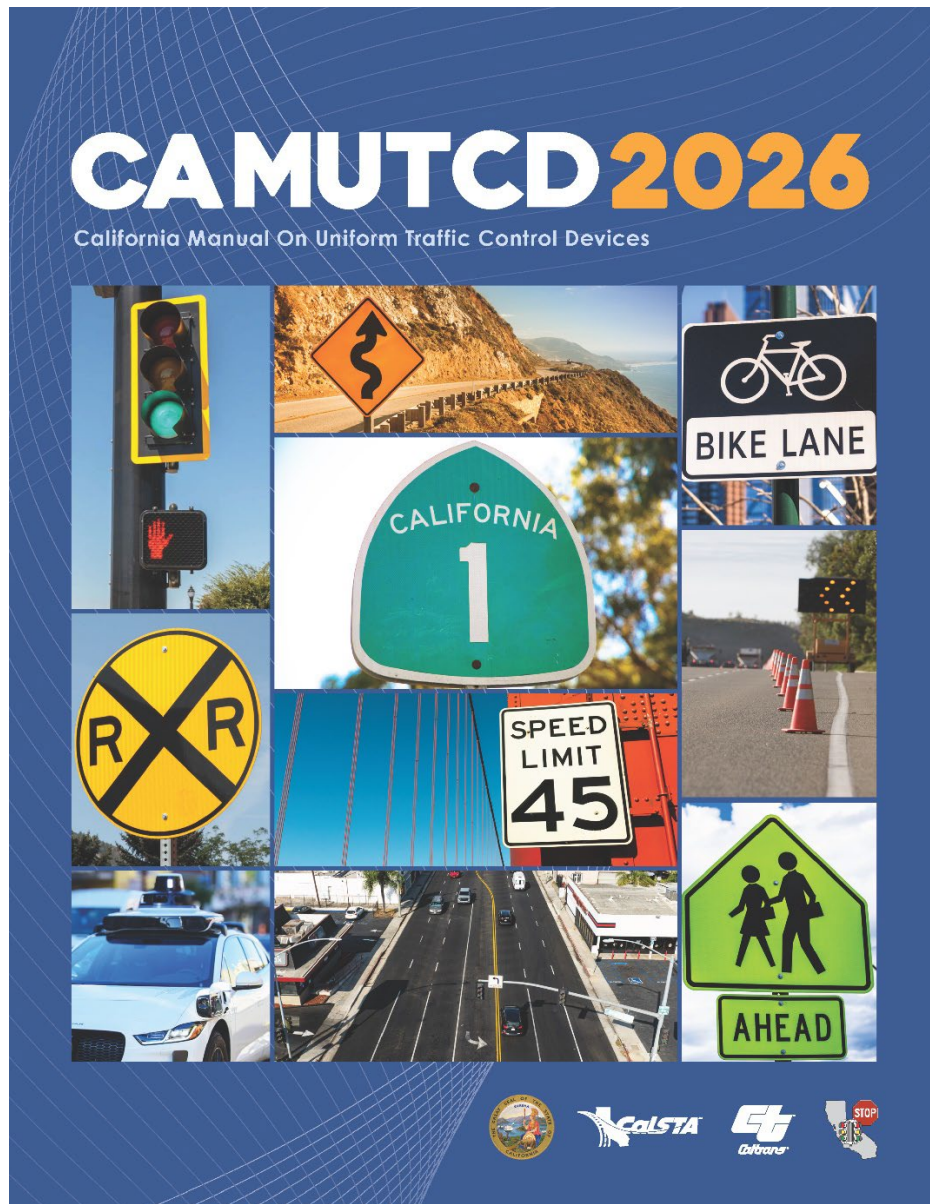


Los Angeles 2028 Olympics and Paralympics (LA28) SUPPLEMENT

To CA MUTCD 2026
(FHWA's MUTCD 2023 Edition, as amended for use in California)



July 15, 2026

NOTE:

The contents of this publication are not copyrighted. They may be reprinted freely.

The CA MUTCD 2026 LA28 Supplement is available on the Caltrans Web Page at:
<https://dot.ca.gov/programs/safety-programs/camutcd>

CALIFORNIA STATE TRANSPORTATION AGENCY

GAVIN NEWSOM, GOVERNOR

California Department of Transportation

DIVISION OF SAFETY PROGRAMS

P.O. BOX 942873, MS-49 | SACRAMENTO, CA 94273-0001

(916) 654-6130 | FAX (916) 653-5776 TTY 711 | www.dot.ca.gov

July 21, 2026

Mr. Robert W. Bronkall, Chair
County Engineers Association of California (CEAC) Representative
California Traffic Control Devices Committee
County Surveyor, Humboldt County Public Works
3033 H Street, Room 17
Eureka, CA 95501

Dear Mr. Bronkall:

This letter is to inform the California Traffic Control Devices Committee (CTCDC) that the California Department of Transportation (Caltrans) has issued the 2028 Los Angeles Olympics and Paralympics (LA28) Supplement to the California Manual on Uniform Traffic Control Devices (CA MUTCD) 2026. This action was taken pursuant to the provisions of California Vehicle Code Section 21400 and CTCDC recommendations in order to provide uniform standards and specifications for official traffic control devices used for the Games Route Network (GRN) that will be established during the LA28 Games.

On June 24, 2025, the California Department of Transportation (Caltrans) submitted the LA28 experiment request to the Federal Highway Administration (FHWA) Headquarters for approval. This experiment request was for use of light blue as a background color for the "LA28" word message, as a unique identifier to draw attention to GRN sign plaques and panels, aiding recognition and comprehension of the dedicated lanes on GRN roadways to facilitate travel during the LA28 Games. Caltrans received and addressed FHWA's comments on the experiment request, then submitted a revised LA28 experiment request on August 5, 2025. FHWA approval for the experiment request was received on August 13, 2025.

Caltrans collaborated with the FHWA to develop the LA28 Supplement to the California Manual on Uniform Traffic Control Devices (CA MUTCD) to support the LA28 experiment request. Caltrans presented both the LA28 Experiment Request (CTCDC Item 25-15) and LA28 Supplement (CTCDC Item 24-15) at the August 7, 2025 CTCDC meeting, receiving the committee's recommendation for both items.

On July 15, 2026, Caltrans sent a request for acceptance for the LA28 Supplement to the Federal Highway Administration (FHWA) California Division. On the same day, FHWA accepted the LA28 Supplement, and therefore the LA28 Supplement became effective on July 15, 2026.

"Improving lives and communities through transportation."

Mr. Bronkall, CTCDC Chair; County Surveyor, Humboldt County Public Works
July 21, 2026
Page 2

The LA28 Supplement to CA MUTCD 2026 will be posted on the Internet at
<<https://dot.ca.gov/programs/safety-programs/camutcd>> and is attached to the
transmission of this email.

Caltrans is grateful to the CTCDC members for providing invaluable time and support
for the development of this supplement to the CA MUTCD 2026.

If you have any questions, please contact Timothy Kong, Acting Safety Systems and
Devices Coordinator and CA MUTCD Editor, by email at <Timothy.Kong@dot.ca.gov>.

Sincerely,

Shaila Chowdhury

Shaila Chowdhury, P.E.
Division Chief (Acting)
Division of Safety Programs
Caltrans

Attachments:
LA28 Supplement to CA MUTCD 2026

c: Godson Okereke, Acting Deputy Director, Maintenance and Operations, Caltrans
Gloria Roberts, Director, Caltrans District 7
Tasha Higgins, LA28 Games Liaison, Caltrans District 7
Duper Tong, Division Chief, Division of Traffic Operations (DTO), Caltrans
Inder Preet Singh, Deputy Division Chief, Transformational Mobility, DTO, Caltrans
Jaswinder (Sunny) Gill, Chief, Office of Connected Ecosystem, DTO, Caltrans
Devang Vora, Chief, Office of Safety Systems and Devices, Division of Safety
Programs (DOSP), Caltrans
Timothy Kong, Acting Safety Systems and Devices Coordinator
and CA MUTCD Editor, Office of Safety Systems and Devices, DOSP, Caltrans
Kelli Hutnick, Chief of Staff, Maintenance and Operations, Caltrans
Daniel Rubinstein, Chief of Staff, DOSP, Caltrans
Jessica Porras, Acting Chief of Staff, DTO, Caltrans
Steve Pyburn, Design Program Manager, Federal Highway Administration

"Improving lives and communities through transportation."

From: [Pyburn, Steve](#)
To: [Kong, Timothy@DOT](#)
Cc: [External, DougH](#); [Ferron, Eric \(FHWA\)](#); [Okereke, Godson@DOT](#); [Roberts, Gloria H@DOT](#); [Higgins, Tasha@DOT](#); [Chowdhury, Shaila K@DOT](#); [Tong, Duper C@DOT](#); [Singh, Inder Preet@DOT](#); [Gill, Jaswinder@DOT](#); [Vora, Devang K@DOT](#); [Hutnick, Kelli@DOT](#); [Rubinstein, Daniel@DOT](#); [Porras, Jessica@DOT](#); [HQ Division of Road Safety@DOT](#)
Subject: Re: Caltrans Request: LA28 Supplement to the CA MUTCD - July 15, 2026
Date: Wednesday, July 15, 2026 3:22:58 PM
Attachments: [noname](#)

Timothy,

I am writing response to the July 15, 2026, request to review and accept the LA28 Supplement to the California Manual on Uniform Traffic Control Devices, (Supplement), dated July 7, 2026.

This supplement provides a uniform strategy for designating the Games Route Network (GRN) required for the 2028 Olympic and Paralympic Games. Implementing the traffic control devices identified in the Supplement on freeways and local roadways will optimize traffic operations and safety for GRN users and the traveling public in general. We have reviewed the supplement and find it acceptable.

We commend Caltrans for publishing the supplement. We would like to recognize Caltrans staff who worked countless hours to ensure federal requirements for the GRN can be met and who coordinated with local agency partners. At the risk of overlooking certain people, we acknowledge your the efforts and those of Tasha Higgins, Mario Lozano-Cisneros, Jeri Fabian, Anh Nguyen, Nima Haddadi, Kevin Riley, Christian Clarion, Yusuf Shatnawi, and many others.

We look forward to working with your staff to refine requirements for traffic control devices needed for the GRN, as the need arises, and to assist with GRN implementation as the deadline for the Games approaches. Feel free to reach out with any questions you may have moving forward.



Steve Pyburn, PE, TE
Design Program Manager
Federal Highway Administration
U.S. Department of Transportation
(916) 498-5057
steve.pyburn@dot.gov

CALIFORNIA STATE TRANSPORTATION AGENCY

GAVIN NEWSOM, GOVERNOR

California Department of Transportation

DIVISION OF SAFETY PROGRAMS
P.O. BOX 942873, MS-49 | SACRAMENTO, CA 94273-0001
(916) 654-6130 | FAX (916) 653-5776 TTY 711 | www.dot.ca.gov



July 15, 2026

Mr. Doug Hecox, Acting California Division Administrator
Attn: Eric Ferron, Director, Technical Services
Federal Highway Administration
650 Capitol Mall, Suite 4-100
Sacramento, CA 95814

Dear Mr. Hecox:

The 2028 Los Angeles Olympics and Paralympics (LA28), which includes the Summer Olympics (July 14-30, 2028) and Summer Paralympics (August 15-27, 2028), will establish a Games Route Network (GRN) with dedicated lanes for Olympic Games vehicles to travel between venues to enable athletes and accredited persons arrive at their events and venues in a timely manner. The GRN will utilize existing freeways, expressways, highways, and local roads to provide a safe, and reliable transportation system. LA28 traffic control devices will be installed from Fall 2027 through July 1, 2028. The LA28 signs will be covered when installed and uncovered starting June 1, 2028. The facilities will be restored beginning September 1, 2028.

In order to facilitate the movement of athletes and Games personnel during the LA28 Games, some of the existing traffic control devices on GRN roadways will need to be changed temporarily and new traffic control devices will need to be temporarily installed to allow identification of the GRN priority lanes that have been dedicated for the travel of athletes and Games personnel. This will be accomplished by using "LA28" white or black legend on light blue background as a sign plaque or sign panel, and "LA28" pavement markings.

On June 24, 2025, the California Department of Transportation (Caltrans) submitted the LA28 experiment request to the Federal Highway Administration (FHWA) Headquarters for approval. This experiment request was for use of light blue as a background color for the "LA28" word message, as a unique identifier to draw attention to GRN sign plaques and panels, aiding recognition and comprehension of the dedicated lanes on GRN roadways to facilitate travel during the LA28 games. Caltrans developed the LA28 Supplement to the California Manual on Uniform Traffic Control Devices (CA MUTCD) to support the LA28 experiment request, and submitted the supplement to the FHWA California Division on June 24, 2025 for approval. Caltrans received and addressed FHWA's comments on the experiment request, then submitted a revised LA28 experiment request on August 5, 2025. FHWA approval for the experiment request

"Improving lives and communities through transportation."

Mr. Hecox, Acting California Division Administrator
July 15, 2026
Page 2

was received on August 13, 2025. As the experiment has progressed, Caltrans staff has collaborated with FHWA to revise the LA28 Supplement.

Caltrans would like to acknowledge the efforts of Mr. Steve Pyburn of the FHWA California Division for working in partnership with Timothy Kong of the Caltrans Division of Safety Programs and Tasha Higgins of Caltrans District 7 for reviewing the current version of the LA28 Supplement to CA MUTCD 2026.

Caltrans requests FHWA to review and accept the attached July 7, 2026 version of the LA28 Supplement to CA MUTCD 2026. Please provide your response to Timothy Kong, Acting Safety Systems and Devices Coordinator and CA MUTCD Editor, by email at [<Timothy.Kong@dot.ca.gov>](mailto:Timothy.Kong@dot.ca.gov).

Sincerely,

Shaila Chowdhury

Shaila Chowdhury, P.E.
Division Chief (Acting)
Division of Safety Programs
Caltrans

Attachment:
LA28 Supplement to CA MUTCD 2026

c: Godson Okereke, Acting Deputy Director, Maintenance and Operations, Caltrans
Gloria Roberts, Director, Caltrans District 7
Tasha Higgins, Caltrans District 7 LA28 Games Liaison
Duper Tong, Division Chief, Division of Traffic Operations, Caltrans
Inder Preet Singh, Deputy Division Chief, Transformational Mobility, Division of Traffic Operations (DTO), Caltrans
Jaswinder (Sunny) Gill, Chief, Office of Connected Ecosystem, DTO, Caltrans
Devang Vora, Chief, Office of Safety Systems and Devices, Division of Safety Programs (DOSP)
Timothy Kong, Acting Safety Systems and Devices Coordinator
and CA MUTCD Editor, Office of Safety Systems and Devices, DOSP, Caltrans
Kelli Hutnick, Chief of Staff, Maintenance and Operations, Caltrans
Daniel Rubinstein, Chief of Staff, DOSP, Caltrans
Jessica Porras, Acting Chief of Staff, DTO, Caltrans
Steve Pyburn, Design Program Manager, Federal Highway Administration

"Improving lives and communities through transportation."



U.S. Department
of Transportation
**Federal Highway
Administration**

1200 New Jersey Avenue, SE
Washington, D.C. 20590

August 13, 2025

In Reply Refer to: HOTO-1

Paul Chung
Acting Chief, Division of Safety Programs
California Department of Transportation
P.O. Box 942873, MS-36
Sacramento, CA 94273

Dear Mr. Chung:

Thank you for your June 24, 2025, original and August 5, 2025, revised request to experiment with the use of light blue as a background color on signs and markings in support of providing directional information for the 2028 Los Angeles Summer Olympic and Paralympic Games Route Network. This includes locations within the 21 corridors in Los Angeles, Orange, and San Diego counties that were identified in your request. Your request is approved.

As some of the final details for the games were noted as still being determined, any future revisions to the experiment plan, including changes to locations, devices, and evaluation methods, should be coordinated with the Federal Highway Administration and submitted for our review and approval.

We look forward to receiving semi-annual progress reports and your final evaluation report at the end of the study period in accordance with Item J of Paragraph 10, Paragraph 12, and Paragraph 12 in Section 1B.05 of the 11th Edition of the *Manual on Uniform Traffic Control Devices for Streets and Highways*. Please submit progress reports throughout the course of the experiment in accordance with the following schedule: August 1, for the preceding period of January through June; and February 1, for the preceding period of July through December.

For recordkeeping purposes, we have assigned your request the following Official Ruling number and title: "2 (11)-2 (E)– Light Blue Background for Planned Special Event Signs and Markings—CA." Please refer to this number and title in future correspondence, directed to Mr. Matthew Zeller of my staff at matthew.zeller@dot.gov.

Thank you for your interest in improving roadway operations and safety.

Sincerely yours,

Mark R. Kehrli
Director, Office of Transportation Operations

CALIFORNIA STATE TRANSPORTATION AGENCY

GAVIN NEWSOM, GOVERNOR

California Department of Transportation**DEPARTMENT OF TRANSPORTATION**

DIVISION OF SAFETY PROGRAMS

P.O. BOX 942873, MS-36

SACRAMENTO, CA 94273-0001

PHONE (916) 654-4385

FAX (916) 653-5776

TTY 711

WWW.DOT.CA.GOV/SAFETYPROGRAMS

June 23, 2025

Office of Transportation Operations, HOTO-1
Federal Highway Administration
1200 New Jersey Avenue, SE
Washington, DC 20590

Manual on Uniform Traffic Control Devices Team:

A Games Route Network (GRN) will be established for the 2028 Los Angeles (LA28) Olympic (July 14 – 30, 2028) and Paralympic (August 15 – 27, 2028) Games. The GRN provides dedicated lanes for Olympic Games vehicles to travel between venues to ensure that athletes and accredited persons arrive to their events on time. The GRN will utilize existing freeways, expressways, highways, and local roads to provide a safe, fast, and reliable transportation system.

During the Games, to facilitate the movement of athletes and personnel, some of the existing traffic control devices on roadways included in the established GRN will need to be changed temporarily to allow identification of the priority lanes that have been dedicated for the travel of athletes and personnel. All LA28 traffic control devices will be installed and placed temporarily, from June 1, 2028 to September 1, 2028.

Caltrans requests that the Federal Highway Administration (FHWA) review and approve the Caltrans experiment (see attached) with the use of the light blue color as a background color for use on the "LA28" white, or black, color legend word message, as a unique identifier to draw attention to the traffic sign plaques, traffic sign panels and pavement markings, to aid recognition and quicker comprehension of the dedicated lanes on GRN roadways to facilitate travel during the Games.

Caltrans would like to acknowledge the efforts of Mr. Steve Pyburn of the FHWA California Division for working in partnership with Amjad Obeid and Johnny Bhullar of Caltrans' Division of Safety Programs; and Tasha Higgins, Caltrans District 7 Games Liaison in providing guidance on the experimentation request.

