



# Transportation Demand Management Policy Update Approach

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FOR City/County Association of Governments of San Mateo County

PREPARED BY Advanced Mobility Group

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## Introduction

As the designated Congestion Management Agency (CMA) for San Mateo County, C/CAG is authorized by California Government Code Section 65088 to prepare a Congestion Management Program (CMP) on a biennial basis. The express goal of the CMP is to manage traffic congestion on the designated CMP Network within San Mateo County, which is a system of State highways and principal arterials that course through the County, including incorporated and unincorporated jurisdictions therein. The CMP itself provides a detailed list and description of the facilities included on the San Mateo County CMP Network.

This document describes Advanced Mobility Group's (AMG) recommendations for the approach to updating a particular section of the San Mateo County CMP, which is the Land Use Impact Analysis Program - otherwise known as the Transportation Demand Management (TDM) Policy; a statutorily required component of the CMP. These recommendations are based on the findings in the prior Best Practices Memo (dated December 1, 2018), multiple meeting discussions with project stakeholders, as well as extensive discussion with C/CAG staff. This document also encapsulates previous policy approach memoranda submitted to C/CAG and its stakeholders with newer, additional feedback and research incorporated.

## Purpose Statement

The overarching goal of this TDM Policy Update Approach document is to update the C/CAG TDM Policy to reflect TDM best practices, provide updated performance targets, and standardize monitoring and reporting requirements. To accomplish this, AMG has prepared the following recommendations to update the TDM Policy across four areas:

1. Project Review Thresholds
2. Vehicle Trip Reduction Targets
3. Monitoring & Reporting
4. TDM Measures

These recommendations address issues identified to improve the current TDM Policy and are described in the ensuing sections below.

## How This Policy Update Affects Local Jurisdictions in San Mateo County

All C/CAG member jurisdictions will be subject to the updated TDM Policy – unless expressly exempted by C/CAG. (Paths to exemption are explained in greater detail in the companion *Implementation Guide*). The TDM Policy Update includes a new requirement that local jurisdictions notify C/CAG of any new development project under their purview that is estimated to generate at least 100 Average Daily Trips (ADT). Previously, the threshold for local jurisdictions to notify C/CAG of new development projects was 100 net peak hour trips, or those proposed as part of a General Plan Amendment (GPA).

The TDM Policy Update is intended, in part, to help local jurisdictions without a locally-adopted TDM program - or perhaps an outdated one – adequately mitigate vehicular traffic impacts on the CMP Network. It is recognized that local jurisdictions may have already adopted or are in the process of adopting their own TDM program or policies for purposes of mitigating travel demand emanating from new land development. This TDM Policy does not preclude local jurisdictions from applying their

established traffic impact analysis regulations or ordinances during the course of local development review nor does it preclude local jurisdictions from applying lawfully required analysis required by CEQA.

The ensuing sections of this *Policy Approach* document describe the specific sections of the C/CAG TDM Policy to be updated, including foundational rationale for said changes

## Update to Project Review Thresholds

### Issues with current TDM Policy:

- Net Peak Hour Trip Metric: The 100 or more net peak hour vehicle trips threshold is high and likely excludes many new developments, such as small office buildings, apartment complexes, and condos that could benefit from a TDM Plan.
- Threshold: The threshold only considers the net change in vehicle trips, which risks omitting certain project types, such as infill or redevelopment projects, that would also benefit from applying TDM strategies.

### Recommended Metric:

*Weekday Average Daily Traffic:* Use the projected weekday average daily traffic (ADT) as the threshold for applying TDM requirements. Project thresholds will be stated as ADT and correlated with one of the following three metrics, depending on the predominant site land use:

- 1) Square footage (Office, Research and Development, Industrial, Institutional, and Medical);
- 2) Number of rooms/units (Lodging and Multi-Family Residential); or
- 3) Number of employees (Retail and Restaurant)

### Recommended Threshold:

The table below demonstrates the proposed ADT thresholds in correlation to the underlying project characteristic to be applied in the updated TDM Policy. Thresholds vary by land use and project size. It was determined that a tiered approach, with distinct thresholds for “small projects” and “large projects” would be best. The thresholds were determined by evaluating several technical resources, including multiple peer-reviewed trip generation guidance documents, California Office of Planning & Research (OPR) policy advisories, as well as case study TDM policies in California and other regions nationwide.

