

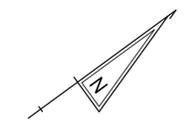
PROJECT LIGHTING NOTES:

1. CONDUIT RUNS ARE SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL LOCATE THE SERVICE RUNS IN A MANNER THAT AVOIDS CONFLICTS WITH ALL EXISTING AND PROPOSED FEATURES AS FIELD CONDITIONS DICTATE AND AS APPROVED BY THE ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO WORK.
3. THE LIGHTING CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL THE CONTRACTORS INVOLVED ON THIS PROJECT. THE LIGHTING CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND THE GENERAL SUPERINTENDENT ON THE LOCATIONS OF ALL CONDUIT, JUNCTION WELLS AND POLE BASES TO ELIMINATE CONSTRUCTION CONFLICTS.
4. EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATIONS PRIOR TO COMMENCING WORK.
5. THE CONTRACTOR SHALL CONTACT DELMARVA POWER TO COORDINATE SERVICE DROP LOCATIONS AND TO ENSURE ALL PROPOSED SERVICE FEEDS ARE APPROVED PRIOR TO INSTALLATION OF CABINETS AND ELECTRIC UTILITY SERVICE EQUIPMENT. THE CONTRACTOR SHALL ARRANGE A MEETING WITH DELMARVA POWER, THE ENGINEER AND THE DELDOT TRAFFIC SECTION TO ENSURE THAT POWER IS AVAILABLE WHEN REQUIRED.
6. COLOR CODING SHALL BE PROVIDED THROUGHOUT THE ENTIRE NETWORK FOR SERVICE, FEEDER, BRANCH AND CONTROL CONDUCTORS. EACH PHASE SHALL BE AN INDEPENDENT COLOR. CONDUCTORS SHALL HAVE FACTORY IMPREGNATED COLOR THROUGHOUT THEIR ENTIRE LENGTH.
7. ALL FUSED CONNECTIONS SHALL BE MADE IN THE POLE BASE. SPLICES IN JUNCTION BOXES OR PULL BOXES SHALL NOT BE FUSED.
8. ALL CONDUITS SHALL BE BONDED IN A CONTINUOUS RUN FROM THE SOURCE BY A COPPER GROUNDING CONDUCTOR WITH SIZE AS NOTED ON PLANS. 10 FEET OF ADDITIONAL SLACK FOR EACH GROUND WIRE IN EACH JUNCTION WELL SHALL BE PROVIDED AND NEATLY COILED.
9. ALL STATION, OFFSET AND DIMENSION INFORMATION SHOWN FOR PROPOSED LIGHTING STANDARDS IS TO THE CENTER OF THE PROPOSED POLE BASE.
10. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF LIGHTING CONDUITS WITH ITMS CONDUITS. ITMS AND LIGHTING CONDUITS MAY SHARE A COMMON TRENCH BUT SHALL NOT SHARE COMMON JUNCTION WELLS.
11. ALL PROPOSED ROADWAY LIGHTING CONDUITS (SERVICE RUNS) SHALL BE RIGID POLYVINYL CHLORIDE SCHEDULE 80 WHEN INSTALLED BY TRENCHING AND SDR-13.5 HDPE WHEN INSTALLED BY BORING, UNLESS OTHERWISE NOTED ON PLANS.
12. SPLICES FOR ALL ROADWAY LIGHTING ELECTRICAL CABLES SHALL BE COMPLETED USING APPROVED SPLICE KITS OR METHODS APPROVED BY THE ENGINEER AND SHALL BE INCIDENTAL TO THE SUPPLY AND INSTALLATION OF THE VARIOUS ROADWAY LIGHTING ELECTRICAL CABLES.
13. ALL PROPOSED LIGHTING STANDARDS SHALL BE INSTALLED WITH BREAKAWAY TRANSFORMER BASES WHETHER PROTECTED BY TRAFFIC BARRIER OR UNPROTECTED.
14. ALL LIGHTING STANDARDS SHALL BE INSTALLED ON 2.5' DIAMETER BY 11.5' TALL POLE BASES UNLESS OTHERWISE SHOWN ON PLANS. SEE DWG. NO. LI-17 FOR LIGHTING STANDARD POLE BASE DETAILS.
15. (1) 3/4" DIAMETER BY 10' LONG GROUND ROD SHALL BE INSTALLED AT EACH LIGHTING STANDARD POLE BASE. (1) 3/4" DIAMETER BY 10' LONG GROUND ROD SHALL BE INSTALLED IN THE JUNCTION WELL CLOSEST TO THE LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND THE COPPER GROUNDING CONDUCTORS FOR EACH RUN OF CIRCUITS SHALL BE CONNECTED TO THE GROUND ROD. (1) 3/4" DIAMETER BY 10' LONG GROUND ROD SHALL BE INSTALLED AT THE LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE WHICH SHALL BE BONDED TO THE GROUND ROD IN THE JUNCTION WELL CLOSEST TO THE LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE. (1) 3/4" DIAMETER BY 10' LONG GROUND ROD SHALL BE INSTALLED AT THE ELECTRIC SERVICE PEDESTAL. GROUND RODS SHALL BE SEPARATED BY A MINIMUM OF 6 FEET.
16. IF ANY UTILITY IS DAMAGED THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE OWNER OF THE UTILITY IMMEDIATELY. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE UNDER THE DIRECTION OF THE UTILITY OWNER. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR BACKFILL AN EXCAVATION OF AN IMPACTED UTILITY WITHOUT PERMISSION FROM THE UTILITY OWNER.
17. ALL LIGHTING CONDUCTORS AND GROUND CONDUCTORS SHALL BE TYPE USE-2 UNLESS OTHERWISE NOTED.
18. REMOVAL OF EXISTING ROADWAY LIGHTING JUNCTION WELLS, REMOVAL OF EXISTING ROADWAY LIGHTING POLE BASES AND BACKFILLING WILL NOT BE MEASURED AND PAID FOR, BUT WILL BE INCIDENTAL TO OTHER ITEMS IN THE CONTRACT. EXISTING POLE BASES SHALL BE REMOVED TO A DEPTH OF 1 FOOT BELOW FINISHED GRADE.

LIGHTING STANDARD SCHEDULE						
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-60	9	741+24.9	76.0' LT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION

LIGHTING SERVICE SCHEDULE					
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
55	1	3.0"	241*	(2)#6, (1)#6 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



DRAFT FOR BIDDING

AUGUST 2015



MATCH LINE STA. 742+00 - SEE DWG. LI-02

LIGHTING SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	PROPOSED LIGHTING SERVICE RUN
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

ADDENDUMS / REVISIONS



US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

LIGHTING PLAN

LI-01
SHEET NO.
753
TOTAL SHTS.
875

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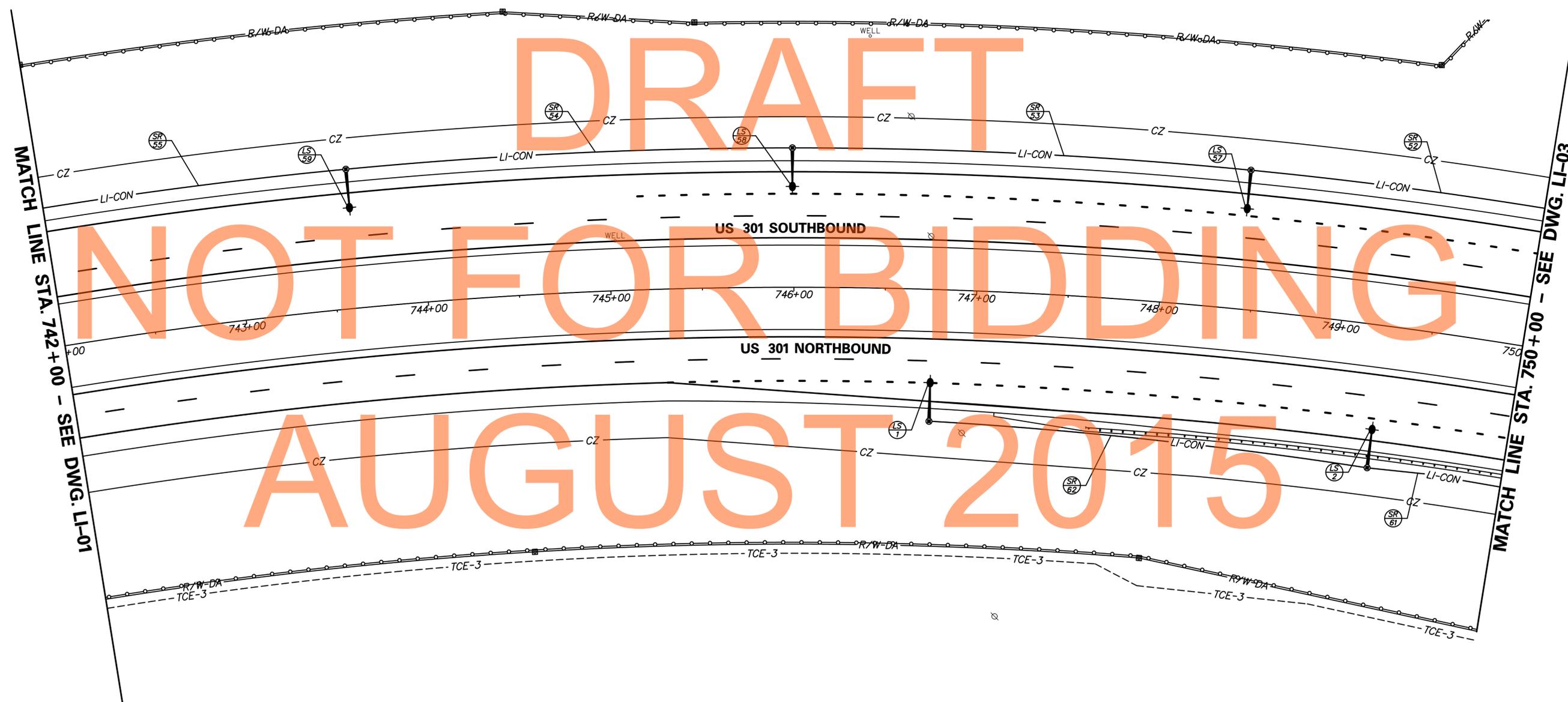
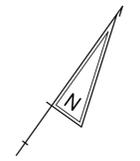
LIGHTING SYMBOL LEGEND