"Provide a safe and reliable transportation network that serves all people and respects the environment"

June 23, 2025
Page 2

Please provide your response and approval to Amjad Obeid by email at <amjad.obeid@dot.ca.gov>. If you have any questions, please contact Johnny Bhullar at (916) 662-2397.

Sincerely,

Paul Chung

Paul Chung
Acting Chief
Division of Safety Programs
Caltrans

Attachment:
LA28 Request to Experiment

c: Janice Benton, Deputy Director, Maintenance and Operations, Caltrans
Gloria Roberts, Director, Caltrans District 7
Tasha Higgins, Caltrans District 7 Games Liaison
Duper Tong, Division Chief, Division of Traffic Operations, Caltrans
Shaila Chowdhury, Deputy Division Chief, Division of Safety Programs, Caltrans
Inder Preet Singh, Deputy Division Chief, Transformational Mobility, Division of Traffic Operations, Caltrans
Jaswinder (Sunny) Gill, Chief, Office of Connected Ecosystem, Division of Traffic Operations, Caltrans
Amjad Obeid, Chief, Office of Safety Systems and Devices, Division of Safety Programs, Caltrans
Johnny Bhullar, CA MUTCD Editor, Office of Safety Systems and Devices, Division of Safety Programs, Caltrans
Adriana Surfas, Acting Chief of Staff, Maintenance and Operations, Caltrans
Daniel Rubinstein, Chief of Staff, Division of Safety Programs, Caltrans
Nagi Pagadala, Acting Chief of Staff, Division of Traffic Operations, Caltrans

"Provide a safe and reliable transportation network that serves all people and respects the environment"

CALIFORNIA STATE TRANSPORTATION AGENCY

GAVIN NEWSOM, GOVERNOR

California Department of Transportation**DEPARTMENT OF TRANSPORTATION**

DIVISION OF SAFETY PROGRAMS

P.O. BOX 942873, MS-36

SACRAMENTO, CA 94273-0001

PHONE (916) 654-4385

FAX (916) 653-5776

TTY 711

WWW.DOT.CA.GOV/SAFETYPROGRAMS

August 7, 2025

Amjad Obeid

Chief, Office of Safety Systems and Devices, Division of Safety Programs

California Department of Transportation

1120 N Street

Sacramento, CA 95814

Dear Mr. Obeid:

2028 Los Angeles Olympics and Paralympics (LA28), which includes the Summer Olympics (July 14-30, 2028) and Summer Paralympics (August 15-27, 2028), will establish a Games Route Network (GRN) with dedicated lanes for Olympic Games vehicles to travel between venues and ensure athletes and accredited persons make their events and venues on time. The GRN will utilize existing freeway/expressways, highways and local roads to provide a safe, fast, and reliable transportation system.

During the Games, in order to facilitate the movement of athletes and Games personnel, some of the existing traffic control devices on roadways included in the established GRN will need to be changed temporarily to allow identification of the priority lanes that have been dedicated in GRN for athletes and Game personnel travel. All LA28 traffic control devices will be installed and placed temporarily, from June 1, 2028 to September 1, 2028. Caltrans will be experimenting with the use of light blue color as a background color for use on the "LA28" white, or black, color legend word message, as a unique identifier to draw attention to the traffic sign plaques, traffic sign panels and pavement markings, to aid recognition and quicker comprehension of the dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Caltrans presented the LA28 experiment request to the California Traffic Control Devices Committee (CTCDC) at a meeting on August 7, 2025 to fulfill the requirements of California Vehicle Code section 21400, concurrent with an experiment request to the Federal Highway Administration (FHWA). Caltrans received CTCDC recommendation for the experiment, subject to FHWA approval.

"Provide a safe and reliable transportation network that serves all people and respects the environment"

August 7, 2025
Page 2

Sincerely,

Timothy Kong

Timothy Kong
CTCDC Secretary

Attachment:
8/7/25 CTCDC Meeting Minutes

c: Janice Benton, Deputy Director, Maintenance and Operations, Caltrans
Gloria Roberts, Director, Caltrans District 7
Tasha Higgins, LA28 Caltrans District Liaison, Caltrans District 7
Duper Tong, Division Chief, Division of Traffic Operations, Caltrans
Shaila Chowdhury, Deputy Division Chief, Transportation Safety, Division of Safety Programs, Caltrans
Inder Preet Singh, Deputy Division Chief, Transformational Mobility, Division of Traffic Operations, Caltrans
Jaswinder (Sunny) Gill, Chief, Office of Connected Ecosystem, Division of Traffic Operations, Caltrans
Amjad Obeid, Chief, Office of Safety Systems and Devices, Division of Safety Programs, Caltrans
Johnny Bhullar, CA MUTCD Editor, Office of Safety Systems and Devices, Division of Safety Programs, Caltrans

"Provide a safe and reliable transportation network that serves all people and respects the environment"

CALIFORNIA STATE TRANSPORTATION AGENCY

GAVIN NEWSOM, GOVERNOR

California Department of Transportation

DEPARTMENT OF TRANSPORTATION
 DIVISION OF SAFETY PROGRAMS
 P.O. BOX 942873, MS-36
 SACRAMENTO, CA 94273-0001
 PHONE (916) 654-4385
 FAX (916) 653-5776
 TTY 711
WWW.DOT.CA.GOV/SAFETYPROGRAMS



June 23, 2025

Mr. Robert Bronkall
 Humboldt County Public Works, County Surveyor
 California Traffic Control Devices Committee (CTCDC) Chair
 3033 H Street, STE 124
 Eureka, CA 95501

Mr. Bronkall:

A Games Route Network (GRN) will be established for the 2028 Los Angeles (LA28) Olympic (July 14 – 30, 2028) and Paralympic (August 15 – 27, 2028) Games. The GRN provides dedicated lanes for Olympic Games vehicles to travel between venues to ensure that athletes and accredited persons arrive to their events on time. The GRN will utilize existing freeways, expressways, highways, and local roads to provide a safe, fast, and reliable transportation system.

During the Games, to facilitate the movement of athletes and personnel, some of the existing traffic control devices on roadways included in the established GRN will need to be changed temporarily to allow identification of the priority lanes that have been dedicated for the travel of athletes and personnel. All LA28 traffic control devices will be installed and placed temporarily, from June 1, 2028 to September 1, 2028.

Caltrans has requested that the Federal Highway Administration (FHWA) review and approve the Caltrans experiment (see attached) with the use of the light blue color as a background color for use on the "LA28" white, or black, color legend word message, as a unique identifier to draw attention to the traffic sign plaques, traffic sign panels and pavement markings, to aid recognition and quicker comprehension of the dedicated lanes on GRN roadways to facilitate travel during the Games. Caltrans will bring this experiment request to the California Traffic Control Devices Committee (CTCDC) at an upcoming meeting.

Caltrans would like to acknowledge the efforts of Mr. Steve Pyburn of the FHWA California Division for working in partnership with Amjad Obeid and Johnny Bhullar of Caltrans' Division of Safety Programs; and Tasha Higgins, Caltrans District 7 Games Liaison in providing guidance on the experimentation request.

"Provide a safe and reliable transportation network that serves all people and respects the environment"

June 23, 2025
Page 2

Please provide your response and approval to Amjad Obeid by email at <amjad.obeid@dot.ca.gov>. If you have any questions, please contact Johnny Bhullar at (916) 662-2397.

Sincerely,

Paul Chung

Paul Chung
Acting Chief
Division of Safety Programs
Caltrans

Attachment:
LA28 Request to Experiment

c: Janice Benton, Deputy Director, Maintenance and Operations, Caltrans
Gloria Roberts, Director, Caltrans District 7
Tasha Higgins, Caltrans District 7 Games Liaison
Duper Tong, Division Chief, Division of Traffic Operations, Caltrans
Shaila Chowdhury, Deputy Division Chief, Division of Safety Programs, Caltrans
Inder Preet Singh, Deputy Division Chief, Transformational Mobility, Division of Traffic Operations, Caltrans
Jaswinder (Sunny) Gill, Chief, Office of Connected Ecosystem, Division of Traffic Operations, Caltrans
Amjad Obeid, Chief, Office of Safety Systems and Devices, Division of Safety Programs, Caltrans
Johnny Bhullar, CA MUTCD Editor, Office of Safety Systems and Devices, Division of Safety Programs, Caltrans
Adriana Surfas, Acting Chief of Staff, Maintenance and Operations, Caltrans
Daniel Rubinstein, Chief of Staff, Division of Safety Programs, Caltrans
Nagi Pagadala, Acting Chief of Staff, Division of Traffic Operations, Caltrans

"Provide a safe and reliable transportation network that serves all people and respects the environment"

CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

LA28 SUPPLEMENT

TABLE OF CONTENTS

	<u>Page</u>
CALTRANS LA28 SUPPLEMENT ISSUANCE LETTER.....	3
FHWA LA28 SUPPLEMENT ACCEPTANCE LETTER.....	5
CALTRANS LA28 SUPPLEMENT FHWA ACCEPTANCE REQUEST LETTER	6
FHWA LA28 EXPERIMENT APPROVAL LETTER	8
CALTRANS LA28 EXPERIMENT FHWA APPROVAL REQUEST LETTER.....	9
CTCDC LA28 EXPERIMENT RECOMMENDATION LETTER	11
CALTRANS LA28 EXPERIMENT CTCDC RECOMMENDATION REQUEST LETTER.....	13
LIST OF FIGURES.....	18
LIST OF TABLES.....	19
INTRODUCTION	21
PART 1 GENERAL	
<u>CHAPTER 1C. DEFINITIONS, ACRONYMS, AND ABBREVIATIONS</u>	
<u>USED IN THIS MANUAL</u>	
Section 1C.02 Definitions of Words and Phrases Used in this Manual.....	23
Section 1C.03 Meanings of Acronyms and Abbreviations Used in this Manual	23
<u>CHAPTER 1D. PROVISIONS APPLICABLE TO TRAFFIC CONTROL</u>	
<u>DEVICES IN GENERAL</u>	
Section 1D.05 Color Code	24
Section 1D.08 Abbreviations Used on Traffic Control Devices	24
PART 2 SIGNS	
<u>CHAPTER 2A. GENERAL</u>	
Section 2A.01 Function and Purpose of Signs.....	26
Section 2A.02 Standardization of Application.....	26
Section 2A.04 Design of Signs	26
Section 2A.05 Shapes	27
Section 2A.06 Colors	27
Section 2A.07 Dimensions.....	28
Section 2A.08 Word Messages	28
Section 2A.09 Symbols.....	28
Section 2A.11 Enhanced Conspicuity for Standard Signs	28
Section 2A.13 Standardization of Location	28
Section 2A.14 Overhead Sign Installations	29
Section 2A.20 Excessive Use of Signs	29
Section 2A.21 Retroreflection and Illumination.....	29
<u>CHAPTER 2B. REGULATORY SIGNS, BARRICADES, AND GATES</u>	
GENERAL	
Section 2B.01 Application of Regulatory Signs.....	33

Section 2B.03	Size of Regulatory Signs	33
MOVEMENT AND LANE CONTROL SIGNS AND PLAQUES		
Section 2B.26	Movement Prohibition Signs (R3-1 through R3-4, R3-18, and R3-27).....	33
Section 2B.27	Intersection Lane Control Signs (R3-5 through R3-8).....	33
Section 2B.28	Mandatory Movement Lane Control Signs (R3-5, R3-5a, R3-7, R3-19 Series, and R3-20) and Plaques	33
Section 2B.29	Optional Movement Lane Control Signs (R3-6 Series).....	33
Section 2B.30	Advance Intersection Lane Control Signs (R3-8 Series).....	34
Section 2B.33	BEGIN and END Plaques (R3-9cP and R3-9dP)	34

CHAPTER 2D. GUIDE SIGNS—CONVENTIONAL ROADS

GENERAL DESIGN

Section 2D.01	Scope of Conventional Road Guide Sign Standards and Application.....	36
Section 2D.02	Color, Retroreflection, and Illumination.....	36
Section 2D.03	Size of Signs.....	36
Section 2D.05	Size of Lettering.....	36

ROUTE SIGNS AND AUXILIARY PLAQUES

Section 2D.26	Advance Turn Arrow Auxiliary Plaques (M5-1P, M5-2P, and M5-3P)	36
Section 2D.27	Lane Designation Auxiliary Plaques (M5-4P, M5-5P, and M5-6P).....	36
Section 2D.28	Directional Arrow Auxiliary Plaques (M6 Series).....	37

SIGN ASSEMBLIES

Section 2D.29	Route Sign Assemblies	37
Section 2D.30	Junction Assembly.....	37
Section 2D.31	Advance Route Turn Assembly	37
Section 2D.32	Directional Assembly	37
Section 2D.34	Trailblazer Assembly.....	38

DESTINATION AND DISTANCE SIGNS

Section 2D.36	Destination Signs (D1 Series)	38
Section 2D.38	Combination Lane-Use/Destination Overhead Guide Sign (D15-1).....	38

FREEWAY INTERCHANGE APPROACH SIGNS

Section 2D.49	Signing on Conventional Roads on Approaches to Interchanges.....	38
---------------	--	----

OTHER GUIDE SIGNS

Section 2D.55	Community Wayfinding Signs.....	38
---------------	---------------------------------	----

CHAPTER 2E. GUIDE SIGNS—FREEWAYS AND EXPRESSWAYS

SIGN DESIGN

Section 2E.08	General	41
Section 2E.09	Color of Guide Signs	41
Section 2E.10	Retroreflection or Illumination	41

INSTALLATION

Section 2E.19	Overhead Sign Installations	41
---------------	-----------------------------------	----

GUIDE SIGNING FOR INTERCHANGES

Section 2E.21	Interchange Guide Signs.....	41
Section 2E.23	Interchange Advance Guide Signs (E1-1 through E1-3).....	41
Section 2E.24	Interchange Sequence Signs (E9-1 and E9-2).....	42
Section 2E.25	Exit Direction Signs (E4 Series)	42
Section 2E.26	Exit Gore Signs and Plaque (E5-1 Series).....	42

Section 2E.27	Pull-Through Signs (E6-1 Series and E6-2 Series).....	42
OTHER GUIDE SIGNS		
Section 2E.55	Route Signs and Trailblazer Assemblies	42
<u>CHAPTER 2G. PREFERENTIAL AND MANAGED LANE SIGNS</u>		
GENERAL		
Section 2G.01	Scope	43
REGULATORY SIGNS		
Section 2G.03	Regulatory Signs for Preferential Lanes – General	43
Section 2G.05	Preferential Lane Operation Signs (R3-11 Series and R3-14 Series)	44
Section 2G.06	Preferential Lane Advance Signs (R3-12, R3-12e, R3-12f, R3-15, R3-15a, and R3-15d).....	44
Section 2G.07	Preferential Lane Ends Signs (R3-12a, R3-12b, R3-12c, R3-12d, R3-12g, R3-12h, R3-15b, R3-15c, and R3-15e).....	44
WARNING SIGNS		
Section 2G.08	Warning Signs on Median Barriers for Preferential Lanes.....	45
GUIDE SIGNS		
Section 2G.10	Preferential Lane Guide Signs – General	45
Section 2G.11	Signing for Initial Entry Points to Preferential Lanes	45
Section 2G.12	Signing for Intermediate Entry Points to Preferential Lanes	45
Section 2G.13	Signing for Egress from Preferential Lanes to General-Purpose Lanes.....	46
Section 2G.14	Signing for Direct Entrances to Preferential Lanes from Another Highway.....	46
Section 2G.15	Signing for Direct Exits from Preferential Lanes to Another Highway.....	46
<u>CHAPTER 2L. CHANGEABLE MESSAGE SIGNS</u>		
Section 2L.01	Description of Changeable Message Signs.....	64
Section 2L.02	Applications of Changeable Message Signs	64
Section 2L.05	Message Length and Units of Information.....	64
PART 3 MARKINGS		
<u>CHAPTER 3A. GENERAL</u>		
Section 3A.01	Standardization of Application.....	70
Section 3A.02	Materials.....	70
Section 3A.03	Colors	71
Section 3A.05	Maintaining Minimum Pavement Marking Retroreflectivity	71
<u>CHAPTER 3B. PAVEMENT AND CURB MARKINGS</u>		
Section 3B.21	Word Pavement Markings	72
<u>CHAPTER 3E. PREFERENTIAL LANE MARKINGS FOR MOTOR VEHICLES</u>		
Section 3E.02	Longitudinal Markings	75
Section 3E.03	Preferential Lane Word and Symbol Markings	75
<u>CHAPTER 3G. DELINEATORS</u>		
Section 3G.03	Application.....	76
PART 4 HIGHWAY TRAFFIC SIGNALS		
<u>CHAPTER 4B. TRAFFIC CONTROL SIGNALS—GENERAL</u>		
Section 4B.01	General	77

PART 6 TEMPORARY TRAFFIC CONTROL

CHAPTER 6A. GENERAL

Section 6A.03	TTC Devices	78
---------------	-------------------	----

CHAPTER 6L. OTHER TTC ZONE TRAFFIC CONTROL DEVICES

Section 6L.05	Portable Changeable Message Signs	79
---------------	---	----

FIGURES

Page

Figure 2A-101(LA28)	LA28 and PERMIT ONLY Plaques and Panels	30
Figure 2B-4(LA28)	Examples of LA28 Sign Panel and Plaque Usage on Lane Control Signs	35
Figure 2D-6(LA28)	Examples of LA28 Sign Plaque Usage on Advance Turn and Directional Arrow Auxiliary Signs	39
Figure 2D-6(CA)(LA28)	Examples of LA28 Sign Plaque Usage on Advance Turn and Directional Arrow Auxiliary Signs	39
Figure 2D-9(CA)(LA28)	LA28 Sign Panel on Destination Signs	40
Figure 2G-1(LA28)	Examples of LA28 Sign Panel Usage on GRN Lane Regulatory Signs and Plaque	47
Figure 2G-2(LA28)	Example of Signing for an Added Continuous-Access Contiguous or Buffer-Separated GRN Lane	50
Figure 2G-3(LA28)	Example of Signing for a General-Purpose Lane that Becomes a GRN Lane (New, or Converted from Continuous-Access Contiguous or Buffer-Separated HOV Lane)	51
Figure 2G-4(LA28)	Examples of Warning Signs Applicable Only to GRN Lanes	52
Figure 2G-6(LA28)	Examples of LA28 Sign Panel Usage on GRN Lane Guide Signs	53
Figure 2G-7(LA28)	Examples of LA28 Sign Panel Usage on Entrance Gore Signs for Barrier-Separated GRN Lanes	55
Figure 2G-8(LA28)	Example of Advance Guide and Entrance Direction Signs for a General-Purpose Lane that Becomes an Access-Restricted GRN Lane (Former Preferential Lane)	56
Figure 2G-9(LA28)	Example of Signing for an Entrance to Access-Restricted GRN Lanes (Former Access-Restricted HOV Lanes)	57
Figure 2G-11(LA28)	Example of Signing for the Intermediate Entry to, Egress from, and End of Access-Restricted GRN Lanes (Former Access-Restricted HOV Lanes)	58
Figure 2G-12(LA28)	Examples of LA28 Sign Panel Usage on Barrier-Mounted Guide Signs for an Intermediate Egress from GRN Lanes	59
Figure 2G-14(LA28)	Example of Signing for a Direct Entrance Ramp to a GRN Lane from a Park-and-Ride Facility and a Local Street	60
Figure 2G-15(LA28)	Exit and Pull-Through Signs for a Direct Exit from a GRN Lane	61
Figure 2G-16(LA28)	Examples of Guide Signs for Direct GRN Lane Entrance and Exit Ramps	62
Figure 2G-102(LA28)	Example of Signing for a Preferential or Managed Lane that Becomes a GRN Lane (Intermediate Conversion)	63
Figure 3B-107(LA28)	LA28 and PERMIT ONLY Word Pavement Markings	73
Figure 3B-108(LA28)	Examples of GRN Markings	74

TABLES

Page

Table 1D-101(LA28)	Abbreviations that Shall be Used Only on Changeable or Portable Changeable Message Signs	25
Table 2A-2(LA28)	Common Uses of Sign Colors	31
Table 2A-101(LA28)	Daytime and Nighttime Chromaticity Coordinates for Light Blue Color	32
Table 2L-101(LA28)	Example of GRN Messages for CMS	65
Table 2L-102(LA28)	Examples of GRN Messages for Portable CMS	67

PLEASE NOTE:

This CA MUTCD 2026 LA28 Supplement includes contents that are only additional to CA MUTCD 2026. CA MUTCD 2026 is current and effective, it should be referenced for all topics and contents.