Table 1. Recommended ADT Thresholds, Correlated with Project Size Characteristic<sup>1 2 3</sup>

	Small Projects	Large Projects
<b>Non-Residential:</b> Office, R&D, Industrial, and Institutional	<b>100 – 499 ADT</b> <b>(10,000 – 49,999 sq. ft.)</b>	<b>500+ ADT</b> <b>(50,000+ sq. ft.)</b>
<b>Non-Residential:</b> Medical & Lodging	<b>100 – 499 ADT</b> <b>(10,000 – 49,999 sq. ft.)</b>	<b>500+ ADT</b> <b>(50,000+ sq. ft.)</b>
<b>Non-Residential:</b> Retail & Restaurant	<b>100 – 499 ADT</b> <b>(30-99 employees)</b>	<b>500+ ADT</b> <b>(100+ employees)</b>
<b>Residential:</b> Multi-Family	<b>100 – 499 ADT</b> <b>(20 - 49 units)</b>	<b>500+ ADT</b> <b>(50+ units)</b>

Small projects and large projects will be subject to different goals and monitoring and reporting requirements, also discussed in detail within the companion *Implementation Guide*. This tiered approach will allow C/CAG to expand the reach of the TDM Policy, improve monitoring and reporting, and minimize financial and administrative burdens to developers, property managers, local agency, and C/CAG staff.

## Update to Vehicle Trip Reduction Targets

### Issues with current policy:

- **Lacking Clarity:** Vehicle trip reduction targets are not specified within the current policy and the developer/tenants are not held responsible for the extent to which TDM programs are used. Without quantifiable targets, the ability to monitor and report on the effectiveness of the policy and hold developers/tenants accountable for the ongoing implementation of TDM programs, is limited.

### Recommended Metric:

*Adopt Vehicle Trip Reduction & Mode Share Targets* – Adopt vehicle trip reduction targets as the primary TDM metric. The total vehicle trip reduction target will also encompass a single-occupant vehicle (SOV) mode share reduction ratio that accounts for estimated shift in travel demand behavior, which is documented with research citations in Appendices C and D.

Additional summary basis for recommending vehicle trip reduction ratio as the primary metric, supplemented with SOV mode share reduction, are as follows:

- Vehicle trip reduction ratios are supported by academic research and case study applications in [San Mateo County](#), the Bay Area, and beyond. (Bibliography also available in Appendix D).

Specific examples include:

- The City of Mountain View (CA) established a SOV mode share target of 45 percent in the North Bayshore TDM Plan Guidelines.

<sup>1</sup> The quantified square footage, employees, and units in this table demonstrate plausible project size relative to the estimated project ADT. The representative project size values are not exact. They are based on documented linear relationships between project size and respective site travel demand. More detail is available in research references cited in Appendix C & D of this document.

<sup>2</sup> Justification for managing congestion on the CMP Network, particularly by smaller-sized projects, is delegated by State law (CA Govt. Code 65088). In fact, there is no legally identified minimum project size. Therefore, C/CAG can exercise discretion in setting minimum project size thresholds for inclusion in this TDM Policy. However, research of TDM policy advisories and case studies documented in Appendix D (CA Office of Planning & Research, City of Carlsbad, et al) indicate appropriate minimum ADT thresholds and linear correlation between daily trip generation and project size as proposed in Table 1, above.

<sup>3</sup> The TDM Policy only applies to multi-family residential developments only. Single-family home developments are **exempted** from this TDM Policy.



- Fairfax County (VA), near Washington, D.C., has established vehicle trip generation rates based on project site distance from a rail station and accounting for the density of adjacent developments. The closer a site is to a rail station and the greater amount of nearby development, the greater the vehicle trip reduction goal would be. The vehicle trip reduction goal in Fairfax County ranges between 25 to 65 percent of ITE rates.
- Mode share is a viable complementary metric; it was the most common goal metric used in jurisdictions reviewed in the *Best Practices Memo*, dated December 1, 2018.
- Methodology for calculating mode share is relatively easy to understand and synthesize data.
- In the recommended monitoring and reporting approach described later in this document, as well as in the *Implementation Guide*, Commute.org will assist C/CAG by collecting data about TDM implementation status at completed projects. Commute.org will distribute periodic surveys to project tenants and their employees, and then compile and report findings to track TDM Policy implementation progress.
- Mode share targets can be the same countywide or can vary based on land use, location, or distance to transit.

