

CONTRACT PLANS COMPONENTS
 ROADWAY PLANS
 SIGNING AND PAVEMENT MARKING PLANS
 SIGNALIZATION PLANS
 LIGHTING PLANS

A DETAILED INDEX APPEARS ON THE
 KEY SHEET OF EACH COMPONENT

INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	GENERAL NOTES
L-3	LIGHTING DATA TABLE AND LEGEND
L-4	LIGHTING PLAN

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

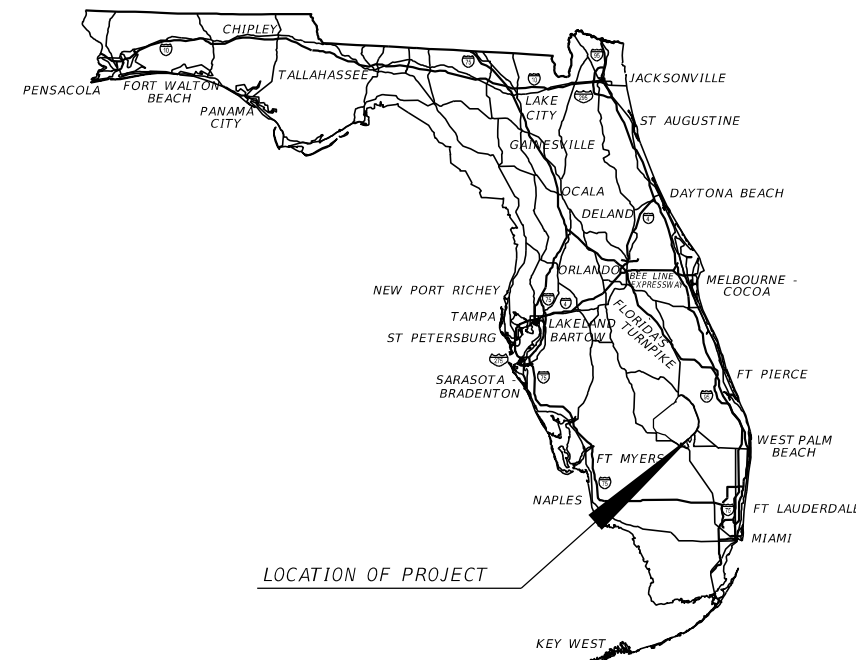
LIGHTING PLANS

FINANCIAL PROJECT ID 449656-1-52-01
 (FEDERAL FUNDS)

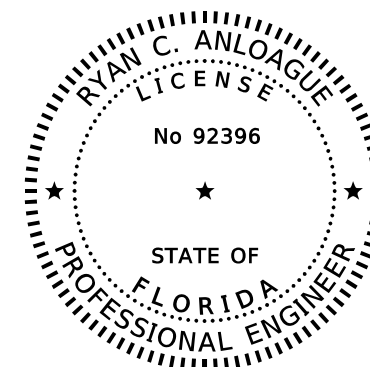
OKEECHOBEE COUNTY (91020)

STATE ROAD NO. 15

SR 15 (US 441) AT 28TH STREET SAFETY IMPROVEMENTS



PROJECT LOCATION URL:	https://tinyurl.com/2s6jx3w6
PROJECT LIMITS:	BEGIN MP 1.369 - END MP 1.373
EXCEPTIONS:	NONE
BRIDGE LIMITS:	NONE
RAILROAD CROSSING:	NONE



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 SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

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LIGHTING PLANS
ENGINEER OF RECORD:

RYAN C. ANLOAGUE, P.E.
 P.E. LICENSE NUMBER 92396
 FLORIDA TRANSPORTATION ENGINEERING, INC
 11458 N 53RD STREET
 TAMPA, FLORIDA, 33617.
 (813) 989-0729. EXT. 113.
 CONTRACT NO.: CA148
 VENDOR NO.: F65-0183924

FDOT PROJECT MANAGER:

JEFFREY MEDNICK

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2023-24 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>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY2023-24 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

PHASE IIR SUBMITTAL
 DECEMBER 2023

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

GENERAL NOTES:

1. PROPOSED DESIGN ELEMENTS AND LABELS ARE REFERENCING @ SURVEY SR 15.
2. THE MAINTAINING AGENCY FOR LIGHTING IS CITY OF OKEECHOBEE.
3. EXISTING POWER SERVICE POLE FOR EXISTING CIRCUIT B-2 IS LOCATED ON THE RIGHT SIDE OF SR 15 (US 441), APPROXIMATELY 1,200' SOUTH OF LIGHT POLE NO. 1 SHOWN ON LIGHTING PLAN SHEET. SEE STATE PROJECT ID. NO 91020-3529 ROADWAY LIGHTING PLAN FOR MORE INFORMATION.