- | SYMBOL | DESCRIPTION |
|--------|---|
| | PROPOSED LIGHTING STANDARD AND POLE BASE |
| | PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER |
| | PROPOSED LIGHTING JUNCTION WELL |
| | PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH |
| | LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED) |
| | PROPOSED LIGHTING SERVICE RUN |
| | SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED) |
| | LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED) |
| | POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED) |
| | REMOVE BY CONTRACTOR / REMOVE BY OTHERS |
| | ABANDON BY CONTRACTOR |

LIGHTING STANDARD SCHEDULE						
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-1	11	746+76.0	72.0' RT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-2	9	749+24.3	78.0' RT.	40'	15'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-57	9	748+42.8	76.0' LT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-58	11	745+99.2	76.0' LT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-59	7	743+62.0	76.0' LT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION

LIGHTING SERVICE SCHEDULE					
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
52	1	3.0"	247*	(4)#6, (1)#6 GROUND	TRENCH
53	1	3.0"	248	(4)#6, (1)#6 GROUND	TRENCH
54	1	3.0"	241	(3)#6, (1)#6 GROUND	TRENCH
55	1	3.0"	241*	(2)#6, (1)#6 GROUND	TRENCH
61	1	3.0"	243*	(3)#6, (1)#6 GROUND	TRENCH
62	1	3.0"	238	(2)#6, (1)#6 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.

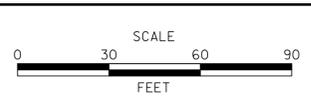


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AUGUST 2015

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ADDENDUMS / REVISIONS	



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

LIGHTING PLAN

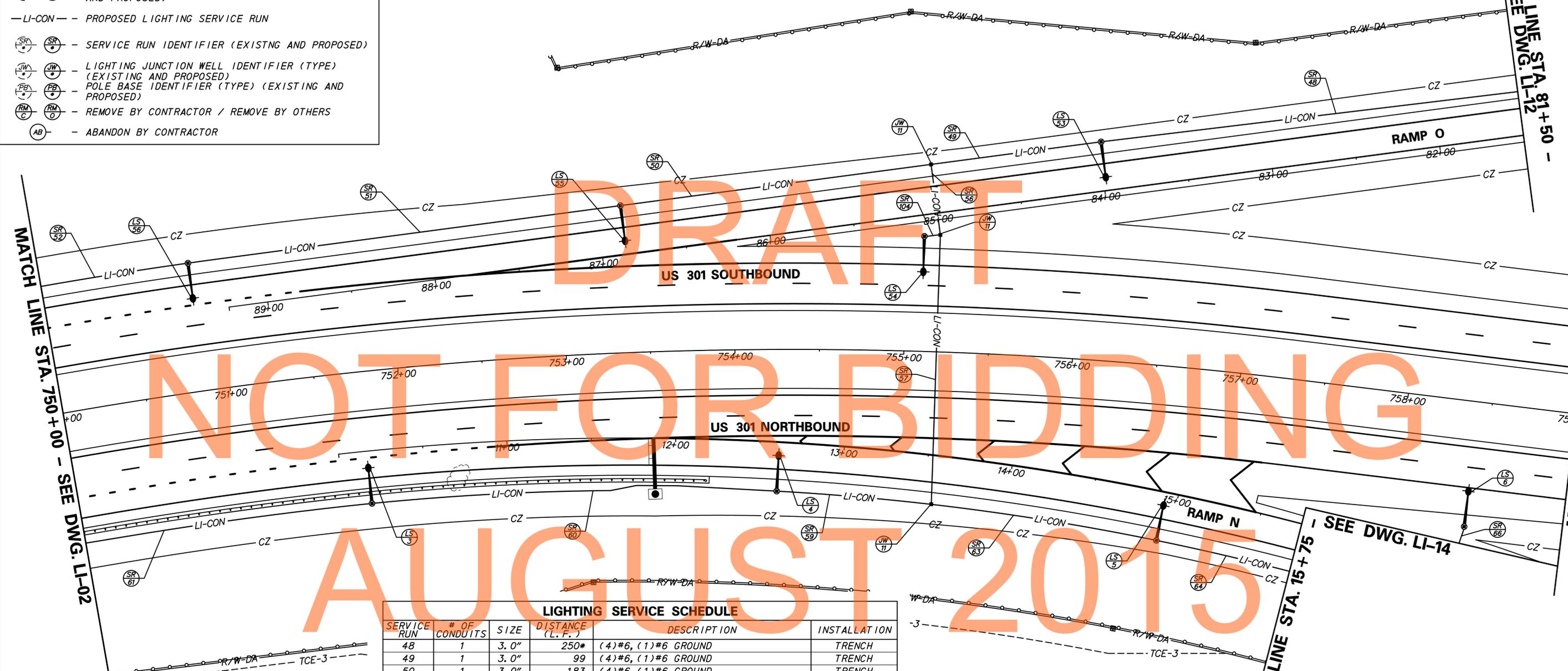
LI-02
SHEET NO. 754
TOTAL SHTS. 875

LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	PROPOSED LIGHTING SERVICE RUN
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-3	7	10+16.7	31.0' RT.	40'	15'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-4	11	12+61.4	29.0' RT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-5	9	14+92.5	29.0' RT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-6	7	758+42.3	74.1' RT.	40'	15'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-53	7	83+98.4	29.0' RT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-54	9	755+10.1	68.0' LT.	40'	15'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-55	11	86+85.5	29.0' RT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-56	7	750+85.5	76.0' LT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION



LIGHTING SERVICE SCHEDULE

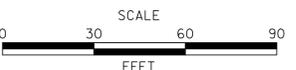
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
48	1	3.0"	250*	(4)#6, (1)#6 GROUND	TRENCH
49	1	3.0"	99	(4)#6, (1)#6 GROUND	TRENCH
50	1	3.0"	183	(4)#6, (1)#6 GROUND	TRENCH
51	1	3.0"	255	(4)#6, (1)#6 GROUND	TRENCH
52	1	3.0"	247*	(4)#6, (1)#6 GROUND	TRENCH
56	1	3.0"	40	(4)#6, (1)#6 GROUND	BORE
57	1	3.0"	158	(4)#6, (1)#6 GROUND	BORE
59	1	3.0"	89	(4)#6, (1)#6 GROUND	TRENCH
60	1	3.0"	237	(4)#6, (1)#6 GROUND	TRENCH
61	1	3.0"	243*	(3)#6, (1)#6 GROUND	TRENCH
63	1	3.0"	132	(3)#6, (1)#6 GROUND	TRENCH
64	1	3.0"	169*	(2)#6, (1)#6 GROUND	TRENCH
66	1	3.0"	14*	(2)#6, (1)#6 GROUND	TRENCH
104	1	3.0"	7	(2)#6, (1)#6 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.

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ADDENDUMS / REVISIONS



US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

LIGHTING PLAN

LI-03
SHEET NO. 755
TOTAL SHTS. 875

LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
—LI-CON—	PROPOSED LIGHTING SERVICE RUN
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

NOTES:
1. NO LIGHTING PROPOSED ON THIS PLAN SHEET. SHEET SHOWN FOR REFERENCE PURPOSES ONLY.



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MATCH LINE STA. 759+00 -
SEE DWG. LI-03

MATCH LINE STA. 767+00 - SEE DWG. LI-05

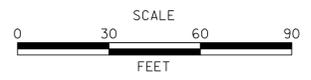
MATCH LINE AA -
SEE DWG. LI-14

AUGUST 2015

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ADDENDUMS / REVISIONS	



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

LIGHTING PLAN	SHEET NO. 756
	TOTAL SHTS. 875

LI-04
SHEET NO. 756
TOTAL SHTS. 875

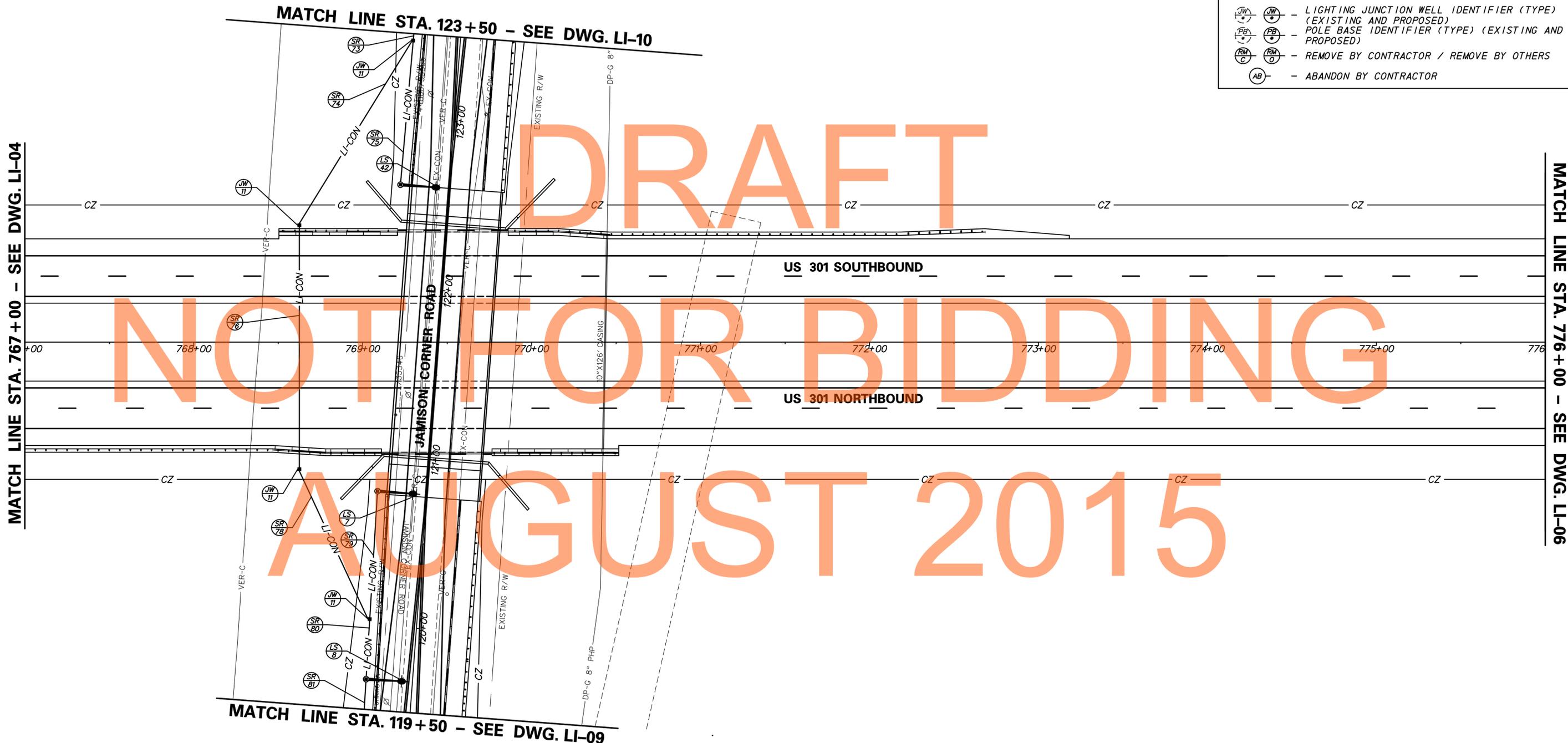
LIGHTING STANDARD SCHEDULE						
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-7	2	120+79.1	29.0' LT.	30'	15'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-8	4	119+67.8	27.5' LT.	30'	15'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-42	6	122+60.5	29.0' LT.	30'	15'	150 W HPS, IES TYPE 2 DISTRIBUTION

