










LEGEND:

-  Proposed 210 watt light-emitting diode (LED) luminaire. Designed for medium, Type II distribution and 4000K CCT. Driver wired for 240V operation. Aluminum pole with 0° tilt, and 40' mounting height. Use Holophane, Model: MGL5 or equal, Photometric Curve: LTL24772P21.
 - 715-4-13 715-500-1
-  2" open trench conduit with conductors as shown in plans.
 - 630-2-11 715-1-12 715-1-13
-  2" directional bore conduit with conductors as shown in plans.
 - 630-2-12 715-1-12
-  Roadside pull box. Includes concrete slab per Index 17500.
 - 635-2-11
-  Proposed load center. See sheet L-6.
 - 639-1-122 641-2-12 715-7-11
-  Proposed 63.7 watt light-emitting diode (LED) pedestrian scale luminaire with banner arm. Designed for medium, Type III distribution and 4500K CCT. Driver wired for 120V operation. Aluminum pole with 0° tilt, and 12' mounting height. Use Sternberg Lighting, Model: A850SRLED or equal, Photometric Curve: S12536. See landscaping plans for details. 715-516-115
-  Proposed 14 watt light-emitting diode (LED) landscaping luminaire. Designed for very short, Type I distribution and 30K CCT. Driver wired for 120V operation. Use Insight Lighting, Model: MVW11 or equal, Photometric Curve: 11448982.02 715-11-115
-  Existing luminaire to be removed by others.
-  Existing utility pole.

POLE DATA

POLE NO.	CIRCUIT	STATION	POLE OFFSET	MOUNTING HEIGHT	POLE TYPE	ARM LENGTH	ARM CONFIGURATION
101	A-2	STA. 437+22 @ CR 19A	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
102	A-1	STA. 438+36 @ CR 19A	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
103	A-2	STA. 438+93 @ CR 19A	6' FROM BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
104	A-1	STA. 439+98 @ CR 19A	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
105	A-2	STA. 642+67 @ CR 441 E	2' FROM BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
106	A-1	STA. 644+15 @ CR 441 E	24' FROM FACE OF CURB	40'	GROUND	-	TOP MOUNT
107	A-1	STA. 644+67 @ CR 441 E	20' FROM EDGE OF TRAVEL	40'	GROUND	-	TOP MOUNT
201	A-1	STA. 146+72 @ CR 441 SW	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
202	A-1	STA. 147+80 @ CR 441 SW	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
203	A-1	STA. 149+08 @ CR 441 SW	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
204	A-1	STA. 150+09 @ CR 441 SW	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
205	A-2	STA. 501+73 @ EUDORA RD	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
206	A-2	STA. 502+94 @ EUDORA RD	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
207	A-2	STA. 503+56 @ EUDORA RD	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
301	A-1	STA. 440+62 @ CR 19A	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
302	A-2	STA. 440+89 @ CR 19A	BACK OF GRAVITY WALL	40'	GROUND	-	TOP MOUNT
303	A-1	STA. 150+57 @ CR 441 SW	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
304	A-2	STA. 642+05 @ CR 441 E	BACK OF SIDEWALK	40'	GROUND	-	TOP MOUNT
401	A-3	STA. 440+75 @ CR 19A	7' FROM FACE OF CURB	12'	GROUND	-	TOP MOUNT
402	A-3	STA. 440+85 @ CR 19A	BACK OF GRAVITY WALL	15'	GROUND	-	TOP MOUNT
403	A-3	STA. 150+57 @ CR 441 SW	BACK OF SIDEWALK	12'	GROUND	-	TOP MOUNT
501	A-4	STA 441+25 @ CR 19A	38' FROM FACE OF CURB	GROUND	N/A	-	N/A
502	A-4	-	40' FROM FACE OF CURB	GROUND	N/A	-	N/A
503	A-4	-	40' FROM FACE OF CURB	GROUND	N/A	-	N/A
504	A-4	-	40' FROM FACE OF CURB	GROUND	N/A	-	N/A
505	A-4	-	40' FROM FACE OF CURB	GROUND	N/A	-	N/A
506	A-4	STA 441+37 @ CR 19A	40' FROM FACE OF CURB	GROUND	N/A	-	N/A
507	A-4	STA. 641+30 @ CR 441 E	39' FROM FACE OF CURB	GROUND	N/A	-	N/A
508	A-4	-	40' FROM FACE OF CURB	GROUND	N/A	-	N/A
509	A-4	-	41' FROM FACE OF CURB	GROUND	N/A	-	N/A
510	A-4	-	41' FROM FACE OF CURB	GROUND	N/A	-	N/A
511	A-4	-	42' FROM FACE OF CURB	GROUND	N/A	-	N/A
512	A-4	STA. 641+44 @ CR 441 E	40' FROM FACE OF CURB	GROUND	N/A	-	N/A
513	A-4	STA. 641+43 @ CR 441 E	39' FROM FACE OF CURB	GROUND	N/A	-	N/A
514	A-4	-	40' FROM FACE OF CURB	GROUND	N/A	-	N/A
515	A-4	-	41' FROM FACE OF CURB	GROUND	N/A	-	N/A
516	A-4	-	41' FROM FACE OF CURB	GROUND	N/A	-	N/A
517	A-4	-	39' FROM FACE OF CURB	GROUND	N/A	-	N/A
518	A-4	STA. 441+29 @ CR 19A	37' FROM FACE OF CURB	GROUND	N/A	-	N/A