**Recommended Targets:**

As illustrated in the Table 2 below, the recommended vehicle trip reduction target is 35% below estimated project ADT for all but two land uses categories; a lower vehicle trip reduction target of 25% applies to projects categorized as Small Residential (Multi-Family) or TOD.

*Table 2. Vehicle Trip Reduction Targets*

	Small Projects	Large Projects	TOD (Small & Large)
<b>Non-Residential:</b> Office, Industrial, and Institutional	35%	35%	25%
<b>Non-Residential:</b> Medical & Lodging	35%		
<b>Non-Residential:</b> Retail	35%		
<b>Residential:</b> Multi-Family	25%		

Vehicle trip reduction and mode share are complementary metrics to address transportation network performance. As part of this TDM Policy Update, reducing SOV trips through implementation of TDM measures supports regional mode share targets shown in Table 3, which are based on countywide averages from the 2019 Congestion Management Program (CMP). Local jurisdictions may set more aggressive targets, as appropriate.

*Table 3.*

*San Mateo County Congestion Management Program (CMP) Mode Share Targets for Single-Occupant Vehicles*

	Small Projects	Large Projects
<b>Single Occupant Vehicle</b>	73%	67%

## Update to TDM Measures

### Issues with current policy:

- Stakeholder group members indicated that many of the TDM measures listed in the current policy are not used and/or are outmoded (ex. video conference centers). The policy also includes some TDM measures that are typically required as part of building codes or other regional ordinances.
- Developers are required to select measures to offset peak hour vehicle trips over 100, using a vehicle trips credited value for each measure. However, since developers/tenants are not held responsible for the extent to which TDM programs are used, there is little incentive for developers to select measures that are tailored to their specific project.
- The number of vehicle trips credited for each metric may not reflect actual results, since they are countywide estimates and do not consider factors like the project location, distance to transit, or pedestrian and bicycle network, which are critical for the success of many TDM measures.

### Recommendation:

Require a set of baseline TDM measures for all projects. Baseline TDM measures will be related to site design and physical improvements, many of which are already required as part of building codes or other local or regional ordinances or programs, in addition to programmatic measures that will require implementation and monitoring post-occupancy. Once required baseline measures are fulfilled, developers can select from additional (recommended) TDM measures that are most appropriate to the site and will help the site achieve its mode share and vehicle trip reduction goals. To facilitate implementation in line with C/CAG TDM Policy, as well as for future TDM monitoring and data collection, it is proposed that development applicants submit a TDM Checklist to the governing jurisdiction Planning Department as part of the development review process. The expectation is that the local jurisdiction will condition any project approval on the implementation of the measures selected from the TDM Checklist by the project applicant. Each measure selected in the Checklist corresponds to a point value and vehicle trip reduction percentage (impact), the values of which are based on literature review of transportation research, best practices, and stakeholder feedback.

The TDM Checklist will also categorize development projects according to their proximity to “high quality” transit, defined as a transit station or stop featuring maximum 15-minute service frequency (headways) during weekday peak hours between 6-10 a.m. and 3-7 p.m. This definition is also consistent with that of the Metropolitan Transportation Commission (MTC). Three project categories are proposed:

1. **Transit-Oriented Development (TOD)** – project located within 0.5 miles of “high quality” transit.
2. **Transit Proximate** – project located between 0.5 – 3 miles of “high quality” transit.
3. **Non-Transit Proximate** – project located more than 3 miles from “high quality” transit.

Some measures will only be required of projects meeting one of the above three geographic criteria.

Detailed background worksheets that showcase the underlying scoring values for the Required and Additional Recommended TDM measures to evaluate Residential (Multi-Family) and Non-Residential land uses, the latter of which includes Office, R&D, Industrial, and Institutional; Medical & Lodging; and Retail & Restaurant categories are contained in Appendix A. A full description of each TDM measure is provided in Appendix B.

## Update to Policy Monitoring & Reporting

### Issues with current policy:

- Since developer/tenants are not held responsible for the extent to which TDM programs are used post-occupancy, there is no mechanism for monitoring or accountability after a new project is built.
- Lack of consistent reporting of development project applications by local jurisdictions to C/CAG staff (as is required in established policy).
- Lack of mechanism for systematic reporting of TDM mitigation measure status post-occupancy.

### Recommendation:

Require periodic reporting post-occupancy. Reporting requirements and duration of requirements will vary depending on project ADT and land use. To implement this, C/CAG will partner with Commute.org to administer the monitoring and reporting process primarily through project tenant and employee surveys. These surveys will be intended to capture the completeness of TDM implementation as well as trip-making behavior. Commute.org will assist with distribution, collection, and synthesis of survey data.