In some instances, a portion of the current CA MUTCD contents have been included in this document, for ease in understanding them. To clarify any confusion that may occur on these overlapping contents, following format is used:

- Unedited National MUTCD text is shown in
“Times New Roman” font and black color text
- National MUTCD text not applicable in California is shown as
“~~black strikethrough text~~”
- CA MUTCD 2026 text is shown in
“Arial Narrow” font and blue color text
- This CA MUTCD 2026 LA28 Supplement’s text is shown in
“Arial Narrow” font and dark purple color text

CA MUTCD 2026 LA28 Supplement

INTRODUCTION

Support:

- 01 2028 Los Angeles Olympics and Paralympics (LA28), which includes the Summer Olympics (July 14-30, 2028) and Summer Paralympics (August 15-27, 2028), will establish a Games Route Network (GRN) with dedicated lanes for Olympic Games vehicles to travel between venues and ensure athletes and Game personnel get to their events and venues on time. The GRN will establish a temporary network of roads, freeways, expressways, highways, arterials, local roads, and managed lanes to provide a safe, fast, and reliable transportation system.
- 02 During the Games, in order to facilitate the movement of athletes and Games personnel, some of the existing traffic control devices on roadways included in the established GRN will need to be changed temporarily, to allow identification of the priority lanes that have been dedicated in GRN for athletes and Game personnel travel. This will be accomplished by using “LA28” white legend or black legend on light blue background as a sign plaque or sign panel and using it as a word message pavement marking. National MUTCD has not assigned the meaning of light blue color, currently, it has reserved it for future designation. Any use of light blue color on a traffic control device will not be in compliance with the MUTCD, requiring permission to experiment. At some locations, in addition to the LA28 sign plaque or panel, the “PERMIT ONLY” black legend on white background will also be used as a sign plaque or sign panel and in white legend as a pavement marking.
- 03 To save costs, expedite implementation and for fiscal responsibility, since the change is needed temporarily, instead of removing existing signs and installing new or special traffic signs, most of the changes will be limited to changing existing traffic signs. New signs will be used only when existing signs are not available at the location or impractical to change. The “LA28” sign plaque will be added to some of the existing traffic signs, a portion of some traffic signs will be overlayed with the “LA28” panel, while some of the traffic signs would be covered during the games. The PERMIT ONLY plaque and panel will be used in conjunction with the LA28 plaque or panel, on some of the traffic signs. The “LA28” pavement markings, in conjunction with, or without, the PERMIT ONLY pavement markings will be installed in some lanes of the GRN roadways. LA28 traffic control devices will be installed from Fall 2027 through July 1, 2028. The LA28 signs will be covered when installed and uncovered starting June 1, 2028. The facilities will be restored beginning September 1, 2028.
- 04 2028 Los Angeles Olympics and Paralympics (LA28) being an atypical large-scale special event, it necessitates the use of unique identifier, to draw attention to the LA28 traffic signs. Using “LA28” white or black legend on light blue background serves this purpose by aiding recognition and quicker comprehension of the dedicated lanes on GRN roadways to facilitate travel during LA28 games, while keeping the message simple. Using the light blue color for the background was chosen as this color is already included in the National Manual on Uniform Traffic Control Devices (MUTCD) and has been identified as being appropriate for use in conveying traffic control information. The light blue color in the MUTCD is reserved for future designation and not assigned any specific purpose. The proposed use of the light blue color during the Games does not comply with the National MUTCD, it requires approval to experiment from FHWA.
- 05 Caltrans prepared a request for permission to experiment for the use of light blue color as the background color on LA28 sign plaques and sign panels. The experiment was approved by Federal Highway Administration (FHWA) on August 13, 2025. The use of LA28 and PERMIT ONLY word messages, whether used on traffic sign plaques, traffic sign panels or pavement markings, do not require experimentation as the use of word messages complies with the National MUTCD. Agencies are allowed to develop special word legend signs based on engineering judgment, and unlike colors that have not been assigned, or symbols that have not been approved for signs, new word legend signs can be used without the need for experimentation.
- 06 This California (CA) Manual on Uniform Traffic Control Devices (MUTCD) 2026 LA28 Supplement is issued in support of Caltrans request for experimentation to FHWA for the non-standard use of light blue color as the background color for “LA28” white or black legend word message sign plaques and sign panels planned to be used during this large-scale special event on the network of roads, freeways, highways, arterials and specific managed lanes included in the established GRN. Caltrans request for permission to experiment is specifically for the use of light blue color as the background color for the “LA28” word message. The CA MUTCD 2026 LA28 Supplement dictates how the “LA28” word message with the light blue background is to be used to designate the GRN.
- 07 This CA MUTCD 2026 LA28 Supplement incorporates Federal Highway Administration’s Manual on Uniform Traffic Control Devices 2023 and the current California MUTCD 2026 and standards and specifications for all traffic control devices used in dedicated lanes on GRN roadways to facilitate travel during LA28 games.

- 08 In general, the CA MUTCD 2026 LA28 Supplement contents correlate to the CA MUTCD (and National MUTCD) Parts, Chapters and Sections in the same sequence, heading and numbering and retaining the same titles. In instances where there is no corresponding Section, Figure or Table in the CA MUTCD or National MUTCD for a topic in the CA MUTCD 2026 LA28 Supplement, the topic is given a new number and include “LA28” in parentheses to indicate that it is specific only for LA28.
- 09 The CA MUTCD 2026 LA28 Supplement includes only the additional section, figure and table contents that are needed for use on GRN roadways during the Los Angeles 2028 Summer Olympics and Paralympics competition as part of the experimentation request. Current CA MUTCD, including its section, figure and table contents, will be used for all traffic control devices used on GRN roadways during Los Angeles 2028 Summer Olympics and Paralympics. CA MUTCD 2026 LA28 Supplement provides only additional content that are specific to dedicated lanes on GRN roadways and for use only during the Los Angeles 2028 Summer Olympics and Paralympics to support the experimentation request.

PART 1

GENERAL

CHAPTER 1C. DEFINITIONS, ACRONYMS, AND ABBREVIATIONS USED IN THIS MANUAL

Section 1C.02 Definitions of Words and Phrases Used in this Manual

The following is added to this section:

Standard:

- 03 **The following words and phrases, when used in this Manual, shall have the following meanings:**
- 92a. **Games Route Network (GRN) – Network of existing roads connecting Los Angeles 2028 Summer Olympics and Paralympics competition and key non-competition venues involving a wide range of traffic management measures. As per California Vehicle Code Section 21655.10, vehicles with a permit only will be allowed to use the dedicated lanes on roadways in GRN.**
 - 97a. **GRN Lane(s) - Specific preferential lanes that are used as dedicated lane(s) for Olympic Games vehicles to travel between venues and are included in the established GRN.**

Section 1C.03 Meanings of Acronyms and Abbreviations Used in this Manual

The following is added to this section:

Support:

- 02 **The following list of acronyms are related to traffic control devices and provided for ease of use and as a handy reference:**
- 25a. GRN Games Route Network
 - 104a. LA28 Los Angeles 2028 Olympics and Paralympics
- 03 **The acronym “LA28” refers to the name of the event, named by the host city plus the 2-digit year (e.g. Paris24). Abbreviating the year allows the word message to be as brief as practical while keeping it simple, allowing for easier accommodation when used on the plaque, panel or as word message pavement marking.**

CHAPTER 1D. PROVISIONS APPLICABLE TO TRAFFIC CONTROL DEVICES IN GENERAL

Section 1D.05 Color Code

The following is added to this section:

Standard:

02 **The general meaning of the 13 colors shall be as follows:**

H. Light Blue—~~reserved for future designation (see Paragraph 4 of this Section)~~ temporary use as background color for LA28 word message on sign plaque and sign panels installed on roadways in GRN during the Olympic games.

Support:

06 The daytime color specification limits and luminance factors (percent) for retroreflective material of the light blue color can be determined from Tables 1 and 1a to Appendix to 23 CFR Part 655, Subpart F, which is available at the Federal Highway Administration's MUTCD Web site at <http://mutcd.fhwa.dot.gov>. Nighttime color specification limits for retroreflective material of the light blue color can be determined using ASTM test methods included in 23 CFR Part 655.

Section 1D.08 Abbreviations Used on Traffic Control Devices

The following is added to this section:

Standard:

03a **When the word messages shown in Table 1D-101(LA28) need to be abbreviated on a changeable message sign or portable changeable message sign, the abbreviations shown in Table 1D-101(LA28) will be used.**

**Table 1D-101(LA28). Abbreviations that Shall be Used Only on Changeable or Portable
Changeable Message Signs**

Word Message	Standard Abbreviation	Prompt Word That Should Precede the Abbreviation	Prompt Word That Should Follow the Abbreviation	Example
Los Angeles 2028	LA28		Permit (Optional)	LA28 PERMIT ONLY
PERMIT ONLY	PERMIT ONLY	LA28		LA28 PERMIT ONLY

PART 2

SIGNS

CHAPTER 2A. GENERAL

Section 2A.01 Function and Purpose of Signs

The following is added to this section:

Standard:

- 05 The provisions of Part 2 regarding signs in general (Chapter 2A), regulatory signs (Chapters 2B and 2G), guide signs (Chapters 2D, 2E and 2G) and changeable message signs (Chapter 2L) shall apply to all roadways included in the established GRN in locations specified by Caltrans experimentation request to FHWA.

Section 2A.02 Standardization of Application

The following is added to this section:

Guidance:

- 07 The LA28 sign plaque and LA28 sign panel should be used only where deemed necessary or desirable and justified by engineering judgment, as provided in Sections 1D.03 and 1C.02 (Paragraph 3, Definition 76).

Option:

- 08 The LA28 sign plaque or the LA28 sign panel (see Figure 2A-101(LA28)) may be used on any existing or new regulatory or guide sign included in this CA MUTCD 2026 LA28 Supplement, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.
- 09 If used, the LA28 sign plaque or the LA28 sign panel may be combined with the word message PERMIT ONLY in black legend on a white background at some locations, where engineering judgment determines it is needed.

Standard:

- 10 If the Transportation Demand Management (TDM) strategies implemented in the established GRN, require regulatory or operational measures different than those existing, the existing permanent regulatory and guide signs that are no longer applicable, and potentially could be confusing or misleading, they shall be covered or removed and superseded by the appropriate temporary regulatory or guide signs during the games.
- 11 The LA28 sign plaque and the LA28 sign panel shall be rectangular and shall consist of the word message "LA28" (refer to Section 2A.06 for legend and background colors). The LA28 legend shall be a single line for horizontal configuration. The LA28 legend for the vertical configuration shall be 2 lines, with LA legend in line 1 and 28 legend in line 2.
- 12 If used, the LA28 sign plaque shall be added as a header plaque above any existing or new regulatory, warning, or guide sign included in this CA MUTCD 2026 LA28 Supplement, to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games. If using the LA28 sign header plaque in the vertical configuration, it shall be placed on the left edge of the sign.
- 13 If used, the LA28 sign panel shall be used as a header panel and affixed to the face of a sign to overlay a portion of any existing or new regulatory, warning, or guide sign included in this CA MUTCD 2026 LA28 Supplement, to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games. If using the LA28 sign header panel in the horizontal configuration, it shall be placed in the top portion of the sign. If using the LA28 sign header panel in the vertical configuration, it shall be placed on the left edge of the sign.

Option:

- 14 The LA28 sign panel may be used within an existing or new sign where engineering judgment determines the panel is needed.

- 15 **The LA28 sign plaque and LA28 sign panel, each shall not be used alone.**

Support:

- 16 If signs using the LA28 sign plaque or LA28 sign panel need to be installed at new locations to identify GRN dedicated lanes during LA28 games, refer to Section 2A.13 in current CA MUTCD 2026.

Section 2A.04 Design of Signs

The following is added to this section:

Support:

02a In the provisions for the individual regulatory or guide signs included in this CA MUTCD 2026 LA28 Supplement, the general appearance of the legend, color, and size are shown in the CA MUTCD 2026 tables and illustrations and the sign specifications and are not always detailed in the text.

03a Detailed drawings of these standard regulatory and guide signs, alphabets, symbols, and arrows (see CA MUTCD 2026 Figure 2D-3) are shown in the "Standard Highway Signs and Markings" book. CA MUTCD 2026 Section 1A.05 contains information regarding how to obtain this publication.

Standard:

06a **The term legend shall include LA28 and PERMIT ONLY word messages for use on the sign plaque and as part of the sign panel to convey specific meaning.**

07a **Uniformity in design of the LA28 and PERMIT ONLY sign plaque and sign panel shall include shape, color, dimensions, legends, borders, and illumination or retroreflectivity.**

08a **Standardization of these sign plaque and sign panel does not preclude further improvement by minor changes in the proportion, width of borders, or layout of word messages, but all shapes and colors shall be as indicated.**

Support:

09a The daytime color specification limits and luminance factors (percent) for retroreflective material of the light blue color can be determined from Tables 1 and 1a of Appendix to 23 CFR Part 655, Subpart F. Caltrans and 3M conducted testing to establish a range of light blue color that will be used in this experiment. The trial test was initiated by developing samples of light blue color using FHWA daytime chromaticity coordinates. These samples were tested to measure their nighttime chromaticity coordinates. Refer to Table 2A-101(LA28) for daytime and nighttime chromaticity coordinates for light blue color. These coordinates will be verified using field and lab testing to ensure the light blue color is visible at night with comparable characteristics as during the daytime. Luminance is not defined for Type XI sheeting; cap Y values between 10 and 19 was recommended by 3M.

09b Caltrans plans to engage Caltrans Headquarters Division of Research and Information Systems and Headquarters Transportation Laboratory to conduct an off-roadway, closed-course, or laboratory evaluation and study. This evaluation study will test the use of black and white LA28 legend on the Caltrans identified light blue background color. The study will evaluate which color combination provides better contrast, when used for LA28 Sign Plaque and Sign Panel. This evaluation and testing will be the second initial step within this experimentation request, in advance of the actual deployment under this experimentation request of the sign plaques and sign panels during the games.

09c Any field testing, if needed, will be conducted within Caltrans Maintenance Yard or Caltrans facility, to determine the appropriate legend and background color combination, that provides better contrast for the LA28 word message, when used on sign plaques and sign panels. The decision to use legend color, black or white, for LA28 word message on the light blue colored background will be made in advance of the games and not during the games to avoid road user confusion and related safety concerns during the games. Only one color, either black or white, will be used as the legend color in the actual experiment during the games.

Section 2A.05 Shapes

The following is added to this section:

Standard:

10 **The standard shapes and standard proportions of existing regulatory and guide sign that are temporarily changed during LA28, shall be retained as much as practical, and comply with Table 2A-1.**

Section 2A.06 Colors

The following is added to this section:

Standard:

09 **The light blue color to be used as background color on LA28 sign plaque and LA28 sign panel, the white or black "LA28" word legend, and their specific use on these sign plaques and sign panels shall be as provided in the applicable Sections of this CA MUTCD 2026 LA28 Supplement. Where required by the CA MUTCD 2026, the LA28 plaque and LA28 sign panel shall use the standard color scheme applicable to the sign category or policy under which they are used.**

Support:

10 Tolerance limits for light blue color are contained in 23 CFR Part 655, Appendix to Subpart F which is available at the Federal Highway Administration's MUTCD Web site at <http://mutcd.fhwa.dot.gov>. Nighttime color specification limits for retroreflective material of the light blue color can be determined using ASTM test methods included in 23 CFR Part 655.

- 11 The use of light blue color is shown in Table 2A-2(LA28). Color schemes using light blue color on specific signs are shown in the illustrations located in this CA MUTCD 2026 LA28 Supplement.

Section 2A.07 Dimensions

The following is added to this section:

Guidance:

- 11 When LA28 sign plaque or LA28 sign panel are installed with larger sized signs, a corresponding increase in the size of the plaque or the panel and its legend should also be made. The resulting plaque or panel size should be approximately in the same relative proportion to the larger-sized sign as the conventional sized plaque or panel is to the conventional-sized sign.

Standard:

- 12 The LA28 and PERMIT ONLY legends used on sign plaques and sign panels shall have letters and numerals that comply with the minimum height requirements shown in the Tables included in CA MUTCD 2026 for the roadway classifications and the specific signs that they supplement.

Section 2A.08 Word Messages

The following is added to this section:

Standard:

- 20 Except as provided in Paragraph 21, the LA28 sign plaque and LA28 sign panel shall include only the legend “LA28” as a word message.

Option:

- 21 The LA28 sign plaque or the LA28 sign panel may be combined with the word message PERMIT ONLY where engineering judgment determines it is needed.

Standard:

- 22 The LA28 and PERMIT ONLY lettering used on sign plaque and sign panel shall be in upper-case letters and shall be of the Standard Alphabets as provided in the “Standard Highway Signs” publication (see Section 1A.05). The unique letter forms used shall not be stretched, compressed, warped, or otherwise manipulated.

Support:

- 23 Section 2D.03 contains information regarding the acceptable methods of modifying the length of a word for a given letter height and series for guide signs.

Section 2A.09 Symbols

The following is added to this section:

Standard:

- 01a The LA28 Sign Plaque and Sign Panel shall not include any Olympic games, Para-Olympics symbol or any other symbol. The Olympic rings symbol shall not be used on, as part of, or in conjunction with the LA28 Sign Plaque or Sign Panel as its use is prohibited under the copyright laws.

