

Attachment C

LOCAL SIGNAL SYNCHRONIZATION PLAN CONSISTENCY REVIEW CHECKLIST

The Local Agency Name: City of Newport Beach

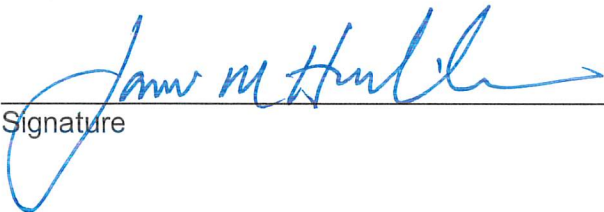
Date: 05/21/2026

Local agencies must submit a copy of the updated Local Signal Synchronization Plan, a completed checklist, and any supporting documentation. Complete the table below.

Complete the table below:

Local Agency Statement	Page #s in LSSP	Provided or N/A
1. Signal synchronization goals of the agency are consistent with those outlined as part of the Regional Traffic Signal Synchronization Master Plan.	4-5	Provided
2. Traffic signal synchronization street routes are identified, including all corridors along the regional signal synchronization network located within the local agency.	7	Provided
3. Traffic signal inventory for all traffic signal synchronization street routes. (Note: Updates are also reflected in the online GIS-based signal inventory.)	9-12	Provided
4. Three-year plan separately showing costs, available funding, and phasing for capital, operations, and maintenance of signal synchronization along the traffic signal synchronization street routes and traffic signals for constrained, unconstrained and build-out scenarios.	14-16	Provided
5. Signal synchronization review, revision, and assessment of synchronization activities along the traffic signal synchronization street routes and traffic signals.	18-20	Provided

I certify that the above statements are true to the best of my knowledge.


5/21/2026

 Signature Date

James Houlihan, Deputy Public Works Director/City Engineer
 Printed Name, Title

LOCAL SIGNAL SYNCHRONIZATION PLAN

SECTION ONE
TRAFFIC SIGNAL SYNCHRONIZATION GOALS

Background

Continued growth in Orange County and the City of Newport Beach creates increasing demands on regional and local roadways. With this demand comes increased travel time delays, which adversely affects the community. Roadways also have modern needs to suit the community, such as future development, landscaping, and signing/striping considerations of other roadway users. These users include, but not limited to, pedestrians, both conventional and, more recently, electric bikes and scooters. As the past practice of continually widening roadways is no longer sustainable, other efficiency-inducing alternatives, such as traffic signal synchronization are required.

Strategies

To achieve the City of Newport Beach's goal of reducing impacts from the movement of people and goods, while balancing the needs of the community and promoting other modes of travel, the City looks to increasing the efficiency of the roadway system through key improvements and traffic signal synchronization.

Traffic Signal Modernization Project

The City of Newport Beach has completed a multi-year, eight-phase Traffic Signal Modernization Project. This project included the creation of a fiber optic communication network, construction of a working Traffic Management Center (TMC) at the Civic Center, updates to nearly 125 City-operated traffic signals and 80 Closed Circuit Television Cameras (CCTV), integrating centralized control of signals and CCTVs via the TMC, and training staff to operate the advanced traffic signal system.

Traffic Signal Operations and Maintenance

The City actively operates and maintains the traffic signals by use of City Traffic Engineering Staff, contract maintenance services, and consultant services for project design and traffic signal timing. Traffic signal rehabilitation is accomplished through the City's annual Capital Improvement Program.

Traffic Signal Timing

Through the Traffic Signal Modernization Project, traffic signal timing, including corridor coordination, was reviewed and updated. Examination of traffic signal timing along arterial corridors is planned on a three-year cycle. During the review, the traffic signal timing will be checked for compliance with the latest adopted standards and updated if necessary. Regional corridors and shared intersections will include coordination with other agency stakeholders to ensure positive traffic flow across jurisdictional boundaries. Traffic signal timing will be monitored through bi-annual travel time studies and fine-tuned as necessary.

