



AGENDA

SAN RAFAEL CITY COUNCIL – MONDAY, APRIL 5, 2021

CORONAVIRUS (COVID-19) ADVISORY NOTICE

In response to Executive Order N-29-20, the City of San Rafael will no longer offer an in-person meeting location for the public to attend. This meeting will be streamed through YouTube Live at www.youtube.com/cityofsanrafael. Comments submitted via YouTube Live must be submitted according to the directions located on the YouTube video description. The City is not responsible for any interrupted service. To ensure the City Council receives your comments, submit written comments to the City Clerk prior to the meeting. For more information regarding real-time public comments, please visit our Live Commenting Pilot page at <https://www.cityofsanrafael.org/live-commenting-pilot/>.

Want to listen to the meeting and comment in real-time over the phone? Call the telephone number listed on this agenda and dial the Meeting ID when prompted. Feel free to contact the City Clerk's office at 415-485-3066 or by email to lindsay.lara@cityofsanrafael.org if you have any questions.

Any member of the public who needs accommodations should contact the City Clerk (email lindsay.lara@cityofsanrafael.org or phone at 415-485-3066) who will use their best efforts to provide reasonable accommodations to provide as much accessibility as possible while also maintaining public safety in accordance with the City procedure for resolving reasonable accommodation requests.

CLOSED SESSION AT 5:45 P.M.

Watch on Webinar: <https://tinyurl.com/cs-2021-04-05>

Watch on YouTube: www.youtube.com/cityofsanrafael

Listen by phone: (669) 900-9128,

ID: 896-0763-7493

OPEN SESSION

1. Mayor Kate to announce Closed Session item.

CLOSED SESSION

2. Closed Session:
 - a. Conference with Labor Negotiators - Government Code Section 54957.6
Lead Negotiators: Timothy L. Davis and Stephanie Vollmer (Burke, Williams & Sorensen)
Agency Designated Representatives: Jim Schutz, Cristine Alilovich, Nadine Hade, Thomas Wong, Carmen Valdez, David Spiller, Darin White, and Sylvia Gonzalez-Shelton
Employee Organization: SEIU - Childcare; San Rafael Police Mid-Management Association; Public Employee Union, Local 1; San Rafael Firefighters' Association; San Rafael Police Association; SEIU Local 1021; Western Council of Engineers; San Rafael Fire Chief Officers' Association; Unrepresented Mid-Management; Unrepresented Executive Management

REGULAR MEETING AT 7:00 P.M.

Watch on Webinar: <https://tinyurl.com/cc-2021-04-05>

Watch on YouTube: www.youtube.com/cityofsanrafael

Listen by phone: (669) 900-9128

ID: 817-3692-0337

OPEN TIME FOR PUBLIC EXPRESSION

The public is welcome to address the City Council at this time on matters not on the agenda that are within its jurisdiction. Please be advised that pursuant to Government Code Section 54954.2, the City Council is not permitted to discuss or take action on any matter not on the agenda unless it determines that an emergency exists, or that there is a need to take immediate action which arose following posting of the agenda. Comments may be no longer than two minutes and should be respectful to the community.

CITY MANAGER'S REPORT:

3. City Manager's Report:

COUNCILMEMBER REPORTS:

(including AB 1234 Reports on Meetings and Conferences Attended at City Expense)

4. Councilmember Reports:

CONSENT CALENDAR:

The opportunity for public comment on consent calendar items will occur prior to the City Council's vote on the Consent Calendar. The City Council may approve the entire consent calendar with one action. In the alternative, items on the Consent Calendar may be removed by any City Council or staff member, for separate discussion and vote.

5. Consent Calendar Items:

a. **Approval of Minutes**

Approve Minutes of City Council / Successor Agency Regular Meeting of Monday, March 15, 2021 (CC)

Recommended Action – Approve minutes as submitted

SPECIAL PRESENTATION

6. Special Presentation:

a. National Library Week Proclamation Presentation

PUBLIC HEARINGS

7. Public Hearings:

a. **Annual Progress Report (APR) on Housing**

Annual Progress Report (APR) on: Housing Units Submitted, Approved and Built in 2020; and Update on Progress of Implementing Programs in the Housing Element

Recommended Action – Accept report

OTHER AGENDA ITEMS

8. Other Agenda Items:
 - a. **General Plan 2040 / Downtown Precise Plan**
General Plan 2040 Progress Report #6 (CD)
Recommended Action – Accept report

SAN RAFAEL SUCCESSOR AGENCY:

1. Consent Calendar: - None

ADJOURNMENT:

Any records relating to an agenda item, received by a majority or more of the Council less than 72 hours before the meeting, shall be available for inspection online. Sign Language interpreters may be requested by calling (415) 485-3066 (voice), emailing Lindsay.lara@cityofsanrafael.org or using the California Telecommunications Relay Service by dialing "711", at least 72 hours in advance of the meeting. Copies of documents are available in accessible formats upon request.



MINUTES

SAN RAFAEL CITY COUNCIL – MONDAY, MARCH 15, 2021

CORONAVIRUS (COVID-19) ADVISORY NOTICE

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Present: Mayor Kate
Vice Mayor Bushey
Councilmember Hill
Councilmember Kertz
Councilmember Llorens Gulati

Absent: None

Also Present: City Manager Jim Schutz
City Attorney Rob Epstein
City Clerk Lindsay Lara

REGULAR MEETING AT 7:00 P.M.

Watch on Webinar: <https://tinyurl.com/cc-2021-03-15>

Watch on YouTube: www.youtube.com/cityofsanrafael

**Listen by phone: (669) 900-9128,
ID: 899-2635-9885#**

Mayor Kate called the meeting to order at 7:02 p.m. and invited City Clerk Lindsay Lara to call the roll. All members of the City Council were present.

Mayor Kate provided opening remarks, which included the one-year anniversary of the California Shelter in Place Order, the City's new Police Chief and a land acknowledgement.

City Clerk Lindsay Lara informed the community that the meeting would be streamed live to YouTube and members of the public would provide public comment either on the telephone or

through Zoom or YouTube live chat. She explained the process for community participation on the telephone, Zoom and YouTube.

OPEN SESSION

1. None.

CLOSED SESSION

2. Closed Session: - None.

OPEN TIME FOR PUBLIC EXPRESSION

Mayor Kate invited public comment; however, there was none.

CITY MANAGER'S REPORT:

3. City Manager's Report:

City Manager Jim Schutz announced:

- COVID-19 and the City's response update
- Third Street Corridor Project meeting on March 24
- Recent Federal Stimulus Package update

COUNCILMEMBER REPORTS:

(including AB 1234 Reports on Meetings and Conferences Attended at City Expense)

4. Councilmember Reports:

- Councilmember Bushey reported on San Rafael Sanitation District Board and Central Marin Sanitation Agency meetings; a site visit at B Street Community Center regarding a conceptual proposal for a combined library/community center.
- Councilmember Kertz reported on Las Gallinas Valley Sanitary District, Business District representatives, and the County Homeless Committee meetings.
- Councilmember Llorens Gulati reported on meetings regarding the Canal and COVID-19.
- Mayor Kate reported on SMART, Transportation Authority of Marin and Marin Transit meetings.

CONSENT CALENDAR:

Mayor Kate invited public comment; however, there was none.

Councilmember Hill moved and Councilmember Llorens Gulati seconded to approve the Consent Calendar

5. Consent Calendar Items:

- a. **Approval of Minutes**

Approve Minutes of City Council / Successor Agency Regular Meeting of Monday, March 1, 2021 and Special Meeting of Tuesday, March 2, 2021 (CC)

Approved minutes as submitted

- b. **Opportunity Zone Renter Protections**
Second Introduction and Final Adoption of Ordinance 1992: An Ordinance of the City of San Rafael City Council Adding Chapter 10.111 to the San Rafael Municipal Code, Entitled "Relocation Assistance in Opportunity Zones" (CD)
Final Adoption of Ordinance 1992
- c. **Opportunity Zone Renter Relocation Payment Amounts**
Resolution Establishing Relocation Assistance Payment Amounts Pursuant to San Rafael Municipal Code Chapter 10.111 – Relocation Assistance in Opportunity Zones (CD)
Resolution 14895 - Resolution Establishing Relocation Assistance Payment Amounts Pursuant to San Rafael Municipal Code Chapter 10.111 – Relocation Assistance in Opportunity Zones
- d. **Recreation Program Software Agreement**
Resolution Authorizing the City Manager to Execute a Product and Services Agreement with Active Network, LLC for Software as a Service to Support Recreation Program Administration In An Amount Not to Exceed \$310,000 Over Three Years (LR)
Resolution 14896 - Active Network, LLC for Software as a Service to Support Recreation Program Administration In An Amount Not to Exceed \$310,000 Over Three Years
- e. **Age-Friendly San Rafael Strategic Action Plan**
Accept the Age-Friendly San Rafael Strategic Action Plan 2020-2023 (LR)
Accepted report
- f. **Smith Ranch Road and Lucas Valley Road Resurfacing**
Accept Completion of the Smith Ranch Road and Lucas Valley Road Resurfacing Project (City Project No. 11336), and Authorize the City Clerk to File the Notice of Completion (PW)
Accepted completion

AYES: Councilmembers: Bushey, Hill, Kertz, Llorens Gulati & Mayor Kate
 NOES: Councilmembers: None
 ABSENT: Councilmembers: None

SPECIAL PRESENTATION

6. Special Presentation:

- a. Administer Oath of Office to Police Chief David Spiller

Mayor Kate presented a Proclamation to Interim Chief David Starnes upon his retirement. He expressed his gratitude for the kind words and his time working for the City.

City Manager Jim Schutz thanked Interim Chief David Starnes and introduced new Police Chief David Spiller. City Clerk Lindsay Lara administered the Oath of Office to Police Chief

David Spiller. He expressed his excitement to formally accept this role and undertake this leadership position.

- b. Presentation by Marin Municipal Water District on Drought and Water Conservation

Monty Schmitt and Carrie Pollard, Marin Municipal Water District gave a presentation.

Staff responded to questions from the Councilmembers.

- c. Informational Update by Caltrans on the 101 NB Central San Rafael Off-Ramp Bridge Replacement Project and Traffic Impacts to San Rafael

Bill Guerin, Public Works Director introduced Wajahat Nyaz, Caltrans who gave a presentation.

Staff responded to questions from the Councilmembers.

Mayor Kate invited public comment on the presentations.

Speakers: Diana Bishop, Lori Frugoli, name withheld

Staff responded to public comment.

OTHER AGENDA ITEMS

- 7. Other Agenda Items:

- a. **[Community Development Block Grant \(CDBG\)](#)**

Resolution Recommending Community Development Block Grant (CDBG) Project Funding for Fiscal Year 2021-22 to the Marin County Board of Supervisors (ED)

Danielle O'Leary, Director of Economic Development and Innovation presented the staff report.

Staff, including Molly Kron, Marin County Planner, responded to questions from Councilmembers.

Mayor Kate invited public comment.

Speakers: Caroline Peattie, Fair Housing Advocates of Northern California

Staff responded to comments and questions from Councilmembers.

Councilmember Hill moved and Councilmember Llorens Gulati seconded to adopt the resolution

AYES: Councilmembers: Bushey, Hill, Kertz, Llorens Gulati & Mayor Kate
NOES: Councilmembers: None
ABSENT: Councilmembers: None

Resolution 14897 - Resolution Recommending Community Development Block Grant (CDBG) Project Funding for Fiscal Year 2021-22 to the Marin County Board of Supervisors

b. **Amendment of Agreement to Negotiate Exclusively with Goldstone Management, Inc. Resolution Approving and Authorizing the City Manager to Sign an Amendment No. 2 to Extend the Agreement to Negotiate Exclusively with Goldstone Management, Inc. Regarding Redevelopment of 1009 and 1001 Fourth Street, 924-926 Third Street, and the Third Street and Lootens Plaza Parking Garage (ED)**

Danielle O’Leary, Director of Economic Development and Innovation presented the staff report.

Staff responded to questions from Councilmembers.

Mayor Kate invited public comment; however, there was none.

Councilmembers provided comments.

Councilmember Kertz moved and Councilmember Bushey seconded to adopt the resolution

AYES: Councilmembers: Bushey, Hill, Kertz, Llorens Gulati & Mayor Kate
NOES: Councilmembers: None
ABSENT: Councilmembers: None

Resolution 14897 - Resolution Approving and Authorizing the City Manager to Sign an Amendment No. 2 to Extend the Agreement to Negotiate Exclusively with Goldstone Management, Inc. Regarding Redevelopment of 1009 and 1001 Fourth Street, 924-926 Third Street, and the Third Street and Lootens Plaza Parking Garage

SAN RAFAEL SUCCESSOR AGENCY:

1. Consent Calendar: - None

ADJOURNMENT:

Mayor Kate adjourned the meeting at 8:48 p.m.

LINDSAY LARA, City Clerk

APPROVED THIS ____ DAY OF _____, 2021

KATE COLIN, Mayor



SAN RAFAEL CITY COUNCIL AGENDA REPORT

Department: **COMMUNITY DEVELOPMENT**

Paul A. Jensen

Prepared by: **Paul A. Jensen (RN)**
Community Development Director

City Manager Approval: *AS*

TOPIC: ANNUAL PROGRESS REPORT (APR) ON HOUSING

SUBJECT: ANNUAL PROGRESS REPORT (APR) ON: HOUSING UNITS SUBMITTED, APPROVED AND BUILT IN 2020; AND UPDATE ON PROGRESS OF IMPLEMENTING PROGRAMS IN THE HOUSING ELEMENT. CASE NO. P21-003

RECOMMENDATION:

It is recommended that the City Council:

- a. Open the public hearing and accept comments; and
- b. Accept report.

BACKGROUND:

Government Code Section 65400 requires local jurisdictions to prepare an Annual Progress Report (APR) on the status of the City's Housing Element and the progress in meeting its share of regional housing needs. A copy of the report must be submitted to both the Governor's Office of Planning and Research (OPR) and the State Department of Housing and Community Development (HCD) by April 1st for the previous calendar year (January 1-December 31). Historically, the APR has been prepared in narrative format and informally reported to the City Council as part of routine updates on housing. However, the State housing laws have dramatically changed in the last several years, and now mandate higher reporting standards and a greater level of accountability by the local jurisdiction. The housing laws require that a public hearing on the APR be conducted by the local jurisdiction to allow for public comment.

The APR is reported on [forms](#) prescribed by HCD. Prior to the 2018 reporting year, the APR forms were simpler, requiring the reporting of housing units approved (entitled) in the reporting calendar year, and progress on the implementation programs contained in the Housing Element. However, in response to changes in the State housing laws, in 2020, the forms became far more complex. The APR now requires that the local jurisdictions itemize and report the number of housing units: a) submitted and deemed complete; b) approved/entitled; c) issued building permits; and d) built and issued final inspections for occupancy. Further, the APR requires reporting the type of housing unit and the level of affordability. As noted above, the APR also requires listing all of the housing programs outlined in the Housing Element and status of implementation of these programs. Lastly, the recent changes to the APR require that local

FOR CITY CLERK ONLY

File No.: _____

Council Meeting: _____

Disposition: _____

jurisdictions report on housing development processed using the by-right housing approval process prescribed by Senate Bill 35 (SB 35). The APR now contains nine (9) reporting tables briefly described as follows:

1. Table A – Housing Development Applications Submitted. An “application” is a formal permit application submittal of a project for approval. This application is either for a discretionary entitlement (e.g. Environmental and Design Review, Use Permit), or where a ministerial process is solely required, such as an application for a building permit.
2. Table A2 – Annual Building Activity Report Summary. This table requires reporting all new housing construction, approved/entitled units, building permits issued, and built units issued a Certificate of Occupancy/final inspection.
3. Table B – Regional Housing Needs Allocation Progress. This table tallies the reporting year and prior year(s) of building permits issued for housing units under the current Regional Housing Need Allocation (RHNA) Planning Cycle (current cycle is 2015-2023). Permitted housing units are reported by their affordability (e.g., low-income, above moderate income/market rate). This table tracks the local jurisdictions progress towards meeting the RHNA. Table B contains the RHNA by income level and compares that number with total annual new housing units and housing units to date.
4. Table C – Properties Rezoned to Accommodate a Shortfall of Housing Need. State housing law requires that if the local jurisdiction approves a housing development on a housing opportunity site that results in fewer units than the number estimated for the site in the Housing Element, the shortfall of units must be made by rezoning another site to accommodate the shortfall. For the 2020 reporting year, the City was not required to rezone any site(s) to accommodate a shortfall of housing need.
5. Table D – Housing Element Program Implementation. This table requires that all Housing Element programs be listed and accompanied by a report on the progress of program implementation.
6. Table E – Commercial Development Bonus. This table allows for reporting of commercial development bonus for applications that include an agreement for partnered housing that contributes affordable housing through a joint project or two separate projects encompassing affordable housing. For the 2020 reporting year, the City did not approve any project involving a commercial development bonus.
7. Table F – Housing Units Rehabilitated, Converted from Non-affordable to Affordable and Preserved. This table allows the local jurisdiction to report housing units that have been substantially rehabilitated, converted from non-affordable to affordable by acquisition, and preserved. For the 2020 reporting year, there were no housing units approved/built that meet this criterion.
8. Table G – City-owned Properties Sold, Leased or Otherwise Disposed. This table requires the local jurisdiction to identify any City-owned property that has been included in the Housing Element Sites Inventory that have been sold, leased, or otherwise disposed of during the reporting year. The City did not dispose of any such property during the 2020 reporting period.

- 9. Summary Table. This table tallies the data from several of the tables listed above. The summary data focuses on the total of all permits issued and all applications submitted and approved for the 2019 reporting period.

ANALYSIS:

Staff has completed the APR for the 2020 calendar year. The APR tables are attached (Attachment 1). Staff submitted the report to HCD on April 1, 2021. The following is a summary of the City’s progress on housing approvals/entitlements, building permits issued and housing units completed for occupancy.