Support:

- 12 The Olympic rings represent only one of the two games that Los Angeles will be hosting during the time period covered under Caltrans experimentation request. Los Angeles will also be hosting the Paralympic Games. The International Paralympic Committee (IPC) is a completely separate organization with a different name, logo, and organizing body.

Section 2A.11 Enhanced Conspicuity for Standard Signs

The following is added to this section:

Support:

- 07 This CA MUTCD 2026 LA28 Supplement is issued in support of Caltrans request for experimentation to FHWA is specifically for the use of light blue color as the background color for the “LA28” word message. The purpose of using light blue color as a background color for LA28 word message, is as a unique identifier to draw attention to the traffic sign plaques and traffic sign panels, and to aid recognition and quicker comprehension of the dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Section 2A.13 Standardization of Location

The following is added to this section:

Guidance:

- 12a If engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games, at either existing sign locations or new locations with no signs, and space is limited for sign installation and there is a

demand for several different types of signs, an order of priority for sign installation should be established so as not to overload road users with too much information.

- 13a *Because regulatory information is more critical to the road user than guidance information, any regulatory signs using LA28 sign plaque or LA28 sign panel whose location is critical should be displayed rather than guide signs that are using LA28 sign plaque or LA28 sign panel, in cases where conflicts occur. Information of a less critical nature should be moved to less critical locations or omitted.*

Section 2A.14 Overhead Sign Installations

The following is added to this section:

Option:

- 01a *The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new regulatory or guide Overhead signs on freeways and expressways, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.*

Section 2A.20 Excessive Use of Signs

The following is added to this section:

Guidance:

- 03c *Installing new signs, including new signs at new locations to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games, should be avoided for fiscal responsibility and to avoid excessive signing and removal of these signs after the games. To save costs and expedite implementation, since the change is needed temporarily, opportunities to use the LA28 sign plaque or LA28 sign panel with the existing traffic signs should be considered, if signing is needed.*

Section 2A.21 Retroreflection and Illumination

The following is added to this section:

Standard:

- 03a **The LA28 Sign Plaque and Sign Panel shall be retroreflective (see Section 2A.22) or illuminated to show the same shape and similar color by both day and night.**

Option:

- 07a *Retroreflection of LA28 Sign Plaque and Sign Panel elements may be accomplished by the means shown in Table 2A-2(LA28).*

Standard:

- 09 **The uniformity of the sign design shall be maintained without any decrease in visibility, legibility, or driver comprehension during either daytime or nighttime conditions.**

Figure 2A-101(LA28). LA28 and PERMIT ONLY Plaques and Panels



LA28 Plaque (Horizontal)



LA28 Panel (Horizontal)



LA28 Plaque (Vertical)



LA28 Panel (Vertical)



PERMIT ONLY Plaque



LA28 PERMIT ONLY Panel

Table 2A-2(LA28). Common Uses of Sign Colors

Type of Sign	Legend									Background													
	Black	Green	Red	White	Yellow	Brown	Orange	Fluorescent Yellow-Green	Fluorescent Pink	Black	Blue	Brown	Green	Orange	Red	White	Yellow	Fluorescent Yellow-Green	Fluorescent Pink	Cream	Teal	Light Blue	Purple
LA28	X			X																		X	
PERMIT ONLY	X			X												X							

** The use of light blue on signs is restricted to LA28 word message and per the provisions of this Supplement.

Table 2A-101(LA28). Daytime and Nighttime Chromaticity Coordinates for Light Blue Color

	1		2		3		4	
	X	Y	X	Y	X	Y	X	Y
Daytime	0.18	0.26	0.24	0.30	0.27	0.26	0.23	0.20
Nighttime	0.35	0.41	0.35	0.42	0.39	0.42	0.39	0.41

CHAPTER 2B. REGULATORY SIGNS, BARRICADES, AND GATES

Section 2B.01 Application of Regulatory Signs

The following is added to this section:

Standard:

- 07 The LA28 sign plaque and the LA28 sign panel combined with the word message PERMIT ONLY in black legend on a white background shall only be used on signs in GRN dedicated lanes, on which the GRN permit requirements and restrictions are applicable. These signs with the combined LA28 and PERMIT ONLY sign plaques or sign panels shall be installed at or near where the restriction applies.

Section 2B.03 Size of Regulatory Signs

The following is added to this section:

Standard:

- 01a Except as provided in Section 2A.07, the minimum sizes for any new installations of regulatory signs to identify dedicated lanes on GRN roadways shall be as shown in Tables 2B-1 and 2B-1(CA) of CA MUTCD 2026.

Section 2B.26 Movement Prohibition Signs (R3-1 through R3-4, R3-18, and R3-27)

The following is added to this section:

Option:

- 19 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Movement Prohibition signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 20 Refer to Figures 2B-4 and 2B-4(CA) for Movement Prohibition signs, and Figures 2B-4(LA28) and 2G-1(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the regulatory signs.

Section 2B.27 Intersection Lane Control Signs (R3-5 through R3-8)

The following is added to this section:

Option:

- 11 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Intersection Lane Control signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 12 Refer to Figures 2B-4 and 2B-4(CA) for Intersection Lane Control signs, and 2B-4(LA28) and 2G-1(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the regulatory signs.

Section 2B.28 Mandatory Movement Lane Control Signs (R3-5, R3-5a, R3-7, R3-19 Series, and R3-20) and Plaques

The following is added to this section:

Option:

- 17 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Mandatory Movement Lane Control signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 18 Refer to Figures 2B-4 and 2B-4(CA) for Mandatory Movement Lane Control signs, and 2B-4(LA28) and 2G-1(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the regulatory signs.

Section 2B.29 Optional Movement Lane Control Signs (R3-6 Series)

The following is added to this section:

Option:

- 07 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Optional Movement Lane Control signs, where engineering judgment determines the need to identify

dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 08 Refer to Figures 2B-4 and 2B-4(CA) for Optional Movement Lane Control signs, and 2B-4(LA28) and 2G-1(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the regulatory signs.

Section 2B.30 Advance Intersection Lane Control Signs (R3-8 Series)

The following is added to this section:

Option:

- 09 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Advance Intersection Lane Control signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 10 Refer to Figures 2B-4 and 2B-4(CA) for Advance Intersection Lane Control signs, and 2B-4(LA28) and 2G-1(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the regulatory signs.

Section 2B.33 BEGIN and END Plaques (R3-9cP, R3-9dP)

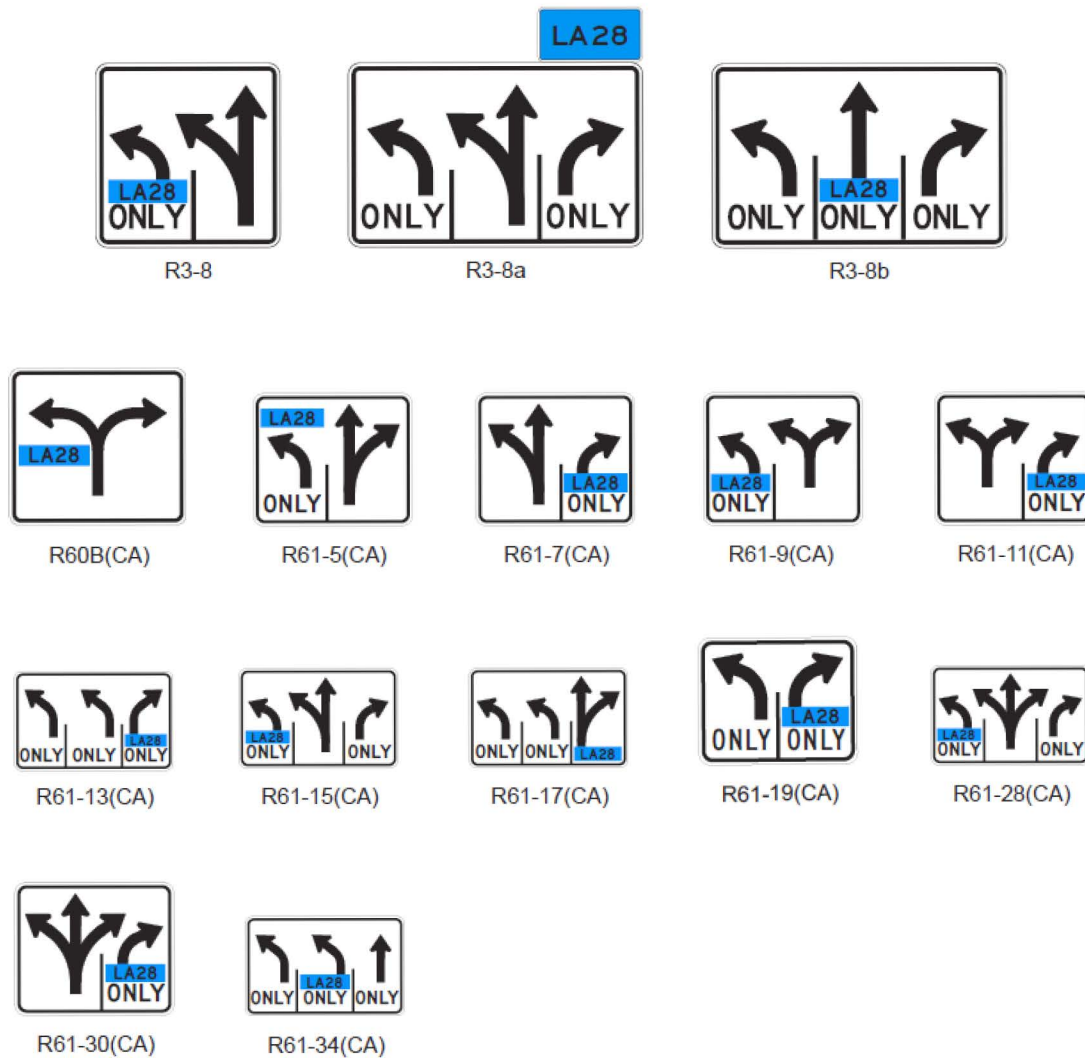
The following is added to this section:

Option:

- 02 The BEGIN (R3-9cP) or END (R3-9dP) plaque may be used to supplement any regulatory sign that, based on engineering judgment, is being used to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games. The legend BEGIN or END may be used within the border of the main sign itself, or on an R3-9cP or R3-9dP plaque mounted immediately above it.

Support:

- 03 Refer to Figures 2B-4, 2B-6, and 2G-1(LA28) for examples showing the BEGIN (R3-9cP) or END (R3-9dP) plaques and using the legend BEGIN or END within the border of the regulatory signs.

Figure 2B-4(LA28). Examples of LA28 Sign Panel and Plaque Usage on Lane Control Signs

NOTE: Refer to Figure 2G-1(LA28) for examples showing affixing of the LA28 white legend on light blue background sign panel to the face of Mandatory Movement Lane Control Signs.

CHAPTER 2D. GUIDE SIGNS – CONVENTIONAL ROADS

Section 2D.01 Scope of Conventional Road Guide Sign Standards and Application

The following is added to this section:

Support:

- 12 Refer to Chapter 2A and Section 2A.02, amongst other topics included in this CA MUTCD 2026 LA28 Supplement and CA MUTCD 2026 for using guide signs to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Section 2D.02 Color, Retroreflection, and Illumination

The following is added to this section:

Support:

- 08 Refer to Chapter 2A, Section 2A.07, and Section 2A.21, amongst other topics included in this CA MUTCD 2026 LA28 Supplement and CA MUTCD 2026 for guide sign dimensions, retroreflection, and illumination to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Section 2D.03 Size of Signs

The following is added to this section:

Standard:

- 09 Except as provided in Section 2A.07, the sizes for any new installations of guide signs to identify dedicated lanes on GRN roadways shall be as shown in Table 2D-1 and 2D-1(CA) of CA MUTCD 2026.

Section 2D.05 Size of Lettering

The following is added to this section:

Support:

- 07 Refer to Chapter 2A, Section 2A.04, Section 2A.07, and Section 2A.08, amongst other topics included in this CA MUTCD 2026 LA28 Supplement and CA MUTCD 2026 for guide sign design, dimensions, and word messages to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Section 2D.26 Advance Turn Arrow Auxiliary Plaques (M5-1P, M5-2P, and M5-3P)

The following is added to this section:

Option:

- 07 The LA28 sign plaque, including if it is combined with the word message PERMIT ONLY, may be used in conjunction with any existing or new Advance Turn Arrow Auxiliary plaques, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

- 08 The LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Advance Turn (G22(CA)) sign, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 09 Refer to Figures 2D-6 and 2D-6(CA) for Advance Turn Arrow Auxiliary plaques, and 2D-6(LA28), 2D-6(CA)(LA28), and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2D.27 Lane Designation Auxiliary Plaques (M5-4P, M5-5P, and M5-6P)

The following is added to this section:

Option:

- 03 The LA28 sign plaque, including if it is combined with the word message PERMIT ONLY, may be used in conjunction with any existing or new Lane Designation Auxiliary plaques, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 04 Refer to Figure 2D-6 for Lane Designation Auxiliary plaques, and 2D-6(LA28), 2D-6(CA)(LA28), and 2G-6(LA28) for examples showing the sign plaque addition to the guide signs.

Section 2D.28 Directional Arrow Auxiliary Plaques (M6 Series)

The following is added to this section:

Option:

- 07 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Directional Arrow Auxiliary plaques, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 08 Refer to Figures 2D-6 and 2D-6(CA) for Directional Arrow Auxiliary plaques, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2D.29 Route Sign Assemblies

The following is added to this section:

Option:

- 14 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Route Sign Assemblies, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 15 Refer to Figures 2D-7, 2D-8, and 2D-9 for Route Sign Assemblies and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2D.30 Junction Assembly

The following is added to this section:

Option:

- 07 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Junction Assemblies, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 08 Refer to Figures 2D-5 through 2D-8 for Junction Assemblies, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2D.31 Advance Route Turn Assembly

The following is added to this section:

Option:

- 17 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Advance Route Turn Assemblies, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 18 Refer to Figures 2D-6 and 2D-6(CA) for Advance Route Turn Assemblies, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2D.32 Directional Assembly

The following is added to this section:

Option:

- 06 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Directional Assemblies, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 07 Refer to Figure 2D-8 for Directional Assemblies, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2D.34 Trailblazer Assembly

The following is added to this section:

Option:

- 12 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Trailblazer Assemblies, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 13 Refer to Figures 2D-4 through 2D-9 and 2D-4(CA) through 2D-9(CA) for Trailblazer Assemblies, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2D.36 Destination Signs (D1 Series)

The following is added to this section:

Option:

- 50 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Destination signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 51 Refer to Figures 2D-9, 2D-9(CA), and 2D-9(CA)(LA28) for Destination signs, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2D.38 Combination Lane-Use/Destination Overhead Guide Sign (D15-1)

The following is added to this section:

Option:

- 06 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Combination Lane-Use/Destination overhead guide signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 07 Refer to Figures 2D-9 and 2D-9(CA) for Combination Lane-Use/Destination overhead guide signs, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2D.49 Signing on Conventional Roads on Approaches to Interchanges

The following is added to this section:

Option:

- 15 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new guide signs on conventional roads on approaches to interchanges, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 16 Refer to Figures 2D-15 through 2D-22 for Destination signs, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2D.55 Community Wayfinding Signs

The following is added to this section:

Option:

- 47 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Community Wayfinding signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 48 Refer to Figures 2D-30 through 2D-32 for Community Wayfinding signs, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Figure 2D-6(LA28). Examples of LA28 Sign Plaque Usage on Advance Turn and Directional Arrow Auxiliary Signs

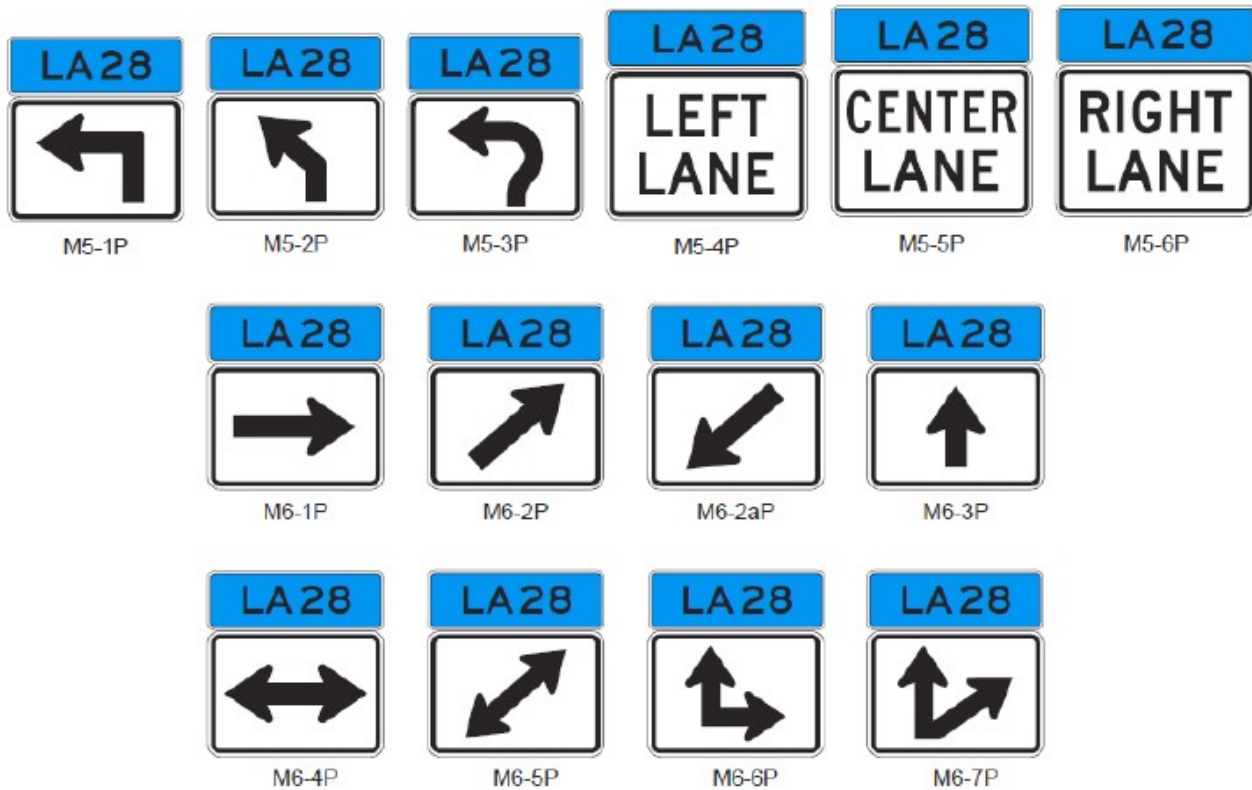


Figure 2D-6(CA)(LA28). Examples of LA28 Sign Plaque Usage on Advance Turn and Directional Arrow Auxiliary Signs



Figure 2D-9(CA)(LA28). LA28 Sign Panel on Destination Signs



CHAPTER 2E. GUIDE SIGNS – FREEWAYS AND EXPRESSWAYS

Section 2E.08 General

The following is added to this section:

Support:

- 02 Refer to Chapter 2A and Section 2A.02, amongst other topics included in this CA MUTCD 2026 LA28 Supplement and CA MUTCD 2026 for using guide signs to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Section 2E.09 Color of Guide Signs

The following is added to this section:

Support:

- 03 Refer to Chapter 2A and Section 2A.06, amongst other topics included in this CA MUTCD 2026 LA28 Supplement and CA MUTCD 2026 for using guide signs to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Section 2E.10 Retroreflection or Illumination

The following is added to this section:

Support:

- 05 Refer to Chapter 2A and Section 2A.21, amongst other topics included in this CA MUTCD 2026 LA28 Supplement and CA MUTCD 2026 for using guide signs to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Section 2E.19 Overhead Sign Installations

The following is added to this section:

Option:

- 02 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Overhead signs, where engineering judgment determines the need to identify GRN dedicated lanes to facilitate travel during LA28 games.