A process will also be developed to follow up with projects that fall short of TDM Policy goals or reporting requirements. This compliance effort will be collaborative, not punitive; no fines to the project owner or tenant are proposed as part of this process due to failure to achieve the targeted trip reduction goals. Rather, it is proposed that C/CAG, in partnership with Commute.org, convene with the non-compliant owner/tenant and the local jurisdiction where the project is located to strategize a path toward adequate TDM implementation and, ultimately, TDM Policy compliance.

### Reporting for Small Residential Projects:

- No reporting is required for small residential projects.

### Reporting for Large Residential Projects:

- A TDM self-certification status form is required to be completed biennially for the first six (6) years after occupancy.

### Reporting for Large & Small Non-Residential Projects:

- Monitoring and reporting for 20 years post-occupancy
- A TDM self-certification status form is required to be completed biennially for 18 years post occupancy.
- A travel survey of employees/occupants is required to be completed biennially -beginning in the third year post-occupancy for a period of six years and then triennially for remaining 12 years.

C/CAG will conduct a biennial review of the efficacy of the C/CAG Land Use Policy Program and report to the Committees and C/CAG Board of Directors. This review and report will be folded into the standard biennial CMP monitoring process

Table 4. Recommended Monitoring & Reporting Structure

	Multi-Family Residential		Non-Residential	
	Small Projects	Large Projects	Small Projects	Large Projects
<b>TDM Plan Checklist Survey Reporting (1-6 Years Post-Occupancy)</b>	Not Required	Biennial self-certification	Biennial survey	Biennial survey
<b>TDM Plan Checklist Survey Reporting (6+ Years Post-Occupancy)</b>	Not Required	Not Required	Triennial Survey	Triennial Survey
<b>Mode Share Surveys</b>	Not Required	Not Required	Required	Required

For example, the 20-year monitoring and reporting in the form of periodic surveys will commence two years after project completion & occupancy and biennially for six years, and then triennially for 12 years. Example:

- Year 2025: Project completion & occupation
- 2026: TDM Self-Certification Form
- 2027: TDM Self-Certification Form and 1st biennial (two-year) survey
- 2029: TDM Self-Certification Form and 2nd biennial survey
- 2031: TDM Self-Certification Form and 3rd biennial survey. This is the 6-year mark post-occupancy. From this point forward, surveys are to be conducted triennially (three-year periods).
- 2034: TDM Self-Certification Form and 4th survey
- 2037: TDM Self-Certification Form and 5th survey
- 2040: TDM Self-Certification Form and 6th survey
- 2043: TDM Self-Certification Form and final survey.

Large residential projects are required to conduct biennial self-certification for the first six years of occupancy; after the sixth year of occupancy, no additional reporting is required. No reporting is required for small residential projects.

- Separate project site traffic counts conducted by project tenants are optional, but welcomed by C/CAG, for transportation performance measurement purposes.

**Recommended Monitoring & Reporting Standards:**

- Projects will be found non-compliant if the following occurs:
  - Failure to implement measures or amenities as indicated in the submitted TDM Plan or TDM Checklist; or
  - Failure to submit subsequent TDM implementation surveys; or

Projects that do not meet vehicle trip reduction and SOV mode share targets would not otherwise be penalized if they demonstrate a good-faith effort to meet the TDM Policy goals.

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## Appendix A *C/CAG TDM Scoring Methodology*

## Overview of Appendix A

This technical appendix summarizes the methodological background for the C/CAG TDM Checklist that local jurisdictions subject to the C/CAG TDM Policy shall utilize to evaluate TDM mitigation efforts for new development applications.

Included in this section are the following supplemental materials for local jurisdiction staff and/or developers to use as reference when preparing a C/CAG TDM Checklist applicable to the subject project.

Assistance materials included in this particular appendix consist of the following:

- Text summary of scoring rationale for Non-Residential and Residential land uses
- Detailed tables specifying the TDM measures applicable to each land use category and project type

Further reading and research, including numerical citations for vehicle trip reduction ratios – including SOV mode share - are available in the subsequent *Appendix D, Research References*.

