

CITY OF LOS ANGELES
DEPARTMENT OF TRANSPORTATION

August 14, 2024

TRAFFIC
CONTROL
REPORT

5 – Western District, SR# 1-4867415891
Carolwood Dr (E. jog) & Sunset Blvd
Supersedes TCR dated: February 15, 2023

TRAFFIC SIGNAL

DETERMINATIONS

1. That a new traffic signal, along with appropriate signs, marked crosswalks, red curb zones, and pavement markings, be authorized for installation at the intersection of the east jog of Carolwood Drive and Sunset Boulevard. (L.A.M.C. Sections 80.07(d), 80.08, 80.08.2, 80.37, and 80.55)
2. That protected-only left-turn signal phasing be authorized for eastbound Sunset Boulevard at the east jog of Carolwood Drive as part of the operation of the traffic signal. (L.A.M.C. Sections 80.07(a) and (d), and 80.08.2)
3. That protected/permissive left-turn phasing be authorized for westbound Sunset Boulevard at the east jog of Carolwood Drive as part of the operation of the traffic signal. (L.A.M.C. Sections 80.07(a) and (d) and 80.08.2)
4. That the traffic signal be fully actuated and feature appropriate hardware to support rest-in-red operation. (L.A.M.C. Sections 80.07(d) & 80.08)
5. That the traffic signal be designed and constructed under the B-Permit process of the Bureau of Engineering with all costs of design and construction to be borne by the Permittee.

DISCUSSION

The Department of Transportation received a traffic engineering analysis from KOA Corporation for a traffic signal at the intersection of the east jog of Carolwood Drive and Sunset Boulevard. This analysis was conducted to support a large, two-parcel residence located at 10100 and 10080 Sunset Boulevard that will feature two large driveways (one of which faces the east jog of Carolwood Drive).

The following attributes apply to Sunset Boulevard at the east jog of Carolwood Drive: A roadway classification of "Avenue I" in the Mobility Plan 2035 Element of the City's General Plan, average daily traffic of approximately 29,000 vehicles; a posted speed of 35 miles per hour; two full-time through lanes in each direction with a two-way left-turn lane and no parking on either side of the street. Carolwood Drive is classified as a "Local Street". The nearest traffic signals along Sunset Boulevard are located approximately 3,750 feet to the west – at the east jog of Beverly Glen Boulevard, and 2,500 feet to the east – at Whittier Drive in the City of Beverly Hills. There are Metro bus stops located on both sides of the street.

Results of KOA's analysis indicate that this intersection satisfies the Department's "Eight Hour Volume", "Four Hour Volume", and "Coordinated Signal System" warrants for the installation of a traffic signal. Additionally, the geometry of the roadway restricts visibility of westbound through traffic for drivers preparing to make an eastbound left turn from Sunset Boulevard onto the east jog of Carolwood Drive.

Therefore, the eastbound approach satisfies the Department's "Geometry" guideline for protected-only left-turn signal phasing based on restricted sight distance per LADOT Standard Drawing S-497.0. As a result, the westbound approach satisfies the Department's "Opposing Direction" guideline for the installation of protected/permissive left-turn phasing. Additionally, since the intersection is isolated and far from adjacent signalized intersections, designing the signal to accommodate rest-in-red operation is appropriate to address any speeding issues.

The installation of a traffic signal and left turn signal phasing, as described in the Determinations, will promote the safe and orderly movement of vehicular and pedestrian traffic at this intersection, and is therefore, justified.

Recommended by:



Rudy Guevara, P.E.
Transportation Engineer
Western District

Approved by:



Vincent Chan, P.E.
Senior Transportation Engineer
District Operations – Coastal Area Division

cc: Councilmember Katy Yaroslavsky, 5th District, Attn.: George Hakopiants & Jarrett Thompson
KOA Corporation, Attn.: Diana Skidmore & George Rhyner
LADOT Project Coordination and Evaluation, Attn.: Tim Conger
LADOT West Los Angeles Development Review, Attn.: Robert Sanchez & Freddy Garcia