- As reported in the Housing Application Summary Table, a total of 46 housing development applications were submitted to the City and deemed complete in 2020. These completed applications included: 38 Accessory Dwelling Unit (ADUs) applications; four (4) Junior Accessory Dwelling Unit (JADUs) application; two (2) single family dwellings (SFDs) applications; a three (3)-unit development application; and a 32-unit development application. HCD allows accessory units that are less than 500 square feet in area to be reported as low-income (non-deed restricted) because rental prices for these units tend to fall within the low-income rental rates. A total of 7 units fall under this category. The 32-unit development at 190 Mill Street is recorded as very low-income units but were in fact approved as extremely low-income units.
- Table A2 data includes the following report for 2020:
 - a. Housing Units Entitled: 201 units
 - b. Building Permits Issued: 82 units
 - c. Units Built and Granted Final Occupancy: 32 units
 - d. Units Lost: 1 unit
- RHNA (Regional Housing Needs Allocation) progress is presented in Table B (below):

Income Level		RHNA Allocation by Income Level	2015	2016	2017	2018	2019	2020
Very Low	Deed Restricted	240	2			1		4
	Non-Deed Restricted							
Low	Deed Restricted	148	10	5		1		2
	Non-Deed Restricted		4		7	24	6	7
Moderate	Deed Restricted	181						
	Non-Deed Restricted		10			1		
Above Moderate		438	94	21	20	14	22	69
Total RHNA		1007						
Total Units			120	26	27	41	28	82

Note: units serving extremely low-income households are included in the very low-income permitted unit totals

As mentioned above the tables use building permit issuance for the purposes of determining progress towards RHNA. The 82 units that were issued building permits in 2020 including the 41-unit housing development at 815 B Street (at 2nd Street), which is near completion, as well as a total of 36 ADUs/JADUs; 2 single family residential units; and 3 units in multifamily development. Please note that housing projects that have been approved/entitled are not necessarily reflected in the APR if they did not also receive a building permit. Those units will be counted in future reporting periods once building permits are issued. Entitlements were granted for the following key housing projects in 2020, but are not yet counted toward the RHNA number as building permits for these projects were not issued in 2020:

- 190 Mill Street (32 extremely low-income transitional housing units)
- 999 Third Street (BioMarin R&D + Whistlestop/EDEN Housing Senior Center and Housing (68 low-income senior housing units)
- 350 Merrydale Road (45 townhome units)

While Table B only shows credit for 82 units, the City received completed applications for 201 units in 2020 getting us closer to reaching our RHNA goals.

- As reported in Table D, there are a number of Housing Element programs that are ongoing and serve to streamline housing development within the City and provide housing protections to vulnerable communities. The following are some key Housing Element programs that were part of the 2020 reporting period:
- a. H11-b. & H16-a. Accessory Dwelling Units and Junior Accessory Dwelling Units. The city began drafting of an ADU Ordinance in 2019. However, due to additional changes in state legislation on ADUs, the final draft ordinance was not completed and released until late 2020. The draft ADU ordinance was reviewed by the Planning Commission on March 23, 2021.
 - b. H-5a. Fair Housing Program. In 2020, the City continued to initiate and adopt renter protection policies, practices, and programs. Policy and ordinance actions initiated in 2020 included a temporary moratorium on rent increases to residents living in US Census Tracts most disproportionately impacted by COVID-19.
 - a. H-6a. Funding Sources. In 2020, the City piloted a “buy out” of a portion of the inclusionary housing requirement for Village @ Loch Lomond Marina development. The buy-out authorized the City acceptance of an in-lieu fee for six, undeveloped, for sale housing units. A portion of the in-lieu fee that was collected was granted to Homeward Bound to subsidize their transitional housing project at 190 Mill Street. Further, a portion of the in-lieu fee that was collected was allocated to EDEN Housing for a loan to build 68 low-income housing units at 999 3rd Street.
 - b. H-8d. Relocation Assistance. In 2020, this City initiated municipal code amendments to establish residential rental relocation assistance requirements for residents subject to “no fault” eviction in the US Census Tract 1122.01 (federally designated Opportunity Zone).
 - a. H-9d. Housing for Extremely Low-Income Households. In 2020, the City granted “by right” approvals for the redevelopment of the Homeward Bound emergency shelter at 190 Mill Street. The redevelopment includes the approval of 32 extremely low-income transitional housing units. Further, in 2020, the City collaborated with and assisted the County of Marin in its purchase of 3301 Kerner Boulevard to convert this office-developed site with transitional housing.
 - b. H-13a. Assisted Living. In 2020, the City issued building permits for the development of the Oakmont Assisted at 3773 Redwood Highway. This development will provide 89 assisted living apartment units with supportive services.

- c. H-17d. Efficient Project Review. In 2020, the City implemented and initiated a number of measures to further promote efficient project review. As a result of the COVID-19 pandemic, the City launched: a) an online permit application program for both Planning review and Building Permits; b) a “virtual public counter” to service customers during City Hall closure; and c) a piloted Design Review Board Sub-Committee to review projects.
- d. H-18a. Inclusionary Housing Nexus Study. In 2020, the City partnered with the County of Marin to initiate a study to update the affordable housing in-lieu fee for new residential and non-residential (commercial linkage fee) projects.

➤ **Summary Table.** The Summary Table tab includes a summary of Tables A through G. There are only two relevant tables as shown below. As shown in these tables there were total 82 units were issued building permits in the 2020 reporting period. This is also the total number of units that count toward the City’s RHNA goals.

Building Permits Issued by Affordability Summary		
Income Level		Current Year
Very Low	Deed Restricted	4
	Non-Deed Restricted	0
Low	Deed Restricted	2
	Non-Deed Restricted	7
Moderate	Deed Restricted	0
	Non-Deed Restricted	0
Above Moderate		69
Total Units		82
Note: Units serving extremely low-income households are included in the very low-income permitted units totals		

Housing Applications Summary	
Total Housing Applications Submitted:	46
Number of Proposed Units in All Applications Received:	80
Total Housing Units Approved:	80
Total Housing Units Disapproved:	0

ENVIRONMENTAL REVIEW:

As required by State law (California Environmental Quality Act), review and action on the APR must be reviewed to determine if it is subject to environmental review. As the APR is an informational report, it will have no physical impact on the environment. The APR is classified as a planning study, which qualifies for a Statutory Exemption from the provisions of the CEQA Guidelines under 14 CRR Section 15262.

COMMUNITY OUTREACH:

Notice of the public hearing was conducted in accordance with the public review period and noticing requirements contained in Chapter 29 of the Zoning Ordinance. Notice of public hearing was mailed to all neighborhood associations and stakeholders including the San Rafael Chamber of Commerce and housing advocacy groups.

FISCAL IMPACT:

There is no fiscal impact associated with the completion and submittal of the 2020 APR.

OPTIONS:

1. Accept the APR as presented by staff;
2. Accept the APR with modifications; or
3. Reject the APR and direct staff to return with additional information.

ATTACHMENTS:

1. 2020 HCD Annual Progress Report Tables
2. Public Hearing Notice
3. Correspondence

Jurisdiction	San Rafael	
Reporting Year	2020	(Jan. 1 - Dec. 31)

Building Permits Issued by Affordability Summary		
Income Level		Current Year
Very Low	Deed Restricted	4
	Non-Deed Restricted	0
Low	Deed Restricted	2
	Non-Deed Restricted	7
Moderate	Deed Restricted	0
	Non-Deed Restricted	0
Above Moderate		69
Total Units		82

Note: Units serving extremely low-income households are included in the very low-income permitted units totals

Housing Applications Summary	
Total Housing Applications Submitted:	46
Number of Proposed Units in All Applications Received:	80
Total Housing Units Approved:	80
Total Housing Units Disapproved:	0

Use of SB 35 Streamlining Provisions	
Number of Applications for Streamlining	0
Number of Streamlining Applications Approved	0
Total Developments Approved with Streamlining	0
Total Units Constructed with Streamlining	0

Units Constructed - SB 35 Streamlining Permits			
Income	Rental	Ownership	Total
Very Low	0	0	0
Low	0	0	0
Moderate	0	0	0
Above Moderate	0	0	0
Total	0	0	0

Cells in grey contain auto-calculation formulas

**CITY OF SAN RAFAEL
NOTICE OF PUBLIC HEARING**

Notice is hereby given that the San Rafael City Council will hold a public hearing on the following project:

- MEETING DATE/TIME/LOCATION:** **Monday, March 15, 2021 7:00 p.m. COVID-19 ADVISORY NOTICE**
Consistent with Executive Orders No.-25-20 and No. N-29-20 from the Executive Department of the State of California and the Marin County March 16, 2020 Shelter in Place Order, the San Rafael City Council meeting of March 15, 2021 will not be physically open to the public and the meeting will be streamed live to YouTube at <https://www.youtube.com/cityofsanrafael> and through Zoom. Instructions on how to participate online, will be available on the YouTube channel.
- PROJECT DESCRIPTION:** **ANNUAL PROGRESS REPORT (APR) ON HOUSING** – Per State law, the City of San Rafael is required to complete and submit an Annual Progress Report (APR) on housing to the State of California Department of Housing and Community Development. The APR includes data on the number of housing units submitted and approved in 2020, and an update on the progress of implementing programs in the City’s Housing Element. Further, State law requires that the City conduct a public hearing on the APR to solicit public comments. File No.: P21-003.
As required by State law (California Environmental Quality Act), review and action on the APR must be reviewed to determine if it is subject to environmental review. As the APR is an informational report, it will have no physical impact on the environment. The APR is classified as a planning study, which qualifies for a Statutory Exemption from the provisions of the CEQA Guidelines under 14 CRR Section 15262.
- WHAT WILL HAPPEN:** You may comment on the project online. The City Council will consider public comment/testimony and decide whether to accept the APR.
- IF YOU CANNOT PARTICIPATE:** You may send a letter to Lindsay Lara, City Clerk by email to Lindsay.Lara@cityofsanrafael.org.
- FOR MORE INFORMATION:** Contact Renee Nickenig, Assistant Planner at (415) 485-3397 or renee.nickenig@cityofsanrafael.org. **City offices are currently closed to public walk in, but you can contact the planner for more information.** You can also view the staff report after 5:00 p.m. on the Friday before the meeting at <http://www.cityofsanrafael.org/meetings>.

SAN RAFAEL CITY COUNCIL
/s/ Lindsay Lara
Lindsay Lara
CITY CLERK

From: Myra Drotman [REDACTED]
Sent: Thursday, April 1, 2021 10:35 AM
To: Distrib- City Clerk <City.Clerk@cityofsanrafael.org>
Subject: Housing Development in San Rafael & Terra Linda

I am in support of some housing growth, I strongly think that a majority of the new housing needs to be condo, coops and new single family homes. New housing should not be all rental apartments.

Marin is a small town county. And small towns have a majority of owner occupied homes.

Houses, condos, coips , etc are mostly owner occupied. The ability to buy a home is what builds wealth and has local people living in their homes.

If you allow huge apartment complexes, you wind up with huge corporation ownership. CEO's who do not live here nor care about our community. This also adds to the major urbanization of our community.

Apartments keep people from developing wealth and therefore keeps disadvantaged minorities in poverty.

Locals want their children to be able to own homes in Marin. My children will not stay in Marin if they have to rent an apartment. They want to buy a home. I think most American's dream is to buy a home.

Small and affordable condos, town houses, small single family homes will allow for diversity and wealth building and keep our small towns less urbanized.

Please insist on home ownership , rather than tenant occupied when considering future housing. Let people that live here or want to live here be owners. Stop massive corporations from owning Marin.

Thank you.

Myra Drotman

Myra Drotman
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SAN RAFAEL CITY COUNCIL AGENDA REPORT

Department: Community Development

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City Manager Approval: *JS*

TOPIC: GENERAL PLAN 2040 / DOWNTOWN PRECISE PLAN

SUBJECT: GENERAL PLAN 2040 PROGRESS REPORT #6

RECOMMENDATION:

Accept Report.

BACKGROUND:

Staff is providing the sixth and final Progress Report (Progress Report #6) to the City Council on the San Rafael General Plan 2040 and Downtown Precise Plan. The Progress Report provides an opportunity to brief the City Council on the status of the project prior to the Council's receipt of the Draft documents and Final Environmental Impact Report (FEIR) for adoption. It also provides an opportunity to present new Traffic Impact Analysis (TIA) Guidelines that implement recent California Environmental Quality Act (CEQA) requirements, specifically, Senate Bill 743 (SB743), which requires replacement of the Level of Service (LOS) methodology with the Vehicle Miles Traveled (VMT) methodology for environmental review.

Links to the five previous Progress Reports are provided below:

- Progress Report #1 ([March 4, 2019](#))
- Progress Report #2 ([July 15, 2019](#))
- Progress Report #3 ([December 2, 2019](#))
- Progress Report #4 ([July 6, 2020](#))
- Progress Report #5 ([October 19, 2020](#))

This report covers activities since October 2020, including a summary of the major issues raised since publication of the Draft General Plan 2040, Downtown Precise Plan, and EIR. The final section of the report covers the TIA Guidelines. A PowerPoint presentation on the Guidelines will be provided by the City's transportation consultants at the Council meeting.

FOR CITY CLERK ONLY

File No.: _____

Council Meeting: _____

Disposition: _____

ANALYSIS:

1. General Plan 2040

General Plan 2040 was launched in December 2017. The updated Plan moves the time horizon from 2020 to 2040. The Plan has been comprehensively revised to reflect current issues and forecasts, and to address changes in state law. While the update is primarily a “refresh” of the existing plan rather than a brand-new plan, changes to the document address the evolving state of the City and region, and cover issues such as climate change, social equity, and emerging transportation technology. The three-year planning process gathered and analyzed data; audited each goal, policy, and action in the existing General Plan; and added new and updated policies. A 24-member Steering Committee was appointed by the City Council to guide the process. The Committee convened 25 meetings between January 2018 and June 2020.

The October 19 Progress Report included more detail on the Plan, including a summary of each chapter and highlights of the changes made from General Plan 2020 to General Plan 2040. It also included a description of adjustments to the community engagement program resulting from the COVID-19 pandemic, and a summary of Land Use Map changes.

Chapters 1-9 of General Plan 2040 were published on October 2, 2020. Chapters 10-14 were published on November 4, 2020. The published chapters can be accessed [here](#).

The Planning Commission convened public hearings on General Plan 2040 on October 27 and November 12, 2020. In addition to taking public testimony at these hearings, the Commission discussed each chapter of the document individually, soliciting comments from Commissioners. Following the November 12 hearing, staff prepared a matrix listing all written and oral comments, including a response indicating how the comment would be addressed in the revised Plan. A third hearing was convened on December 15, 2020 to review the matrix, solicit additional comments, and confirm that the Commission concurred with staff’s responses to comments.

Key Issues

Approximately 20 comment letters were received on General Plan 2040 between October 2020 and January 2021. Another 26 public comments were received verbally via YouTube Live and Zoom during the Planning Commission’s hearings. The Commission also spent approximately six hours discussing the Plan at its three hearings. Major issues are highlighted below:

- Eleven of the 20 written comments requested stronger language in the Specific Plan regarding tree preservation, particularly protection of redwood trees.
- The Marin Audubon Society submitted written comments on the Plan’s policies for wetlands protection. This includes a request to replace conditional statements (i.e., those with caveats such as “where feasible”) with stronger and more obligatory language. They also asked that the language on the 85-acre Canalways site focus more strongly on open space and resource conservation, and that references to future land uses being “economically viable” for the property owners be removed. The City also received correspondence from the property owner supporting the Plan’s language as shown and asking that the Plan be more proactive regarding the site’s future development.

- Specific revisions and edits to the Plan were suggested by Terra Linda Homeowners Association, Hillside Neighbors, West End Neighborhood Association, San Rafael Heritage, and several residents.
- A number of comment letters and oral testimony requested text changes to the description of Northgate Mall in the Neighborhoods Element. Specifically, it was requested that the Plan delete references to “expansion” of the Mall as well as references to “strengthening its role as a revenue generator.” The Commission generally concurred with these recommendations, pointing out that the General Plan should not pre-determine the outcome of future planning for the Northgate area.
- Some of those that commented suggested using terms such as “shall” instead of “should” in policy statements. Similarly, it was suggested that words such as “encourage,” “support” and “consider” should be changed to more directive words such as “require,” “mandate,” and “establish.” Given the importance of balancing competing goals in the General Plan and the long-range, aspirational nature of the Plan, staff would not support these changes in most cases. There are a few instances (especially in the programs) where it may be appropriate to require actions rather than recommend them. The General Plan is not a regulatory document. Mandatory or directive words are more common to regulatory documents such as a zoning ordinance.
- Responsible Growth Marin submitted separate comment letters on the Mobility Element and the Economic Vitality Element. The Mobility comments related to parking, the viability of transit-oriented development, and uncertainties about future mobility trends after the pandemic. The Economic Vitality comments likewise related to unknowns about the future of the retail and office markets, and clarification of some of the data and policies in that Element.
- Representatives of the arts community spoke in support of the Draft Arts and Culture Element and emphasized the need for more pro-active and decisive measures to fund arts and cultural programs in the future.
- Marin Conservation League (MCL) provided comments on the Land Use Element. The Sierra Club endorsed these comments in its own comments.
- The Planning Commission requested that metrics (measurable objectives and standards) be added to the Plan where feasible, both to evaluate progress and to help inform future programs and resource allocation. Staff has prepared implementation tables for each Element and suggested a number of new metrics in response to this request.
- The Planning Commission noted potential conflicts in the Plan’s focus on equity and higher wage jobs at the same time it emphasizes the importance of retail to the local economy, and the desire to sustain sales tax as a revenue source. The Commission suggested that greater attention be given to the future of the City’s economy and suggested adding a “Call to Action” to re-think how the City’s economic and equity goals might be better aligned. The Commission also raised issues around how the City’s economy may need to evolve in response to the pandemic and broader changes in the retail, office, industrial, health care, and technology sectors.

2. Downtown Precise Plan

In 2018, the City of San Rafael received a grant to prepare a Precise Plan for Downtown San Rafael. The intent was to update the 1993 Downtown Vision and incorporate more recent plans and programs for Downtown (including the 2012 [Downtown SMART Station Area Plan](#)). The grant created “collateral” opportunities, such as updating the inventory of Downtown’s historic resources and strategies for making

Downtown more pedestrian-friendly and resilient to climate change. The City retained Opticos Design, Inc. in January 2019 as the prime consultant for the project. The General Plan Steering Committee served as the vetting body for the Plan and convened meetings throughout 2019 to provide input.