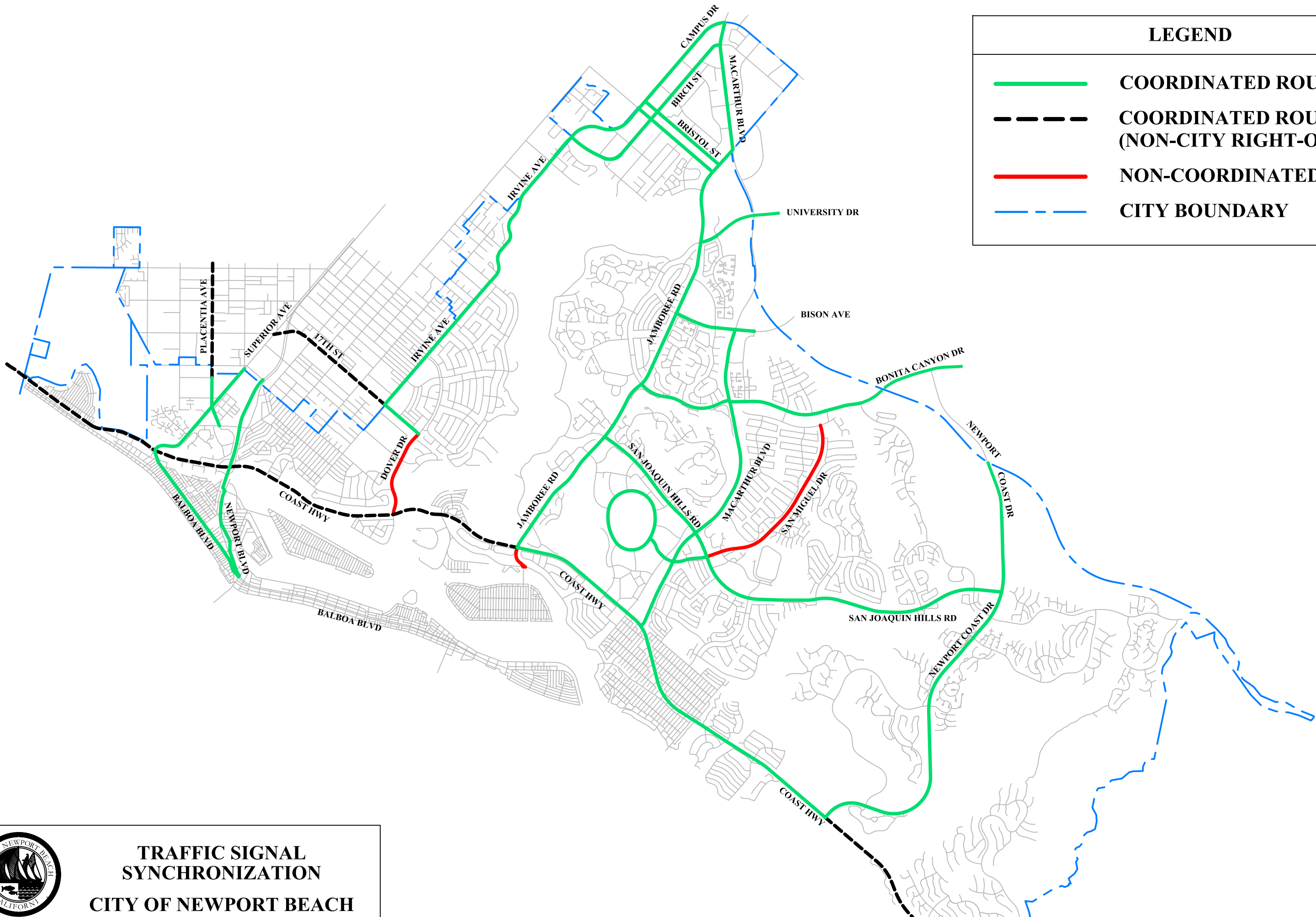
Funding

Funding for the past Traffic Signal Modernization Project has been a combination of local and Measure M1/M2 grant funding. The annual Traffic Signal Rehabilitation Projects and ongoing maintenance and operation of the traffic signal system are funded through local sources.