LIGHTING SERVICE SCHEDULE						
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION	
73	1	3.0"	30*	(4)#6, (1)#6 GROUND	TRENCH	
74	1	3.0"	126	(4)#6, (1)#6 GROUND	TRENCH	
75	1	3.0"	83	(2)#6, (1)#6 GROUND	TRENCH	
76	1	3.0"	142	(4)#6, (1)#6 GROUND	BORE	
78	1	3.0"	97	(4)#6, (1)#6 GROUND	TRENCH	
79	1	3.0"	73	(2)#6, (1)#6 GROUND	TRENCH	
80	1	3.0"	33	(4)#6, (1)#6 GROUND	TRENCH	
81	1	3.0"	98*	(4)#6, (1)#6 GROUND	TRENCH	

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
 NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	PROPOSED LIGHTING SERVICE RUN
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR



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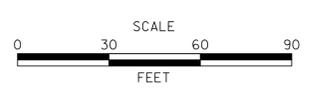
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ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO. 1-8 (1-460A)
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

LIGHTING PLAN

LI-05
SHEET NO. 757
TOTAL SHTS. 875

LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	PROPOSED LIGHTING SERVICE RUN
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

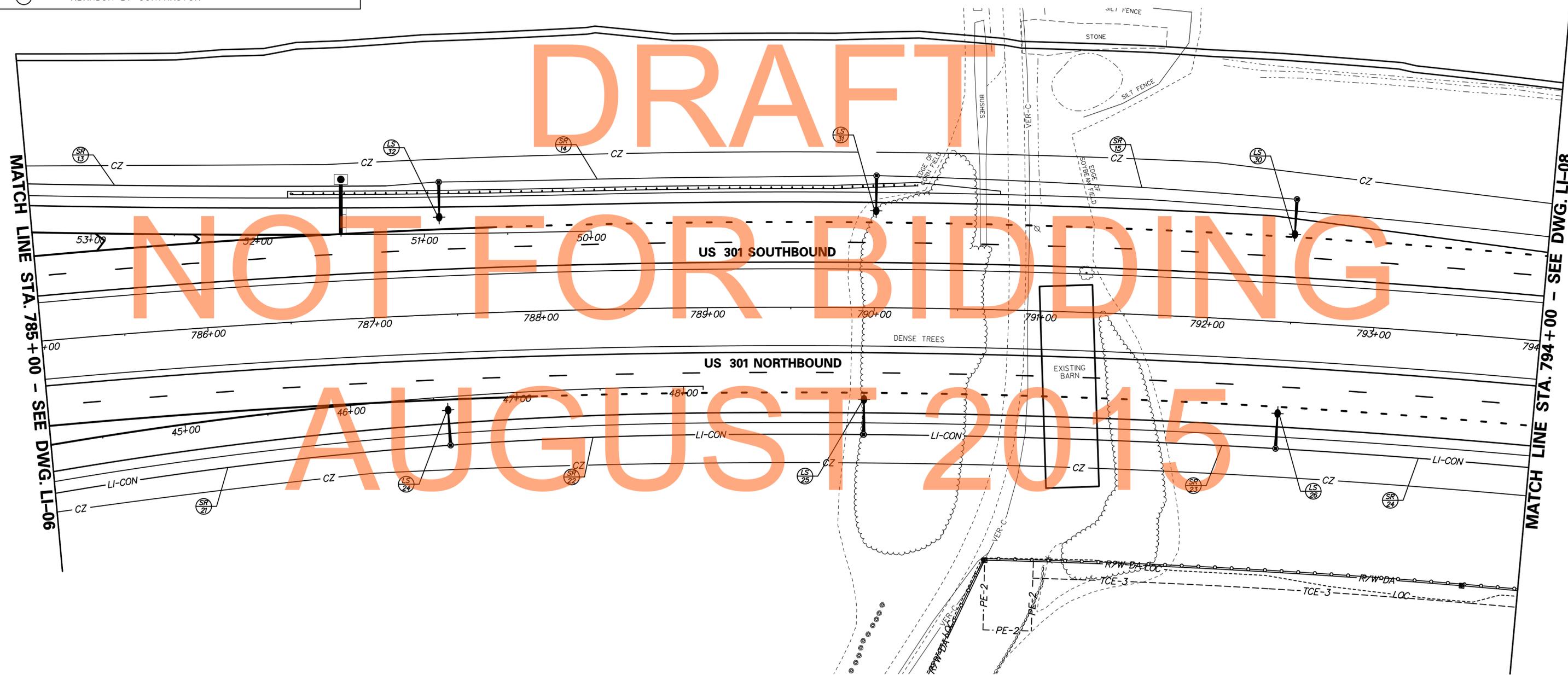
LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-24	1	46+58.1	29.0' RT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-25	3	789+94.4	76.0' RT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-26	5	792+45.4	76.0' RT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-30	1	792+49.4	73.7' LT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-31	3	790+0.6	79.0' LT.	40'	15'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-32	5	50+91.0	31.0' RT.	40'	15'	250 W HPS, IES TYPE 3 DISTRIBUTION

LIGHTING SERVICE SCHEDULE

SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
13	1	3.0"	258*	(4)#6, (1)#6 GROUND	TRENCH
14	1	3.0"	260	(3)#6, (1)#6 GROUND	TRENCH
15	1	3.0"	250	(2)#6, (1)#6 GROUND	TRENCH
21	1	3.0"	246*	(4)#6, (1)#6 GROUND	TRENCH
22	1	3.0"	245	(4)#6, (1)#6 GROUND	TRENCH
23	1	3.0"	245	(4)#6, (1)#6 GROUND	TRENCH
24	1	3.0"	247*	(4)#6, (1)#6 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



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ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

LIGHTING PLAN

LI-07
SHEET NO. 759
TOTAL SHTS. 875

LIGHTING SYMBOL LEGEND

- SYMBOL DESCRIPTION**
- PROPOSED LIGHTING STANDARD AND POLE BASE
 - PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
 - PROPOSED LIGHTING JUNCTION WELL
 - PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
 - LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
 - LI-CON - PROPOSED LIGHTING SERVICE RUN
 - SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
 - LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
 - POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
 - REMOVE BY CONTRACTOR / REMOVE BY OTHERS
 - ABANDON BY CONTRACTOR

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-27	1	794+99.5	76.0' RT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-28	3	797+49.3	76.0' RT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION
LS-29	5	799+96.6	72.7' RT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION

