



U.S. Coast Guard Station

Base Overview

The Coast Guard is charged with maritime safety, security, and environmental stewardship in U.S. ports and inland waterways, along the coasts and on the high seas. It faces many emerging challenges such as drug interdiction, human trafficking, undocumented migrant control, fisheries monitoring, oil spill prevention, and maritime traffic control.

Although the Coast Guard is one of the five armed forces of the United States, it is not part of the Department of Defense, but rather under the Department of Homeland Security. The Coast Guard is the only U.S. Armed Force, by law and policy, authorized to conduct law enforcement operations.¹ Locally, their operations focus on preventing and responding to enduring and emerging threats across the vast Pacific Region. The service employs roughly 800 personnel in the San Diego region, including active duty, civilians, and armed forces reserves.²

The U.S. Coast Guard Station in the City of San Diego is located along the San Diego Bay, adjacent to Harbor Drive and the San Diego International Airport. The facility is adjacent to the Centre City (Downtown) community, the Port of San Diego and San Diego Airport Authority jurisdictions (**Figure 1**).

Existing Connectivity

Freeway / Roadway Network

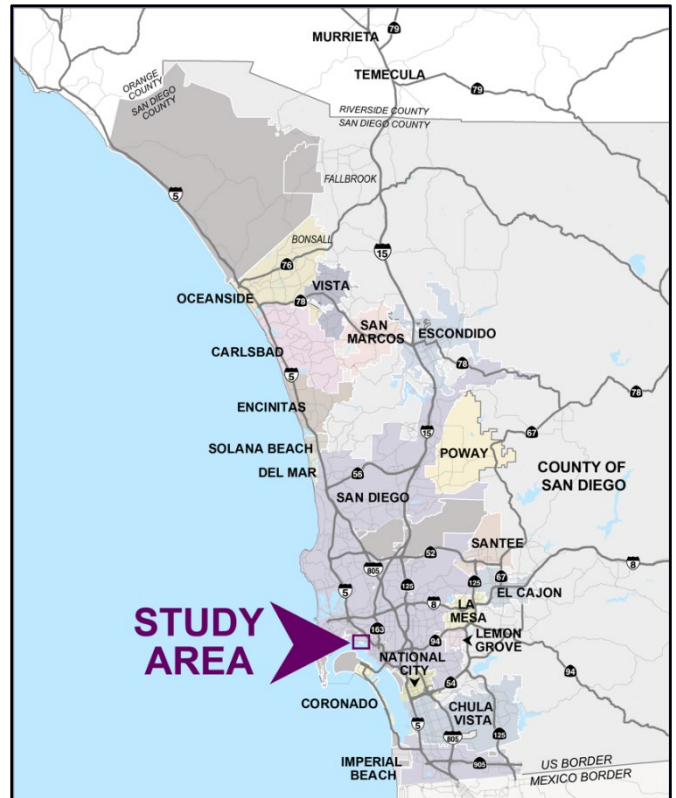
Interstate 5 (I-5) is a major north-south corridor and Interstate 8 (I-8) is a major east-west corridor for driving, carpooling, vanpooling and using transit to access the U.S. Coast Guard Station (**Figure 2**). There are several Park & Ride lots along I-5 and I-8 where commuters can meet to carpool, vanpool, or access transit services (**Appendix A**).

I-5 and I-8 do not provide direct access to the facility; however, these corridors connect to major roads that provide access such as Pacific Highway, Laurel Street, and Harbor Drive.

Transit

The Green Line Trolley stops at Middletown Trolley Station, which is approximately one mile away from the U.S. Coast Guard Station (**Figure 2**). MTS Routes 923 and 992 also provide access to the U.S. Coast Guard Station via stops along North Harbor Drive. These routes connect areas of the City of San Diego such as Point Loma, Downtown San Diego, and the San Diego International Airport to the U.S. Coast Guard Station.

Figure 1. U.S. Coast Guard Station San Diego location in the region





Active Transportation

There is a Class I, multi-use bike path along the south side of North Harbor Drive that pedestrians and cyclists can use to access the U.S. Coast Guard Station in either direction. North Harbor Drive also has bike lanes along portions of the south side of the street for people biking eastbound. This major access road to the San Diego International Airport has a posted speed limit of 45 mph and experiences significant vehicular traffic. Connecting streets from the Uptown and Downtown communities to the east, and from Point Loma to the west, have a mixture of Class II (bike lanes) and Class III (sharrows) bike facilities. There are no westbound bike facilities on the portions of Laurel Street and North Harbor Drive which connect to the U.S. Coast Guard Station.

Mobility Programs

SANDAG's transportation demand management program, iCommute, works closely with the U.S. Coast Guard to encourage alternative commute options. These commute options include carpool, vanpool, bike, transit, telework and shared mobility. The SANDAG Vanpool Program subsidy and the Transportation Benefit Program allows vanpool and transit users to commute for little to no cost; iCommute continues to encourage more federal employees to take advantage of these programs. iCommute tools link carpool partnerships, and most recently, have started promoting Waze Carpool as an additional on-demand mobility option.