## Summary of Scoring Rationale

### Why There are Points and Trip Reduction Ratios on the TDM Checklist

The corresponding point values for each mitigating measure are weighted (i.e., assigned a value signifying relative importance) and serve as a guide for relative impact of the TDM measure. This point scoring system is not “One-Size-Fits-All”. It is incumbent upon the project applicant, in cooperation with Commute.org and the responsible jurisdiction, to select the necessary values in order to meet the required vehicle trip reduction threshold.

### Non-Residential Land Use Category

This category Includes *Office, Industrial, Institutional; Medical & Lodging; and Retail* land use sub-categories.

The scoring system is based upon the effectiveness of each individual mitigating TDM measure, rated in points on an ascending scale of 1-10 with a corresponding vehicle trip reduction ratio (percentage). To meet the C/CAG TDM Policy vehicle trip reduction targets, a project must commit to a minimum vehicle trip reduction ratio. This is accomplished by fulfilling the *Required* measures listed in the top half of the TDM Score Sheet, plus *Additional Recommended* measures in the bottom half, so that the total trip reduction ratio meets or exceeds the stated minimum threshold (typically 35%, unless otherwise stated). The exact number of *Additional Recommended* measures needed to meet the minimum estimated trip reduction threshold is further based on the project type, as described below:

- **For TOD projects** - defined as being within 0.5 miles of a transit station serving "high-quality transit" - the minimum required trip reduction threshold is 25%. Therefore, after fulfilling all the *Required* measures, the applicant must then select a sufficient number of *Additional Recommended* measures to achieve the minimum 25% vehicle trip reduction threshold for this project type. This threshold is lower than other project types for several reasons, including the fact that development near “high quality” transit service typically generates fewer single-occupancy vehicle trips. Therefore, this



threshold provides a 10% bonus for TODs and aims to incentivize their development by streamlining review.

- **For "Transit Proximate" projects** - defined as being within 0.5 to 3 miles of a transit stop or station with "high quality" transit service - the minimum required trip reduction threshold is 35%. Therefore, after fulfilling all the *Required* measures, the applicant must then select a sufficient number of *Additional Recommended* measures to achieve the minimum 35% trip reduction threshold for this project type.
- **For projects that are NOT "Transit Proximate"** - defined as being located more than 3 miles from a transit stop or station with "high quality" transit service - the minimum required vehicle trip reduction threshold is the same as "Transit Proximate" projects: 35%.

In any case, the project must ultimately select a sufficient number of measures from the *Additional Recommended* measures section to obtain the required overall trip reduction ratio.

#### **Comparative Scoring Description: Large vs. Small Non-Residential Projects**

To review, Large and Small Non-Residential Projects may be categorized as one of the following three project types:

- TOD
- Transit Proximate
- Non-Transit Proximate

Transit Proximate and Non-Transit Proximate projects in this project category are required to fulfill sufficient cumulative TDM measures in order to achieve 35% vehicle trip reduction impact. TODs are subject to a lower 25% threshold.

#### **Residential Land Use Category**

Like for Non-Residential land uses, the point system used for Residential projects is also based upon the effectiveness of each individual mitigating measure, in terms of estimated vehicle trip reduction ratio and corresponding points rated on an ascending weighted scale of 1-10.

The same methodology also applies with regards to fulfilling the *Required* measures plus a minimum number of *Additional Recommended* measures to achieve the minimum trip reduction threshold of 35% (or 25%, if TOD or Small Residential).

Finally, with respect to project types, the same definitions and thresholds also apply for TOD, Transit Proximate, and Non-Transit Proximate projects.

To re-emphasize, the corresponding point value for each mitigating measure is weighted (i.e., assigned a value signifying relative importance) and the point scoring system is not One-Size-Fits-All. It remains incumbent upon the responsible jurisdiction, in cooperation with the project applicant, to select the necessary values in order to meet the required vehicle trip reduction threshold.

#### **Comparative Scoring Description: Large vs. Small Residential Projects**

As for Large Non-Residential projects, Large Residential projects are categorized as one of the following three project types:

- TOD
- Transit Proximate
- Non-Transit Proximate

However, the Small Residential Project category is unique in that it *makes no such distinction*. This is because all Small Residential projects, irrespective of geography, are subject to a 25% vehicle trip reduction threshold.

For the Large Residential category, Transit Proximate and Non-Transit Proximate projects are required to fulfill cumulative TDM measures in order to achieve 35% trip reduction impact. However, TODs are still subject to a lower 25% threshold.