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RYAN C. ANLOAGUE, P.E. LICENSE NUMBER: 92396 FLORIDA TRANSPORTATION ENGINEERING, INC. 11458 NORTH 53RD STREET TAMPA, FLORIDA 33617		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-2
								SR 15	OKEECHOBEE	449656-1-52-01

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Lighting Data Table

Pole No.	Easting	Northing	Baseline	Station	Offset	Foundation	Arm Length	Arm Rise	Mount Height	Quantity Luminares	Type	Make\Model	Lumens	IES Dist Type	CCT(K)	Tilt (deg)	Luminaire Watts	Luminaire Volts	Load Center No.	Circuit No.	Maint. Agency	Pay Item
1	711513.79	1048345.05	BL_US441	711+41.16 R2	50.43 RT		10'	3'	40'	1	Conventional	Autobahn ATB2	30,860	3	3000	0	224W		B	B-2	City of Okeechobee	0715 11211
2	711516.10	1048435.90	BL_US441	712+32.00 R2	53 RT		10'	3'	40'	1	Conventional	Autobahn ATB2	30,860	3	3000	0	224W		B	B-2	City of Okeechobee	0715 61321
3	711565.03	1048460.04	BL_US441	712+56.00 R2	102 RT		5'	3'	30'	1	Conventional	Autobahn ATBM	16,402	3	3000	0	135W		TBD	TBD	City of Okeechobee	0715 61321
4	711376.94	1048488.49	BL_US441	712+85.00 R2	86 LT		5'	3'	30'	1	Conventional	Autobahn ATBM	16,402	3	3000	0	135W		TBD	TBD	City of Okeechobee	0715 61321
5	711593.02	1048553.08	BL_US441	713+48.96 R2	130.26 RT		5'	3'	30'	1	Conventional	Autobahn ATBM	16,402	3	3000	0	135W		B	B-2	City of Okeechobee	0715 11211
6	711512.60	1048604.89	BL_US441	714+01.00 R2	50 RT		10'	3'	40'	1	Conventional	Autobahn ATB2	29,798	4	3000	0	233W		B	B-2	City of Okeechobee	0715 61321
7	711512.77	1048744.90	BL_US441	715+41.02 R2	50.57 RT		10'	3'	40'	1	Conventional	Autobahn ATB2	29,798	4	3000	0	233W		B	B-2	City of Okeechobee	0715 11211

SIGNALIZED INTERSECTION LIGHTING RETROFIT CRITERIA

AVERAGE INITIAL INTENSITY (H.F.C) 1.5 STD.; 1.0 MIN. (H.F.C.)
 UNIFORMITY RATIO - AVG./MIN. 4:1 OR LESS
 MAX./MIN. 10:1 OR LESS

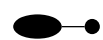
AVERAGE INITIAL INTENSITY IN CROSSWALK FOR APPROACH MOVEMENT (V.F.C) 1.5 STD.; 1.0 MIN (V.F.C)