Support:

- 03 Refer to Figure 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2E.21 Interchange Guide Signs

The following is added to this section:

Option:

- 13 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Interchange Guide signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 14 Refer to Figures 2E-18 through 2E-47 and 2E-36(CA) through 2E-45(CA) for Interchange Guide signs, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2E.23 Interchange Advance Guide Signs (E1-1 through E1-3)

The following is added to this section:

Option:

- 19 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Interchange Advance Guide signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 20 Refer to Figures 2E-9 and 2E-9(CA) for Interchange Advance Guide signs, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2E.24 Interchange Sequence Signs (E9-1 and E9-2)*The following is added to this section:*

Option:

- 13 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Interchange Sequence signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 14 Refer to Figures 2E-10, 2E-10(CA), and 2E-11 for Interchange Sequence signs, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2E.25 Exit Direction Signs (E4 Series)*The following is added to this section:*

Option:

- 21 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Exit Direction signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 22 Refer to Figures 2E-12 through 2E-14, and 2E-12(CA) for Exit Direction signs, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2E.26 Exit Gore Signs and Plaque (E5-1 Series)*The following is added to this section:*

Option:

- 11 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Exit Gore signs and plaques, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 12 Refer to Figure 2E-15 for Exit Gore signs and plaques, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2E.27 Pull-Through Signs (E6-1 Series and E6-2 Series)*The following is added to this section:*

Option:

- 06 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Pull-Through signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 07 Refer to Figures 2E-16 and 2E-16(CA) for Pull-Through signs, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2E.55 Route Signs and Trailblazer Assemblies*The following is added to this section:*

Option:

- 08 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Route signs or Trailblazer Assemblies, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 09 Refer to Figures 2D-4 and 2D-8 and 2D-4(CA) through 2D-6(CA) for Route signs and Trailblazer Assemblies, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

CHAPTER 2G. PREFERENTIAL AND MANAGED LANE SIGNS

Section 2G.01 Scope

The following is added to this section:

Support:

- 11 Specific preferential lanes will be used to designate Olympic Games vehicles to travel between venues on roadways that are included in the established GRN during LA28 in locations specified by the supplement. Specific preferential lanes that are used as dedicated lane(s) for Olympic Games vehicles to travel between venues and included in the established GRN, are referred to as “GRN lane(s)” in this CA MUTCD 2026 LA28 Supplement.

Standard:

- 12 The provisions of Chapter 2G for regulatory and guide signs shall apply to all roadways included in the established GRN in locations specified by Caltrans experimentation request to FHWA.

Section 2G.03 Regulatory Signs for Preferential Lanes - General

The following is added to this section:

Standard:

- 25 The provisions of Sections 2G.03 through 2G.07 regarding regulatory signs for preferential lanes shall apply to GRN dedicated lanes operated at all times or at certain times based on the needs of established GRN to allow Olympic Games vehicles to travel between venues and ensure athletes and accredited persons make their events and venues on time. Such GRN lanes shall use changeable message signs or changeable message elements within static signs, or static signs to display the appropriate regulatory sign messages only when they are in effect.

Option:

- 26 Regulatory signs or regulatory panels within the appropriate guide signs may be used to display the open/closed status of the GRN lane.
- 27 The LA28 sign plaque or the LA28 sign panel may be used on any regulatory sign included in this CA MUTCD 2026 LA28 Supplement, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.
- 28 If used, the LA28 sign plaque or the LA28 sign panel may be combined with the word message PERMIT ONLY in black legend on a white background where engineering judgment determines it is needed.

Standard:

- 29 Regulatory signs applicable only to a dedicated GRN lane shall be distinguished from regulatory signs applicable to general-purpose lanes by the inclusion of the legend “LA28”, or “LA28” and “PERMIT ONLY” (see Figure 2G-1(LA28)). Refer to Section 2A.06 for “LA28” word legend and legend background colors. If used, the legend “PERMIT ONLY” color shall be black and the background color shall be white.

Support:

- 30 The word message and light blue color background displayed on a particular GRN Lane regulatory sign will vary based on the specific type of allowed traffic and on other related operational constraints that have been established for a particular lane.

Option:

- 31 Changeable message signs may supplement or substitute for static GRN Lane regulatory signs where travel conditions change or where multiple types of operational strategies (such as time of day requirements or vehicle types) are used and varied throughout the day or week, or on a real-time basis, to manage the use of, control of, or access to GRN lanes.

Standard:

- 32 When changeable message signs (see Chapter 2L) are used as regulatory signs for GRN lanes, they shall be the required sign size and shall display the required letter height and legend format that corresponds to the type of roadway facility and design speed.

Guidance:

- 33 When regulatory signs are used at new locations on conventional roads to facilitate GRN travel during LA28 games, the decision regarding whether to use a barrier-mounted, post-mounted, or overhead version of a particular type of sign should be based on an engineering judgment that considers the available space, the existing signs for the adjacent general-purpose traffic lanes, roadway and traffic characteristics, the proximity to existing overhead signs, the ability to install overhead signs, and any other unique local factors.
- 34 If overhead regulatory signs applicable only to a GRN lane are located in approximately the same longitudinal position along the highway

as overhead signs applicable only to the general-purpose lanes, the signs for the GRN lane should be separated laterally from the signs for the general-purpose lanes to the maximum extent practicable to minimize conflicting information, while maintaining their visual relationship to the lanes below necessitated by specific legend or arrows indicating lane assignment.

Guidance:

- 35 On conventional roadways, existing signage and new sign installation locations (if needed) spacing should be determined by engineering judgment based on speed, block length, distances from adjacent intersections, and other site-specific considerations.

Support:

- 36 The agencies that own and operate roadways included in the established GRN have the authority and responsibility to determine how they are operated and the GRN permit requirements.
- 37 Figures 2G-2(LA28) and 2G-3(LA28) illustrates the examples of LA28 sign panels on regulatory signs for the beginning, along the length, and at the end of contiguous GRN lanes that provide continuous access with the adjacent general purpose lanes.

Section 2G.05 Preferential Lane Operation Signs (R3-11 Series and R3-14 Series)

The following is added to this section:

Option:

- 20 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Preferential Lane Operation signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.
- 21 Additional overhead or post-mounted signs may be provided along the length of any type of dedicated lane(s) included in the established GRN.

Support:

- 22 If signs using LA28 sign plaque or LA28 sign panel are needed to be installed at new locations to identify GRN dedicated lanes during LA28, refer to Section 2A.13 in current CA MUTCD 2026.

Support:

- 23 Refer to Figures 2G-1, 2G-1(CA), 2G-2, 2G-2(LA28), and 2G-3 for Preferential Lane Operation signs, and 2G-1(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the regulatory signs.

Section 2G.06 Preferential Lane Advance Signs (R3-12, R3-12e, R3-12f, R3-15, R3-15a, and R3-15d)

The following is added to this section:

- 09 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Preferential Lane Advance signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 10 If signs using LA28 sign plaque or LA28 sign panel are needed to be installed at new locations to identify GRN dedicated lanes during LA28, refer to Section 2A.13 in current CA MUTCD 2026.

Support:

- 11 Refer to Figures 2G-1, 2G-1(CA), 2G-1(LA28), 2G-2, 2G-2(LA28), 2G-3, and 2G-3(LA28) for Preferential Lane Advance signs, and 2G-1(LA28) and 2G-3(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the regulatory signs.

Section 2G.07 Preferential Lane Ends Signs (R3-12a, R3-12b, R3-12c, R3-12d, R3-12g, R3-12h, R3-15b, R3-15c, and R3-15e)

The following is added to this section:

Option:

- 09 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Preferential Lane Ends signs, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 10 Refer to Figures 2G-1, 2G-2, 2G-3, and 2G-1(CA) for Preferential Lane Ends signs, and 2G-1(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the regulatory signs.

Section 2G.08 Warning Signs on Median Barriers for Preferential Lanes

The following is added to this section:

Option:

- 02a The LA28 sign plaque or the LA28 sign panel, with white or black legend on light blue background, may be used on the top portion of a vertically-oriented rectangular-shaped warning sign applicable only to a GRN lane.

Support:

- 10 Refer to Figure 2G-4(LA28) for GRN Lane warning signs.

Section 2G.10 Preferential Lane Guide Signs – General

The following is added to this section:

Option:

- 16a The LA28 sign plaque or LA28 sign panel, with white or black legend on light blue background, may be used on the top portion of a vertically-oriented rectangular-shaped guide sign applicable only to a GRN lane installed on a median barrier.

Support:

- 27 GRN lanes are used on freeways, expressways, and conventional roads to allow Olympic Games vehicles to travel between venues and ensure athletes and accredited persons make their events and venues on time.

- 28 Additional guidance and standards related to the designation, operational considerations, signs, pavement markings, and other considerations for GRN lanes are provided in Sections 2G.03 through 2G.07, 2G.09, and Chapter 3E.

Standard:

- 29 **Signs applicable only to a GRN lane, shall be distinguished from signs applicable to a preferential lane or general-purpose lanes by the inclusion of the LA28 sign plaque or sign panel.**

Option:

- 30 When post-mounted guide signs applicable only to a GRN lane are installed on a median barrier with limited lateral clearance to the adjacent travel lanes or shoulders, the guide signs may have a vertically-oriented rectangular shape.

Standard:

- 31 **When changeable message signs (see Chapter 2L) are used as guide signs for GRN lanes, they shall be the required sign size and shall display the required letter height and legend format that correspond to the type of roadway facility and design speed. Guide signs on streets and highways shall have a white message and border on a green background.**

Section 2G.11 Signing for Initial Entry Points to Preferential Lanes

The following is added to this section:

Option:

- 10 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Guide Signs for Initial Entry Points to Preferential Lanes, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 11 Refer to Figures 2G-8 through 2G-10 for Guide Signs for Initial Entry Points to Preferential Lanes, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

- 12 Figure 2G-8(LA28) shows an example of signing of Advance Guide and Entrance Direction Signs for a general-purpose lane that becomes a GRN Lane that does not provide continuous access with the adjacent general-purpose lanes.

- 13 Figure 2G-9(LA28) shows an example of signing for an Entrance to GRN Lanes.

Section 2G.12 Signing for Intermediate Entry Points to Preferential Lanes

The following is added to this section:

Option:

- 10 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Guide Signs for Intermediate Entry Points to Preferential Lanes, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 11 Refer to Figures 2G-7, 2G-10, and 2G-11 for Guide Signs for Intermediate Entry Points to Preferential Lanes, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

- 12 Figure 2G-11(LA28) shows examples of signs for various geometric configurations of intermediate entry to a barrier-separated or

buffer-separated GRN lane where access is restricted to designated locations.

Section 2G.13 Signing for Egress from Preferential Lanes to General-Purpose Lanes

The following is added to this section:

Option:

- 08 The LA28 sign plaque or the LA28 sign panel, may be used on any existing or new Guide Signs for Egress from Preferential Lanes to General-Purpose Lanes, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 09 Refer to Figures 2G-11 through 2G-13 for Guide Signs for Egress from Preferential Lanes to General-Purpose Lanes, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2G.14 Signing for Direct Entrances to Preferential Lanes from Another Highway

The following is added to this section:

Option:

- 03 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Guide Signs for Direct Entrances to Preferential Lanes from Another Highway, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 04 Refer to Figures 2G-14(LA28) and 2G-16(LA28) for Guide Signs for Direct Entrances to Preferential Lanes, and 2G-6(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

Section 2G.15 Signing for Direct Exits from Preferential Lanes to Another Highway

The following is added to this section:

Option:

- 08 The LA28 sign plaque or the LA28 sign panel, including if it is combined with the word message PERMIT ONLY, may be used on any existing or new Guide Signs for Direct Exits from Preferential Lanes to Another Highway, where engineering judgment determines the need to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Support:

- 09 Refer to Figures 2G-15(LA28) and 2G-16(LA28) for Guide Signs for Direct Exits from Preferential Lanes, and 2G-6(LA28) and 2G-15(LA28) for examples showing the sign plaque addition and affixing the sign panel to the face of the guide signs.

**Figure 2G-1(LA28). Examples of LA28 Sign Panel Usage on GRN Lane
Regulatory Signs and Plaque (Sheet 1 of 3)**

A – Barrier-Mounted GRN Regulatory Signs

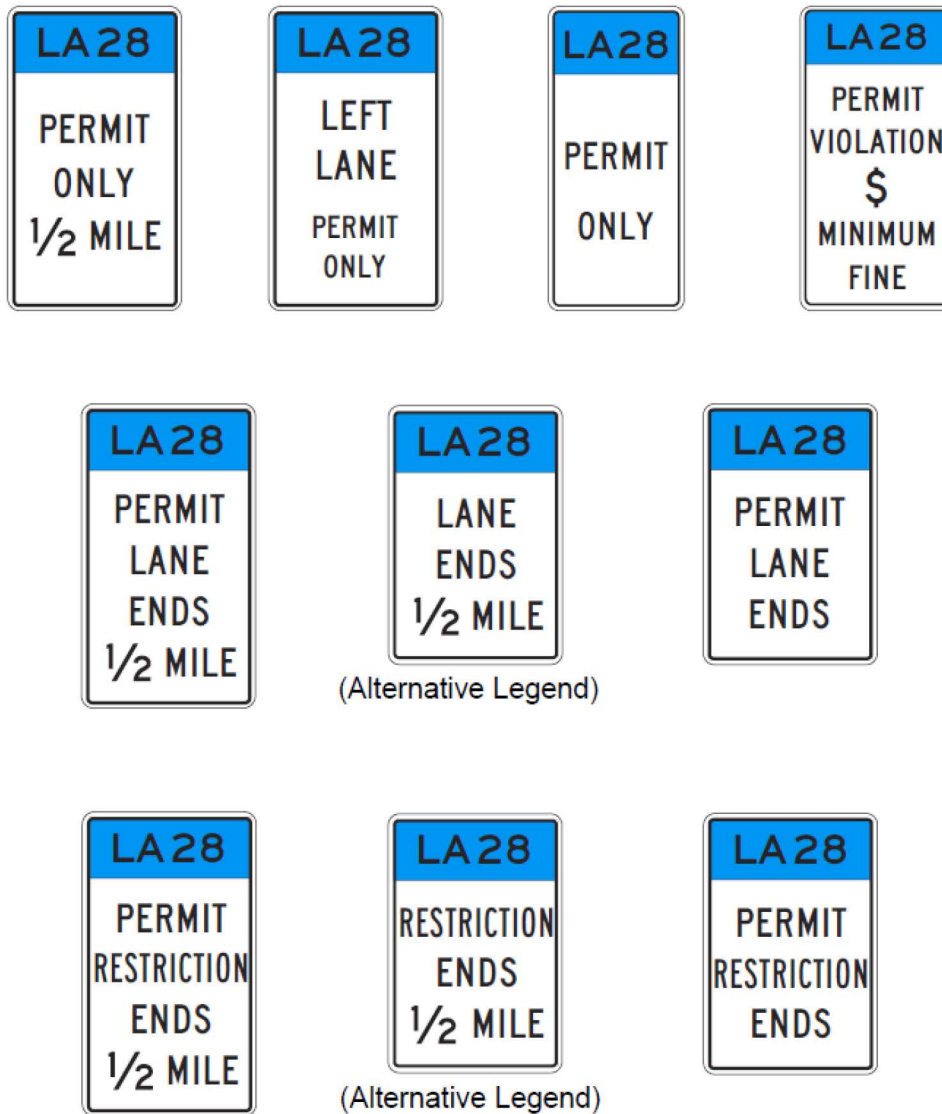


Figure 2G-1(LA28). Examples of LA28 Sign Panel Usage on GRN Lane Regulatory Signs and Plaque (Sheet 2 of 3)