The Draft Precise Plan includes a new “form-based code” for Downtown. This code will replace many of the existing zoning regulations for Downtown with a new method of zoning focused on building form (height, setbacks, bulk, etc.) rather than the uses that occur within buildings. In some respects, the code is more flexible than the existing code, particularly with respect to uses. In other respects, it is more prescriptive, as it identifies specific requirements for building frontages, step backs (recessing of upper floors), and treatment of historic properties. The trade-off for the prescriptive requirements is a streamlined review process for conforming projects, and a more pedestrian-friendly building form.

A working draft of the Precise Plan was completed in May 2020. The draft was further vetted through a subcommittee of the General Plan Steering Committee during summer 2020. A revised Plan was developed in November 2020. Further revisions followed, and a Public Review Draft was released on December 21, 2020. Prior to releasing the Draft, Opticos prepared a [six-part video tutorial](#) on Form Based Codes, which is available on [YouTube](#). More recently, staff and Opticos also prepared a video for Downtown property owners and businesses on how to use the Form Based Code.

The Planning Commission convened public hearings on the Downtown Precise Plan on January 12 and January 26, 2021. The January 12 hearing focused on the policy and design recommendations of the Plan, while the January 26 hearing focused on the Form Based Code. A third hearing was held on February 9 to review staff’s responses and proposed revisions in response to the comments made in January. This included comments from the public hearings as well as written comments from residents, businesses, and stakeholder groups.

Key Issues

Comments on the Draft Downtown Precise Plan have focused on historic preservation, density bonuses, proposed height limits, potential redesign of Fourth Street, other urban design improvements, and the transition to the Form Based Code. A summary of comments and issues is provided below:

- The greatest number of comments have addressed historic resources. These comments fall into two general categories: (a) the inventory of proposed historic resources (and eligible districts) and (b) the Plan’s development standards and policy recommendations for the treatment of historic resources.
 - On the first issue, the Precise Plan work scope included an update of the City’s 1978/ 1986 inventory of historic resources. That inventory identified 88 historic resources in Downtown. The 2019/20 inventory revisited these properties, along with nearly 500 other Downtown properties. The 2019/20 inventory was prepared by Garavaglia Associates with assistance from San Rafael Heritage. After several rounds of screening, a shortlist of roughly 100 properties was identified as having historic importance. There were 24 buildings removed from the 1978/1986 list, including seven that have been demolished and 17 with diminished historic integrity. There were 36 properties added to the list, including a number of buildings from the 1930s, 40s, and 50s that did not meet eligibility criteria at the time of the 1978 survey.
 - San Rafael Heritage (SRH) has reviewed the 2019-20 inventory and provided detailed comments. SRH has also recommended changes to the areas identified in the Downtown Precise Plan as eligible historic districts. Staff is reviewing their comments with the assistance of a third-party historic preservation consultant through the EIR Response to Comments process.

- On the second issue, San Rafael Heritage suggests that the Precise Plan's standards for historic buildings may be overly prescriptive on some cases and not prescriptive enough in others. They have suggested the removal of specific height and setback requirements for new development adjacent to historic buildings, along with incentives for restoring facades of buildings with historic value. San Rafael Heritage has also proposed that a five-member Historic Resources Advisory Committee be created to advise the Planning Commission on applications impacting historic resources.

At least one participant in the public hearings expressed concerns about the impacts of new historic preservation regulations (and property designations) on development costs and opportunities. Staff has met with the Chamber of Commerce and Business Improvement District to discuss these issues and concerns. In response, post card notices were sent to the owners of all properties identified as being potential historic resources and three one-hour webinars were convened the week of February 22 to apprise property owners of what was proposed and discuss their concerns. A recording of the webinar presentation (including audio) is available [here](#).

- Applicability of the City's Density Bonus regulations in the Precise Plan area has been raised as an issue, given that the proposed new Downtown zoning regulations do not include density standards. Recent changes to State laws allow density bonuses of up to 50 percent for projects meeting certain criteria, and 80 percent for projects that are 100 percent affordable. Since the Precise Plan relies solely on height limits and setbacks to determine allowable building envelopes, it is unclear how these rules would apply. Staff has been developing an alternative approach modeled after Santa Rosa, Santa Cruz, El Cerrito, and San Francisco, which also have non-density-based zoning districts.
- Comments on the Precise Plan also have raised issues about proposed height limits and height bonuses. This includes questions about how "affordable housing" is defined, what community benefits may be required to qualify for bonuses, and how local bonuses align with State density bonus programs. The Planning Commission and members of the public have also discussed the height limits themselves. Some Commissioners and members of the public have expressed that the limits are too high in a few locations, while others have expressed that they are not high enough.
- The Precise Plan recommends redesigning a portion of Fourth Street as a "shared street" that is more pedestrian-oriented and bicycle-friendly. The Planning Commission discussed the possibility of further limiting or even eliminating vehicles from parts of Fourth Street, either on a permanent or temporary basis.
- Sustainable San Rafael has submitted a list of additional urban design improvements to be included in the Precise Plan, including additional plazas, pedestrian crossing improvements, and bike lane improvements. Their recommendations also recommend additional solar access standards to protect sunlight and limit shadowing of public space along Fourth Street.

3. Environmental Impact Report.

A [Draft Environmental Impact Report](#) (DEIR) for General Plan 2040 and Downtown Precise Plan was published on January 7, 2021. The document is a "Program EIR," meaning it evaluates the impacts of the General Plan's policies and maps rather than the impacts of a specific development project or capital improvement. The "Program" in this case translates to the addition of 4,400 housing units and 4,100 jobs in the San Rafael Planning Area over a 20-year period. Roughly half of this increase will occur within the Downtown Precise Plan boundaries. Accordingly, each section of the EIR includes an

evaluation of citywide impacts and then an evaluation of Downtown impacts.

Upon publication of the DEIR, a Notice of Availability was prepared. Post cards and email notifications were sent to a mailing list of several hundred recipients, including public agencies. A 61-day period was provided for public review, exceeding the required 45-day review time. The review period closed on March 9, 2021 and the Planning Commission held a public hearing on that date.

All required CEQA topics are addressed in the EIR. Where the EIR found potential significant impacts, mitigation measures were identified. In most cases, these measures required new General Plan programs or edits to existing programs. A few impacts were found to be significant and unavoidable even after mitigation (air quality, cultural resources, greenhouse gas emissions, and transportation). A Statement of Overriding Considerations will need to be adopted as part of EIR certification.

Key Issues

Fourteen DEIR comment letters were received, and six persons testified at the Planning Commission hearing on March 9, 2021. A summary of the comment letters and public hearing testimony is provided below.

- Golden Gate Bridge, Highway, and Transportation District requested minor clarifications to the Precise Plan.
- Ragghianti & Freitas law firm requested a minor change to the Precise Plan boundary (on behalf of a property owner) to allow three parcels under contiguous ownership to be included. Two of the parcels are already within the boundary.
- Ragghianti & Freitas law firm requested an increase to the height limit for a property on C Street between Mission and Fifth Avenue (on behalf of a property owner).
- A resident requested that 930 Tamalpais be listed as a resource in the historic inventory.
- The Transportation Authority of Marin (TAM) asked that the EIR address the consistency of the General Plan/ Downtown Plan with the Congestion Management Program.
- San Rafael Heritage submitted comments on the Precise Plan and the historic resources Inventory (described in the previous section of this report), along with supplemental comments on the Cultural Resources Appendix to the Precise Plan.
- A property owner appealed the inclusion of their property on the list of historic resources.
- A resident submitted proposed edits to the Aesthetics section, the Biological Resources section, the Geology and Soils section, and the appendix annotating Land Use Map changes.
- A resident submitted a request to address impacts on the Northern Spotted Owl and additional measures to protect sensitive upland plant communities.
- Caltrans acknowledged receipt of the DEIR and expressed their support for the Plan alternative that accommodated more housing growth.
- Sustainable San Rafael submitted comments on the Greenhouse Gas section and recommended strengthening several Conservation/Climate Change Element programs to mitigate impacts.

- The San Rafael Rock Quarry submitted comments on the Mineral Resources section, including clarifications and corrections.
- The California Department of Fish and Wildlife submitted comments on the Biological Resources section, referencing additional species and edits to proposed mitigation measures.
- Marin Audubon Society submitted comments referencing General Plan Conservation policies that are cited as mitigating biological impacts, particularly those relating to wetlands, creeks, and special status species.

4. Transportation-Focused Initiatives

The Draft General Plan 2040 includes two concurrent transportation initiatives:

- Update of the Traffic Mitigation Fee to reflect General Plan 2040
- Updated “Traffic Impact Analysis” (TIA) Guidelines for proposed development projects. These Guidelines implement SB743, which discontinues the use of Level of Service (LOS) standards for environmental review and includes new requirements and procedures for implementing the Vehicle Miles Traveled (VMT) methodology.

Transportation fees were discussed in Progress Report #5 and will be covered in a future City Council meeting. The discussion below focuses on the TIA Guidelines.

As required by State law, the City has shifted to a new method of measuring the transportation impacts of new development under the California Environmental Quality Act (CEQA). Pursuant to SB743, the impact of a project on transportation is evaluated based on the total number of vehicle miles (e.g., the amount of driving) it may induce once it is completed, rather than the level of traffic congestion it may generate. This legislation permits the continued use and application of LOS as a tool for local jurisdiction planning and development review; however, it can no longer be required for CEQA analysis.

The VMT methodology is complex, as it departs from the classic approach at assessing intersection and road operations, which focus on vehicle movement and operational capacity. Given the complexity of VMT, the topic was subject to informational reports that were presented to the City Council on [June 3, 2019](#) and [December 2, 2019](#). Following initial feedback from the City Council, staff prepared a third informational report outlining recommended standards for VMT and LOS. This third report was presented to the City Council on [July 6, 2020](#). The City Council provided direction to staff for formulating General Plan 2040 policy on VMT thresholds and screening criteria and retaining LOS as a planning and development review tool. The Council also recommended that the General Plan 2040 include a program to develop clear and easy to understand guidelines addressing the application of VMT and LOS.

As directed by the City Council, General Plan 2040 establishes compliant VMT standards for CEQA purposes but retains Level of Service (LOS) as a planning and development review tool. Given the complexity of the new requirements and their potential to increase development costs, staff (through its consultant) has prepared TIA Guidelines. The intent of the Guidelines is to clearly lay out the City’s expectations and requirements for both VMT analysis and LOS analysis. One of the objectives of the Guidelines is to ensure that the new requirements do not create a cost burden for desirable future development projects. The Draft Guidelines are attached to this staff report and are available on the City’s website at www.sanrafael2040.org.

The Guidelines describe the City's approach for determining the need for a transportation analysis, the contents of that analysis, and the transportation improvements that may be necessary. They provide essential information for the public and decision-makers, including a tool for evaluating a project's consistency with the General Plan and the County's Congestion Management Program, mitigation measures under CEQA, and non-CEQA related improvements that may be necessary to maintain adopted Level of Service (LOS) standards.

The TIA Guidelines lay out different approaches to traffic studies based on the size, location, and characteristics of the project. Three tiers have been identified based on the number of trips a project may generate. Projects in all three tiers are required to provide a basic site access and circulation analysis, including an evaluation of ingress and egress, parking supply, and loading areas. This is referred to as a Local Traffic Assessment (or LTA). Projects in Tiers 2 and 3 are subject to additional requirements, potentially including level of service assessments, additional intersection evaluation, and an evaluation of cumulative trips. Projects meeting certain criteria may also be required to evaluate their impact on vehicle miles traveled (VMT). A flow chart in the TIA Guidelines (page 7) indicates the level of analysis required.

The Guidelines indicate the types of projects that would be exempt from VMT analysis. In addition, maps have been developed (see pages 10 and 11 of the Guidelines) showing where residential and job-generating projects would be exempt from VMT analysis based on the characteristics of these areas. For instance, areas near SMART stations are exempt from the VMT analysis requirements due to opportunities for transit and non-motorized trips.

The recommended process for conducting a TIA is included in the Guidelines (page 13). This includes determining the scope of the analysis, assessing existing conditions (including traffic counts), assessing conditions without the project, calculating the project's impacts, and identifying appropriate improvement measures. Provisions for coordinating with other jurisdictions also are included.

Specific direction is provided on how to estimate the number of "person trips" and "vehicle trips" a project will generate, including guidance for projects with atypical peak hours. Direction is also provided to adjust trip rates to account for activities that may already be present on a project site (i.e., "credits") and to allow for reduced trip rates in areas where a high percentage of trips can be made by walking, bicycling, and transit. The Guidelines also address ways to reduce the number of trips a project may generate through transportation demand management (TDM) programs.

The second half of the Guidelines focuses specifically on how to conduct a "non-CEQA Transportation Impact Analysis" (page 21) and a "CEQA Transportation Analysis." Guidelines for the non-CEQA studies address the Local Traffic Assessments (LTAs) that are required for small projects and the Traffic Impact Analysis (TIAs) required for larger projects.

Every LTA and TIA must address General Plan consistency, parking, loading, on-site circulation, pedestrian/bike and transit provisions, trip reduction measures, safety issues, truck trips, and impacts on nearby intersections. An analysis of access and internal circulation also is required. The Guidelines provide direction on the time periods to analyze, the number of scenarios to evaluate, acceptable ways to collect data, the software to use, and the method for evaluating traffic operations, including signals and stop-sign controlled intersections. Special provisions are included for congested conditions, roundabouts, and potential impacts on Congestion Management Program road segments. The LTA ultimately should identify any deficiencies, as well as improvements and fees that may be incorporated as a condition of approval to address deficiencies. A menu of "example improvements" is included (page 33).

The Guidelines for CEQA-related traffic analyses are focused on VMT. The Guidelines first cover land use projects (for instance, residential and commercial developments), and then transportation projects (for instance, road widening or bicycle lane projects). A detailed methodology is spelled out for both types of projects. The initial step is to “screen out” projects that do not need to prepare a VMT analysis, such as those near SMART or those below defined thresholds.

Non-screened projects must evaluate VMT generated by the project, as well as the ways the project could change VMT on the greater regional road network. The analysis must address the baseline year, plus Year 2040 conditions. The Guidelines includes qualitative and quantitative thresholds for determining if an impact is “significant” under CEQA, as well as mitigation measures that may be used to reduce impacts. These measures include design changes, changes to parking, improvements to non-vehicular travel modes, and TDM programs.

The TIA Guidelines do not require formal adoption by the City Council and may be modified in the coming months based on public comment and real-time experience. Public comment is invited and encouraged during the initial roll-out period. An opportunity for public comment and questions will be provided following the Progress Report presentation on April 5.

COMMUNITY OUTREACH:

A public notice of this meeting was mailed to stakeholders, agencies, and special interest groups 15 days prior to this meeting. Those noticed included, among others, all neighborhood associations in the city, the San Rafael Chamber of Commerce, and members of the General Plan 2040 Steering Committee. Notice of this report was also provided on the General Plan 2040 [meetings and events webpage](#).

FISCAL IMPACT:

This progress report is informational and has no fiscal impact on the City budget.

RECOMMENDED ACTION:

Accept Report

ATTACHMENTS:

1. Transportation Impact Analysis (TIA) Guidelines

City of San Rafael Transportation Impact Analysis Guidelines

Prepared for:
City of San Rafael

March 2021

SF20-1125

FEHR  PEERS

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Attachments

Attachment A: Site Access and Circulation Plan Review

Attachment B: Transportation Impact Analysis Report Outline

Attachment C: List of Transportation Projects Exempt from Environmental Analysis (CEQA)

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Introduction

Transportation Impact Analysis (TIA) Guidelines

The TIA guidelines define how to evaluate a project's effect on transportation access and circulation for all travel modes. The analysis may focus solely on the project site and access points and may also include an evaluation of the nearby transportation system to ensure infrastructure supports the traveling public.

The Transportation Impact Analysis (TIA) Guidelines provide a clear and consistent technical approach for projects that could have transportation effects (adverse or beneficial) on the City's transportation system and services.

A transportation impact analysis provides essential information for decision-makers and the public when evaluating individual development, small- and large-scale area plans, and transportation infrastructure projects. A transportation impact analysis for projects in San Rafael serves three primary purposes:

- Evaluate a project's consistency with the City's *General Plan*.
- Evaluate a project's consistency with the Transportation Authority of Marin Congestion Management Program (CMP).
- Provide an evaluation of significant impacts and mitigation measures per the California Environmental Quality Act (CEQA).

Outcomes of the transportation impact analysis process include conditions of approval and/or mitigation measures under the California Environmental Quality Act (CEQA) that result in changes to the project site plan or program, or the implementation of off-site transportation system improvements.

Intent of the Guidelines

The Mobility Element in San Rafael General Plan 2040 seeks to improve multimodal access to key destinations in ways that are safe, efficient, and affordable yet also support the City's climate action and environmental quality goals, economic vitality goals, and social equity goals. The TIA Guidelines support these goals by evaluating new projects against the policies of the *General Plan* and other relevant documents, including but not limited to the Downtown Precise Plan (2021), the Climate Change Action Plan 2030 (2019), the Bicycle and Pedestrian Master Plan (2018), and the Downtown Parking/Wayfinding Study (2017).

For environmental analysis, the TIA Guidelines incorporate California's Senate Bill 743 (SB 743) and subsequent changes to CEQA Guidelines where vehicle delay is replaced with vehicle miles traveled (VMT).

The TIA Guidelines outline the City's approach for determining the need for a transportation analysis, its content, and identifying acceptable transportation improvements for land use and transportation projects proposed within San Rafael. The TIA Guidelines establish protocols for performing the following:

- Local Traffic Assessments (LTA) for projects
- Transportation Impact Analysis (non-CEQA) for City's *General Plan* and CMP consistency analysis.
- Transportation Impact Analysis for analyzing and determining impacts under CEQA.

