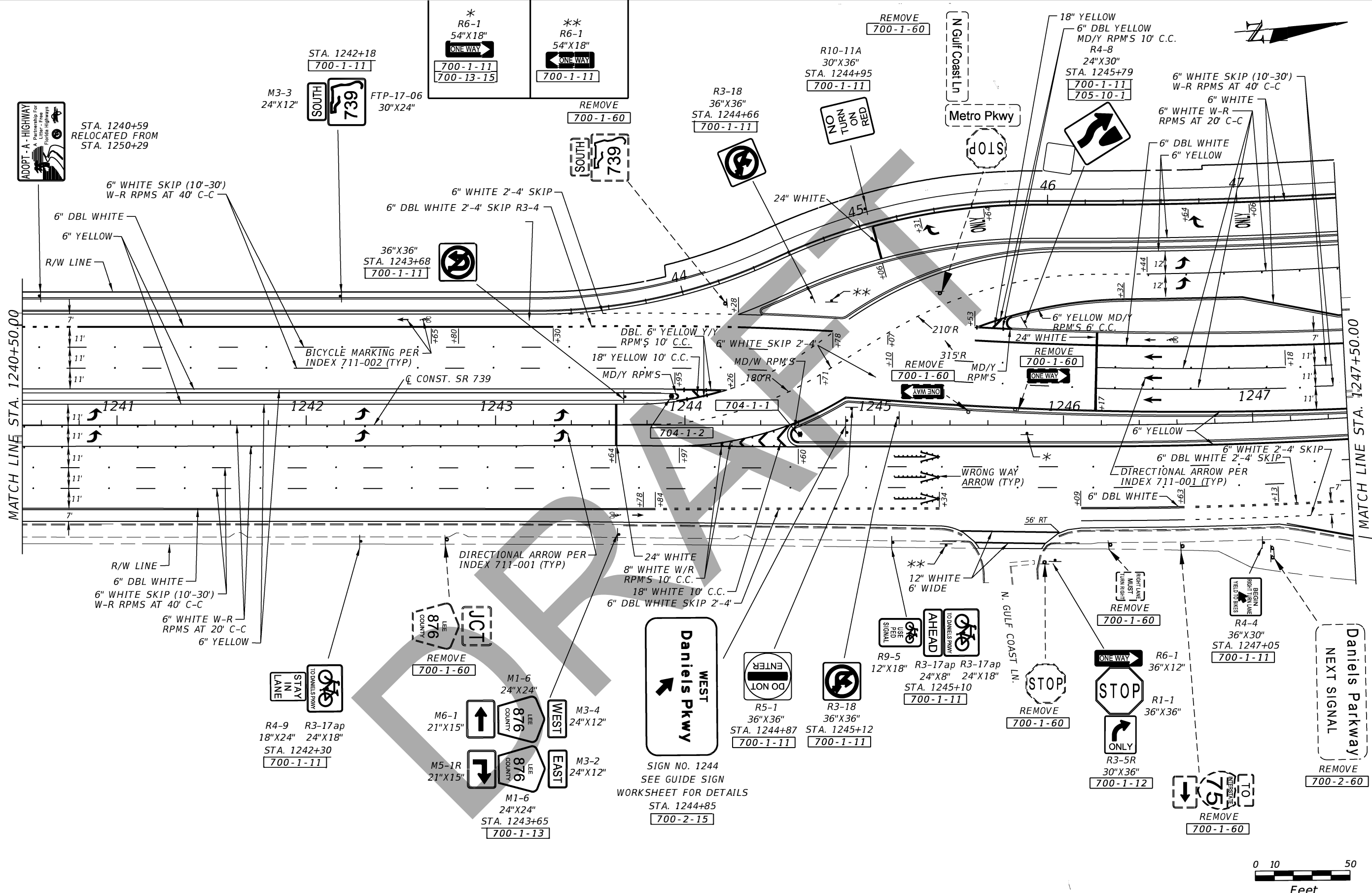


SIGN #1239  
SEE GUIDE SIGN  
WORKSHEET FOR DETAILS  
700-3-211  
STA. 1239+65



REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & PAVEMENT MARKING PLAN	SHEET NO. S-7
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>			SR 739	LEE	431334-2-52-01		
Arthur L. Shipley, P.E. P.E. License Number 49398 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442								

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REVISIONS	
DATE	DESCRIPTION
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>

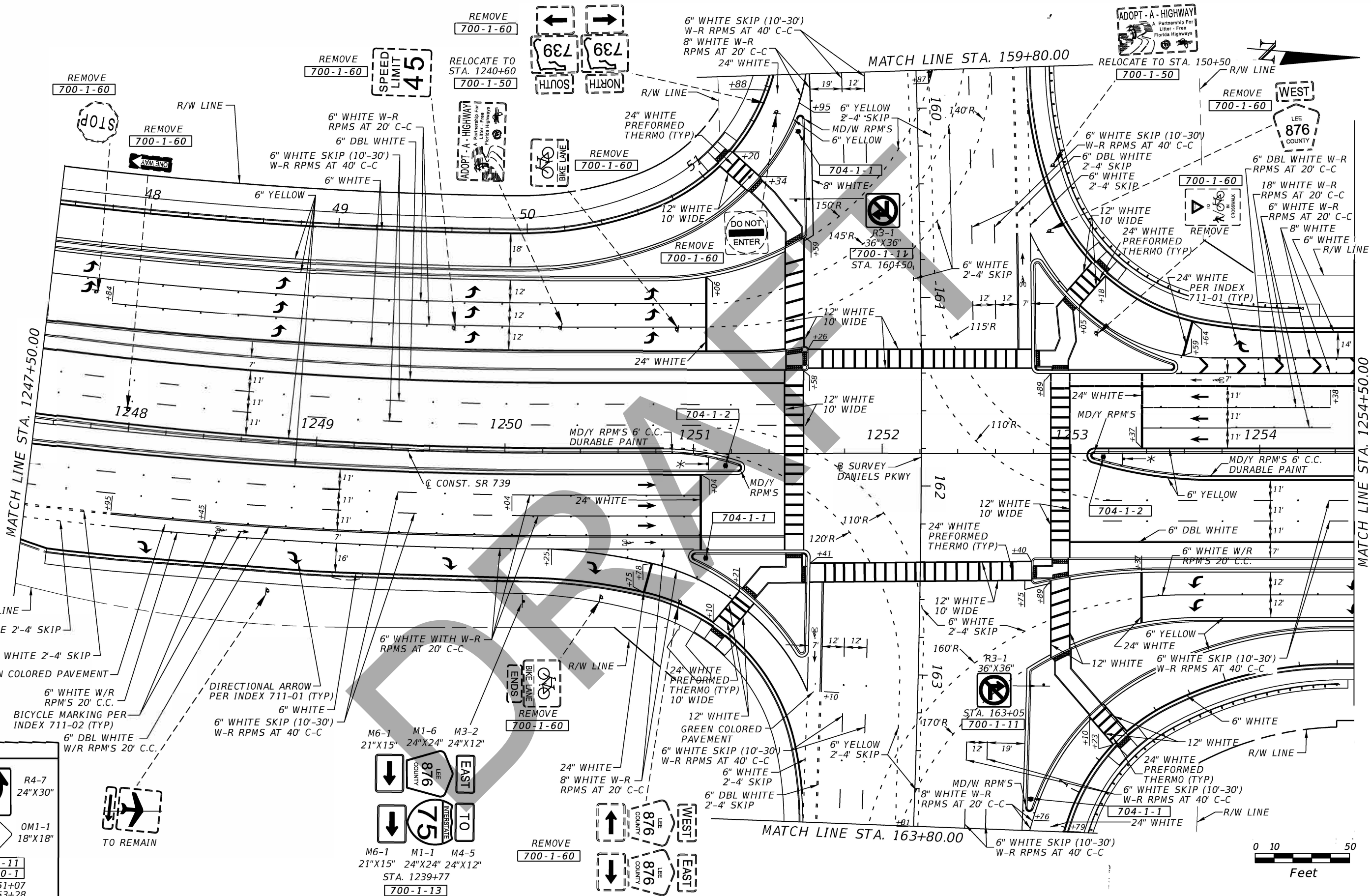
Arthur L. Shipley, P.E.  
 P.E. License Number 49398  
 Comprehensive Engineering Services, Inc.  
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 Orlando, FL 32801-3442

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**SIGNING & PAVEMENT  
MARKING PLAN**

SHEET NO.  
S-8

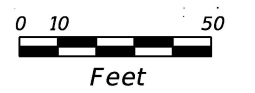
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



\*  
R4-7  
24"X30"  
OM1-1  
18"X18"  
700-1-11  
705-10-1  
STA. 1251+07  
STA. 1253+28



M6-1 M1-6 M3-2  
21"X15" 24"X24" 24"X12"  
LEE COUNTY 876 EAST  
M6-1 M1-1 M4-5  
21"X15" 24"X24" 24"X12"  
STA. 1239+77  
700-1-13



REVISIONS	
DATE	DESCRIPTION
<b>PRELIMINARY</b>	
<b>NOT FOR CONSTRUCTION</b>	
\$DATE\$	\$TIME\$

Arthur L. Shipley, P.E.  
P.E. License Number 49398  
Comprehensive Engineering Services, Inc.  
201 S Orange Ave, Suite 1300  
Orlando, FL 32801-3442

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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**SIGNING & PAVEMENT  
MARKING PLAN**

SHEET NO.  
S-9

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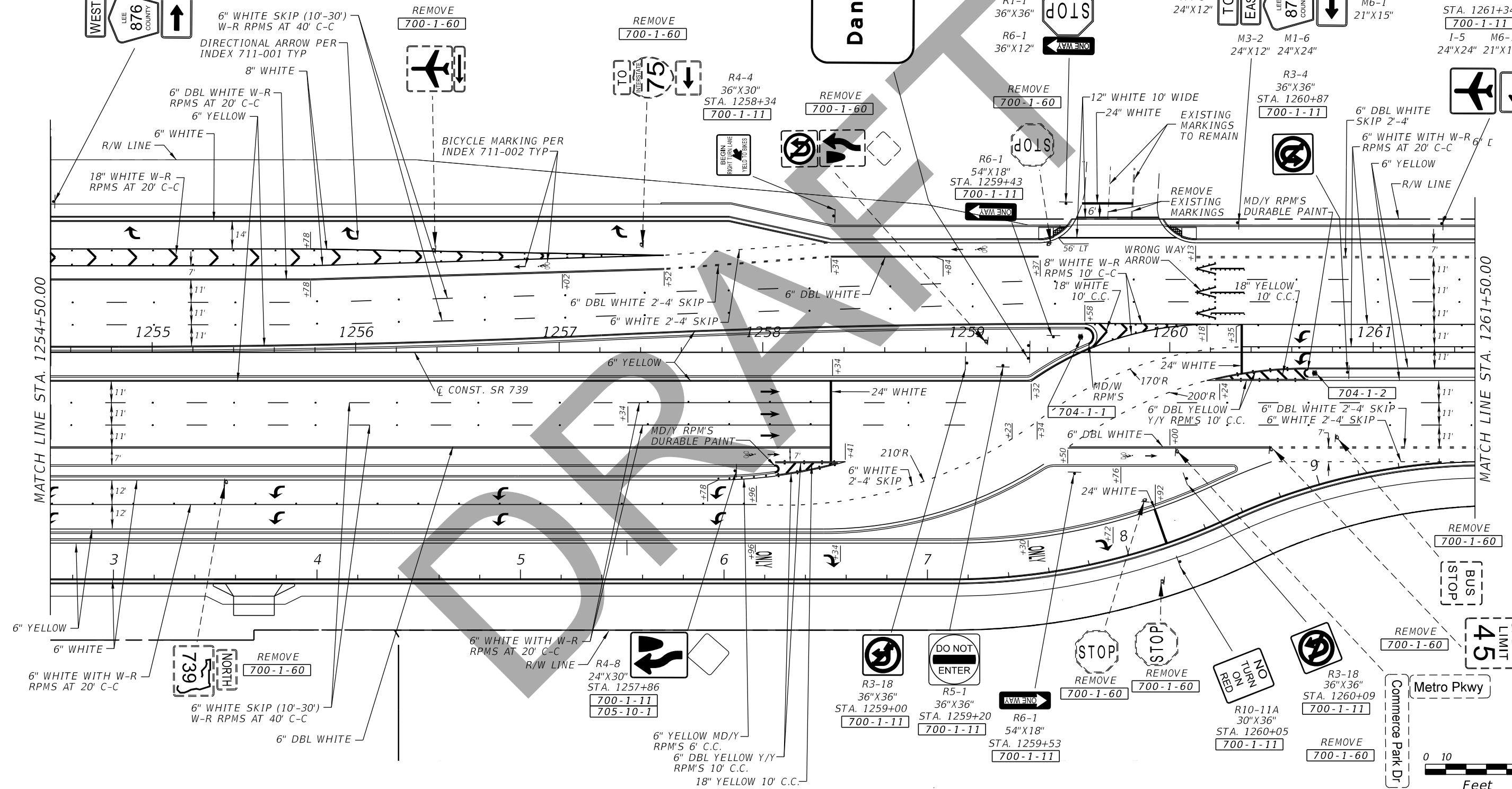
**EAST  
Daniels Pkwy**

SIGN 1259  
SEE GUIDE SIGN  
WORKSHEET  
FOR DETAILS  
700-2-15  
STA 1259+31

STA. 1254+50  
700-1-11  
M3-4 M1-6 M6-1  
24"X12" 24"X24" 21"X15"

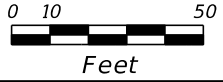
STA. 1260+34  
700-1-13  
M3-4 M1-6  
24"X12" 24"X24"

STA. 1261+34  
700-1-11  
I-5 M6-1  
24"X24" 21"X15"



MATCH LINE STA. 1254+50.00

MATCH LINE STA. 1261+50.00



REVISIONS	
DATE	DESCRIPTION
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>

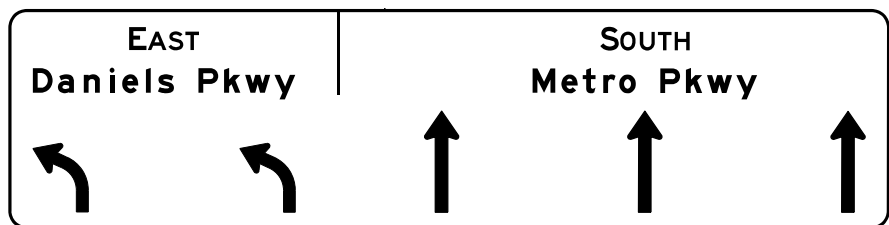
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

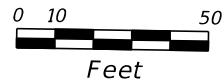
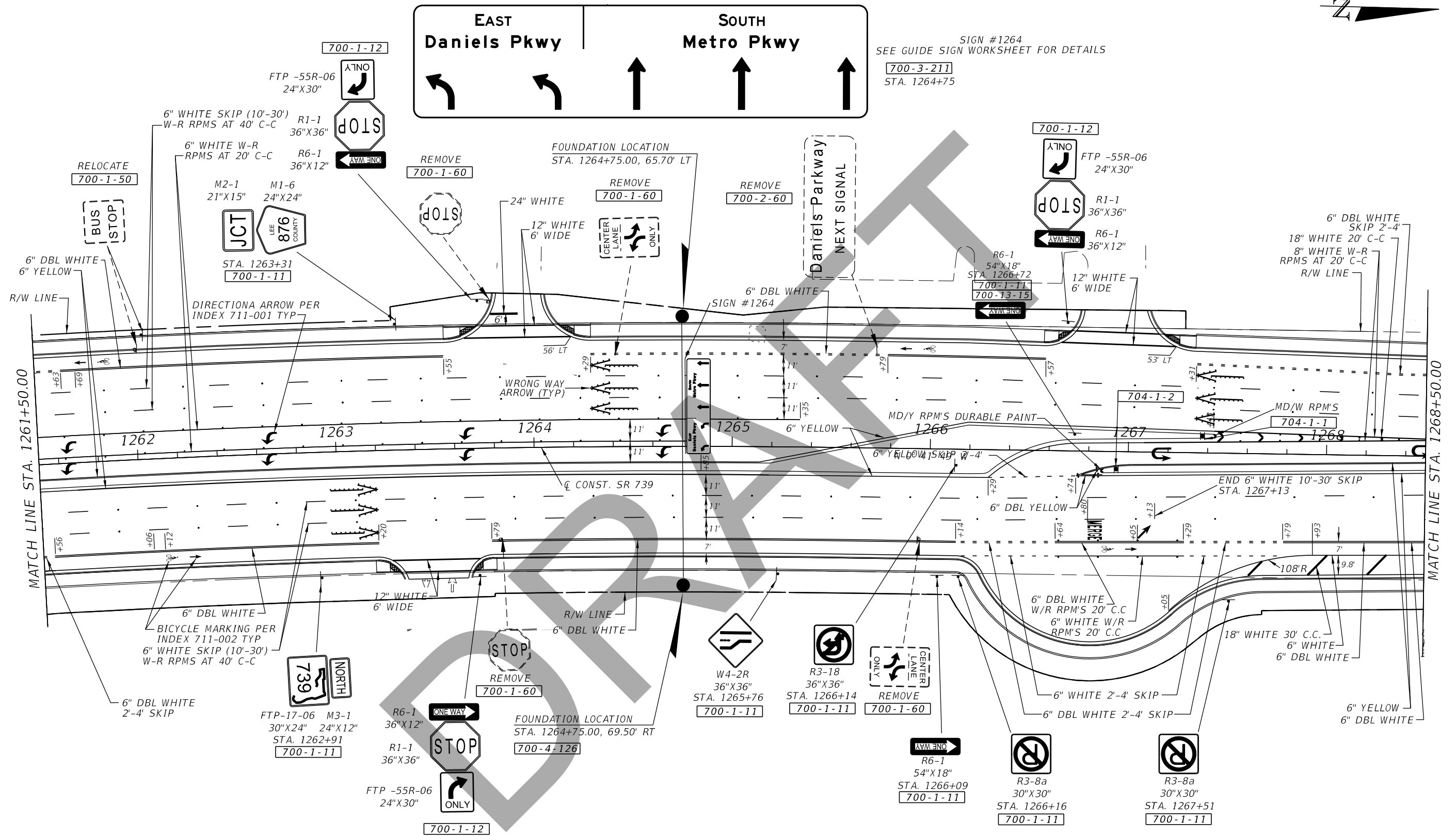
**SIGNING & PAVEMENT  
MARKING PLAN**

SHEET NO.  
S-10

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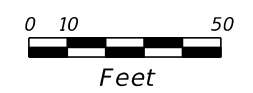
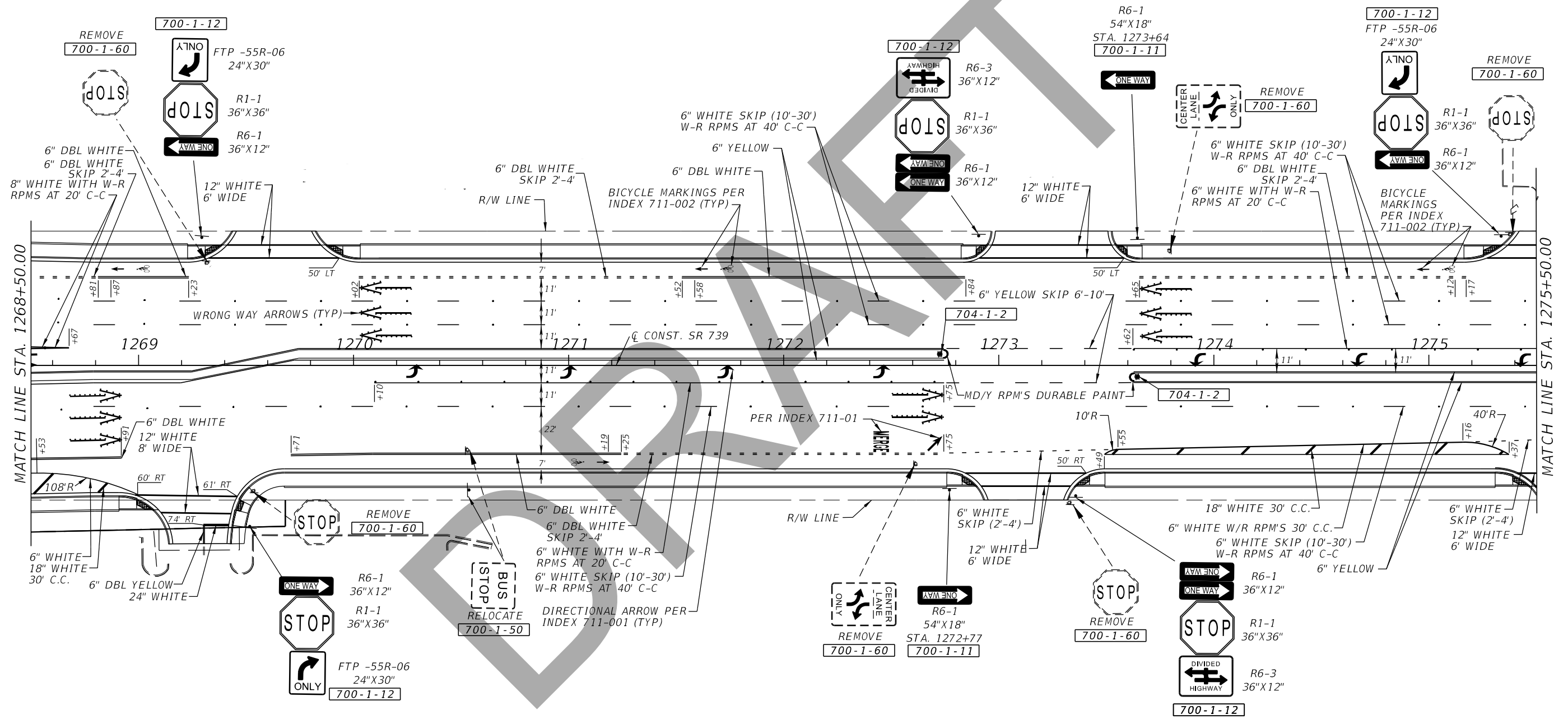


SIGN #1264  
SEE GUIDE SIGN WORKSHEET FOR DETAILS  
700-3-211  
STA. 1264+75



REVISIONS				Arthur L. Shipley, P.E. P.E. License Number 49398 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
	<b>PRELIMINARY</b> NOT FOR CONSTRUCTION				SR 739	LEE	431334-2-52-01	
\$USERS\$	\$DATE\$	\$TIME\$		\$DATES\$	\$TIMES\$	\$MODELNAME\$	\$FILES\$	

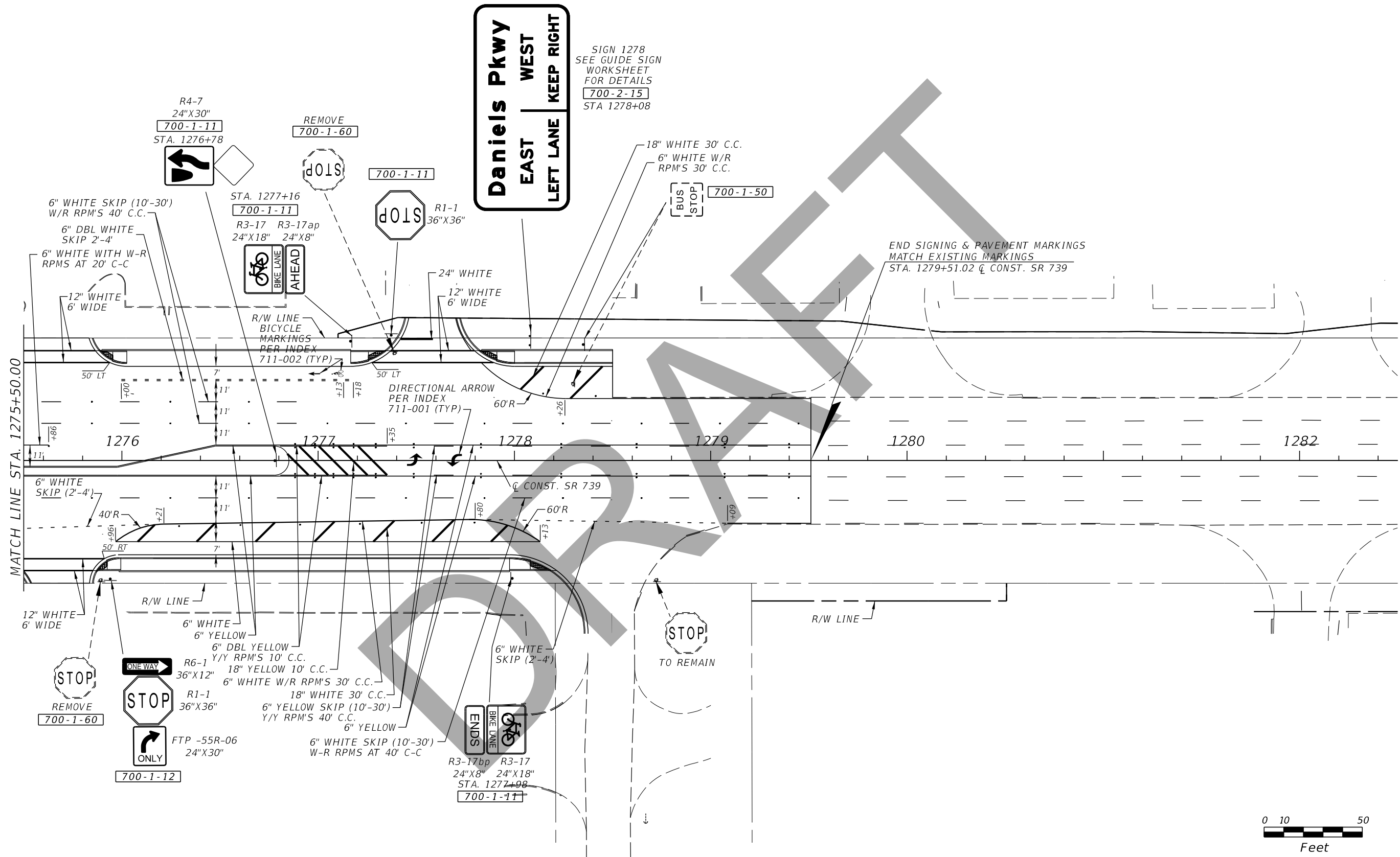
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				Arthur L. Shipley, P.E. P.E. License Number 49398 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; PAVEMENT          MARKING PLAN</b>		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID			S-12
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>			SR 739	LEE	431334-2-52-01						

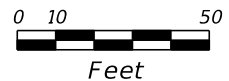
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





SIGN 1278  
SEE GUIDE SIGN  
WORKSHEET  
FOR DETAILS  
700-2-15  
STA 1278+08

END SIGNING & PAVEMENT MARKINGS  
MATCH EXISTING MARKINGS  
STA. 1279+51.02 @ CONST. SR 739



REVISIONS	
DATE	DESCRIPTION
	<b>PRELIMINARY</b> <b>NOT FOR CONSTRUCTION</b>

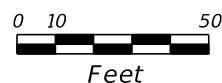
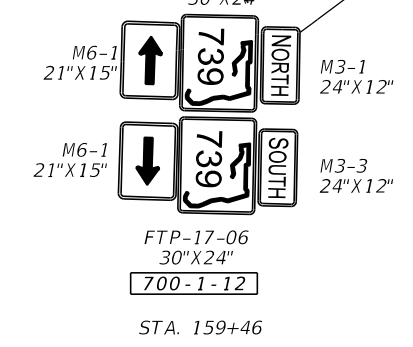
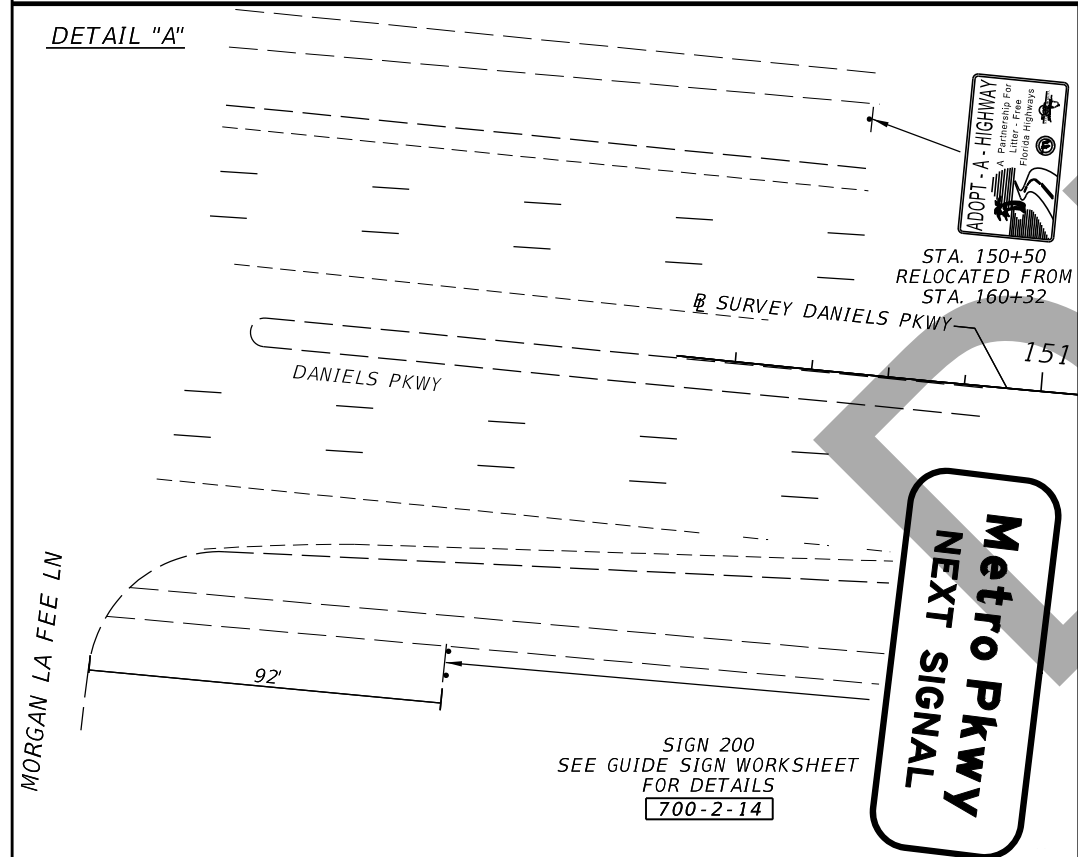
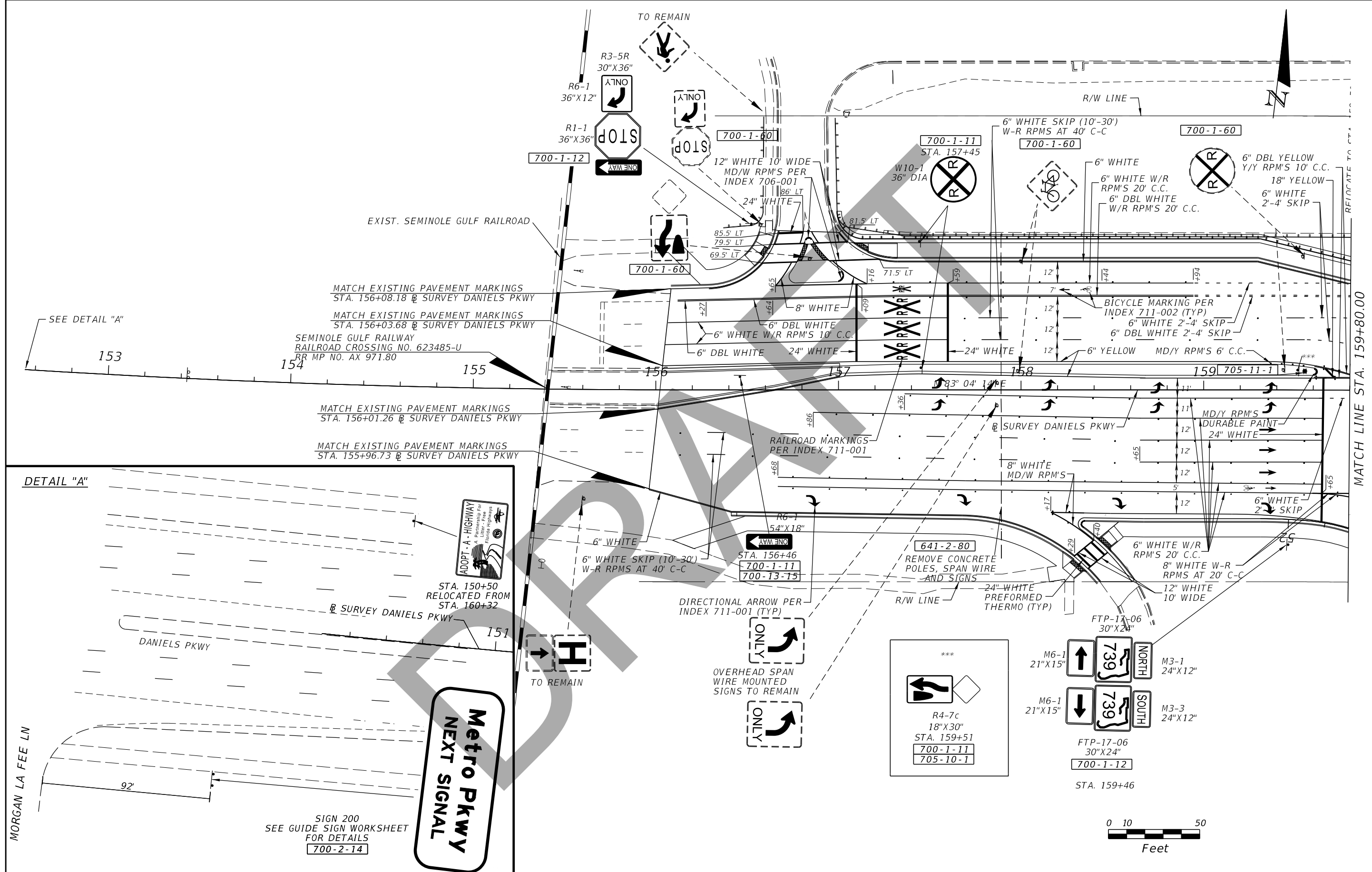
Arthur L. Shipley, P.E.  
P.E. License Number 49398  
Comprehensive Engineering Services, Inc.  
201 S Orange Ave, Suite 1300  
Orlando, FL 32801-3442

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**SIGNING & PAVEMENT  
MARKING PLAN**

SHEET NO.  
S-13

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REVISIONS	
DATE	DESCRIPTION
	<b>PRELIMINARY</b> NOT FOR CONSTRUCTION

Arthur L. Shipley, P.E.  
 P.E. License Number 49398  
 Comprehensive Engineering Services, Inc.  
 201 S Orange Ave, Suite 1300  
 Orlando, FL 32801-3442

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

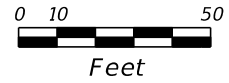
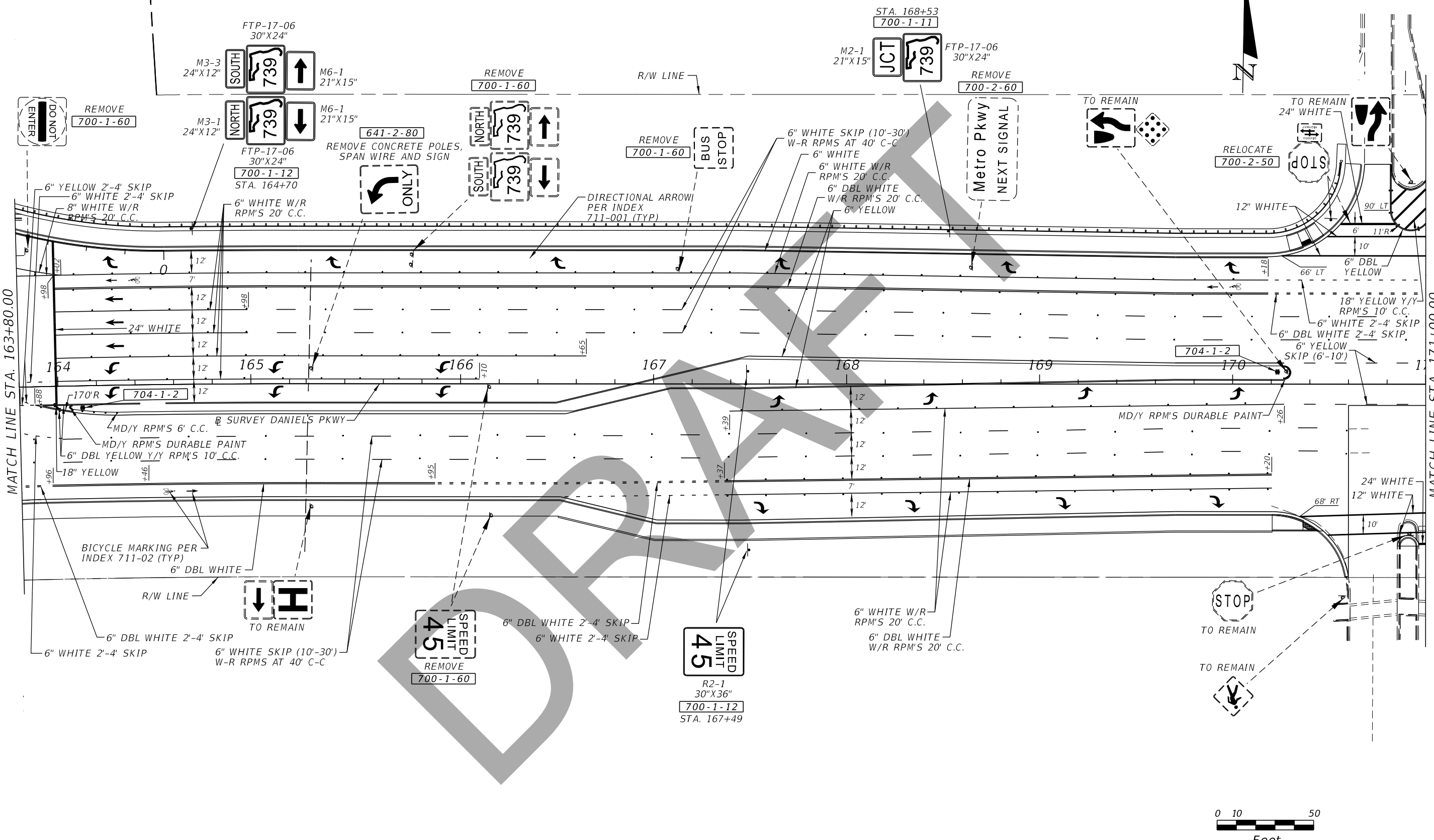
**SIGNING & PAVEMENT  
MARKING PLAN**

SHEET NO.  
S-14

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MATCH LINE STA. 163+80.00

MATCH LINE STA. 171+00.00



REVISIONS		DATE	DESCRIPTION
DATE	DESCRIPTION	DATE	DESCRIPTION
<b>PRELIMINARY</b>			
<b>NOT FOR CONSTRUCTION</b>			
\$USERS\$	\$DATE\$	\$TIME\$	