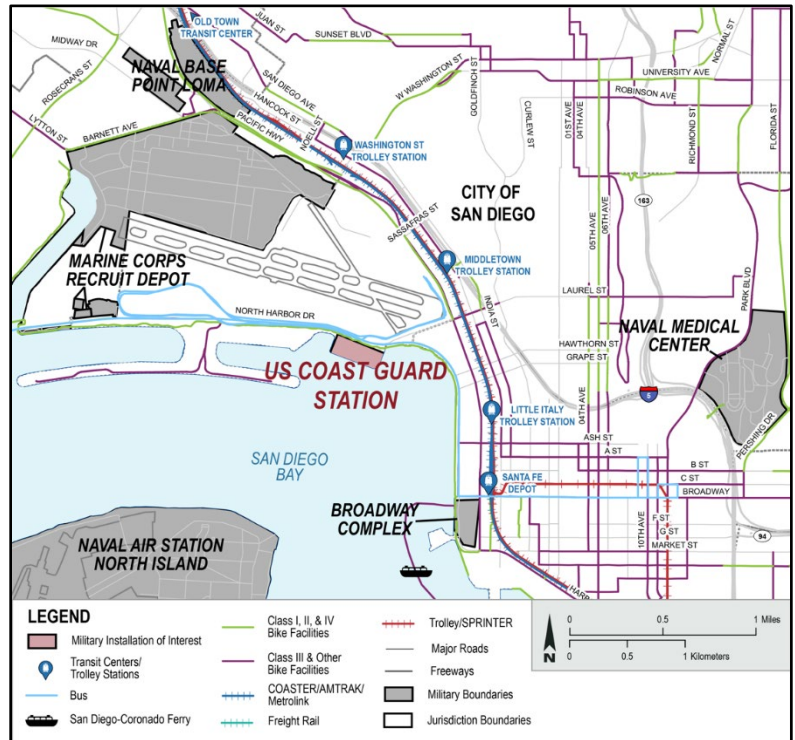
There are currently no bikeshare or scootershare program partnerships with the U.S. Coast Guard Station; however, several of these micromobility services are present in the City of San Diego communities adjacent to the U.S. Coast Guard Station. The facility is also participating in the Waze Carpool Pilot and allows Transportation Network Companies (TNCs) like Uber and Lyft to serve riders on base.

Circuit, formerly known as Free Ride Everywhere Downtown (FRED), provides a fleet of NEVs to facilitate connections within the Downtown parking district. The service boundary includes North Harbor Drive adjacent to the U.S. Coast Guard Station and extends into Downtown San Diego, providing connections to destinations in Downtown, East Village, and Little Italy.

The U.S. Coast Guard Station has limited on-site parking. Coast Guard leadership promotes alternative modes of transportation such as carpooling, telecommuting, and biking in order to reduce parking demand. The active use of these modes is further incentivized by the Coast Guard's partnership with the SANDAG iCommute program.

A mobility report card identifying programs and complementing infrastructure projects that support access to the U.S. Coast Guard Station has been developed (**Appendix B**). Some programs have policy restrictions or contractual agreements to allow services in a military installation or City; those programs are outlined under the respective jurisdictions in the mobility report card.

Figure 2. U.S. Coast Guard Station existing connectivity





Military Personnel Commuting Patterns

While the Coast Guard's 800 active duty personnel and their roughly 2,000 dependents represent a relatively small presence in comparison to nearby facilities like Naval Base San Diego and Naval Base Point Loma, the facility is expected to double its workforce over the next 20 years.²

Due to a lack of on-base housing, Coast Guard personnel commute from military housing communities throughout the region including Temecula, Alpine, and Chula Vista. Military personnel mostly commute from City of San Diego communities (**Table 1**). Junior personnel are more commonly housed in the closer communities of Point Loma and Pacific Beach. In 2017, 85% of Coast Guard personnel commuted by driving alone to work (**Figure 3**).³ In order to reduce parking demand, Coast Guard leadership is working closely with iCommute to promote alternative commutes for personnel. These efforts are evident by iCommute representation at all-hands-on-deck meetings, telework friendly agreements, and a growing carpool program.⁴

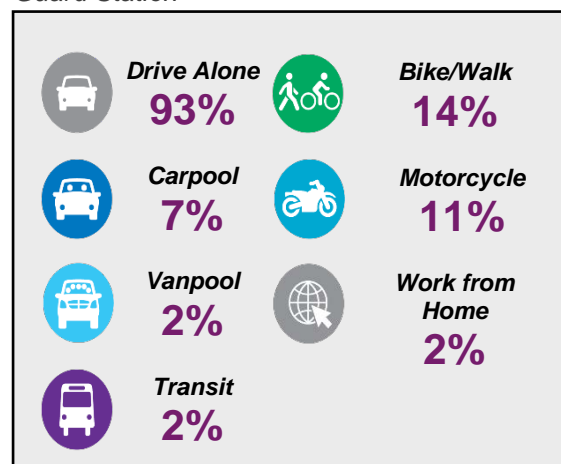
Table 1. Commute origin of U.S. Coast Guard Station

Commute Origin	Percent of Commuters
City of San Diego	56%
South San Diego County	15%
East San Diego County	13%
North San Diego County	6%
Riverside County	6%
Other	2%
Total Responses	142

Source: iCommute Survey Results, January 2017

Notes: *Other includes other California Counties with less than 1%, out of state, and international zip codes.