WIND SPEED 140 MPH

LEGEND

SYMBOL

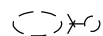
DESCRIPTION



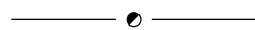
PROPOSED LIGHT POLE WITH LUMINAIRE



RETROFIT EXISTING LUMINAIRE ON EXISTING LIGHT POLE



EXISTING LIGHT POLE TO BE REMOVED

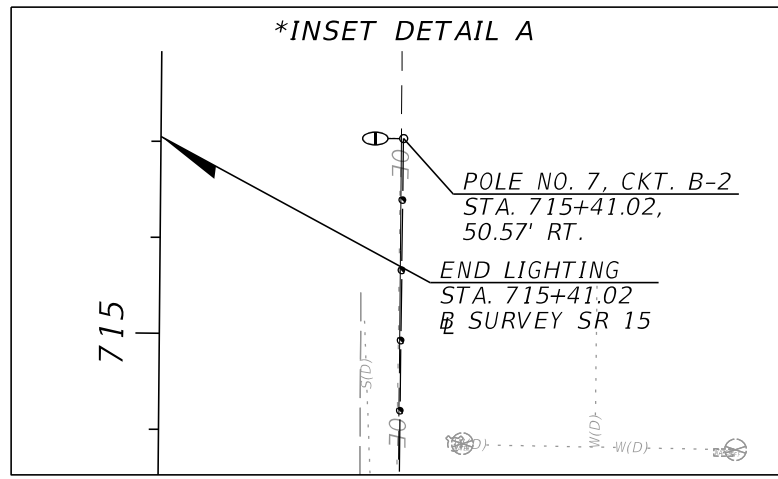


2#6 AERIAL LIGHTING CONDUCTORS

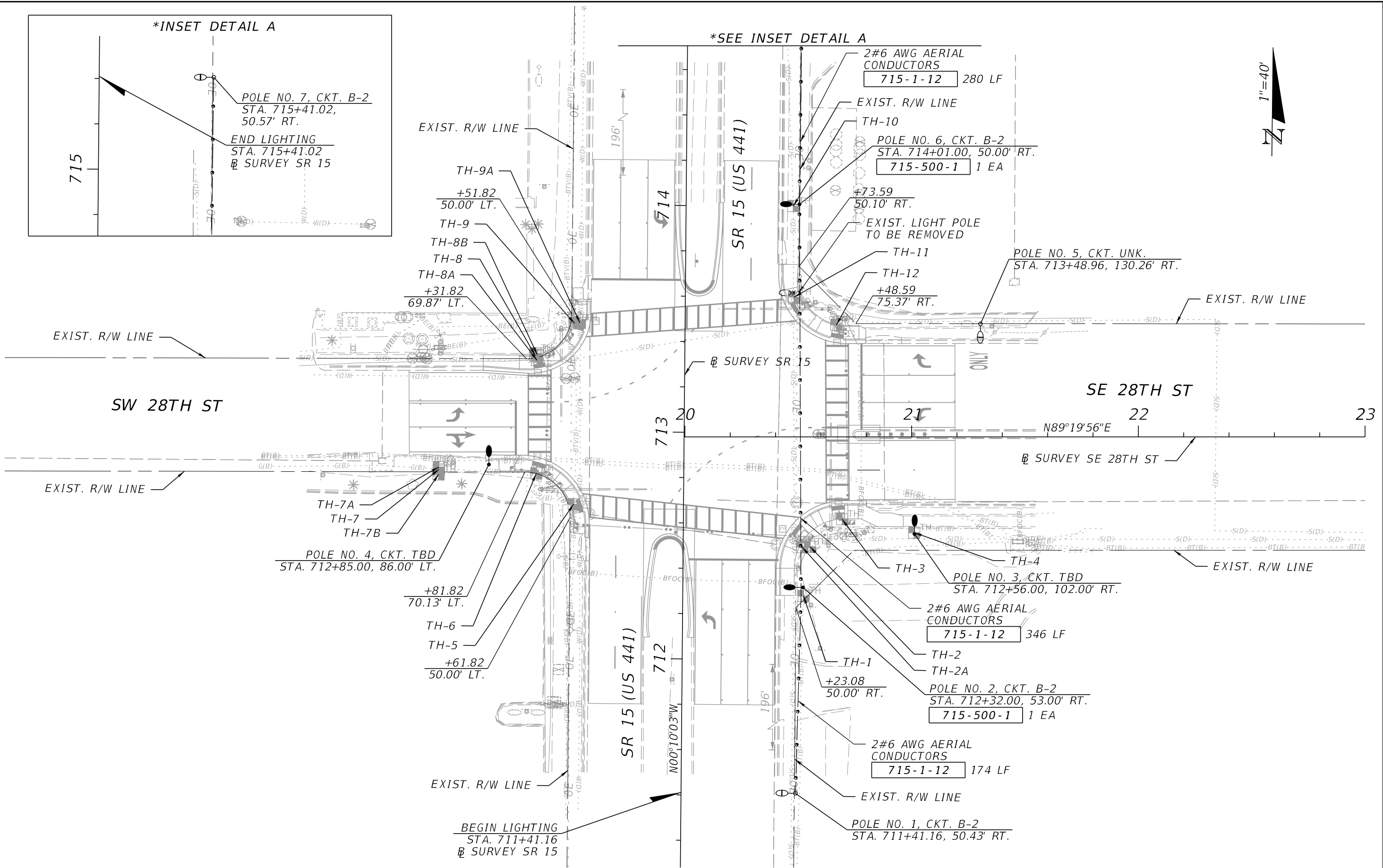
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHT DATA TABLE AND LEGEND	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RYAN C. ANLOAGUE, P.E. LICENSE NUMBER: 92396 FLORIDA TRANSPORTATION ENGINEERING, INC. 11458 NORTH 53RD STREET TAMPA, FLORIDA 33617		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-3
						SR 15	OKEECHOBEE	449656-1-52-01		

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***SEE INSET DETAIL A**



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REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD
 RYAN C. ANLOAGUE, P.E.
 LICENSE NUMBER: 92396
 FLORIDA TRANSPORTATION ENGINEERING, INC.
 11458 NORTH 53RD STREET
 TAMPA, FLORIDA 33617

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 15	OKEECHOBEE	449656-1-52-01

LIGHTING PLAN

SHEET NO.
L-4

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