City staff will review transportation studies and reports based on the process presented in these guidelines. ***However, each project is unique, and the TIA Guidelines are not intended to be prescriptive beyond practical limits. Not all criteria and analyses described in these guidelines will apply to every project. Early and consistent communication with the Community Development Department and Public Works Department staff is encouraged to confirm the type and level of analysis required for each study.***

The resulting TIA document is intended to provide decision-makers with information about the transportation system impacts of a project and, when appropriate, recommend conditions of approval, or identify mitigation measures under CEQA.

Environmental Evaluation

SB 743 changed some of the transportation significance criteria used in CEQA analyses. Specifically, vehicle level of service (LOS) is no longer used as a determinant of significant environmental impacts, and a VMT analysis is required. These guidelines outline the required methodology and thresholds with which to evaluate projects consistent with the latest *CEQA Guidelines* (Governor's Office of Planning and Research, December 2018). Future updates in guidance by OPR on this topic are assumed to be incorporated herein.

Who can Conduct a TIA?

Only a Professional Civil Engineer or Traffic Engineer, currently registered and in good standing with the California State Board of Professional Engineers and Land Surveyors, may prepare a TIA for the City of San Rafael. The City of San Rafael may choose in the future to develop a pre-qualification process to identify consultants that may conduct traffic studies. The purpose would be to provide project applicants with a list of qualified consultants that have demonstrated knowledge of the guidelines and the ability to perform the multi-modal transportation analysis required.

Project Types

A transportation analysis is typically prepared for projects before a discretionary action is taken. The following types of projects, which involve development activity in and around San Rafael and affect the adjacent transportation system, may require a transportation analysis.

- **Land use entitlements** requiring discretionary approval by San Rafael, which includes *General Plan* amendments, precise roadway plans and specific plans (and related amendments), zoning changes, use permits, planned developments, site plan review committee approval, and tentative subdivision maps.
- **Land use activity** advanced by agencies other than San Rafael that is subject to jurisdictional review under state and federal law such as school districts, or advanced within San Rafael by agencies other than the City that is inconsistent with the City's *General Plan*.
- **Transportation infrastructure modification or expansion**, including proposed improvement projects on City roads, county roads and state highways that may impact City facilities and services. Roadway improvement projects that are identified in the *General Plan* and evaluated in the *General Plan EIR* are subject to tiering for CEQA purposes. Such transportation projects would not require a TIA. Capital improvement projects (CIP) would address CEQA as required but would not prepare a TIA. Certain projects fall under the purview of the state, whereby comments are typically received from Caltrans will require a level of impact analysis upon state facilities such highways, freeways, ramps and intersections.
- **Controversial projects**, including projects that may present controversial comments and concerns as driven by adjacent communities or organizational groups.
- **Subsequent phased projects** are projects that were phased with no future plans of implementation or projects that remained stagnant for more than seven years.

The *Determining the Need for a Transportation Analysis* chapter identifies specific project parameters that may necessitate a transportation analysis.

CEQA and Non-CEQA Terminology

To distinguish the CEQA analysis from the non-CEQA analysis, the analyses apply different terminologies as summarized below in **Table 1**.

Table 1: Comparison of Select Non-CEQA and CEQA Terms

Non-CEQA Term	CEQA Term
Local Transportation/Operational Analysis	CEQA Transportation Analysis
Threshold or performance standard (LOS)	Significance criteria (VMT)
Substantial effect or deficiency	Significant impact
Required improvement	Mitigation measure
Existing Conditions	Baseline Conditions
Background Conditions	Not applicable

Determining the Level of Transportation Analysis

What level of transportation analysis is required?

The need for a transportation analysis may stem from General Plan consistency, CMP consistency, CEQA compliance requirements, projects that are controversial in nature, or some combination thereof. The scope of the content will vary based on the type and scale of the project per the City's established screening criteria.

The applied screening criteria varies by the type of analysis being completed. This section outlines the different screening thresholds for General Plan consistency, CMP consistency, and CEQA impacts. All projects need to document and justify the applied screening criteria for City review and concurrence. The process used to determine the level and type of analysis required is discussed below and illustrated in **Figure 1**, which helps determine if projects are a) subject to CEQA analysis and b) required to prepare a TIA or a simpler LTA. This screening is to be performed by Traffic Engineering staff in the Public Works Department, Planners in the Community Development Department, and/or consultants retained to assist City staff. Forms, see attached, are filled out by the planner with the project applicant or proponent.

Trip Generation Screening

The level of transportation analysis required for projects is generally based on the expected level of daily vehicle trip generation; however, there may be exceptions based on the project location, such as in close proximity to a school, or project characteristics, such as a high level of truck trip generation. For purposes of trip generation screening, estimates should be made using the most recent edition of the ITE *Trip Generation Manual* and should apply an existing use credit only for currently active uses. Additional internalization or mode adjustments may be considered by City staff in scoping the analysis but should not be included in initial assignment of a project tier. Phased projects should be assessed based on build-out conditions.

- **Tier 1: Less than 110 daily trips:** The transportation study focuses on site plan review and assessment of site integration within the existing transportation system. For most projects, this review would likely be conducted at the staff level. A threshold of 110 daily trips is the level under which no VMT analysis is required. The 110 daily trip threshold equates to approximately 10 single-family units, 15 multi-family units, office developments of up to 10,000 square feet, and retail uses up to 3,000 square feet. However, if the project is controversial in nature, level of analysis will be determined relevant to the expressed concerns. Projects of this size do not require a TIA or an LTA.
- **Tier 2: Between 110 and 1,000 daily trips and less than 100 peak hour trips:** The transportation study includes site plan review, site access assessment for all travel modes, and

may include intersection evaluation including level of service, vehicle queues, signal warrants and collision assessment for two to four intersections immediately surrounding the Project site. Most development projects in San Rafael are expected to fall within the Tier 1 or Tier 2 threshold. The 1,000 daily trip threshold equates to approximately 100 peak hour trips. Multi-family home developments up to 165 units, office developments up to 100,000 square-foot, and retail uses up to 25,000 square feet (not accounting for pass-by trips) would fall into the Tier 2 level of analysis category. Projects of this size require an LTA and may require a TIA; projects of this size are also required to undergo additional assessment for CEQA applicability.

- **Tier 2A: Between 110 and 250 daily trips and less than 25 peak hour trips:** In most cases, projects of this size will require an LTA only, as the addition of fewer than 25 vehicles to the roadway network across the peak hour is unlikely to lead to congestion or other traffic issues more than two blocks away from the project as traffic disperses, and the project is unlikely to add more than 20 vehicles to any single intersection.
- **Tier 2B: Between 251 and 1,000 daily trips:** In most cases, projects of this size will prepare a TIA with additional intersection analysis, although they may not need to prepare cumulative operational forecasts.
- **Tier 3: Greater than 1,000 daily trips or 100 peak hour trips:** The transportation study includes the elements discussed above, as well as additional intersection evaluation based on the expected influence of project trips. In addition, the study should discuss cumulative / long-term effects, and incorporate changes based on reasonably expected land use and transportation projects. This level of trip generation also meets the requirements for additional study in compliance with the Marin County CMP, and requires a TIA and CEQA review.

All projects are required to provide a site access and circulation analysis, including parking supply and loading evaluation to demonstrate that the project conforms to City policies and development standards as defined in the San Rafael Municipal Code. Key elements of this assessment are included in the checklist in **Attachment A: Site Access and Circulation Plan Review**.

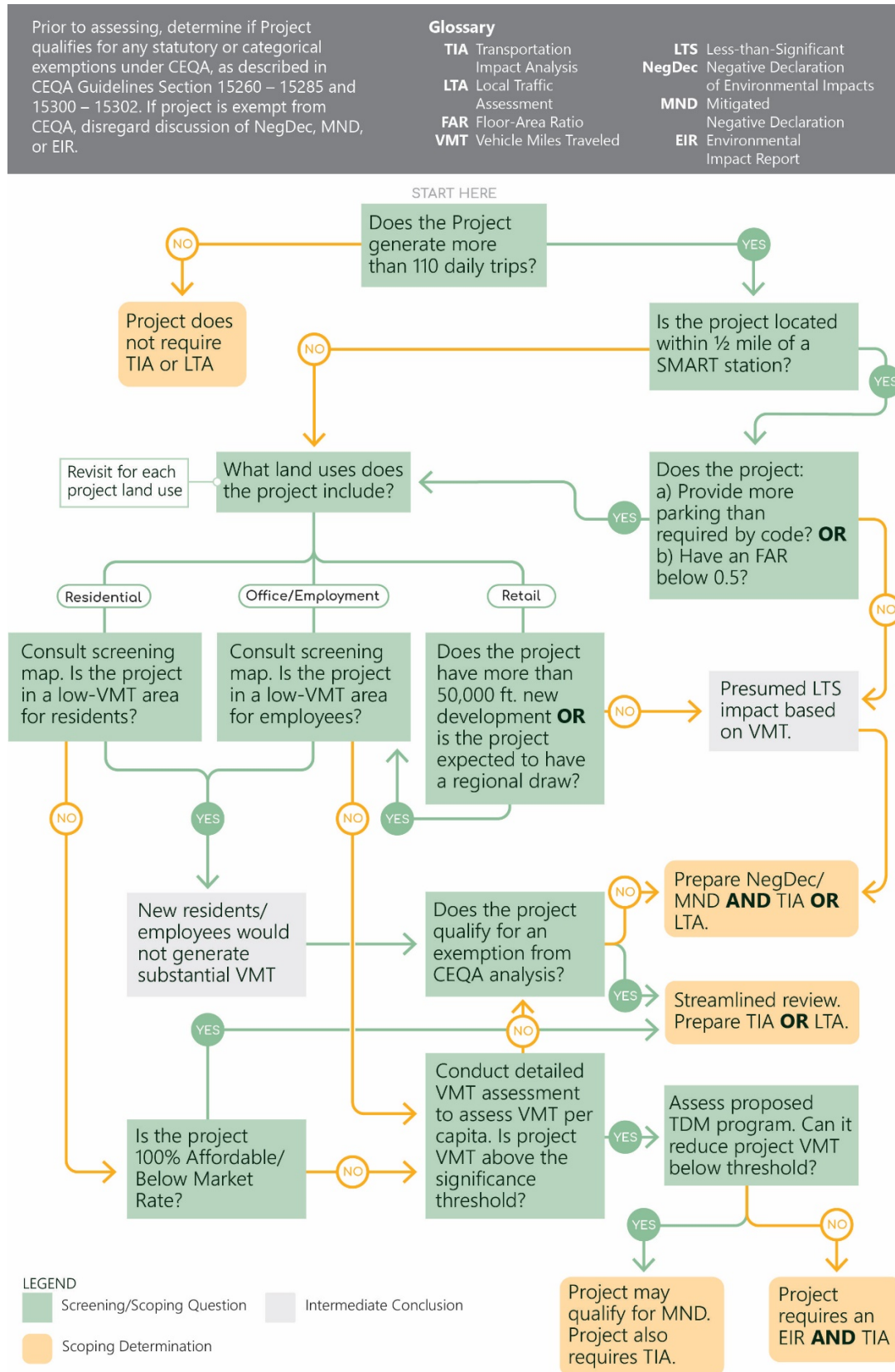
CEQA VMT Screening

Projects that meet certain screening criteria may be exempt from the preparation of a vehicle miles of travel assessment for CEQA transportation assessment purposes (VMT calculations may still be needed for air quality, noise and climate change evaluations). However, even if a project is exempt from VMT analysis, it may still be required to evaluate the following CEQA requirements:

- Conflicts with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadways, bicycle and pedestrian facilities
- Substantially increases hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment); or
- Results in inadequate emergency access.

CEQA screening criteria for land use and transportation projects are listed below. Projects that do not meet the screening criteria must conduct a VMT analysis [see *Transportation Analysis (CEQA) for Land Use Projects* and *Transportation Analysis (CEQA) for Transportation Projects* chapters].

Figure 1: Determining Level of Transportation Analysis and Initial VMT Screening



Land Use Project VMT Screening

Based on guidance from the State of California's Office of Planning and Research (OPR) *Technical Advisory* (December 2018, pages 13-15), land use projects that meet at least one of the following screening criteria are presumed to not require CEQA VMT analysis:

- **Transit Priority Areas (TPA):** Projects located within ½ mile walkshed around major transit stops¹ (i.e., the Downtown San Rafael and Civic Center SMART Stations) in San Rafael as shown on **Figure 2**. However, TPA screening will **not** apply if the project meets *any* of the following criteria:
 - The project has a Floor Area Ratio (FAR) of 0.75 or less;
 - The proposed parking exceeds the minimum required by the Zoning Code or applicable plan;
 - The Project is inconsistent with the *City's General Plan*, applicable Specific Plan, or applicable Sustainable Communities Strategy (as determined by the lead agency, with input from ABAG and MTC);
 - The Project removes or reduces the number of existing on-site affordable residential units; or,
 - Significant levels of VMT are projected through project-specific or location-specific information.
- **Affordable Housing:** 100% restricted affordable residential projects in infill locations (i.e., development within unused and underutilized lands within existing development patterns).
- **Small Projects:** Projects defined as generating 110 or fewer average daily vehicle trips, absent substantial evidence indicating that a project would generate a potentially significant level of VMT. Examples of projects that may generate less than 110 average daily trips include:
 - ~10 units of single-family residential
 - ~15 units of multifamily residential
 - ~10,000 square-foot office
 - ~15,000 square-foot industrial
- Each project is required to document the estimated number of trips it will generate.
- **Locally Serving Public Facility:** Locally serving public facilities that encompasses government, civic, cultural, health, and infrastructure uses and activity which contribute to and support community needs. Locally serving public facilities include police stations, fire stations, passive parks (parks designed for use in an informal way and typically less developed), branch libraries, community centers, public utilities, and neighborhood public schools.

¹ "Major transit stop" is defined in Public Resources Code 21064.3 as a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.

- **Neighborhood-Serving Retail Project:** Neighborhood-serving retail projects that are less than 50,000 square feet, which serve the immediate neighborhoods. Examples include dry cleaners, coffee shops, convenience markets, tutoring centers and daycare centers.²
- **Location in a Low VMT Area:** The project is located within a low VMT area for its land use, or a transit priority area, as shown in **Figure 2** or **Figure 3**. Based on information from the TAM model, certain areas of San Rafael have lower rates of VMT generation than others. In existing locations where VMT per capita is below the thresholds, projects may be screened from further VMT analysis. Figures 2 and 3, which show the ½ walking distance screening area for the Downtown San Rafael SMART Station and adjacent San Rafael Transit Center, will be updated if the future location of the San Rafael Transit Center when relocated differs substantially from its present location.

Each component of a mixed-use project is considered separately; therefore, each of the project's individual land uses should be compared to the screening criteria. It is possible for some of the mixed-use project's land uses to be screened out and some to require further analysis. In addition, projects that do not require CEQA VMT analysis may still require a transportation study to assess other CEQA considerations such as emergency access, design hazards, and consistency with plans and policies.

² Daycare centers of 7,500 square feet or less would apply to the screening criteria.

Figure 2: San Rafael VMT Screening Map (Residential)