Figure 3. Commute mode to U.S. Coast Guard Station



Source: iCommute Survey Results, January 2017



Gate Access

The U.S. Coast Guard Station has one access gate located on the north side of the base along Harbor Drive (Figure 4). The gate has one inbound and one outbound lane to provide access for vehicles, pedestrians, and people biking. There are no transit services that enter this gate, however, MTS routes 992 and 923 stop outside the gate along Harbor Drive.

Upon entering the gate, military personnel and visitors can directly access several parking lots, training facilities, offices, a flight platform, and a pier. When exiting the gate, people enter the City of San Diego where there are residential and existing / planned smart growth opportunity areas.

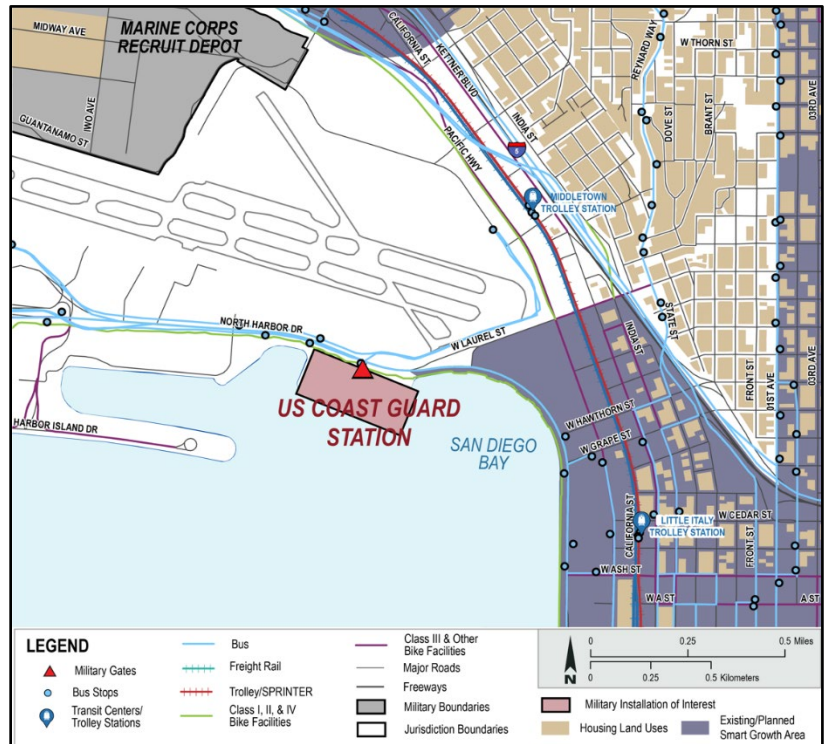
The gate experiences congestion in the peak morning commute hours along Harbor Drive and Laurel Street (Appendix C). During afternoon peak commute hours, there is congestion leaving the facility that queues along Harbor Drive. There is also heavy congestion on the southbound lanes of I-5.

Goods Movement

I-5, Harbor Drive, and Pacific Highway serve as major freight and goods movement corridors for the U.S. Coast Guard Station and the region. Goods transported to and from the U.S. Coast Guard Station use these corridors.

Due to the high traffic volumes, I-5, Pacific Highway, Harbor Drive, and additional surrounding roads such as Laurel Street experience significant traffic congestion and several intersections operate at a low level of service, especially during peak periods. This congestion delays commuter access to the U.S. Coast Guard Station and slows trucks trying to access I-5 and the San Diego International Airport.

Figure 4. U.S. Coast Guard Station gate vicinity map





Summary of Challenges for U.S. Coast Guard

Traffic and Regional Connectivity

- Congestion along Harbor Drive associated with the San Diego International Airport and its planned expansion affects access to U.S. Coast Guard Station and delays freight movement through the corridor
- Noise and air quality due to traffic volume along Harbor Drive
- Roadway capacity at specific locations during peak commute periods

Mobility

- Significant gaps in the bicycle network connecting to the facility
- Poor bike and pedestrian environment along major access roads
- Limited parking on base
- Limited on-street parking

Other

- Lack of on-base housing
- Lack of easily accessible and nearby housing
- Limited resources (space, parking, commute options) to accommodate existing and future growth
- Limited ROW for improvements
- Multiple stakeholders and agencies share the Harbor Drive corridor and have invested interests for the proposed and planned projects