Conclusion

Traffic signal synchronization is a key tool for improving the efficiency of the roadway system in Newport Beach. The City is committed to ongoing efforts to improve traffic signal timing and coordination.

SECTION TWO
TRAFFIC SIGNAL SYNCHRONIZATION STREET ROUTES



LEGEND	
	COORDINATED ROUTE
	COORDINATED ROUTE (NON-CITY RIGHT-OF-WAY)
	NON-COORDINATED ROUTE
	CITY BOUNDARY



**TRAFFIC SIGNAL
SYNCHRONIZATION
CITY OF NEWPORT BEACH**



SECTION THREE
TRAFFIC SIGNAL INVENTORY

Traffic Synchronization Inventory
City of Newport Beach

Corridor	Cross Street Intersection	Cycle Length				Maintenance Responsibility	Equipment										
		AM	MID	PM	WKND		Cabinet	Type	Software	Detection	Bike Detection	CCTV	Power Backup	Comm	Other ITS	ATMS	Status
Avocado Avenue	Corona Del Mar Plaza	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Fiber		Centracs	Online
	Civic Center Drive	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Video	Yes	Cohu	BBS	Fiber		Centracs	Online
	San Miguel Road	160	140	180	140	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
Balboa Boulevard	Main Street	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	N/A	Fiber		Centracs	Online
	Palm Street	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	N/A	Fiber	Bluetoad	Centracs	Online
	15th Street	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
	21st Street	90	110	110	120	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
	22nd Street-23rd Street	90	110	110	120	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Axis	BBS	Fiber		Centracs	Online
	32nd Street	Free	Free	Free	Free	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	River Avenue	Free	Free	Free	Free	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
Bayside Drive	Marine Avenue	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Pedestrian Crossing	Free	Free	Free	Free	Newport Beach	M	Cobalt	ASC/3	Loops	Yes	N/A	N/A	Cellular		Centracs	Online
Bayview Place	Bristol Street South	80	70	80	60	Newport Beach	Other	Cobalt	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Bayview Circle	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	N/A	N/A	Wireless		Centracs	Online
Birch Street-Mesa Drive	Acacia Street	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Fiber		Centracs	Online
Birch Street	Orchard Drive	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Wireless		Centracs	Online
	Bristol Street South	80	70	80	60	Newport Beach	Other	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Bristol Street North	80	70	80	60	Newport Beach	Other	Cobalt	ASC/3	Video	Yes	Cohu	BBS	Fiber		Centracs	Online
	Quail Street	65	60	65	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Copper		Centracs	Online
	Dove Street	65	60	65	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	N/A	N/A	Copper		Centracs	Online
	Von Karman Avenue	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Copper		Centracs	Online
Bison Avenue	Country Club Drive	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Fiber		Centracs	Online
	Camelback Street	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Bayswater	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Copper		Centracs	Online
	73 Freeway SB Ramps	Free	Free	Free	Free	Caltrans		170/170E									
Bonita Canyon Drive	Mesa View Drive	130	120	120	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Prairie Road	130	120	120	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Chambord	130	120	120	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	73 Freeway SB Ramps	Free	Free	Free	Free	Caltrans		170/170E									
Campus Drive	Bristol Street North	80	70	80	60	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Quail Street	65	60	65	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Fiber		Centracs	Online
	Dove Street	65	60	65	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Airport Entrance	65	60	65	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Fiber		Centracs	Online
	Martin Avenue	120	100	120	100	Irvine		2070									
	Von Karman Avenue	100	100	100	100	Irvine		2070									
	Teller Avenue	75	60	75	60	Irvine		2070									
Coast Highway	Orange Street	120	100	120	100	Caltrans		2070									
	Prospect Street	120	100	120	100	Caltrans		2070									
	Superior Avenue	120	100	120	100	Caltrans		2070									
	Hoag Drive	120	100	120	100	Caltrans		2070									
	Newport Blvd SB Ramp	120	100	120	100	Caltrans		2070									
	Riverside Avenue	120	100	120	100	Caltrans		2070									