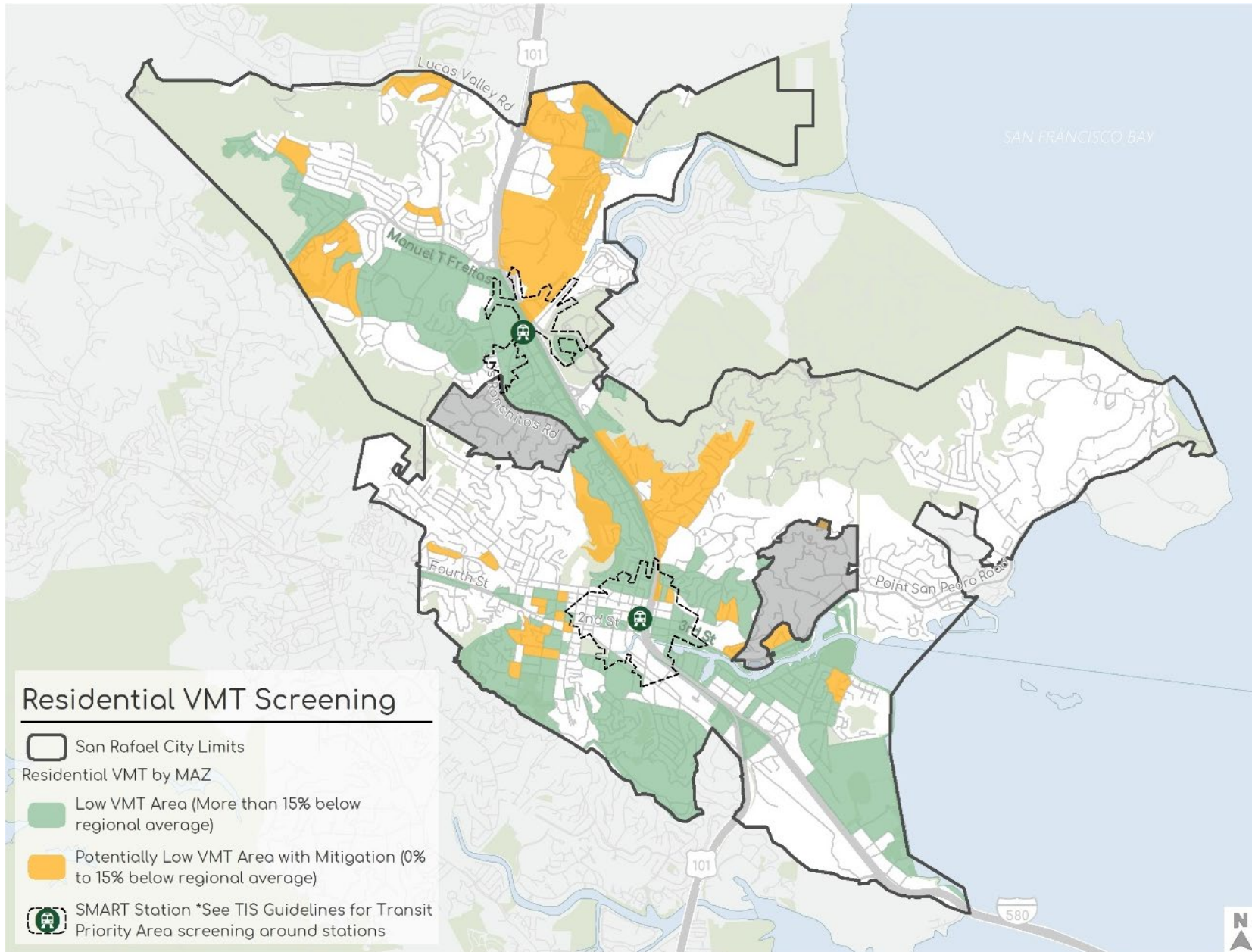
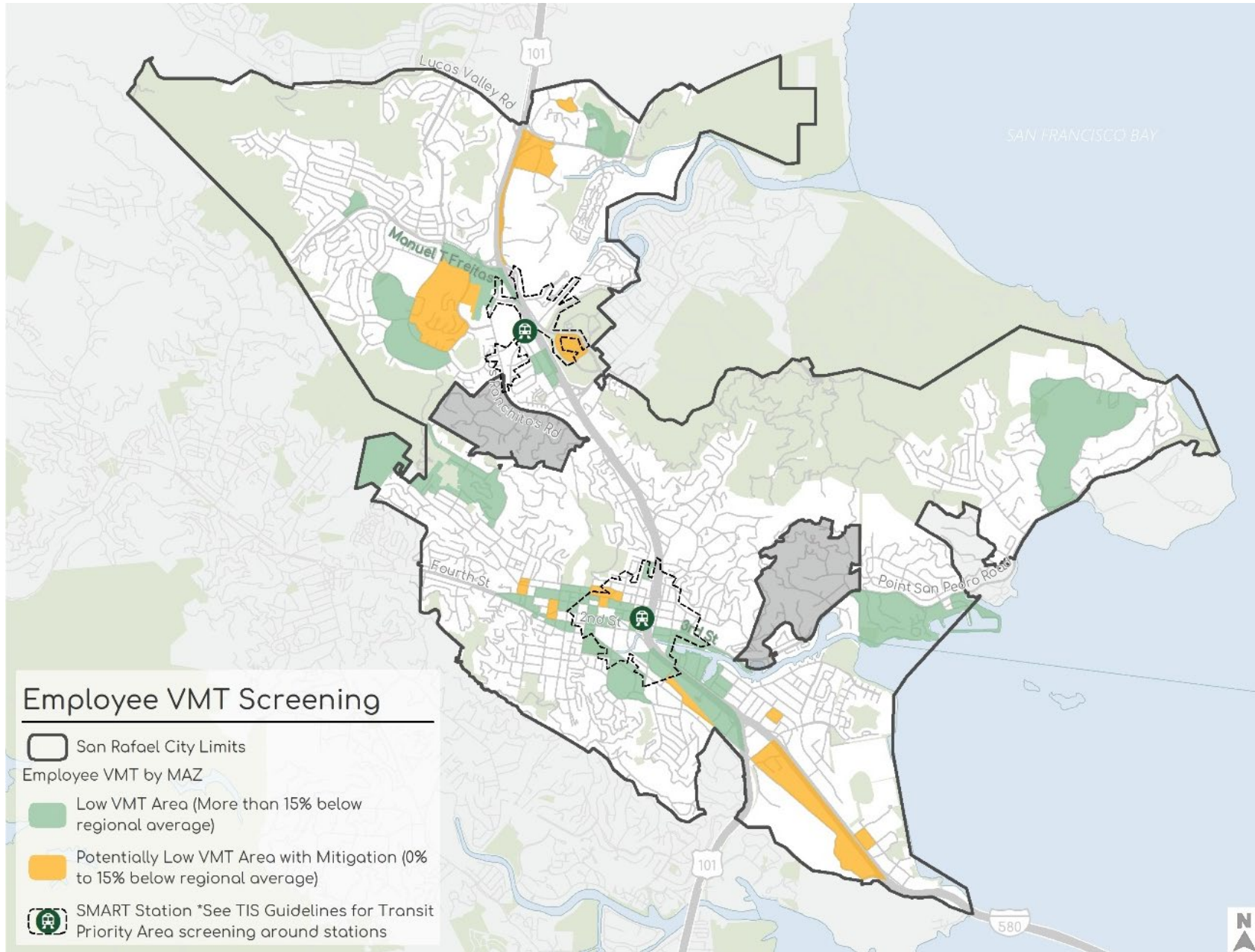


Figure 3: San Rafael VMT Screening Map (Employment)



Recommended TIA Process and Documentation

The project applicant shall retain a professional transportation consultant to conduct the required transportation analysis; the City may seek to develop a list of qualified firms and it is the applicant's responsibility to ensure that the selected firm is acceptable to the City. The firm shall be licensed to perform such work in the State of California, and its preparation shall be overseen by a licensed Professional Engineer or Traffic Engineer. The applicant's consultant should seek City acceptance of the scope of work before initiation. In some cases, review by other affected jurisdictions will be required. **Attachment B: Transportation Analysis Report Outline** contains a recommended outline for the transportation analysis documentation, while the overall process for analysis is outlined in **Figure 4** through a simplified flow chart. The process for each individual project will be unique and based on the judgment of Community Development Department and Public Works staff; in particular, phased projects or large projects may evaluate a greater number of scenarios than shown in Figure 4.

Each transportation analysis will begin by preparing a scope of work that describes the project, site location, analysis methods, area-wide assumptions, study elements, study time periods, and transportation data collection methods. The transportation analysis scope of work along with initial estimates of the project trip generation, trip distribution, and VMT screening evaluation should be submitted to City staff for review and approval. Detailed guidance on selecting elements for inclusion in the analysis is presented in the *Scope of Analysis* section, beginning on page 21 of this document.

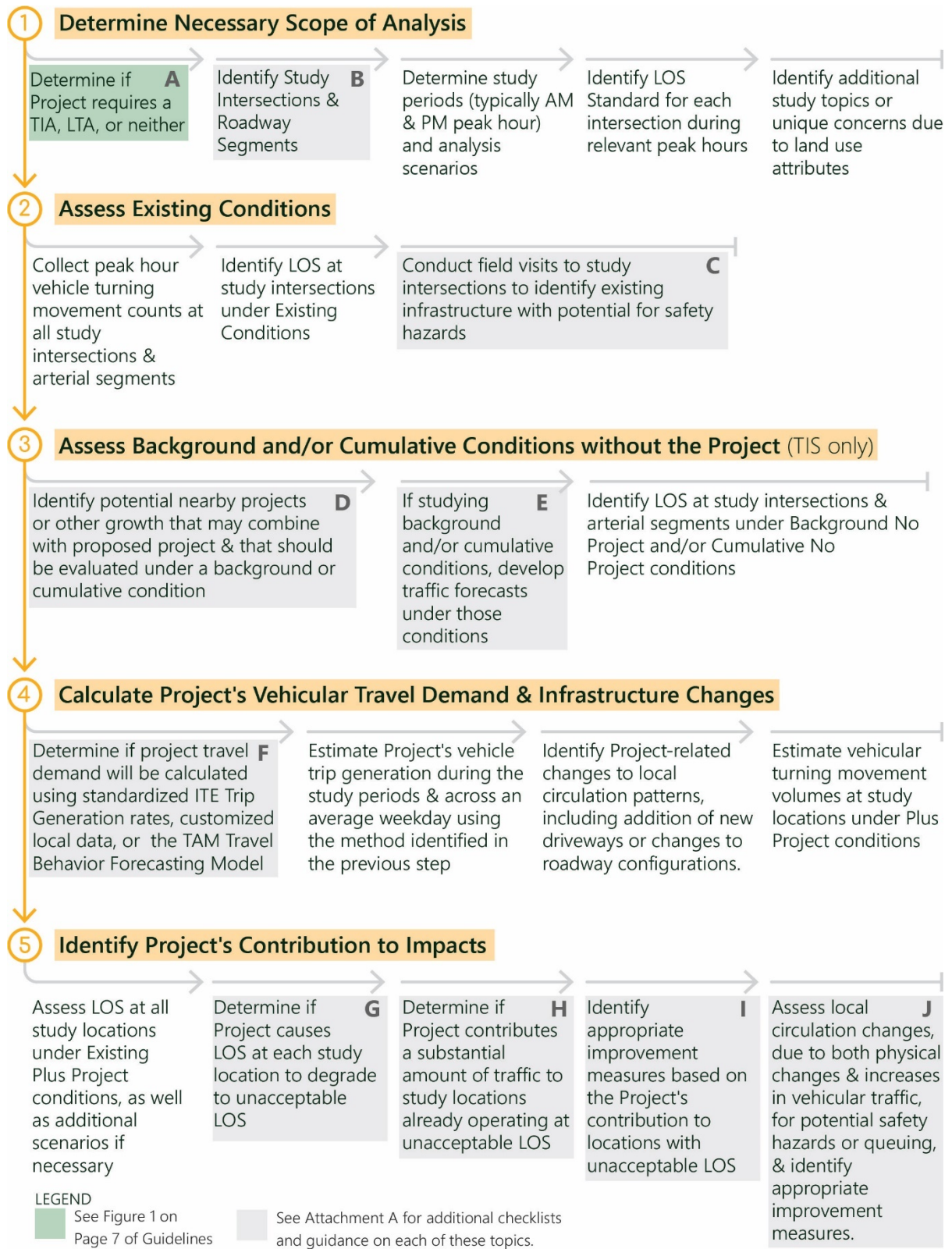
Role of City Staff

The transportation analysis will be prepared at the direction of City Public Works and Community Development Department staff. This will ensure that potential transportation improvements and environmental impacts are considered as early as possible in the planning process. Development of a transportation analysis should include:

- Pre-application coordination, which will include a discussion of the TIA requirements.
- Approval of the scope of work, which includes field reconnaissance, trip generation, study area, analysis scenarios and parameters, data requirements, and provisions for pedestrian, bicycle and transit modes.
- Approval of the project trip generation (person and vehicle), trip distribution, and VMT approach and results.
- Review of all assumptions and the results of Existing Conditions analysis.
- Review of the administrative draft report, with adequate time for comments.
- Review of a draft report, with adequate time for comments.

If information from a transportation analysis will be incorporated into the transportation and circulation section of an environmental document (e.g., Initial Study, Mitigated Negative Declaration or Environmental Impact Report), the format of the transportation analysis report should be coordinated with the environmental consultant and City staff.

Figure 4: Flow Chart for Transportation Analysis and Documentation



Coordination with Other Jurisdictions

The need for coordination with other jurisdictions is a determination to be made by City staff based on a project location, size, and potential for impacting transportation facilities managed by other agencies. In general, coordination efforts would be limited to Tier 3 projects that generate more than 100 peak hour vehicle trips.

Section 15086 of the *CEQA Guidelines*³ shall be followed as the basis for satisfying coordination requirements for environmental studies. In most cases, overlap will occur for roadway system analysis (i.e., not VMT) but may also include impact analysis of active transportation modes (bicycling and walking), as well as transit system facilities and services. If the study area overlaps with other jurisdictions, staff from those jurisdictions must be consulted to verify study locations, analysis methodologies, and the substantial effect thresholds. As appropriate, adjacent jurisdictions should be contacted to provide current development applications. Caltrans should be consulted for Tier 3 projects that have the potential to affect the state highway system, including US-101 and I-580.

Roadway crossings of rail lines are another overlap area that may require coordination with the California Public Utilities Commission (CPUC), particularly for large projects with parking facility driveways located in close proximity to at-grade rail crossings. The focus of any analysis related to rail crossings should be on whether the current crossing complies with current design standards and if the project has the potential to result in vehicle queue spillback across an active crossing.

³ *The California Environmental Quality Act Guidelines*, California, 2019.

Trip Generation and Forecasting Tools

The local transportation analysis for General Plan and CMP consistency is based on vehicle trip generation, while CEQA analysis is based on VMT generation. This section describes how vehicle trip generation and VMT are estimated, and how cumulative traffic forecasts are developed.

Project Trip Generation

How do I Estimate the Project's Trip Generation Characteristics?

Person and vehicle trip generation rates are a way to estimate the number of expected pedestrian, bicycle, transit, and vehicle trips a proposed development will generate. These rates establish the basis of analysis for a proposed project and its effect on the transportation network. Person trip generation should be reported for walking, bicycle, and pedestrian trips; and vehicle trip generation should be reported for single-occupant, carpool, and transportation network company (TNC) (i.e., Uber/Lyft) trips.

Vehicle Trips

The state-of-the-practice is deriving vehicle trip generation rates from local empirical data, as this will provide the most accurate forecast for future land use vehicle trip-making. This typically requires surveying a similar existing land use at three unique locations to quantify the number of daily and morning, mid-day, and evening peak period person and vehicle trips generated.

The City understands that conducting new trip generation surveys may not be practical in all cases and that the latest Institute of Transportation Engineers' (ITE) *Trip Generation Manual* is a reasonable alternative when local data is not available. In the absence of empirical studies, the most recent vehicle rates published by ITE in the *Trip Generation Manual*⁴ or other relevant sources may be used for trip rate estimation. When using ITE rates, the time period selected should reflect peak travel periods on adjacent streets and care shall be exercised in utilizing rates developed from a small study size (fewer than 20 studies) or containing a low R² value (less than 0.75).⁵

In some cases, the peak hour of the generator may occur outside the typical peak commute hours and may require additional analysis (e.g., a regional shopping center on a Saturday or a school during the afternoon pick-up period).

⁴ *Trip Generation Manual* (10th Edition), Institute of Transportation Engineers, 2017.

⁵ R² is the coefficient of determination defined as the percent of variance in the dependent variable (number of vehicle trips) associated from the independent variable (size of the project).

The City reserves the right to require the project applicant to conduct local trip generation surveys for select projects depending on project characteristics as well as land use and travel conditions in the field.

Person Trips

If a project is located in an area where significant levels of walking, bicycling and/or transit use are expected, person trip generation should be presented for single occupant vehicles (SOV), carpool, rideshare, transit, bicycle, and pedestrian trips. Person trip generation rates should be developed from empirical studies, person travel survey data, or conversion of vehicle trip rates to person trip rates using a vehicle occupancy factor and adjustments based on travel behavior at the study location. In addition, person trip generation by mode may be derived using an approved analysis tool that incorporates data from the above sources. Either method may be used to apply a vehicle trip credit to the previously calculated vehicle trip generation totals using the processes discussed below.

Establishing Trip Generation Rates for an Unknown or Unique Use

For projects where the ultimate land-use is not certain (for example, a large subdivision of flexible commercial-industrial parcels), there are two options for establishing the trip generation rates:

- **Option 1:** City staff will recommend the use of the highest traffic intensity among all permitted uses to establish transportation impacts.
- **Option 2:** Estimates can be made using a lower intensity use if the City and developer establish a maximum trip allowance. Once a proposed land use has been identified, then 1) the subdivision trip generation allowance must be monitored by the City as development occurs; and 2) the transportation analysis may need to be updated.

Trip Rate Credits for Existing Uses

For trip generation estimates and subsequent level of service analysis, the estimate of new trips generated by the proposed development project may include credit for trips associated with existing uses on the site. Uses are considered as existing if they are actively present on the project site at the time data is gathered for the transportation impact analysis. Additionally, if a planned (but not constructed) use was already permitted for the site, the baseline for analysis may be the permitted use if all mitigation measures from the approved use remains applicable, subject to City staff approval.

For the evaluation of vehicle miles of travel, VMT credit for the prior use may be considered if that use was active within the past three years, and if a similar type use could reoccupy the building without needing to obtain a conditional use permit. However, this credit should only be applied to total project-generated VMT, and should not be included when calculating VMT per capita.

For the calculation of transportation fees, the net peak hour trips generated by a project would be determined by applying a credit for existing uses if that use was active within the past three years.

Multi-modal and Other Trip Rate Reductions for Standard ITE Rates

Standard rates published by ITE are generally developed for suburban sites where access is primarily made via personal automobile. The City of San Rafael recognizes that the rates may overstate the traffic impact for developments that contain a mix of uses (and “capture” some vehicle trips internally) or are in denser areas such as downtown San Rafael. Additionally, certain commercial land uses attract vehicles on the roadway, rather than generating new trips. This section discusses reductions that may be taken under these circumstances.

Internalization / Walking, Bicycling or Transit Trips

Internal or captured trips are trips that do not enter or leave the driveways of a project within a mixed-use development. They are similar to active transportation trips (e.g., walking or bicycling) or transit trips in a setting like San Rafael, where destinations may be reached on foot (a “park once” environment). These trips do not add vehicle traffic to the local roadway system. Trip rate reductions are allowed for internalization for internal trips at mixed-use sites or in downtown San Rafael. Specifically, trip generation estimates may use trip adjustments due to land use variables such as **Density**, **Diversity**, **Design** and **Destination** to enhance its sensitivity to the built environment. These four most commonly discussed built environment factors and their effects on vehicle trips are summarized below:

- Net Residential and Employment **Density** – A wide body of research suggests that, all else being equal, denser developments generate fewer vehicle trips per unit than less dense developments.
- Jobs/Housing **Diversity** – Research suggests that having residences and jobs in close proximity will reduce the vehicle-trips generated by each land use by allowing some trips to be made on foot or by bicycle.
- Walkable/Bikeable **Design** – Many pedestrian and bicycle improvement projects assume (supported by research findings) that improving the walking/biking environment will result in more active travel trips (e.g., walking, bicycling, etc.) and a resulting reduction in vehicle travel.
- **Destination Accessibility** – Research shows that, all else being equal, households situated near regional centers of activity generate fewer vehicle trips and VMT.

Other built environment factors such as demographics, distance to transit, and employment within 30 minutes by transit also affect vehicle trip-making. Reductions shall be based on empirical and peer-reviewed data, and quantitatively supported in the transportation analysis report. If trip rates are derived from a local survey of a similar land use or derived by a mixed-use trip generation estimator, additional trip reductions may be permitted based on location and other factors. Tools are available from ITE and other sources to estimate these reductions. City staff may provide direction on which analysis tools are most appropriate for a project’s transportation analysis.