### *Brief Explanation of the Background TDM Checklist Worksheets*

The following pages feature technical worksheets for each land use category. There are eight (8) in total, each represented in the following order:

1. Large Non-Residential (Office, Industrial, Institutional)
2. Small Non Residential (Office, Industrial, Institutional)
3. Large Residential
4. Small Residential
5. Large Non-Residential (Medical/Lodging)
6. Small Non-Residential (Medical/Lodging)
7. Large Non-Residential (Retail)
8. Small Non-Residential (Retail)

The purpose of featuring these worksheets is to illustrate the underlying quantification of vehicle trip reduction metrics that are paramount to the C/CAG TDM Policy Update. As described in the main body text of this Policy Approach document, the primary metric is the vehicle trip reduction ratio (or percentage). Single-occupant vehicle (SOV) mode share and the weighted point score are supplementary, but nonetheless valuable insofar as these help derive the estimated vehicle trip reduction that could reasonably occur by implementing certain TDM measures.

For further assistance on this topic, interested parties are encouraged to contact C/CAG staff directly. Contact information is available at the agency website: <https://ccag.ca.gov/>.

**C/CAG TDM Mitigation SCORE SHEET**

**Non-Residential (Office, Industrial, Institutional) Land Use: Large Project : 500+ ADT ; ~50,000+ sq. ft.**

**PROJECT INFORMATION**

Jurisdiction	
Project Name	
Project Type	
Name of Preparer	
Date Prepared	

**INSTRUCTIONS**

Based on Project Information above, complete the Checklist below by assigning points and trip reduction percentages according to Project Type. Input respective values in columns at far right. Select all REQUIRED measures and record total points and trip reduction. Then, select ADDITIONAL measures and record total points and trip reduction. The combined totals should be at least 35% trip TOD Projects located within 0.5 miles of station with high-quality transit service shall be subject 25% trip reduction.

For TDM measures highlighted orange, pay special attention to the assigned points based on Project Type. Input the appropriate assigned value in the scoring column at right. Also refer to the C/CAG Policy Approach Document, Appendix B - TDM Scoring Methodology to advise applicants of specific requirements for fulfilling these measures.

IMPORTANT: If a REQUIRED measure is proven to be infeasible (cost-prohibitive or otherwise), the governing jurisdiction may wish to substitute a suitable ADDITIONAL measure (or measures) of comparable trip reduction value to achieve the total required trip reduction impact.

**ESSENTIAL TERMINOLOGY**

"Transit Proximate"	Project located between 0.5 - 3 miles from a transit station or stop with "high quality" transit service.
"Non-Transit Proximate"	Project located 3+ miles from a transit station or stop with "high quality" transit service.
"TOD"	Transit-Oriented Development located less than 0.5 miles from a transit station or stop with "high quality" transit service.
"High quality" transit service	Rail station or a transit stop featuring bus service with maximum 15-minute headways during weekday peak hours of 6-10AM and 3-7PM.

**REQUIRED MEASURES**

		Project Type				Est. Trip Reduction %	TRIP REDUCTION SCORE (%)	
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE				
Category	ID	Measure			Point Values			
Parking Mgmt. for Ridesharing	1	Free/Preferential Parking for Carpools			1	1	1	1.0%
	2	TDM Coordinator/Contact Person			1	1	1	0.5%
TDM Mgmt. & Admin	3	Actively Participate in Commute.org, or Transportation Management Association (TMA) Equivalent			8		8	6.5%
	3A	Certified participation in Commute.org, or equivalent program such as TMA			2	2	2	4.0%
	3B	Commute assistance and ride-matching			4	4	4	1.0%
	3C	Shuttle Program/Shuttle Consortium/Fund Transit Service				5		10.0%
	3D	Guaranteed Ride Home			1	1	1	0.5%
	3E	Orientation, Education, Promotional Programs and/or Materials			1	1	1	1.0%
Shuttles, Transit & Ridesharing	4	Carpool or Vanpool Program			3	3	3	2.0%
	5	Transit or Ridesharing Passes/Subsidies			8	8	8	10.0%
	6	Pre-Tax Transportation Benefits			3	3	3	1.0%
Active Transportation	7	Secure Bicycle Storage			1	1	1	1.0%
	8	Showers, Lockers, and Changing Rooms for Cyclists			2	2	2	2.0%
Site Design Initiatives	9	Design Streets to Encourage Bike/Ped Access			1	1	1	1.0%
Recorded % Total								
Required Measures % Total (TOD)								
Required Measures % Total (Transit Proximate)								
Required Measure % Total (Non-Transit Proximate)								

**ADDITIONAL RECOMMENDED MEASURES**

Select enough measures below so that the combined total of REQUIRED + ADDITIONAL measures = at least 35% trip reduction (at least 25% for TODs).