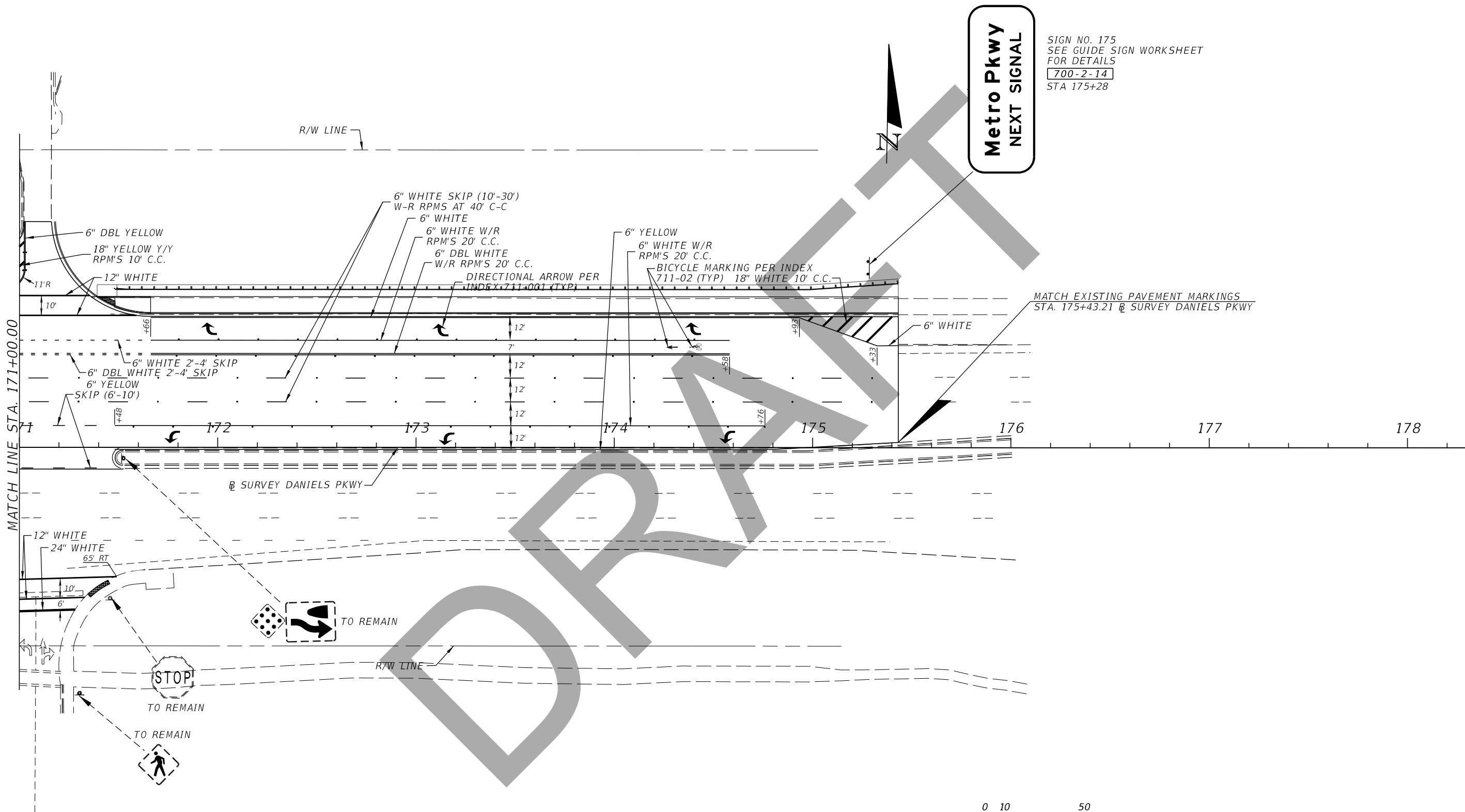
Arthur L. Shipley, P.E.  
 P.E. License Number 49398  
 Comprehensive Engineering Services, Inc.  
 201 S Orange Ave, Suite 1300  
 Orlando, FL 32801-3442

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**SIGNING & PAVEMENT  
MARKING PLAN**

SHEET  
NO.  
**S-15**

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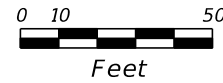


SIGN NO. 175  
 SEE GUIDE SIGN WORKSHEET  
 FOR DETAILS  
 700-2-14  
 STA 175+28

**Metro Pkwy  
 NEXT SIGNAL**

MATCH EXISTING PAVEMENT MARKINGS  
 STA. 175+43.21 @ SURVEY DANIELS PKWY

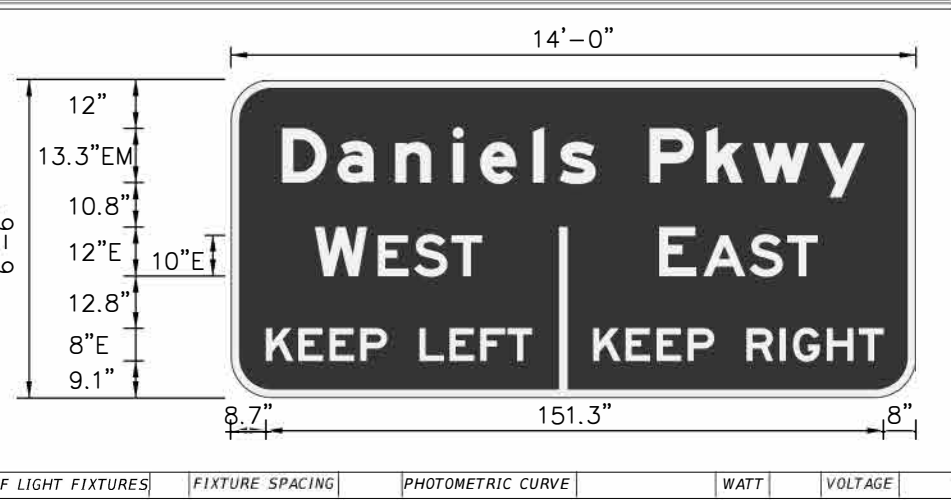
MATCH LINE STA. 171+00.00



REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & PAVEMENT MARKING PLAN	SHEET NO.  S-16
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>			SR 739	LEE	431334-2-52-01		
Arthur L. Shipley, P.E. P.E. License Number 49398 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442								

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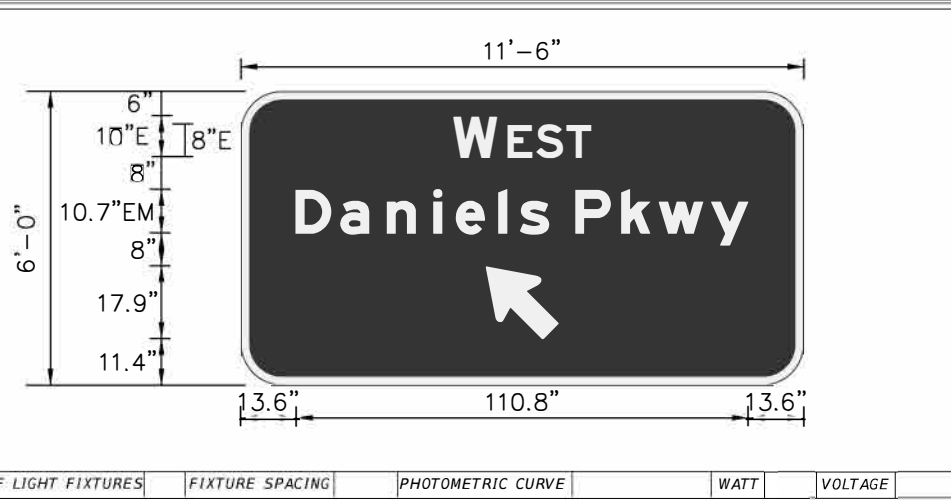
SIGN NAME	100	QTY	1	SIGN NUMBER		STATION(S)	
PANEL		BORDER					none
WIDTH	14'-0"	HEIGHT	6'-6"	WIDTH	2"	RADII	10"
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)		ANGLE		X	Y	WID	HT
SIGN NUMBER		CLEARANCE		COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	D a n i e l s P k w y L														
SPACE	12.6	13.6	14.1	14.1	6.8	12.9	6.5	8.8	13.3	14	11.4	16	11.3	12.6	142.7
COPY	W E S T L														
SPACE	20.7	12.7	2.7	8.9	9.2	7.5	106.4	41							
COPY	E A S T L														
SPACE	105	9	1.9	11.3	9.2	7.5	24.1	38.9							
COPY	K E E P L E F T L														
SPACE	8.7	7.9	7.6	7.6	6.5	8	7.4	7.6	6.6	6	94.1	65.2			
COPY	K E E P R I G H T L														
SPACE	88.9	7.9	7.6	7.6	6.5	8	8.1	3.3	8.3	7.8	6	8	71.1		
COPY															
SPACE															

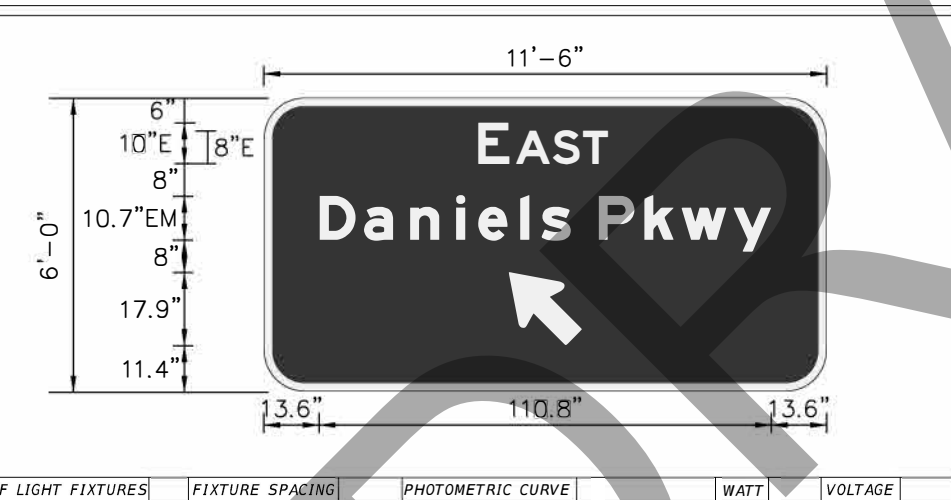
SIGN NAME	1244	QTY	1	SIGN NUMBER		STATION(S)	
PANEL		BORDER					none
WIDTH	11'-6"	HEIGHT	6'-0"	WIDTH	2"	RADII	10"
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)		ANGLE		X	Y	WID	HT
ARROW 45 LT	45			60.1	11.4	15	22.5
SIGN NUMBER		CLEARANCE		COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	W E S T L														
SPACE	52.1	10.6	2.7	7.1	7.4	6	52.1	33.8							
COPY	D a n i e l s P k w y L														
SPACE	13.6	10.9	11.3	11.3	5.5	10.4	5.2	7.1	6.7	11.2	9.2	12.8	9.1	13.6	110.8
COPY															
SPACE															
COPY															
SPACE															
COPY															
SPACE															
COPY															
SPACE															

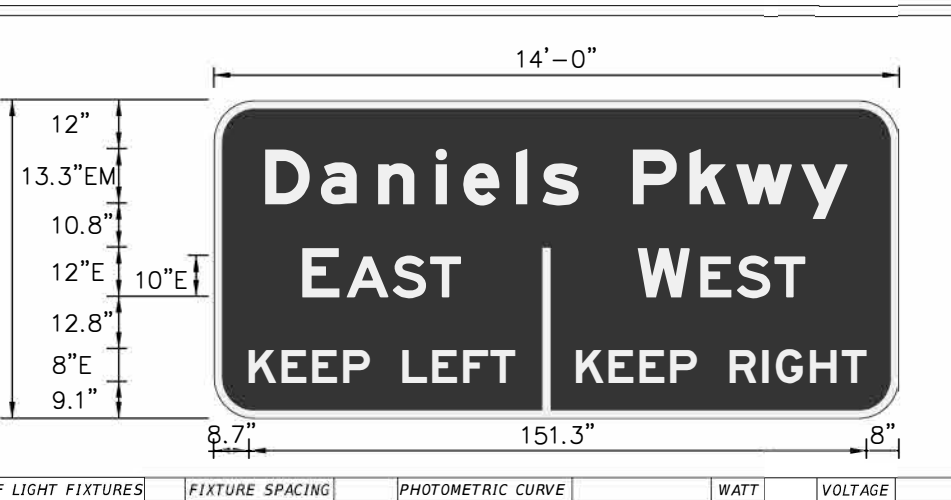
SIGN NAME	1259	QTY	1	SIGN NUMBER		STATION(S)	
PANEL		BORDER					none
WIDTH	11'-6"	HEIGHT	6'-0"	WIDTH	2"	RADII	10"
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)		ANGLE		X	Y	WID	HT
ARROW 45 LT	45			60.1	11.4	15	22.5
SIGN NUMBER		CLEARANCE		COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	E A S T L														
SPACE	52.6	7.5	1.9	9	7.4	6	53.6	31.8							
COPY	D a n i e l s P k w y L														
SPACE	13.6	10.9	11.3	11.3	5.5	10.4	5.2	7.1	6.7	11.2	9.2	12.8	9.1	13.6	110.8
COPY															
SPACE															
COPY															
SPACE															
COPY															
SPACE															
COPY															
SPACE															

SIGN NAME	1278	QTY	1	SIGN NUMBER		STATION(S)	
PANEL		BORDER					none
WIDTH	14'-0"	HEIGHT	6'-6"	WIDTH	2"	RADII	10"
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)		ANGLE		X	Y	WID	HT
SIGN NUMBER		CLEARANCE		COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	D a n i e l s P k w y L														
SPACE	12.6	13.6	14.1	14.1	6.8	12.9	6.5	8.8	13.3	14	11.4	16	11.3	12.6	142.7
COPY	E A S T L														
SPACE	21.7	9	1.9	11.3	9.2	7.5	107.4	38.9							
COPY	W E S T L														
SPACE	104	12.7	2.7	8.9	9.2	7.5	23.1	41							
COPY	K E E P L E F T L														
SPACE	8.7	7.9	7.6	7.6	6.5	8	7.4	7.6	6.6	6	94.1	65.2			
COPY	K E E P R I G H T L														
SPACE	88.9	7.9	7.6	7.6	6.5	8	8.1	3.3	8.3	7.8	6	8	71.1		
COPY															
SPACE															

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

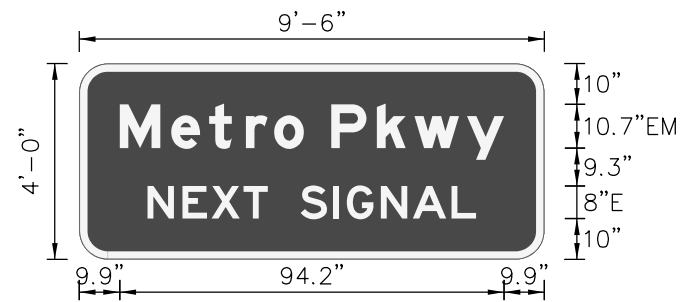
Arthur L. Shipley, P.E.  
P.E. License Number 49398  
Comprehensive Engineering Services, Inc.  
201 S Orange Ave, Suite 1300  
Orlando, FL 32801-3442

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

<b>GUIDE SIGN WORKSHEET</b>		SHEET NO. S-17
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SIGN NAME	I75, 200	QTY	2	SIGN NUMBER		STATION(S)	
PANEL		BORDER					
WIDTH	9'-6"	WIDTH	2"				
HEIGHT	4'-0"	RADII	7"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)		ANGLE		X	Y	WID	HT
SIGN NUMBER		NUMBER OF POSTS		CLEARANCE Edge Of Land		COLUMN SIZE	AVERAGE LENGTH



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY		M		e		t		r		o		P		k		w		y		L									
SPACE	9.9	12.6	9.3	9	7	7.3	6.7	11.2	9.2	12.8	9.1	9.9	94.2																

COPY		N		E		X		T		S		I		G		N		A		L		L							
SPACE	16.7	8.6	7.1	7.8	6	8	8.1	3.3	8.3	7.8	9.5	6	16.7	80.6															

COPY																													
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SIGN NAME		QTY		SIGN NUMBER		STATION(S)	
PANEL		BORDER					
WIDTH		WIDTH					
HEIGHT		RADII					
LEGEND		COLOR					
COLOR							
SYMBOL(S)		ANGLE		X	Y	WID	HT
SIGN NUMBER		NUMBER OF POSTS		CLEARANCE Edge Of Land		COLUMN SIZE	AVERAGE LENGTH

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY																													
SPACE																													
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SIGN NAME		QTY		SIGN NUMBER		STATION(S)	
PANEL		BORDER					
WIDTH		WIDTH					
HEIGHT		RADII					
LEGEND		COLOR					
COLOR							
SYMBOL(S)		ANGLE		X	Y	WID	HT
SIGN NUMBER		NUMBER OF POSTS		CLEARANCE Edge Of Land		COLUMN SIZE	AVERAGE LENGTH

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY																													
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SIGN NAME		QTY		SIGN NUMBER		STATION(S)	
PANEL		BORDER					
WIDTH		WIDTH					
HEIGHT		RADII					
LEGEND		COLOR					
COLOR							
SYMBOL(S)		ANGLE		X	Y	WID	HT
SIGN NUMBER		NUMBER OF POSTS		CLEARANCE Edge Of Land		COLUMN SIZE	AVERAGE LENGTH

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY																													
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Arthur L. Shipley, P.E.  
P.E. License Number 49398  
Comprehensive Engineering Services, Inc.  
201 S Orange Ave, Suite 1300  
Orlando, FL 32801-3442

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

<b>GUIDE SIGN WORKSHEET</b>		SHEET NO. S-18
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**CONTRACT PLANS COMPONENTS**

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS
- INTELLIGENT TRANSPORTATION SYSTEMS PLANS
- LIGHTING PLANS
- A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

**INDEX OF SIGNALIZATION PLANS**

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	TABULATION OF QUANTITIES
T-4	GENERAL NOTES
T-5 TO T-17	SIGNALIZATION PLAN
T-18	MAST ARM TABULATION
* T-19	STANDARD MAST ARM ASSEMBLIES
* T-20	SPECIAL MAST ARM ASSEMBLIES DATA TABLE
T-21	GUIDE SIGN WORKSHEET
T-22 TO T-23	SPECIAL DETAILS
* T-24	REPORT OF CORE BORINGS

\* INCLUDED WITH NEXT SUBMITTAL

**STATE OF FLORIDA**  
**DEPARTMENT OF TRANSPORTATION**

**CONTRACT PLANS**

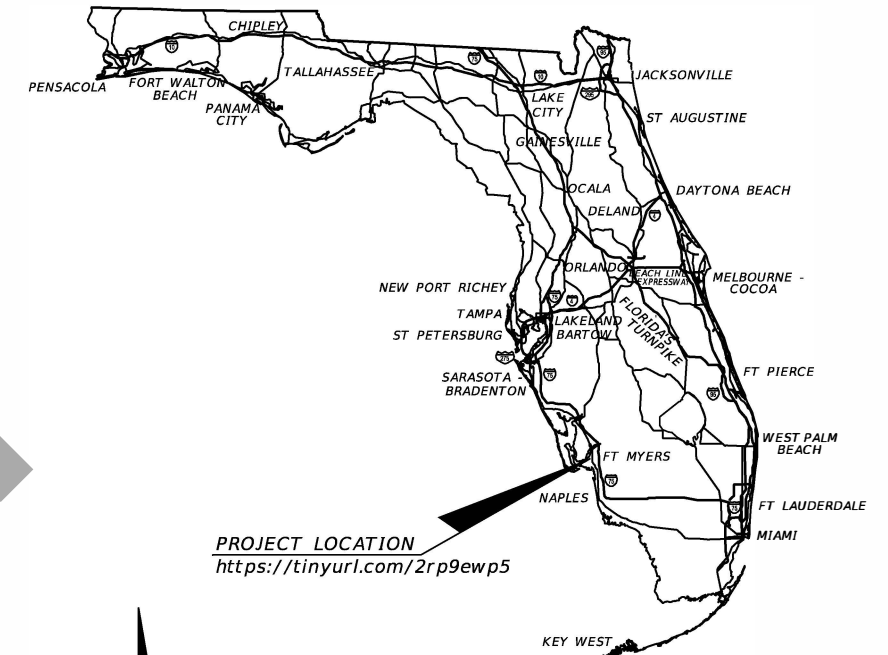
FINANCIAL PROJECT ID 431334-2-52-01

(FEDERAL FUNDS)

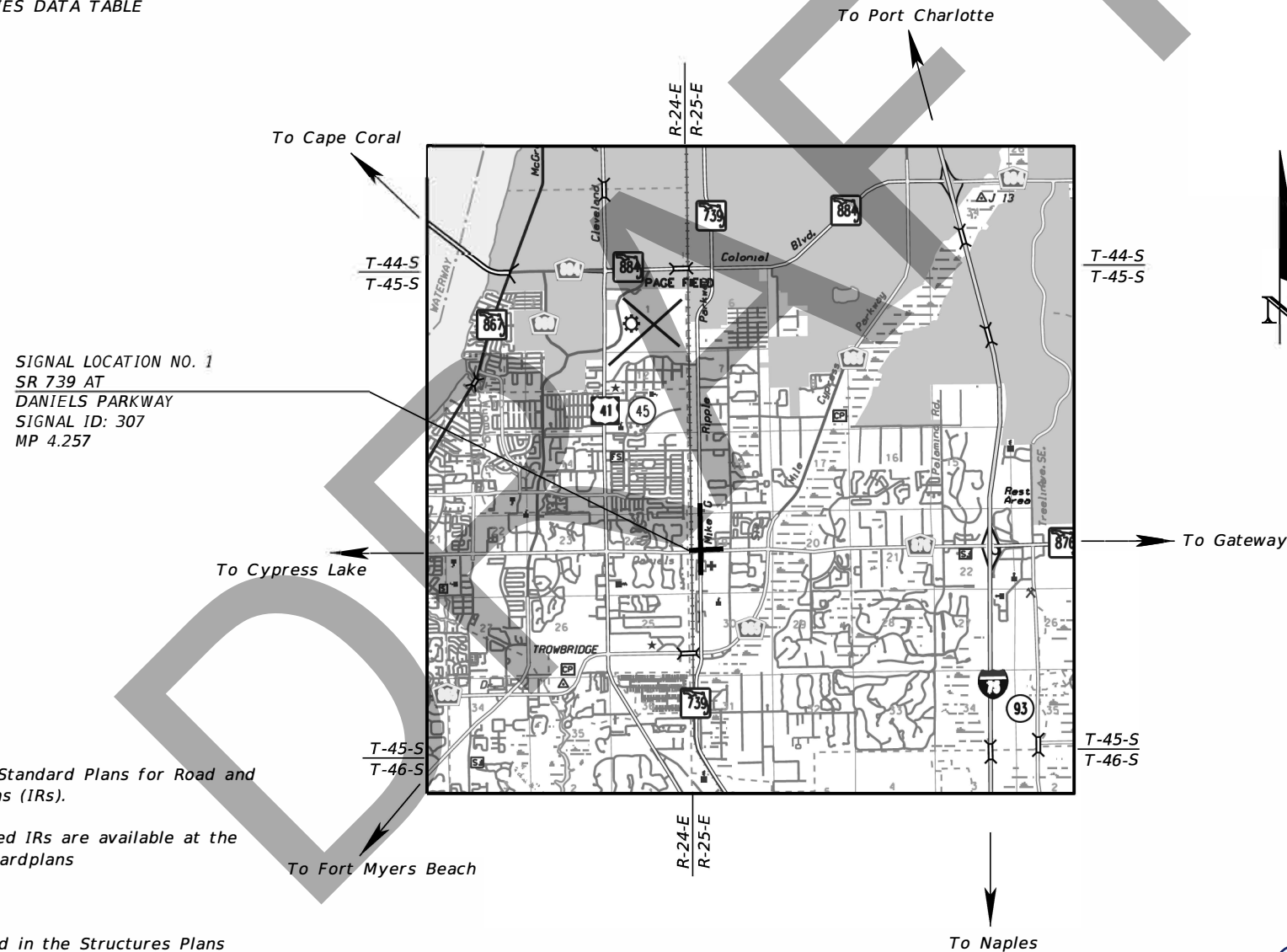
LEE COUNTY (1201100)

STATE ROAD NO. 739 (METRO PARKWAY)

**SIGNALIZATION PLANS**



PROJECT LOCATION  
<https://tinyurl.com/2rp9ewp5>



SIGNAL LOCATION NO. 1  
SR 739 AT  
DANIELS PARKWAY  
SIGNAL ID: 307  
MP 4.257

**GOVERNING STANDARD PLANS:**

Florida Department of Transportation, FY 2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

**APPLICABLE IRs:**

Standard Plans for Bridge Construction are included in the Structures Plans Component

**GOVERNING STANDARD SPECIFICATIONS:**

Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

**SIGNALIZATION PLANS**  
**ENGINEER OF RECORD:**

ARTHUR L SHIPLEY, P.E. NO.: 49398  
COMPREHENSIVE ENGINEERING SERVICES, INC.  
201 S. ORANGE AVENUE, SUITE 1300  
ORLANDO, FLORIDA 32801  
CONTRACT NO.: C9B28  
VENDOR NO.: F59347222201

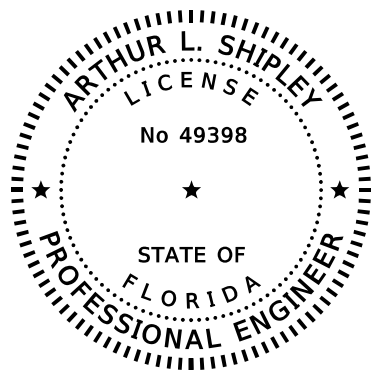
**FDOT PROJECT MANAGER:**

CHRIS SPEESE

DRAFT

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	TBD	T-1

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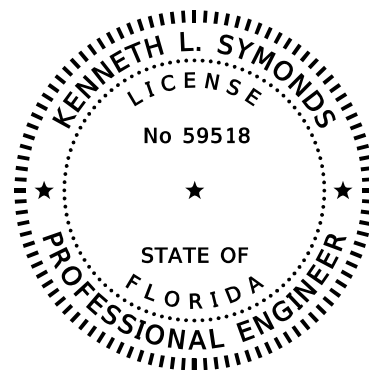
ON THE DATE ADJACENT TO THE SEAL

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Arthur L. Shipley, P.E.  
P.E. License Number 49398  
Comprehensive Engineering Services, Inc.  
201 S Orange Ave, Suite 1300  
Orlando, FL 32801-3442

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FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	TABULATION OF QUANTITIES
T-4	GENERAL NOTES
T-5 TO T-12	SIGNALIZATION PLAN
T-13	MAST ARM TABULATION
T-16	GUIDE SIGN WORKSHEET
T-17 TO T-18	SPECIAL DETAILS



THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

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Kenneth L. Symonds Jr., P.E.  
P.E. License Number 59518  
Tierra, Inc.  
591 Susan B. Britt Court  
Winter Garden, FL 34787

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR  
THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
T-19	REPORT OF CORE BORINGS

DRAFT

REVISIONS				Arthur L. Shipley, P.E. P.E. License Number 49398 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  T-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
	<b>PRELIMINARY</b>				SR 739	LEE	431334-2-52-01	
	<small>*DATE*</small>		<small>*TIME*</small>					

# TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET		GRAND TOTAL		
			T-5		T-6		T-7		T-8		T-9												
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL			
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF																					
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF																					
632-7-1	SIGNAL CABLE-NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI																					
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	PI																					
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA																					
639-1-122	ELEC POWER SERV, F&I, UG, METER PURCH. BY CONTRACTOR	AS																					
639-1-620	ELECTRICAL POWER SERVICE, REMOVE UNDERGROUND	AS																					
639-2-1	ELECTRICAL SERVICE WIRE	LF																					
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA																					
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	EA																					
641-2-60	PRESTRESSED CONCRETE POLE, POLE REMOVAL, PEDESTAL/SERVICE POLE	EA																					
641-2-80	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- POLE 30' AND GREATER	EA																					
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA																					
646-1-12	ALUMINUM SIGNALS POLE, F&I, PEDESTRIAN DETECTOR POST	EA																					
649-21-1	STEEL MAST ARM ASSEMBY, FURNISH AND INSTALL, SINGLE ARM 30'	EA																					
649-21-3	STEEL MAST ARM ASSEMBY, FURNISH AND INSTALL, SINGLE ARM 40'	EA																					
649-21-10	STEEL MAST ARM ASSEMBY, FURNISH AND INSTALL, SINGLE ARM 60'	EA																					
649-21-15	STEEL MAST ARM ASSEMBY, FURNISH AND ISNTALL, SINGLE ARM 70'	EA																					
649-21-21	STEEL MAST ARM ASSEMBY, FURNISH AND INSTALL, SINGLE ARM 78'	EA																					
649-21-25	STEEL MAST ARM ASSEMBY, FURNISH AND INSTALL, DOUBLE ARM 78'-60'	EA																					
649-21-27	STEEL MAST ARM ASSEMBY, FURNISH AND INSTALL DBL ARM 78'-78'	EA																					
650-1-14	TRAFFIC SIGNAL, F&I ALUMINUM, 3 SECTION, 1 WAY	AS																					
653-1-11	PEDESTRIAN SIGNAL, F&I, LED COUNTDOWN, 1 WAY	AS																					
653-1-12	PEDESTRIAN SIGNAL, F&I, LED COUNTDOWN, 2 WAY	AS																					
660-1-111	LOOP DETECTOR INDUCTIVE, F&I, TYPE 11, 4 CH, SS, RM	EA																					
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	AS																					
660-4-11	VEHICLE DETECTION SYSTEM-VIDEO, F&I CABINET EQUIPMENT	EA																					
660-4-12	VEHICLE DETECTION SYSTEM-VIDEO, F&I ABOVE GROUND EQUIPMENT	EA																					
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	EA																					
670-5-112	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 2 PREEMPTION	AS																					
670-5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS																					
685-1-11	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE	EA																					
700-3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA																					
700-5-22	INTERNALLY ILLUMINATED SIGN, F&I, OVERHEAD MOUNT, 12-18 SF	EA																					
700-141-360	ENHANCED HWY SIGN ASSEMBLY, AC PWR, F&I OVHD MNT, BLANK OUT <12 SF	AS																					

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REVISIONS				Arthur L. Shipley, P.E. P.E. License Number 49398 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TABULATION OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-3
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>				SR 739	LEE	431334-2-52-01		

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GENERAL NOTES

1. FOR REMOVED SIGNAL EQUIPMENT CLAIMED BY MAINTAINING AGENCY CONTACT MIKE PADGETT (239) 533-9500.
2. MAINTAINING AGENCY: LEE COUNTY
3. PAVEMENT MARKINGS ARE SHOWN FOR REFERENCE PURPOSES ONLY. FOR PAVEMENT MARKING DESIGN INFORMATION SEE PAVEMENT MARKING PLANS.
4. CONTACT THE MAINTAINING AGENCY LEE COUNTY DOT TRAFFIC OPERATIONS, AT TELEPHONE NUMBER (239) 533-9500, FOR THE ASSIGNMENT OF THE PHYSICAL ADDRESS ONCE THE SERVICE DROP LOCATION HAS BEEN ESTABLISHED.
5. AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTACT THE TRAFFIC SIGNAL INSPECTOR/LIAISON:

DAVID AYERS  
 FLORIDA DEPARTMENT OF TRANSPORTATION  
 FORT MYERS OPERATIONS CENTER  
 2981 N. E. PINE ISLAND ROAD  
 CAPE CORAL, FL. 33909  
 PH: 239-985-7858

6. WHEN CONSTRUCTION IS COMPLETE, PROVIDE A SET OF "AS-BUILT" PLANS IN ELECTRONIC FORM (PDF) TO:  
 FDOT TRAFFIC OPERATIONS  
 LUIS RUIZ, P.E., TSM&O ENGINEER - ARTERIALS  
 801 N. BROADWAY AVE  
 P.O. NOX 1249  
 BARTOW, FL 33830-1249  
 EMAIL: LUIS.RUIZ@DOT.STATE.FL.US  
 PHONE: 863-519-2216
7. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv Vh AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATION/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN POINTS HAVE NOT BEEN VERIFIED.

8. FLORIDA POWER AND LIGHT SHALL ASSIST CONTRACTOR IN PERFORMING ALL NECESSARY WORK UNDER THEIR POWER LINES, SUCH AS THE INSTALLATION OF SPAN WIRE, SIGNAL CABLE, FIBERGLASS INSULATORS AND SIGNAL POLES. CONTRACTOR TO NOTIFY THE POWER COMPANY AT LEAST THREE (3) FULL BUSINESS DAYS PRIOR TO INSTALLATION OF THIS EQUIPMENT.
9. WHERE MAST ARM, STRAIN POLES, OR ANY OTHER SIGNAL EQUIPMENT REQUIRING FOUNDATIONS ARE PROPOSED WITHIN 4 FEET OF ANY UNDERGROUND UTILITY, THE UTILITY SHALL BE LOCATED, EXPOSED, AND PROTECTED. THE INITIAL 5 FEET OF THE SHAFT INSTALLATION SHALL BE EXPOSED USING NON MECHANIZED EQUIPMENT.

UTILITY OWNERS:	CONTACTS	TELEPHONE NUMBERS
NANCY SPENCE	AT&T OF FLORIDA	770-918-5424
NICOLE MONAHAN	CITY OF FORT MYERS	239-321-7459
LEONARDO MAXWELL-NEUBOLD	COMCAST	984-447-8405
DANNY HASKETT	CROWN CASTLE FIBER	786-610-7073
VOEY BRAY	FP&L -LEE	386-586-6403
MIKE REBER	SUMMIT BROADBAND INC.	239-325-4105 Ext: 261
NETWORK RELATIONS	LEVEL 3 COMMUNICATIONS LLC	877-366-8344 Ext: 2
RYAN KIRSCH	LEE COUNTY SIGNAL DEPART.	239-533-9500
JOE SULAK	LEE COUNTY IRRIGATION	239-533-9400
TERRY KELLEY	LEE COUNTY UTILITIES	239-479-8181
JOAN DOWNING	TECO PEOPLES GAS- FT MYERS	813-275-3783
CRAIG CLARK	CENTURYLINK	239-336-2003
ANTHONY PIGNATARO	LEE MEMORIAL HEALTH SYSTEM	239-343-1004
WALTER DAVILA	HOTWIRE COMMUNICATIONS	954-699-0900
ADAM BOISSIERE	LEE COUNTY ITG	239-533-2111

PAY ITEM NOTES

- 632-7-1
1. SPLICE SIGNAL CABLE TO A SEPARATE CABLE (FOR EACH SIGNAL HEAD) IN THE BASE OF MAST ARM STRUCTURES. EACH SEPARATE CABLE SHALL HAVE A MINIMUM OF 0.5' DIAMETER LOOP FOR FUTURE SPLICING. A PERMANENT MARKING IS TO BE PLACED ON THE WIRE DESIGNATING THE PHASE USED. SPARE CONDUCTORS TO BE GROUNDED TO GROUND BAR IN SIGNAL CABINET.
  2. VERIFY THE COLOR CODE OF SIGNAL CABLE WITH THE MAINTAINING AGENCY PRIOR TO WIRING INTERSECTION.

- 635-2-14
1. PULL BOXES ARE TO BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, PULL BOXES SHALL BE PLACED A MINIMUM OF 7' FROM EDGE OF PAVEMENT.
  2. USE POLYMER CONCRETE CONSTRUCTION PULL BOXES (STANDARD) TO BE A MINIMUM OF 17"x30" AND A DEPTH OF 12". PULL BOX COVER LOGOS SPECIFY FUNCTION.

- 639-1-122
1. USE ALUMINUM RIGID ABOVEGROUND CONDUIT FOR ELECTRICAL POWER SERVICE.
  2. USE GALVANIZED (STEEL) RIGID ABOVEGROUND CONDUIT FOR ELECTRICAL POWER SERVICE.
  3. USE A LEVER-TYPE BYPASS METER SOCKET.
  4. THE ELECTRICAL SERVICE DISCONNECT IS 100 AMP, COMPRISING OF A SIX (6) CIRCUIT DISCONNECT BOX WITH TWO CIRCUIT BREAKERS - ONE 50 AMP/120 VOLT FOR FUTURE USE.

- 639-2-1
1. USE A BONDING WIRE FROM ELECTRICAL SERVICE POINT TO CONTROLLER.

- 646-1-11
1. USE LOCKING COLLARS WHEN MOUNTING ALUMINUM PEDESTRIAN POLES TO PEDESTRIAN PEDESTAL BASES.
  2. USE BREAKAWAY ALUMINUM SQUARE BASE ASSEMBLIES WITH ALUMINUM DOORS FOR PEDESTRIAN PEDESTALS. SPLICE SIGNAL CABLE IN BASE OF PEDESTAL (NOT IN PEDESTRIAN HEADS).

- 649-21-1 / 649-21-3 | 649-21-6 | 649-21-10 / 649-21-15 / 649-21-21 / 649-21-26 / 649-21-27
1. USE TWO 2" AND ONE 1" CONDUITS STUBBED OUT THROUGH THE MAST ARM POLE FOUNDATION AND TEMPORARILY SEAL.
  2. ALL MAST ARM ASSEMBLIES SHALL HAVE A TERMINAL COMPARTMENT.

- 650-1-14
1. USE RED, YELLOW, GREEN, AND WHITE THHN #14 COPPER WIRES FROM DISCONNECT TO SIGNAL HEAD. PLACE A PERMANENT MARKING ON THE WIRE DESIGNATING THE PHASE USED.
  2. USE LOUVERED ALUMINUM SIGNAL HEAD BACK PLATES
  3. BACK PLATES TO BE ONE-PIECE ALUMINUM.

- 653-1-11 | 653-1-12
1. MOUNT PEDESTRIAN SIGNAL HEADS 9'-6" ABOVE GRADE.
  2. PEDESTRIAN SIGNAL HEADS TO BE 16" INTERNATIONAL SYMBOL, LED COUNTDOWN TYPE.

660-2-102 AND 660-2-106

1. SPLICE LOOP WIRE TO LEAD-IN WIRE USING B-CAP (SILICONE FILLED) TWIST WIRE NUTS.
2. PERMANENTLY MARK EACH LOOP PER PHASE AND PER VEHICLE MOVEMENT AT EACH SPLICE POINT AND AT THE CABINET TERMINATION POINT.
3. FOR INCREASED SENSITIVITY, INDUCTANCE LOOPS TO HAVE A MINIMUM OF THREE TURNS OF WIRE.
4. INSTALL THE TWISTED PAIR AND LOOP LEAD-IN AS SHOWN IN DETAIL FOR INSTALLATION WITHOUT CURB AND GUTTER OF INDEX 660-001 OF THE STANDARD PLANS. INSTALL A TWO-INCH (2") CONDUIT TWO-INCHES (2") UNDER THE PAVEMENT AT AN ANGLE OF 30-40 DEGREES.
5. THE HOLD-DOWN MATERIAL (NON-METALLIC) SHALL BE A MINIMUM OF ONE-INCH (1") AND A MAXIMUM OF TWO INCHES (2") IN LENGTH.

660-4-11 | 660-4-12

1. USE A 72" LONG GUSSET TUBE FOR VIDEO DETECTION CAMERA ATTACHMENT BRACKET. VIDEO DETECTION TO BE COMPATIBLE WITH MAINTAINING AGENCY'S EXISTING VIDEO DETECTION SYSTEM.
2. SEE PLAN SHEET FOR THE NUMBER OF VIDEO CAMERAS INCLUDED IN THE VIDEO DETECTION ASSEMBLY.