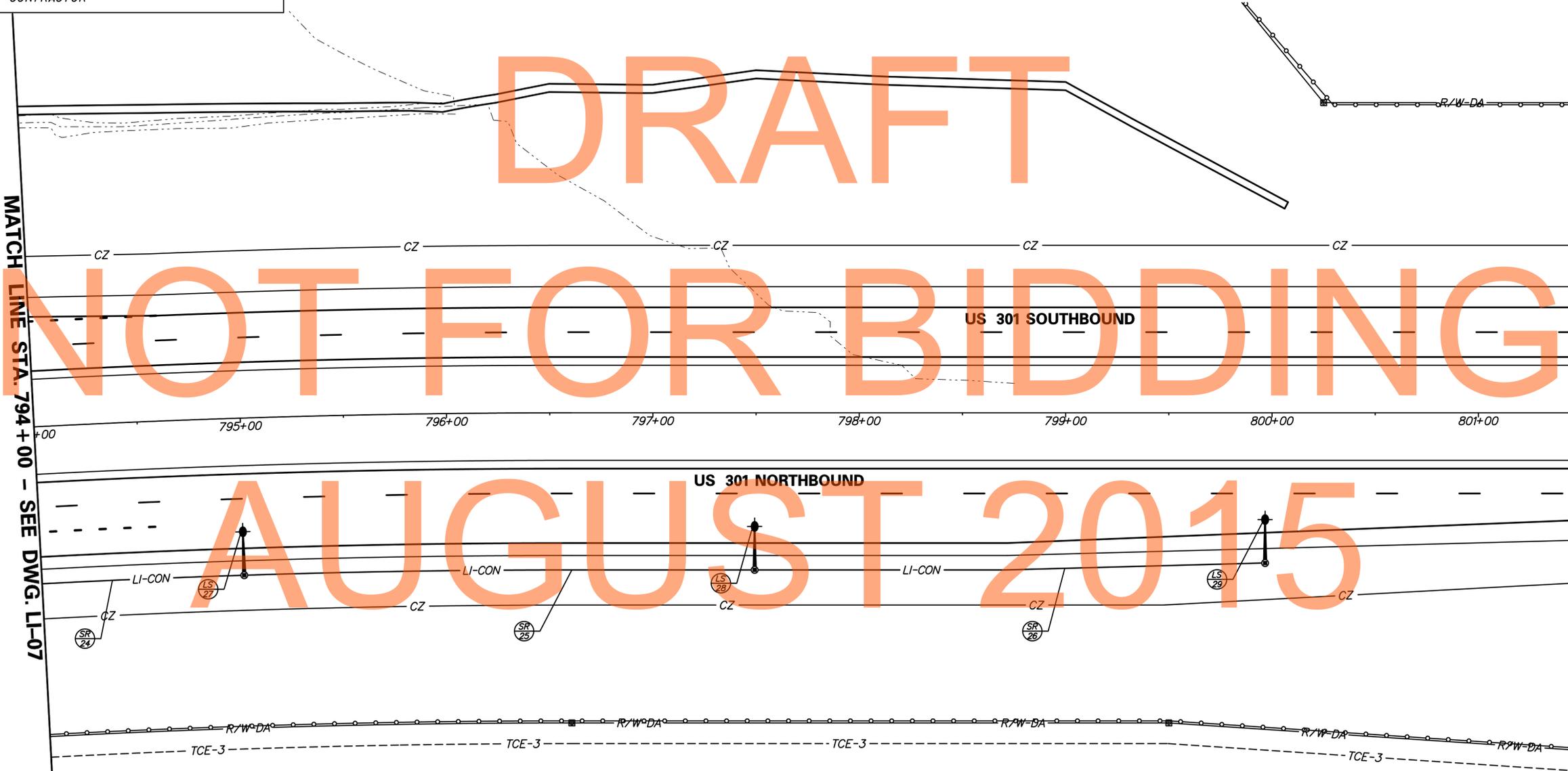
LIGHTING SERVICE SCHEDULE

SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
24	1	3.0"	247*	(4)#6, (1)#6 GROUND	TRENCH
25	1	3.0"	244	(3)#6, (1)#6 GROUND	TRENCH
26	1	3.0"	244	(2)#6, (1)#6 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



MATCH LINE STA. 794+00 - SEE DWG. LI-07



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ADDENDUMS / REVISIONS	



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

LIGHTING PLAN

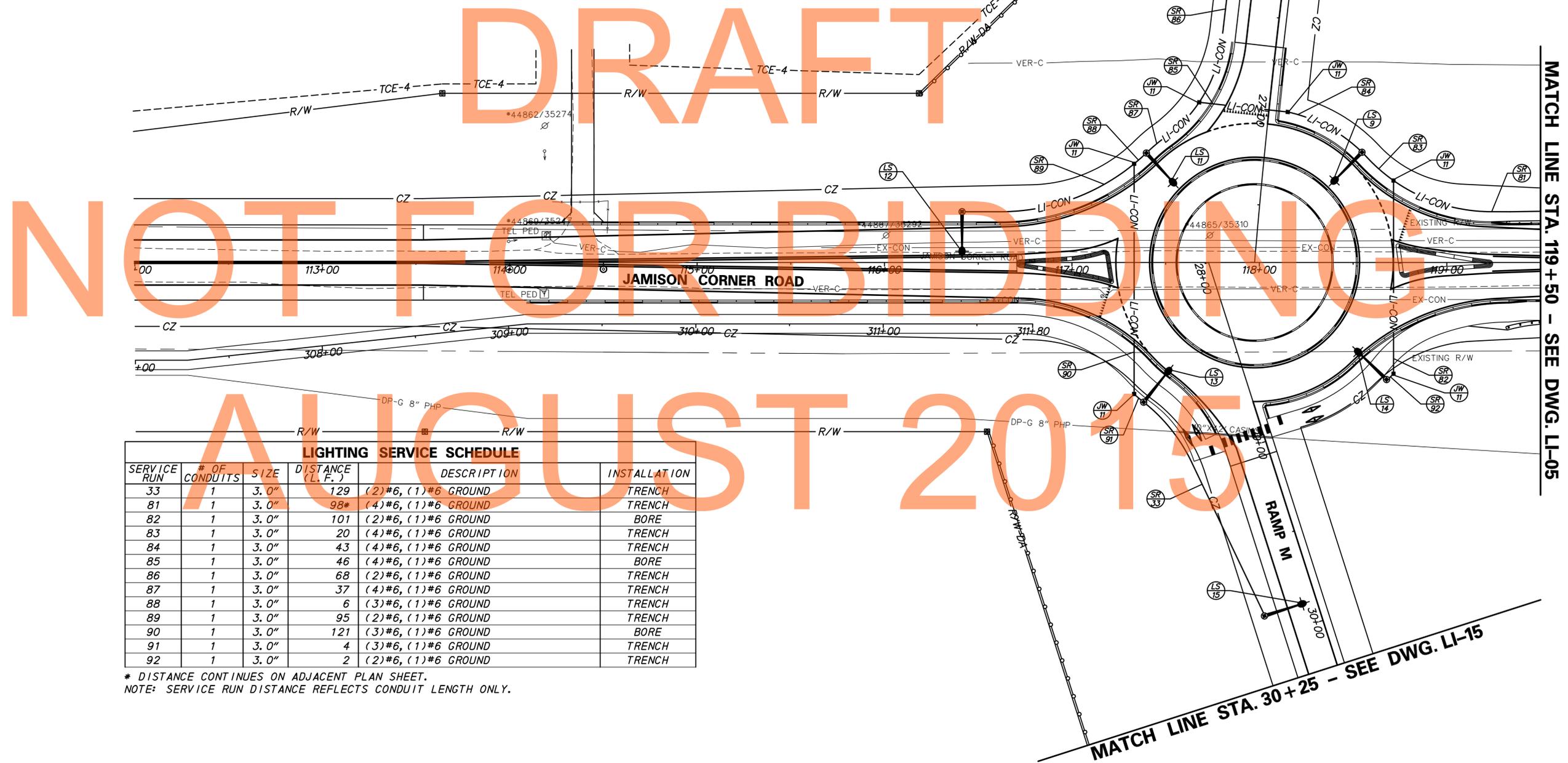
LI-08
SHEET NO. 760
TOTAL SHTS. 875

LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	PROPOSED LIGHTING SERVICE RUN
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-9	6	118+54.7	58.6' LT.	30'	8'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-10	2	26+30.0	29.0' RT.	30'	12'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-11	4	117+39.7	58.2' LT.	30'	8'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-12	6	116+41.4	27.0' LT.	30'	15'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-13	2	117+38.3	74.3' RT.	30'	20'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-14	4	118+67.8	62.3' RT.	30'	20'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-15	4	29+88.2	29.0' RT.	40'	12'	250 W HPS, IES TYPE 3 DISTRIBUTION



LIGHTING SERVICE SCHEDULE

SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
33	1	3.0"	129	(2)#6, (1)#6 GROUND	TRENCH
81	1	3.0"	98*	(4)#6, (1)#6 GROUND	TRENCH
82	1	3.0"	101	(2)#6, (1)#6 GROUND	BORE
83	1	3.0"	20	(4)#6, (1)#6 GROUND	TRENCH
84	1	3.0"	43	(4)#6, (1)#6 GROUND	TRENCH
85	1	3.0"	46	(4)#6, (1)#6 GROUND	BORE
86	1	3.0"	68	(2)#6, (1)#6 GROUND	TRENCH
87	1	3.0"	37	(4)#6, (1)#6 GROUND	TRENCH
88	1	3.0"	6	(3)#6, (1)#6 GROUND	TRENCH
89	1	3.0"	95	(2)#6, (1)#6 GROUND	TRENCH
90	1	3.0"	121	(3)#6, (1)#6 GROUND	BORE
91	1	3.0"	4	(3)#6, (1)#6 GROUND	TRENCH
92	1	3.0"	2	(2)#6, (1)#6 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.

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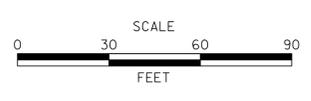
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ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