B – Overhead Games Route Network Regulatory Signs

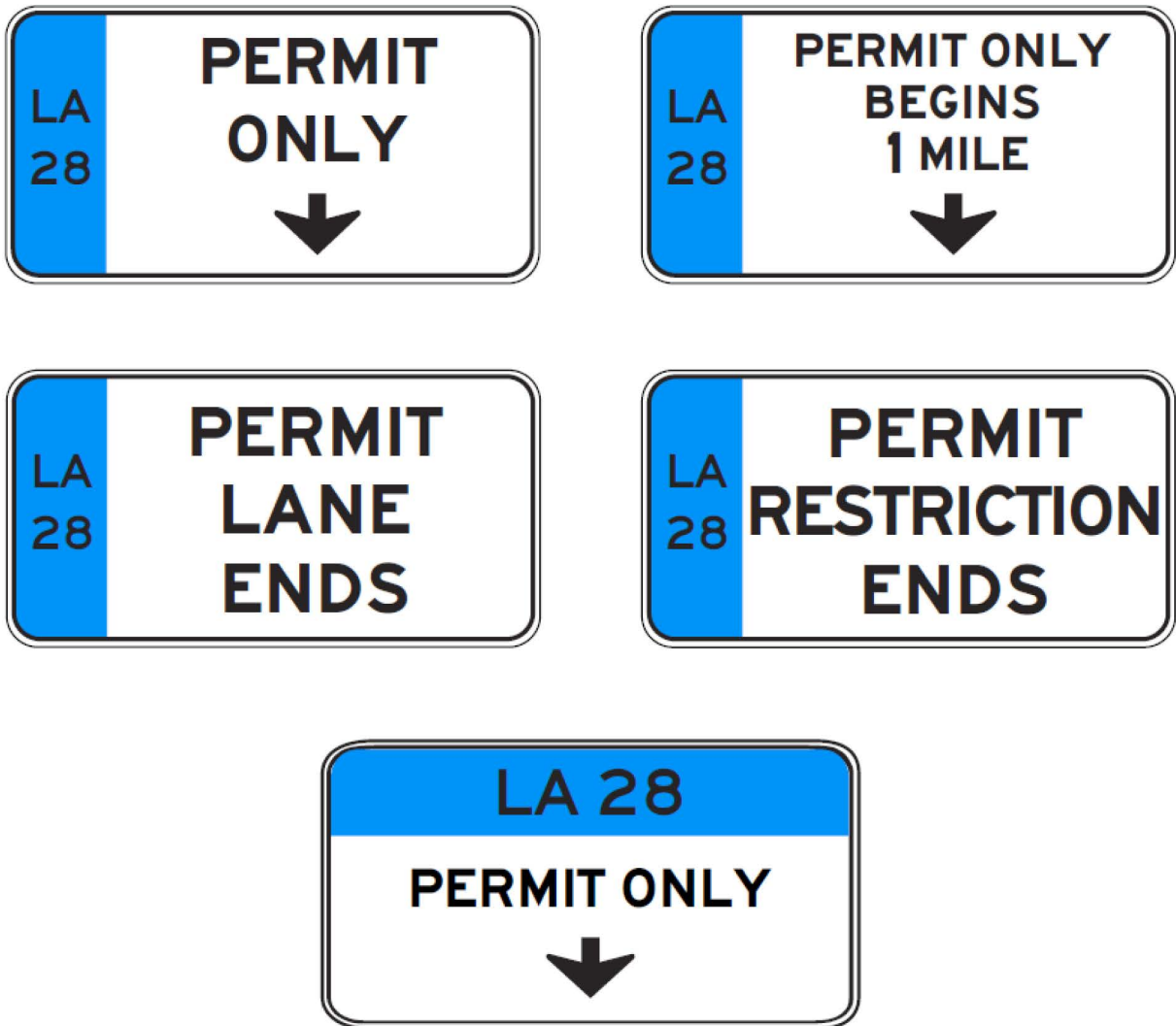
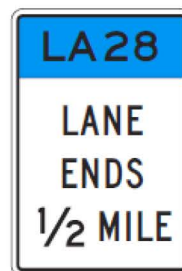
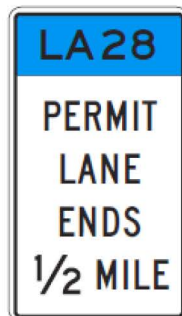
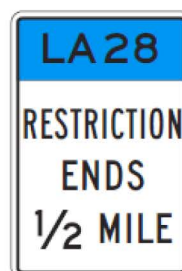
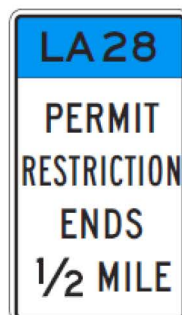
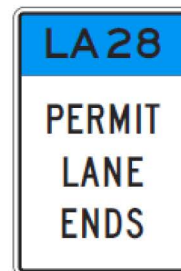


Figure 2G-1(LA28). Examples of LA28 Sign Panel Usage on GRN Lane Regulatory Signs and Plaque (Sheet 3 of 3)

C – Post-Mounted Arterial Street Games Route Network Regulatory Signs and Plaques



(Alternative Legend)



(Alternative Legend)



Figure 2G-2(LA28). Example of Signing for an Added Continuous-Access Contiguous or Buffer-Separated GRN Lane

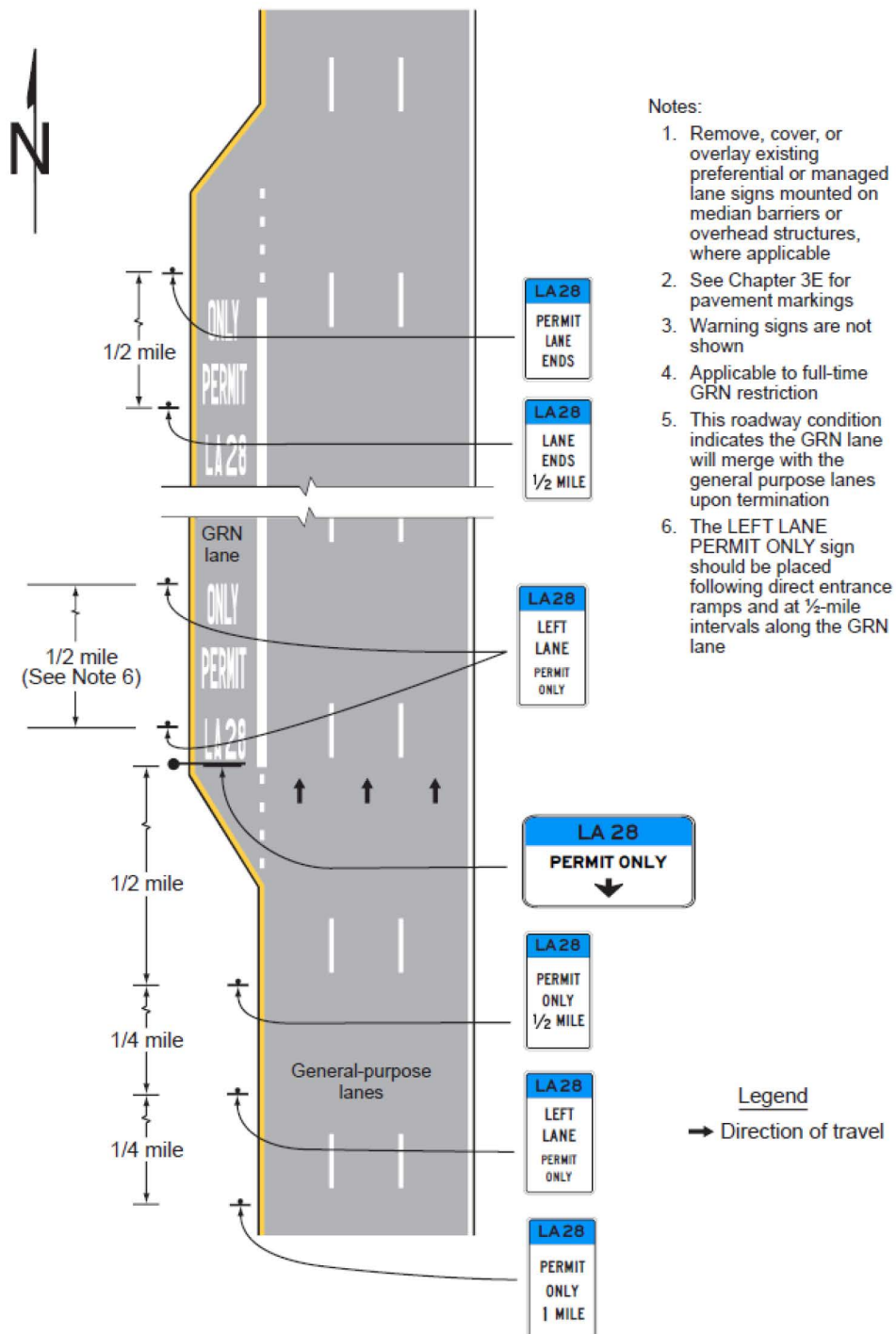


Figure 2G-3(LA28). Example of Signing for a General-Purpose Lane that Becomes a GRN Lane (New, or Converted from Continuous-Access Contiguous or Buffer-Separated HOV Lane)

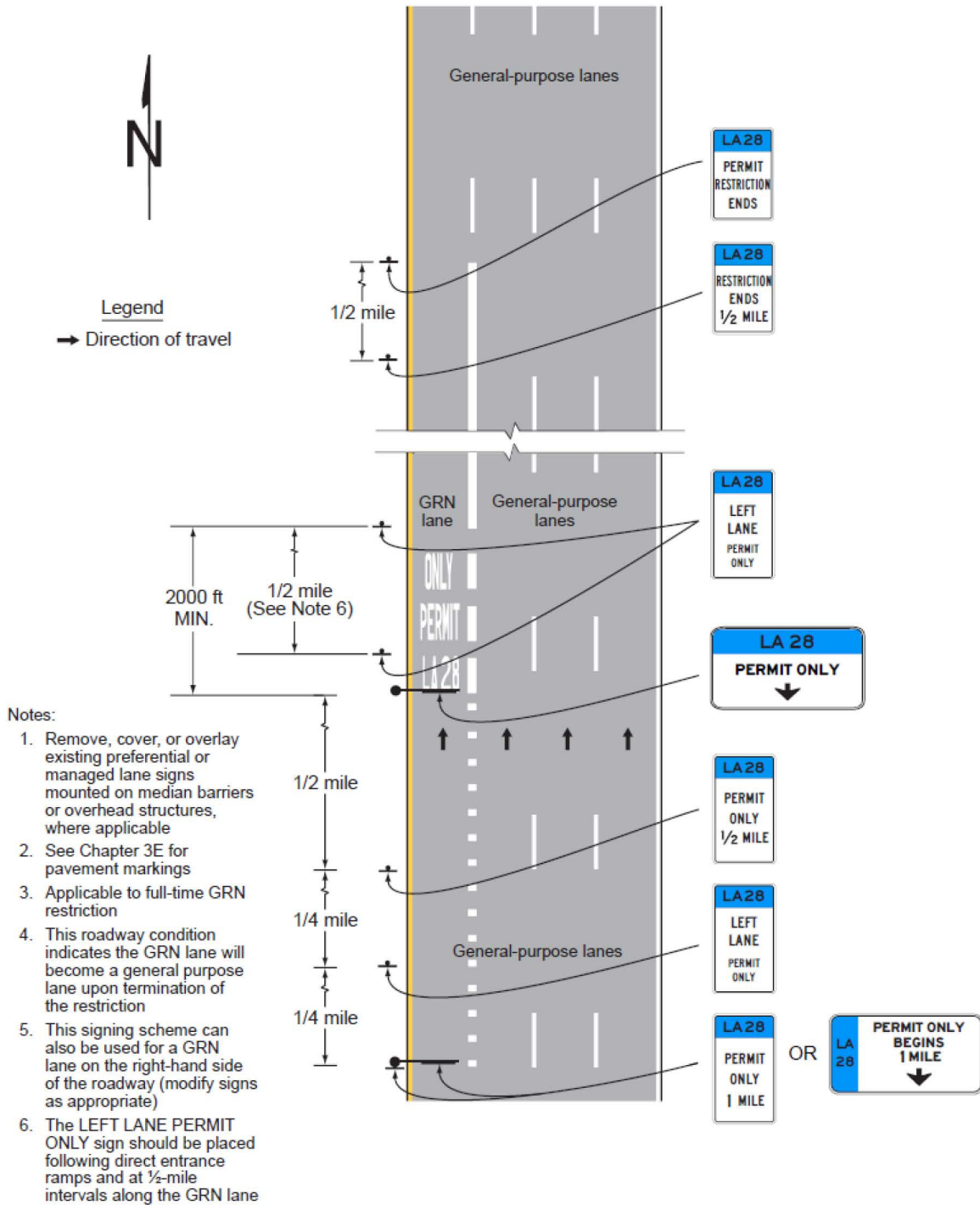


Figure 2G-4(LA28). Examples of Warning Signs Applicable Only to GRN Lanes

Barrier-mounted rectangular warning signs

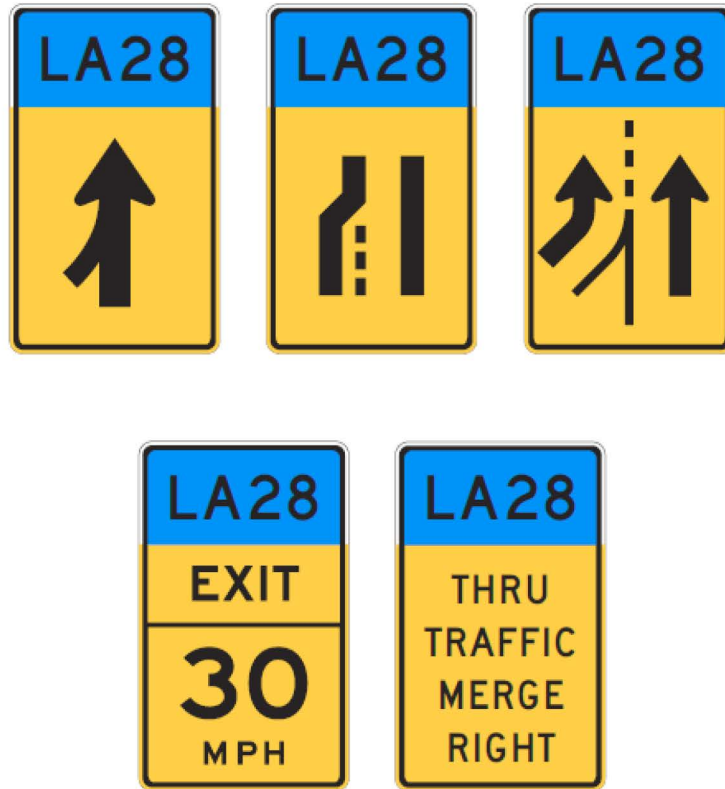
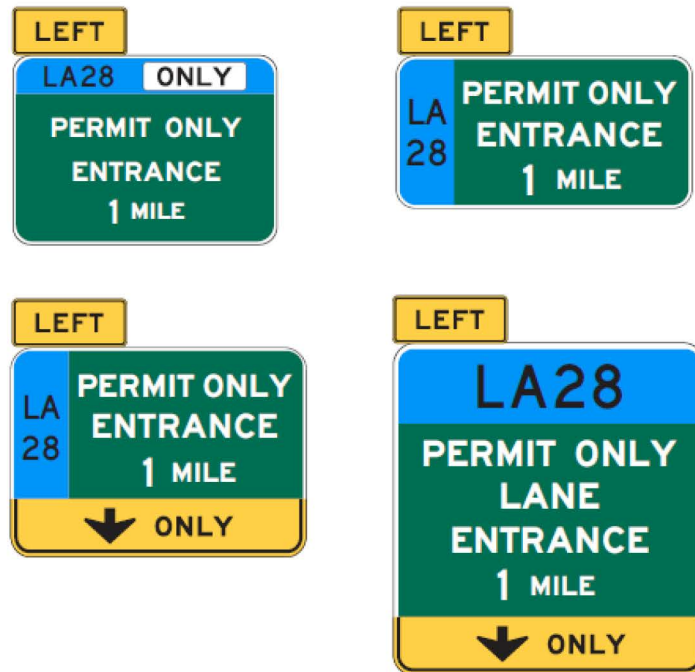


Figure 2G-6(LA28). Examples of LA28 Sign Panel Usage on GRN Lane Guide Signs (Sheet 1 of 2)

A – Overhead GRN Lane Entrance Advance Guide Signs



B – Overhead GRN Lane Entrance Direction Guide Signs

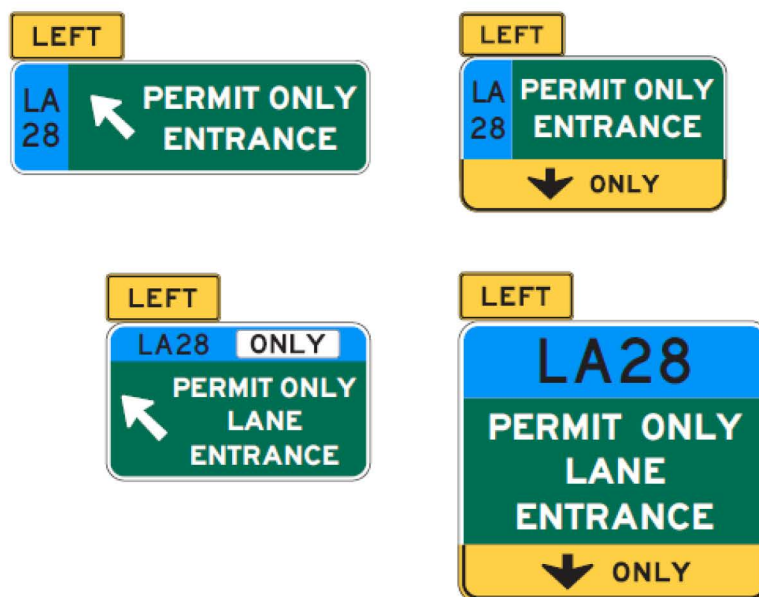


Figure 2G-6(LA28). Examples of LA28 Sign Panel Usage on GRN Lane Guide Signs (Sheet 2 of 2)

C – Barrier-mounted GRN Lane Exit and Advance Guide Signs



Notes:

1. Refer to CA MUTCD 2026 Chapters 2E and 2G for the installation of the LEFT plaque for left exits
2. The cardinal direction should be placed above to the route shield for exits that serve a single direction of travel

D – Post-mounted GRN Lane Entrance Guide Signs



Figure 2G-7(LA28). Examples of LA28 Sign Panel Usage on Entrance Gore Signs for Barrier-Separated GRN Lanes

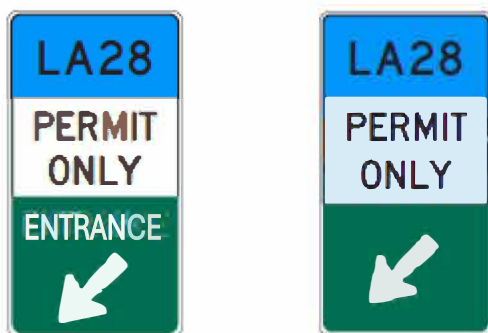


Figure 2G-8(LA28). Example of Advance Guide and Entrance Direction Signs for a General-Purpose Lane that Becomes an Access-Restricted GRN Lane (Former Preferential Lane)