665-1-11

1. USE PEDESTRIAN BUTTON SIGNAL SIGN FTP-688-06. STREET NAME SHALL BE IN ACCORDANCE WITH THE STREET NAMES SHOWN ON THE SIGNALIZATION PLAN SHEETS.

670-5-111

1. USE POLYMER CONCRETE CONSTRUCTION CONTROLLER BASE, AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. BASE SHALL HAVE A TWELVE-INCH (12") BED OF PEA ROCK OR CRUSHED STONE FOR DRAINAGE. STUB UP CONDUITS SHALL BE SIX INCHES (6") TO TWELVE INCHES (12") BELOW THE ACCESS HOLE IN THE CABINET PAD. A SERVICE SLAB SHALL BE THE WIDTH OF CABINET AND SHALL EXTEND OUT THIRTY INCHES (30").
2. USE CONCRETE FOR CONTROLLER STEPS AS REQUIRED.
3. BASE OF CONTROLLER TO BE SAME ELEVATION AS CENTER OF ROADWAY OR GREATER.
4. USE AN ECONOLITE TS2 TYPE 1 CONTROLLER WITH A TYPE V CABINET. ALL CONTROLLER EQUIPMENT TO BE COMPATIBLE WITH LEE COUNTY'S EXISTING CLOSED LOOP COMPUTER SYSTEM. CONTACT MAINTAINING AGENCY PRIOR TO ORDERING CONTROLLER ASSEMBLY TO CONFIRM EQUIPMENT COMPATIBILITY.
5. USE A MINIMUM OF FOUR (4) PREEMPTION PLANS FOR CONTROLLER.

685-1-11

1. INCLUDE AN UNINTERRUPTED POWER SUPPLY UNIT (UPS). ATTACH UPS UNIT TO THE OUTSIDE OF THE CONTROLLER CABINET. INSTALL UPS UNIT IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. UPS EQUIPMENT TO BE COMPATIBLE WITH MAINTAINING AGENCY EXISTING SYSTEM.

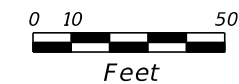
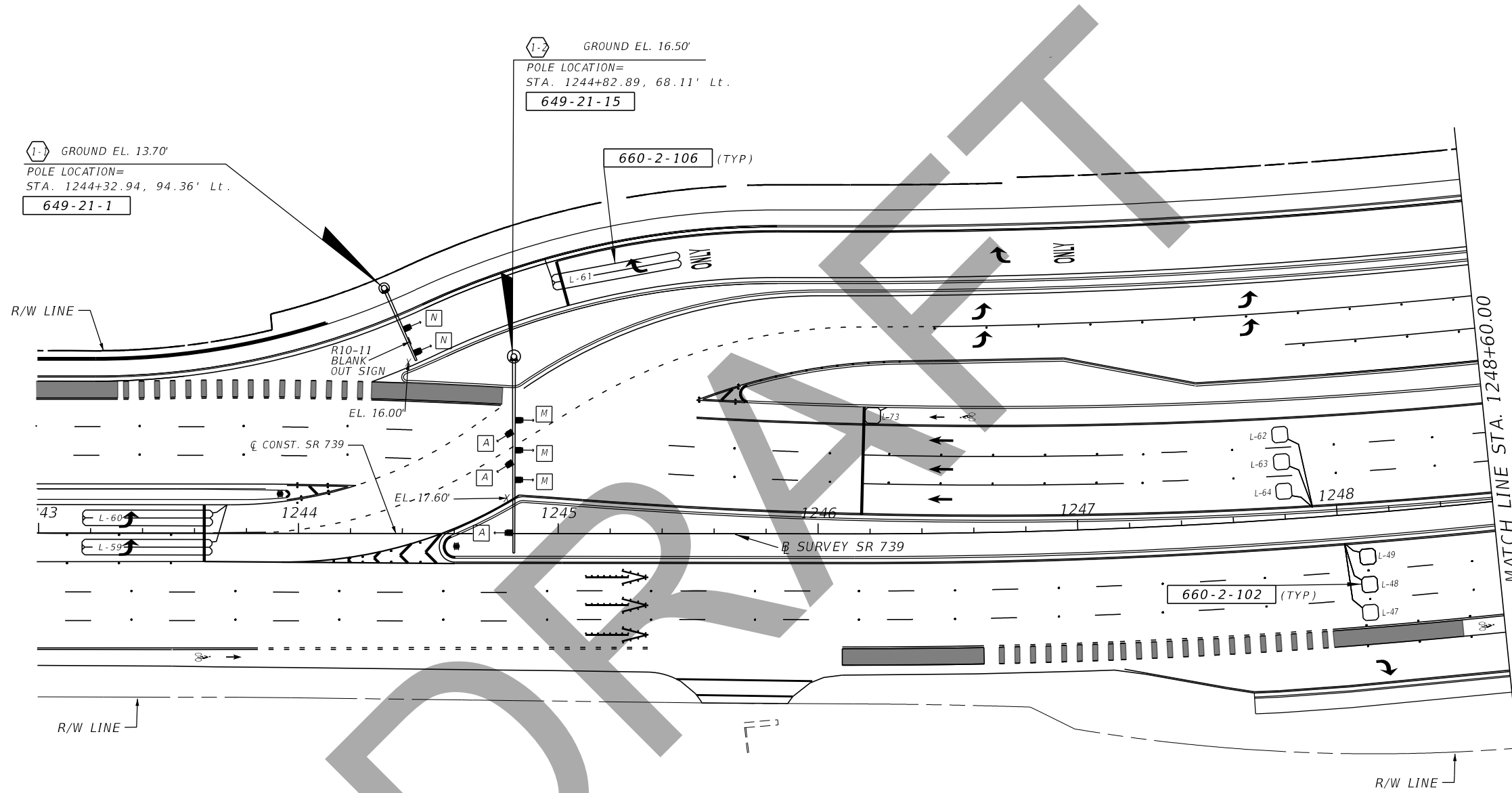
700-5-22

1. ALL INTERNALLY ILLUMINATED STREET NAME SIGNS TO BE MOUNTED RIGIDLY ON MAST ARM
2. USE LED INTERNALLY ILLUMINATED STREET NAME SIGNS.

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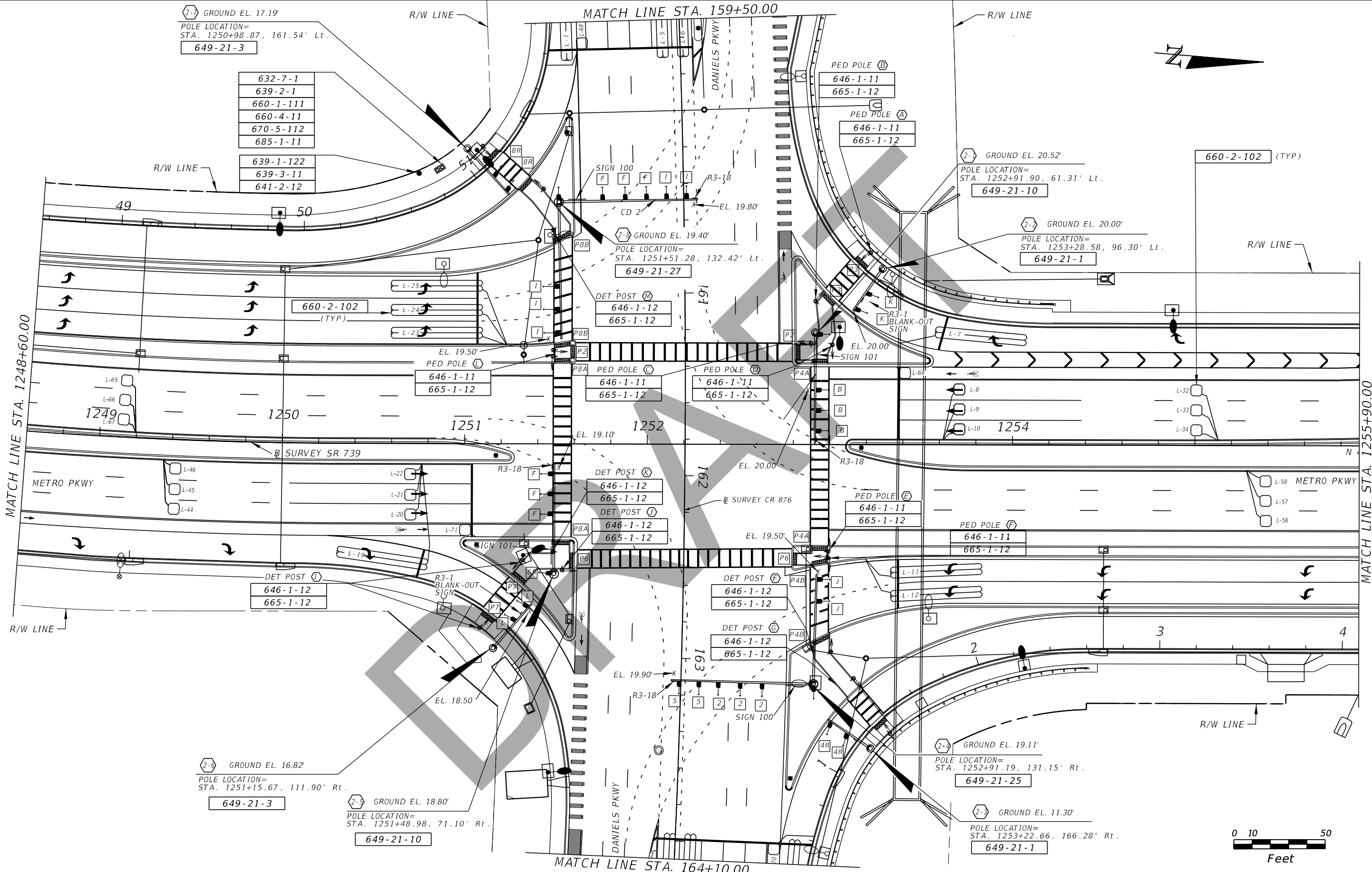
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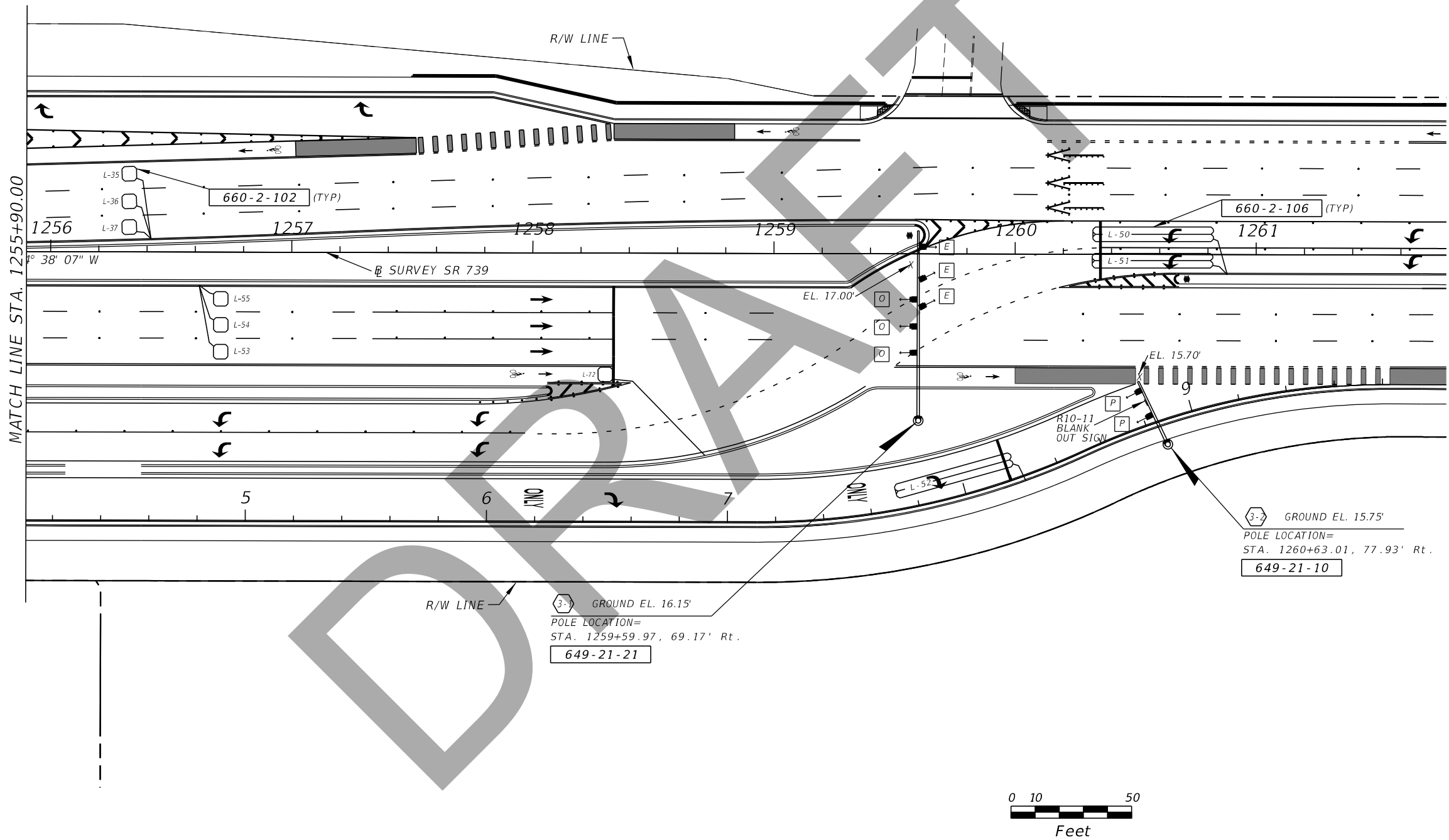
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**SIGNALIZATION PLAN**

SHEET NO.  
T-6

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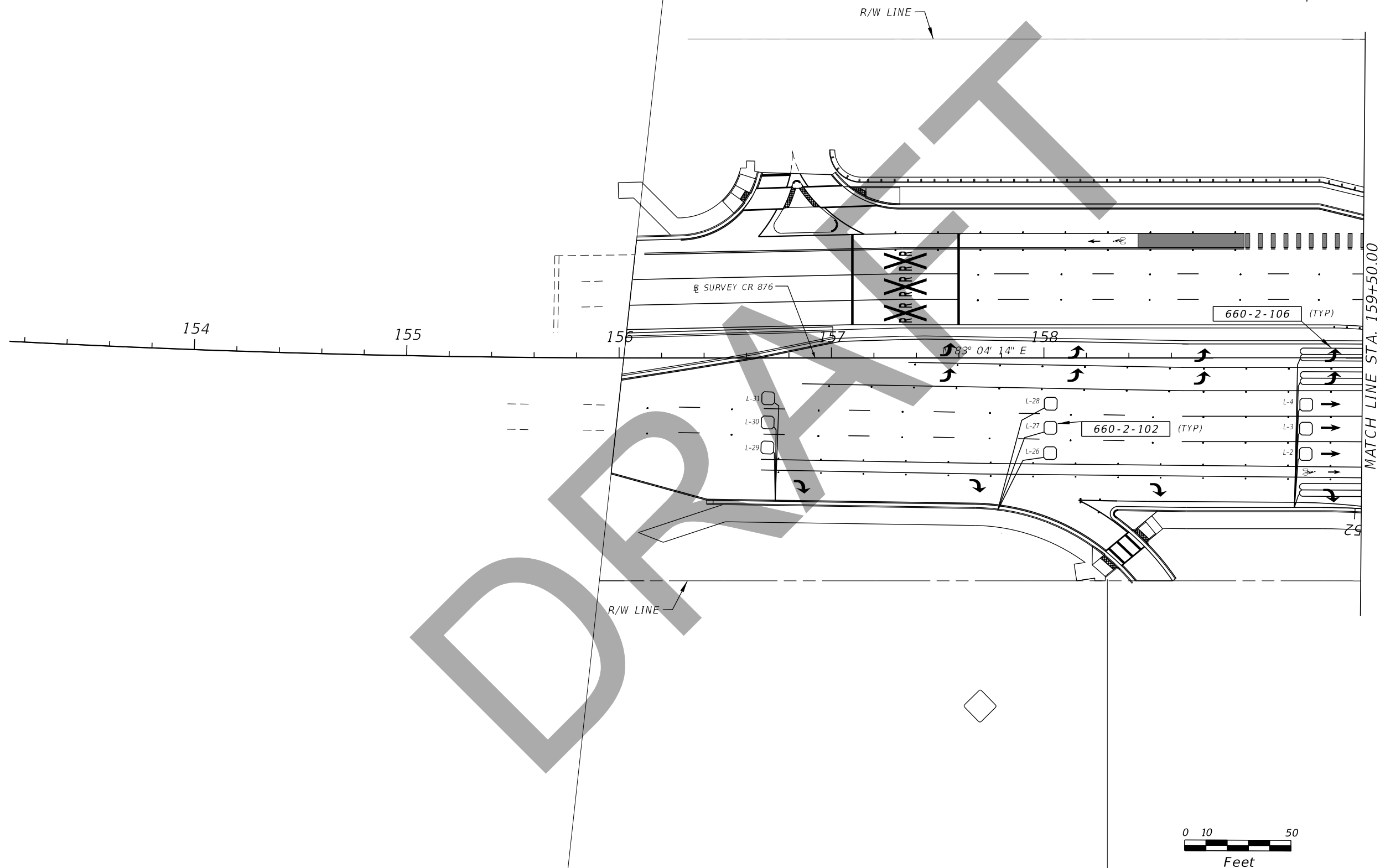
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**SIGNALIZATION PLAN**

SHEET NO.  
T-7

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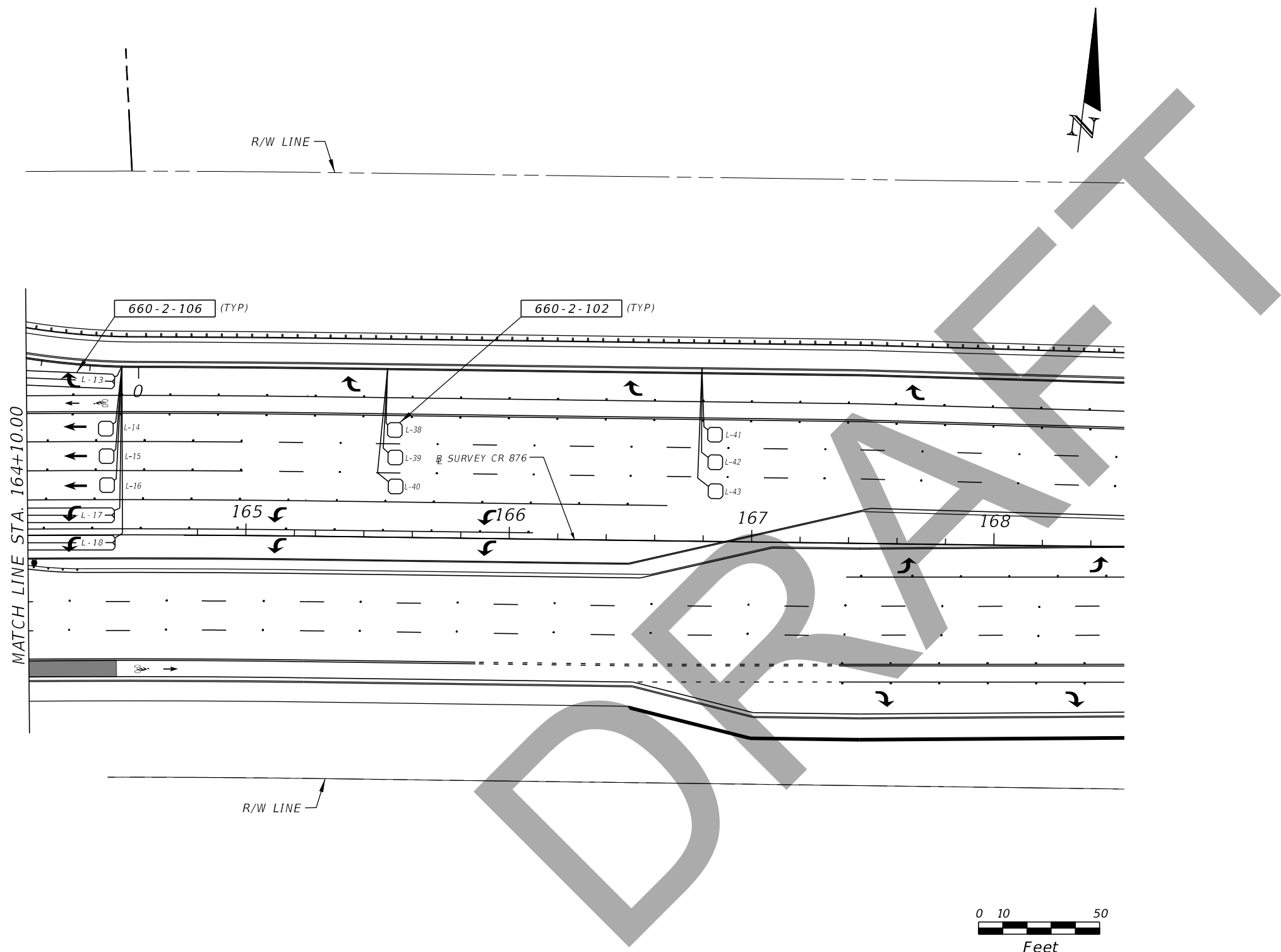
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SIGNALIZATION PLAN

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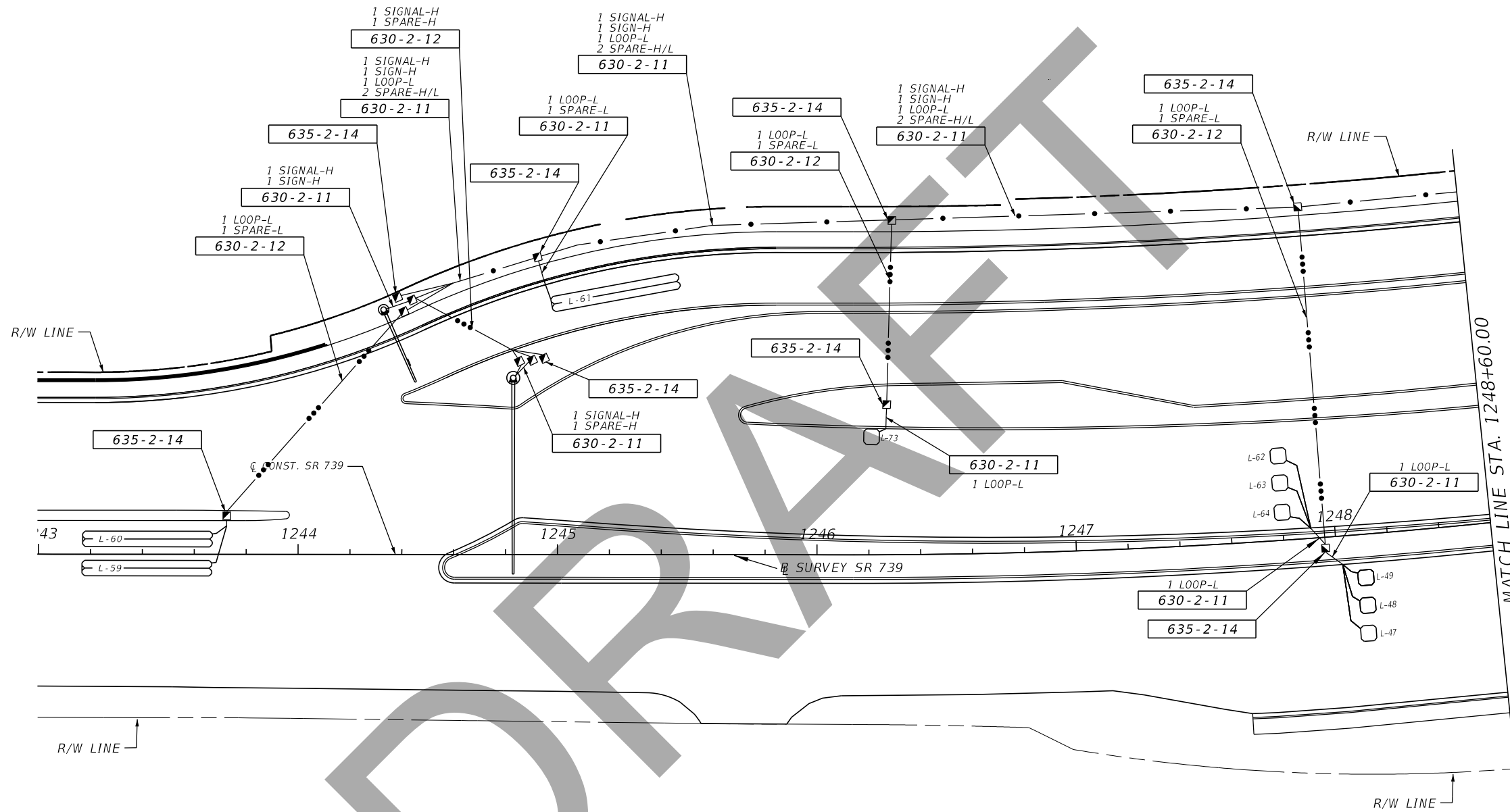
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**SIGNALIZATION PLAN**

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T-9

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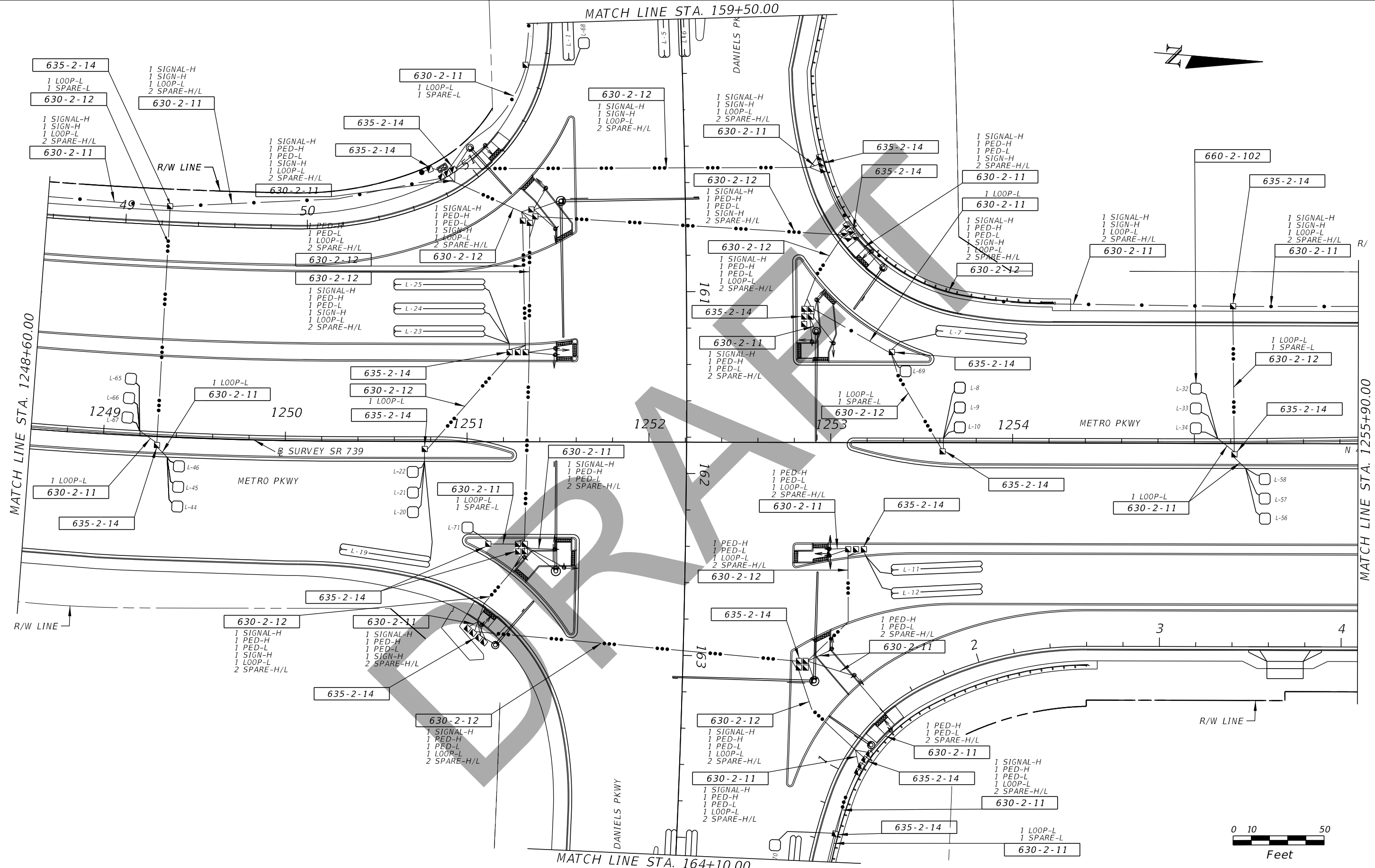
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**SIGNALIZATION PLAN**

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**T-10**

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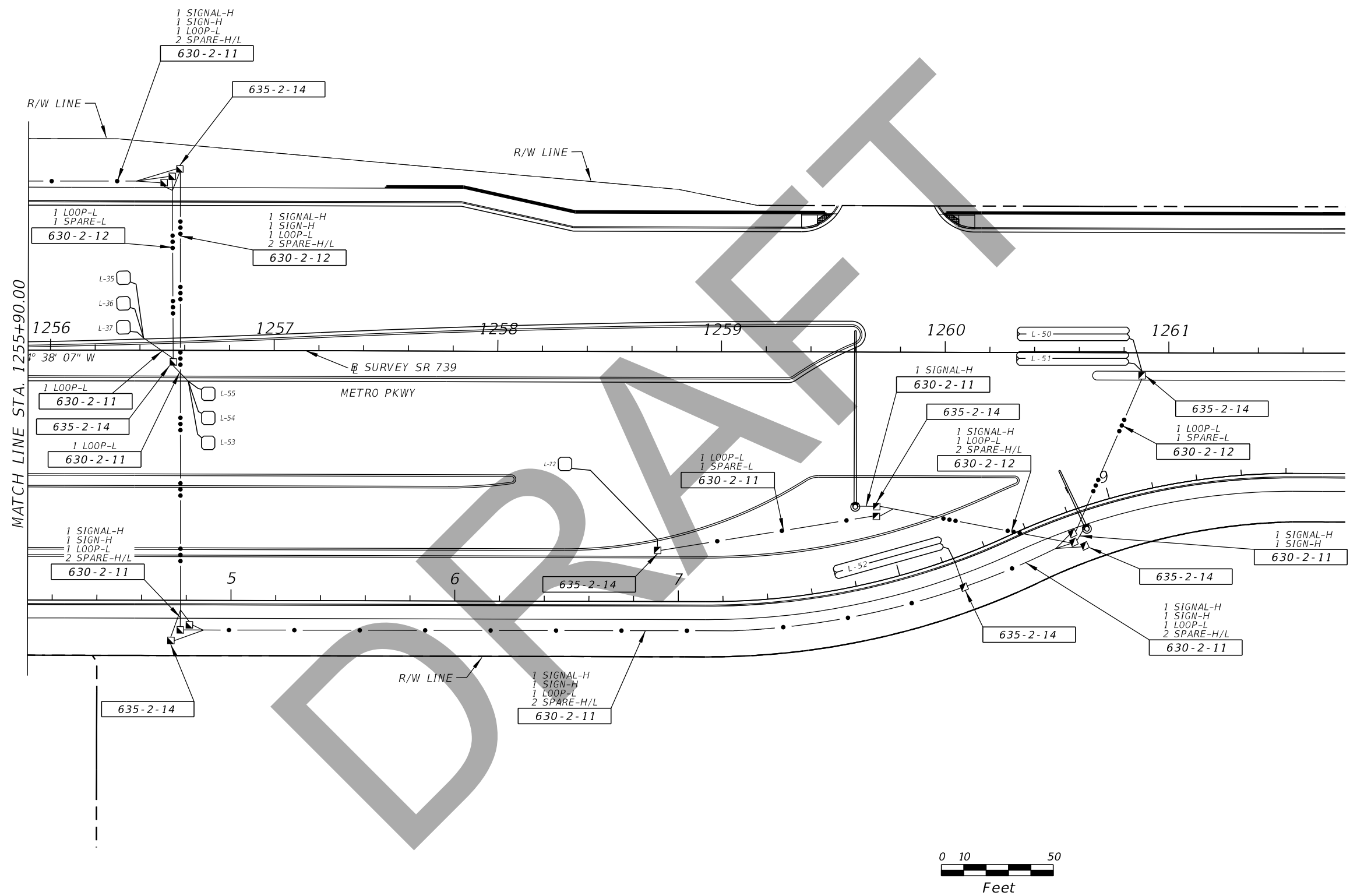
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SIGNALIZATION PLAN	
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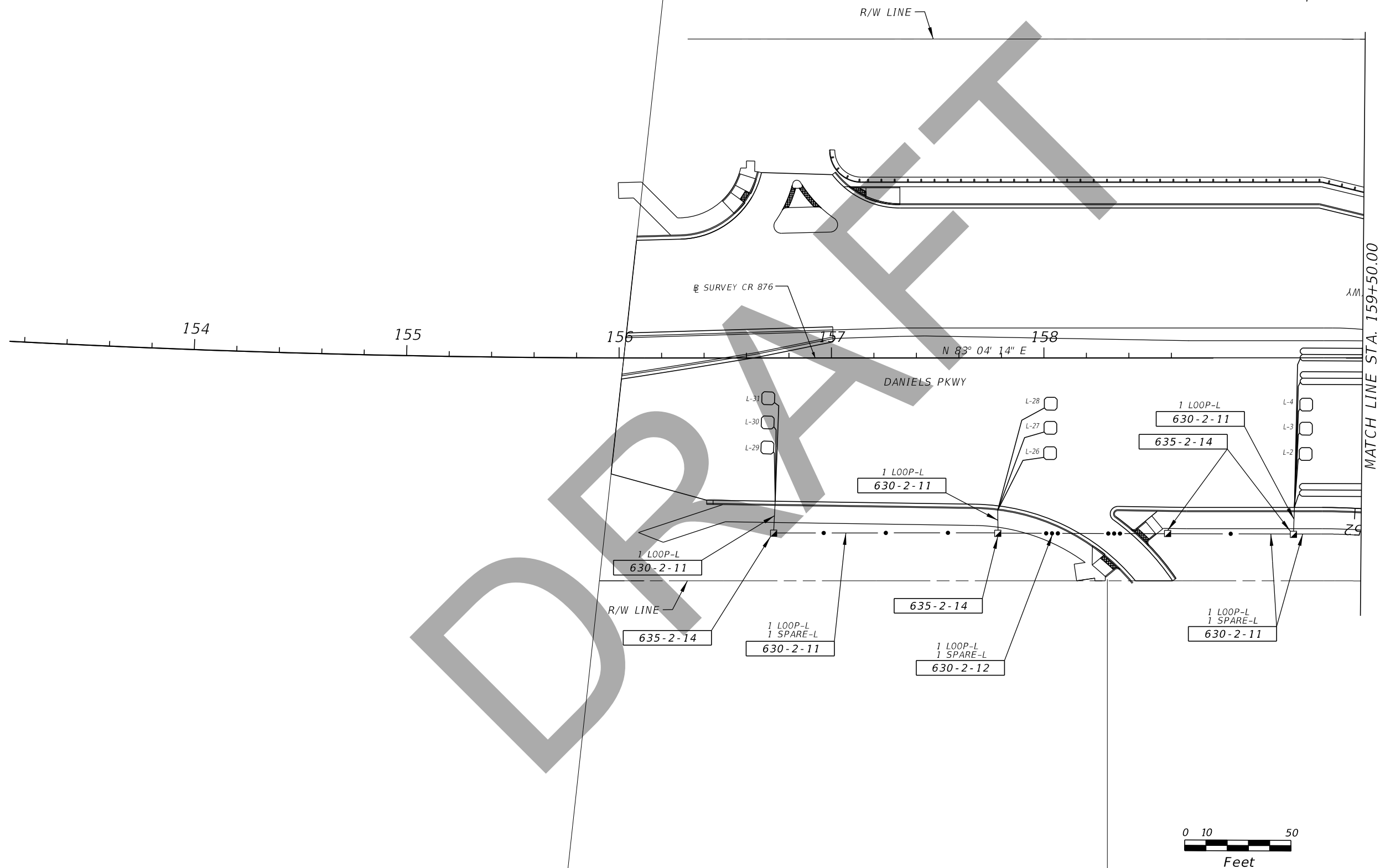
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**SIGNALIZATION PLAN**

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T-12

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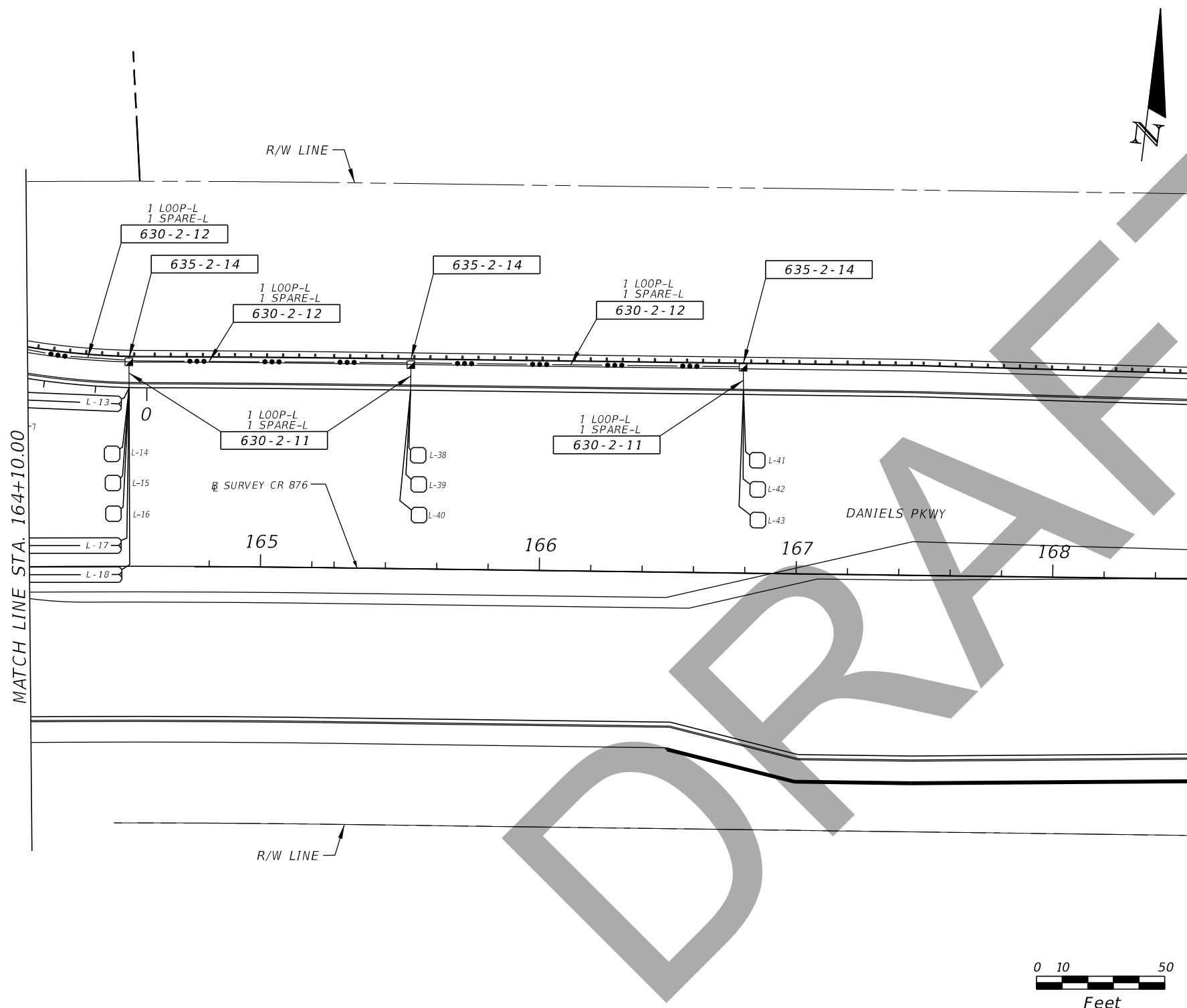
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SIGNALIZATION PLAN

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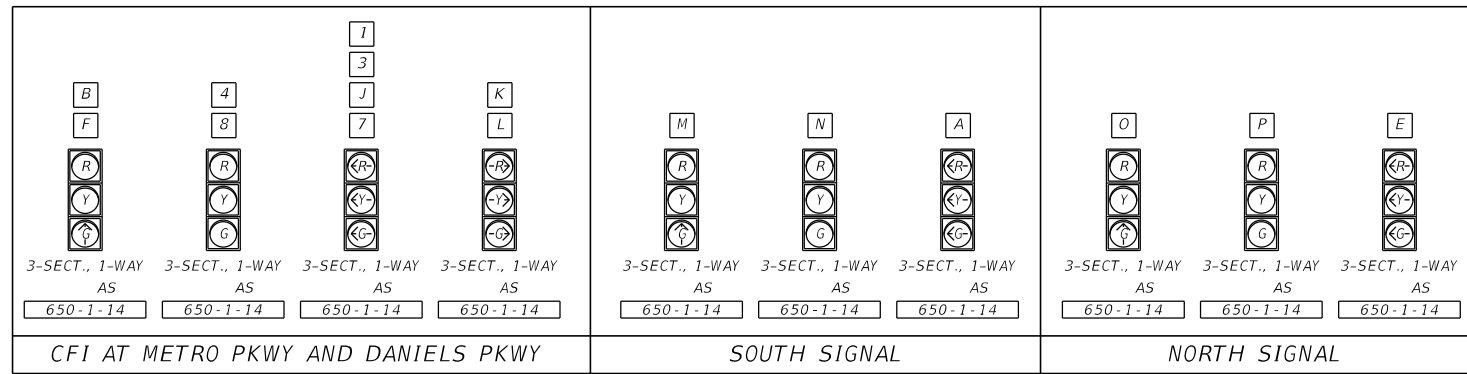
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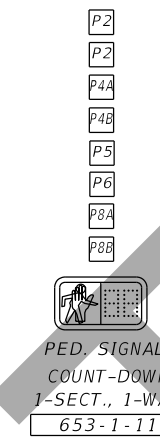
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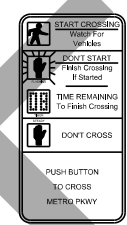
DETAIL OF SIGNAL HEADS



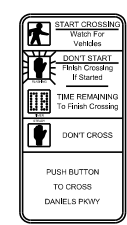
DETAIL OF PEDESTRIAN SIGNAL HEADS



PEDESTRIAN DETECTOR SIGNS

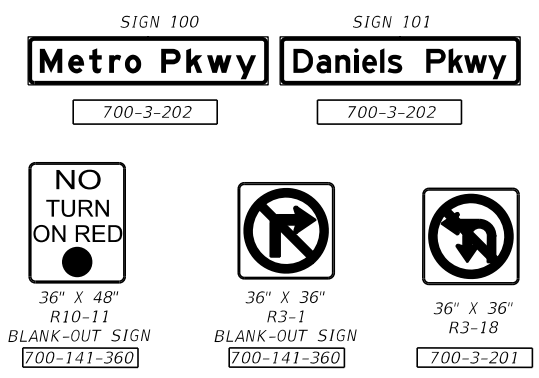


FTP-68B-06  
9" X 18"



FTP-68B-06  
9" X 18"

OVERHEAD STREET NAME SIGNS  
SEE GUIDE SIGN WORK SHEET FOR DETAILS



NOTE:  
1. R10-11 BLANK-OUT SIGN SHALL BE DISPLAYED WHEN SIGNAL HEADS ON SAME ARM ARE RED.  
2. R3-1 BLANK OUT SIGN SHALL BE DISPLAYED WHEN SIGNAL HEADS ON SAME ARM ARE RED.