Relevant Programs and Projects for U.S. Coast Guard

Existing Planned Projects & Programs Relevant to United States Coast Guard Station					
Facility	Project Extents	Improvement Type	Subcategory	Project Improvement	Source
Nimitz Bridge	Along Nimitz Bridge	Active	Pedestrian	New ADA ramps, new light poles on the bridge, remove existing chain link gates, rehabilitate guardrails	City of San Diego Capital Improvement Program (CIP GIS Shapefile) (2017)
Harbor Drive	Harbor Dr (Downtown to Ocean Beach)	Active	Bicycle	Bicycle Facilities	SANDAG Regional Plan (2015)
Nimitz Blvd, Mission Bay Dr, Quivira Rd	Ocean Beach to Mission Bay	Active	Bicycle	Bicycle Facilities	SANDAG Regional Plan (2015)
Pacific Highway	Pac Hwy (Laurel St to Santa Fe Depot)	Active	Bicycle	Coastal Rail Trail San Diego	SANDAG Regional Plan (2015)
Pacific Highway	Pac Hwy (W Washington St to Laurel St)	Active	Bicycle	Coastal Rail Trail San Diego	SANDAG Regional Plan (2015)
I-5	I-15 to I-8	Freeway	Lanes	Add Operational Lanes to 8 Freeway Lanes	SANDAG Regional Plan (2015)
Route 510	Mira Mesa to Border	Transit	Trolley	Blue Line Rail Grade Separation	SANDAG Regional Plan (2015)
Route 530	Green Line	Transit	Trolley	Green Line Frequency Enhancements	SANDAG Regional Plan (2015)
Route 398	Oceanside Transit Center to Downtown San Diego	Transit	Coaster	Double tracking (20-minute peak frequencies and 120-minute off-peak frequencies)	SANDAG Regional Plan (2015)
Route 398	Oceanside Transit Center to Downtown San Diego	Transit	Coaster	Double tracking (20-minute off-peak frequencies, grade separations at Leucadia Blvd, stations/platforms at Convention Center/ Gaslamp Quarter and Del Mar Fairgrounds, and extension to Camp Pendleton)	SANDAG Regional Plan (2015)

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Existing Planned Projects & Programs Relevant to United States Coast Guard Station					
Facility	Project Extents	Improvement Type	Subcategory	Project Improvement	Source
Route 398	Oceanside Transit Center to Downtown San Diego	Transit	Coaster	Double tracking (completes double tracking; includes Del Mar Tunnel) plus 2 grade separations)	SANDAG Regional Plan (2015)
Route 510	Palomar St to 12th & Imperial	Transit	Trolley	Phase I - Blue Line Frequency Enhancements and rail grade separations at 28th St, 32nd St, E St, H St, Palomar St, and Blue/Orange Track Connection at 12th/Imperial	SANDAG Regional Plan (2015)
Route 28	Point Loma to Kearny Mesa via Old Town, Linda Vista	Transit	<i>Rapid</i>	Connection from Point Loma to Kearny Mesa via Old Town, Linda Vista	SANDAG Regional Plan (2015)
Routes 640A/640B	San Ysidro to Palomar	Transit	<i>Rapid</i>	Route 640A: I-5 - San Ysidro to Old Town Transit Center via City College; 640B: I-5 Iris Trolley/Palomar to Kearny Mesa via Chula Vista, National City and City College	SANDAG Regional Plan (2015)
Route 510	Taylor St & Ash St	Transit	Trolley	Phase II - Blue Line rail grade separations at Taylor St and Ash St	SANDAG Regional Plan (2015)
Route 510	University City to Downtown San Diego	Transit	Trolley	Blue line extension to University City providing public transportation in coastal San Diego County. Increased frequencies and front door access to Naval Base San Diego at 32nd St	SANDAG Regional Plan (2015)
Route 561	UTC to COASTER Connection	Transit	Trolley	UTC COASTER Connection (extension of Route 510)	SANDAG Regional Plan (2015)
Route 540	UTC to San Ysidro via downtown	Transit	Trolley	Blue Line Express – UTC to San Ysidro via downtown	SANDAG Regional Plan (2015)

C= Conventional Highway
F= Freeway

ML = Managed Lanes
T = Toll Road

R = Reversible Lanes
OPS = Operational Improvements



References

- ¹ United States Coast Guard Pacific Area Strategic Intent (FY 2015-2019) <https://www.pacificarea.uscg.mil>
- ² Interview with Coast Guard Leadership CDR Michael Frawly 2/2/18
- ³ iCommute Survey with Coast Guard (2017)
- ⁴ Interview with Coast Guard Leadership CDR Michael Frawly 2/2/18

Appendices

- Appendix A.** iCommute Park & Ride Map
- Appendix B.** Coast Guard Mobility Report Card
- Appendix C.** Google Traffic Maps



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Appendix A. iCommute Park & Ride Map

southern riverside

Riverside County Park & Ride lots are maintained by the Riverside County Transportation Commission (RCTC), unless otherwise noted. For more information visit IE511.org

(Full San Diego region Park & Ride map on reverse)