		Project Type				Est. Trip Reduction %	TRIP REDUCTION SCORE (%)	
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE				
Category	ID	Measure			Point Values			
Employee Programs	10	Flex Time, Compressed Work Week, Telecommute			5	5	5	5.0%
Parking Mgmt.	11	Paid Parking at Market Rate			10	10	10	25.0%
	12	Short Term Daily Parking			2	2	2	2.0%
	14	Parking Guidance Information System combined w/Congestion Pricing			1	1	1	2.0%
TDM Mgmt. & Admin	15	Developer TDM Fee/TDM Fund			5	5	5	4.0%
Transit, Shuttles, & Ridesharing	16	Car Share On-Site			3	3	3	1.0%
	17	Land Dedication or Capital Improvements for Transit			8	8	8	4.0%
	18	Shuttle Program/Shuttle Consortium/Fund Transit Service					5	10.0%
Active Transportation	19	Bike/Scooter Share On-Site			2	2	2	1.0%
	20	Active Transportation Subsidies			3	3	3	2.0%
	21	Gap Closure			5	5	5	7.0%
	22	Bike Repair Station			1	1	1	0.5%
Site Design Initiatives	22	Pedestrian Oriented Uses & Amenities on Ground Floor			4	4	4	3.0%
Additional % Total								
Recorded Additional Measure % Total (TOD)								
Recorded Additional Measure % (Transit Proximate)								
Recorded Additional Measure % (Non-Transit Proximate)								
GRAND TOTAL								
Must be at least 35% (or 25% for TODs)								

**C/CAG TDM Mitigation SCORE SHEET**

**Non-Residential (Office, Industrial, Institutional) Land Use: Small Project : 100-499 ADT ; ~10,000-49,999 sq.**

**PROJECT INFORMATION**

Jurisdiction	
Project Name	
Project Type	
Name of Preparer	
Date Prepared	

**INSTRUCTIONS**

Based on Project Information above, complete the Checklist below by assigning points and trip reduction percentages according to Project Type. Input respective values in columns at far right. Select all REQUIRED measures and record total points and trip reduction. Then, select ADDITIONAL measures and record total points and trip reduction. The combined totals should be at least 35% trip reduction. TOD Projects located within 0.5 miles of station with high-quality transit service shall be subject 25% trip reduction.

For TDM measures highlighted orange, pay special attention to the assigned points based on Project Type. Input the appropriate assigned value in the scoring column at right. Also refer to the C/CAG Policy Approach Document, Appendix B - TDM Scoring Methodology to advise applicants of specific requirements for fulfilling these measures.

IMPORTANT: If a REQUIRED measure is proven to be infeasible (cost-prohibitive or otherwise), the governing jurisdiction may wish to substitute a suitable ADDITIONAL measure (or measures) of comparable trip reduction value to achieve the total required trip reduction impact.

**ESSENTIAL TERMINOLOGY**

"Transit Proximate"	Project located between 0.5 - 3 miles from a transit station or stop with "high quality" transit service.
"Non-Transit Proximate"	Project located 3+ miles from a transit station or stop with "high quality" transit service.
"TOD"	Transit-Oriented Development located less than 0.5 miles from a transit station or stop with "high quality" transit service.
"High quality" transit service	Rail station or a transit stop featuring bus service with maximum 15-minute headways during weekday peak hours of 6-10AM and 3-7PM.

**REQUIRED MEASURES**

Category	ID	Measure	Project Type			Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
			TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE		
Parking Mgmt. for Ridesharing	1	Free/Preferential Parking for Carpools	1	1	1	1.0%	
	2	TDM Coordinator/Contact Person	1	1	1	0.5%	
TDM Mgmt. & Admin	3	Actively Participate in Commute.org. or Transportation Management Association (TMA) Equivalent	8	8	8	6.5%	
	3A	Certified participation in Commute.org. or equivalent program such as TMA	2	2	2	4.0%	
	3B	Commute assistance and ride-matching	4	4	4	1.0%	
	3C	Guaranteed Ride Home	1	1	1	0.5%	
Shuttles, Transit & Ridesharing	3D	Orientation, Education, Promotional Programs and/or Materials	1	1	1	1.0%	
	4	Carpool or Vanpool Program	3	3	3	2.0%	
Active Transportation	5	Transit or Ridesharing Passes/Subsidies	8	8	8	10.0%	
	6	Pre-Tax Transportation Benefits	3	3	3	1.0%	
Site Design Initiatives	7	Secure Bicycle Storage	1	1	1	1.0%	
	8	Showers, Lockers, and Changing Rooms for Cyclists	2	2	2	2.0%	
	9	Design Streets to Encourage Bike/Ped Access	1	1	1	1.0%	