EXIST. SIGNAL EQUIPMENT TO BE REMOVED

632-7-6
639-1-620
641-2-60
641-2-80
670-5-600

CONTROLLER & OPERATION NOTES:

1. THE MAJOR STREET IS SR 739 (METRO PKWY), MOVEMENTS 1, 2, 5 AND 6 AND THE MINOR STREET IS CR 876 (DANIELS PKWY), MOVEMENTS 3, 4, 7 AND 8.
2. REQUEST UPDATE SIGNAL TIMINGS FROM FDOT WHEN ALL LANES, STRIPING, SIGNALS AND PEDESTRIAN FACILITIES ARE IN THEIR FINAL CONFIGURATION AND THE SIGNAL IS OPERATING AS DESIGNED. PROVIDE FDOT WITH ALL "AS-BUILT" INFORMATION NECESSARY TO DEVELOP THE BASIC SIGNAL TIMING PARAMETERS, AND ALLOW THREE (3) WEEKS FOLLOWING THE REQUEST FOR FDOT TO DEVELOP THE UPDATED TIMINGS. PROGRAM THE CONTROLLER PER THE TIMINGS PROVIDED BY FDOT.
3. ENTRY INTO EMERGENCY VEHICLE PREEMPTION SHALL NOT FORCE OFF MINIMUM GREEN OR PEDESTRIAN CLEARANCE.
4. STREET NAMES FOR NEW PEDESTRIAN BUTTON SIGNAL SIGNS SHALL BE "METRO PKWY" (P4A, P4B, P6, P8A, P8B), "DANIELS PKWY" (P2, P6) AND "RAMP" (P1, P3, P5, P7).
5. PLACE INDUCTIVE LOOPS A/B/C AND D/E/F AT 166' AND 298' FROM STOP BAR TO BACK OF LOOP, RESPECTIVELY.

NOTES:

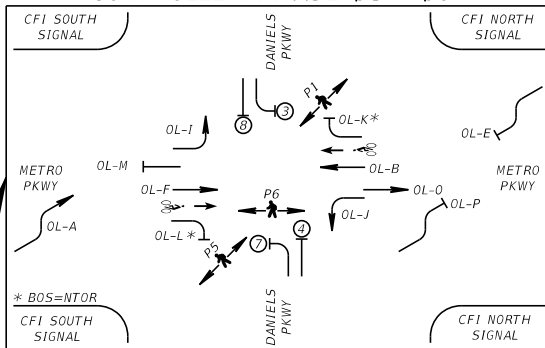
1. THE ELEVATION SHOWN AT THE PROPOSED MAST ARM LOCATIONS ARE THE PROPOSED GRADE.
2. RUN PEDESTRIAN DETECTOR CABLE AND PEDESTRIAN SIGNAL CABLE IN SEPARATE CONDUITS IN A SHARED PULL BOX. RUN LOOP LEAD-INS, AND CONDUCTORS FOR INTERNALLY ILLUMINATED SIGNS IN SEPARATE CONDUITS AND PULL BOXES. RUN SPARE CONDUITS INTO PULL BOXES FOR PEDESTRIAN CABLES.

DRAFT

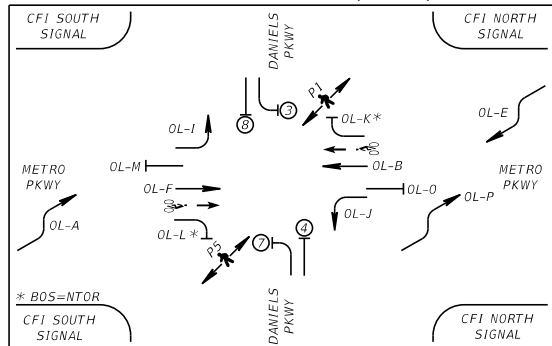
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td><b>PRELIMINARY</b></td> <td></td> <td></td> </tr> <tr> <td></td> <td><b>NOT FOR CONSTRUCTION</b></td> <td></td> <td></td> </tr> </tbody> </table>		DATE	DESCRIPTION	DATE	DESCRIPTION		<b>PRELIMINARY</b>				<b>NOT FOR CONSTRUCTION</b>			<p>Arthur L. Shipley, P.E. P.E. License Number 49398 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442</p>	<p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 739</td> <td>LEE</td> <td>431334-2-52-01</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 739	LEE	431334-2-52-01	<p>SHEET NO. T-15</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																			
	<b>PRELIMINARY</b>																					
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID																				
SR 739	LEE	431334-2-52-01																				

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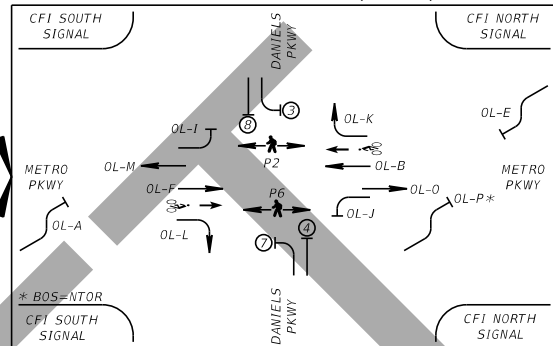
CONTROLLER PHASE 01 + 06



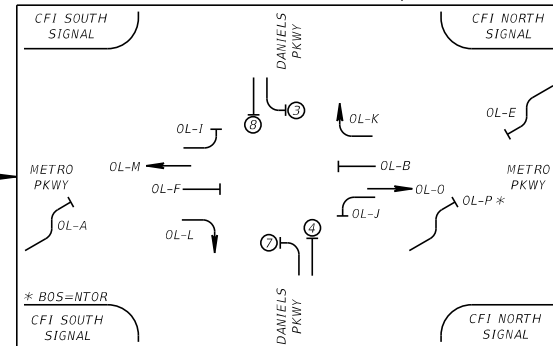
CONTROLLER PHASE 01 + 05



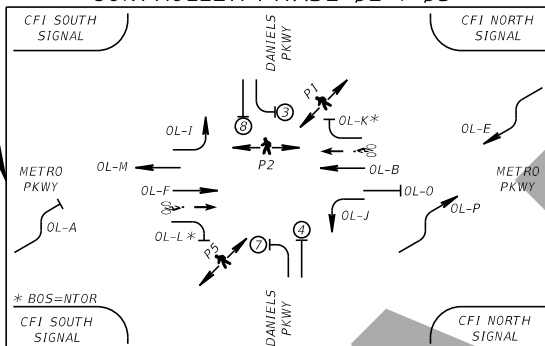
CONTROLLER PHASE 02 + 06



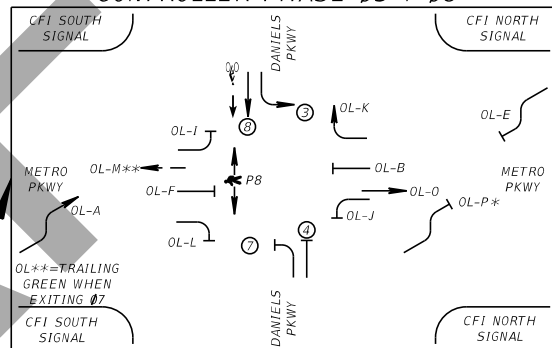
CONTROLLER PHASE 09\*\*



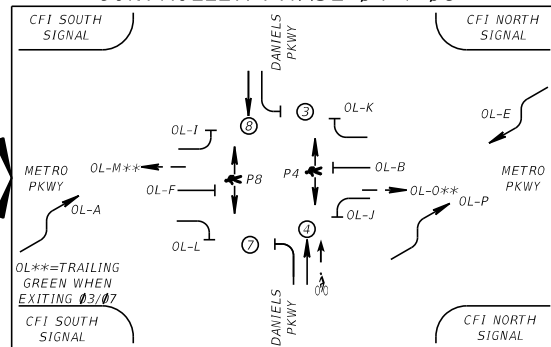
CONTROLLER PHASE 02 + 05



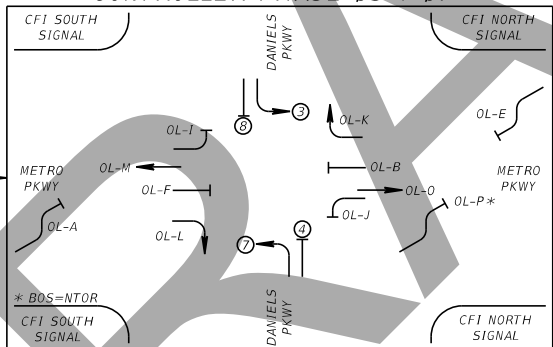
CONTROLLER PHASE 03 + 08



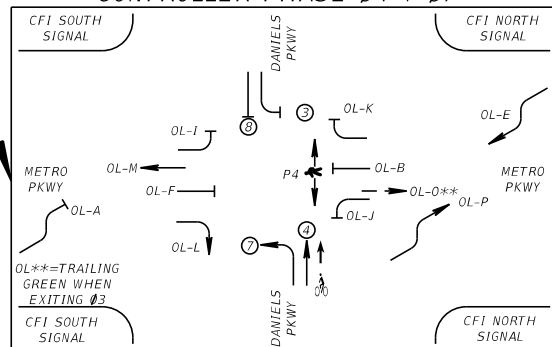
CONTROLLER PHASE 04 + 08



CONTROLLER PHASE 03 + 07



CONTROLLER PHASE 04 + 07



CONTROLLER OPERATIONS

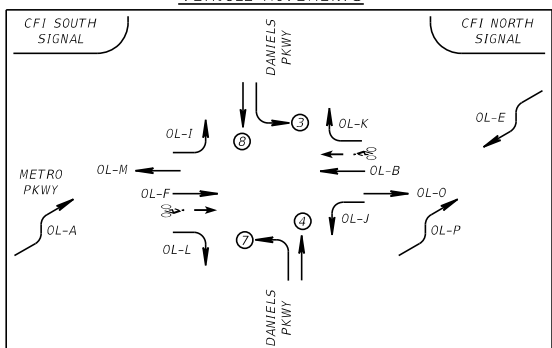
1. MAJOR IS METRO PKWY. (MOVEMENTS (2 AND 6.) MINOR STREET IS DANIELS PKWY.
2. REQUEST UPDATED SIGNAL TIMINGS FROM LEE COUNTY WHEN ALL LANES, STRIPING, SIGNALS AND PEDESTRIAN FACILITIES ARE IN THEIR FINAL CONFIGURATION AND THE SIGNAL IS OPERATING AS DESIGNED. PROVIDE LEE COUNTY WITH ALL "AS-BUILT" INFORMATION NECESSARY TO DEVELOP THE BASIC SIGNAL TIMING PARAMETERS AND ALLOW THREE (3) WEEKS FOLLOWING THE REQUEST FOR LEE COUNTY TO DEVELOP THE UPDATED TIMINGS. PROGRAM THE CONTROLLER PER THE TIMINGS PROVIDED BY LEE COUNTY.
3. PROGRAM ALL OVERLAP TYPES AS "NORMAL".
4. WHEN SIGNALS ARE IN FLASHING MODE, ALL VEHICLE MOVEMENTS SHALL FLASH RED.
5. TIMINGS ARE INITIAL AND MAY BE FIELD-ADJUSTED AS DIRECTED BY THE ENGINEER.
6. LOOPS SHALL BE PLACED 2' BEYOND STOP BAR UNLESS OTHERWISE SHOWN IN PLANS.

SEE NEXT PLAN (XX) FOR VEHICLE OVERLAP PARENT PHASES AND DETECTION ASSIGNMENTS

CONTROLLER PHASE TIMINGS-METRO PKWY & DANIELS PKWY

PHASE	1	2	3	4	5	6	7	8	9**
DIRECTION	EBLT @ XOVER	WB	SBLT	NB	WBLT @ XOVER	EB	NBLT	SB	CLEAR
TURN TYPE	PROT	THRU	PROT	THRU	PROT	THRU	PROT	THRU	
MINIMUM GREEN	5.0	18.0	5.0	18.0	5.0	18.0	5.0	18.0	
BICYCLE MIN GREEN		18.0		18.0		18.0		18.0	
EXTENSION	3.0	2.0	3.0	2.0	3.0	2.0	3.0	2.0	
YELLOW CLEARANCE	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	
ALL RED	3.0	3.0	3.0	4.0	3.0	3.0	3.8	3.4	
MAXIMUM GREEN 1	20.0	40.0	15.0	30.0	20.0	40.0	25.0	30.0	
MAXIMUM GREEN 2									
PEDESTRIAN WALK	7.0	7.0		7.0	7.0	7.0		7.0	
PED CLEARANCE	8.0	37.0		51.0	8.0	34.0		46.0	
DUAL ENTRY		ON		ON		ON		ON	
RECALL		MIN				MIN			

VEHICLE MOVEMENTS



RING SEQUENCE

BARRIER 1 BARRIER 2

RING 1	1	2	9**	3	4
RING 2	5	6		7	8

\*\*OPTIONAL PHASE IF NEEDED TO CLEAR OUT CENTER INTERSECTION BEFORE SBL AND NBL START

REVISIONS		DATE	DESCRIPTION
DATE	DESCRIPTION	DATE	DESCRIPTION

Arthur L. Shipley, P.E.  
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Orlando, FL 32801-3442

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

SIGNALIZATION PLAN

SHEET NO.  
T-16

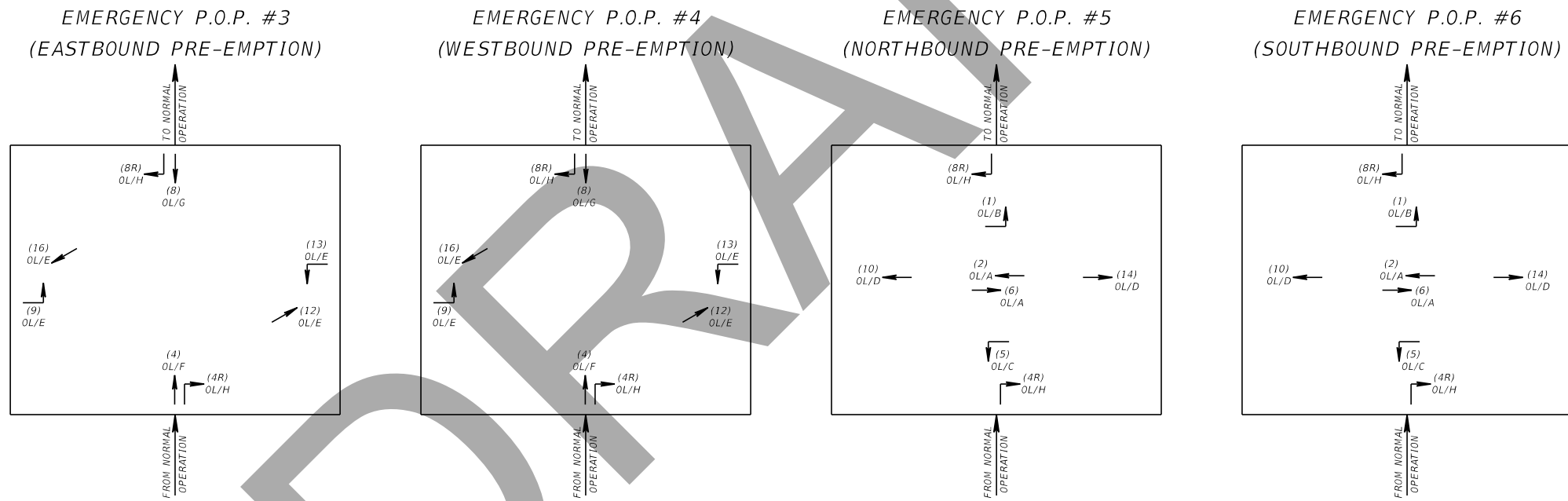


EMERGENCY VEHICLE PREEMPTION						
PREEMPTION TIMING PLAN	1	2	3(EB)	4(WB)	5(NB)	6(SB)
PRIORITY	-	-	6	6	6	6
DELAY BEFORE PREEMPTION (SEC)	-	-	0	0	0	0
MINIMUM GREEN BEFORE PREEMPTION (SEC)	-	-	*	*	*	*
LOCK CALL	-	-	OFF	OFF	OFF	OFF
MAXIMUM PRESENCE (SEC)	-	-	120	120	120	120
YELLOW CLEARANCE (SEC)	-	-	**	**	**	**
RED CLEARANCE (SEC)	-	-	**	**	**	**
DWELL PHASES	-	-	TF5	TF5	TF2	TF2
MINIMUM DWELL (SEC)	-	-	7	7	10	10
YELLOW CLEARANCE (SEC)**	-	-	**	**	**	**
RED CLEARANCE (SEC)**	-	-	**	**	**	**
EXIT PHASES	-	-	TF1	TF1	TF3+7	TF3+7

**NOTES:**

- \*ENTRY INTO PREEMPTION SHALL NOT VIOLATE MINIMUM GREEN OR PEDESTRIAN INTERVALS.
- \*\* YELLOW AND ALL RED INTERVALS DURING PREEMPTION SHALL BE THE SAME VALUES USED DURING NORMAL CONTROLLER OPERATIONS.
- CONTROLLER BRAND TBD.

**PREEMPTION DIAGRAM**

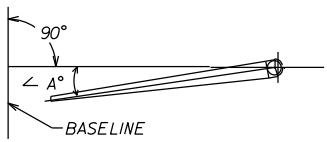


REVISIONS				Arthur L. Shipley, P.E. P.E. License Number 49398 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNALIZATION PLAN</b>	SHEET NO.  T-17
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
	<b>PRELIMINARY</b>				SR 739	LEE	431334-2-52-01		
	<b>NOT FOR CONSTRUCTION</b>								

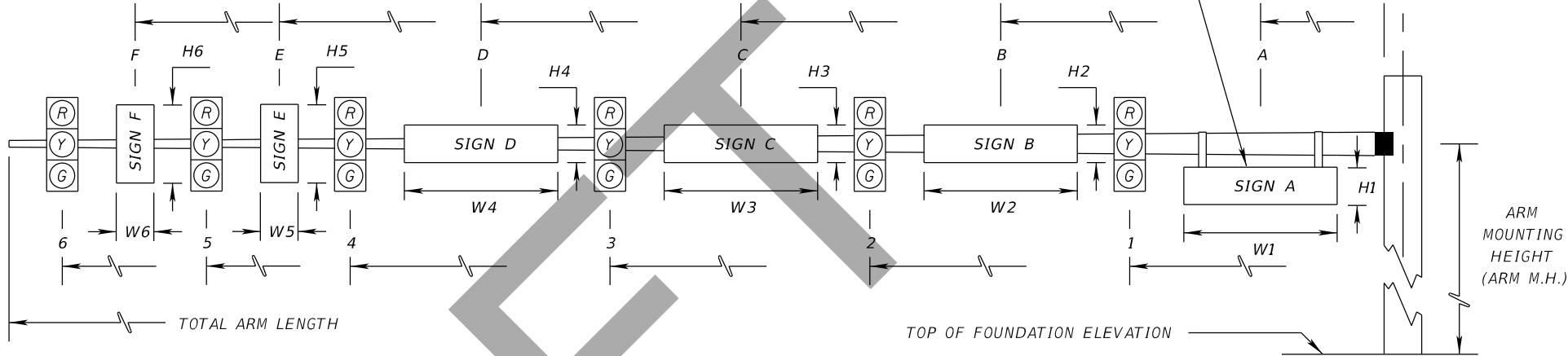
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SPECIAL INSTRUCTIONS			
ID NO.	PED. BUTTON	PED. SIGNALS	HANDHOLE LOCATION

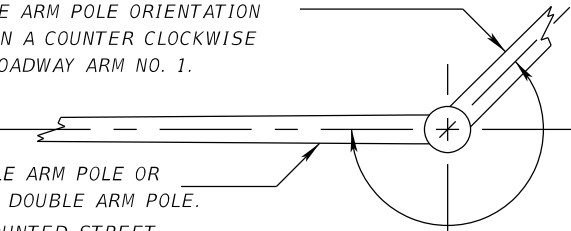
ARM NO. 1 ORIENTATION MEASURED IN A COUNTER CLOCKWISE DIRECTION FROM THE PERPENDICULAR TO THE BASELINE. ORIENTATION IS PERPENDICULAR OR PARALLEL TO THE BASELINE ( $A^\circ = 0^\circ$  OR  $90^\circ$ ) AS SHOWN IN THE PLANS UNLESS LISTED IN THE CHART BELOW



ARM NO. 1 ORIENTATION		
ID NO.	SHEET NO.	$A^\circ$
1-1	T-5	23.9
2-2	T-6	335.1
2-3	T-6	55.5
2-6	T-6	345.8
2-7	T-6	42.1
3-2	T-7	25.3



ARM NO. 2 - DOUBLE ARM POLE ORIENTATION TO BE MEASURED IN A COUNTER CLOCKWISE DIRECTION FROM ROADWAY ARM NO. 1.



\* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

ID NO.	SHEET NO.	LOCATION BY STA.	TOP OF FOUNDATION ELEVATION	RDWY ARM NO.	CROWN ELEV.	SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	SIGNAL DATA																TOTAL ARM LENGTH	ARM M.H.	Δ BETWEEN DUAL ARMS 90/270	SIGN DATA														PAINT COLOR					
									DISTANCE FROM POLE																			DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN																			
									1	*	2	*	3	*	4	*	5	*	6	*	A	H1	W1	B				H2	W2	D	H4	W4	E	H5	W5	F	H6	W6									
1-1	T-5	1244+32.94, 94.36' Lt.	14.20'	1	16.00'	V	Y	N	14.4	3	23.5	3																31	XX.X																		NONE
1-2	T-5	1244+82.89, 68.11' Lt.	16.50'	1	17.60'	V	Y	N	24.5	3	36.1	3	47.5	3	62.6	3	73.6	3										76	XX.X																		NONE
2-1	T-6	1252+91.90, 61.31' Lt.	20.52'	1	20.00	V	Y	Y	31.4	3	42.7	3	53.8	3											58.4	3.0	3.0																		NONE		
2-2	T-6	1253+28.58, 96.30' Lt.	20.00'	1	20.00	V	Y	Y	14.4	3	24.2	3													19.0	3.0	3.0																		NONE		
2-3	T-6	1253+22.66, 166.28' Rt.	11.30'	1	19.70'	V	Y	Y	12.6	3	25.2	3																																		NONE	
2-4	T-6	1252+91.19, 131.15' Rt.	19.11'	1	19.90'	V	Y	Y	28.1	3	40.1	3	52.1	3	62.7	3	73.5	3										78	XX.X	270															NONE		
2-5	T-6	1251+48.98, 71.10' Rt.	18.80'	1	19.10'	V	Y	Y	32.7	3	43.7	3	54.8	3														60	XX.X																	NONE	
2-6	T-6	1251+15.67, 111.90' Rt.	17.32'	1	18.50'	V	Y	Y	27.8	3	35.7	3																61	XX.X																		NONE
2-7	T-6	1250+98.87, 161.54' Lt.	17.69'	1	17.90'	V	Y	Y	25.7	3	36.8	3																40	XX.X																	NONE	
2-8	T-6	1251+51.28, 132.42' Lt.	19.40'	1	19.80'	V	Y	Y	24.0	3	36.4	3	48.1	3	59.0	3	70.0	3										76	XX.X	270															NONE		
3-1	T-7	1259+59.97, 69.17' Rt.	16.15'	1	17.00'	V	Y	N	28.2	3	39.1	3	50.2	3	66.5	3	76.8	3										75	XX.X																	NONE	
3-2	T-7	1260+63.01, 77.93' Rt.	15.75'	1	15.70'	V	Y	N	13.9	3	25.0	3																29	XX.X																		NONE

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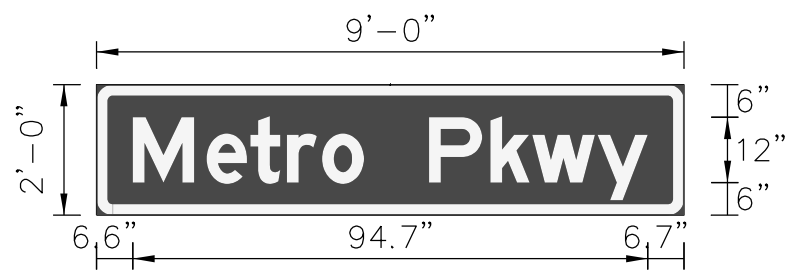
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

*MAST ARM TABULATION*

SHEET NO. T-18

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SIGN NAME	100	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				none
WIDTH	9'-0"	WIDTH	2"		
HEIGHT	2'-0"	RADII	3"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Land	COLUMN SIZE	AVERAGE LENGTH	

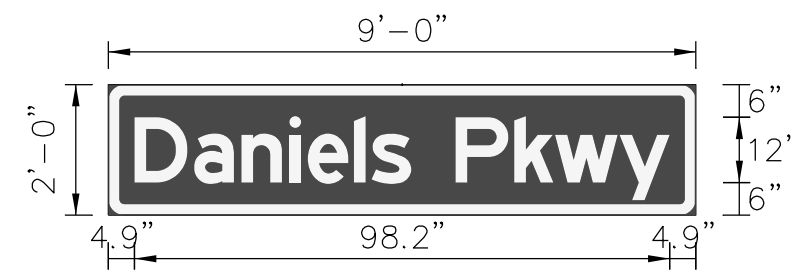


NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	M	e	t	r	o												
SPACE	6.6	13.6	8	6.7	6.5	7.7	12	11.3	7.7	12	9.2	6.7	94.7				

COPY																	
SPACE																	
COPY																	
SPACE																	
COPY																	
SPACE																	
COPY																	
SPACE																	
COPY																	
SPACE																	

SIGN NAME	101	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				none
WIDTH	9'-0"	WIDTH	2"		
HEIGHT	2'-0"	RADII	3"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Land	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	D	a	n	i	e	l	s										
SPACE	4.8	10.9	8.7	8.8	3.4	8.5	3.2	7.3	8.1	10.8	7.5	11.8	9.2	4.8	98.2		

COPY																	
SPACE																	
COPY																	
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SPACE																	
COPY																	
SPACE																	

SIGN NAME		QTY		SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Land	COLUMN SIZE	AVERAGE LENGTH	

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

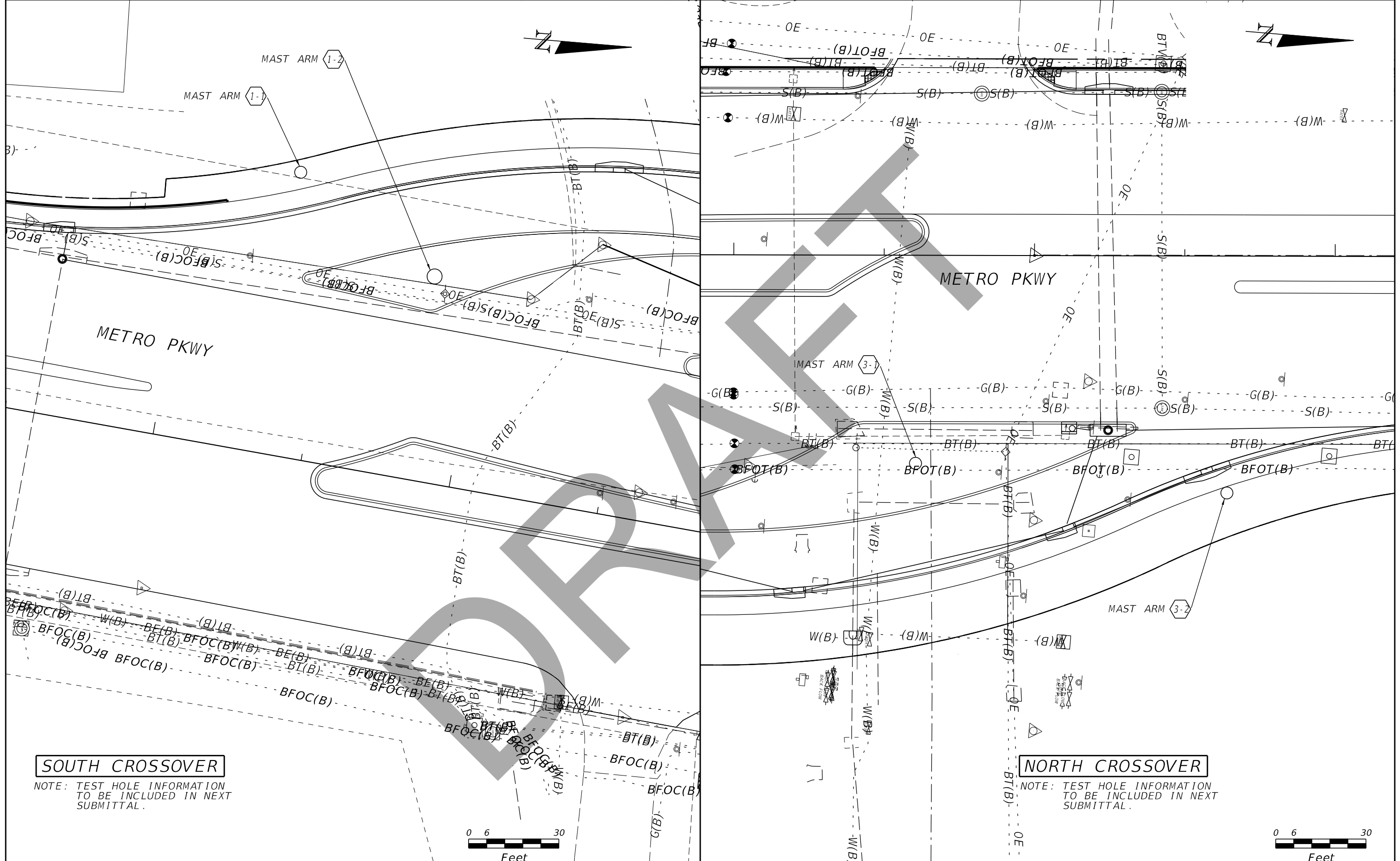
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SIGN NAME		QTY		SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Land	COLUMN SIZE	AVERAGE LENGTH	

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY																	
SPACE																	
COPY																	
SPACE																	
COPY																	
SPACE																	
COPY																	
SPACE																	
COPY																	
SPACE																	

REVISIONS						Arthur L. Shipley, P.E. P.E. License Number 49398 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  <b>GUIDE SIGN WORKSHEET</b>  T-21
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 739	LEE	431334-2-52-01	



**SOUTH CROSSOVER**

NOTE: TEST HOLE INFORMATION TO BE INCLUDED IN NEXT SUBMITTAL.

**NORTH CROSSOVER**

NOTE: TEST HOLE INFORMATION TO BE INCLUDED IN NEXT SUBMITTAL.