LIGHTING PLAN	SHEET NO. 761
	TOTAL SHTS. 875

LI-09
 SHEET NO.
 761
 TOTAL SHTS.
 875

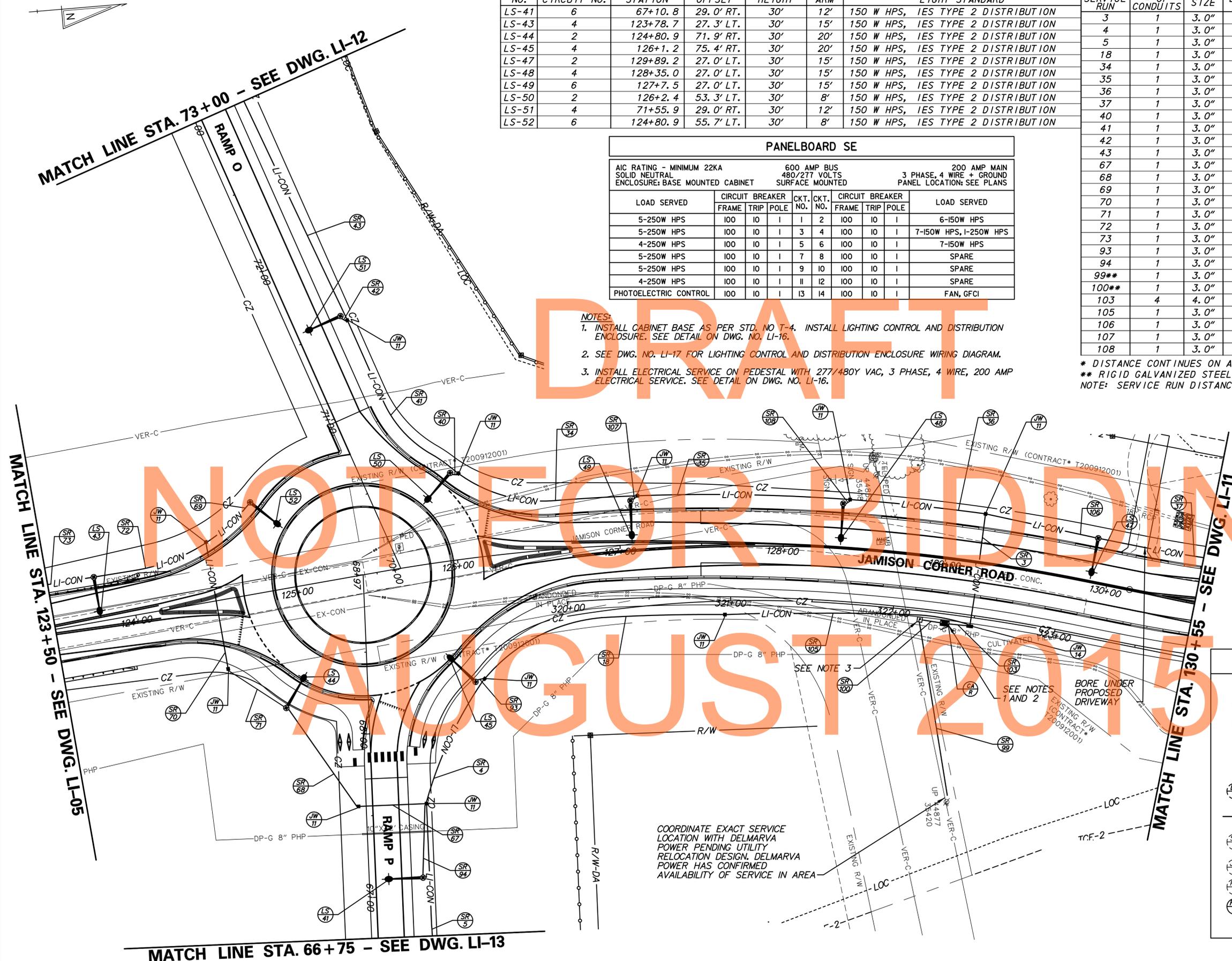
LIGHTING STANDARD SCHEDULE						
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-41	6	67+10.8	29.0' RT.	30'	12'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-43	4	123+78.7	27.3' LT.	30'	15'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-44	2	124+80.9	71.9' RT.	30'	20'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-45	4	126+1.2	75.4' RT.	30'	20'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-47	2	129+89.2	27.0' LT.	30'	15'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-48	4	128+35.0	27.0' LT.	30'	15'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-49	6	127+7.5	27.0' LT.	30'	15'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-50	2	126+2.4	53.3' LT.	30'	8'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-51	4	71+55.9	29.0' RT.	30'	12'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-52	6	124+80.9	55.7' LT.	30'	8'	150 W HPS, IES TYPE 2 DISTRIBUTION

LIGHTING SERVICE SCHEDULE					
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
3	1	3.0"	72	(8)#6, (1)#6 GROUND	BORE
4	1	3.0"	83	(8)#6, (1)#6 GROUND	TRENCH
5	1	3.0"	243*	(4)#6, (1)#6 GROUND	TRENCH
18	1	3.0"	157	(8)#6, (1)#6 GROUND	TRENCH
34	1	3.0"	111	(7)#6, (1)#6 GROUND	TRENCH
35	1	3.0"	128	(8)#6, (1)#6 GROUND	TRENCH
36	1	3.0"	81	(8)#6, (1)#6 GROUND	TRENCH
37	1	3.0"	141*	(2)#6, (1)#6 GROUND	TRENCH/BORE
40	1	3.0"	4	(2)#6, (1)#6 GROUND	TRENCH
41	1	3.0"	117	(6)#6, (1)#6 GROUND	TRENCH
42	1	3.0"	4	(2)#6, (1)#6 GROUND	TRENCH
43	1	3.0"	250*	(4)#6, (1)#6 GROUND	TRENCH
67	1	3.0"	40	(4)#6, (1)#6 GROUND	BORE
68	1	3.0"	73	(4)#6, (1)#6 GROUND	TRENCH
69	1	3.0"	35	(2)#6, (1)#6 GROUND	TRENCH
70	1	3.0"	77	(4)#6, (1)#6 GROUND	BORE
71	1	3.0"	41	(4)#6, (1)#6 GROUND	TRENCH
72	1	3.0"	70	(4)#6, (1)#6 GROUND	TRENCH
73	1	3.0"	30*	(4)#6, (1)#6 GROUND	TRENCH
93	1	3.0"	4	(2)#6, (1)#6 GROUND	TRENCH
94	1	3.0"	43	(2)#6, (1)#6 GROUND	TRENCH
99**	1	3.0"	108	(4)#4/0, (1)#2 GROUND	TRENCH
100**	1	3.0"	12	(4)#4/0, (1)#2 GROUND	TRENCH
103	4	4.0"	11	(12)#6, (1)#6 GROUND	TRENCH
105	1	3.0"	150	(8)#6, (1)#6 GROUND	TRENCH
106	1	3.0"	67	(3)#6, (1)#6 GROUND	TRENCH
107	1	3.0"	3	(2)#6, (1)#6 GROUND	TRENCH
108	1	3.0"	3	(2)#6, (1)#6 GROUND	TRENCH

PANELBOARD SE						
LOAD SERVED		CIRCUIT BREAKER FRAME		TRIP POLE		LOAD SERVED
5-250W HPS	100	10	1	1	2	6-150W HPS
5-250W HPS	100	10	1	3	4	7-150W HPS, 1-250W HPS
4-250W HPS	100	10	1	5	6	7-150W HPS
5-250W HPS	100	10	1	7	8	SPARE
5-250W HPS	100	10	1	9	10	SPARE
4-250W HPS	100	10	1	11	12	SPARE
PHOTOELECTRIC CONTROL	100	10	1	13	14	FAN, GFCI

- NOTES:**
- INSTALL CABINET BASE AS PER STD. NO T-4. INSTALL LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE. SEE DETAIL ON DWG. NO. LI-16.
 - SEE DWG. NO. LI-17 FOR LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE WIRING DIAGRAM.
 - INSTALL ELECTRICAL SERVICE ON PEDESTAL WITH 277/480Y VAC, 3 PHASE, 4 WIRE, 200 AMP ELECTRICAL SERVICE. SEE DETAIL ON DWG. NO. LI-16.

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
 ** RIGID GALVANIZED STEEL CONDUIT
 NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



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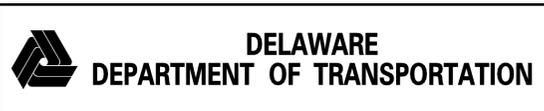
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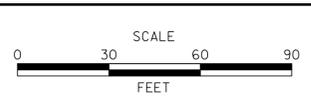
LIGHTING SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	PROPOSED LIGHTING SERVICE RUN
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

COORDINATE EXACT SERVICE LOCATION WITH DELMARVA POWER PENDING UTILITY RELOCATION DESIGN. DELMARVA POWER HAS CONFIRMED AVAILABILITY OF SERVICE IN AREA

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ADDENDUMS / REVISIONS



US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

LIGHTING PLAN	LI-10
	SHEET NO.
	762
TOTAL SHTS.	875

NOTES:

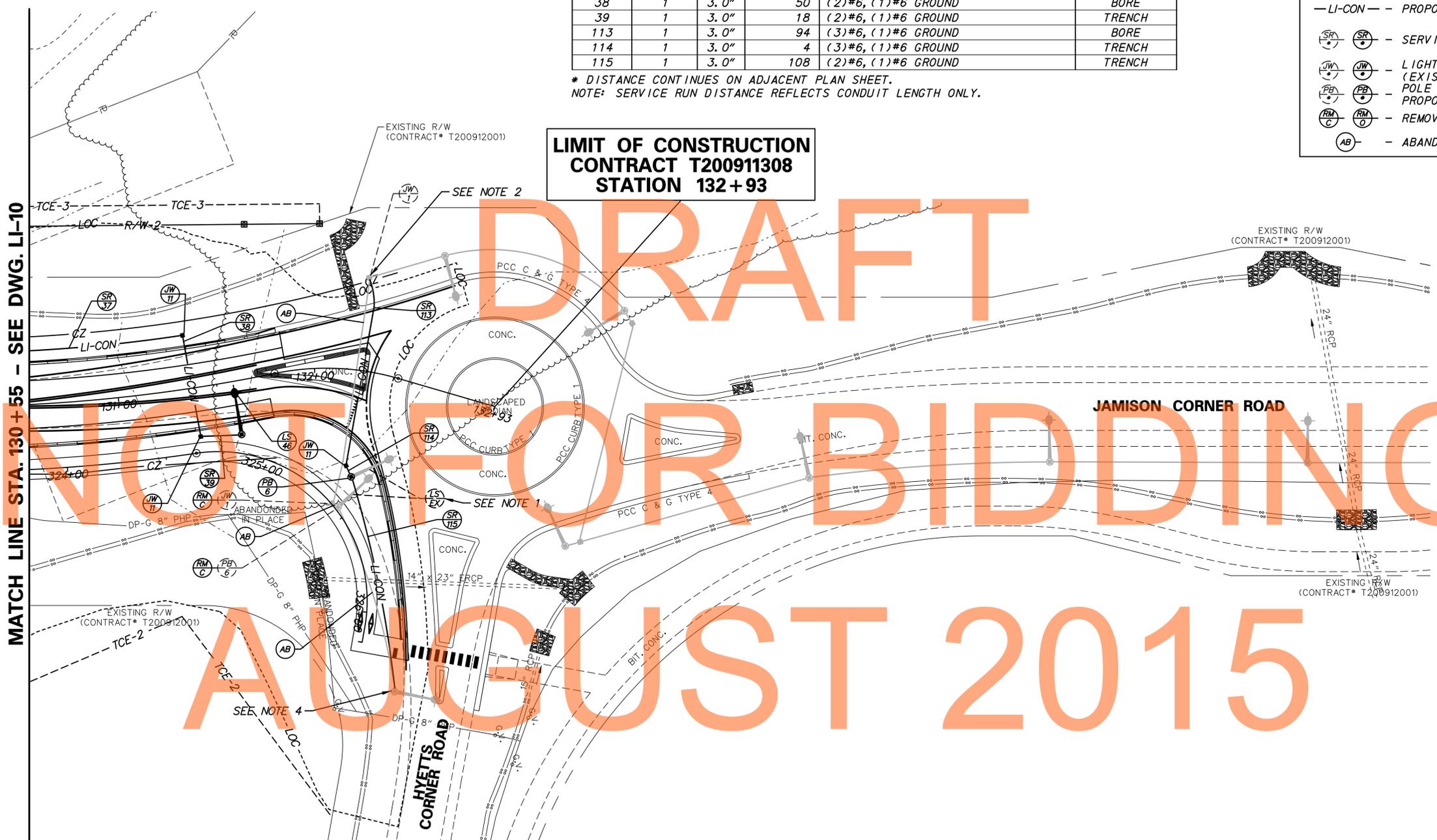
1. RELOCATE EXISTING LIGHT POLE PROPOSED BY OTHERS IN CONTRACT NO. T200912001 TO PROPOSED POLE BASE.
2. SPLICE THE PROPOSED (3)*6 ELECTRICAL CABLES IN SERVICE RUN NO. 113 TO THE EXISTING (3)*6 ELECTRICAL CABLES IN THE EXISTING JUNCTION WELL. SPLICE THE ELECTRICAL CABLES SO THAT THE EXISTING ROUNDABOUT LIGHTING OPERATES OFF THE SAME CIRCUIT AND PHASE AS IS EXISTING. REPAIR EXISTING JUNCTION WELL.
3. ALL PROPOSED LIGHTING SHOWN SCREENED ON THIS PLAN IS PROPOSED BY OTHERS UNDER CONTRACT NO. T200912001.
4. COUPLE PROPOSED SERVICE RUN NO. 115 TO THE EXISTING CONDUIT BEND IN THE EXISTING FOUNDATION.