LOCATION	TRANSIT	PARKING SPACES
TEMECULA		
A United Methodist Church 42690 Margarita Rd		71
B Orchard Christian Fellowship 42101 Moraga Rd		105
C Rancho Community Church**** 31300 Rancho Community Way		100
D Winchester* 41327 Winchester Rd		87
E Promenade Mall** 40820 Winchester Rd	•	75
SAN JACINTO		
F Mt. San Jacinto College*** 1499 N State St	•	27
PERRIS		
G Downtown Perris Station C St and 4th St	•	24
H South Perris Station 1304 Case Road		74
MENIFEE		
I The View Church 27755 Bradley Rd	•	38
LAKE ELSINORE		
J Grand 15887 Grand Ave		79
K Dexter* 18600 Dexter Ave		50
L Outlet Center 17600 Collier Ave	•	186
M Shepherd of Life 30400 Grand Ave		50
MURRIETA		
N Promise Lutheran Church 25664 Madison Ave		46

* Not an RCTC lot.
 ** Not an RCTC lot; permit required. Call (951) 296-1121.
 *** Permit required. Call (951) 787-7141.
 **** Not an RCTC lot. No overnight parking.

vanpool



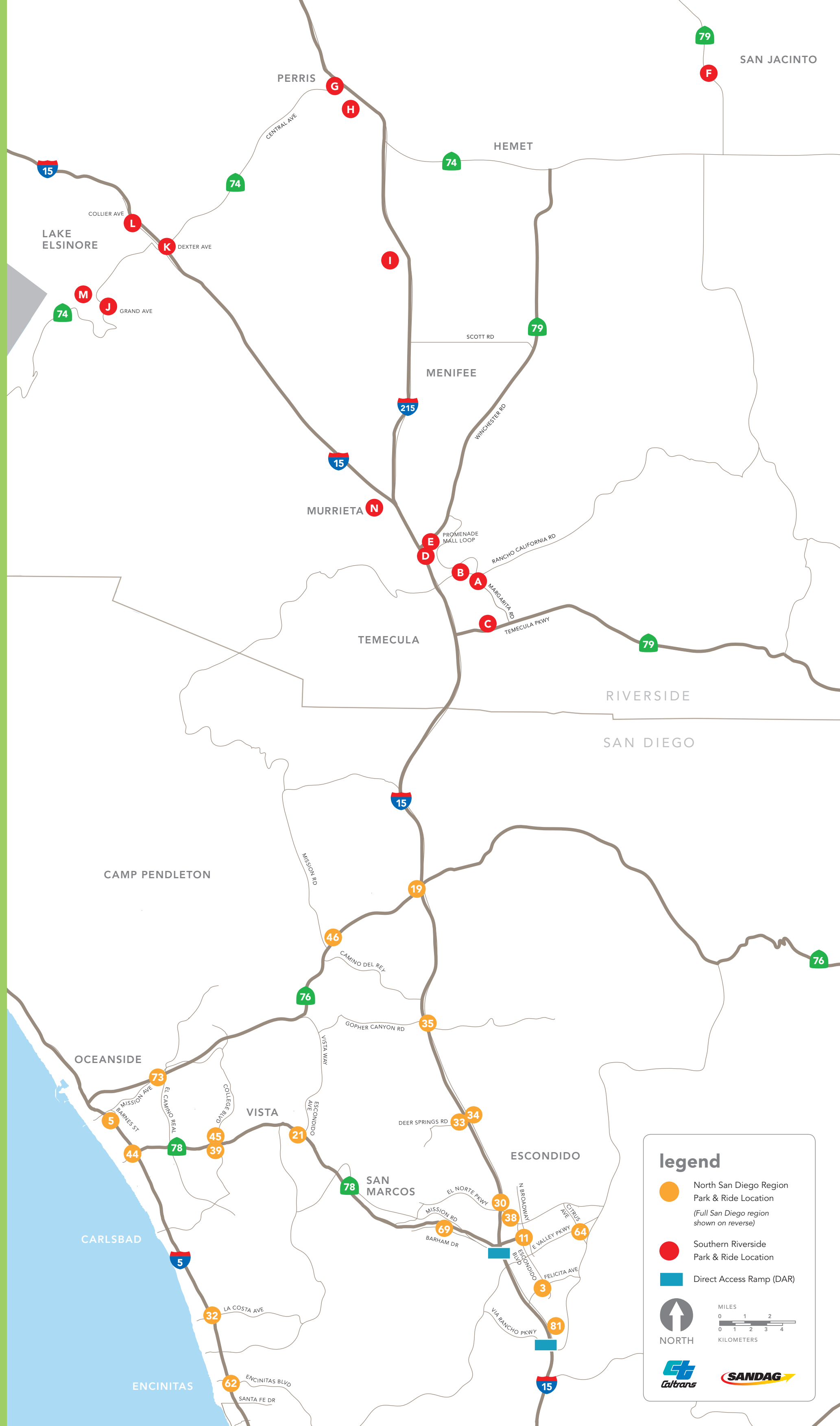
A vanpool brings five or more people together to share the costs of getting to work in a van or SUV. It's like a carpool, only bigger! Vanpool participants generally pay less than \$100 per month to get to work, and multiple vehicle options are available. Visit RedesignYourCommute.com to learn more.



