


TRAFFIC OPERATIONS POLICY DIRECTIVE

TR-001 (REV 6/2021)

TRAFFIC OPERATIONS POLICY DIRECTIVE	NUMBER: 21 - 09	PAGE: 1 of 3
JASVINDERJIT S. BHULLAR, DIVISION CHIEF (Signature) 	DATE ISSUED: August 6, 2021	EFFECTIVE DATE: August 6, 2021
SUBJECT: Caltrans Roadway Lighting Manual	DISTRIBUTION <input checked="" type="checkbox"/> All District Directors <input checked="" type="checkbox"/> All Deputy District Directors - Traffic Operations <input type="checkbox"/> Chief Counsel, Legal Division Headquarters Division/Program Chiefs for: <input checked="" type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Design <input checked="" type="checkbox"/> Planning <input checked="" type="checkbox"/> Safety Programs <input type="checkbox"/> Additional:	
DOES THIS DIRECTIVE AFFECT OR SUPERSEDE ANOTHER DOCUMENT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	IF YES, DESCRIBE Supersedes Traffic Manual, Chapter 9, Sections 9-06 through 9-12	
WILL THIS DIRECTIVE BE INCORPORATED IN A DEPARTMENT MANUAL, GUIDELINE OR STANDARD PLAN? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	IF YES, DESCRIBE Caltrans Standards, Electrical System Design Manual	

DIRECTIVE

Lighting systems that are within the State Highway System (SHS) should adhere to the lighting requirements in the [Caltrans Roadway Lighting Manual](#).

TRAFFIC OPERATIONS POLICY DIRECTIVE**IMPLEMENTATION**

Caltrans Roadway Lighting Manual requirements should apply to lighting systems that are within the SHS project limits. Maintenance activities may also adhere to the Caltrans Roadway Lighting Manual.

Lighting requirements should adhere to the Caltrans Roadway Lighting Manual according to the following schedule:

- Capital Outlay Support (COS) projects that have a signed Project Report after December 31, 2021
- Permit projects that have been approved after December 31, 2021
- Highway Maintenance Funded projects that have been approved after December 31, 2021

COS projects that are in Construction or have a Project Report that are signed on or before December 31, 2021 may adhere to the Caltrans Roadway Lighting Manual.

DELEGATION

No new delegations of authority are created under this policy.

BACKGROUND

Prior to this directive, lighting design practices utilized Iso-footcandle curves to ensure that minimum safety lighting levels are being met.

To ensure that the Department's lighting design practices are in line with national lighting design practices, Caltrans is following lighting design practices established in the nationally-published ANSI/IES RP-8-18, "Recommended Practice for Design and Maintenance of Roadway and Parking Facility Lighting".

These new lighting requirements will focus on illuminating "Conflict Areas" while providing uniform lighting. Roadway Lighting Analysis software and training will be provided to the Caltrans district designers for performing lighting analysis on projects that include lighting.

The Roadway Lighting Manual supersedes the Traffic Manual, Chapter 9, Sections 9-06 through 9-12.

TRAFFIC OPERATIONS POLICY DIRECTIVE**DEFINITIONS**

When used in this Traffic Operations Policy Directive, the text shall be defined as follows:

- 1) **Standard** – a statement of required, mandatory or specifically prohibited practice. All standards text appears in **bold** type. The verb **shall** is typically used. Standards are sometimes modified by Options.
 - 2) Guidance – a statement of recommended, but not mandatory, practice in typical situations, with deviations allowed if engineering judgment or engineering study indicates the deviation to be appropriate. All Guidance statements text appears in underline type. The verb should is typically used. Guidance statements are sometime modified by Options.
 - 3) Option – a statement of practice that is a permissive condition and carries no requirement or recommendation. Options may contain allowable modifications to a Standard or Guidance. All Option statements text appears in normal type. The verb may is typically used.
 - 4) Support – an informational statement that does not convey any degree of mandate, recommendation, authorization, prohibition, or enforceable condition. Support statements text appears in normal type. The verbs shall, should and may are not used in Support statements.
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