LIGHTING STANDARD SCHEDULE						
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LS-46	6	131+58.0	27.0' RT.	30'	15'	150 W HPS, IES TYPE 2 DISTRIBUTION
LS-EX	EX.	132+27.3	53.6' RT.	30'	12'	

LIGHTING SERVICE SCHEDULE						
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION		INSTALLATION
37	1	3.0"	141*	(2)*6, (1)*6 GROUND		TRENCH
38	1	3.0"	50	(2)*6, (1)*6 GROUND		BORE
39	1	3.0"	18	(2)*6, (1)*6 GROUND		TRENCH
113	1	3.0"	94	(3)*6, (1)*6 GROUND		BORE
114	1	3.0"	4	(3)*6, (1)*6 GROUND		TRENCH
115	1	3.0"	108	(2)*6, (1)*6 GROUND		TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	PROPOSED LIGHTING SERVICE RUN
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

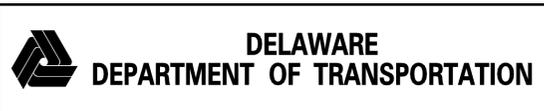


MATCH LINE STA. 130+55 - SEE DWG. LI-10

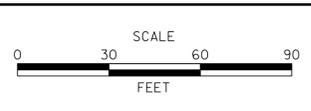
**LIMIT OF CONSTRUCTION
CONTRACT T200911308
STATION 132+93**

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ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

LIGHTING PLAN

LI-11
SHEET NO. 763
TOTAL SHTS. 875

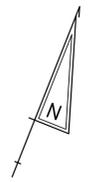
LIGHTING SYMBOL LEGEND

- SYMBOL DESCRIPTION**
- PROPOSED LIGHTING STANDARD AND POLE BASE
 - PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
 - PROPOSED LIGHTING JUNCTION WELL
 - PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
 - LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
 - LI-CON - PROPOSED LIGHTING SERVICE RUN
 - SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
 - LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
 - POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
 - REMOVE BY CONTRACTOR / REMOVE BY OTHERS
 - ABANDON BY CONTRACTOR

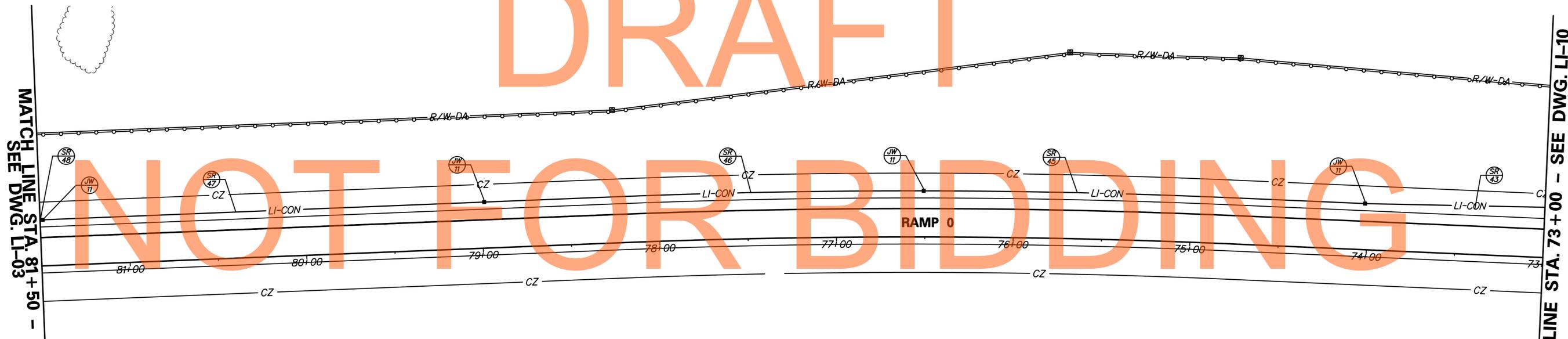
LIGHTING SERVICE SCHEDULE

SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
43	1	3.0"	250*	(4)#6, (1)#6 GROUND	TRENCH
45	1	3.0"	250	(4)#6, (1)#6 GROUND	TRENCH
46	1	3.0"	250	(4)#6, (1)#6 GROUND	TRENCH
47	1	3.0"	250	(4)#6, (1)#6 GROUND	TRENCH
48	1	3.0"	250*	(4)#6, (1)#6 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



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ADDENDUMS / REVISIONS	



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

LIGHTING PLAN

LI-12
SHEET NO. 764
TOTAL SHTS. 875

LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	PROPOSED LIGHTING SERVICE RUN
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

LIGHTING SERVICE SCHEDULE					
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
5	1	3.0"	243*	(4)#6, (1)#6 GROUND	TRENCH
95	1	3.0"	249	(4)#6, (1)#6 GROUND	TRENCH
96	1	3.0"	248	(4)#6, (1)#6 GROUND	TRENCH
98	1	3.0"	249*	(4)#6, (1)#6 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



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ADDENDUMS / REVISIONS	



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

LIGHTING PLAN

LI-13
SHEET NO. 765
TOTAL SHTS. 875

LIGHTING SYMBOL LEGEND

- SYMBOL DESCRIPTION**
- PROPOSED LIGHTING STANDARD AND POLE BASE
 - PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
 - PROPOSED LIGHTING JUNCTION WELL
 - PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
 - LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
 - LI-CON - PROPOSED LIGHTING SERVICE RUN
 - SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
 - LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
 - POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
 - REMOVE BY CONTRACTOR / REMOVE BY OTHERS
 - ABANDON BY CONTRACTOR

LIGHTING SERVICE SCHEDULE

SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
64	1	3.0"	169*	(2)#6, (1)#6 GROUND	TRENCH
65	1	3.0"	36	(2)#6, (1)#6 GROUND	BORE
66	1	3.0"	14*	(2)#6, (1)#6 GROUND	TRENCH

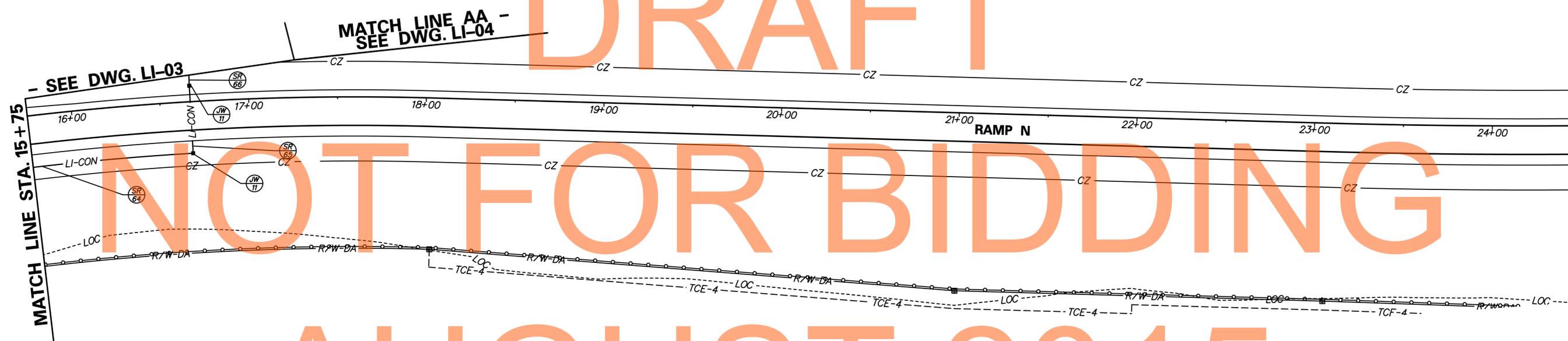
* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.



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AUGUST 2015

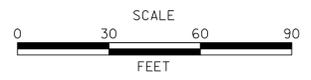


MATCH LINE STA. 24+75 - SEE DWG. LI-09

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ADDENDUMS / REVISIONS	



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

LIGHTING PLAN

LI-14
SHEET NO. 766
TOTAL SHTS. 875

LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING STANDARD AND POLE BASE
	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	PROPOSED LIGHTING JUNCTION WELL
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH DISCONNECT SWITCH
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
—LI-CON—	PROPOSED LIGHTING SERVICE RUN
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
	ABANDON BY CONTRACTOR

NOTES:
1. NO LIGHTING PROPOSED ON THIS PLAN SHEET. SHEET SHOWN FOR REFERENCE PURPOSES ONLY.