guaranteed ride home



With Guaranteed Ride Home (GRH), commuters who carpool, vanpool, take transit, walk, or bike to work in San Diego County have a built-in safety net. In case of emergency or unscheduled overtime, the GRH program will get you home for free. To find out more, visit 511sd.com/iCommute.



park and go

Park & Ride

Park & Ride lots are free, conveniently located throughout the region, and offer a great place to meet carpool or vanpool partners. This map provides a locator tool for approximately 90 Park & Ride lots in the San Diego region and in southern Riverside County. The map also has information about each lot's features, including the number of parking spaces, bike lockers, and transit connections. Leave your solo commute behind and find an alternative way to get to work and to many other destinations around San Diego County.

iCommute

More information about Park & Ride lots is available through the San Diego Association of Governments (SANDAG) iCommute program. iCommute assists commuters by providing carpool and ridematching services, a subsidized vanpool program, transit solutions, the Guaranteed Ride Home program, regional support for biking, and bike and pedestrian safety program support for schools. Visit 511sd.com/iCommute or call 511 and say "iCommute" for more information.

511

511 is a free phone and web service that consolidates the San Diego region's transportation information into a one-stop resource. 511 provides current information on: traffic conditions, incidents, and driving times; schedule, route, and fare information for San Diego public transportation services; commuter services; and biking information. The 511 service is available 24 hours a day, seven days a week at 511sd.com, by calling 511, or by downloading the 511 San Diego mobile app, available for iOS and Android.



Last modified: May 2016

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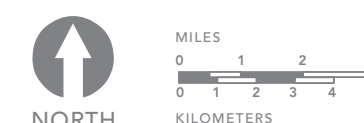


my favorite morning meeting

san diego regional park & ride map

legend

- North San Diego Region Park & Ride Location (Full San Diego region shown on reverse)
- Southern Riverside Park & Ride Location
- Direct Access Ramp (DAR)



san diego region park & ride lots

CALTRANS LOT #	TRANSIT BIKE PARKING PARKING SPACES
1	45
2	30
3	30
4	102
5	43
6	176
7	50
8	43
9	135
10	45
11	85
12	23
16	103
17	25
19	163
20	84
21	15
22	65
24	53
25	60
26	125
28	10
29	25
30	41
32	115
33	28
34	41
35	11
37	63
38	111
39	50
40	22
41	106
42	18
43	26
44	130
45	32
46	50
47	56
48	34
50	23
51	58
53	88
57	132
59	29
60	20
61	17
62	27
63	35
64	20
65	15
69	89
70	36
71	10
72	22
73	50
75	20
76	50
77	102
78	15
80	235
81	76

*Park & Ride parking Monday-Friday, 5:30 a.m. - 6 p.m. only
 **Park & Ride parking Monday-Friday only



legend

- San Diego Park & Ride Location
- Direct Access Ramp (DAR)

MILES
0 1 2 3 4

KILOMETERS
0 1 2 3 4

NORTH

iCommute



park & ride map

Information on this map is accurate as of May 2016. HPark & Ride lot locations and amenities change periodically. Visit Caltrans at dot.ca.gov/dist11 to find the most up-to-date Park & Ride lot information.



transit



Taking public transportation helps you beat traffic, save money on gas, and ease the stress of your daily commute. Park at a transit station or Park & Ride lot and get on board the bus, Rapid, Trolley, COASTER, or SPRINTER. Your transit ride is even easier with Compass Card — the smart card for transit passes. Get your Compass Card at Albertsons and select Vons stores in San Diego County or visit 511sd.com/compass for more information.



secure bike parking



GO by BIKE to close the gaps in your commute. Secure bike parking facilities are available throughout the region to make your trip a little easier. They keep your bike safe while you take transit or share a ride to work. To find out which Park & Ride lots have bike parking, check the list on this map. There is no fee to use bike parking facilities — just a small, refundable deposit. To sign up for bike parking or get more information on bike commuting, visit 511sd.com/iCommute.



TripPlanner



Find the best way to get where you need to go by comparing multiple transportation choices in one place. Just enter your starting point and destination in TripPlanner and click "Let's Go!" It's that easy. Trip Planner compares carpool, vanpool, transit, walk, and bike options, while calculating time, cost, calories burned, and emissions estimates.





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Appendix B.