Traffic Synchronization Inventory
City of Newport Beach

Corridor	Cross Street Intersection	Cycle Length				Maintenance Responsibility	Equipment										Status
		AM	MID	PM	WKND		Cabinet	Type	Software	Detection	Bike Detection	CCTV	Power Backup	Comm	Other ITS	ATMS	
	Tustin Avenue	120	100	120	100	Caltrans		2070									
	Balboa Bay Club	120	100	120	100	Caltrans		2070									
	Dover Drive	120	100	120	100	Caltrans		2070									
	Bayside Drive	120	100	120	100	Caltrans		2070									
	Promontory Drive	120	100	120	100	Caltrans		2070									
	Jamboree Road	150	140	160	140	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
	Irvine Terrace	150	140	160	140	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
	Newport Center Drive	75	140	160	140	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Avocado Avenue	150	140	160	140	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber	Bluetoad	Centracs	Online
	MacArthur Blvd	150	140	160	140	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
	Goldenrod Avenue	150	140	160	140	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Iris Avenue	150	140	160	140	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Marguerite Avenue	150	140	160	140	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
	Poppy Avenue	150	140	160	140	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	Axis	BBS	Fiber		Centracs	Online
	Morning Canyon Road	150	140	160	140	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Cameo Shores/Highland	150	140	160	140	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Pelican Pointe Drive	150	140	160	140	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Newport Coast Drive	150	140	160	140	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
	Los Trancos	120	80	120	100	Caltrans		2070									
	Crystal Heights Drive	120	80	120	100	Caltrans		2070									
	Reef Point Drive	120	80	120	100	Caltrans		2070									
Dover Drive	Cliff Drive	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	16th Street/Castaways Lane	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Westcliff Drive	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
Ford Road	Southern Hills Drive	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	N/A	BBS	Copper		Centracs	Online
Irvine Avenue	Westcliff Drive	105	110	115	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Mariners School	105	110	115	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Dover Drive	105	110	115	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Highland Drive	105	110	115	Free	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Santiago Drive	105	110	115	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Axis	BBS	Fiber		Centracs	Online
	Santa Isabel Avenue	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	Cohu	N/A	Fiber		Centracs	Online
	University Drive	105	110	115	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Mesa Drive	105	110	115	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Orchard Drive	105	110	115	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Bristol Street South	80	70	80	60	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
Jamboree Road	Back Bay Drive	70	60	80	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Island Lagoon Drive	70	60	80	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Santa Barbara Drive	130	120	130	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	San Joaquin Hills Road	130	120	130	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Ford Road	130	120	130	Free	Newport Beach	Other	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Bison Avenue	130	120	130	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Axis	BBS	Fiber		Centracs	Online
	University Drive	130	120	130	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online

