



# DelDOT - Subdivision Lighting Design Checklist

Project Id.: \_\_\_\_\_

Date: \_\_\_\_\_

Subdivision Name: \_\_\_\_\_

Intersection Name: \_\_\_\_\_

Effective: 12/11/2020

Comment Ref No.	Checklist Topic/Content	Item Addressed?	Justifications are Required if: N or N/A
<b>SECTION 1: PHOTOMETRICS</b>			
1.1	Coordination completed with DelDOT traffic reviewer for area to be illuminated and lighting design criteria.		
1.2	Lighting design report provided.		
1.3	Photometric calculations completed.		
1.4	Photometric figure provided as part of the Lighting Design Report		
1.5	Correct distribution type used.		
1.6	Appropriate luminaire used (coordinate proposed fixture with maintenance district).		
1.7	.ies file(s) provided.		
<b>SECTION 2: PLAN DEVELOPMENT</b>			
2.1	If new lighting is proposed, have the warrants been met? Coordination with DelDOT Traffic Study Section for limits of lighting work and lighting warrants, as necessary.		
2.2	Only pertinent levels (i.e. existing and proposed geometrics and utilities, drainage and clearzone) shown on the plans.		
2.3	Base mapping shown.		
2.4	Existing lighting equipment shown.		
2.5	North arrow shown and at correct orientation.		
2.6	Legend shown and matches symbols on plan.		
2.7	Plans shown at correct scale.		
2.8	Existing and proposed right-of-way shown.		
2.9	All equipment within right-of-way.		
2.10	Proposed right of way and easement shown, if applicable.		
2.11	Limit of construction shown on plans.		
2.12	Project-specific lighting notes shown.		
2.13	Street names and route numbers shown.		
2.14	Current border, signature block and revision block used.		
2.15	Circuit diagram included.		
2.16	All proposed lighting equipment is labeled correctly.		
2.17	All existing lighting equipment to be removed is labeled.		

2.18	Power source location and the type of service coordinated with utility company.		
2.19	Power source pole number shown.		
2.20	Service disconnect and meter placed 10' or less from the power source.		
2.21	Additional service disconnect provided where the pedestal meter is across the roadway or where the cabinet is located more than 50' from the power source.		
2.22	Standard controller cabinet placed with the door facing away from the road.		
2.23	Lighting system properly grounded.		
2.24	Controller cabinet placement permits safe access. Cabinet is protected, if needed.		
2.25	Correct cabinet size used based on the number of light fixtures needed.		
2.26	Cabinet base extension provided for Type P/R and Type M cabinets.		
2.27	No utility lighting proposed.		
2.28	Appropriate lighting poles used.		
2.29	Appropriate davit arm length used.		
2.30	Appropriate foundations used.		
2.31	Lighting equipment placed outside of clear zone, if possible.		
2.32	Junction wells, conduit and wires are the correct size and type.		
2.33	Sole source items used for lighting projects in Kent County and Sussex County.		
2.34	Conduit fill capacity checked.		
2.35	Lighting service schedule filled out correctly.		
2.36	Lighting standard schedule filled out correctly.		
2.37	Equipment locations do not affect maintenance activities.		
2.38	Underground utility conflicts avoided.		
2.39	Overhead utility conflicts avoided.		
2.40	All details for special equipment provided.		
2.41	Cover sheet provided. (May not be needed for smaller projects)		
2.42	Index sheet provided. (May not be needed for smaller projects)		
2.43	Project notes sheet provided. (Separate project notes sheet may not be needed for smaller projects)		
2.44	Lighting details sheet provided.		
2.45	Voltage drop calculations checked and provided.		
2.46	Correct wire size used based on the circuit layout.		