REVISIONS	
DATE	DESCRIPTION

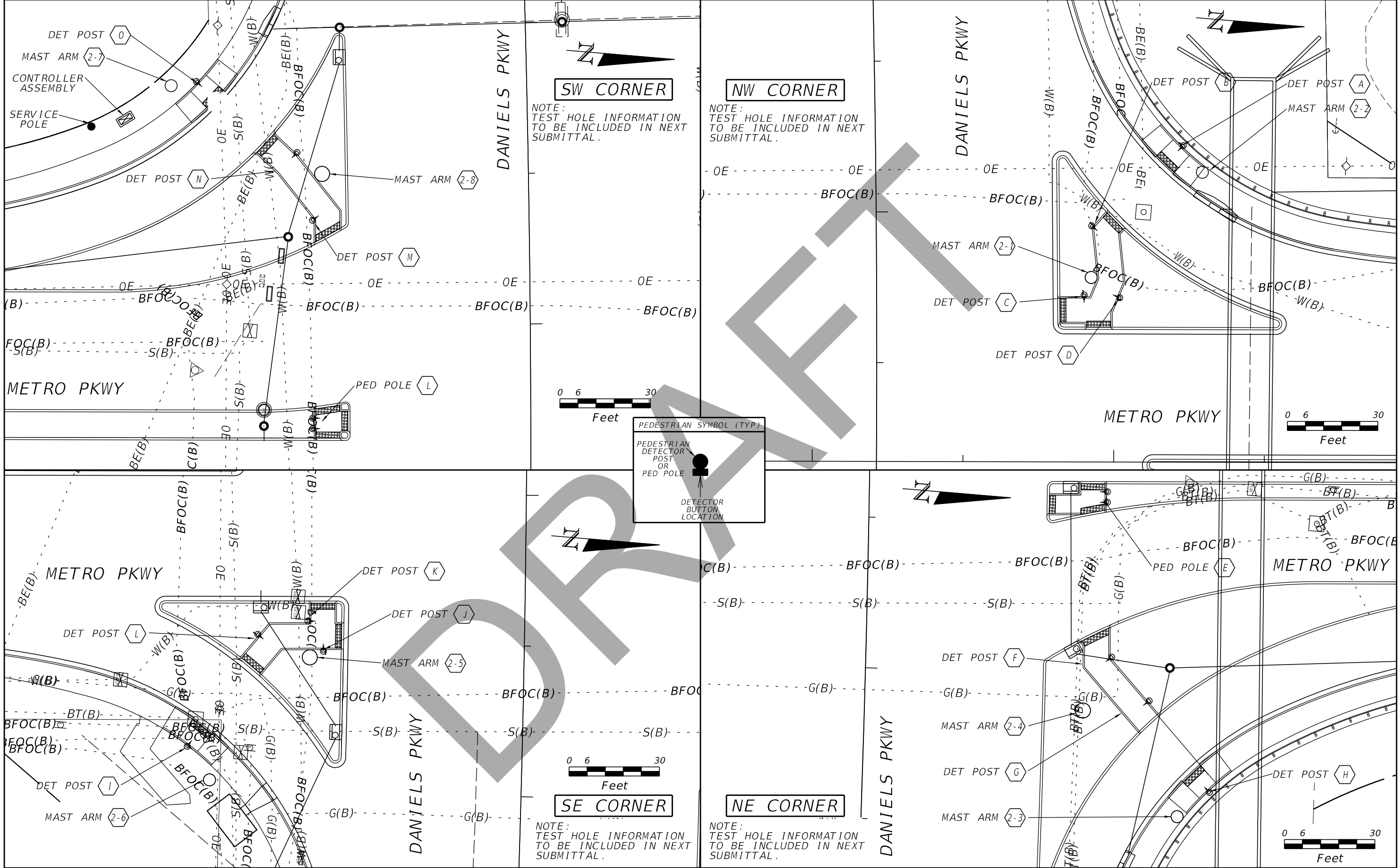
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 P.E. License Number 49398  
 Comprehensive Engineering Services, Inc.  
 201 S Orange Ave, Suite 1300  
 Orlando, FL 32801-3442

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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**SPECIAL DETAILS**

SHEET NO.  
T-22

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	<b>NOT FOR CONSTRUCTION</b>
\$DATE\$	\$TIME\$

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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<b>SPECIAL DETAILS</b>	
SHEET NO.	T-23

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**CONTRACT PLANS COMPONENTS**

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS
- INTELLIGENT TRANSPORTATION SYSTEMS PLANS
- LIGHTING PLANS

**INDEX OF SIGNALIZATION PLANS**

SHEET NO.	SHEET DESCRIPTION
IT-1	KEY SHEET
IT-2	SIGNATURE SHEET
IT-3	TABULATION OF QUANTITIES
IT-4	GENERAL NOTES
IT-5	ITS PROJECT LAYOUT
IT-6 TO IT-12	ITS PLAN
IT-13 TO IT-16	FIBER SPLICE DIAGRAM
IT-17	CCTV INSTALLATION DETAIL
IT-18	WIRING DIAGRAM

**STATE OF FLORIDA**  
**DEPARTMENT OF TRANSPORTATION**

**CONTRACT PLANS**

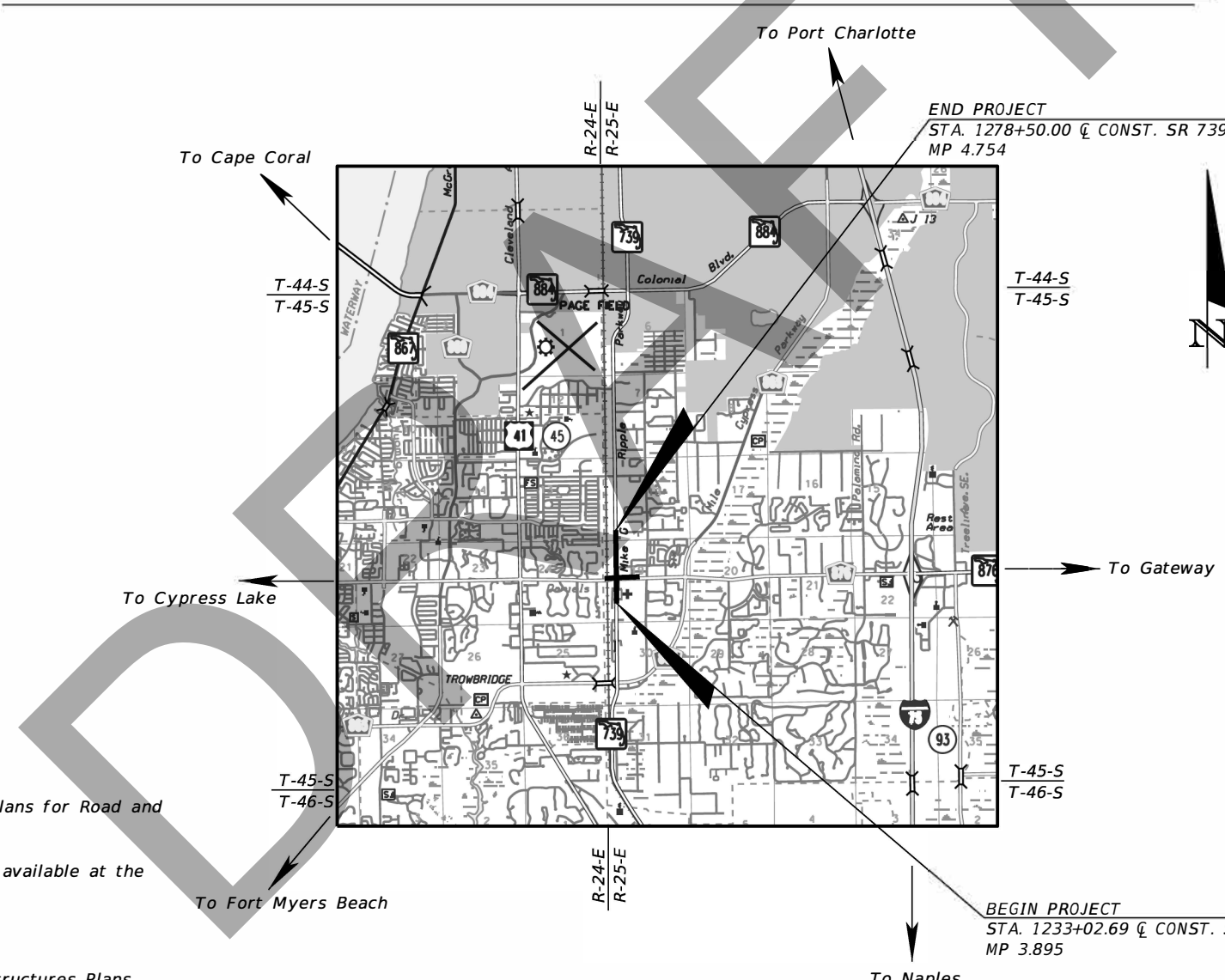
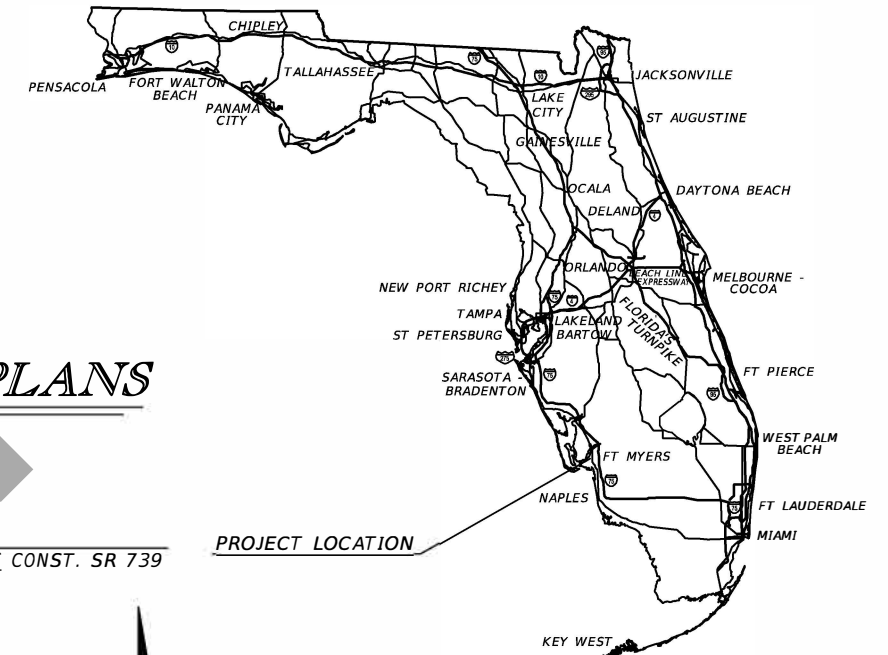
FINANCIAL PROJECT ID 431334-2-52-01

(FEDERAL FUNDS)

LEE COUNTY (1201100)

STATE ROAD NO. 739 (METRO PARKWAY)

**INTELLIGENT TRANSPORTATION SYSTEMS PLANS**



**INTELLIGENT TRANSPORTATION SYSTEMS PLANS**

**ENGINEER OF RECORD:**

ROBERT LOREN SYKES, P.E. NO.:71410  
COMPREHENSIVE ENGINEERING SERVICES, INC.  
201 S. ORANGE AVENUE, SUITE 1300  
ORLANDO, FLORIDA 32801  
VENDOR NO.: F59347222201

**FDOT PROJECT MANAGER:**

CHRIS SPEESE

**GOVERNING STANDARD PLANS:**

Florida Department of Transportation, FY 2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

**APPLICABLE IRs:**

Standard Plans for Bridge Construction are included in the Structures Plans Component

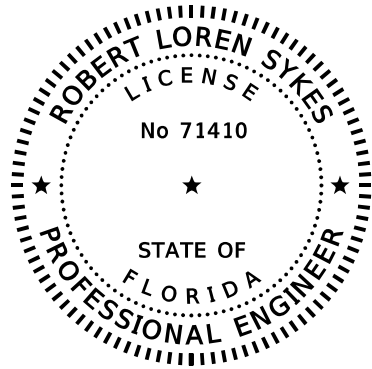
**GOVERNING STANDARD SPECIFICATIONS:**

Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>



CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	TBD	IT-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

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COMPREHENSIVE ENGINEERING SERVICES, INC.  
201 S. ORANGE AVENUE, SUITE 1300  
ORLANDO, FLORIDA 32801  
ROBERT LOREN SYKES, P.E. NO. 71410

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE  
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

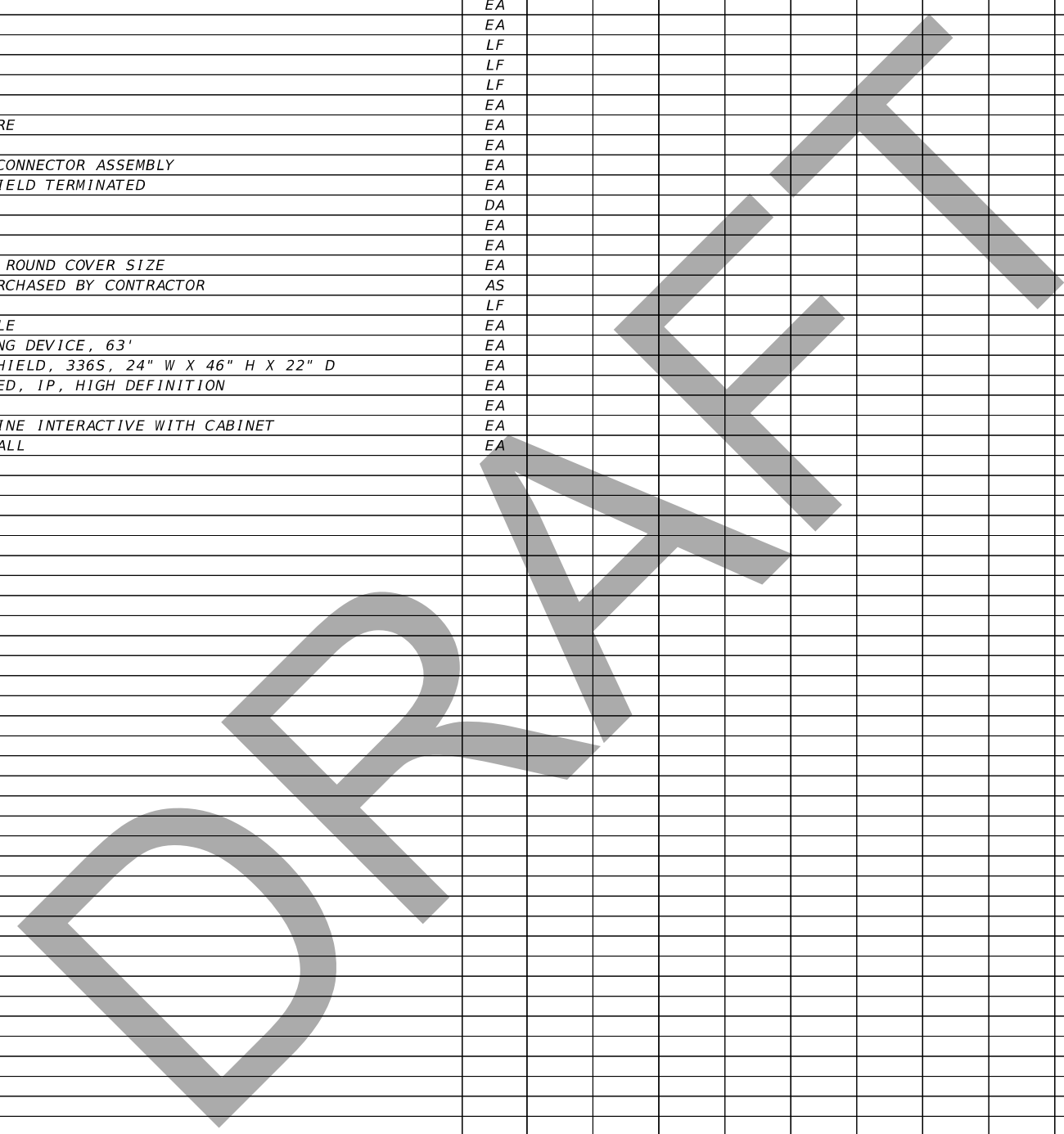
SHEET NO.	SHEET DESCRIPTION
IT-1	KEY SHEET
IT-2	SIGNATURE SHEET
IT-3	TABULATION OF QUANTITIES
IT-4	GENERAL NOTES
IT-5	ITS PROJECT LAYOUT
IT-6 TO IT-12	ITS PLAN
IT-13 TO IT-16	FIBER SPLICE DIAGRAM
IT-17	CCTV INSTALLATION DETAIL
IT-18	WIRING DIAGRAM

DRAFT

DATE		DESCRIPTION		REVISIONS		Robert Loren Sykes, P.E. P.E. License Number 71410 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>SIGNATURE SHEET</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY		FINANCIAL PROJECT ID	IT-2			
	<b>PRELIMINARY</b> NOT FOR CONSTRUCTION								SR 739		LEE
6/26/2023 11:42:40 AM											

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			IT-5		IT-6		IT-7		IT-8		IT-9		IT-10		IT-11		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
611-1-1	ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH	MI																		
611-2-1	ITSFM LOCATION DOCUMENTATION- INTERSECTION	EA																		
611-2-2	ITSFM LOCATION DOCUMENTATION- ITS SITE	EA																		
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF																		
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	LF																		
633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND, 49-96 FIBERS	LF																		
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA																		
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA																		
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA																		
633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA																		
633-3-16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA																		
633-6	FIBER OPTIC CABLE LOCATOR	DA																		
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA																		
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA																		
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA																		
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS																		
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																		
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA																		
641-3-163	CONCRETE CCTV POLE, FURNISH & INSTALL WITHOUT LOWERING DEVICE, 63'	EA																		
676-2-122	ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336S, 24" W X 46" H X 22" D	EA																		
682-1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, IP, HIGH DEFINITION	EA																		
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA																		
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA																		
685-2-1	REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL	EA																		



<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>6/26/2023</td> <td>11:42:41 AM</td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION	6/26/2023	11:42:41 AM	Robert Loren Sykes, P.E. P.E. License Number 71410 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table border="1"> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> <tr> <td>SR 739</td> <td>LEE</td> <td>431334-2-52-01</td> </tr> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 739	LEE	431334-2-52-01	SHEET NO. IT-3	
REVISIONS																							
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SR 739	LEE	431334-2-52-01																					

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GENERAL NOTES

- FOR REMOVED SIGNAL EQUIPMENT CLAIMED BY MAINTAINING AGENCY CONTACT MIKE PADGETT (239) 533-9500.
- MAINTAINING AGENCY: LEE COUNTY
- PAVEMENT MARKINGS ARE SHOWN FOR REFERENCE PURPOSES ONLY. FOR PAVEMENT MARKING DESIGN INFORMATION SEE PAVEMENT MARKING PLANS.
- CONTACT THE MAINTAINING AGENCY LEE COUNTY DOT TRAFFIC OPERATIONS, AT TELEPHONE NUMBER (239) 533-9500, FOR THE ASSIGNMENT OF THE PHYSICAL ADDRESS ONCE THE SERVICE DROP LOCATION HAS BEEN ESTABLISHED.
- AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTACT THE TRAFFIC SIGNAL INSPECTOR/LIAISON:

DAVID AYERS  
 FLORIDA DEPARTMENT OF TRANSPORTATION  
 FORT MYERS OPERATIONS CENTER  
 2981 N. E. PINE ISLAND ROAD  
 CAPE CORAL, FL. 33909  
 PH: 239-985-7858

- WHEN CONSTRUCTION IS COMPLETE, PROVIDE A SET OF "AS-BUILT" PLANS IN ELECTRONIC FORM (PDF) TO:

BELINDA M. THOMAS, FCCM, FCCN, CPM  
 TSM&O-FMS/AMS SPECIALIST IV  
 DISTRICT ONE FLORIDA DEPARTMENT OF TRANSPORTATION  
 801 N. BROADWAY AVE, BARTOW, FL 33830  
 EMAIL: BELINDA.THOMAS@DOT.STATE.FL.US  
 (863) 519-2726

- THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv Vh AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATELY ONLY. THE VERIFIED LOCATION/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN POINTS HAVE NOT BEEN VERIFIED.
- FLORIDA POWER AND LIGHT SHALL ASSIST CONTRACTOR IN PERFORMING ALL NECESSARY WORK UNDER THEIR POWER LINES, SUCH AS THE INSTALLATION OF SPAN WIRE, SIGNAL CABLE, FIBERGLASS INSULATORS AND SIGNAL POLES. CONTRACTOR TO NOTIFY THE POWER COMPANY AT LEAST THREE (3) FULL BUSINESS DAYS PRIOR TO INSTALLATION OF THIS EQUIPMENT.
- WHERE MAST ARM, STRAIN POLES, OR ANY OTHER SIGNAL EQUIPMENT REQUIRING FOUNDATIONS ARE PROPOSED WITHIN 4 FEET OF ANY UNDERGROUND UTILITY, THE UTILITY SHALL BE LOCATED, EXPOSED, AND PROTECTED. THE INITIAL 5 FEET OF THE SHAFT INSTALLATION SHALL BE EXPOSED USING NON MECHANIZED EQUIPMENT.

UTILITY OWNERS:	CONTACTS	TELEPHONE NUMBERS
NANCY SPENCE	AT&T OF FLORIDA	770-918-5424
NICOLE MONAHAN	CITY OF FORT MYERS	239-321-7459
LEONARDO MAXWELL-NEWBOLD	COMCAST	984-447-8405
DANNY HASKETT	CROWN CASTLE FIBER	786-610-7073
VOEY BRAY	FP&L -LEE	386-586-6403
MIKE REBER	SUMMIT BROADBAND INC.	239-325-4105 Ext: 261
NETWORK RELATIONS	LEVEL 3 COMMUNICATIONS LLC	877-366-8344 Ext: 2
TOM WATTS	LEE COUNTY SIGNAL DEPART.	239-533-9500
JOE SULAK	LEE COUNTY IRRIGATION	239-533-9400
TERRY KELLEY	LEE COUNTY UTILITIES	239-479-8181
JOAN DOWNING	TECO PEOPLES GAS- FT MYERS	813-275-3783
CRAIG CLARK	CENTURYLINK	239-336-2003
ANTHONY PIGNATARO	LEE MEMORIAL HEALTH SYSTEM	239-343-1004
WALTER DAVILA	HOTWIRE COMMUNICATIONS	954-699-0900

PAY ITEM NOTES

- 630-2-12  
 1. FOC INTERCONNECT CONDUIT SHALL BE FOUR (4) EACH (1-GREEN, 1-BLUE, 1-ORANGE, 1-YELLOW) 1-1/4 INCH CONTINUOUS HDPE SDR 11. NO OTHER CONDUIT COLORS CAN BE USED UNLESS APPROVED BY LEE COUNTY DOT TRAFFIC IN WRITING. A MINIMUM OF #10 ORANGE CU THHN STRANDED COPPER WIRE SHALL BE INSTALLED FOR LOCATED PURPOSED IN THE ORANGE CONDUIT. THE LOCATE WIRE SHALL NOT BE SPLICE IN THE CONDUIT. SPLICES OF THE LOCATE WIRE SHALL BE IN PULL BOXES AND SPLICED WITH A SPLIT BOLT AND INSULATED PER NEC. PERFORM CONTINUITY TESTS AND INSULATION RESISTANCE TESTS ON ALL LOCATE WIRES AND PROVIDE LEE COUNTY DOT TRAFFIC WITH ALL TEST RESULTS. REPLACE, OR REPAIR DEFECTIVE LOCATE WIRE AT NO ADDITIONAL COST.

- 633-1-121, 633-1-23  
 1. USE REA SPECIFICATION PE-39, \_\_\_\_ PAIR, 300 VOLT VOICE GRADE, WITH COATED ALUMINUM SHIELF AND #19 AWG CONDUCTORS FOR COMPUTER INTERCONNECT CABLE.  
 2. INTERCONNECT CABLE IS NOT TO SHARE A PULL BOX OR CONDUIT WITH OTHER CABLES.

- 635-2-11 | 635-2-12 | 635-2-13  
 1. PULL BOXES ARE TO BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, PULL BOXES SHALL BE PLACED A MINIMUM OF 7' FROM EDGE OF PAVEMENT.  
 2. PULL BOXES SHALL BE POLYMER CONCRETE CONSTRUCTION, HAVE ANSI TIER RATING OF T22 AND DESIGN LOAD RATING OF 22,500 LBS., NO EXCEPTIONS WILL BE PERMITTED. (POLYOLEFIN BLEND AND CONCRETE IS PROHIBITED) MINIMUM PULL BOX SIZE SHALL BE AS FOLLOWS:  
 i. TRAFFIC SIGNAL AND STREET LIGHTING 17" X 30" X 12"  
 ii. FIBER OPTIC CABLE MID RUNS 24" X 36" X 24"  
 iii. FIBER OPTIC CABLE SPLICE VAULT 30" X 60" X 36"

- 639-1-122  
 ELECTRICAL SERVICE SHALL BE 120/240 VAC-THREE WIRE.  
 TRAFFIC SIGNAL ELECTRICAL SERVICE SHALL BE METERED. METER SOCKET SHALL BE 200 AMP LEVER BYPASS NEMA 3R ALUMINUM ENCLOSURE RATED FOR OUTDOOR USE.  
 MAIN LUG LOAD CENTER SHALL BE 125 AMP 24 SPACES/34 CIRCUIT RATED FOR OUTDOOR USE.  
 SURGE PROTECTION DEVICE (SPD) SHALL BE RATED 120/240 VAC AND BE FDOT APL APPROVED.

- 639-2-1  
 1. USE A BONDING WIRE FROM ELECTRICAL SERVICE POINT TO CONTROLLER.

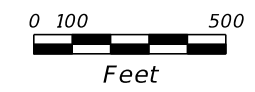
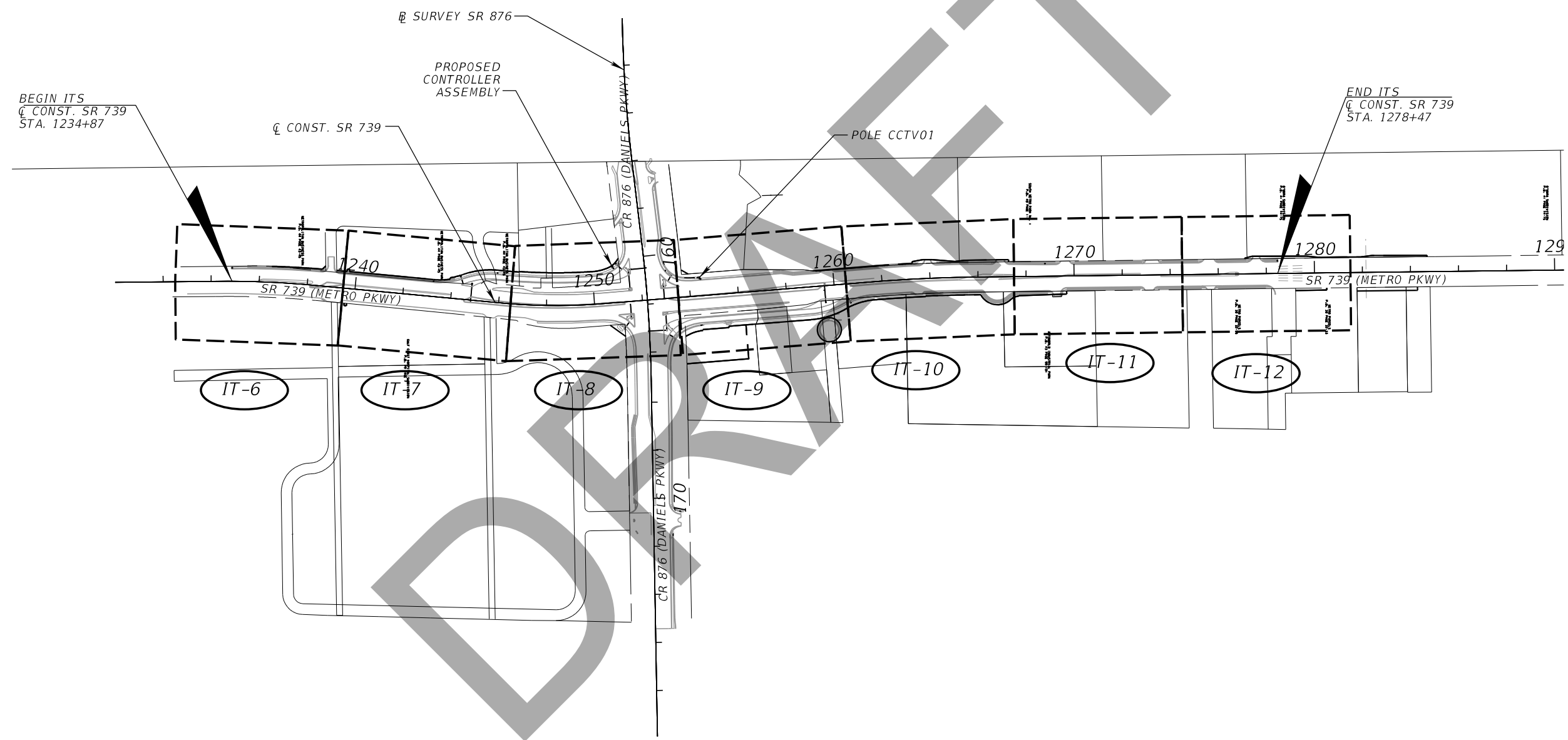
- 641-3-163  
 1. USE TWO 2" CONDUITS (EXCEPT FOR THE POLE LOCATED ADJACENT TO THE CONTROLLER CABINET WHICH SHALL HAVE THREE 2" CONDUITS) STUBBED OUT THROUGH PRESTRESSED CONCRETE POLE FOOTER AND TEMPORARILY SEAL.

- 682-1-133  
 PTZ CAMERA SHALL BE AXIS Q61 SERIES AND INCLUDE THE FOLLOWING COMPONENTS:  
 A. AXIS Q6100-E NETWORK CAMERA  
 B. AXIS Q6135-LE PTZ CAMERA  
 C. AXIS TQ6802 DOME  
 D. AXIS T94A01D PENDANT KIT  
 E. AXIS T8144 60-WATT POE INJECTOR  
 F. MEAN WELL NDR-120-48 POWER SUPPLY

- 684-1-1  
 1. LAYER 2 SWITCH SHALL BE CISCO IE 2000 AND INCLUDE THE FOLLOWING COMPONENTS:  
 A. CISCO IE-2000-8TC-G-B  
 B. SFP OPTIC MODULE GLC-LH-SMD-PRO  
 C. CISCO POWER SUPPLY PWR-IE50W-AC=

- 685-1-13  
 1. UPS SHALL BE A TRANSPORTATION CONTROL SYSTEMS MYERS POWERBACK PB2000 WITH PIGGYBACK CABINET, ZLEE.

REVISIONS				Robert Loren Sykes, P.E. P.E. License Number 71410 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  GENERAL NOTES IT-4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
	<b>PRELIMINARY                  NOT FOR CONSTRUCTION</b> 6/26/2023 11:42:42 AM				SR 739	LEE	431334-2-52-01	



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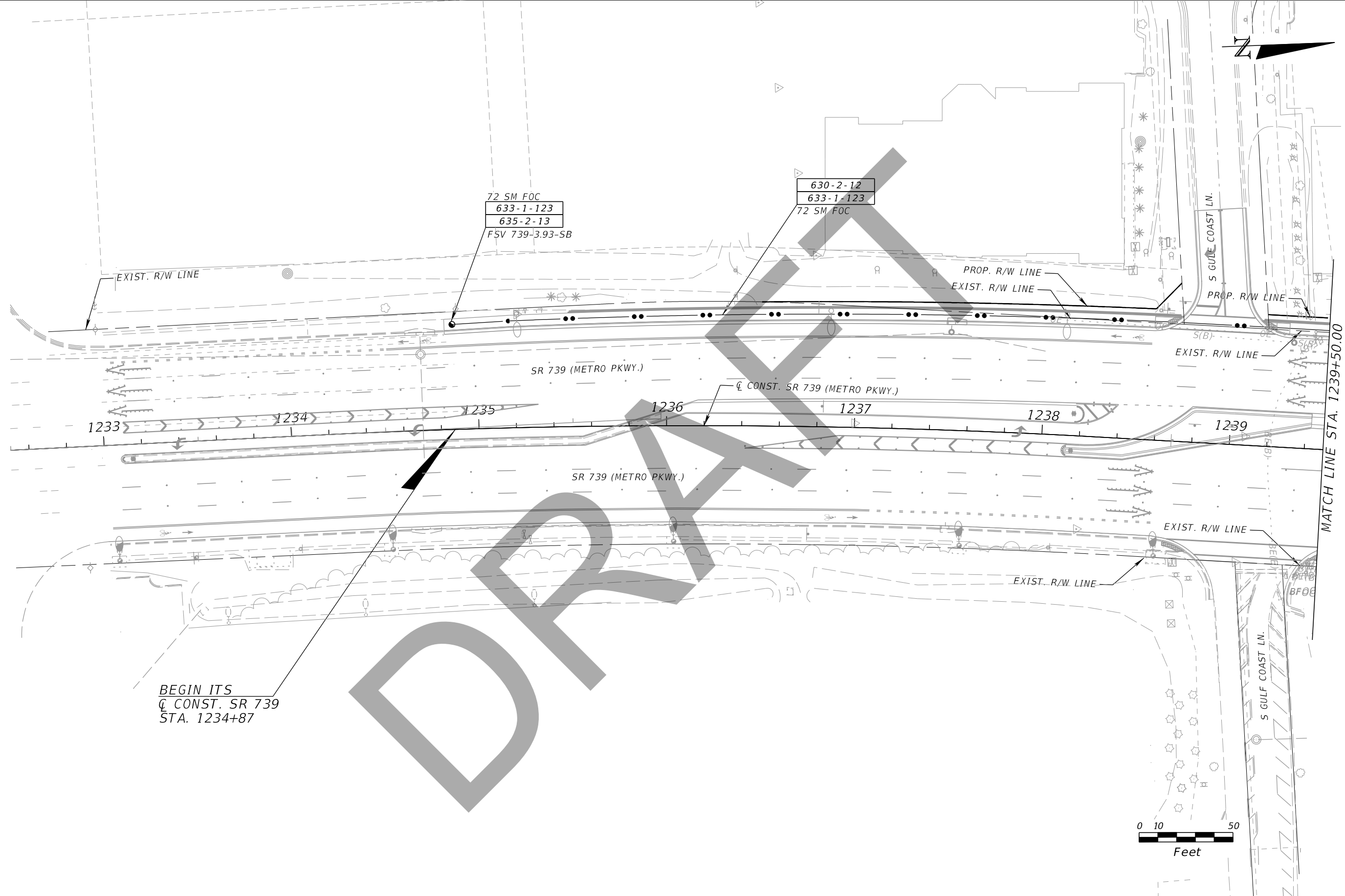
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**ITS PROJECT LAYOUT**

SHEET NO.  
IT-5

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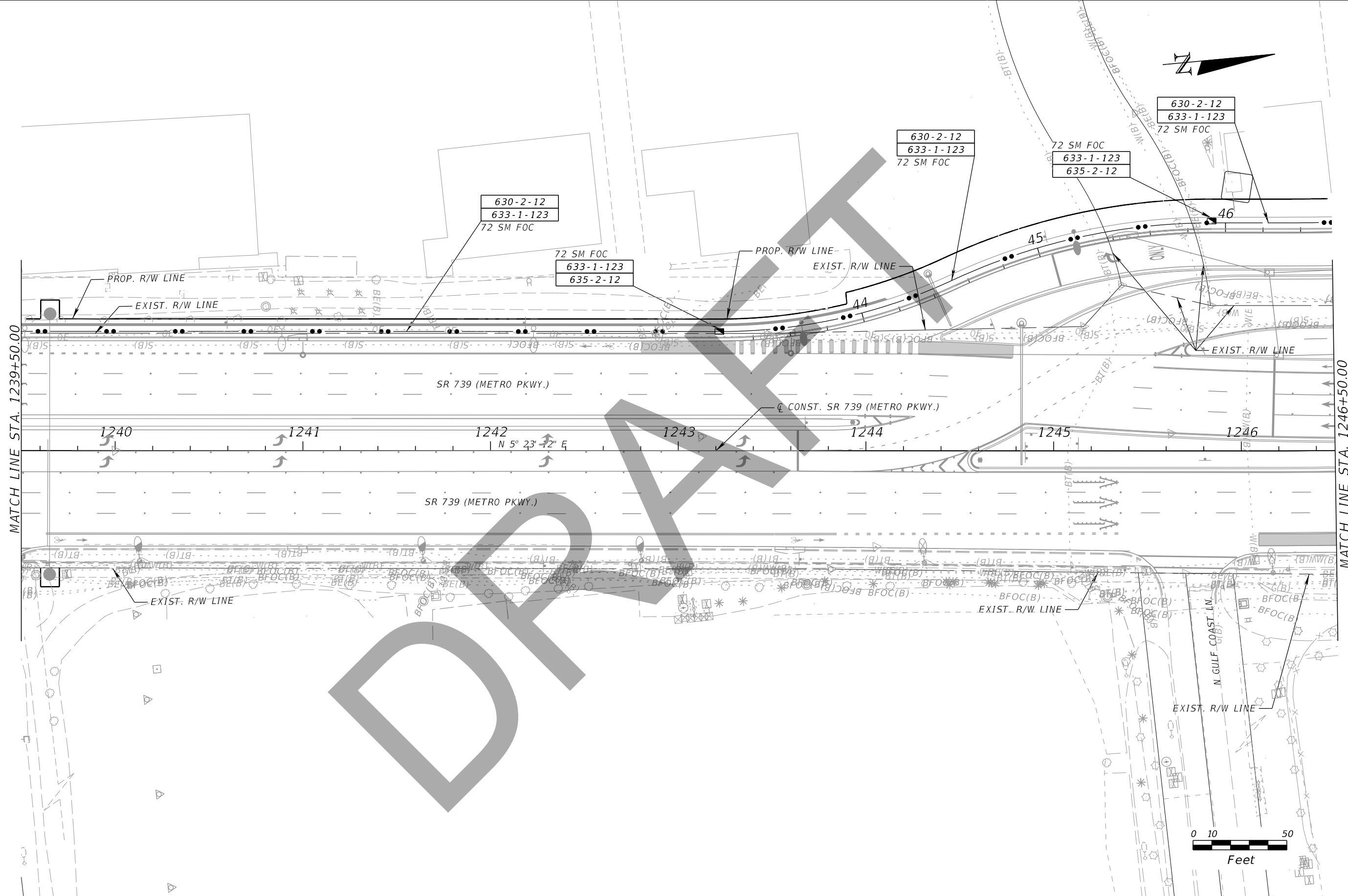
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<i>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</i>		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

*ITS PLAN*

SHEET NO.  
IT-6

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MATCH LINE STA. 1239+50.00

MATCH LINE STA. 1246+50.00

DRAFT

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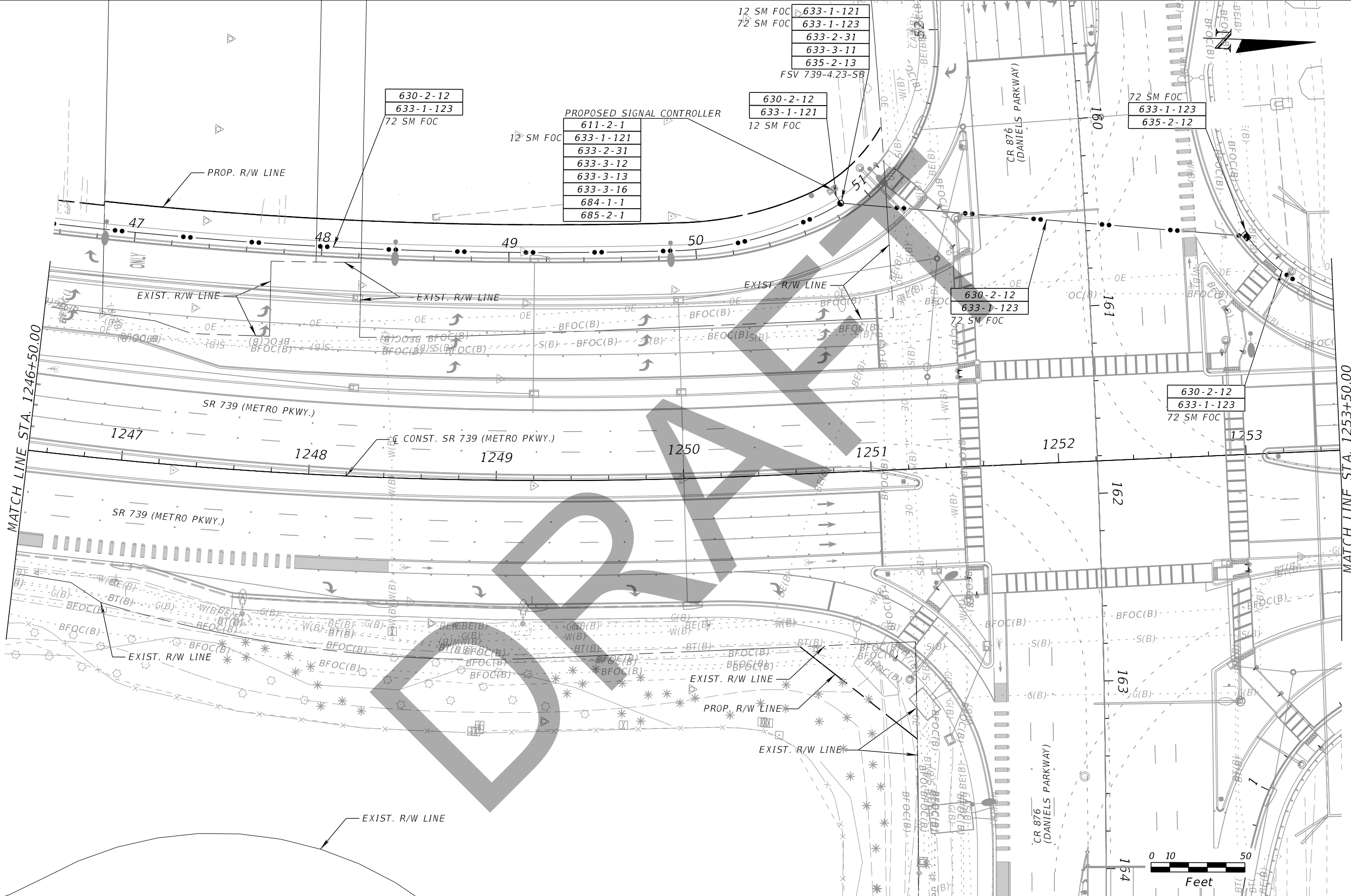
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Comprehensive Engineering Services, Inc.  
201 S Orange Ave, Suite 1300  
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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SR 739	LEE	431334-2-52-01

*ITS PLAN*

SHEET NO.  
IT-7

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P.E. License Number 71410  
Comprehensive Engineering Services, Inc.  
201 S Orange Ave, Suite 1300  
Orlando, FL 32801-3442

<b>STATE OF FLORIDA</b> <b>DEPARTMENT OF TRANSPORTATION</b>		
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SR 739	LEE	431334-2-52-01

ITS PLAN

SHEET NO.  
IT-8

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POLE CCTV01  
 (STA. 1254+42.90, 75.67' Lt.)  
 1 DOME CCTV CAMERA  
 1 POLE  
 1 TYPE 336S ITS FIELD CABINET  
 1 MANAGED FIELD ETHERNET SWITCH  
 1 FIELD TERMINATED PATCH PANEL  
 1 UPS  
 1 REMOTE POWER MANAGEMENT UNIT

611-2-2	641-3-163
633-1-121	676-2-122
633-2-31	682-1-133
633-3-12	684-1-1
633-3-13	685-1-13
633-3-16	685-2-1

630-2-12
633-1-123

72 SM FOC

PROP. R/W LINE

EXIST. R/W LINE

635-2-11
639-1-122
639-2-1
641-2-12

630-2-12
633-1-121

12 SM FOC

630-2-12
633-1-123

72 SM FOC

PROP. R/W LINE

EXIST. R/W LINE

MATCH LINE STA. 1253+50.00

MATCH LINE STA. 1260+50.00

1254

1255

1256

1257

1258

1259

1260

N 4° 38' 07" W

SR 739 (METRO PKWY.)