Coast Guard Mobility Report Card

**Mobility Report Card
U.S. Coast Guard Station**

Mobility Options		Supportive Programs/Infrastructure		Related Infrastructure Project Types	
		On Base	City of San Diego		
	Walking/Biking	<ul style="list-style-type: none"> • Walkable 	<ul style="list-style-type: none"> • Class I multiuse path on North Harbor Dr. • No westbound bike facilities on Laurel Street or North Harbor Dr. • Mix of Class II and Class III bike facility networks in Uptown/Downtown communities 	 	Active Transportation Local Roads
	Public Transit	<ul style="list-style-type: none"> • No transit services on base 	<ul style="list-style-type: none"> • MTS Route 923 and 992 		Transit Infrastructure
	Microtransit	<ul style="list-style-type: none"> • No current services 	<ul style="list-style-type: none"> • No current services 		Local Roads
	Carpool & Vanpool	<ul style="list-style-type: none"> • Vanpool subsidy with TIPS • SANDAG iCommute Vanpool Program 	<ul style="list-style-type: none"> • No existing High Occupancy Vehicle lanes on I-5 and I-8 	 	Freeway Network Parking
	Carshare	<ul style="list-style-type: none"> • No current programs 	<ul style="list-style-type: none"> • Zipcar 		Parking
	On-Demand Rideshare	<ul style="list-style-type: none"> • Waze Carpool Pilot • Uber, Lyft 	<ul style="list-style-type: none"> • Waze Carpool • Uber, Lyft 	 	Local Roads Curbside Designation
	Bikeshare	<ul style="list-style-type: none"> • No current programs 	<ul style="list-style-type: none"> • Lime, Discover Bike 	 	Active Transportation Local Roads
	Electric Bike & Scootershare	<ul style="list-style-type: none"> • No current programs 	<ul style="list-style-type: none"> • Electric bike: Lime, JUMP • Electric scooter: Lime, Bird, Razor, Wheels, Wind 	 	Active Transportation Local Roads
	Neighborhood Electric Vehicle (NEV)	<ul style="list-style-type: none"> • No current programs 	<ul style="list-style-type: none"> • Circuit, formerly known as FRED 	 	Active Transportation Local Roads
	Other	<ul style="list-style-type: none"> • Limited parking on base 	<ul style="list-style-type: none"> • Limited street parking close to base • Smart Growth Opportunity Areas: Midway - Pacific Highway and San Diego Peninsula in Point Loma 	 	Parking Transit Infrastructure



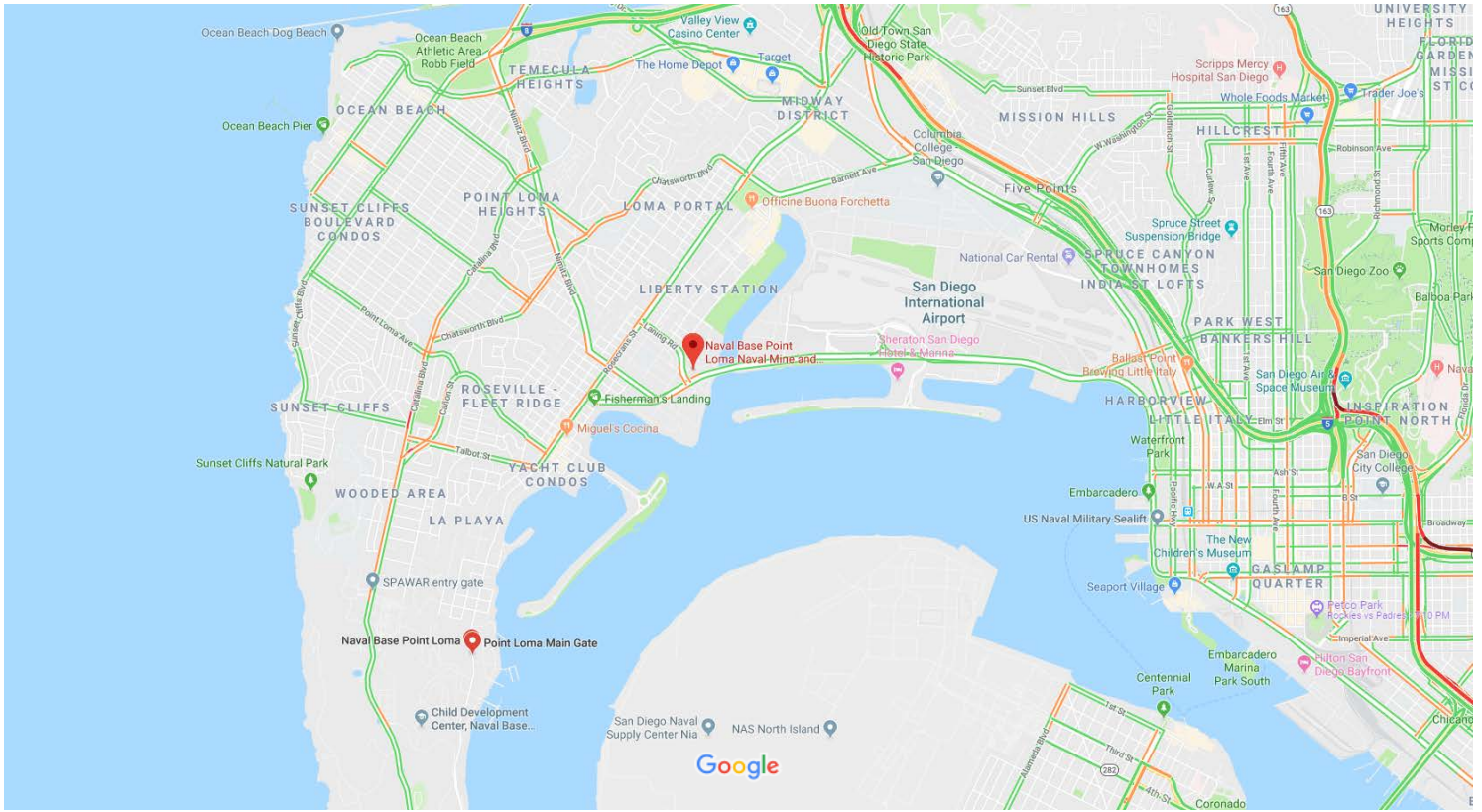
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Appendix C. Google Traffic Maps