Traffic Synchronization Inventory
City of Newport Beach

Corridor	Cross Street Intersection	Cycle Length				Maintenance Responsibility	Equipment										
		AM	MID	PM	WKND		Cabinet	Type	Software	Detection	Bike Detection	CCTV	Power Backup	Comm	Other ITS	ATMS	Status
	Bayview Way	160	140	160	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Bristol Street South	160	140	160	120	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Video	Yes	Cohu	BBS	Fiber		Centracs	Online
	Bristol Street North	80	70	80	55	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Video	Yes	N/A	BBS	Fiber		Centracs	Online
	MacArthur Blvd	160	140	160	Free	Newport Beach	Other	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Centerpointe	160	140	160	Free	Irvine		2070									
	Fairchild Road	160	140	160	Free	Irvine		2070									
	Birch Street	160	140	160	140	Irvine		2070									
	Campus Drive	160	140	160	140	Irvine		2070									
MacArthur Boulevard	San Miguel Road	160	140	180	140	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	San Joaquin Hills Road	160	140	180	140	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
	Bonita Canyon Drive	160	140	180	140	Newport Beach	Other	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
	Vilaggio	160	140	180	140	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Bison Avenue	160	140	180	140	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
	73 Freeway Ramps	Free	Free	Free	Free	Caltrans		2070									
	Von Karman Avenue	160	140	160	120	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Birch Street	160	140	160	120	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Campus Drive	120	120	120	120	Irvine		2070									
Newport Boulevard	28th Street	90	110	110	120	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Video	Yes	Cohu	BBS	Fiber		Centracs	Online
	30th Street	90	110	110	120	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	32nd Street	90	110	110	120	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Finley Avenue	90	110	110	120	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Via Lido	90	110	110	120	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
	Hospital Road	144	150	160	150	Caltrans		2070									
Newport Center Drive	Corporate Plaza Drive	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Copper		Centracs	Online
	Civic Center Drive	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	N/A	Copper		Centracs	Online
	Newport Center Dr East-West	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Copper		Centracs	Online
Newport Center Drive E	San Miguel Drive	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	N/A	Fiber		Centracs	Online
	Santa Rosa Drive	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	N/A	BBS	Copper		Centracs	Online
Newport Center Drive W	Santa Cruz Drive	Free	Free	Free	Free	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Copper		Centracs	Online
	Santa Barbara Drive	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Copper		Centracs	Online
Newport Coast Drive	Pelican Hill Road South	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Provence	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Pelican Hill Road North	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Vista Ridge Road	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Ridge Park Road	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	San Joaquin Hills Road	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
	Gas Recovery	90	80	80	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Sage Hill	90	80	80	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber	Bluetoad	Centracs	Online
Pelican Hill Road South	Resort at Pelican Hill	Free	Free	Free	Free	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Villa Clubhouse	Free	Free	Free	Free	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
Placentia Avenue	Hospital Road	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Copper		Centracs	Online
	15th Street	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	N/A	N/A	Copper		Centracs	Online

Traffic Synchronization Inventory
City of Newport Beach

Corridor	Cross Street Intersection	Cycle Length				Maintenance Responsibility	Equipment										Status
		AM	MID	PM	WKND		Cabinet	Type	Software	Detection	Bike Detection	CCTV	Power Backup	Comm	Other ITS	ATMS	
Ridge Park Road	Fire Station	Free	Free	Free	Free	Newport Beach	M	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Fiber		Centracs	Online
San Joaquin Hills Road	Santa Cruz Drive	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Fiber		Centracs	Online
	Santa Rosa Drive	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Fiber		Centracs	Online
	San Miguel Road	Free	Free	Free	Free	Newport Beach	332	2070	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Crown Drive	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Marguerite Avenue	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Spyglass Hill Road	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Beaulieu	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Ridge Park Road	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	San Miguel Drive	Pacific View Drive	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs
	Yacht Coquette	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Video	Yes	N/A	N/A	Fiber		Centracs	Online
	Spyglass Hill Road	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Port Ramsey Place	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
Santa Barbara Drive	San Clemente Drive	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Copper		Centracs	Online
Santa Cruz Drive	San Clemente Drive	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	N/A	Fiber		Centracs	Online
Superior Avenue	Ticonderoga Street	Free	Free	Free	Free	Newport Beach	P (TS1)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Hospital Road	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
	Placentia Avenue	Free	Free	Free	Free	Newport Beach	Other	ASC/3	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	Hoag Health Care	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	ASC/3	ASC/3	Loops	Yes	N/A	BBS	Fiber		Centracs	Online
University Drive	La Vida	Free	Free	Free	Free	Newport Beach	P (TS2 Type 2)	Cobalt	ASC/3	Loops	Yes	Cohu	BBS	Fiber		Centracs	Online
	73 Freeway SB Ramps	Free	Free	Free	Free	Caltrans		2070									
	MacArthur Blvd SB Ramps	Free	Free	Free	Free	Caltrans		2070									

SECTION FOUR
TRAFFIC SIGNAL SYNCHRONIZATION SYSTEM AND
THREE-YEAR PLAN

3-YEAR OUTLOOK TRAFFIC SIGNAL SYNCHRONIZATION

Funding Needs for Synchronized Operation (Constrained)