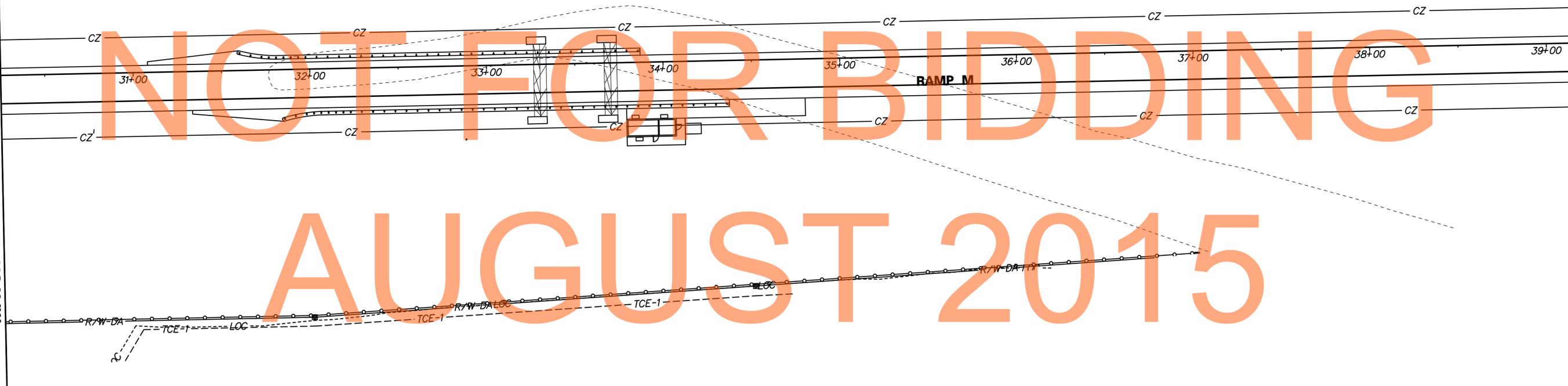
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AUGUST 2015

MATCH LINE STA. 30+25 - SEE DWG. LI-09

MATCH LINE STA. 39+25 - SEE DWG. LI-06



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ADDENDUMS / REVISIONS	

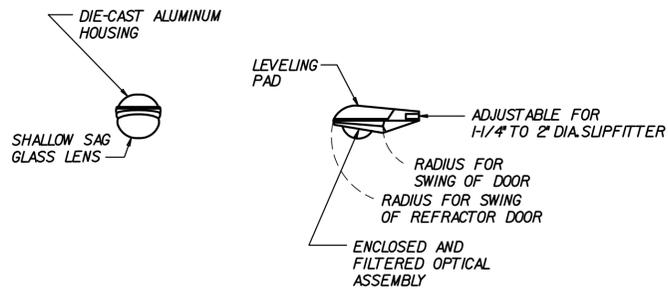


US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: J.D.C.
COUNTY	CHECKED BY: J.M.M.
NEW CASTLE	

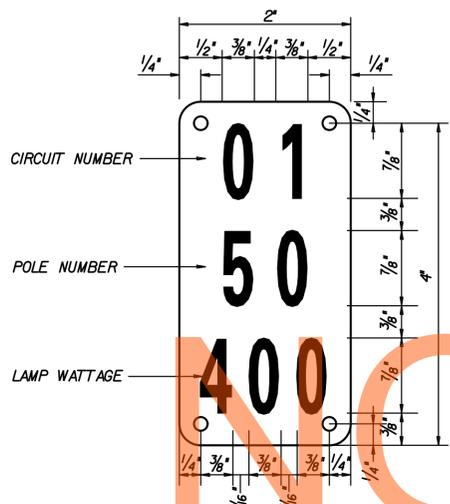
LIGHTING PLAN

LI-15
SHEET NO.
767
TOTAL SHTS.
875

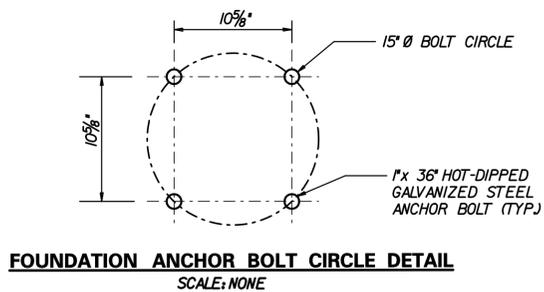


LUMINAIRE FIXTURE
SCALE: NONE

ALL PROPOSED LUMINAIRES SHALL BE HIGH PRESSURE SODIUM COBRAHEAD STYLE FIXTURES WITH A MEDIUM VERTICAL LIGHT DISTRIBUTION AND CUT-OFF OPTICS MOUNTED WITH A ZERO DEGREE TILT ANGLE. PHOTOCONTROL SHALL BE AT THE LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE. SEE LIGHTING STANDARD SCHEDULE ON PLANS FOR HORIZONTAL LIGHT DISTRIBUTION (TYPE II OR TYPE III) AND WATTAGE (150 WATT OR 250 WATT).

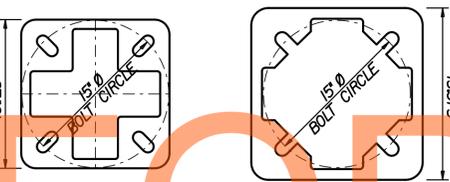
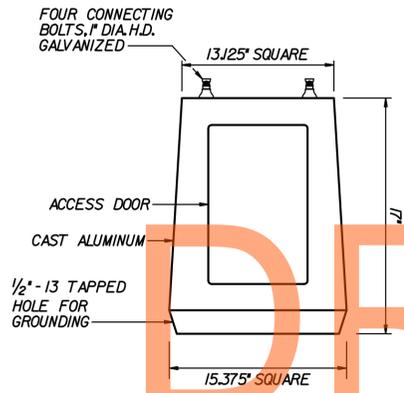


TYPICAL POLE IDENTIFICATION TAG
SCALE: NONE



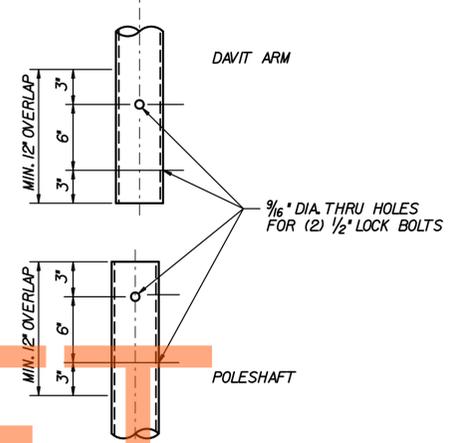
FOUNDATION ANCHOR BOLT CIRCLE DETAIL

SCALE: NONE



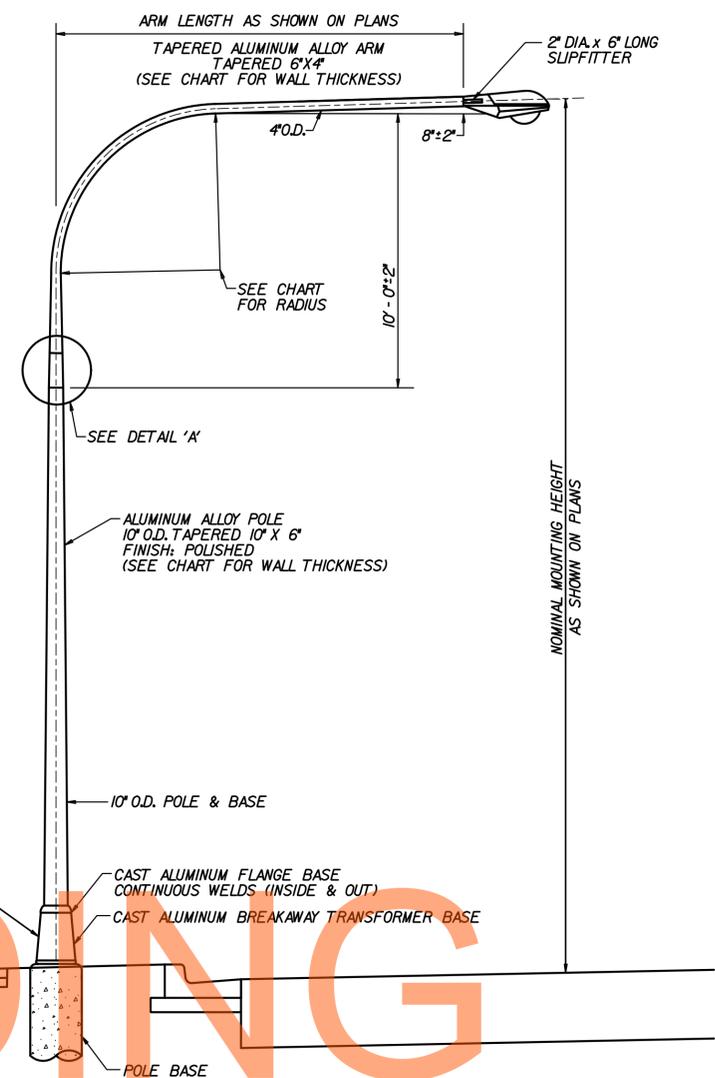
BREAKAWAY TRANSFORMER BASE DETAIL

SCALE: NONE



DETAIL 'A'