Pass-by / Diverted Link

Restaurants, convenience stores, gas stations, banks, and similar commercial land uses often locate on high traffic volume roads to attract motorists already on the street. These attracted trips are not new traffic to the adjacent street system, but simply access a new use as part of their current travel path. These trips are known as pass-by trips. For commercial land uses on arterial or collector streets, a reduction for pass-by trips supported by analysis may be used. Analysis resources may include the *ITE Trip Generation Handbook* Chapter 10 or a documented and relevant study. To ensure adequacy of project driveways, the access analysis at these locations should reflect total site-generated trips, and not include any pass-by or similar reductions.

Diverted link trips are similar to pass-by trips in that they are vehicle trips already on the roadway network. However, the key difference is that diverted link (link meaning roadway) trips pull traffic from other roadways (not adjacent to the project site) onto the roadway(s) serving the development. Thus, these trips *do* add traffic to adjacent streets serving the site and should *not* be included as a reduction for the assessment of site access and circulation, but could be included as a reduction in the preparation of new vehicle trip estimates as inputs to air and noise analyses, and could also be considered in the VMT assessment.

As an example, a new gas station is proposed on a minor street one block away from a major arterial street. The trips that are attracted to the station site from existing traffic on the major arterial are diverted link trips. Those trips attracted to the site from existing traffic on the minor street in front of the new gas station are defined as pass-by trips. In both cases, these are not new trips to the overall network but come from existing volumes on adjacent or nearby roadways.

Transportation Demand Management Reductions

In addition to project characteristics that can reduce trip generation, transportation demand management (TDM) strategies can further reduce the vehicle trips from a project site such as:

- **Neighborhood / Site Enhancement** – Bicycle and pedestrian network, car sharing programs, traffic calming, and site design to support other travel modes;
- **Parking Policy / Pricing** – Parking supply limits, unbundled parking cost from property cost, and public parking pricing;
- **Transit System Improvements** – Built environment and access transit stop improvements; and,
- **Commute Trip Reduction** – Transit fare subsidy, employee parking cash-out, alternative work schedules, priced workplace parking, shuttles, and employer sponsored vanpools.

TDM strategies committed to by a project in their application and project description should be included in the analysis, with the corresponding recommended reduction in vehicle trip generation for each element clearly stated. Any trip rate reductions claimed for a TDM strategy are subject to approval by City staff and should be substantiated with either industry standard publications/tools (such as the *CAPCOA Guide to Mitigating Greenhouse Gas Emissions*, CalEEMod, etc) or local data. Trip

rate reductions associated with a TDM strategy are also subject to a monitoring plan, to be developed by the project applicant and modified based on review and comment provided by City staff.

VMT Estimation and Cumulative Travel Forecasts

To conduct transportation forecasts and VMT analysis that meets environmental regulatory conditions and provides a high level of confidence in the analysis results, analysts should follow state-of-the-practice or best practice methods for transportation forecasting.

For consistency, analysts are required to use the TAM Travel Demand Model or other model as approved by City staff, for large plans or projects⁶ that require a quantitative VMT assessment, and conduct checks to ensure it is sufficiently accurate and sensitive within the study area and for the types of land use and transportation changes associated with the project.

- Conduct sub-area validation of the community being studied, if necessary
- Prepare the following model runs
 - Baseline without Project
 - Baseline with Project
 - Cumulative without Project
 - Cumulative with Project

Consultants should contact TAM staff directly to coordinate the process and identify any related costs for obtaining VMT forecasts for large plans or projects using the TAM Travel Demand Model.

Depending on the specific year represented by “base year” conditions, model output may need to be adjusted to represent “baseline” conditions for CEQA purposes.

For small projects that require a quantitative VMT assessment or large projects where a travel demand model may not be appropriate, alternative methods for quantifying VMT may be used including applying daily trip generation forecasts, trip length data for comparable uses from the TAM travel model or other applicable data sources, and project population estimates.

⁶ Large plans or projects would generally include General Plan Updates, major General Plan Amendments, Specific Plans, and employment uses of 100,000 gross square feet or more.

Transportation Impact Analysis and Circulation Studies (non-CEQA)

What is included in a local transportation analysis?

The contents and extent of a transportation impact analysis depend on the location and size of the proposed development, the prevailing transportation conditions in the surrounding area, and the technical responses to address questions being asked by decision-makers and the public. In general, projects will prepare either:

- a. A Local Traffic Assessment (Tier 1 projects, Tier 2A projects, and Tier 2B projects in Downtown San Rafael); or,
- b. A Transportation Impact Analysis (Tier 2B projects outside of Downtown San Rafael and Tier 3 projects)

The City is committed to a balanced level of analysis for all modes of travel. The methods presented in this chapter include robust data collection and analysis techniques for pedestrian, bicycle and transit networks, in addition to vehicle circulation.

Scope of Analysis

Study Area

The study area can be thought of as the area of influence of a project and is determined by evaluating the project location and how it may affect all transportation modes and facilities. It is not simply a map showing where the project is located. Each local transportation analysis will consider the adjacent transportation system for site access and circulation of land development projects and street modifications for transportation projects.

Local Traffic Assessment

The study area for small projects should consist of, at a minimum, the roadways providing immediate access to the Project site, including any pedestrian, bicycle, or transit facilities. For most projects in this tier, analysis will focus on project driveways, and identify 2-4 intersections near the project to assess the effects on site access. This level of analysis is also appropriate for many projects located within Downtown San Rafael.

Transportation Impact Analysis

In addition to the level of study required for a Local Traffic Assessment, the City may require additional off-site intersection analysis or other multimodal analysis. Generally, intersections within a one-mile radius that are known to currently operate at LOS D or worse based on previous studies, and where the project adds at least ten or more peak hour trips per lane to any movement should be

considered for analysis. The study area should include the nearest CMP facility or CMP-monitored intersection to evaluate the proposed project’s conformity with the CMP.

Applicants should consult with the City early regarding the study area and need for off-site multimodal analysis based on local or site-specific issues, especially those related to pedestrians, bicycles, rail crossings, and transit. The City requires the consultant to perform field reviews to completely assess existing conditions.

Key Study Elements

The extent and complexity of a transportation analysis can vary greatly. **Table 2** summarizes the potential study elements to be considered for every project that requires a complete transportation analysis, including both Site Access and Circulation Memoranda and Transportation Impact Analyses. Specific significance criteria for each of the listed elements are described in further detail in the *Transportation Analysis (CEQA) for Land Use Projects* and *Transportation Analysis (CEQA) for Transportation Projects* chapters. To avoid the potential for identification of substantial off-site improvements or changes to the project site plan/description after the transportation analysis is completed, a preliminary site-plan shall be included for a “fatal flaw” evaluation.

Table 2: Local Transportation Analysis – Potential Study Elements and Evaluation Criteria

Study Element	Evaluation Criteria
General Plan Consistency	Evaluate the project against goals, policies, and actions set forth in the <i>General Plan</i>
Parking (if required)	A parking assessment would only be required if a new use or a change in use is requested by the applicant as determined by City staff. Compare the project parking plan with City standards and expected demand and discuss how the proposed supply will affect demand for walking, bicycling, and transit modes. If a mix of land uses is proposed on-site, or complements adjacent land uses, justify how the development will make use of shared on-site parking.
On-Site Circulation	Review and evaluate site access locations, turning radii, truck loading areas, emergency access, and other site characteristics with respect to operations and safety for all modes of transportation. Projects with a drive-through component are required to evaluate vehicle queues at the drive-through. Projects with a gas station component are required to evaluate how fuel delivery trucks would access the site. The City may require other analyses based on specific uses. School TIAs will require on-site circulation plan integral to their preferred routes to school. Include on-site drop off / pick up plan.
Pedestrian Facilities	Identify any existing or planned pedestrian facilities that may be affected by the project. Document how the project will affect local pedestrian circulation (e.g., disclose how widening a road or adding a driveway will affect pedestrian safety and comfort).
Bicycle Facilities	Identify any existing or planned facilities (per <i>Bike Plan</i>) that may be affected by the project.

Table 2: Local Transportation Analysis – Potential Study Elements and Evaluation Criteria

Study Element	Evaluation Criteria
Transit	Identify any existing or planned transit facilities that may be affected by the project. If appropriate, document how the project improves access to or utilization of transit.
Trip Reduction Ordinance (TRO)	Evaluate project against trip reduction requirements of City of San Rafael Trip Reduction Ordinance.
Safety Assessment	TBD See attached
Trucks (or Other Large Vehicles)	For relevant industrial projects, identify the number of truck trips that will be generated, including STAA trucks, and design facilities necessary to accommodate these trucks.
Passenger Loading and Pick-up/Drop-Off	For projects that may have a large concentration of pick-up/drop-off activity, the project site circulation and pick-up/drop-off areas must be reviewed to identify opportunities and constraints of the project site. Modifications to the site circulation and/or pick-up/drop-off may be recommended. This analysis should include a discussion of TNC activity as appropriate.
Off-Site Traffic Operations	Vehicle Level of Service analysis should be conducted for all roadway segments and intersections included in the study area for Tier 2B projects outside of Downtown San Rafael and Tier 3 projects as determined by City staff. The City reserves the right to define the study area. All roadway facility analysis should be conducted using the latest version of the <i>Highway Capacity Manual (HCM)</i> unless other methods or tools that are more applicable to the study area or project context are approved by City staff.
Intersection Traffic Control	Evaluate unsignalized intersections located within the study area to determine appropriate traffic control. Analysis should consider the appropriateness of roundabouts as an alternative to traffic signals. See attached
Other Issues	Consider other issues on a case-by-case basis (e.g., construction deficiencies, queuing between closely spaced intersections, emergency access, special event traffic)
Other Jurisdictional Requirements	In situations where several agencies must approve a development or are responsible for affected roadways, the applicant must contact lead and responsible agencies to determine issues to be addressed, scope of study, etc. In general, the applicant will be responsible for analyzing project impacts against appropriate jurisdictional thresholds; however, the analysis method will be determined by the City in compliance with CEQA and the impacts will be mitigated consistent with City standards.

Multimodal Site Access and Circulation

A detailed multimodal site access and circulation plan review is required for all projects. The transportation analysis should include a review and summary of findings of the following qualitative

and quantitative features included in the checklist in **Attachment A: Site Access and Circulation Plan Review**.

An important aspect of a transportation analysis is to provide sufficient information for the City to determine if a project is consistent with the *General Plan*, other applicable City plans, and relevant design standards. Individual projects must be reviewed against relevant policies contained in the *General Plan* and other plans, policies, and standards. Applicants should review the full policy statements in the latest *General Plan Circulation Element*.

If the study area extends into an adjacent jurisdiction, the applicant may be responsible for analyzing project-generated operational impacts in these jurisdictions. These include intersection or segment locations in any other jurisdiction, including Caltrans-maintained facilities. The applicant shall refer to current policies in the respective jurisdiction to identify the appropriate significance criteria.

Details on how intersection and roadway segment LOS will be analyzed, and operations addressed, are discussed in the deficiency sections toward the end of this chapter. Per the *General Plan*, physical improvements focus on operational efficiencies (i.e., signal coordination, modified timings) and enhancements to improve bicycle and pedestrian travel as needed. Roadway expansions are considered in the developing areas of the City, consistent with major planned mobility improvements identified in the *General Plan*.

Analysis Time Periods

What time periods need to be analyzed?

Based on the land use of the proposed project and upon consultation with City staff, the study should typically analyze traffic operations during the peak one-hour of the following time periods:

- Weekday morning peak (7:00 – 9:00 AM)
- Weekday evening peak (4:00 – 6:00 PM)

For some projects, the City may substitute or require additional peak hour analysis for the following time periods.

- Weekday afternoon peak (2:00 – 4:00 PM)
- Friday evening peak (4:00 – 7:00 PM)
- Weekend mid-day peak (11:00 AM – 1:00 PM)
- Sunday or holiday evening peak (4:00 – 7:00 PM)

For example, retail commercial projects that are 100,000 square feet or larger should evaluate operations for Saturday mid-day peak hour conditions, in addition to the standard weekday morning and evening peak periods. The determination of study time periods should be made separately for each proposed project based upon the peaking characteristics of the project-generated traffic and peaking characteristics of the adjacent street system and land uses.

Scenarios for Local Transportation Analysis (non-CEQA)

How many local transportation analysis scenarios are required?

When a LOS analysis is required, the range of analysis scenarios is dependent on several factors:

- Project size and complexity
- Planned construction schedule (i.e., phasing)
- Location and potential impact relative to other approved development
- Consistency with the *General Plan*
- Consistency with the CMP

The range of scenarios includes Existing Conditions (typically for projects that generate between 110 and 2,000 daily trips), Background Conditions (potentially some that generate between 110 and 2,000 daily trips, and all projects that generate more than 2,000 daily trips), and Cumulative Conditions (all projects that generate more than 2,000 daily trips). Projects consistent with the *General Plan* will only be required to complete the Existing and Background conditions analysis; where Existing Conditions looks at the effect of the proposed project on the existing system within the next year or two, and Background Conditions typically looks at a longer time frame of about three to five years. Inclusion of all three analysis conditions (e.g., Existing, Background, and Cumulative), would typically occur for large development projects, General Plan Amendments, Precise Plans, and Specific Plans (and related amendments), with Cumulative Conditions having a time horizon of 15 to 20 years.

The following analysis scenarios will document existing or future conditions, any deficiencies, and identify deficiencies that will result from the addition of the project. Each scenario will include a qualitative description of transportation facilities for all modes (and any planned enhancements), traffic volumes, and a quantitative analysis of intersection LOS. Key study elements are identified in the *Multimodal Analysis Methods* section of this chapter. Details regarding each transportation analysis scenario are presented below.

Existing Conditions

Existing without Project

These conditions are based on recent field observations and recent (less than two years old) traffic count data.

Existing with Project

Traffic volume forecasts for roadway analysis reflecting Existing Conditions with traffic generated by the proposed project. For re-use or conversion projects, this will involve accounting for any existing use of the site that remains or will be removed. It should also qualitatively describe how the project will affect transportation for other modes including compliance or relation to other City documents. For phased projects, this will likely incorporate only the first phase, with later phases assessed against background conditions.

Background Conditions

Background without Project

Traffic volume forecasts for roadway segment and intersection analysis should reflect Existing Conditions with growth due to approved development that is expected to be operational before or concurrently with the proposed project. This scenario may not be needed if the study area has limited or no approved developments. A list of approved and pending projects can be obtained from City of San Rafael Community Development Department.

Background with Project

This scenario represents the Background Conditions with vehicle trips added by the proposed project. This scenario provides decision-makers and the public with a view of conditions with all recently approved development and physical improvements including the proposed project. For phased projects, there may be multiple Background plus Project scenarios representing individual phases.

Cumulative Conditions (General Plan Amendments and Specific Plans)

Cumulative without Project

Transportation conditions for all travel modes in the study area reflecting all approved projects, pending projects, or expected development of other areas of San Rafael designated for growth under the *General Plan*. In most cases, the project site will likely be vacant under this scenario. In some cases, this scenario may need to account for any existing uses on the site that could continue, and potential increases in development allowed by ministerial approvals.

Cumulative with Project

This scenario represents the cumulative future transportation conditions with anticipated changes to the transportation system and the additions of project trips and provides the long-range view of future traffic operations. For phased projects, this should reflect project build-out.

Data Collection

Accurate data is essential to achieve a high level of confidence in transportation analysis results. Existing transportation data shall be collected using the requirements set forth below. Data should be presented on maps or figures where appropriate. To address the specific needs of each project, the extent of data collected shall be at the discretion of City staff.

- **Pedestrian/Bicycle Facilities** – The report will document the existing pedestrian and bicycle facilities serving the project site. Elements will include presence and width of sidewalks, curb ramps, crosswalks or other pedestrian facilities within ½-mile walking distance of the project site, and bicycle facilities (e.g., routes, lanes or shared use paths) within a two-mile bicycling distance of the project site. Document barriers, deficiencies and high-pedestrian demand land uses including schools, parking, senior housing facilities, and transit stops or centers. Consider using evaluation tools such as www.walkscore.com or similar tools to quantify walkability. The

- report will note any deficiencies or enhancements planned or recommended in the *Bicycle Master Plan* or other planning documents.
- **Transit Analysis** – The report will document transit lines that serve the project site (e.g., within ½-mile walking distance), including stop locations, frequency of service, and any capacity issues. It will also describe transit stop amenities (e.g., benches, shelters, etc.).
 - **Multimodal Peak-Period Turning Movement Counts** – Turning movement counts, including vehicles, heavy vehicles, bicycles, and pedestrians, will be collected for each study time period at all study intersections. The following parameters will be followed:
 - Data collection will cover at least two hours to ensure the peak hour is observed.
 - Traffic volumes should not be influenced by a holiday, weather, construction, or other temporary change, and should occur when area schools are in typical session.
 - The percent of traffic that consists of heavy trucks will be noted/estimated during data collection.
 - Some projects may require vehicle classification or occupancy counts. Consult with City staff on a case-by-case basis.
 - Traffic counts that are older than two years at study initiation will not be used without consultation and approval by City staff. These counts may need to be re-counted or adjusted to reflect current year traffic volumes.
 - **Roadway Geometry** – Document existing roadway and intersection geometries and lane configurations. Information from aerial photography and street views should be verified based on a site visit(s).
 - **Intersection Controls, and Signal Timings** – For use in intersection analysis, intersection control types and signal timings and phasing should be based on signal timing sheets (available from City of San Rafael or Caltrans) and verified during site visits.

Traffic Operations Analysis

Traffic operational deficiencies shall be analyzed using standard or state-of-the-practice professional procedures. The main issues related to traffic operations analysis are the method, input data, and assumptions. These three items influence the level of confidence and the associated level of defensibility of the transportation analysis. For traffic operations, this requires following the procedures and techniques published in the most recent *Highway Capacity Manual* (HCM).

Traffic Signal Parameters

Traffic signal parameters are as important as accurate turning moving counts for determining intersection LOS. As summarized in **Table 3**, the following intersection data should be collected and/or calculated along with the traffic counts. Traffic signal timing information should be collected from City, County, or Caltrans staff, and verified by field observations.