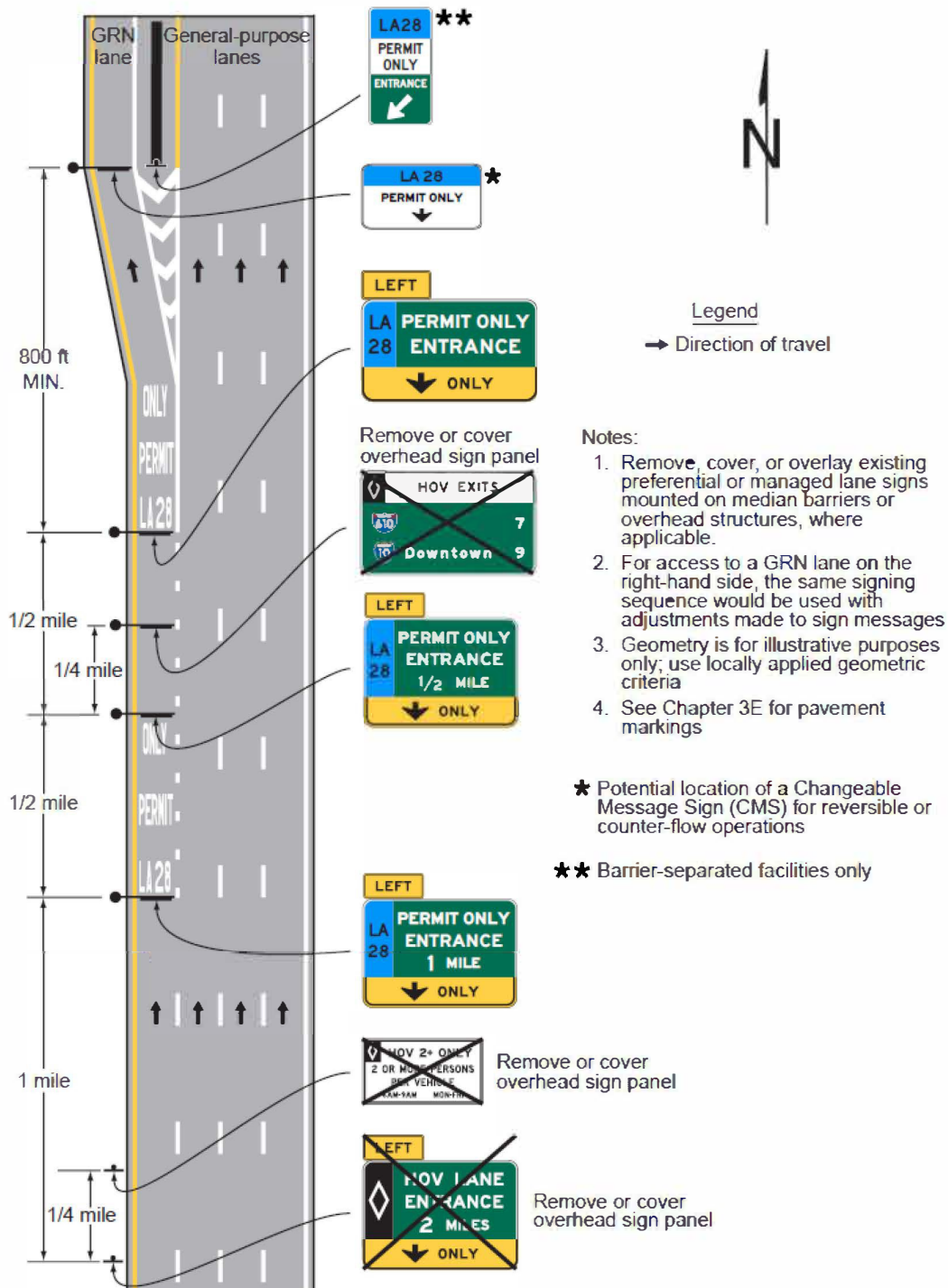


Figure 2G-9(LA28). Example of Signing for an Entrance to Access-Restricted GRN Lanes (Former Access-Restricted HOV Lanes)

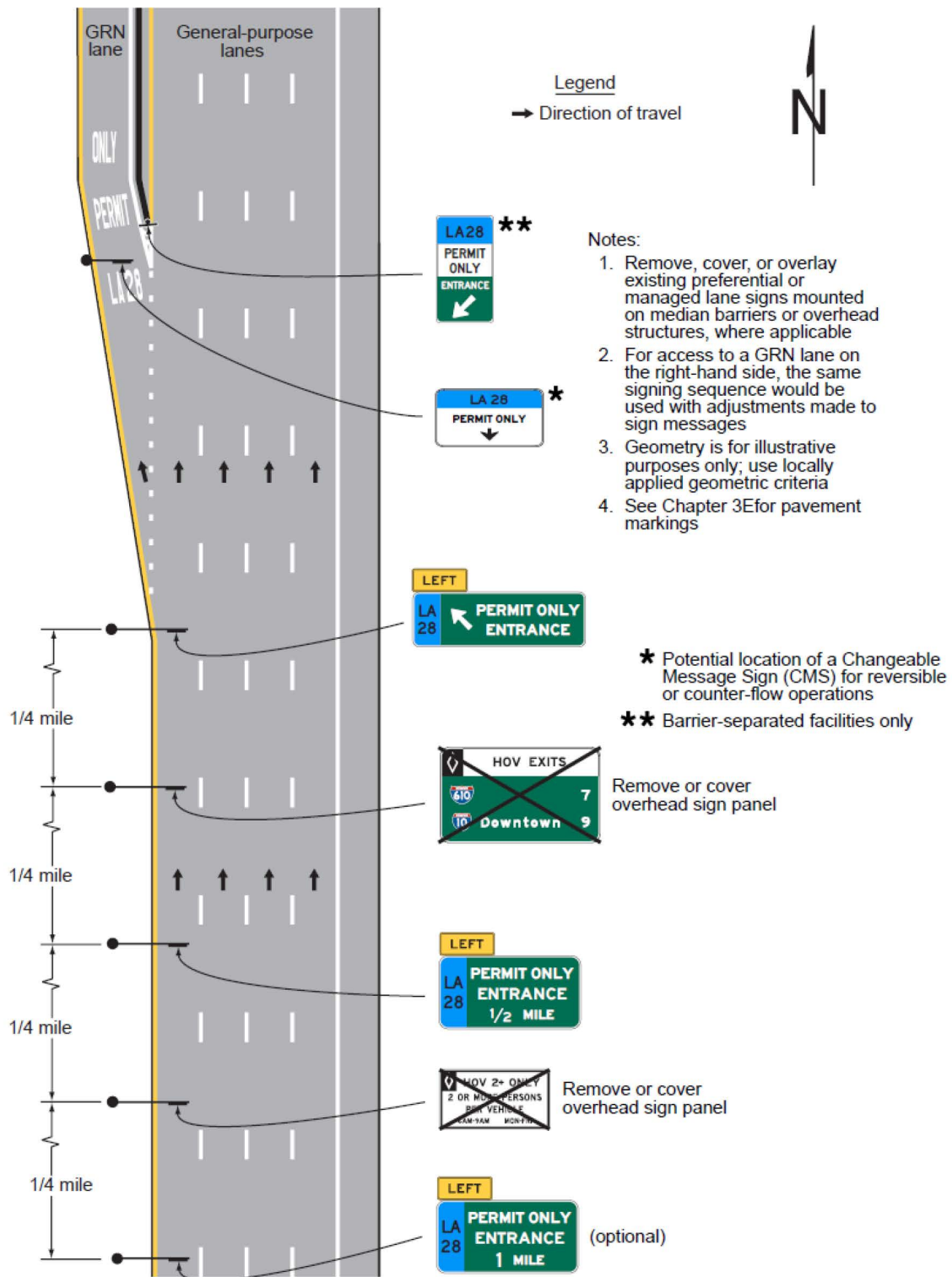


Figure 2G-11(LA28). Example of Signing for the Intermediate Entry to, Egress from, and End of Access-Restricted GRN Lanes (Former Access-Restricted HOV Lanes)

Notes:

1. Remove, cover, or overlay existing preferential or managed lane signs mounted on median barriers or overhead structures, where applicable
2. Geometry is for illustrative purposes only; use locally applied geometric criteria
3. See Chapter 3E for pavement markings
4. Warning signs are not shown

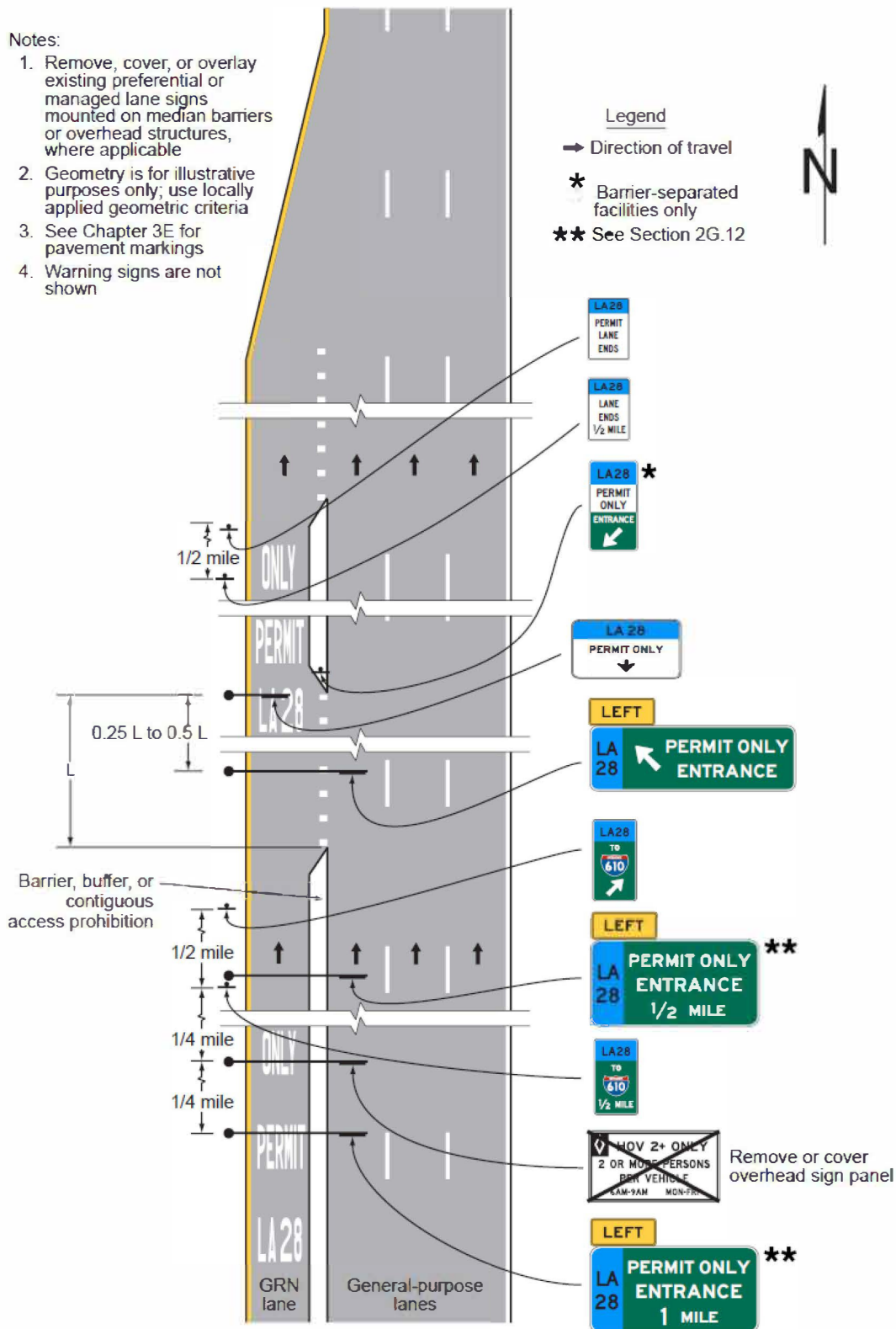


Figure 2G-12(LA28). Examples of LA28 Sign Panel Usage on Barrier-Mounted Guide Signs for an Intermediate Egress from GRN Lanes



Figure 2G-15(LA28). Exit and Pull-Through Signs for a Direct Exit from a GRN Lane

A – Barrier-mounted GRN Exit Gore Sign



B – Overhead GRN Advance Guide, Exit Direction, and Pull-Through Signs

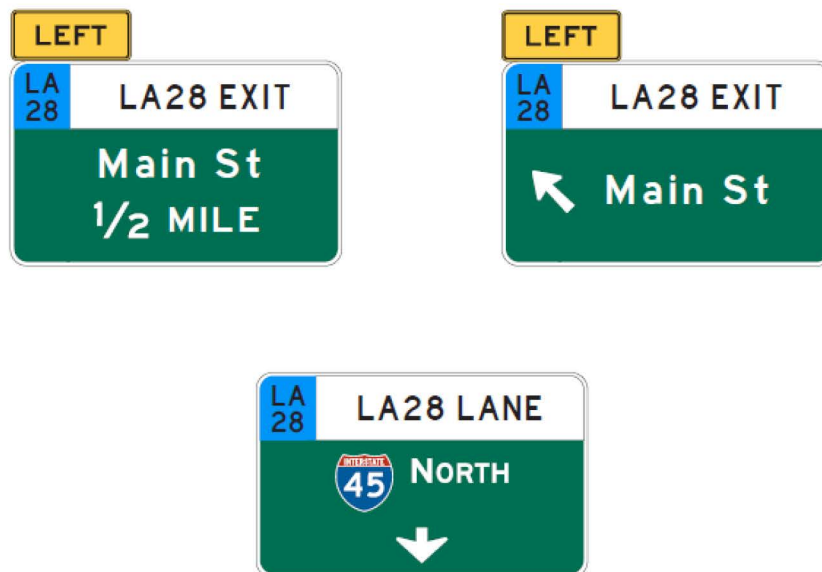
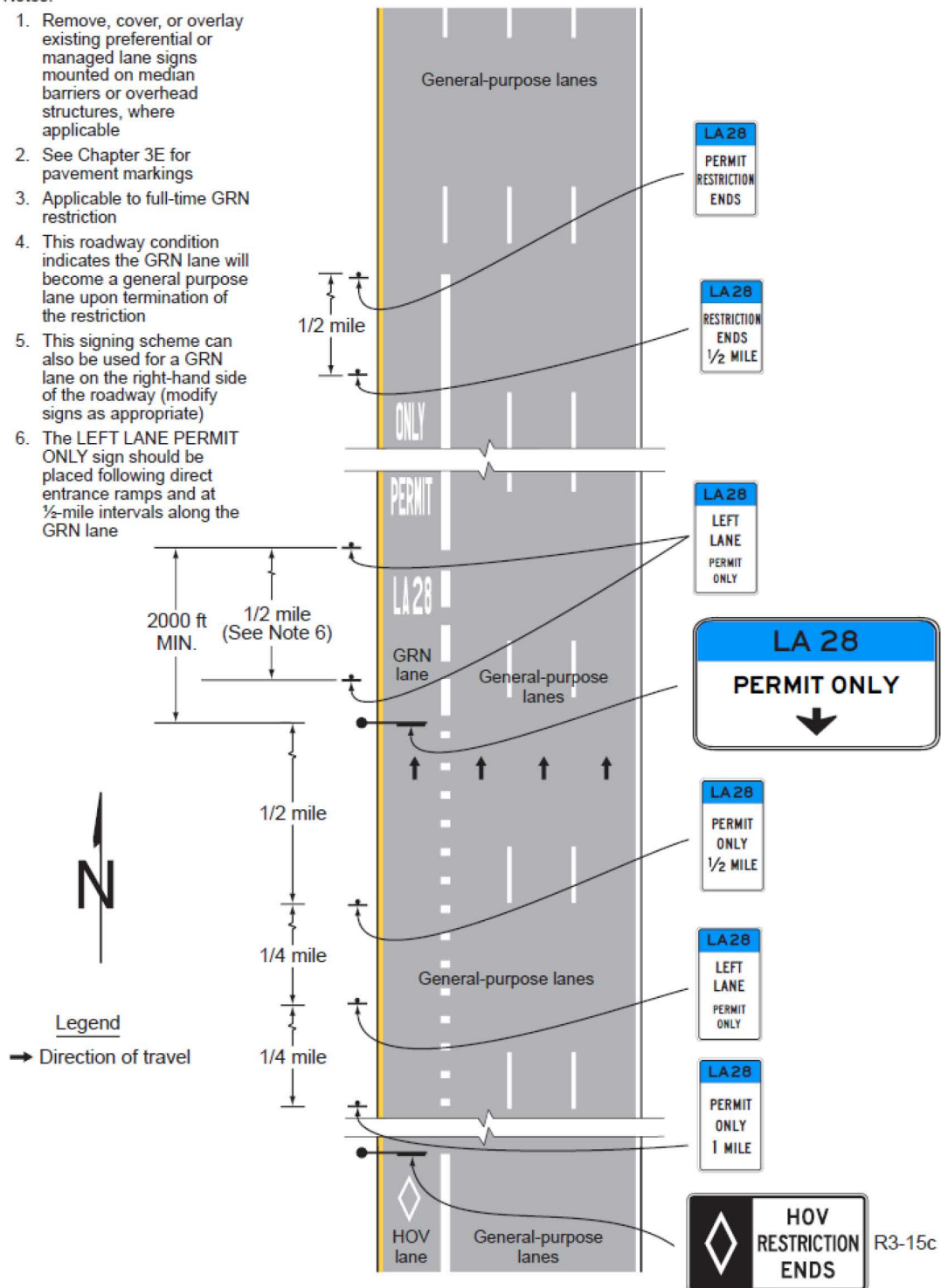


Figure 2G-102(LA28). Example of Signing for a Preferential or Managed Lane that Becomes a GRN Lane (Intermediate Conversion)

Notes:

1. Remove, cover, or overlay existing preferential or managed lane signs mounted on median barriers or overhead structures, where applicable
2. See Chapter 3E for pavement markings
3. Applicable to full-time GRN restriction
4. This roadway condition indicates the GRN lane will become a general purpose lane upon termination of the restriction
5. This signing scheme can also be used for a GRN lane on the right-hand side of the roadway (modify signs as appropriate)
6. The LEFT LANE PERMIT ONLY sign should be placed following direct entrance ramps and at ½-mile intervals along the GRN lane



CHAPTER 2L. CHANGEABLE MESSAGE SIGNS

Section 2L.01 Description of Changeable Message Signs

The following is added to this section:

Standard:

- 09 If used, provisions of Chapter 2G and Chapter 2L of CA MUTCD 2026 and this Supplement LA28 shall apply to changeable message signs used in GRN dedicated lane(s) for Olympic Games vehicles to travel between venues that is included in the established GRN. Such GRN lanes shall use changeable message signs or changeable message elements within static signs to display the appropriate regulatory sign messages only when they are in effect.

Support:

- 10 Refer to Sections 1D.08, 2G.01, and 2G.06, Figures 2G-8(LA28), 2G-9(LA28), and Tables 1D-101(LA28), 2A-2, and 2A-2(LA28) of CA MUTCD 2026 and its LA28 Supplement for more details on changeable message sign applications in GRN dedicated lane(s) for Olympic Games vehicles to travel between venues that is included in the established GRN.

Section 2L.02 Applications of Changeable Message Signs

The following is added to this section:

Option:

- 02a Any existing or new changeable message signs or portable changeable message signs may be used to display GRN messages, where engineering judgment determines the need to use GRN messages on GRN roadways to facilitate travel during LA28 games.

Support:

- 02b Proposed GRN messages used on the changeable message signs and portable changeable message signs, such as LA28 PERMIT ONLY, LA28 PERMIT ONLY AHEAD, and LA28 PERMIT ONLY LEFT LANE are transportation-related messages.

Standard:

- 02c GRN messages used on changeable message signs shall be used only if the changeable message signs or the portable changeable message signs are located in or on approaches to GRN dedicated lane(s) for Olympic Games vehicles to travel between venues that is included in the established GRN. Messages must conform to message requirements, including those for abbreviations, included in Parts 1 and 2.