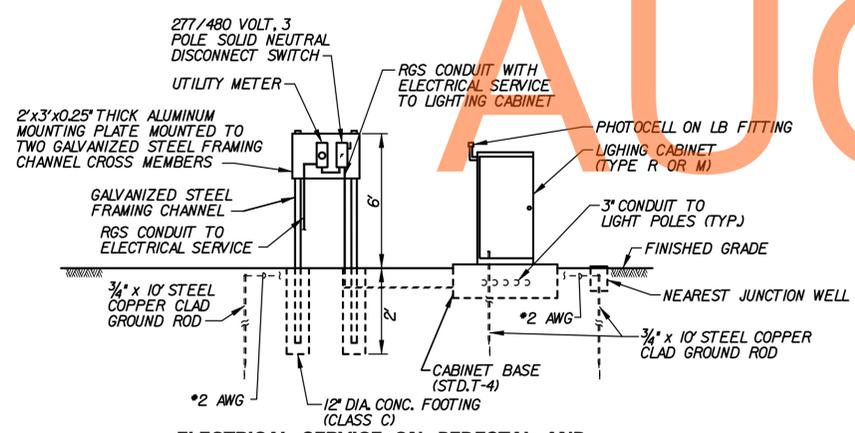
SCALE: NONE



ALUMINUM LIGHTING STANDARD WITH SINGLE DAVIT ARM

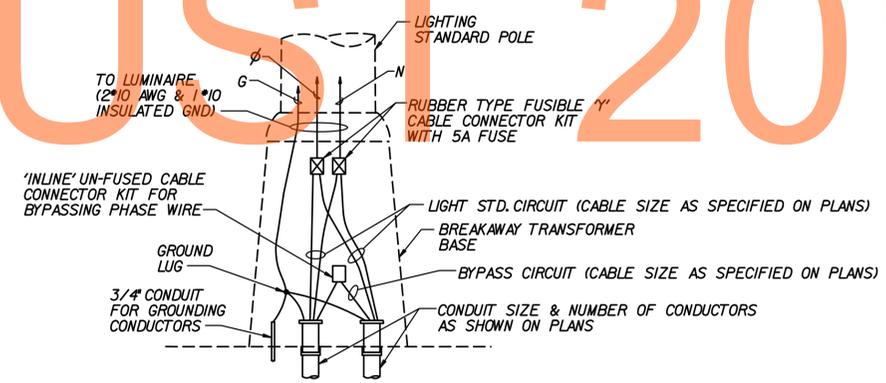
SCALE: NONE

MOUNTING HEIGHT	ARM LENGTH	BEND RADIUS	WALL THICKNESS
30'	8'	5'-6"	0.156"
30'	12'	5'-6"	0.156"
30'	15'	5'-6"	0.156"
30'	20'	7'-0"	0.156"
40'	12'	5'-6"	0.188"
40'	15'	5'-6"	0.188"



ELECTRICAL SERVICE ON PEDESTAL AND LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE

SCALE: NONE



WIRING IN TRANSFORMER BASE

SCALE: NONE

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ADDENDUMS / REVISIONS

NOT TO SCALE

US 301, SR 896 TO SR 1

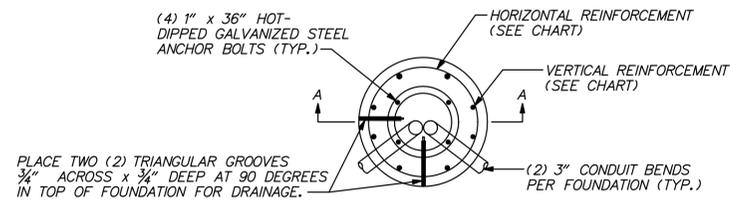
CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

LIGHTING DETAILS

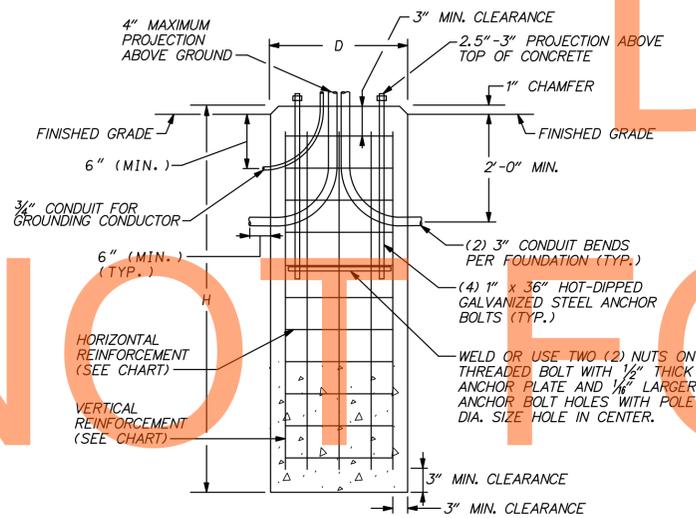
LI-16
SHEET NO. 768
TOTAL SHTS. 875

LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE WIRING DIAGRAM

LIGHTING STANDARD POLE BASE DETAIL



PLAN VIEW

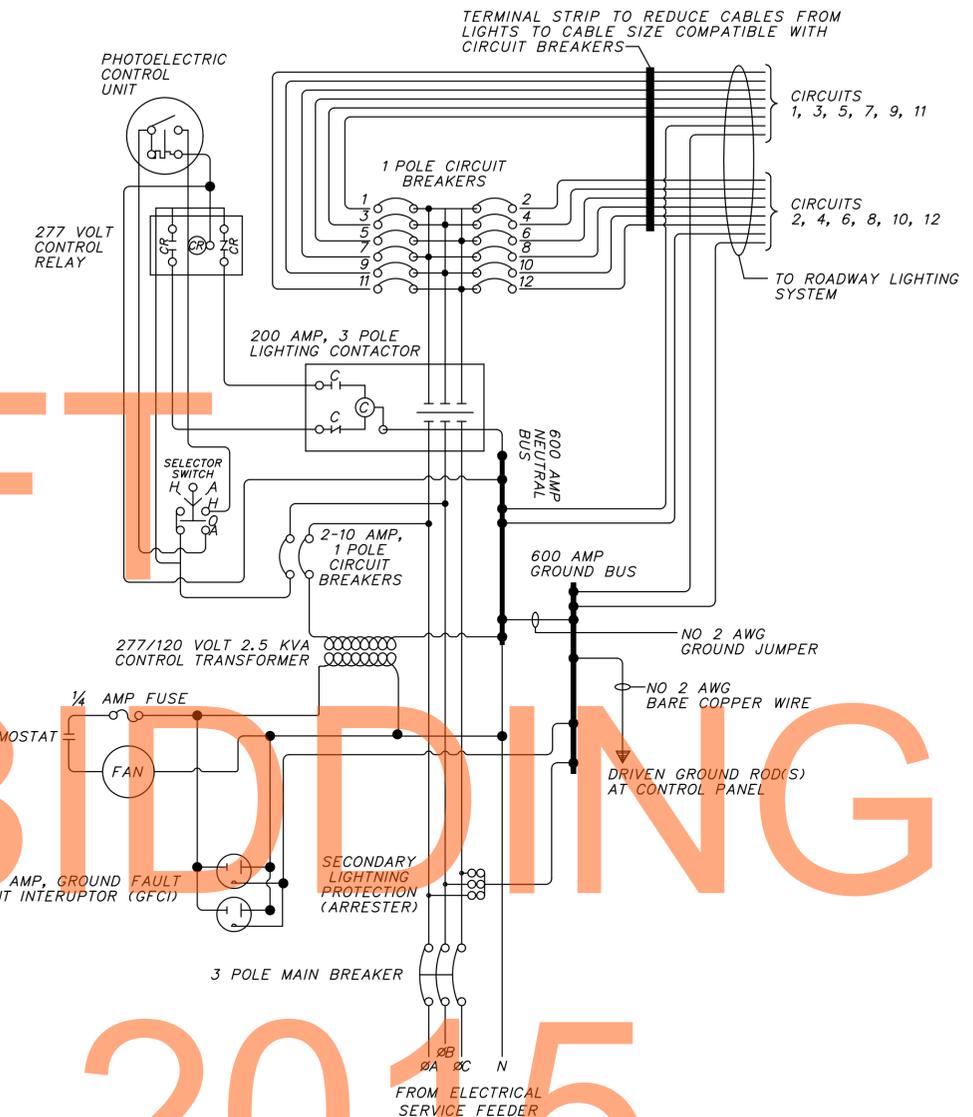


SECTION A-A

NOMINAL MOUNTING HEIGHT	DIAMETER (D)	HEIGHT (H)	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	CONCRETE REQUIRED (C.Y.)
30', 35' OR 40'	2.5'	11.5'	8 NO. 7	NO. 3 TIES AT 1'-0" CENTER TO CENTER	2.1

NOTES:

- ANCHOR BOLTS SHALL BE PLUMB. A 1/4" THICK STEEL TEMPLATE SHALL BE USED FOR INSTALLATION OF ANCHOR BOLTS.
- FOUNDATION SHALL NOT BE INSTALLED IN DRAINAGE DITCH.



NOTES:

- ALL WIRING FROM SERVICE FEEDS SHALL BE INSTALLED IN FLEXIBLE CONDUIT WITHIN THE LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE.
- NO CONDUCTORS MAY ENTER OR EXIT THROUGH THE REAR OF ANY PANEL.
- THE LIGHTING CONTACTOR SHALL BE IN A PROPERLY SIZED ENCLOSURE.
- A CONTINUOUS GROUNDING CONDUCTOR SHALL BE INSTALLED FROM THE METER SOCKET THROUGH ALL PANELS, THEN TO THE GROUNDING ELECTRODE.
- ALL CONDUCTORS NOT IN CONDUIT SHALL BE BUNDLED OR WRAPPED AND SECURED IN CABINET AWAY FROM SHARP EDGES.
- ALL CABLES SHALL MEET AMPACITY REQUIREMENTS OF THE NATIONAL ELECTRIC CODE. THE MINIMUM CABLE SIZE SHALL BE NO. 12 AWG.
- ACTUAL NUMBER OF BREAKERS AND BREAKER RATING SHALL BE AS INDICATED ON PLANS AND RESPECTIVE PANEL SCHEDULES.

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ADDENDUMS / REVISIONS

NOT TO SCALE

US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	DESIGNED BY: J.D.C.
COUNTY	CHECKED BY: J.M.M.
NEW CASTLE	

LIGHTING DETAILS

LI-17

SHEET NO.
769
TOTAL SHTS.
875