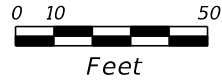
SR 739 (METRO PKWY.)

EXIST. R/W LINE

EXIST. R/W LINE

PROP. R/W LINE

PROP. R/W LINE



REVISIONS	
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	<b>NOT FOR CONSTRUCTION</b>
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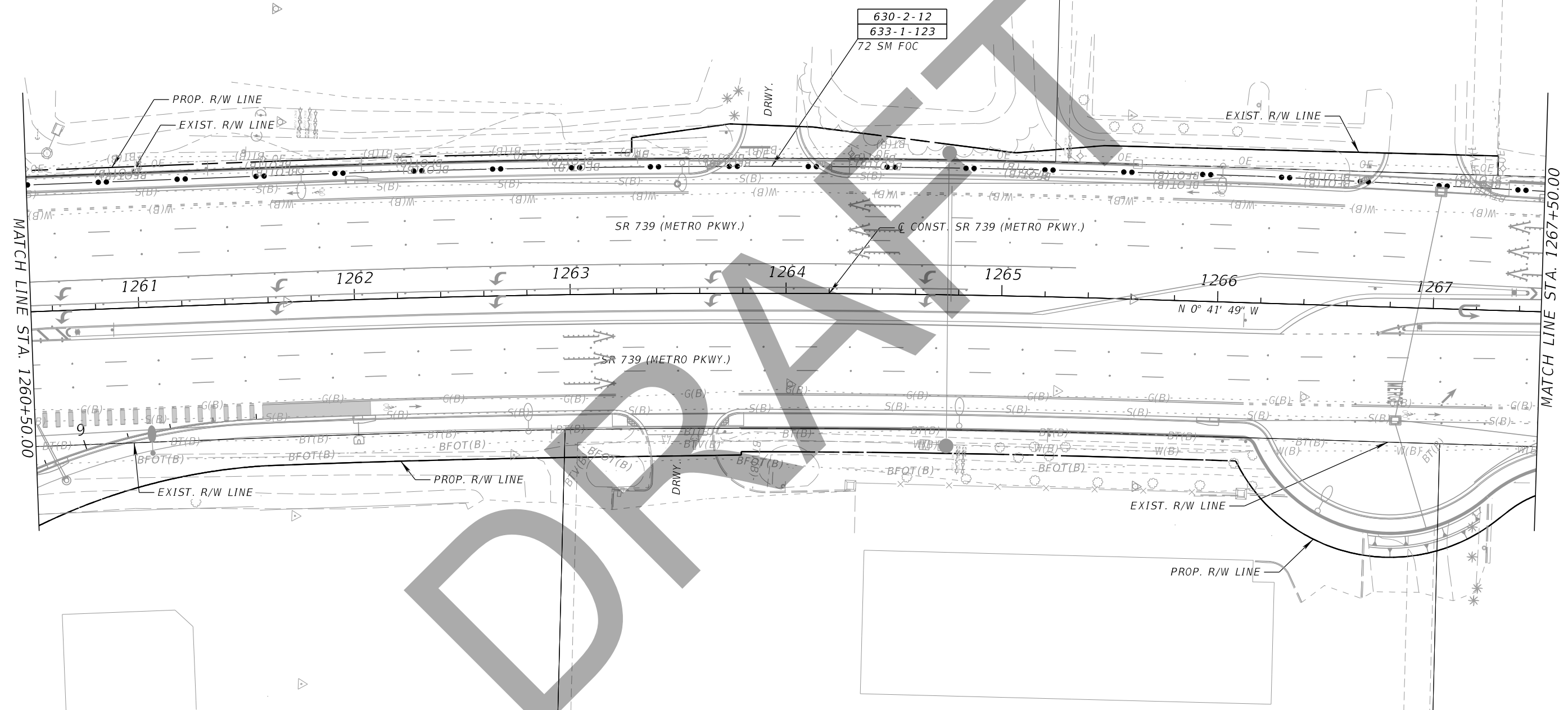
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SR 739	LEE	431334-2-52-01

**ITS PLAN**

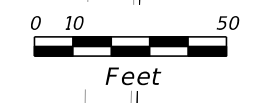
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IT-9

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MATCH LINE STA. 1267+50.00



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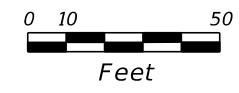
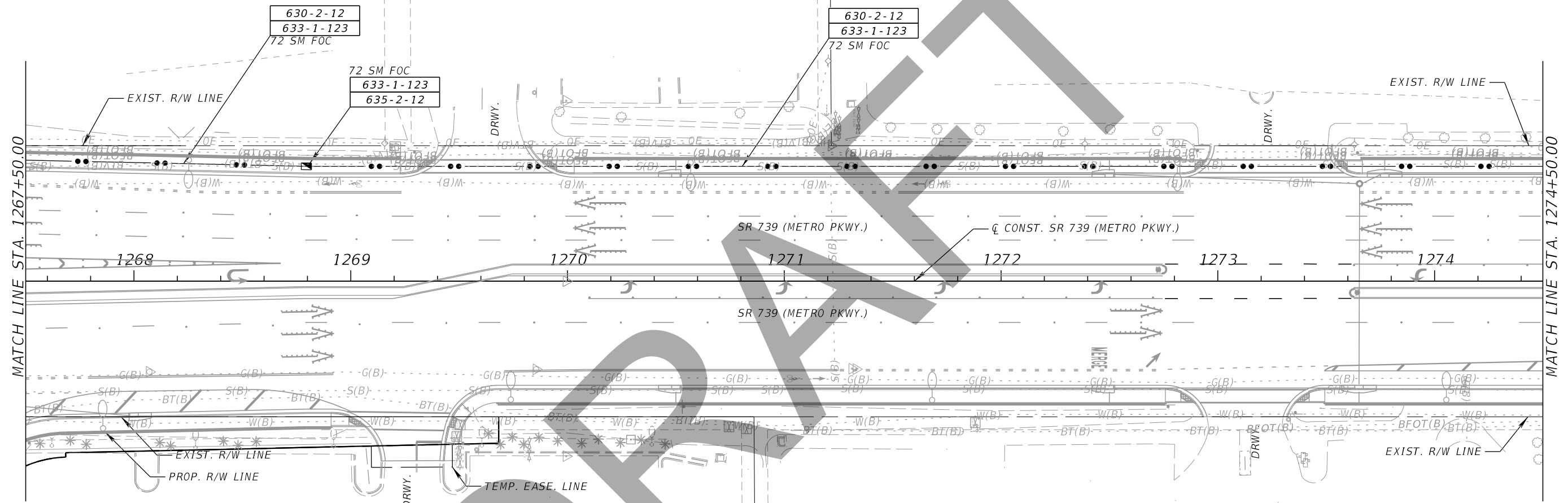
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SR 739	LEE	431334-2-52-01

**ITS PLAN**

SHEET NO.  
**IT-10**

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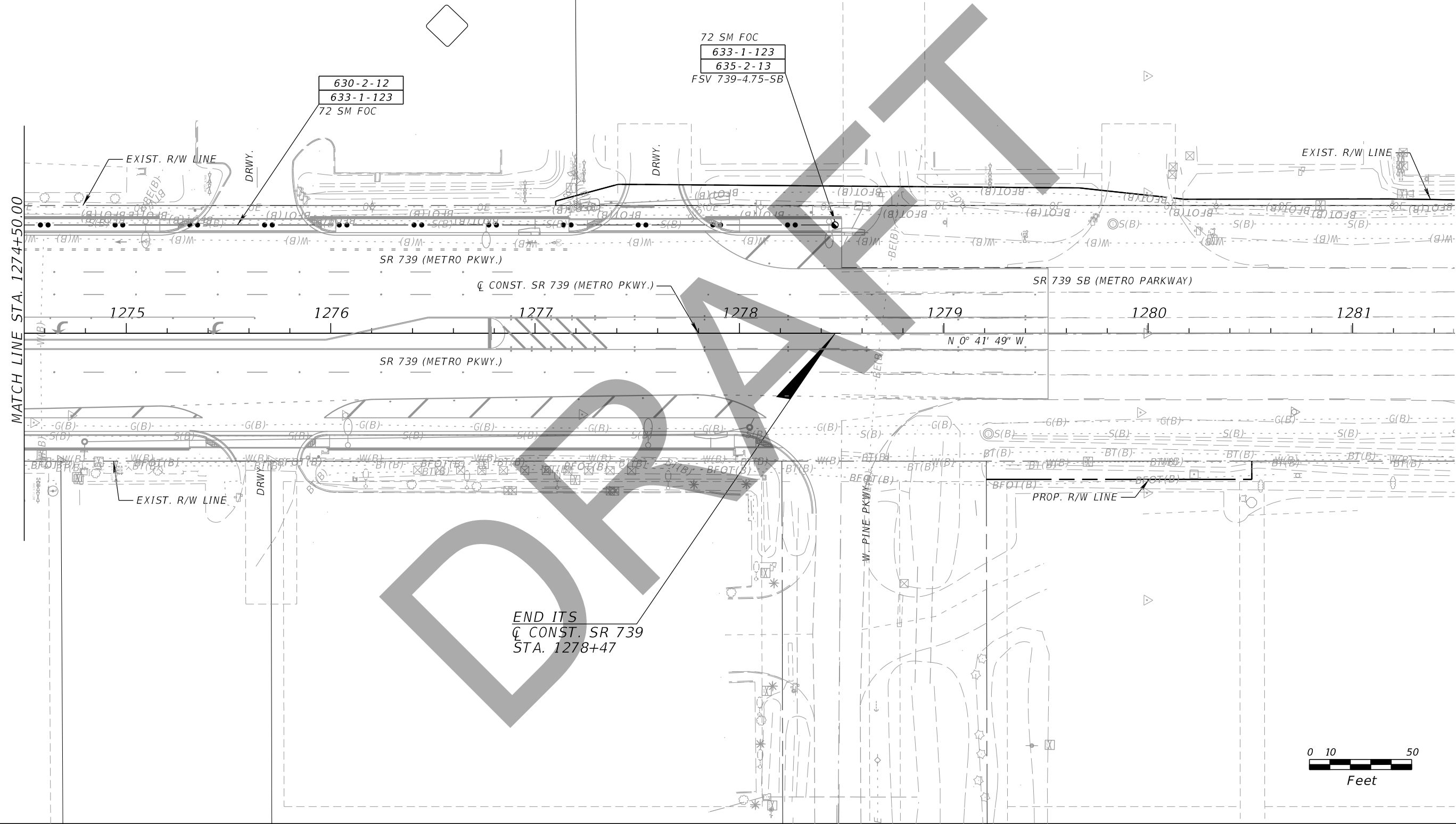
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**ITS PLAN**

SHEET NO.  
**IT-11**

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MATCH LINE STA. 1274+50.00

END ITS  
 Q CONST. SR 739  
 STA. 1278+47

REVISIONS	
DATE	DESCRIPTION

Robert Loren Sykes, P.E.  
 P.E. License Number 71410  
 Comprehensive Engineering Services, Inc.  
 201 S Orange Ave, Suite 1300  
 Orlando, FL 32801-3442

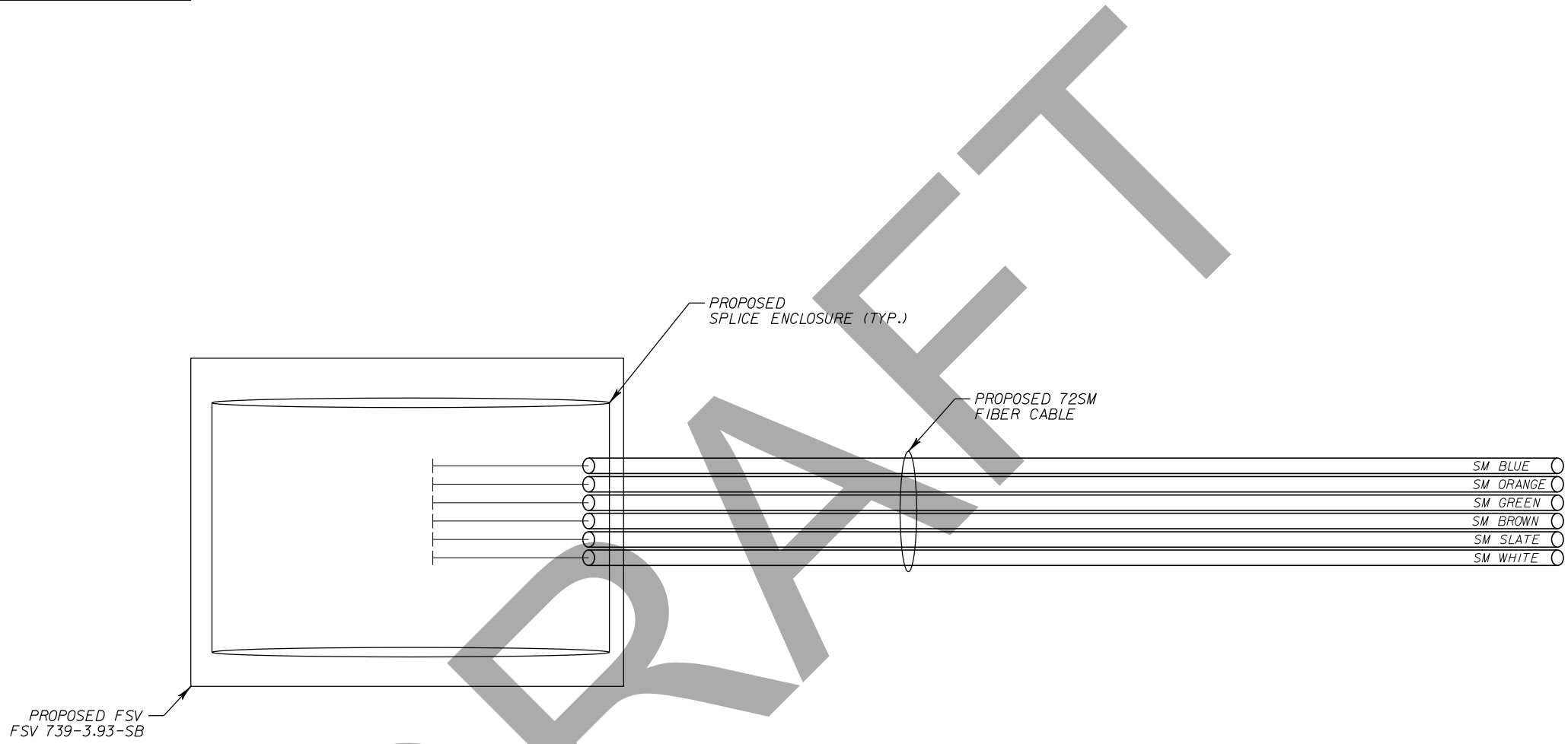
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

ITS PLAN

SHEET NO.  
IT-12

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

■	FUSION SPLICE (PROPOSED X12), COLOR TO COLOR	LEGEND:	RPM □	REMOTE POWER MANAGER
●	FUSION SPLICE (PROPOSED)		VIDEO ENCODER □	VIDEO ENCODER
○	FUSION SPLICE (EXISTING)		TERMINAL SERVER □	TERMINAL SERVER
⊗	BREAK EXISTING FUSION SPLICE		ETHERNET SWITCH □	ETHERNET SWITCH
□	CONNECTORIZED (PROPOSED)		UPS □	UNINTERRUPTIBLE POWER SOURCE
□	CONNECTORIZED (EXISTING)		SM BLUE ○	BUFFER TUBE
—	UNTERMINATED FIBER		TRAFFIC SIGNAL CONTROLLER □	TRAFFIC SIGNAL CONTROLLER
SM	SINGLE MODE		DCS TRANS □	DCS TRANSCEIVER
MM	MULTI MODE			
▤	PATCH PANEL			
—	FIBER			
---	EXISTING FIBER			
---	ETHERNET CABLE			



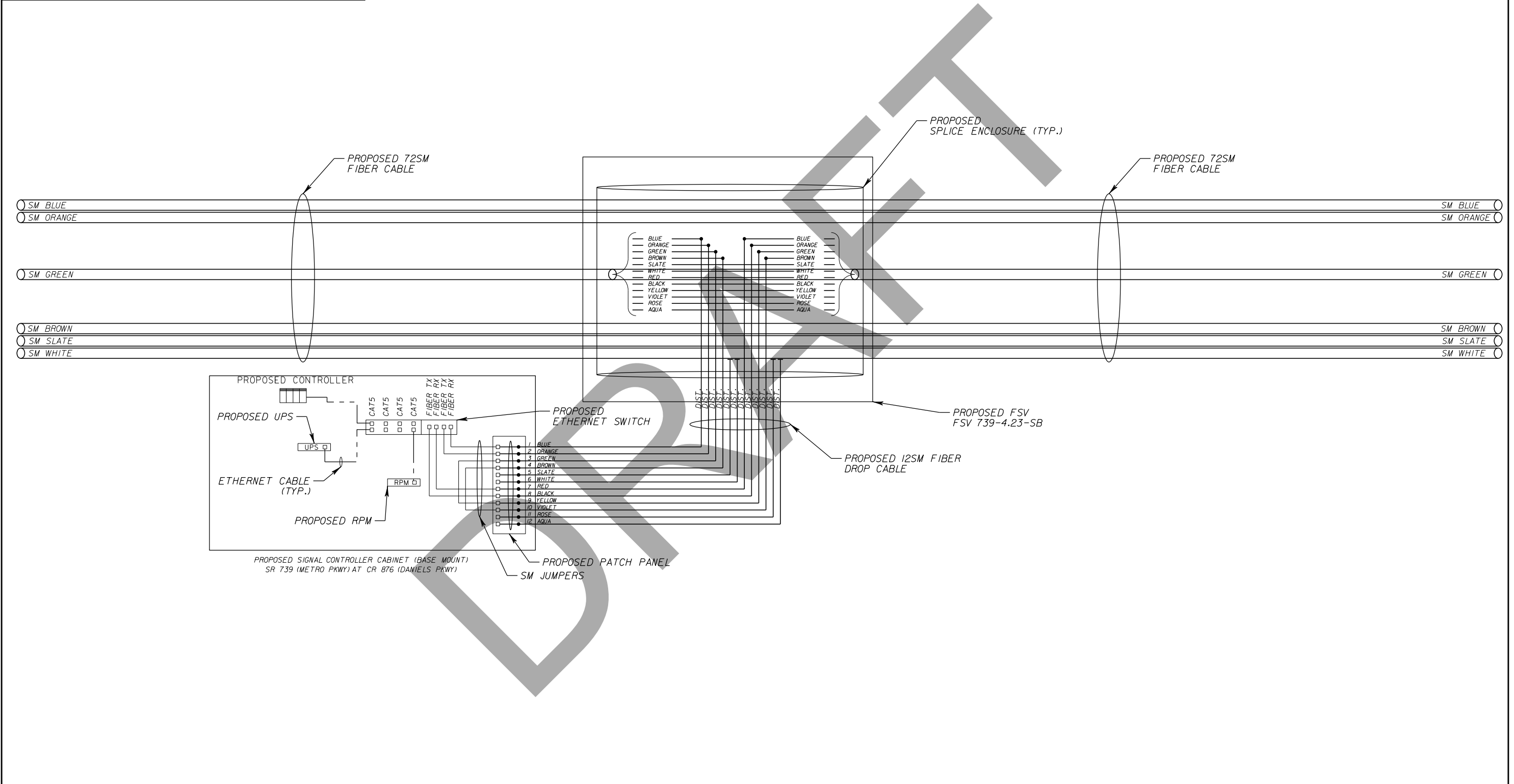
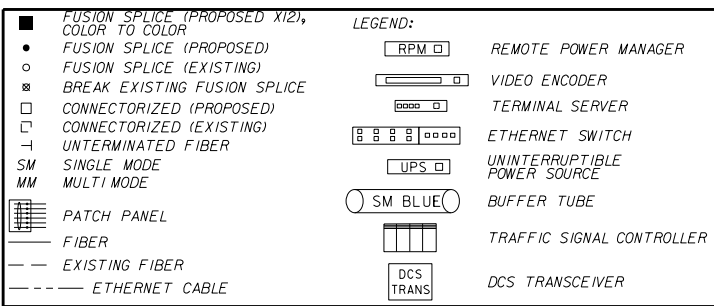
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DATE	DESCRIPTION	DATE	DESCRIPTION
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>		
	6/26/2023 11:43:02 AM		

Robert Loren Sykes, P.E.  
P.E. License Number 71410  
Comprehensive Engineering Services, Inc.  
201 S Orange Ave, Suite 1300  
Orlando, FL 32801-3442

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**FIBER SPLICE DIAGRAM**

SHEET NO.  
IT-13



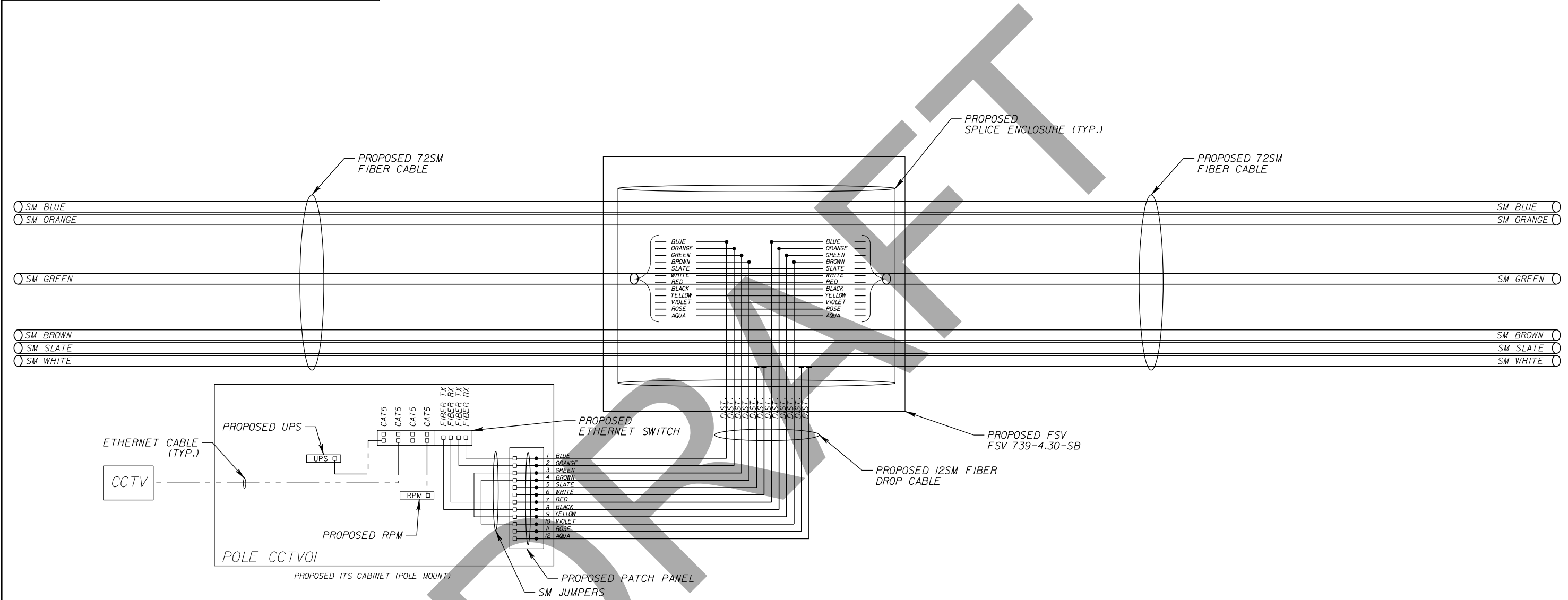
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DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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■	FUSION SPLICE (PROPOSED X12), COLOR TO COLOR	LEGEND:	RPM □	REMOTE POWER MANAGER
●	FUSION SPLICE (PROPOSED)		VIDEO ENCODER □	VIDEO ENCODER
○	FUSION SPLICE (EXISTING)		TERMINAL SERVER □	TERMINAL SERVER
⊗	BREAK EXISTING FUSION SPLICE		ETHERNET SWITCH □	ETHERNET SWITCH
□	CONNECTORIZED (PROPOSED)		UPS □	UNINTERRUPTIBLE POWER SOURCE
□	CONNECTORIZED (EXISTING)		SM BLUE ○	BUFFER TUBE
—	UNTERMINATED FIBER		TRAFFIC SIGNAL CONTROLLER □	TRAFFIC SIGNAL CONTROLLER
SM	SINGLE MODE		DCS TRANS □	DCS TRANSCEIVER
MM	MULTI MODE			
▤	PATCH PANEL			
—	FIBER			
---	EXISTING FIBER			
---	ETHERNET CABLE			



REVISIONS			
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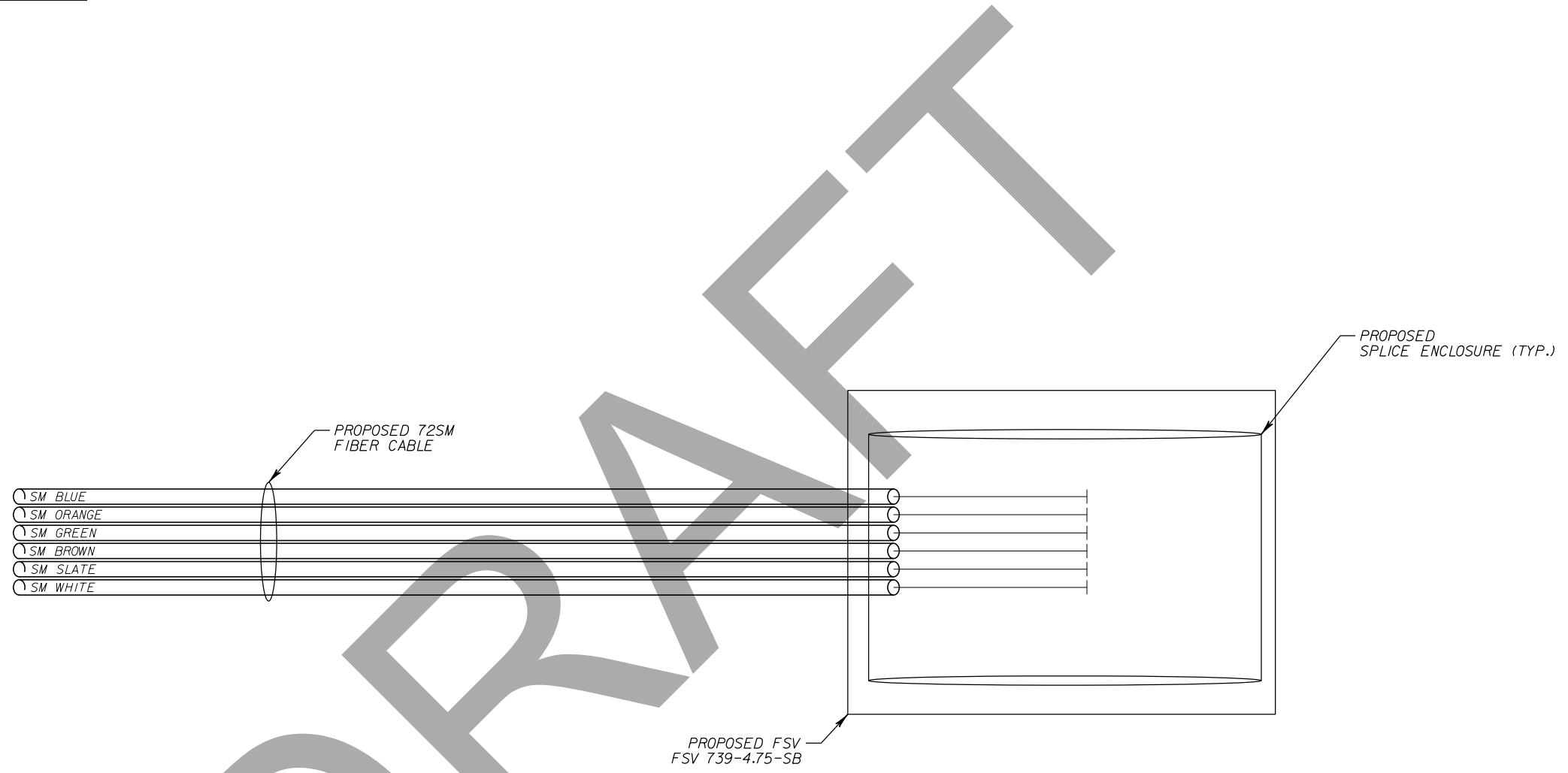
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**FIBER SPLICE DIAGRAM**

SHEET NO.  
IT-15

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

■	FUSION SPLICE (PROPOSED X12), COLOR TO COLOR	LEGEND:		
●	FUSION SPLICE (PROPOSED)	□ RPM □	REMOTE POWER MANAGER	
○	FUSION SPLICE (EXISTING)	▬ VIDEO ENCODER	VIDEO ENCODER	
⊗	BREAK EXISTING FUSION SPLICE	□ TERMINAL SERVER	TERMINAL SERVER	
□	CONNECTORIZED (PROPOSED)	□ ETHERNET SWITCH	ETHERNET SWITCH	
□	CONNECTORIZED (EXISTING)	□ UPS □	UNINTERRUPTIBLE POWER SOURCE	
—	UNTERMINATED FIBER	○ SM BLUE ○	BUFFER TUBE	
SM	SINGLE MODE	□ TRAFFIC SIGNAL CONTROLLER	TRAFFIC SIGNAL CONTROLLER	
MM	MULTI MODE	□ DCS TRANS	DCS TRANSCEIVER	
▬	PATCH PANEL			
▬	FIBER			
---	EXISTING FIBER			
---	ETHERNET CABLE			



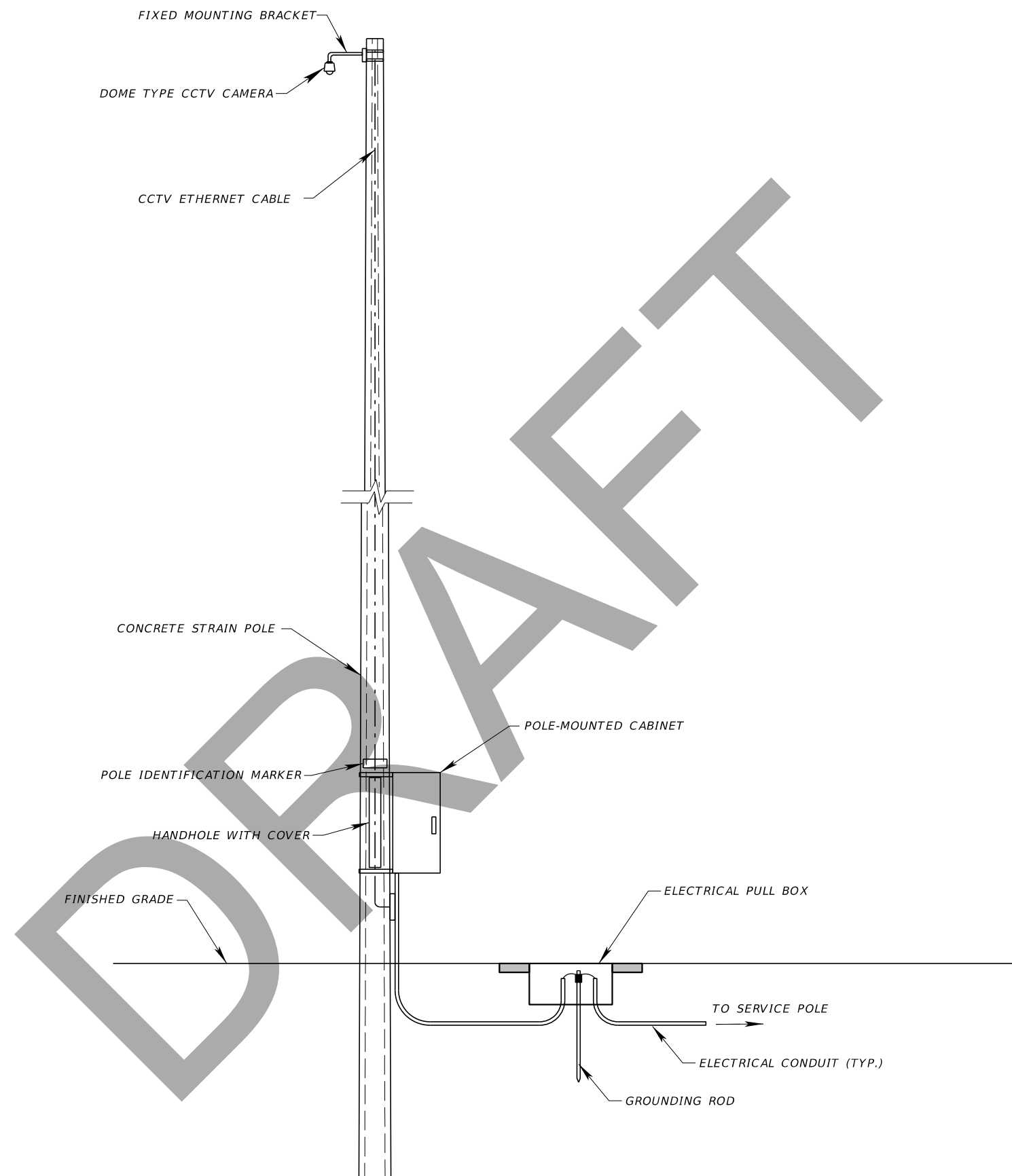
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

<i>FIBER SPLICE DIAGRAM</i>
SHEET NO. <b>IT-16</b>



REVISIONS	
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	<b>PRELIMINARY</b> NOT FOR CONSTRUCTION
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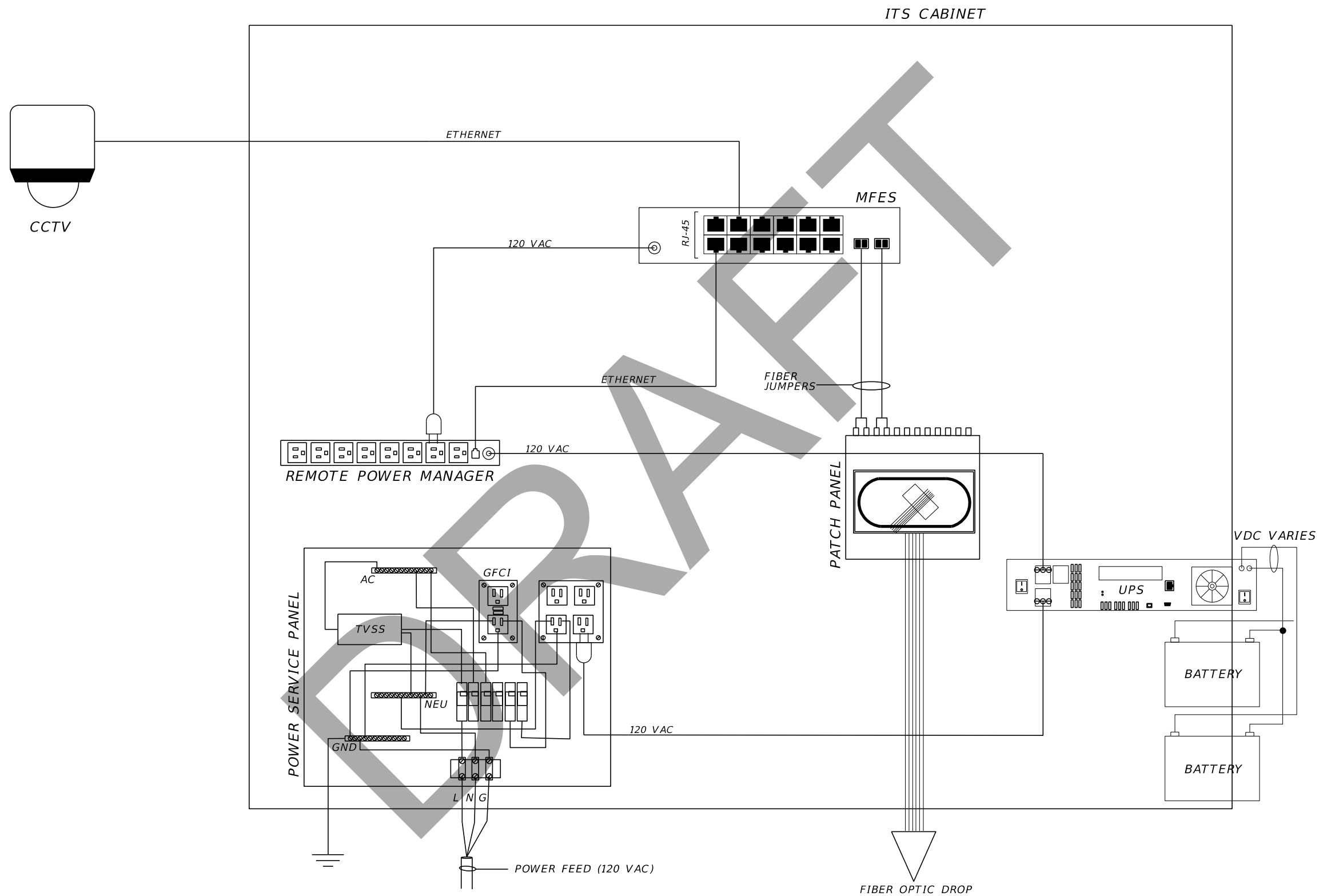
Robert Loren Sykes, P.E.  
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Comprehensive Engineering Services, Inc.  
201 S Orange Ave, Suite 1300  
Orlando, FL 32801-3442

<i>STATE OF FLORIDA</i> <i>DEPARTMENT OF TRANSPORTATION</i>		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

