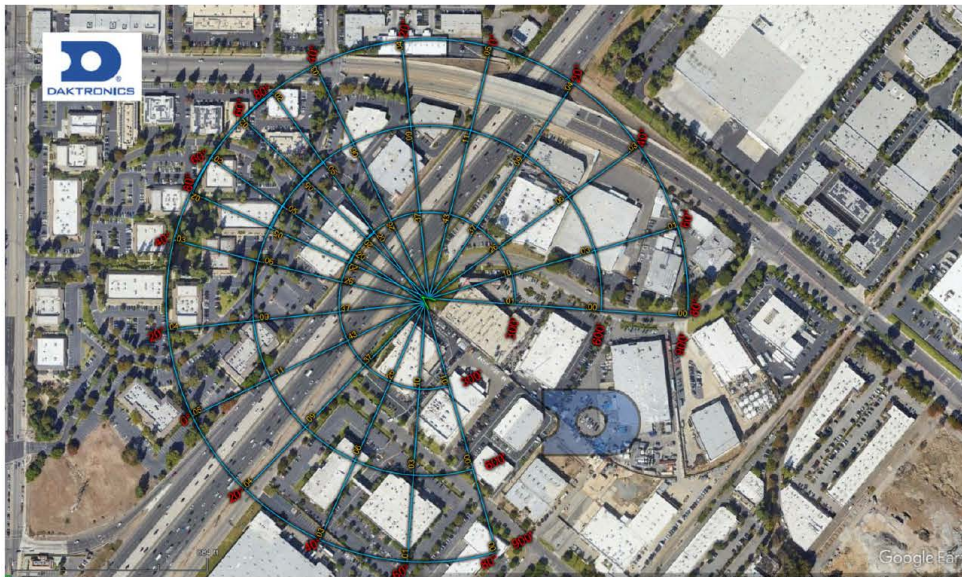


CUP No. 2023-17 For Del Amo Motorsports Digital Billboard
2401 S. Pullman St.



The proposed digital LED display pylon sign for Del Amo Motorsports shall operate as follows which adheres to all Cal Trans regulations:

- a. No motion, flashing or animation (as per Cal Trans)
- b. Message duration **eight (8)** seconds minimum (Cal Trans minimum is 4 seconds)
- c. Message transition shall have instant transition
- d. Automatic brightness control keyed to ambient light levels
- e. Display to go dark if there is a malfunction
- f. Hours of operation shall be from 5a to midnight
- g. Brightness shall be a maximum of 3,500 candelas per square meter daytime and 600 at night

For emergencies: (310) 956-5819, email: programmers@emisigns.com

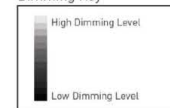
Compliance with Code: All signs and the installation thereof will comply with all local zoning, building, and electrical codes.

LED LIGHT MITIGATION TECHNOLOGICAL FEATURES

The following comprises the light pollution mitigation and control mechanisms which will be implemented and included in the operating hardware and software of the Del Amo Motorsports electronic LED displays designed for outdoor use.

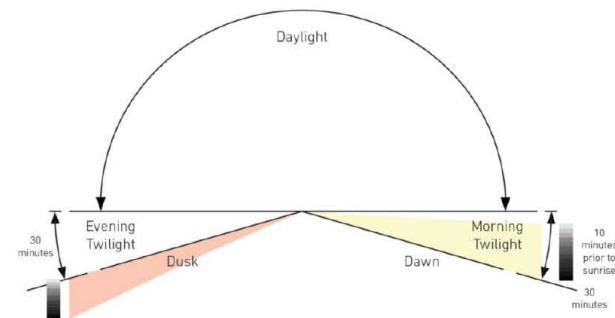
- A. LED Displays will have non-reflective, black, minimum 1" width, consistent, linear louvers, from end to end, above and below each individual row of pixels of LEDs (light emitting diodes) on all LED modules.
 - i. LED modules will have a black, ribbed background to prevent light refraction, reflection and diffusion.
- B. LED displays will be comprised of "Narrow Angle" LEDs (light emitting diodes) which reduce the horizontal cutoff of readability and illumination angles of the LEDs and direct the light in a focused cone instead of a wide angle spread.
- C. LED displays will have a consistently maintained photocell with brightness keyed to an astronomical calendar and capabilities to slowly brighten throughout morning twilight to dawn for a period of 20-30 minutes and to slowly dim throughout evening twilight after dusk to sunset for a period of 20-30 minutes.
 - i. Brightening and dimming will be at a rate of 1% dimming increments performed approximately every 12 seconds at the fastest speed.
 - ii. Photocell will be capable of automatically dimming LED display to ambient light other than dusk and dawn including adjustments to fog and overcast weather.

Dimming Key



- 1. 1% Increments to dimming are performed every 12 seconds.
- 2. It takes approximately 20 minutes to transition from the low dimming level to the high dimming level (assume 1% > 100%).

PHOTOCELL BRIGHTNESS
ASTRONOMICAL CALENDAR



EMI

LED SPECIFICATIONS & LIGHT ARRAY STUDIES