Reporting Jurisdiction Expenditures: City of Newport Beach

Type of Traffic Signal Synchronization Expenditures in Year of Expenditure
Dollars

MAINTENANCE

PROJECT	FY26/27	FY27/28	FY28/29	TOTAL
Ongoing Equipment and Communication Maintenance	\$638,000	\$650,000	\$660,000	\$1,948,000
Subtotal Maintenance	\$638,000	\$650,000	\$660,000	\$1,948,000

CONSTRUCTION

PROJECT	FY26/27	FY27/28	FY28/29	TOTAL
Annual Traffic Signal Rehabilitation Project	\$1,883,000	\$1,500,000	\$1,000,000	\$4,383,000
Subtotal Construction	\$1,883,000	\$1,500,000	\$1,000,000	\$4,383,000

OPERATIONS

PROJECT	FY26/27	FY27/28	FY28/29	TOTAL
Subtotal Operations				
	\$2,521,000	\$2,150,000	\$1,660,000	\$6,331,000

3-YEAR OUTLOOK TRAFFIC SIGNAL SYNCHRONIZATION

Funding Needs for Synchronized Operation (Unconstrained)

Reporting Jurisdiction Expenditures: City of Newport Beach

Type of Traffic Signal Synchronization Expenditures in Year of Expenditure
Dollars

MAINTENANCE

PROJECT	FY26/27	FY27/28	FY28/29	TOTAL
Ongoing Equipment and Communication Maintenance	\$638,000	\$650,000	\$660,000	\$1,948,000
Subtotal Maintenance	\$638,000	\$650,000	\$660,000	\$1,948,000

CONSTRUCTION

PROJECT	FY26/27	FY27/28	FY28/29	TOTAL
Annual Traffic Signal Rehabilitation Project	\$1,883,000	\$1,500,000	\$1,000,000	\$4,383,000
Subtotal Construction	\$1,883,000	\$1,500,000	\$1,000,000	\$4,383,000

OPERATIONS

PROJECT	FY26/27	FY27/28	FY28/29	TOTAL
Subtotal Operations				
	\$2,521,000	\$2,150,000	\$1,660,000	\$6,331,000

**SECTION FIVE
TRAFFIC SIGNAL SYNCHRONIZATION ASSESSMENT REVIEW
AND REVISE, AS MAY BE NECESSARY, THE TIMING OF
TRAFFIC SIGNALS**

**Significant timing plan updates and projects completed
FY 2023/2024 through 2025/2026**

Completed in FY16-17, the eight-phase, multi-year Traffic Signal Modernization Program has been the City of Newport Beach project to update traffic signal equipment, communication infrastructure and traffic signal timing to achieve the goal of synchronizing city-operated traffic signals. The project included equipment, communication, and signal timing updates at a total of 120 signalized intersections and installation of 43 CCTV cameras. As these program projects were completed with local funds, or through the original Measure M grant program, the City measured project success qualitatively.

Considering many of the City's arterials were coordinated prior to the modernization project, the improvements to travel times have not been significant for daily commuters. Instead, the system has allowed for additional coordination patterns, fine-tuning and monitoring of the coastal areas during the peak season. Through use of the system, traffic engineering staff is better able to manage seasonal peaks and incidents. Additionally, there have been noticeable improvements in system reliability, incident/malfunction response time, and incident/special event support. The modern system has also allowed staff to further fine-tune the system through easier access and control.

Through the City's TMC, traffic engineering staff actively monitors, manages, and optimizes signal timing via Centracs, an advanced traffic management system (ATMS). Signal maintenance provides continual operational functionality of field equipment. The City is actively participating in the OCTA-led Countywide Signal Synchronization Baseline Project that will include field inventory, basic timing calculations, development of revised corridor performance baselines / evaluation methodologies toward Corridor Synchronization Performance Index (CSPI) 2.0 metrics. This includes the in-depth review of coordination and arterial corridor traffic signal timing along with arterial corridors. This baseline project incorporates coordination with other agency stakeholders to ensure positive traffic flow across jurisdictional boundaries. During the review, the traffic signal timing will be checked for compliance with the latest adopted standards and updated if necessary. The annual traffic signal rehabilitation projects provide ongoing maintenance and operation of the traffic signal system.