*CCTV INSTALLATION DETAIL*

SHEET NO.  
IT-17

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**WIRING DIAGRAM**

SHEET NO.  
IT-18

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

*STATE OF FLORIDA*  
*DEPARTMENT OF TRANSPORTATION*

*CONTRACT PLANS*

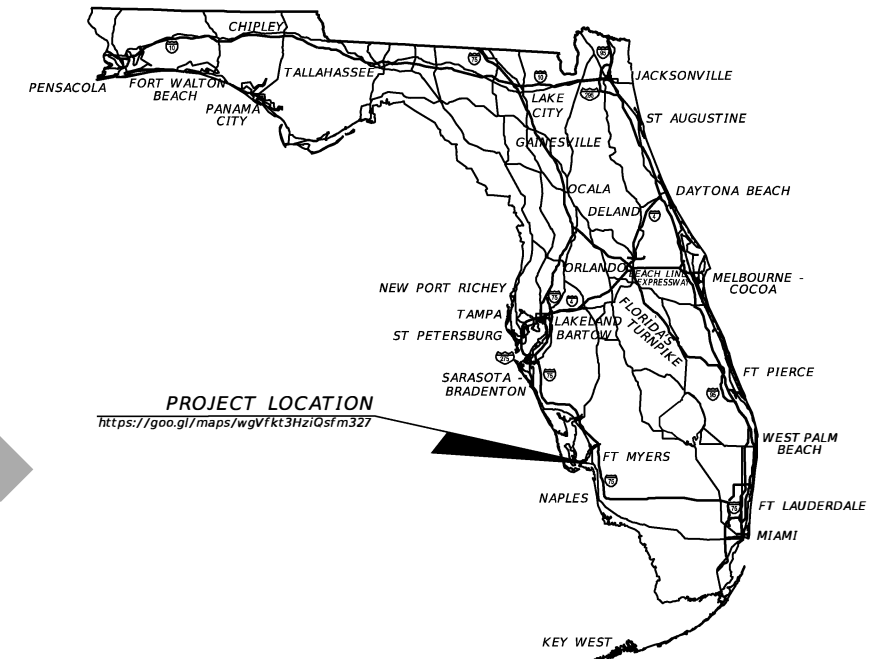
FINANCIAL PROJECT ID 431334-2-52-01

(FEDERAL FUNDS)

LEE COUNTY (1201100)

STATE ROAD NO. 739 (METRO PARKWAY)  
FROM S. GULF COAST LN TO PINE PARKWAY

*LIGHTING PLANS*



**INDEX OF LIGHTING PLANS**

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	SIGNATURE SHEET
L-3 - L-4	TABULATION OF QUANTITIES
L-5	GENERAL NOTES, LEGEND, & CRITERIA
L-6	POLE DATA
L-7	PROJECT LAYOUT
L-8 - L-17	LIGHTING PLAN
* L-18	SPECIAL DETAILS
* L-19	PANELBOARD SCHEDULES
* TO BE INCLUDED WITH THE NEXT SUBMITTAL	

DRAFT

**LIGHTING PLANS**

**ENGINEER OF RECORD:**

MICHAEL SALUDARES MANZANO, P.E. NO.: 64704  
COMPREHENSIVE ENGINEERING SERVICES, INC.  
201 S. ORANGE AVENUE, SUITE 1300  
ORLANDO, FLORIDA 32801  
(407) 423-1600  
CONTRACT NO.: C9B28  
VENDOR NO.: F5934722201

**FDOT PROJECT MANAGER:**

CHRIS SPEESE

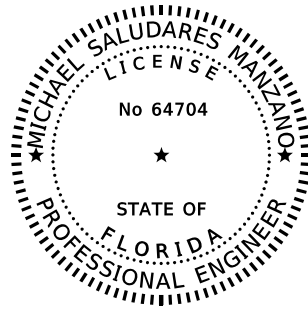
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**NOT FOR CONSTRUCTION**

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CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	TBD	L-1

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THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

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Comprehensive Engineering Services, Inc.  
201 S Orange Ave, Suite 1300  
Orlando, FL 32801-3442  
Michael Saldares Manzano, P.E. NO. 64704

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE  
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
L-1	KEY SHEET
L-2	SIGNATURE SHEET
L-3 - L-4	TABULATION OF QUANTITIES
L-5	GENERAL NOTES, LEGEND, & CRITERIA
L-6	POLE DATA
L-7	PROJECT LAYOUT
L-8 - L-17	LIGHTING PLAN
* L-18	SPECIAL DETAILS
* L-19	PANELBOARD SCHEDULES

\* TO BE INCLUDED WITH THE NEXT SUBMITTAL

DRAFT

REVISIONS				Michael Saldares Manzano, P.E. P.E. License Number 64704 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-2
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>				SR 739	LEE	431334-2-52-01		
6/25/2023 3:08:20 PM				6/25/2023 3:08:20 PM Default			\\ces-file\Trans\Projects\1301000\4313342520\lighting\SIGNLT01.dgn		

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			L-8		L-9		L-10		L-11		L-12		L-13		L-14		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	297		706		626		1239		1202		1071		353		5494			
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	142				354		210		224		332		345		1607			
0635 2 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	3		5		10		14		13		13		7		65			
0639 1122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS																		
0641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA																		
0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8-6	LF	1533		2478		3660		5307		5070		5001		2550		25599			
0715 1 13	LIGHTING CONDUCTORS, F&I, INSULATED, NO.4-2	LF																		
0715 11211	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, COBRA HEAD	EA	5		5		2										12			
0715 61300	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT, 0' ARM LENGTH	EA	1		1		9		8		3						22			
0715 62300	LIGHT POLE COMPLETE, F&I, STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT, 0' ARM LENGTH	EA	2		4		1		4		4		7		5		27			
0715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
0715500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	3		5		10		12		7		7		5		49			

PAY ITEM NOTES

- 630-2-11
  - A. GENERAL SIGNALIZATION AND STREET LIGHTING CONDUIT SHALL BE PVC CONDUIT AND BE SCHEDULE 40 OR SCHEDULE 80 APPROVED FOR ELECTRICAL USE (GRAY) HDPE CONDUIT IS PROHIBITED FOR TRENCHED IN CONDUIT.
- 630-2-11
  - A. DIRECTIONAL BORE CONDUIT FOR GENERAL SIGNALIZATION AND STREET LIGHTING SHALL BE TWO (2) INCH CONTINUOUS HDPE SDR 11 AND SHALL BE GRAY IN COLOR. NO OTHER CONDUIT COLORS CAN BE USED UNLESS COORDINATED THROUGH THE ENGINEER AND APPROVED BY LEE COUNTY DOT TRAFFIC IN WRITING.
- 635-2-11
  - A. PULL BOXES SHALL BE POLYMER CONCRETE CONSTRUCTION, HAVE ANSI TIER RATING OF T22 AND DESIGN LOAD RATING OF 22,500 LBS., NO EXCEPTIONS WILL BE PERMITTED. (POLYOLEFIN BLEND AND CONCRETE IS PROHIBITED) MINIMUM PULL BOX SIZE SHALL BE AS FOLLOWS:  
-TRAFFIC SIGNAL AND STREET LIGHTING 13" x 24"
  - B. PULL BOX COVERS SHALL BE POLYMER CONCRETE CONSTRUCTION, HAVE ANSI TIER RATING OF T22 AND DESIGN LOAD RATING OF 22,500 LBS., AND MARKED APPROPRIATELY, "TRAFFIC SIGNAL" OR "STREET LIGHTING", NO EXCEPTIONS WILL BE PERMITTED. (POLYOLEFIN BLEND AND STEEL IS PROHIBITED)  
-13" x 24" COVER - "TRAFFIC SIGNAL" OR "STREET LIGHTING"
- 639-1-122, 715-7-11
  - ELECTRICAL SERVICE SHALL BE 240/480 VAC - THREE WIRE.
  - A. ROADWAY STREET LIGHTING ELECTRIC SERVICE SHALL BE MOUNTED ON TWO (2) - FDOT TYPE P-II CONCRETE SERVICE POLES.
  - B. A MINIMUM 100 AMP 600 VAC RATED NEMA 3R NON-FUSIBLE SINGLE THROW SAFETY SWITCH DISCONNECT SHALL BE INSTALLED ON THE CONCRETE SERVICE POLES, ON THE LINESIDE OF THE METER SOCKET.

- C. ALL ROADWAY STREET LIGHTING ELECTRICAL SERVICES SHALL BE METERED. METER SOCKET SHALL BE A 200 AMP LEVER BYPASS NEMA 3R ALUMINUM ENCLOSURE RATED FOR OUTDOOR USE (MILBANK UAP951-X-0G-HSP). METER SOCKET SHALL BE INSTALLED ON THE LOAD SIDE OF SAFETY SWITCH DISCONNECT ON THE CONCRETE SERVICE POLES.
- D. A MINIMUM 100 AMP 600 VAC RATED NEMA 3R FUSIBLE SINGLE THROW SAFETY SWITCH DISCONNECT SHALL BE INSTALLED ON THE CONCRETE SERVICE POLES, ON THE LOADSIDE OF THE METER SOCKET.
- E. ROADWAY STREET LIGHTING LOAD CENTER ENCLOSURE CABINET SHALL BE INSTALLED ON THE CONCRETE SERVICE POLES.
- F. ROADWAY STREET LIGHTING LOAD CENTER ENCLOSURE CABINET SHALL BE STAINLESS STEEL NEMA 3R RAINPROOF ENCLOSURE AND APPROVED BY LEE COUNTY DOT TRAFFIC.
- G. ROADWAY STREET LIGHTING LOAD CENTER WITH NEEDED COMPONENTS:
  - i. SQUARE D NIGHT-MASTER LONG VERSION (8903-SQH63-V06)
  - ii. BUSSMANN FUSE BLOCK 3 POLE 30 AMP (R60030-3CR) ONE (1) PER EACH CIRCUIT (FOUR (4) CIRCUITS MAX PER LOAD CENTER)
  - iii. ONE (1) SQUARE D SPD 40KA 480V (SDSA3650) (MOUNTED INTERNALLY)
  - iv. ONE (1) GE LIGHTING PHOTOELECTRIC MOUNTING BRACKET (MB-PECTL-GE)
  - v. ONE (1) INTERMATIC 480VAC TWIST LOCK PHOTOCELL (LC4535LA) (PHOTO CELL SHALL BE MOUNTED EXTERNALLY ON TOP LEFT OF NIGHT-MASTER, WHEN FACING NIGHT-MASTER ACCESS DOOR)
- 715-500-1
  - A. TWO (2) BREAKAWAY FUSE HOLDERS WITH LINESIDE TERMINAL HAVING A CU DUAL SETSCREW AND THE LOADSIDE TERMINAL HAVING CU CRIMP CONNECTOR OR CU SINGLE SETSCREW FOR EACH LUMINAIRE AND SHALL BE LOCATED IN THE HAND HOLE COMPARTMENT OR T-BASE. FUSE HOLDERS ARE PROHIBITED FROM BEING INSTALLED IN PULL BOXES.
  - B. 240/480VAC SURGE ARRESTOR SHALL BE INSTALLED FOR EACH LUMINAIRE AND SHALL BE LOCATED IN THE HAND HOLE COMPARTMENT OR T-BASE. FUSE HOLDERS ARE PROHIBITED FROM BEING INSTALLED IN PULL BOXES.

<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td><b>PRELIMINARY NOT FOR CONSTRUCTION</b></td> <td></td> <td></td> </tr> <tr> <td>6/25/2023</td> <td>3:08:21 PM</td> <td></td> <td></td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION		<b>PRELIMINARY NOT FOR CONSTRUCTION</b>			6/25/2023	3:08:21 PM			<p>Michael Saludares Manzano, P.E. P.E. License Number 64704 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442</p>	<p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 739</td> <td>LEE</td> <td>431334-2-52-01</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 739	LEE	431334-2-52-01	<p>SHEET NO. L-3</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																					
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>																							
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**TABULATION OF QUANTITIES**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL			
			L-15		L-16		L-17								PLAN	FINAL	PLAN	FINAL		
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL												
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	698		865		41										1604		7098	
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	356		163												519		2126	
0635 2 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	9		8		1										18		83	
0639 1122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS			1												1		1	
0641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA			1												1		1	
0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8-6	LF	3762		3468		195										7425		33024	
0715 1 13	LIGHTING CONDUCTORS, F&I, INSULATED, NO.4-2	LF			120												120		120	
0715 11211	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, COBRA HEAD	EA			2		5										7		19	
0715 61300	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT, 0' ARM LENGTH	EA	5		2		1										8		30	
0715 62300	LIGHT POLE COMPLETE, F&I, STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT, 0' ARM LENGTH	EA	2		3												5		32	
0715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA			1												1		1	
0715500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	7		5		1										13		62	

**PAY ITEMS NOTES**

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  - B. A MINIMUM 100 AMP 600 VAC RATED NEMA 3R NON-FUSIBLE SINGLE THROW SAFETY SWITCH DISCONNECT SHALL BE INSTALLED ON THE CONCRETE SERVICE POLES, ON THE LINESIDE OF THE METER SOCKET.

- C. ALL ROADWAY STREET LIGHTING ELECTRICAL SERVICES SHALL BE METERED. METER SOCKET SHALL BE A 200 AMP LEVER BYPASS NEMA 3R ALUMINUM ENCLOSURE RATED FOR OUTDOOR USE (MILBANK UAP951-X-0G-HSP). METER SOCKET SHALL BE INSTALLED ON THE LOAD SIDE OF SAFETY SWITCH DISCONNECT ON THE CONCRETE SERVICE POLES.
- D. A MINIMUM 100 AMP 600 VAC RATED NEMA 3R FUSIBLE SINGLE THROW SAFETY SWITCH DISCONNECT SHALL BE INSTALLED ON THE CONCRETE SERVICE POLES, ON THE LOADSIDE OF THE METER SOCKET.
- E. ROADWAY STREET LIGHTING LOAD CENTER ENCLOSURE CABINET SHALL BE INSTALLED ON THE CONCRETE SERVICE POLES.
- F. ROADWAY STREET LIGHTING LOAD CENTER ENCLOSURE CABINET SHALL BE STAINLESS STEEL NEMA 3R RAINPROOF ENCLOSURE AND APPROVED BY LEE COUNTY DOT TRAFFIC.
- G. ROADWAY STREET LIGHTING LOAD CENTER WITH NEEDED COMPONENTS:
  - i. SQUARE D NIGHT-MASTER LONG VERSION (8903-SQH63-V06)
  - ii. BUSSMANN FUSE BLOCK 3 POLE 30 AMP (R60030-3CR) ONE (1) PER EACH CIRCUIT (FOUR (4) CIRCUITS MAX PER LOAD CENTER)
  - iii. ONE (1) SQUARE D SPD 40KA 480V (SDSA3650) (MOUNTED INTERNALLY)
  - iv. ONE (1) GE LIGHTING PHOTOELECTRIC MOUNTING BRACKET (MB-PECTL-GE)
  - v. ONE (1) INTERMATIC 480VAC TWIST LOCK PHOTOCELL (LC4535LA) (PHOTO CELL SHALL BE MOUNTED EXTERNALLY ON TOP LEFT OF NIGHT-MASTER, WHEN FACING NIGHT-MASTER ACCESS DOOR)
- 715-500-1
  - A. TWO (2) BREAKAWAY FUSE HOLDERS WITH LINESIDE TERMINAL HAVING A CU DUAL SETSCREW AND THE LOADSIDE TERMINAL HAVING CU CRIMP CONNECTOR OR CU SINGLE SETSCREW FOR EACH LUMINAIRE AND SHALL BE LOCATED IN THE HAND HOLE COMPARTMENT OR T-BASE. FUSE HOLDERS ARE PROHIBITED FROM BEING INSTALLED IN PULL BOXES.
  - B. 240/480VAC SURGE ARRESTOR SHALL BE INSTALLED FOR EACH LUMINAIRE AND SHALL BE LOCATED IN THE HAND HOLE COMPARTMENT OR T-BASE. FUSE HOLDERS ARE PROHIBITED FROM BEING INSTALLED IN PULL BOXES.

<p align="center"><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td align="center"><b>PRELIMINARY NOT FOR CONSTRUCTION</b></td> <td></td> <td></td> </tr> <tr> <td>6/25/2023</td> <td>3:08:22 PM</td> <td></td> <td></td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION		<b>PRELIMINARY NOT FOR CONSTRUCTION</b>			6/25/2023	3:08:22 PM			<p>Michael Saludares Manzano, P.E. P.E. License Number 64704 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442</p>	<p align="center"><b>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</b></p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 739</td> <td>LEE</td> <td>431334-2-52-01</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 739	LEE	431334-2-52-01	<p align="center"><b>TABULATION OF QUANTITIES</b></p>	<p>SHEET NO. <b>L-4</b></p>
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

**GENERAL NOTES**

- FOR REMOVED LIGHTING EQUIPMENT CLAIMED BY THE MAINTAINING AGENCY, CONTACT MICHAEL PADGETT AT (239) 533-9500.
- THE CONTRACTOR SHALL CONTACT THE MAINTAINING AGENCY, LEE COUNTY AT (239) 533-9500, FOR THE ASSIGNMENT OF THE LOAD CENTER PHYSICAL ADDRESS ONCE THE SERVICE DROP LOCATION HAS BEEN ESTABLISHED. NOTIFY THE MAINTAINING AGENCY ONCE A PHYSICAL LOCATION IS ESTABLISHED FOR THE METER. THE MAINTAINING AGENCY SHALL THEN APPLY FOR A PHYSICAL ADDRESS FOR THE NEW METER BEFORE IT IS PLACED INTO SERVICE.
- AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE LIGHTING INSTALLATION, CONTACT THE LIGHTING INSPECTOR/LIASON:  
FLORIDA DEPARTMENT OF TRANSPORTATION  
FORT MYERS OPERATIONS CENTER  
2981 NE PINE ISLAND ROAD  
CAPE CORAL, FL 33909  
(941) 656-7800
- WHERE POLE, DISCONNECT, OR ANY OTHER LIGHTING EQUIPMENT REQUIRING FOUNDATIONS ARE PROPOSED WITHIN 4' OF ANY UNDERGROUND UTILITY, THE UTILITY SHALL BE LOCATED AND PROTECTED AND THE INITIAL 5 FEET OF THE SHAFT INSTALLATION SHALL BE HAND DUG.
- THE CONTRACTOR IS RESPONSIBLE TO APPLY FOR THE SERVICE CONNECTION AT THE LOAD CENTER AND TO PAY FOR THE SERVICE CONNECTION FEES CHARGED BY THE LOCAL POWER COMPANY.
- IT HAS BEEN THE EXPERIENCE OF THE DEPARTMENT, WITH PROJECTS CONSTRUCTED IN THIS GEOGRAPHIC AREA, THAT ALTHOUGH PRELIMINARY BORINGS DID NOT INDICATE A CONSTANT PRESENCE OF ROCK, ROCK WAS ENCOUNTERED WHILE PERFORMING UNDERGROUND INSTALLATIONS. THEREFORE, THE CONTRACTOR SHOULD CONSIDER THE INCREASED COST OF ALL UNDERGROUND WORK ACTIVITIES WHILE PREPARING THEIR BID. ALL COSTS OF ROCK EXCAVATION SHALL BE INCLUDED IN THE APPROPRIATE ITEMS OF WORK CONTAINED WITHIN THE CONTRACT. NO EXTRA COMPENSATION OR TIME EXTENSION WILL BE ALLOWED FOR ADDITIONAL WORK DIRECTLY ASSOCIATED WITH THE SPLITTING, EXCAVATION, CRUSHING, DISPOSAL, REPLACEMENT, OR DISPLACED VOLUME OF EXTRACTED ROCK WITH FILL MATERIAL OR SPECIAL HANDLING OF ROCK.
- AT ANY LOCATION WHERE A LIGHT POLE IS TO BE PLACED WITHIN THE SIDEWALK LIMITS, THE TOP OF THE LIGHT POLE FOUNDATION MUST BE MADE FLUSH WITH THE SIDEWALK SURFACE.
- PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL EQUIPMENT SPECIFICATION OR DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THE PROJECT. ALL SUBMITTALS SHALL BE SENT TO LEE COUNTY DOT TRAFFIC VIA LCDOTPROJECTS@LEEGOV.COM FOR REVIEW AND APPROVAL PRIOR TO ORDERING. THESE MUST SPECIFICALLY INCLUDE: A. LUMINAIRE PHOTOMETRICS B. POLE STRENGTH CALCULATIONS AND POLE SHOP DRAWINGS FOR PAY ITEMS 715-511-140 AND 715-512-140 C. POLE FRANGIBILITY TEST D. ANCHOR BOLT DESIGN CALCULATIONS AND SHOP DRAWINGS E. DISTRIBUTION POINT ELECTRICAL EQUIPMENT
- SPECIFICATIONS: ADHERE TO REQUIREMENTS IN "LEE COUNTY DEPARTMENT OF TRANSPORTATION PLAN SPECIFICATIONS FOR SIGNAL & STREET LIGHTING", JANUARY 2023. CONTACT LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT) FOR ANY QUESTIONS REGARDING EQUIPMENT OR INSTALLATION REQUIREMENTS. FOLLOW THE FDOT GOVERNING STANDARDS AND SPECIFICATIONS FOR ALL ITEMS NOT COVERED BY LEE COUNTY SPECIFICATIONS.
- NOTIFICATIONS: PRIOR TO THE START OF ANY CONSTRUCTION OF TRAFFIC SIGNALS, STREET LIGHTING, RRFBS, FLASHERS, SCHOOL FLASHERS, AND ITS DEVICES, LEE COUNTY DOT TRAFFIC SHALL BE NOTIFIED VIA EMAIL LCDOTPROJECTS@LEEGOV.COM AT LEAST TEN (10) BUSINESS DAYS PRIOR.
- FOR RAILROAD REQUIREMENTS WHEN WORKING NEAR OR WITHIN RAILROAD RIGHT-OF-WAY, SEE SHEET 24 IN THE ROADWAY PLANS.

**CONVENTIONAL LIGHTING MAJOR ARTERIAL CRITERIA:**

Horizontal Average Initial Intensity	1.5 Foot Candles (Major Arterials)
Uniformity Ratio Avg./Min.	4:1 Or Less
Max./Min.	10:1 Or Less
Veiling Luminance Ratio	0.3:1 Or Less
Design Wind Speed	160 MPH (Lee County)

**SIGNALIZED INTERSECTION NEW CONSTRUCTION LIGHTING CRITERIA:**

Horizontal Average Initial Intensity	3.0 Foot Candles (1.5 Min.)
Uniformity Ratio Avg./Min.	4:1 Or Less
Max./Min.	10:1 Or Less
Vertical Average Initial Intensity	1.5 Foot Candles (1.2 Min.)

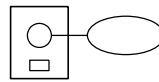
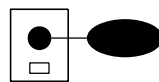
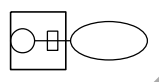
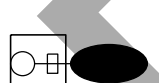

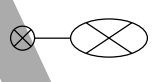


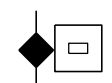
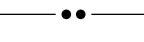
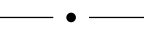
**MINIMUM MOUNTING HEIGHTS BASED ON MAXIMUM CANDELA**

Minimum Mounting Height	Maximum Candela of Luminaire
40'	30,000 (Medium Distribution)
40'	35,000 (Short Distribution)

**CORRELATED COLOR TEMPERATURE (CCT)**

Design Speed	Context	CCT
45 mph	All	3000K

**LEGEND**

-  Proposed light pole with 255 watt light-emitting diode (LED) luminaire. Designed for Type II (20,401 maximum candela), medium distribution, B4-U0-G4, 3000K CCT and wired for 480 volt operation. Aluminum pole with 0° tilt, 40 ft. mounting height, and pole-top orientation. Use Holophane Mongoose Medium, P7 Performance Package, 3000K, Wide Roadway (ISF 192228HP19). Symbol includes pole, mount, fixture, standard foundation, slab, pull box, and pole cable distribution system. Part Number: MGLEDM P7 30K XXXXX WR or equal.  
635-2-11    715-61-300    715-500-1
-  Proposed light pole with 255 watt light-emitting diode (LED) luminaire. Designed for Type IV (19,555 maximum candela), short distribution, B3-U0-G5, 3000K CCT and wired for 480 volt operation. Aluminum pole with 0° tilt, 40 ft. mounting height, and pole-top orientation. Use Holophane Mongoose Medium, P7 Performance Package, 3000K, Forward Throw (Type 4) (ISF 192392HP19). Symbol includes pole, mount, fixture, standard foundation, slab, pull box, and pole cable distribution system. Part Number: MGLEDM P7 30K XXXXX FT or equal.  
635-2-11    715-61-300    715-500-1
-  Proposed light pole with 255 watt light-emitting diode (LED) luminaire. Designed for Type II (20,401 maximum candela), medium distribution, B4-U0-G4, 3000K CCT and wired for 480 volt operation. Aluminum pole with 0° tilt, 40 ft. mounting height, and pole-top orientation. Use Holophane Mongoose Medium, P7 Performance Package, 3000K, Wide Roadway (ISF 192228HP19). Symbol includes pole, mount, fixture, special foundation, slab, pull box, and pole cable distribution system. Slab dimensions altered to allow pole to abut gravity wall (see special details). Part Number: MGLEDM P7 30K XXXXX WR or equal.  
635-2-11    715-62-300    715-500-1
-  Proposed light pole with 255 watt light-emitting diode (LED) luminaire. Designed for Type IV (19,555 maximum candela), short distribution, B3-U0-G5, 3000K CCT and wired for 480 volt operation. Aluminum pole with 0° tilt, 40 ft. mounting height, and pole-top orientation. Use Holophane Mongoose Medium, P7 Performance Package, 3000K, Forward Throw (Type 4) (ISF 192392HP19). Symbol includes pole, mount, fixture, special foundation, slab, pull box, and pole cable distribution system. Slab dimensions altered to allow pole to abut gravity wall (see special details). Part Number: MGLEDM P7 30K XXXXX FT or equal.  
635-2-11    715-62-300    715-500-1
-  Replace luminaire on existing light pole with 255 watt light-emitting diode (LED) luminaire. Designed for Type II (20,401 maximum candela), medium, B4-U0-G4, 3000K CCT and wired for 480 volt operation. 0° tilt, 40 ft. mounting height, and pole-top orientation. Use Holophane Mongoose Medium, P7 Performance Package, 3000K, Wide Roadway (ISF 192228HP19). Part Number: MGLEDM P7 30K XXXXX WR or equal.  
715-11-211
-  Replace luminaire on existing light pole with 255 watt light-emitting diode (LED) luminaire. Designed for Type IV (19,555 maximum candela), short, B3-U0-G5, 3000K CCT and wired for 480 volt operation. 0° tilt, 40 ft. mounting height, and pole-top orientation. Use Holophane Mongoose Medium, P7 Performance Package, 3000K, Forward Throw (Type 4) (ISF 192392HP19). Part Number: MGLEDM P7 30K XXXXX FT or equal.  
715-11-211
-  Lighting pull box with concrete slab.  
635-2-11
-  Proposed lighting load center with pull box and slab, 240/480 volts, single phase, three-wires. For details see sheet L-28 and Index 639-001 of the standard plans.  
635-2-11    639-1-122    641-2-12    715-7-11
-  Proposed service point with pull box and slab.  
635-2-11
-  2" directional bore conduit (includes spare) with conductors as shown in lighting plans.  
635-2-12    715-1-12
-  2" open trench conduit with conductors as shown in lighting plans.  
635-2-11    715-1-12    715-1-13

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<b>PRELIMINARY NOT FOR CONSTRUCTION</b>		ROAD NO. COUNTY FINANCIAL PROJECT ID SR 739 LEE 431334-2-52-01		MManzano 6/25/2023 3:08:23 PM Default	\\ces-file\Trans\Projects\1301000\4313342520\lighting\GNNTLT01.dgn												

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POLE DATA

POLE NO.	CIRCUIT	STATION	DIST.	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
☐ CONST. SR 739							
1001	A-1	1235+21	WIDE	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1002	A-1	1236+87	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1003	A-1	1238+10	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1004	A-1	1239+52	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1005	A-1	1240+89	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1006	A-1	1242+23	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1007	A-1	1243+66	FORWARD	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1008	A-1	1245+11	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1009	A-1	1246+79	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1010	A-1	1248+42	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1011	A-1	1249+96	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1012	A-1	1250+88	WIDE	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1013	A-1	1250+88	WIDE	255W	40'	4.5' BEHIND BACK OF CURB	715-61-300
1014	A-1	1251+32	FORWARD	255W	40'	8' BEHIND BACK OF CURB	715-61-300
1015	A-1	1251+46	WIDE	255W	40'	5.5' BEHIND BACK OF CURB	715-61-300
1016	A-3	1252+92	WIDE	255W	40'	18.5' BEHIND SEPARATOR FACE	715-61-300
1017	A-2	1253+05	FORWARD	255W	40'	8' BEHIND BACK OF CURB	715-61-300
1018	A-2	1253+34	WIDE	255W	40'	AT BACK OF SIDEWALK	715-61-300
1019	A-3	1253+54	WIDE	255W	40'	5.5' BEHIND SEPARATOR FACE	715-61-300
1020	A-3	1254+07	FORWARD	255W	40'	AT BACK OF SIDEWALK	715-61-300
1021	A-2	1254+88	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1022	A-3	1255+92	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1023	A-2	1256+35	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1024	A-3	1256+96	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1025	A-3	1258+22	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1026	A-2	1258+27	FORWARD	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1027	A-3	1259+22	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1028	A-2	1259+33	FORWARD	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1029	A-3	1260+15	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1030	A-2	1260+34	FORWARD	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1031	A-3	1261+04	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1032	A-2	1261+77	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1033	A-3	1262+80	WIDE	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1034	A-2	1263+52	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1035	A-3	1264+81	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1036	A-2	1266+01	WIDE	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1037	A-3	1266+49	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1038	A-3	1267+86	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1039	A-2	1268+25	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1040	A-3	1269+74	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1041	A-2	1270+57	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1042	A-3	1271+68	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1043	A-2	1272+81	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1044	A-3	1274+05	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1045	A-2	1275+09	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1046	A-3	1276+08	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1047	A-2	1276+76	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300

POLE NO.	CIRCUIT	STATION	DIST.	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
☐ CONST. SR 739							
1048	A-3	1277+55	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1049	A-2	1278+44	WIDE	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
☐ SURVEY DANIELS PKWY.							
1050	A-2	156+38	WIDE	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1051	A-1	156+55	WIDE	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1052	A-1	157+89	WIDE	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1053	A-2	158+11	WIDE	255W	40'	AT BACK OF SIDEWALK	715-61-300
1054	A-1	159+26	WIDE	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1055	A-2	159+83	WIDE	255W	40'	AT BACK OF SIDEWALK	715-61-300
1056	A-1	160+19	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1057	A-3	163+65	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1058	A-3	164+03	WIDE	255W	40'	AT BACK OF SIDEWALK	715-61-300
1059	A-4	165+16	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
1060	A-4	166+75	FORWARD	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1061	A-4	168+56	FORWARD	255W	40'	AT FACE OF GRAVITY WALL	715-62-300
1062	A-4	170+38	FORWARD	255W	40'	BEHIND BACK OF SIDEWALK	715-61-300
☐ CONST. SR 739							
1101	EXIST.	1233+05	WIDE	255W	40'	EXIST. POLE	715-5-21
1102	EXIST.	1234+52	WIDE	255W	40'	EXIST. POLE	715-5-21
1103	EXIST.	1236+04	WIDE	255W	40'	EXIST. POLE	715-5-21
1104	EXIST.	1237+58	WIDE	255W	40'	EXIST. POLE	715-5-21
1105	EXIST.	1238+63	WIDE	255W	40'	EXIST. POLE	715-5-21
1106	EXIST.	1240+13	WIDE	255W	40'	EXIST. POLE	715-5-21
1107	EXIST.	1241+64	WIDE	255W	40'	EXIST. POLE	715-5-21
1108	EXIST.	1242+80	WIDE	255W	40'	EXIST. POLE	715-5-21
1109	EXIST.	1244+31	FORWARD	255W	40'	EXIST. POLE	715-5-21
1110	EXIST.	1246+17	FORWARD	255W	40'	EXIST. POLE	715-5-21
1111	EXIST.	1247+70	FORWARD	255W	40'	EXIST. POLE	715-5-21
1112	EXIST.	1249+15	FORWARD	255W	40'	EXIST. POLE	715-5-21
☐ SURVEY DANIELS PKWY.							
1113	EXIST.	166+21	WIDE	255W	40'	EXIST. POLE	715-5-21
1114	EXIST.	168+82	WIDE	255W	40'	EXIST. POLE	715-5-21
1115	EXIST.	171+45	WIDE	255W	40'	EXIST. POLE	715-5-21
1116	EXIST.	172+40	FORWARD	255W	40'	EXIST. POLE	715-5-21
1117	EXIST.	173+51	WIDE	255W	40'	EXIST. POLE	715-5-21
1118	EXIST.	174+59	FORWARD	255W	40'	EXIST. POLE	715-5-21
1119	EXIST.	175+82	FORWARD	255W	40'	EXIST. POLE	715-5-21

REVISIONS				Michael Saldares Manzano, P.E. P.E. License Number 64704 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  <b>POLE DATA</b>  L-6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>				SR 739	LEE	431334-2-52-01	

MManzano 6/25/2023 3:08:25 PM 6/25/2023 3:08:25 PM Default \\ces-file\Trans\Projects\1301000\4313342520\lighting\PLDTLT01.dgn

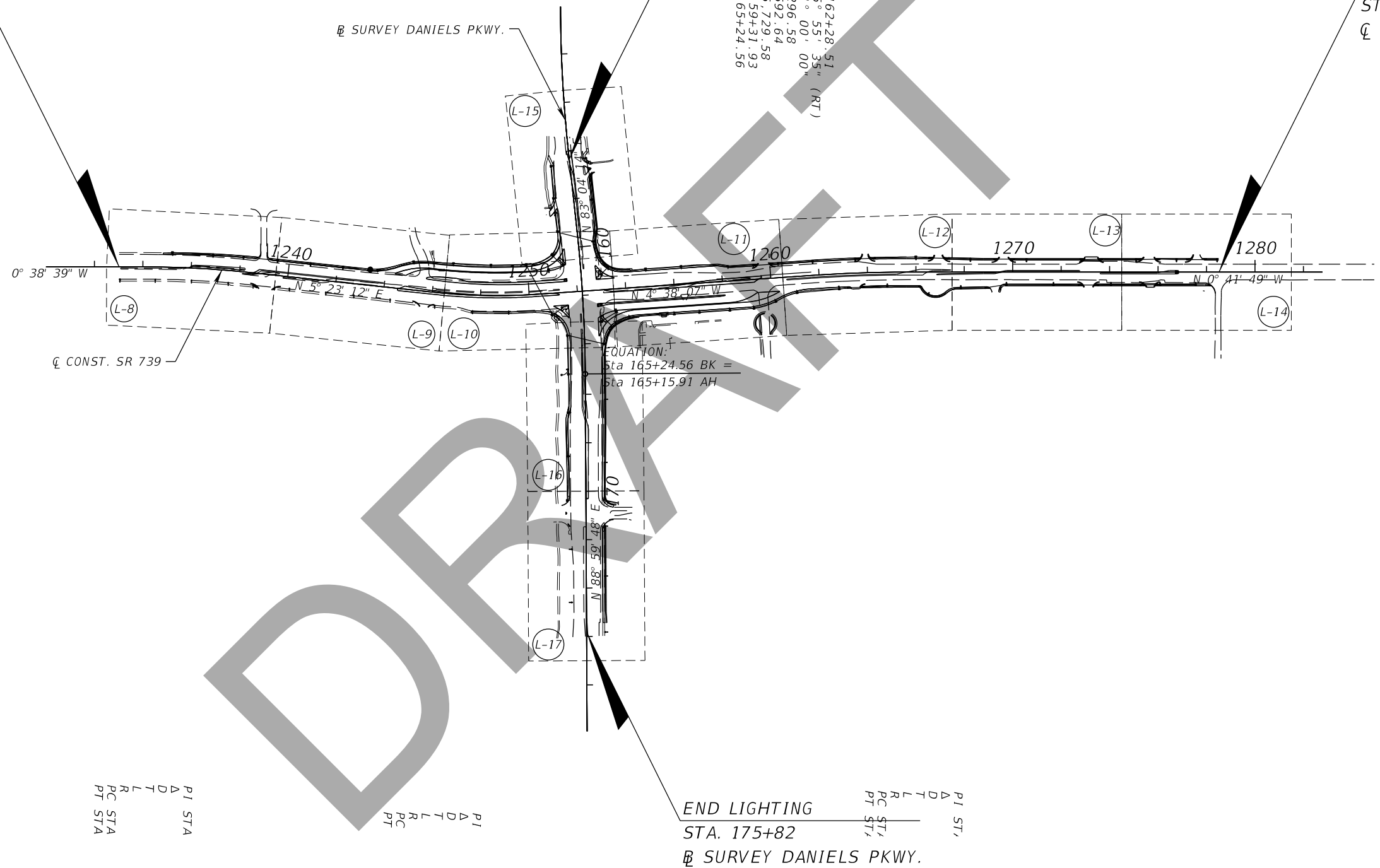
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BEGIN LIGHTING  
 STA. 1233+05  
 CL CONST. SR 739

BEGIN LIGHTING  
 STA. 156+35  
 CL SURVEY DANIELS PKWY.  
 = = = = =  
 = 162+28.51  
 = 5° 55' 35" (RT)  
 = 1.00, 00'  
 = 296.58  
 = 592.64  
 = 5729.64  
 = 159+31.93  
 = 165+24.56

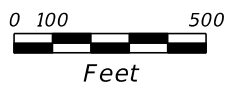
END LIGHTING  
 STA. 1278+47  
 CL CONST. SR 739



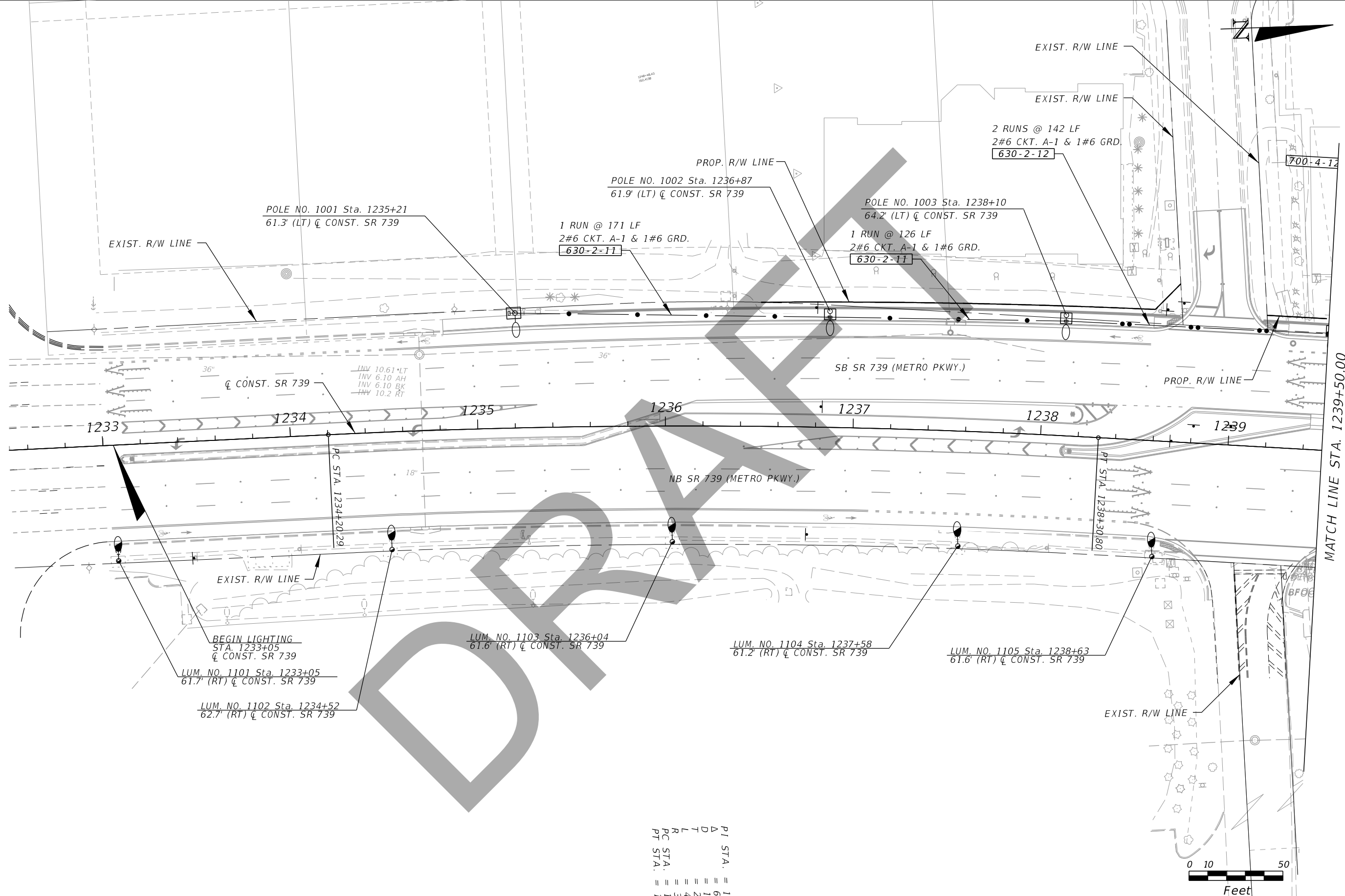
P1 STA  
 Δ D  
 T L  
 R  
 PC STA  
 PT STA