Table 3: Traffic Signal Parameters

Parameter	Recommendation
Peak Hour Factor (PHF)	PHF for Existing Conditions should be collected and calculated from the traffic count data. It should be calculated individually for each isolated intersection and grouped for closely spaced intersections. For cumulative scenarios or Existing Conditions where the PHF is not available, refer to the most recent <i>Highway Capacity Manual</i> (HCM) and maintain consistency throughout the analysis periods. If a simulation model is used for analysis, the PHF should be applied over more than a 15-minute period.
Saturation Flow Rate	A field measurement of the saturation flow rate is recommended in accordance with procedure in the HCM, Chapter 31, Signalized Intersections: Supplemental. For Cumulative Conditions, use the value recommended in the most recent HCM unless physical conditions and traffic controls warrant a change.
Yellow Phase	Ranges from three to six seconds, with longer values in this range used with phases serving high-speed movements. If a traffic signal is present under Existing Conditions, use existing yellow phase (HCM, Chapter 19).
All Red Phase	One second per phase (if a traffic signal is present under Existing Conditions, use existing length of all red phase). This phase may be greater on high-speed roadways.
Pedestrian and Bicycle Conflicts	Pedestrian and bicycle signal calls and crossing conflicts at intersections can increase delay for vehicles. Outside of dedicated phases, they generally conflict with right-turning motorists and motorists making permitted left turns. The volume of each should be collected during traffic counts and used in the analysis. Otherwise refer to the most current version of the HCM.
Cycle Lengths	Replicate existing cycle length and phasing (e.g., leading left turns) when possible. For new signalized locations, use the cycle lengths of the following three categories unless other cycle lengths can be justified through the traffic operations analysis. <ul style="list-style-type: none"> • In and around downtown – limit signal cycle lengths to 60 seconds or less. • In and around suburban areas – limit signal cycle lengths to 90 seconds or less. • Near freeway interchanges/regional commercial – limit signal cycle lengths to 120 seconds or less. Ensure that minimum pedestrian crossing times and bicycle clearance intervals are satisfied.
Heavy Truck Percentages	Based on the existing heavy-truck percentage and adjusted to account for future planned development. In general, heavy-truck percentages should be greater on truck routes and main thoroughfares than on local streets. Minimum recommended value is 2%.
Lane Utilization Factor	If applicable, adjust lane utilization factors based on field observations.

Evaluation of Side Street Stop-Controlled Intersections

In addition to reporting the worst individual approach delay, the delay for the overall intersection shall be calculated and reported. This information will allow reviewers to gauge potential impacts to individual approaches against those for the entire intersection.

Methodology and Software

Intersection operations shall be analyzed using Synchro unless an alternative analysis methodology is identified through consultation with City staff. **Table 4** provides a matrix of software options for analysis. Special conditions related to congested conditions, state highway facilities, and roundabouts are discussed in more detail below.

Table 4: Software Analysis Options

Software/ Method ¹	Traffic Studies		Roundabouts		Arterial/ Interchange Operations	Microsimulation Analysis ⁴		
	Operations ²	Signal Coordination ³	Planning	Design		Unique Geometrics	Heavily Congested Conditions	Multi- modal
Synchro/SimTraffic	X	X	X		X	X		
VISTRO/TRAFFIX	X		X					
HCS	X				X			
SIDRA for Roundabouts			X	X				
Microsimulation ⁵		X		X	X	X	X	X

Notes:

1. The most current version of analysis software (with updated software patches) should be used.
2. Appropriate for isolated intersection operations or for signal systems that are not coordinated.
3. Mandatory for coordinated signal systems to maximize vehicle progression.
4. Should be applied to analyzing operations of congested conditions or non-standard conditions where traditional analytical approaches may not be appropriate.
5. Specific software program selection should be conducted in consultation with the City and consider the types of technical questions being asked in the study and the modes to be included.

Congested Conditions

Analysts should note that the HCM recommends the use of simulation models to analyze congested conditions or closely spaced intersections. Because simulation tools (e.g., VISSIM, SimTraffic, etc.) can simultaneously evaluate vehicle interactions across a complete network (including the interaction of multiple modes), they can provide a more complete understanding of traffic operating conditions during peak congested periods and what may happen when a specific bottleneck is modified or eliminated. Specifically, care should be taken in analyzing intersection LOS at closely spaced intersections. In such cases, standard intersection analysis does not adequately show the compound effects of intersection delay.

The analysis of state highways, including freeways and on- and off-ramps, should be conducted consistent with CMP Guidelines.

Transportation Analysis Deficiencies

A transportation analysis evaluates all modes of transportation and includes analysis of elements such as parking and traffic operations that are not considered environmental impacts.

Roundabout Analysis

Typically, roundabout operations are analyzed in conjunction with a conceptual roundabout design. Different roundabout analysis methods (FHWA, Australian Gap Acceptance, UK Empirical, HCM 2010, and microsimulation) provide different delay results and corresponding capacities. The deterministic roundabout analysis methods described in the HCM can be used for roundabouts operating under low volume and isolated conditions (without influence from nearby intersections). HCM methods allow the use of calibration factors to reflect regional differences in roundabout capacity.

Calibration factors specific to California are available in the report *Roundabout Geometric Design Guidance, 2007*, California Department of Transportation Division of Research and Innovation. Roundabout queue lengths should also be reviewed to ensure they do not spill beyond available storage or interfere with overall operations of the roundabout and/or transportation system.

As described in the HCM, the use of alternative analysis methods is needed for complex multi-lane roundabout designs, roundabouts operating near or at capacity, high pedestrian and/or bicycle volume, and at roundabout locations where upstream or downstream operation may interact with adjacent roundabouts or signals. Microsimulation of the roundabout and surrounding intersections may also be useful. Care must be taken in coding and calibrating the microsimulation models to accurately reflect the proposed roundabout design and operational characteristics.

When comparing roundabout versus signal control at a given location, long-term maintenance costs should be estimated and considered in the evaluation.

Mobility Deficiency Criteria

Transportation analyses evaluate intersection operations focused on specific traffic issues such as queuing and safety. An emphasis is placed on pedestrian, bicycle, and transit facilities and services, in part to reduce traffic congestion and air quality impacts associated with automobile use. **Table 5** outlines deficiency criteria for each mode, with local analysis thresholds presented below. The mobility deficiency criteria can be used to identify conflicts with existing or planned multimodal facilities. Table 5 also notes if the criteria is applicable for CEQA review or for local transportation analysis review only. Level of Service (LOS) consistency determinations shall be made based on General Plan Policy M-2.5 that identifies thresholds and a process for locations that exceed the thresholds.

CMP Deficiency Criteria

To determine consistency with the CMP, off-site intersection analysis may be needed. The analyst should refer to the most current TAM Congestion Management Program policy document.

Improvements

When deficiencies are identified, improvements should be incorporated into projects either as conditions of approval or CEQA mitigation, presuming that they are deemed feasible and consistent with the General Plan. Applicants will also be required to pay all applicable local and regional transportation impact fees. To the extent a project is conditioned to construct an improvement project that is included within the local or regional fee program, a reimbursement agreement may be sought for a portion of the improvement project.

All project deficiencies should be addressed consistent with the policies of the *General Plan*. Under these circumstances, the applicant should meet with City staff to identify transportation improvements that address the deficiencies. **Table 6** shows example types of improvements to address transportation deficiencies. Potential improvements may require a more detailed review, often including traffic operations, to demonstrate how they address a specific deficiency. This list is not intended to be an all-inclusive list but provide some options to consider. All improvements are subject to review and approval by City staff.

Selected improvements should be identified whether they will be implemented under Existing Conditions, Background Conditions or Cumulative Conditions. Background Conditions generally reflect conditions at the time of full occupancy of a project.

If a transportation improvement is selected to address a deficiency, it should include a description of how the improvement contributes to the multimodal transportation system in San Rafael. In addition, all transportation improvements need to consider whether they have secondary effects to VMT [i.e., whether the improvement is VMT inducing per guidance in **Attachment C: List of Transportation Projects Exempt from Environmental Analysis (CEQA)**].

Table 5: Mobility Deficiency Criteria

Study Element	Deficiency Determination	Applicability
Parking	Project increases off-site parking demand above a level required by the City Zoning Code or estimated demand.	Local
On-Site Circulation	Project designs for on-street circulation, access, and parking fail to meet City design guidelines. Where City standards are not defined, industry standards (<i>Highway Design Manual</i> , MUTCD, etc.) should be referenced, as appropriate. Failure to provide adequate access for service and delivery trucks on-site, including access to loading areas. Project will result in a hazard or potentially unsafe conditions without improvements.	Local and CEQA

Table 5: Mobility Deficiency Criteria

Study Element	Deficiency Determination	Applicability
Pedestrian Facilities	Project fails to provide safe and accessible pedestrian connections between project buildings and adjacent streets, trails, and transit facilities. Project adds trips to an existing facility along the project frontage that does not meet current pedestrian design standards.	Local and CEQA
Bicycle Facilities	Project disrupts existing or planned bicycle facilities or is otherwise inconsistent with the <i>Bicycle Master Plan</i> or future plans. Project adds bicycle trips along project frontage to an existing facility that does not meet current bicycle design standards.	Local and CEQA
Transit	Project disrupts existing or planned transit facilities and services or conflicts with City adopted plans, guidelines, policies, or standards.	Local and CEQA
TDM Program	A project does not comply with the City's Trip Reduction Ordinance.	Local and CEQA
Heavy Vehicles (Trucks and Buses)	A project fails to provide adequate accommodation of forecasted heavy traffic or temporary construction-related truck traffic consistent with City or industry standards (<i>Highway Design Manual</i> , MUTCD, etc.).	Local and CEQA
Off-Site Traffic Operations	95 th percentile vehicle queues exceed the existing or planned length of a turn pocket or freeway off-ramp, resulting in a speed differential with the adjacent lane of travel; or where a queue exceeds the available storage without the project, project traffic increases the queue by more than 50-feet. The proposed project introduces a design feature that substantially increases safety hazards.	Local and CEQA
Intersection Traffic Control	Addition of project traffic causes an intersection to fail to maintain LOS Standards as specified in General Plan Policy M-2.5. If the intersection is already failing to maintain LOS standards under No Project conditions, a deficiency occurs if the project causes an increase in delay of five seconds or more at the intersection.	Local
General Plan Consistency	Evaluate the project against mobility, safety, and other related goals, policies, and actions set forth in the <i>General Plan</i> .	CEQA
Other Subject Areas	Consider other areas on a case-by-case basis (e.g., construction impacts, queuing between closely spaced intersections, emergency access, special event traffic, etc.).	Local and CEQA
Requirements for Other Jurisdictions	The project exceeds established deficiency thresholds for transportation facilities and services under the jurisdiction of other agencies.	CEQA

Table 6: Example Improvements

Study Element	Improvement
Project Modifications and Transportation Demand Management	<ul style="list-style-type: none"> • Alter density or diversity of project uses • Encourage flexible employee working hours • Allow parking “cash out” or require employee paid parking • Institute preferential parking for carpools • Encourage employees to use carpools and public transportation • Provide employee walk/bike incentives
Pedestrian and Bicycle Facilities	<ul style="list-style-type: none"> • Provide for access to, from, and through the development for pedestrians and bicyclist • Construct Class I bicycle paths, Class II bicycle lanes, and other facilities • Provide secure bicycle parking and shower amenities • Reduce travel lanes on a street to install a two-way left-turn lane and Class II bicycle lanes • Add corner bulbouts, reduce curb radii, add pedestrian refuges or implement other walking-related improvements • Dedicate right-of-way to provide bicycle or pedestrian facilities
Transit Facilities	<ul style="list-style-type: none"> • Provide bus turnouts, bus shelters, additional bus stops, and park-and-ride lots • Fund increases in transit service
Parking Facilities	<ul style="list-style-type: none"> • Design parking facilities to allow free-flow access to and from the street • Provide off-street parking per City standards or recommendations • Implement shared parking among complementary land uses
Traffic Control Modifications	<ul style="list-style-type: none"> • Provide for yield or stop control • Evaluate unsignalized intersections with substandard LOS for conversion to roundabout intersection control or for signalization. • Provide coordination/synchronization of traffic signals along a corridor • Provide turn-lane channelization through raised islands • Restrict selected turning movements
Street Operations Modifications	<ul style="list-style-type: none"> • Optimize location of access driveway(s) • Provide improvements to traffic signal phasing, or lengthen existing turning pocket • Provide additional through traffic lane(s), right-turn lane(s), and left-turn lane(s) if they do not adversely impact other modes or induce additional vehicle travel • Reduce travel lanes on a street to install a two-way left-turn lane • Congestion pricing on roads or within a specific area • Install a roundabout • Signalize an intersection, or replace a signalized intersection with a roundabout

Multimodal Analysis Methods

The report should provide a qualitative evaluation of the project's potential adverse or beneficial effects on transportation facilities and services related to pedestrians, bicycles, transit, and rail crossings.

For some projects, more detailed multimodal analysis may be required. Such analysis shall be decided upon in consultation with City staff and consider new tools, methods, and performance measures such as those listed below.

- **Multimodal LOS** – The *Highway Capacity Manual* (6th Edition) contains methods for multimodal LOS. Alternatively, simulation models can be used to measure performance (i.e., person-delay) for all modes within a transportation network.
- **Level of Stress (LTS)** – There are several methodologies for evaluating LTS for bicycle facilities. These methodologies generally rely on street widths/number of vehicle lanes, vehicle speeds, daily volumes, and type of bicycle facility to evaluate “low stress” bike networks.
- **Transit Capacity** – The project's person trip estimates can be used to forecast transit demand and evaluated against available transit capacity.
- **Activity Connectedness** – Travel time for each mode (e.g., walking, bicycles, transit, and vehicles) between the project and surrounding land uses can be used to gauge the degree of accessibility for a project. The City desires to minimize travel time to necessary destinations while minimizing unnecessary vehicle travel.

Tools such as geographic information systems or online tools (e.g., Index and Walk Score) can be used to gauge this measure specifically for walking. The main idea is to evaluate activity centers and destinations around projects to ensure that walk times to necessary destinations are minimized and the walking experience is comfortable.

Transportation Analysis (CEQA) for Land Use Projects

Does my land use project result in an environmental impact?

On September 27, 2013, Governor Jerry Brown signed SB 743 into law and started a process intended to fundamentally change transportation impact analysis as part of CEQA compliance. Specifically, **SB 743 removes the use of automobile delay, LOS, and other similar measures of vehicular capacity or traffic congestion for determining transportation impacts in environmental review.** According to the legislative intent contained in SB 743, the move away from LOS is necessary to more appropriately balance the needs of congestion management with statewide goals related to infill development, promotion of public health through active transportation, and reduction of greenhouse gas emissions.

The legislation also directed the State of California's Office of Planning and Research (OPR) to look at different metrics for identifying transportation impacts and make corresponding revisions to the *CEQA Guidelines*. OPR selected VMT as the preferred metric for assessing passenger vehicle-related impacts and issued revised *CEQA Guidelines* in December 2018, along with a *Technical Advisory: On Evaluating Transportation Impacts in CEQA* (December 2018) to assist practitioners in implementing the *CEQA Guidelines* revisions to use VMT as the new metric. The VMT methodology and thresholds are consistent with OPR's *Guidelines and Technical Advisory*.

Methodology

The following section provides details on if and how a VMT analysis should be conducted for land use plans and projects.

Initial Screening

San Rafael's VMT screening process for projects that can be presumed to cause a less-than-significant impact without conducting a detailed study is discussed on page 5. However, even if a project is exempt from VMT analysis, it may still be required to evaluate the following CEQA requirements:

- Conflicts with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadways, bicycle lanes, and pedestrian paths;
- Increases hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment); or,
- Results in inadequate emergency access.

Additionally, other non-CEQA analysis may be required based on the project type, location, and level of daily trip generation. All projects need to document and justify the applied VMT screening criteria.

Assessment for Non-Screened Projects

Projects not screened out through the criteria listed in the *Determining the Level of Transportation Analysis* section are required to complete a VMT analysis using the City of San Rafael General Plan Model to determine if there would be a significant VMT impact. The impact analysis includes two types of VMT:

1. **Project generated VMT** per service population. The project generated VMT method relies on tracking trips to/from an individual project. In simple terms, it looks at the total number and distance each trip travels divided by the service population (i.e., residents, employees, etc. as appropriate). As an example:
 - a. **Residential projects** should present home-based VMT per resident
 - b. **Office, R&D, and Industrial projects** should present work-based VMT per employee
 - c. **Retail projects** should present Total VMT per employee
 - d. **Mixed Use projects and Land Use Plans** should present Total VMT per service population and/or VMT metrics for each land use type evaluated individually against the above residential, office, and/or retail thresholds
 - e. **Other Land Use projects** may apply an ad hoc threshold as developed by City staff
 - f. **All other projects** should present total VMT per service population (where the service population is the sum of residents, employees, and students)
2. **Project effect on VMT** compares how the project changes VMT on the network looking at total citywide VMT per service population. This VMT applies what is known as the boundary method, which captures all VMT on a network within a defined boundary (i.e., Marin County or the Bay Area region). This VMT captures the project's overall influence on the VMT generation of surrounding land uses.

The types of VMT analysis should be evaluated for the following scenarios:

- **Baseline Conditions** evaluates project generated VMT. For the project scenarios the VMT generation by land use is compared to the regional average.
- **Year 2040⁷ Cumulative Conditions** evaluates project effect on VMT. The citywide total VMT per service population is compared between the "no project" and "plus project" scenarios.

The model output should also include total VMT, which includes all vehicle trips and trip purposes.

Scenarios for Transportation Analysis (CEQA)

Baseline Conditions

Baseline without Project

For compliance with CEQA Section 15125(a), the transportation impact analysis must include a description of the physical environmental conditions near the project, as they exist at the time the

⁷ The TAM Travel Demand model currently has a 2040 horizon year. The cumulative horizon year shall be updated to reflect the horizon year of the current version of the TAM model when a study is initiated.

notice of preparation is published, or if no notice of preparation is published, at the time environmental analysis is commenced, from both a local and regional perspective. Baseline VMT estimates will be prepared based on the most recent base year using the TAM travel demand model.

Baseline with Project

All projects that do not meet the VMT screening criteria are required to estimate project generated VMT for each land use type under Baseline Plus Project conditions. The project's land use characteristics will be entered into the model in the appropriate location, a model run will be completed, and the relevant VMT values will be generated.