The City participated in the MacArthur Boulevard RTSSP where the City of Irvine was the lead agency. Attached is the Before and After Study Results (OCTA Metrics) for the project within the City's jurisdiction for the various peak periods finalized in Final Project Report dated March 11, 2024.

Lastly, attached is the latest Corridor Operational Performance for the Newport Beach jurisdiction, which was updated in 2023 and is provided as an additional reference.

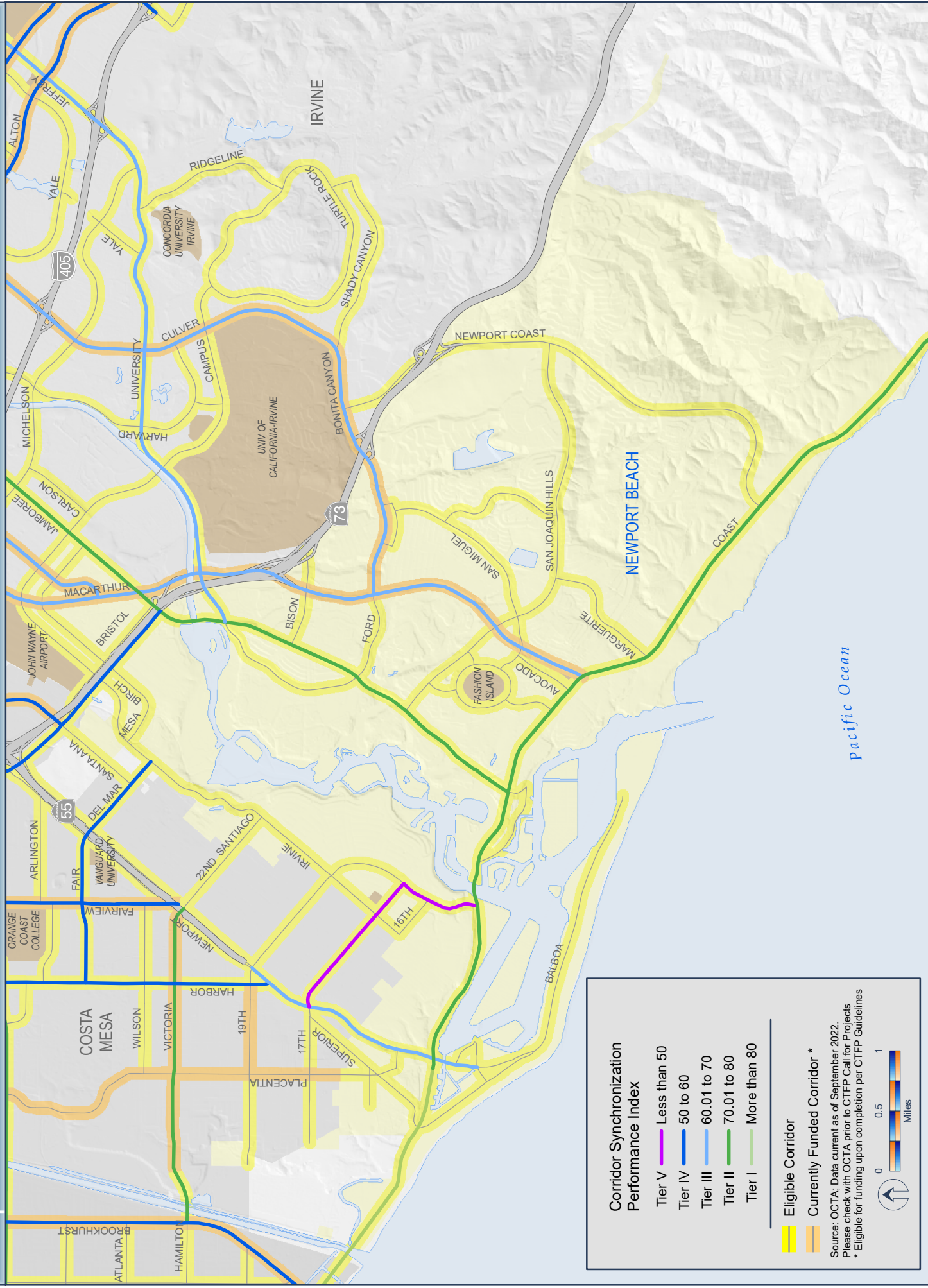


Table 6.8 – “Before” and “After” Study Results (OCTA Metrics) – City of Newport Beach