P1  
 Δ D  
 T L  
 R  
 PC  
 PT

END LIGHTING  
 STA. 175+82  
 CL SURVEY DANIELS PKWY.  
 P1 ST,  
 Δ D  
 T L  
 R  
 PC ST,  
 PT ST,



REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT	SHEET NO. L-7
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>			SR 739	LEE	431334-2-52-01		
Michael Saldares Manzano, P.E. P.E. License Number 64704 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442								



PI STA.	= 1233+00
Δ	= 6
D	= 1
T	= 1
L	= 2
R	= 3
PC STA.	= 1234+20.29
PT STA.	= 1238+30.80

REVISIONS	
DATE	DESCRIPTION
	<b>PRELIMINARY</b>
	<b>NOT FOR CONSTRUCTION</b>
6/25/2023	3:08:31 PM

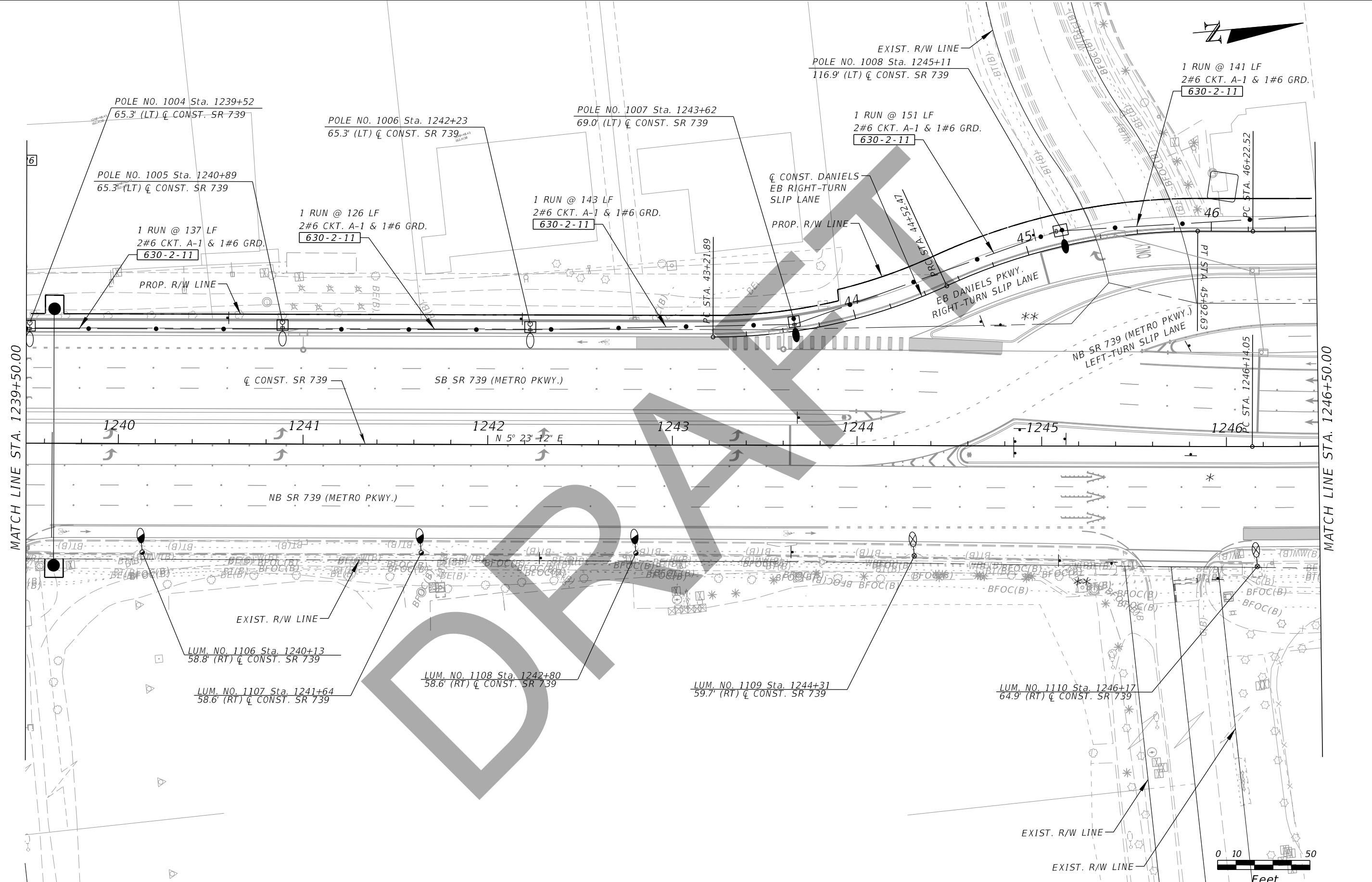
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P.E. License Number 64704  
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Orlando, FL 32801-3442

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**LIGHTING PLAN**

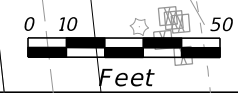
SHEET NO.  
L-8

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MATCH LINE STA. 1239+50.00

MATCH LINE STA. 1246+50.00



REVISIONS	
DATE	DESCRIPTION
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6/25/2023	3:08:32 PM

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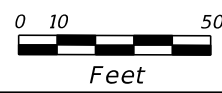
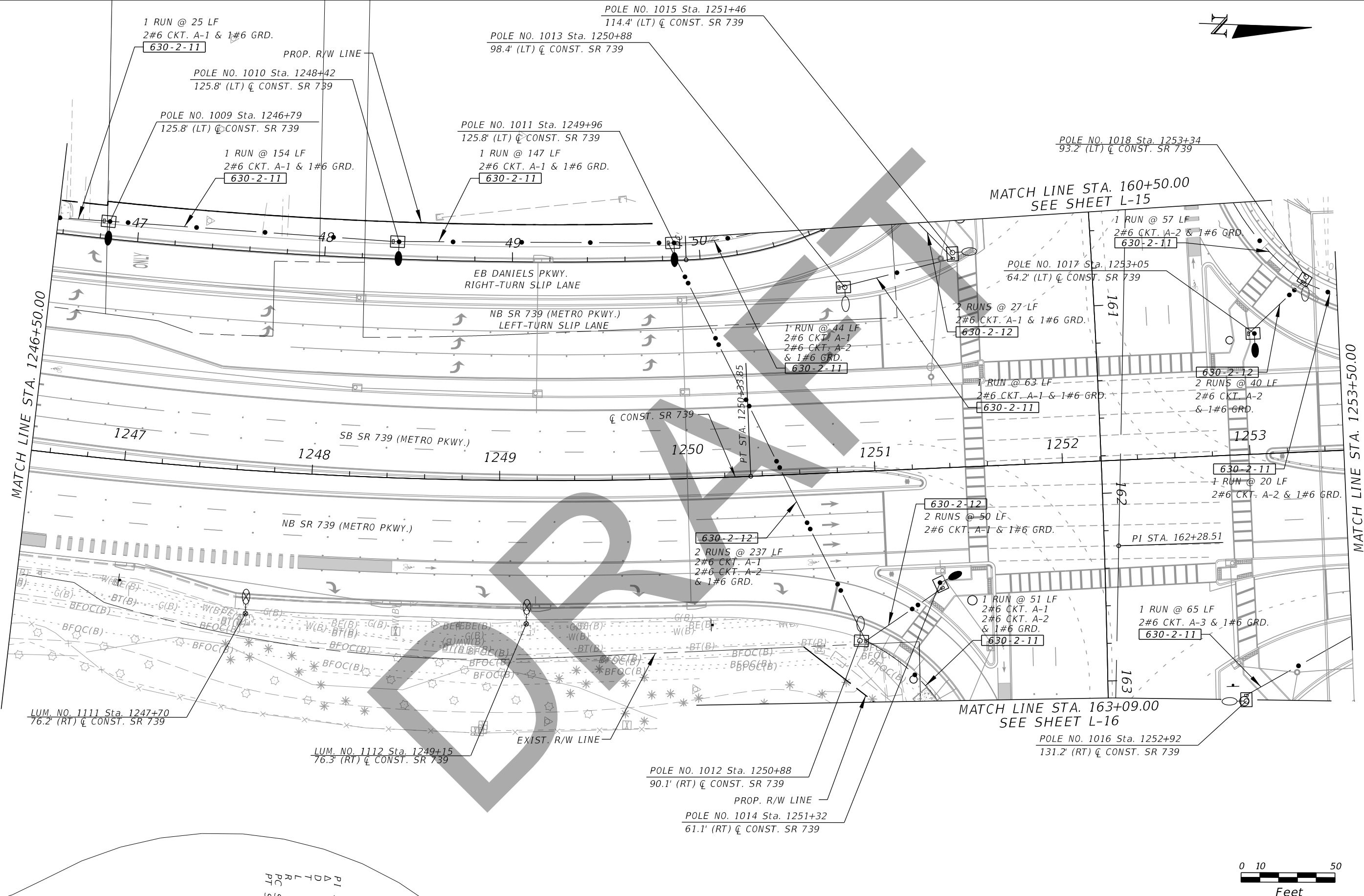
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

LIGHTING PLAN

SHEET NO.  
L-9

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REVISIONS	
DATE	DESCRIPTION

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**NOT FOR CONSTRUCTION**

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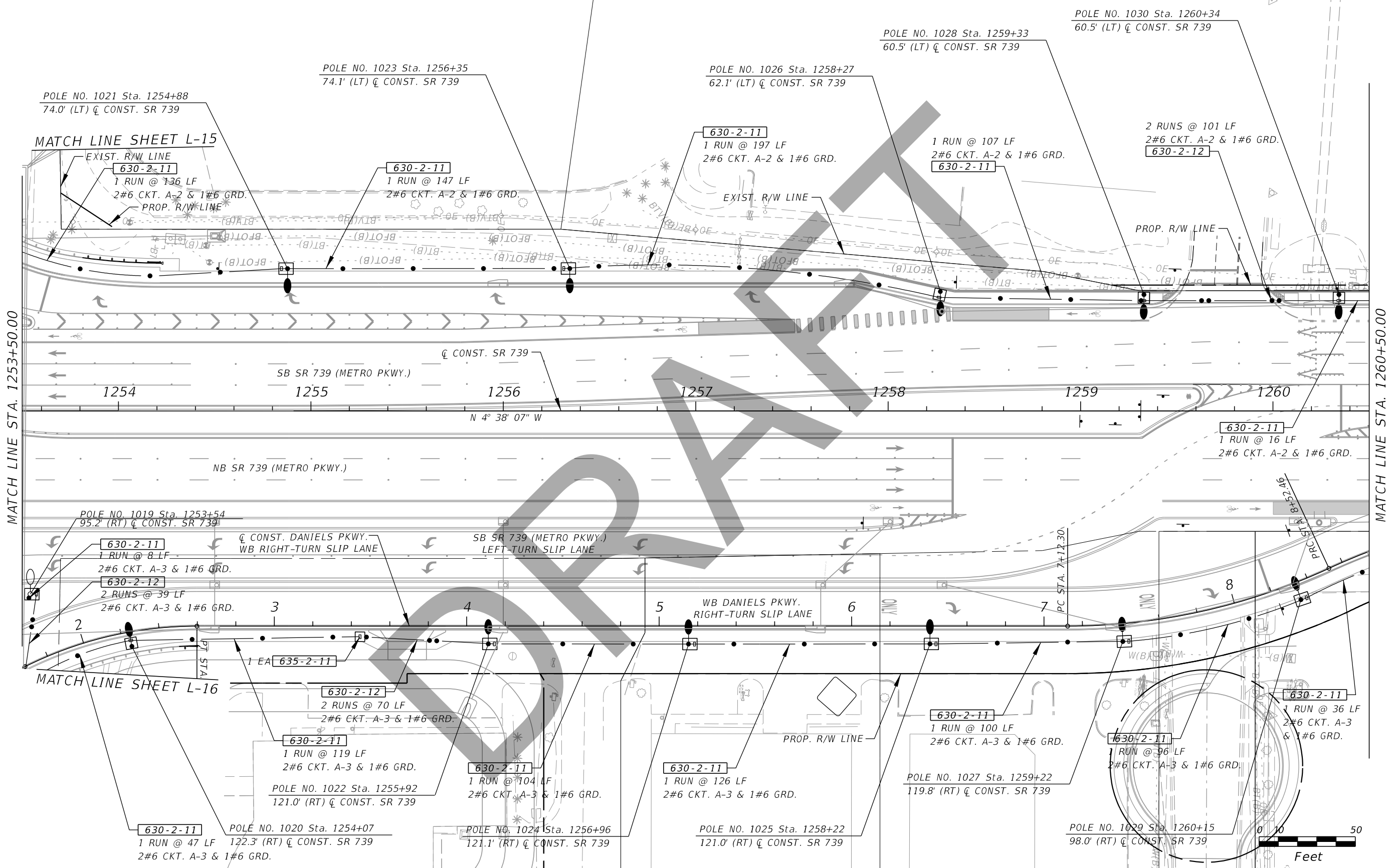
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**LIGHTING PLAN**

SHEET NO.  
L-10

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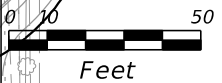


MATCH LINE STA. 1253+50.00

MATCH LINE STA. 1260+50.00

MATCH LINE SHEET L-15

MATCH LINE SHEET L-16



REVISIONS	
DATE	DESCRIPTION

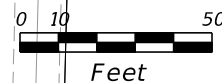
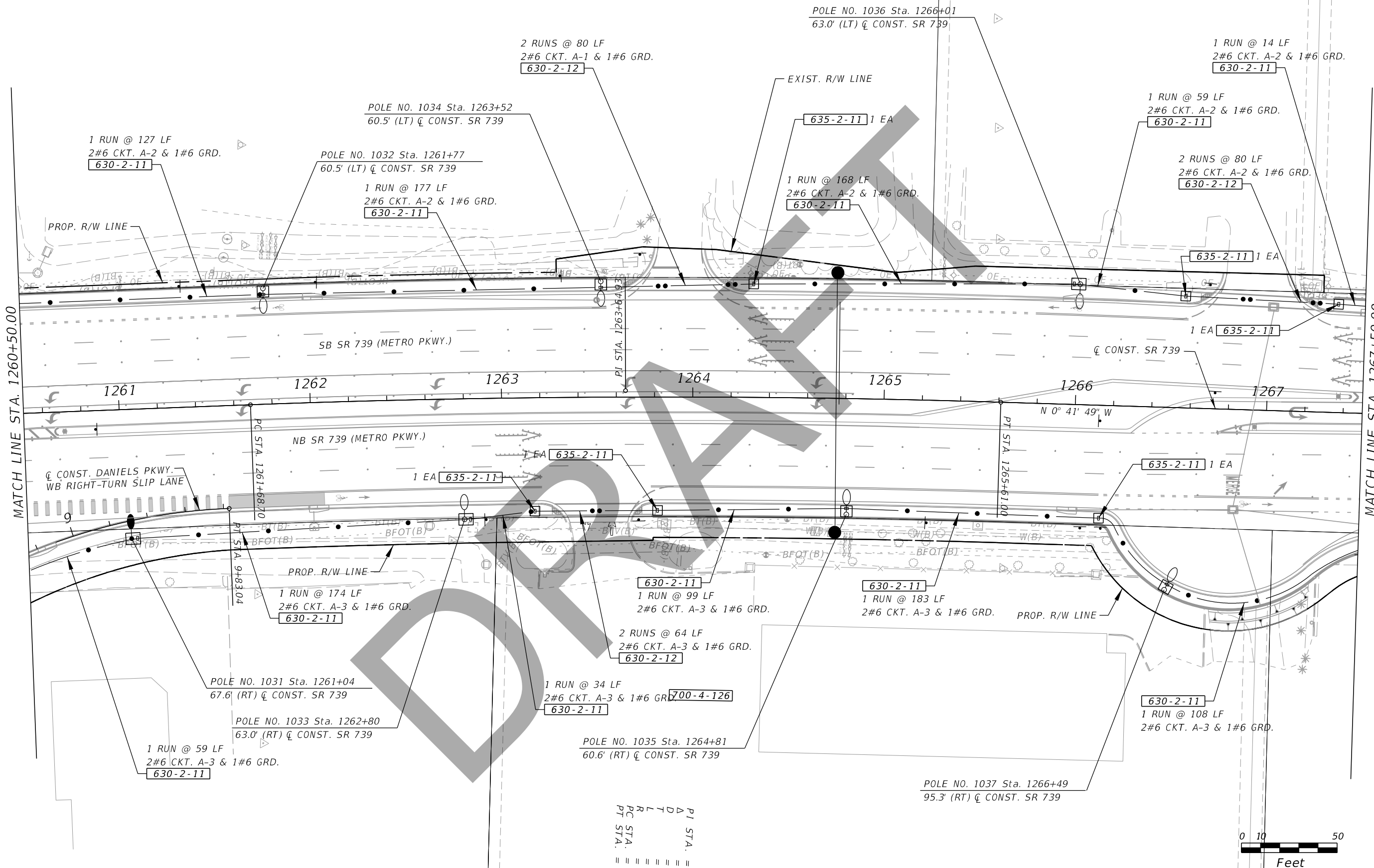
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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**LIGHTING PLAN**

SHEET NO.  
L-11

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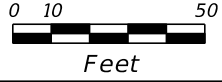
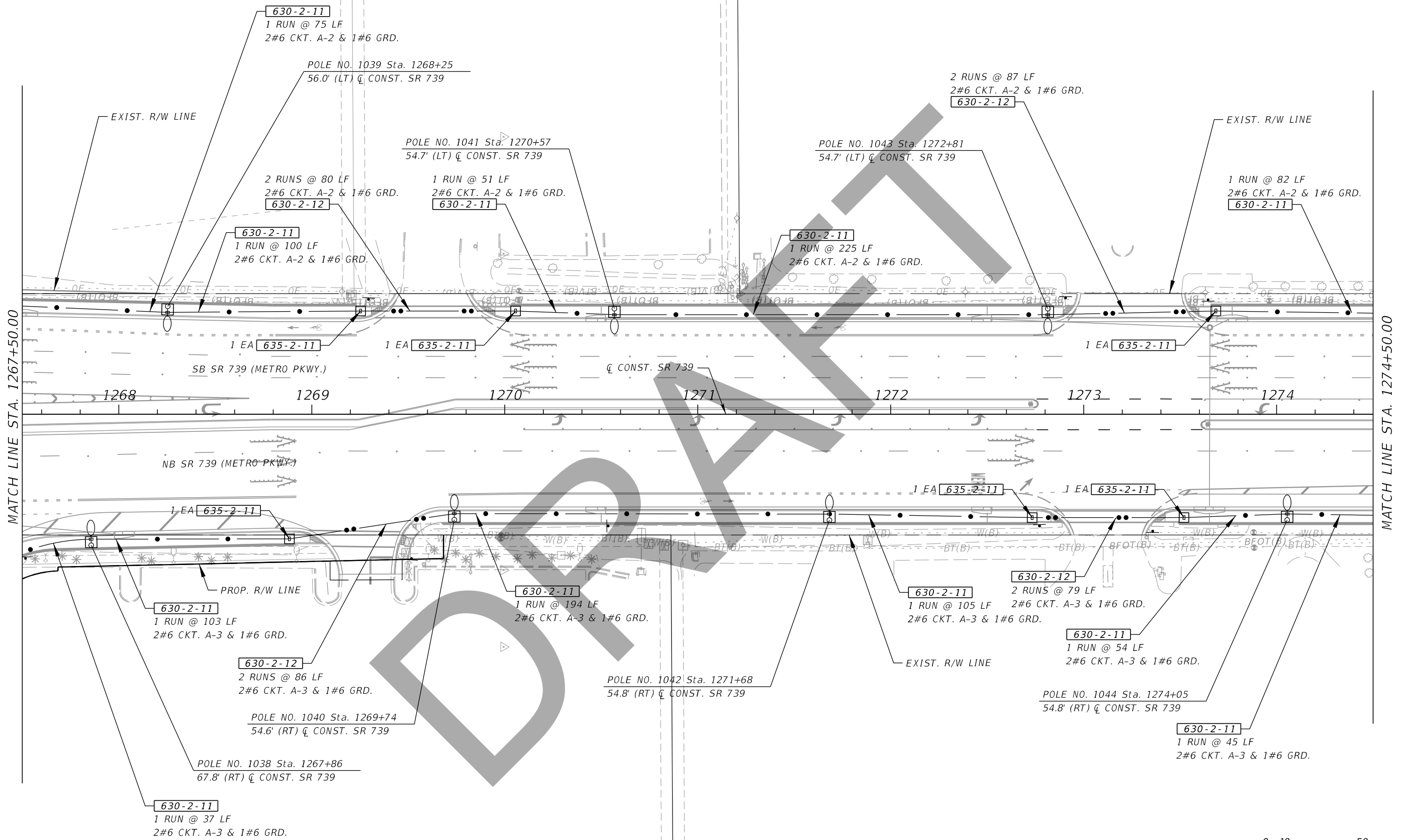
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P.E. License Number 64704  
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**LIGHTING PLAN**

SHEET NO.  
L-12

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REVISIONS	
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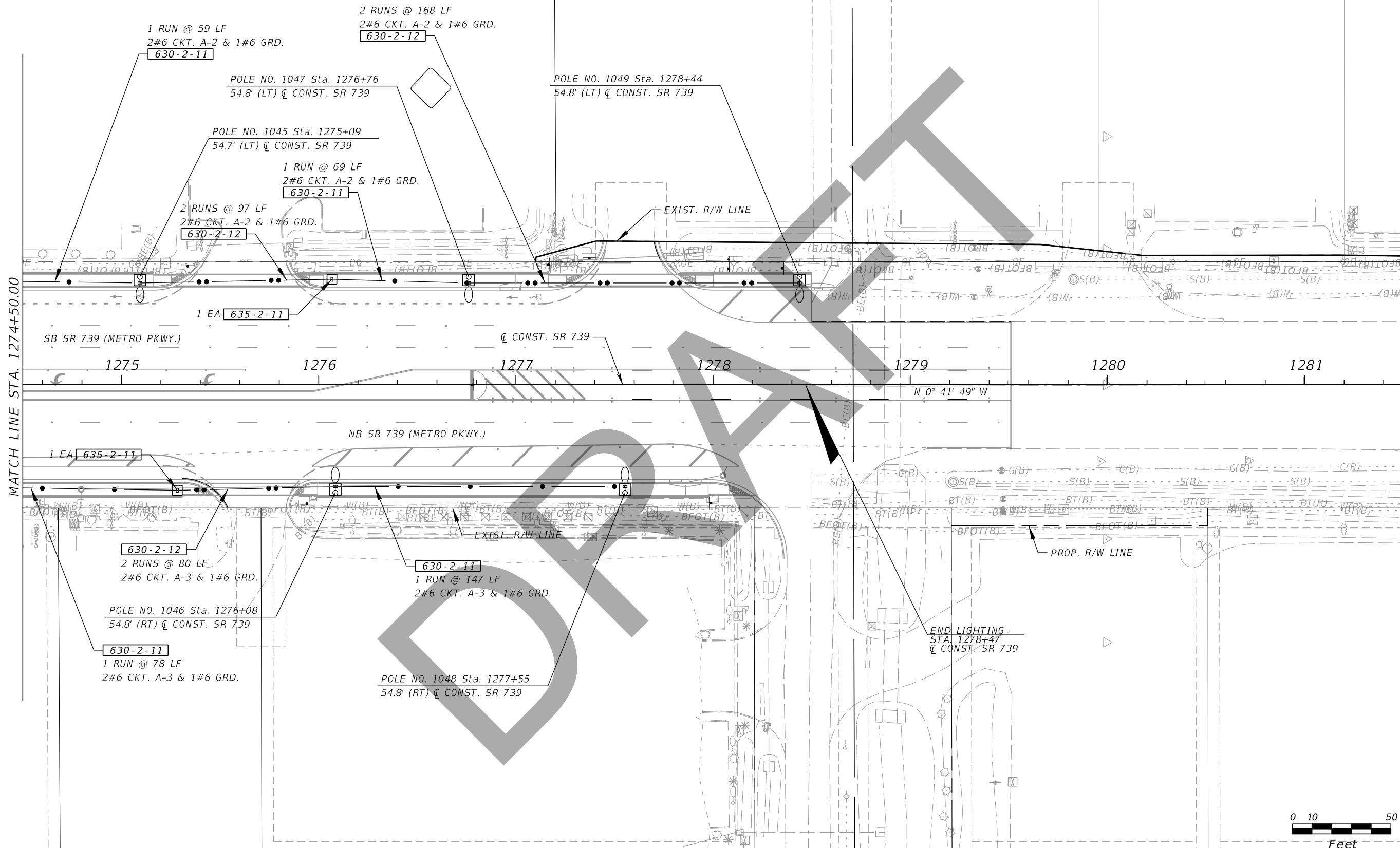
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 P.E. License Number 64704  
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**LIGHTING PLAN**

SHEET NO.  
**L-13**

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MATCH LINE STA. 1274+50.00



REVISIONS	
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6/25/2023	3:08:41 PM

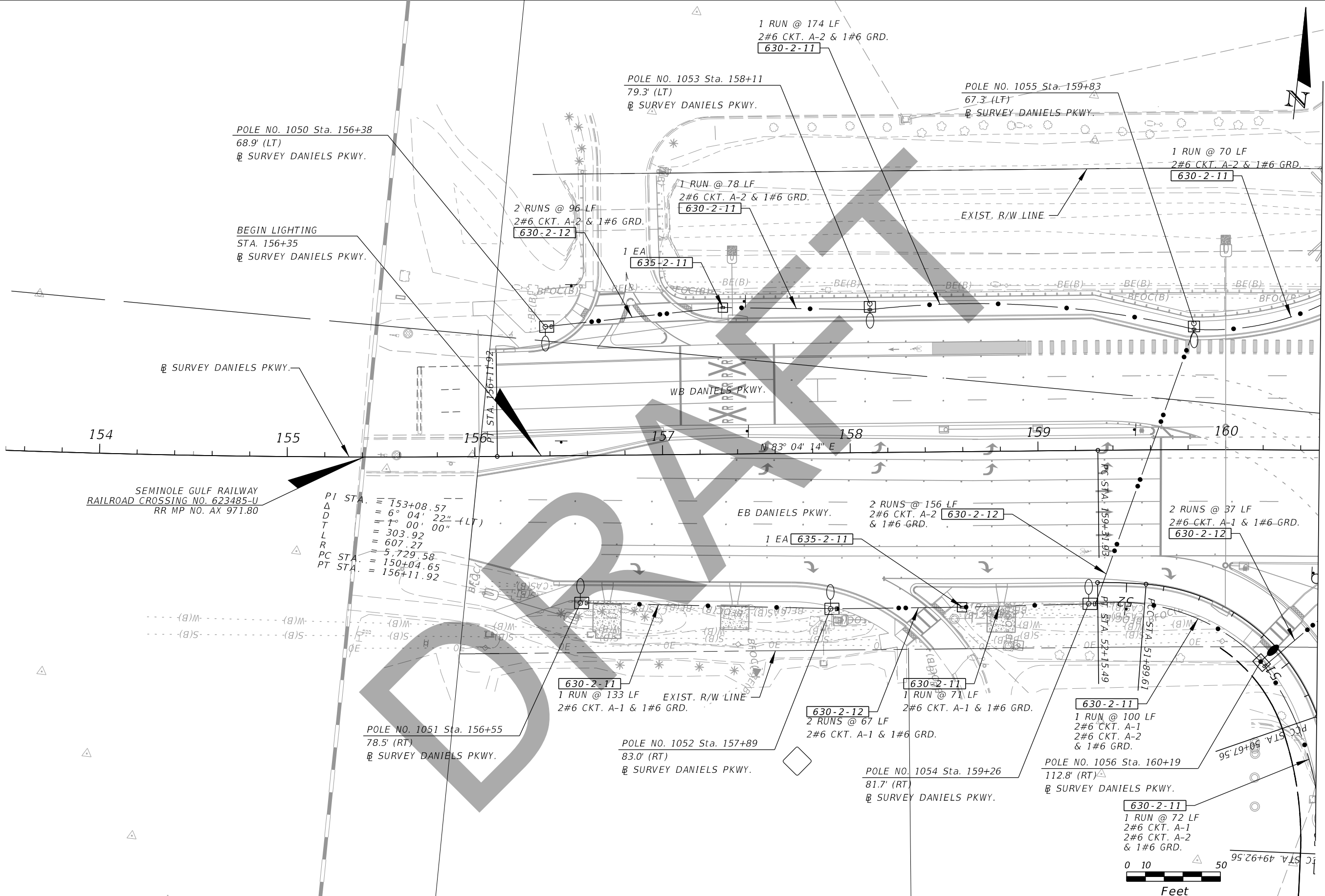
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**LIGHTING PLAN**

SHEET NO.  
L-14

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SEMINOLE GULF RAILWAY  
RAILROAD CROSSING NO. 623485-U  
RR MP NO. AX 971.80

PI STA. = 753+08.57  
Δ = 6° 04' 22" (LT)  
T = 7° 00' 00"  
L = 303.92  
R = 607.27  
PC STA. = 5+729.58  
PT STA. = 150+04.65  
= 156+11.92

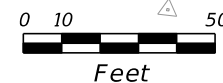
POLE NO. 1051 Sta. 156+55  
78.5' (RT)  
@ SURVEY DANIELS PKWY.

POLE NO. 1052 Sta. 157+89  
83.0' (RT)  
@ SURVEY DANIELS PKWY.

POLE NO. 1054 Sta. 159+26  
81.7' (RT)  
@ SURVEY DANIELS PKWY.

POLE NO. 1056 Sta. 160+19  
112.8' (RT)  
@ SURVEY DANIELS PKWY.

630-2-11  
1 RUN @ 72 LF  
2#6 CKT. A-1  
2#6 CKT. A-2  
& 1#6 GRD.



MATCH LINE STA. 160+50.00  
SEE SHEET L-10

REVISIONS	
DATE	DESCRIPTION
	<b>PRELIMINARY NOT FOR CONSTRUCTION</b>
6/25/2023	3:08:42 PM

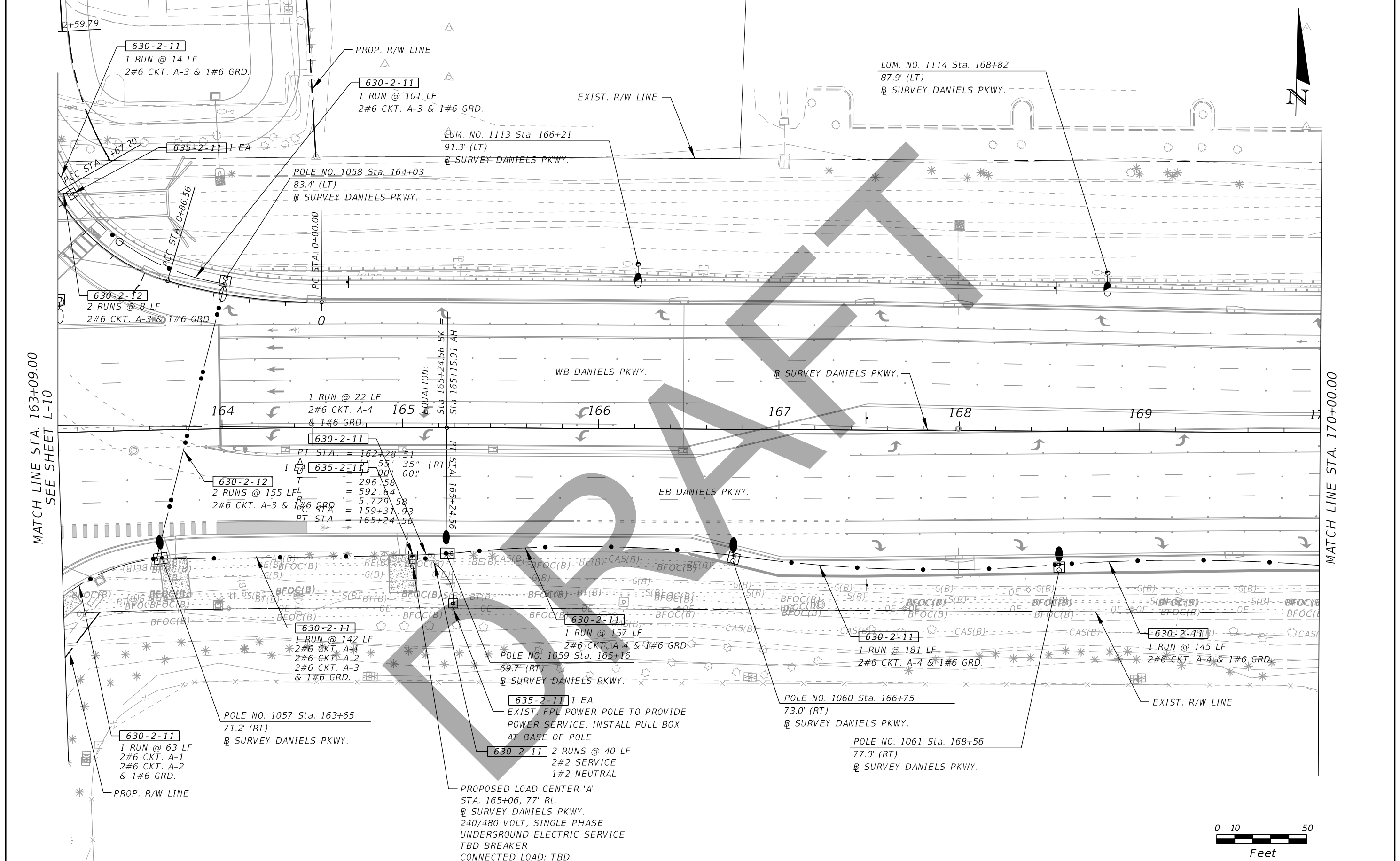
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**LIGHTING PLAN**

SHEET NO.  
L-15

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MATCH LINE STA. 163+09.00  
SEE SHEET L-10

MATCH LINE STA. 170+00.00



REVISIONS			
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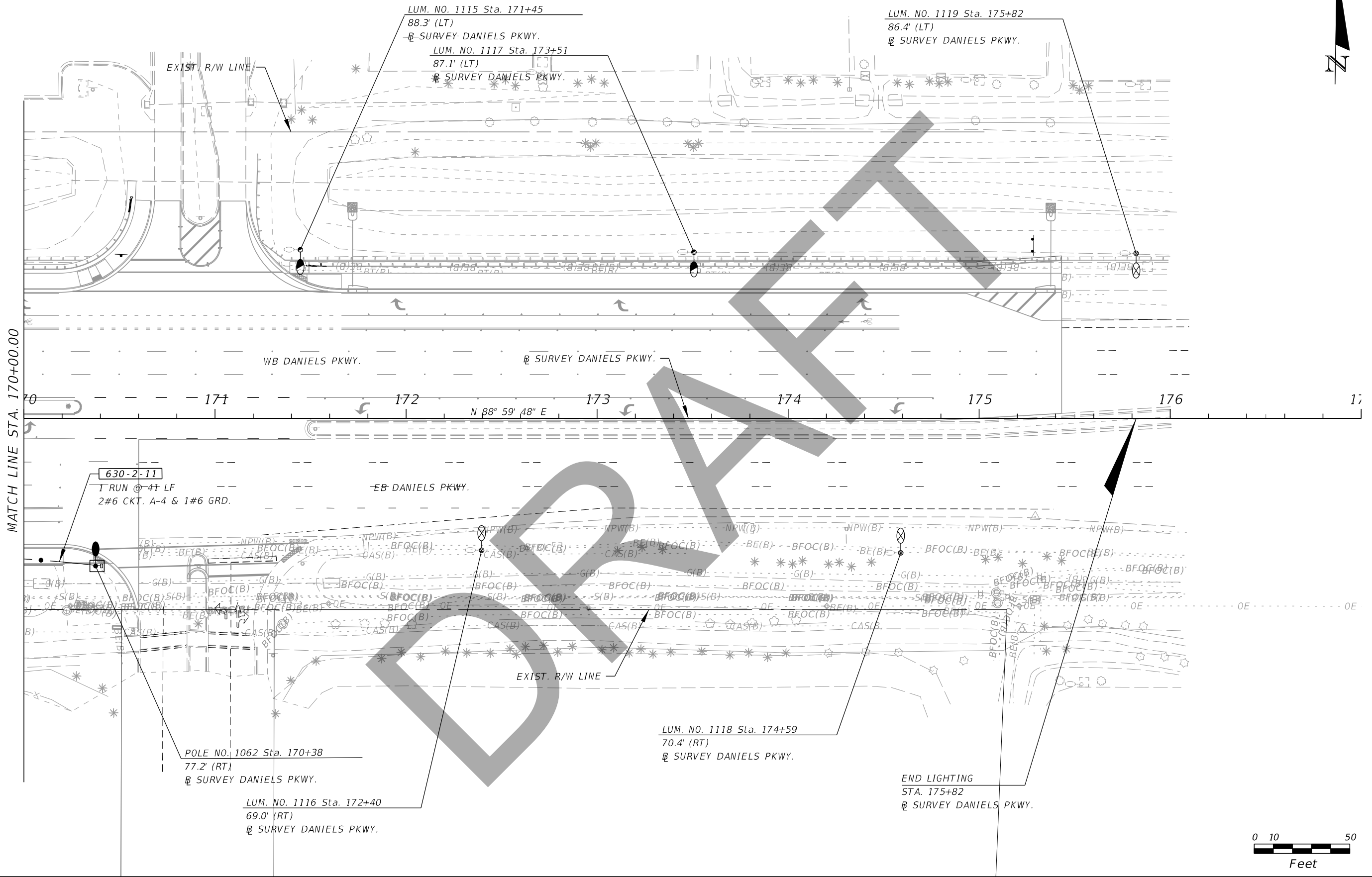
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

LIGHTING PLAN

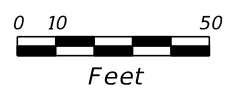
SHEET NO.  
L-16

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MATCH LINE STA. 170+00.00



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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	431334-2-52-01

**LIGHTING PLAN**

SHEET NO.  
L-17

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