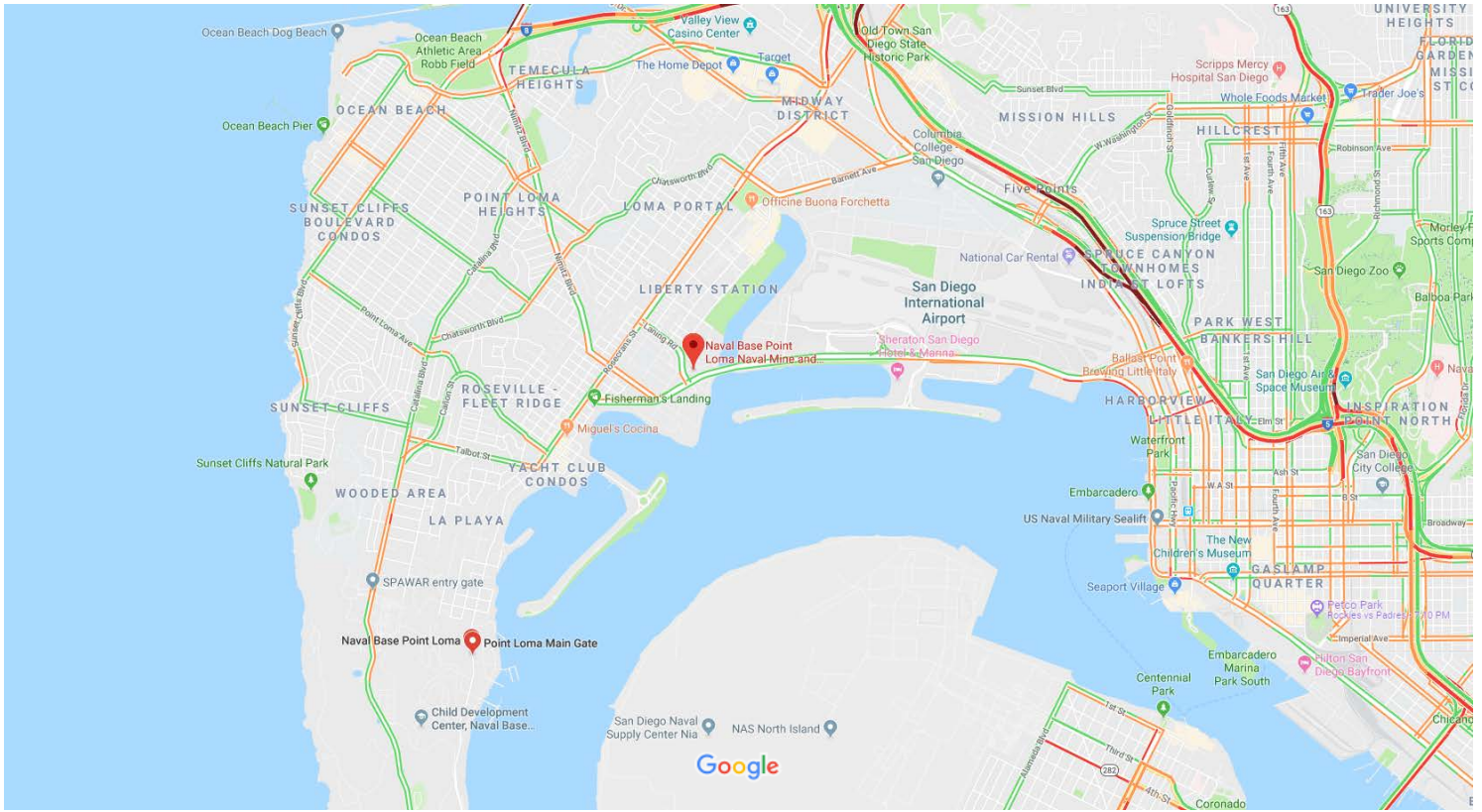
Typical traffic

Fast █ █ █ █ Slow

S M **T** W T F S

Tuesday, 7:35 AM

8 AM 12 PM 4 PM 8 PM



Map data ©2018 Google 2000 ft

Typical traffic

Fast █ █ █ █ Slow

S M T **W** T F S

Wednesday, 4:10 PM

8 AM 12 PM 4 PM 8 PM