Peak	Dir	Value/ Score	Average Speed			Green-Red Ratio			Stops per Mile			Total Score			CSPI Tier	
			Before	After	Improve	Before	After	Improve	Before	After	Improve	Before	After	Improve	Before	After
AM	NB	Value	34.00	34.00	0.00%	3.29	3.21	-2.35%	0.72	0.84	-16.67%	94.8	91.5	-3.50%	1	1
		Score	35.7	34.3	-4.10%	26.6	25.7	-2.40%	32.8	31.6	-3.70%					
	SB	Value	24.05	29.78	23.81%	1.96	3.76	92.10%	1.25	0.83	33.53%	64.2	91.0	41.60%	3	1
		Score	21.1	29.2	38.50%	15.7	30.1	92.10%	27.5	31.7	15.30%					
Post AM	NB	Value	34.00	34.00	0.00%	3.92	3.77	-3.72%	0.76	0.81	-7.59%	99.0	96.6	-2.40%	1	1
		Score	35.2	34.6	-1.80%	31.3	30.2	-3.70%	32.4	31.9	-1.80%					
	SB	Value	26.18	29.60	13.17%	1.54	3.75	143.24%	1.36	0.88	35.36%	63.0	90.3	43.40%	3	1
		Score	24.3	29.1	20.10%	12.3	30.0	143.20%	26.4	31.2	18.30%					
MD	NB	Value	34.00	34.00	0.00%	3.75	4.29	14.29%	0.74	0.73	1.19%	98.6	102.3	3.80%	1	1
		Score	36.0	35.3	-1.80%	30.0	34.3	14.30%	32.6	32.7	0.30%					
	SB	Value	32.61	30.89	-5.28%	3.15	2.52	-19.77%	0.96	0.91	5.51%	85.1	82.4	-3.20%	1	1
		Score	29.6	31.3	5.90%	25.2	20.2	-19.80%	30.4	30.9	1.70%					
PM	NB	Value	31.35	32.81	4.63%	2.31	3.93	70.10%	1.02	0.79	22.29%	79.0	94.4	19.50%	2	1
		Score	30.7	30.9	0.60%	18.5	31.4	70.10%	29.8	32.1	7.60%					
	SB	Value	28.36	27.48	-3.10%	2.17	2.35	8.65%	1.10	0.96	12.41%	72.9	75.4	3.40%	2	2
		Score	26.6	26.2	-1.50%	17.3	18.8	8.70%	29.0	30.4	4.70%					
Weekend	NB	Value	34.00	34.00	0.00%	2.33	4.23	81.25%	0.78	0.72	7.33%	84.8	102.6	21.00%	1	1
		Score	33.9	36.0	6.00%	18.7	33.8	81.30%	32.2	32.8	1.80%					
	SB	Value	33.78	31.68	-6.22%	2.15	3.44	60.19%	0.93	0.86	7.25%	80.5	89.4	11.00%	1	1
		Score	32.6	30.5	-6.70%	17.2	27.5	60.20%	30.7	31.4	2.20%					



2023 Corridor Operational Performance Newport Beach



Corridor Synchronization Performance Index

- Tier V █ Less than 50
- Tier IV █ 50 to 60
- Tier III █ 60.01 to 70
- Tier II █ 70.01 to 80
- Tier I █ More than 80

- Eligible Corridor
- Currently Funded Corridor *

Source: OCTA, Data current as of September 2022.
Please check with OCTA prior to CTFP Call for Projects
* Eligible for funding upon completion per CTFP Guidelines