Year 2040 Cumulative Conditions

Year 2040 Cumulative without Project

Projects requiring a General Plan Amendment are also required to evaluate the project effect on VMT under Year 2040 Cumulative Conditions. This scenario buildout of the region's land use and transportation system also provides the long-range view of future travel patterns. Cumulative without Project VMT estimates should be based on the horizon year of the San Rafael model, ensuring the model does not already contain the land uses or transportation improvements associated with the Project.

Year 2040 Cumulative with Project

The environmental analysis also must evaluate a project's effect on VMT (*CEQA Guidelines* Section 21100(b)(5)). The project generated VMT analysis considers all trips as new trips and does not consider how the project influences travel within San Rafael. The project's effect on VMT under Year 2040 Cumulative Conditions considers the project's influence on the VMT generation of surrounding land uses.

The cumulative project effect on VMT shall be estimated using the Marin County limit boundary and extracting the total link-level VMT for both the no project and with project conditions.

VMT Impact Criteria for Land Use Projects

The following outlines the VMT impact criteria for land use projects that do not meet the City's VMT screening criteria.

Project Generated VMT Impact Thresholds (Baseline Conditions)

Listed in **Table 7** are the land use project-level impact criteria under the Baseline scenarios.

Projects Effect VMT Impact Threshold (Year 2040 Cumulative Conditions)

The cumulative threshold for the project effect on VMT is no change to the City's per capita VMT applying the boundary method.

CEQA Thresholds of Significance

Based on the updated Appendix G Environmental Checklist Form and City of San Rafael policies, a significant transportation-related impact could occur if a project would:

- A. Conflict with a program, plan, ordinance, or policy addressing the circulation system, including roadway, transit, bicycle and pedestrian facilities.

Roadway System – The project would create a significant impact related to the roadway system if any of the following criteria are met:

1. At unsignalized intersections, the project results in any of the traffic signal warrants included in the *CA Manual on Uniform Traffic Control Devices* (MUTCD) to be satisfied, or for a location where any of the warrants are satisfied prior to the project, the project increases overall travel through the intersection by more than 1 percent.
2. The project creates the potential for excessive vehicle queue spillback that could periodically block or interfere with pedestrian, bicycle or transit facilities.

Transit System - The project would create a significant impact related to transit service if the following criterion is met:

1. The project interferes with existing transit facilities or precludes the construction of planned transit facilities.

Bicycle System - The project would create a significant impact related to the bicycle system if any of the following criteria are met:

1. Disrupt existing bicycle facilities;
2. Interfere with planned bicycle facilities; or,
3. Create inconsistencies with adopted bicycle system plans, guidelines, policies, or standards.

Pedestrian System - The project would create a significant impact related to the pedestrian system if any of the following criteria are met:

1. Disrupt existing pedestrian facilities; or
2. Interfere with planned pedestrian facilities; or
3. Create inconsistencies with adopted pedestrian system plans, guidelines, policies, or standards.

- B. Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b).⁸

⁸ This section of the CEQA Guidelines relates to the evaluation of vehicle miles of travel (VMT).

- C. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)
- D. Result in inadequate emergency access

These criteria should be cross-referenced with the information presented in Table 5 as additional specific criteria may need to be evaluated depending on the project.

Mitigation Measures

When VMT impacts are identified, there are currently two types of project-based mitigation measures to consider:

- Physical Design at the project site (land use or transportation);
- Changes in project parking supply (relative to standard parking demand);
- Regional programs or facilities improvements (such as bicycle and pedestrian facilities); and,
- Transportation Demand Management (TDM).

Project-based features consider whether modifying the project in some way could reduce VMT. The four basic modifications include changing the physical land use or transportation network design of the project, reducing the project's parking supply relative to industry standard rates, contributing to regional programs and facilities, or implementing transportation demand management (TDM) strategies such that residents, workers, or visitors of the site could make fewer or shorter vehicle trips.

When VMT impacts are identified, applicants shall coordinate with the City on the most appropriate VMT mitigation measures. To reduce an impact to less-than-significant levels the applicant would need to demonstrate, through substantial evidence, that the VMT would be reduced to the City's identified thresholds. Methods for calculating a VMT reduction based on parking reduction or the introduction of TDM measures should be substantiated through external sources such as the CAPCOA *Guide to Mitigating Greenhouse Gas Emissions* and CalEEMod, or through reliable local data and case studies.

It should be noted that program-based mitigation measures such as VMT impact fees, exchanges, and banks, are an emerging concept that will likely evolve over the next few years; this includes mitigation through contribution to regional programs or infrastructure. Since these are newer concepts and the City and/or County has not implemented such program-based mitigation measures, these are currently not valid options for consideration in San Rafael. The City will update these guidelines to incorporate program-based mitigations measures as they become available.

Table 7: VMT Impact Criteria for Land Use Projects under Baseline Conditions

Project Type	Significance Criteria	Current Level	Impact Threshold
Residential	A project exceeds existing regional home-based VMT per capita minus 15 percent.	13.4 Home-based VMT per Capita (Average)	11.4 Home-based VMT per Capita
Office	A project exceeds regional home-based work VMT per employee minus 15 percent.	16.9 Home-based work VMT per Employee (Average)	14.35 Home-based work VMT per Employee
Retail	Project Total VMT rate exceeds 15 percent below existing Regional average rate (per employee)		
Mixed-Use	<ul style="list-style-type: none"> Aggregate metric (VMT per service population) rate exceeds 15 percent below existing regional average rate Each land use type evaluated individually against residential, office, and retail thresholds above 		
Other Land Use Types	City to develop ad hoc (i.e., project specific) VMT threshold		
Redevelopment	If a redevelopment project leads to a net overall increase in VMT, based on evaluation of individual land uses, project exceeds respective thresholds above for applicable land-use types		
Land Use Plans	<ul style="list-style-type: none"> Aggregate metric (VMT per service population) exceeds 15 percent below regional average rate Each land use type evaluated individually against residential, office, and retail thresholds above 		

Transportation Analysis (CEQA) for Transportation Projects

Transportation projects have the potential to change travel patterns and may lead to additional vehicle travel on the roadway network, also referenced as induced vehicle travel. This is particularly true for roadway capacity expansion projects.

Does my transportation project result in an environmental impact?

Project types that would likely lead to a measurable and substantial increase in vehicle travel generally include addition of through lanes on existing or new highways, including general purpose lanes, HOV lanes, peak period lanes, auxiliary lanes, or grade separated interchanges. For transportation projects that increase roadway capacity, the VMT estimates and forecasts will also need to include induced travel effects. However, not all roadway projects lead to induced travel.

Methodology

The following sections provides details on if and how a VMT analysis should be conducted for transportation projects.

Screening Criteria

OPR's *Technical Advisory* identifies specific types of transportation projects that would likely lead to an increase in VMT, and, therefore, should undergo analysis. Transportation projects relevant to the City of San Rafael include:

- Added travel lanes;
- New roadway connections, including new roads or freeway overpasses; and,
- Lanes through grade-separated interchanges.

The General Plan 2040 EIR includes a Road Network VMT impact assessment for the 3.8 new lane miles of added roadway capacity that would result from the construction of new road improvements listed in Table 10-1 (Major Planned Mobility Improvements, 2020-2040) of the Mobility Element of the San Rafael General Plan 2040. The EIR analysis addresses the induced vehicle travel effect due to roadway system expansion that is not fully accounted for in travel demand models, estimating that the new lane miles of added road capacity would induce approximately 15.2 million additional VMT per year, or about 50,500 VMT on a daily basis. The EIR identifies a significant impact due to road network expansion, a mitigation measure, and a conclusion that the impact would be significant and unavoidable with the mitigation measure. CEQA analysis conducted for specific projects would tier off the analysis in the General Plan EIR and only need to address issues specific to the later project.

Specific types of transportation projects are presumed to have a less-than-significant transportation impact because they “would not likely lead to a substantial measurable increase in VMT.” Projects that would not require a VMT analysis fall into four categories:

- Transit project (except for on-demand transit);
- Bicycle projects, such as bike lanes, projected bike lanes, or bike paths;
- Pedestrian projects, such as added sidewalks, crosswalks, or new trails; and,
- Roadway reconfigurations that are not intended to add vehicle capacity or substantially reduce vehicle delay, such as signal modifications, traffic calming projects, or intelligent transportation system (ITS) improvements.

Attachment C: List of Transportation Projects Exempt from Environmental Analysis (CEQA)

includes a complete list provided in the OPR *Technical Advisory* for transportation projects that would **not** likely lead to a substantial or measurable increase in vehicle travel, and therefore generally should not require an induced travel analysis and are presumed to have a less-than-significant impact on VMT.

However, even if a project is exempt from VMT analysis, it may still be required to evaluate the following CEQA requirements:

- Conflicts with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadways, bicycle lanes, and pedestrian paths;
- Substantially increases hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment); or,
- Results in inadequate emergency access.

All projects need to document and justify the applied VMT screening criteria.

Assessment for Non-Screened Projects

Projects not screened out through the criteria outlined above are required to complete a VMT analysis. Analysis methods and thresholds to evaluate the VMT effect of roadway projects will be assessed on a case-by-case basis, since the appropriate tool and methodology will vary based on the type and scope of transportation project proposed. Transportation projects that result in a net increase in total VMT may indicate a significant transportation impact.

Mitigation Measures

When VMT impacts are identified for roadway expansion projects, mitigation measure should consider and evaluate the reduction in scope of the capacity increase and/or enhancement to active transportation components.

Attachment A: Site Access and Circulation Plan Review

A detailed site plan review is required for all projects. The transportation analysis should include a review and summary of findings of the following qualitative and quantitative features, in addition to the site-plan criteria identified in Table 2. See attached for more...

- Existence of any current traffic problems in the local area such as a high-collision location, non-standard intersection or roadway, or an intersection in need of a traffic signal.
- Applicability of context-sensitive design practices compatible with adjacent neighborhoods or other areas that may be impacted by the project traffic.
- Proximity of proposed site driveway(s) to other driveways or intersections.
- Adequacy of the project site design to convey all vehicle types.
- Number and type of parking provided, including vehicle and bicycle parking.
- On- and off-street loading requirements.
- Adequacy of site access and circulation for vehicles, bicycle, and pedestrian and provision of direct pedestrian paths from residential areas to school sites, public streets to commercial and residential areas, and the project site to nearby transit facilities. Delivery vehicle access and circulation, and the potential for vehicle queues at drive-through windows should be considered.

Attachment B: Transportation Impact Analysis Report Outline

Sections for All Transportation Impact Analysis

The preparer has the discretion to use the most appropriate documentation format depending on the complexity of the analysis, including memorandum and formal reports, so long as the required information is provided. Not all information noted below is appropriate for all studies, nor is the list inclusive of everything that may be required to fully analyze a project.

1. Introductory Items

- Front Cover/Title Page
- Table of Contents, List of Figures, and List of Tables
- Executive Summary

2. Introduction/Background

- Project description
- Type and size of development
- Site plan (include proposed driveways, roadways, traffic control, parking facilities, emergency vehicle access, and internal circulation for vehicles, bicyclists, and pedestrians)
- Location map (include major streets, study intersections, and neighboring zoning and land uses)
- Scope of transportation analysis

3. Project Screening

- Description of whether the project meets General Plan Consistency screening criteria
- Description of whether the project meets CMP Consistency screening criteria
- Description of whether the project meets VMT screening criteria

4. Current Conditions

- Description of existing street system within project site and surrounding area
- Location and routes of nearest public transit system serving the project
- Location and routes of nearest pedestrian and bicycle facilities serving the project
- Off-site intersection analysis for site access and circulation evaluation and CMP evaluation (if applicable)

- Figure of study intersections with peak hour turning movement counts, lane geometries, and traffic control (if applicable)
- Map of study area showing average daily traffic (ADT) of study roadways (if applicable)
- Table of existing peak hour average vehicle delay and level of service (LOS)
- Environmental Analysis (if VMT screening criteria are not met)
 - Description of baseline VMT estimates (may include site and regional VMT estimates)

5. Project Trip Generation and Vehicle Miles Traveled

- Table of project generated trip estimates
- Figure/map of trip distribution (in percent)
- Table of project generated vehicle miles traveled estimates

6. Project Site Access and Circulation Evaluation

- Summary of a detailed site review for all modes of travel
- Mobility deficiency analysis for vehicle, transit, bicycle and pedestrian facilities (under Existing, Background, and Cumulative Conditions)
- Summary of transportation improvements
- Other Technical Analysis discussion: LOS, Queueing, Signal Warrants, Traffic Share Analysis, Schools, Transit, Bicycles, Pedestrians, Trucks, Parking, Traffic Calming, Access Management, Sight Distance, Park & Ride, Compliance with Policies.

CEQA Transportation Analysis Report Section

7. VMT Analysis (For projects not meeting VMT screening criteria)

- Summary of project generated VMT under Baseline Conditions
- Summary of project's effect on VMT under Year 2040 Cumulative Conditions
- Identification of significant impacts
- Discussion of mitigation measures
- Evaluation of impacts of mitigation measures

8. Other CEQA Requirements

- Summary of conflicts with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadways, bicycle lanes, and pedestrian paths. Present mitigation measures, as needed.

- Evaluation of hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment). Present mitigation measures, as needed.
- Emergency access evaluation. Present mitigation measures, as needed.

Local Transportation Analysis Report Section (Project Requiring Off-Site Analysis)

9. Existing with Project Conditions

- Maps of study area with applicable peak hour turning movements (Project Only and Existing with Project)
- Table of Existing and Existing with Project intersection peak hour average vehicle delay and LOS (or other multimodal performance measure)
- Traffic signal and other warrants
- Changes/Deficiencies to bike, pedestrian, and transit networks
- Findings of project deficiencies
- Improvements for project deficiencies (include a map showing physical improvements)
- Scheduling and implementation responsibility of improvements
- Deficiencies of proposed improvements

10. Baseline without Project Conditions

- Table of trip generation for approved project(s)
- Figure and/or table of approved projects trip distribution (in percent)
- Map of study area with applicable peak hour turning movements (Baseline without Project)
- Table of intersection peak hour average vehicle delay and LOS (or other multimodal performance measure)
- Changes/deficiencies to bike, pedestrian, and transit networks
- Traffic signal and other warrants

11. Baseline with Project Conditions

- Similar content to Existing with Project Conditions

12. Cumulative without and with Project Conditions

- Map of study area with Cumulative without Project peak hour turning movements
- Map of study area with Cumulative with Project peak hour turning movements

- Table of Cumulative without Project and Cumulative with Project intersection peak hour average vehicle delay and LOS (or other multimodal performance measure)
- Changes/Deficiencies to bike, pedestrian, and transit networks
- Traffic signal and other warrants
- Findings of project deficiencies
- Improvements for project deficiencies (include a map showing physical improvements)
- Scheduling and implementation responsibility of improvements
- Deficiencies of proposed improvements

As Needed Sections for Transportation Analysis Reports

13. Construction Deficiencies

- Trips due to construction workers
- Truck trips and truck access routes

14. Phasing Deficiencies (For Large Projects Only)

15. Appendices

- List of references
- List of authors
- Pedestrian, bicycle, and vehicle counts
- Technical calculations for all analyses

Attachment C: List of Transportation Projects Exempt from Environmental Analysis (CEQA)

The following complete list is provided in the OPR *Technical Advisory* (December 2018, Pages 20-21) for transportation projects that “would **not** likely lead to a substantial or measurable increase in vehicle travel, and therefore generally should not require an induced travel analysis:”

- Rehabilitation, maintenance, replacement, safety, and repair projects designed to improve the condition of existing transportation assets (e.g., highways; roadways; bridges; culverts; Transportation Management System field elements such as cameras, message signs, detection, or signals; tunnels; transit systems; and assets that serve bicycle and pedestrian facilities) and that do not add additional motor vehicle capacity.
- Roadside safety devices or hardware installation such as median barriers and guard rails
- Roadway shoulder enhancements to provide “breakdown space,” dedicated space for use only by transit vehicles, to provide bicycle access, or to otherwise improve safety, but which will not be used as automobile vehicle travel lanes.
- Addition of an auxiliary lane of less than one mile in length designed to improve roadway safety
- Installation, removal, or reconfiguration of traffic lanes that are not for through traffic such as left, right, and U-turn pockets, two-way left turn lanes, or emergency breakdown lanes that are not utilized as through lanes.
- Addition of roadway capacity on local or collector streets provided the project also substantially improves conditions for pedestrians, cyclists, and, if applicable, transit.
- Conversion of existing general purpose lanes (including ramps) to managed lanes or transit lanes, or changing lane management in a manner that would not substantially increase vehicle travel.
- Addition of a new lane that is permanently restricted to use only by transit vehicles.
- Reduction in number of through lanes.
- Grade separation to separate vehicles from rail, transit, pedestrians or bicycles, or to replace a lane in order to separate preferential vehicles (e.g., HOV, HOT, or trucks) from general vehicles.
- Installation, removal, or reconfiguration of traffic control devices, including Transit Signal Priority (TSP) features.
- Installation of traffic metering systems, detection systems, cameras, changeable message signs and other electronics designed to optimize vehicle, bicycle, or pedestrian flow.
- Timing of signals to optimize vehicle, bicycle, or pedestrian flow.
- Installation of roundabouts or traffic circles.
- Installation or reconfiguration of traffic calming devices.
- Adoption of or increase in tolls.

- Addition of tolled lanes, where tolls are sufficient to mitigate VMT increase.
- Initiation of new transit service.
- Conversion of streets from one-way to two-way operation with no net increase in number of traffic lanes.
- Removal or relocation of off-street or on-street parking spaces.
- Adoption or modification of on-street parking or loading restrictions (including meters, time limits, accessible spaces, and preferential/reserved parking permit programs).
- Addition of traffic wayfinding signage.
- Rehabilitation and maintenance projects that do not add motor vehicle capacity.
- Addition of new or enhanced bike or pedestrian facilities on existing streets/highways or within existing public rights-of-way.
- Addition of Class I bike paths, trails, multi-use paths, or other off-road facilities that serve non-motorized travel.
- Installation of publicly available alternative fuel/charging infrastructure.
- Addition of passing lanes, truck climbing lanes, or truck brake-check lanes in rural areas that do not increase overall vehicle capacity along the corridor.