Section 2L.05 Message Length and Units of Information

The following is added to this section:

Guidance:

- 12 When a CMS is used to display a GRN message, the message should be simple, direct, brief, legible, and clear (see Section 1D.01). GRN messages should be relevant to the road user on the roadway that is included in the established GRN, on which the message is displayed.
- 13 The GRN message should be appropriately shortened or otherwise modified to comply with the provisions of Section 2L.05 when it is displayed on a CMS.
- 14 The GRN message should be similar to the static GRN regulatory and guide sign legends that are included in CA MUTCD 2026 LA28 Supplement in Chapter 2G.

Support:

- 15 Table 2L-101(LA28) provides examples of GRN messages for CMS that can be used in GRN dedicated lane(s) for Olympic Games vehicles to travel between venues that is included in the established GRN.

Table 2L-101(LA28). Example of GRN Messages for CMS (Sheet 1 of 2)

Example	Phase	Message	Comments
1	1	LA28 PERMIT ONLY AHEAD	Advance warning message: TBD
	2	LA28 PERMIT ONLY LEFT LANE	
2	1	LA28 PERMIT ONLY	GRN Lane definition message: TBD
3	1	LA28 GAMES ROUTE NETWORK	GRN Lane definition message: TBD
4	1	LA28 PERMIT VIOLATION FINE \$###	GRN Lane operation message: TBD
5	1	LA28	GRN Lane Advance message: TBD
6	1	HOV LANES FOR LA28 OFFICIAL VEHICLES ONLY	
7	1	LA28 LANE WILL BE	
	2	ACTIVATED JUNE 1ST	
8	1	LA28 OFFICIAL VEHICLES ONLY	
	2	USE N110 TO PICO EXIT	

Note: Examples shown are for single-color CMS with pixel spacing greater than 20 mm and use all upper-case lettering. Multi-color, full-matrix CMS with pixel spacing of 20 mm or less should use upper- and lower-case lettering where appropriate and proper legend and background colors.

Table 2L-101(LA28). Example of GRN Messages for CMS (Sheet 2 of 2)

Example	Phase	Message	Comments
1	1	HOV LANE STARTING MM-DD-YY	
	2	LA28 VEHICLES ONLY	
2	1	LA28 GAMES PARKING ONLY	
3	1	LA28 EVENT TRAFFIC ONLY	
4	1	LA28 PERMIT ONLY	
5	1	OFFICIAL VEHICLES ONLY	
6	1	LA28 VEHICLES ONLY	
	2	MAY USE CARPOOL LANE	

Note: Examples shown are messages with black legend on white background. Multi-color, full matrix CMS with pixel spacing of 20 mm or less should use upper- and lower-case lettering where appropriate and proper legend and background colors.

Table 2L-102(LA28). Examples of GRN Messages for Portable CMS* (Sheet 1 of 3)

Example	Phase	Message	Comments
1	1	LA28 PERMIT ONLY	Advance warning message: TBD
	2	LA28 LEFT LN AHEAD	
2	1	LA28 PERMIT ONLY	
	2	LA28 LEFT LN AHEAD	
3	1	HOV LANE STARTING MM-DD-YY	
	2	LA28 VEHICLES ONLY	
4	1	LA28 VEHICLES ONLY	
	2	MAY USE CARPOOL LANE	
5	1	LA28 GAMES PARKING	
	2	USE MLK JR EXIT	
6	1	NO TRUCKS ALLOWED	
	2	NORTH OF RTE 105	

* Examples shown are for a portable CMS where the display width is generally limited to 8 characters per line of legend.

Table 2L-102(LA28). Examples of GRN Messages for Portable CMS* (Sheet 2 of 3)

Example	Phase	Message	Comments
7	1	MAY USE RAMP AHEAD	
	2	OFFICIAL VEHICLES ONLY	
8	1	OLYMPIC STADIUM TRAFFIC	
	2	USE CENTURY EXIT	
9	1	LA28 VEHICLES ONLY	
	2	USE NEXT EXIT	
10	1	LA28 GAMES LANES	
	2	06/01/28 TO 09/01/28	
11	1	OLYMPIC EVENT TRAFFIC	
	2	USE NEXT 3 EXITS	
12	1	LA28 OLYMPIC VILLAGE	
	2	USE WILSHIRE EXIT	

* Examples shown are for a portable CMS where the display width is generally limited to 8 characters per line of legend.

Table 2L-102(LA28). Examples of GRN Messages for Portable CMS* (Sheet 3 of 3)

Example	Phase	Message	Comments
13	1	CENTURY EXIT CLOSED	
	2	USE ALT ROUTES	
14	1	ALL TRUCKS MUST	
	2	EXIT AT SLAUSON	
15	1	N110 AT MLK JAMMED	
	2	USE ALT ROUTES	
16	1	MLK JR EXIT JAMMED	
	2	USE EXPO EXIT	
17	1	SLOW TRAFFIC AHEAD	
	2	PREPARE TO STOP	
18	1	HOV LANE CLOSED AHEAD	
	2	LA28 VEHICLES ONLY	

* Examples shown are for a portable CMS where the display width is generally limited to 8 characters per line of legend.

PART 3

MARKINGS

CHAPTER 3A. GENERAL

Section 3A.01 Standardization of Application

The following is added to this section:

Standard:

- 09 The provisions of Part 3 regarding markings in general, material, retroreflectivity (Chapter 3A), word pavement markings (Chapter 3B), preferential lane markings (Chapter 3E) and colored pavements (Chapter 3H) shall apply to all roadways included in the established GRN in locations specified by Caltrans experimentation request to FHWA.
- 10 When a Games Route Network (GRN) has been established with dedicated lanes for Olympic Games vehicles to travel between venues, the LA28 sign plaque, LA28 sign panel, including when combined with PERMIT ONLY message (see Chapters 2A, 2B, 2D, 2E and 2G) and LA28 and PERMIT ONLY word pavement markings (see Chapters 3A, 3B, 3E and 3H) for these lanes shall be used to advise road users of GRN permit requirements and restrictions.

Guidance:

- 11 The LA28 word pavement marking (see Figures 3B-107(LA28) and 3B-108(LA28)) should be used only where deemed necessary or desirable and justified by engineering judgment, as provided in Section 1D.03.
- 12 The LA28 word pavement markings in white color legend, without any background should only be used where the white legend color contrasts significantly with the adjoining paved areas. The LA28 word pavement marking can be used in combination with the black color to enhance contrast with adjoining paved areas.

Option:

- 13 The LA28 word pavement marking may be used on any roadway that is included in the established GRN, where engineering judgment determines the need to identify GR dedicated lanes on GRN roadways to facilitate travel during LA28 games.
- 14 To enhance the identification of GRN dedicated lanes, the PERMIT ONLY word pavement marking in white legend on a black background maybe used at some locations in conjunction with the LA28 word pavement marking, where engineering judgment determines it is needed.

Guidance:

- 15 If used, the LA28 and PERMIT ONLY word pavement markings (see Figures 3B-107(LA28) and 3B-108(LA28)) should be in place before the games begin and maintained during the games for the time period June 1, 2028 to September 1, 2028.

Standard:

- 16 Where used on roadways in GRN, the LA28 and PERMIT ONLY word pavement markings shall be removed after September 1, 2028 or the end of the games and the roadway restored to the condition of previous markings.

Section 3A.02 Materials

The following is added to this section:

Support:

- 04 The chromaticity coordinates that define the ranges of acceptable colors, including the color white, for traffic control devices are found in the Appendix to Subpart F of 23 CFR 655.

Standard:

- 05 The material used for the white color legend for the LA28 and PERMIT ONLY word pavement markings shall be retroreflective, as these pavement markings are traffic control devices under this Caltrans experimentation request specific application.

Guidance:

- 06 The materials used for LA28 and PERMIT ONLY word pavement markings should provide the white color through their temporary use period from June 1, 2028 to September 1, 2028.
- 07 Consideration should be given to selecting pavement marking materials that will minimize tripping or loss of traction for road users, including pedestrians, bicyclists, and motorcyclists.

Section 3A.03 Colors

The following is added to this section:

02c **Black color shall not be used as the legend color for the LA28 word message, when it is used on the pavement as a pavement marking, as the material used for black color is opaque and non-retroreflective.**

Option:

02d Black markings may be used in combination with the white color to enhance the contrast with a light-colored pavement.

Standard:

04a **When used, the LA28 and PERMIT ONLY word pavement markings shall be white color.**

Section 3A.05 Maintaining Minimum Pavement Marking Retroreflectivity

The following is added to this section:

Support:

09 The provisions of this Section requiring a method designed to maintain minimum pavement marking retroreflectivity do not apply to word pavement markings, which includes the LA28 and PERMIT ONLY word pavement markings (See CA MUTCD 2026 Section 3A.05, Paragraph 6).

CHAPTER 3B. PAVEMENT AND CURB MARKINGS

Section 3B.21 Word Pavement Markings

The following is added to this section:

Support:

- 12 The LA28 and PERMIT ONLY word pavement markings are used to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games. These LA28 and PERMIT ONLY word pavement markings can be helpful to road users in some locations by supplementing signs and providing additional emphasis, because the markings do not require diversion of the road user's attention from the roadway surface.

Option:

- 13 The LA28 word pavement markings may be used as determined by engineering judgment to supplement signs and/or to provide emphasis for regulatory and guide signs that have been modified by using the LA28 sign plaque or sign panel. The LA28 word pavement marking may be used alone, as a single line of information.
- 14 The PERMIT ONLY word pavement marking may be used in conjunction with the LA28 word pavement markings, as determined by engineering judgment to supplement signs and/or to provide additional emphasis for regulatory and guide signs that have been modified by using the LA28 sign plaque or sign panel.

Standard:

- 15 **The PERMIT ONLY word pavement markings shall not be used alone, it shall always be used in conjunction with the LA28 word pavement markings.**
- 16 **If used, the LA28 word pavement marking shall be in a single line.**
- 17 **If PERMIT ONLY word pavement marking is used in conjunction with the LA28 word pavement marking, it shall consist of three lines of information. Each word of the information, LA28, PERMIT and ONLY, shall constitute as a single separate line. These three lines of information shall read as LA28 PERMIT ONLY in the direction of travel, with the first word LA28, nearest to the road user (see Figure 3B-107(LA28)).**
- 18 Detailed drawings of the LA28 and PERMIT ONLY word pavement markings and alphabet details are shown in Figure 3B-108(LA28) and the "Standard Highway Signs and Markings" book. CA MUTCD 2026 Section 1A.05 contains information regarding how to obtain this publication.

Standard:

- 19 **If used, the LA28 word pavement marking shall be white legend.**
- 20 **If used, the PERMIT ONLY word pavement marking shall be white legend.**
- 21 **If used, the PERMIT ONLY word pavement marking shall not be used alone, it shall be used in conjunction with the LA28 word pavement marking.**
- 22 **The LA28 and PERMIT ONLY pavement marking letters and numerals shall be installed in accordance with the design details in the Pavement Markings chapter of the "Standard Highway Signs and Markings" book (see CA MUTCD 2026 Section 1A.05).**

Option:

- 23 The LA28 and PERMIT ONLY word pavement markings may be proportionally scaled to fit within the width of the facility upon which they are applied.

Guidance:

- 24 *If used, each of the LA28, PERMIT and ONLY word pavement marking used on freeway and arterial streets segments in the GRN, should be spaced 50 feet apart, as shown in Figure 3B-107(LA28) Part B.*
- 25 *If used, each of the LA28, PERMIT and ONLY word pavement marking used on continuous lane segments in the GRN, should be spaced 250 feet apart, as shown in Figure 3B-108(LA28) Part C.*
- 26 *When used, the LA28 and PERMIT ONLY word pavement markings letter heights should be as shown in Figure 3B-108(LA28).*

Figure 3B-107(LA28). LA28 and PERMIT ONLY Word Pavement Markings



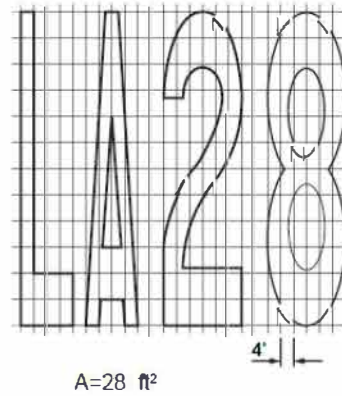
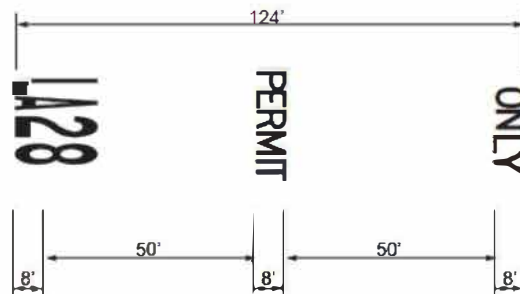
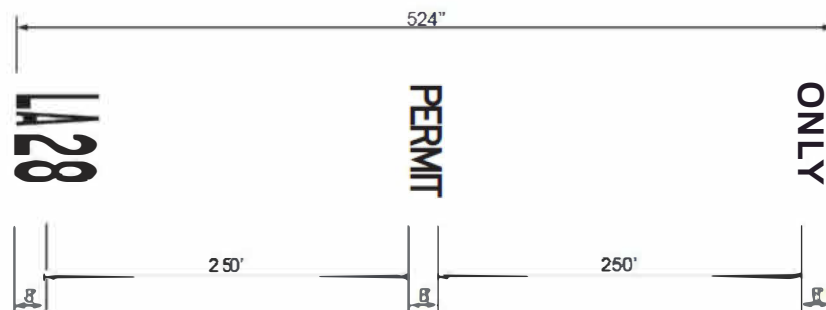
LA28 Markings



LA28 and PERMIT ONLY Markings

Legend

→ Direction of travel

Figure 3B-108(LA28). Examples of GRN Pavement Markings**A – LA28 Pavement Marking****B - LA28 PERMIT ONLY at GRN Lane Opening (Freeway) and Arterial Streets****C - LA28 PERMIT ONLY at Continuous GRN Lane**

CHAPTER 3E. PREFERENTIAL LANE MARKINGS FOR MOTOR VEHICLES

Section 3E.02 Longitudinal Markings

The following is added to this section:

Support:

- 16 Using longitudinal markings that prohibit crossing between a GRN lane and the adjacent general-purpose lane triggers use of multiple overhead signs. Using a single solid white line, which discourages but does not prohibit crossing, between a GRN lane and the adjacent general-purpose lane (see Figure 3E-3) reduces the amount of required overhead signs. Refer to Chapter 2G for sign requirements.

Section 3E.03 Preferential Lane Word and Symbol Markings

The following is added to this section:

Support:

- 15 Specific preferential lanes will be used to designate Olympic Games vehicles to travel between venues on roadways that are included in the established GRN during LA28 in locations specified by the supplement. Specific preferential lanes that are used as dedicated lane(s) for Olympic Games vehicles to travel between venues and included in the established GRN, are referred to as "GRN lane(s)" in this CA MUTCD 2026 LA28 Supplement.

Standard:

- 16 The provisions of Chapter 3E for preferential lane word and symbol markings shall apply to all roadways included in the established GRN in locations specified by Caltrans experimentation request to FHWA.
- 17 When certain types of vehicles (such as without LA28 permit) are prohibited from using a GRN lane or when a GRN lane is restricted to use by only certain types of vehicles (such as with a LA28 permit) as an operational strategy, the LA28 word pavement marking alone, or in conjunction with the PERMIT ONLY word pavement marking shall be used to identify dedicated lanes on GRN roadways to facilitate travel during LA28 games.

Option:

- 18 The LA28 and PERMIT ONLY word pavement markings may be omitted at toll plazas where physical conditions preclude the use of the markings.

Guidance:

- 19 The location for the LA28, and if used, PERMIT ONLY word pavement markings should be based on engineering judgment that considers the prevailing speed, block lengths, distance from intersections, and other factors that affect clear communication to the road user.
- 20 If used, the spacing interval shown in Figure 3B-108(LA28) should be used based on the roadway classification.
- 21 The LA28, and if used, PERMIT ONLY word pavement markings should be placed on roadways in the established GRN at strategic locations such as major decision points, departures from the GRN lane, and along access to and from adjacent general-purpose lanes.

CHAPTER 3G. DELINEATORS

Section 3G.03 Application

The following is added to this section:

Support:

22 The provisions of Chapter 3G for delineators shall apply to all roadways included in the established GRN in locations specified by Caltrans experimentation request to FHWA.

Option:

23 Delineators may be used on GRN roadways at locations where the alignment might be confusing or unexpected, to identify and separate dedicated lanes from general purpose lanes, to facilitate travel during LA28 games.

PART 4

HIGHWAY TRAFFIC SIGNALS

CHAPTER 4B. TRAFFIC CONTROL SIGNALS — GENERAL

Section 4B.01 General

The following is added to this section:

Standard:

- 03 The provisions of Part 4 regarding highway traffic signals in general, features, faces, indications, phases, location and types, shall apply to all roadways included in the established GRN in locations specified by Caltrans experimentation request to FHWA.

Support:

- 04 Any change to signal timing, signal phasing, signal coordination for coordinated mode in a progressive system for advanced signal synchronization, would be in accordance with Part 4 provisions. However, some aspects of these operational strategies deployed to coordinate and synchronize traffic signals for operational improvements, aren't traffic control device policies and although related to the traffic control devices, they constitute engineering practices and are not covered by CA MUTCD.

PART 6

TEMPORARY TRAFFIC CONTROL

CHAPTER 6A. GENERAL

Section 6A.03 TTC Devices

The following is added to this section:

Standard:

- 07 If used, the provisions for temporary traffic control devices in Part 6, shall apply to all temporary traffic control devices used on roadways included in the established GRN in locations specified by Caltrans experimentation request to FHWA.

CHAPTER 6L. OTHER TTC ZONE TRAFFIC CONTROL DEVICES

Section 6L.05 Portable Changeable Message Signs

The following is added to this section:

Standard:

- 39 If used, provisions of preferential and managed lane signs in Chapter 2G, changeable message signs in Chapter 2L and temporary traffic control in Part 6 of CA MUTCD 2026 and this LA28 Supplement shall apply to portable changeable message signs used in GRN dedicated lane(s) for Olympic Games vehicles to travel between venues that is included in the established GRN.

Support:

- 40 The information in this Section describes situations where the provisions for portable changeable message signs differ from those given in Chapter 2L.

Option:

- 41 Portable changeable message signs may be used to display GRN messages, where engineering judgment determines the need to use GRN messages on GRN roadways to facilitate travel during LA28 games.

Support:

- 42 Table 2L-102(LA28) provides examples of GRN messages for Portable CMS that can be used in GRN dedicated lane(s) for Olympic Games vehicles to travel between venues that is included in the established GRN.

Standard:

- 43 GRN messages used on portable changeable message signs shall be used only if the portable changeable message signs are located in or on approaches to GRN dedicated lane(s) for Olympic Games vehicles to travel between venues that is included in the established GRN.

- 44 Portable changeable message signs used on GRN roadways shall comply with the applicable design and application principles established in Chapter 2A.