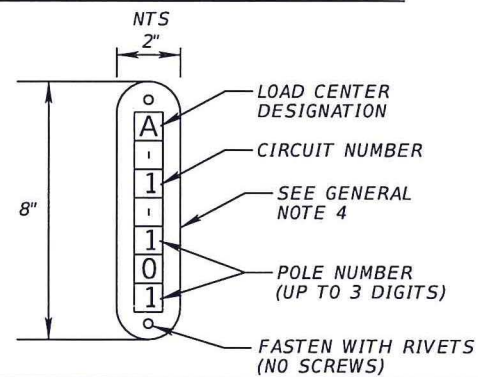
CONVENTIONAL LIGHTING DESIGN CRITERIA:



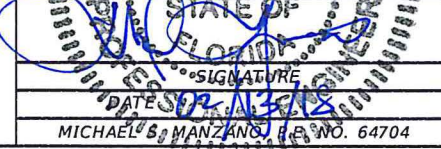
Average Initial Intensity	1.5 Foot Candles (Min.) Approaches 3.0 Foot Candles (Horizontal) Roundabout 2.3 Foot Candles* (Vertical)
Uniformity Ratio Avg./Min.	4:1 or Less
	Max./Min. 10:1 or Less
Veiling Luminance ratio	0.3:1 or Less
Design Wind Speed	140 MPH (Lake County)

NOTE: SINCE THE SIDEWALK IS WITHIN THE RANGE OF PROPOSED LIGHT POLES, FDOT CRITERIA USED IS THE SAME.

* VERTICAL ILLUMINATION VALUE IS ONLY VALID FOR NEW PROJECTS OR WHERE THE INTERSECTION IS BEING RECONSTRUCTED. THE VERTICAL ILLUMINATION IS A TARGET VALUE AND MAY NOT BE ACHIEVABLE FOR ALL TRAFFIC MOVEMENTS.

POLE IDENTIFICATION TAG DETAIL



REVISIONS	DATE	 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number No. 7862 Michael Saludares Manzano, P.E., License No. 64704	 LAKE COUNTY FLORIDA	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION 350 N SINCLAIR AVE. TAVARES, FLORIDA 32778	 MICHAEL S. MANZANO, P.E. NO. 64704	<p style="font-size: 1.2em; font-weight: bold;">POLE DATA AND LEGEND</p>	SHEET NO. L-4
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