Recorded % Total	
Required Measures % Total (TOD)	
Required Measures % Total (Transit Proximate)	
Required Measure % Total (Non-Transit Proximate)	

**ADDITIONAL RECOMMENDED MEASURES**

Select enough measures below so that the combined total of REQUIRED + ADDITIONAL measures = at least 35% trip reduction (at least 25% for TODs).

Category	ID	Measure	Project Type			Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
			TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE		
Employee Programs	10	Flex Time, Compressed Work Week, Telecommute	5	5	5	5.0%	
Parking Mgmt.	11	Paid Parking at Market Rate	10	10	10	25.0%	
	12	Short Term Daily Parking	2	2	2	2.0%	
	14	Reduced Parking	8	8	8	10.0%	
TDM Mgmt. & Admin	15	Developer TDM Fee/TDM Fund	5	5	5	4.0%	
Transit, Shuttles, & Ridesharing	16	Car Share On-Site	3	3	3	1.0%	
	17	Land Dedication or Capital Improvements for Transit	8	8	8	4.0%	
	18	Shuttle Program/Shuttle Consortium/Fund Transit Service			5	10.0%	
Active Transportation	19	Bike/Scooter Share On-Site	2	2	2	1.0%	
	20	Active Transportation Subsidies	3	3	3	2.0%	
	21	Gap Closure	5	5	5	7.0%	
	22	Bike Repair Station	1	1	1	0.5%	
Site Design Initiatives	22	Pedestrian Oriented Uses & Amenities on Ground Floor	4	4	4	3.0%	

Additional % Total	
Recorded Additional Measure % Total (TOD)	
Recorded Additional Measure % (Transit Proximate)	
Recorded Additional Measure % (Non-Transit Proximate)	
<b>GRAND TOTAL</b>	

Must be at least 35% (or 25% for TODs)

# C/CAG TDM Mitigation SCORE SHEET

## Residential (Multi-Family) Land Use: Large Project : 500+ ADT; ~50+ Units

### PROJECT INFORMATION

Jurisdiction	
Project Name	
Project Type	
Name of Preparer	
Date Prepared	

### INSTRUCTIONS

Based on Project Information above, complete the Checklist below by assigning points and trip reduction percentages according to Project Type. Input respective values in columns at far right. Select all REQUIRED measures and record total points and trip reduction. Then, select ADDITIONAL measures and record total points and trip reduction. The combined totals should be at least 35% trip reduction. TOD Projects located within 0.5 miles of station with high-quality transit service shall be subject 25% trip reduction.

For TDM measures highlighted orange, pay special attention to the assigned points based on Project Type. Input the appropriate assigned value in the scoring column at right. Also refer to the C/CAG Policy Approach Document, Appendix B - TDM Scoring Methodology to advise applicants of specific requirements for fulfilling these measures.

IMPORTANT: If a REQUIRED measure is proven to be infeasible (cost-prohibitive or otherwise), the governing jurisdiction may wish to substitute a suitable ADDITIONAL measure (or measures) of comparable trip reduction value to achieve the total required trip reduction impact.

### ESSENTIAL TERMINOLOGY

"Transit Proximate"	Project located between 0.5 - 3 miles from a transit station or stop with "high quality" transit service.
"Non-Transit Proximate"	Project located 3+ miles from a transit station or stop with "high quality" transit service.
"TOD"	Transit-Oriented Development located less than 0.5 miles from a transit station or stop with "high quality" transit service.
"High quality" transit service	Rail station or a transit stop featuring bus service with maximum 15-minute headways during weekday peak hours of 6-10AM and 3-7PM.

### REQUIRED MEASURES

		Project Type			Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE		
Category	ID	Measure			Point Values	
Parking Mgmt. for Ridesharing	1	Orientation, Education, Promotional Programs and/or Materials			1	1.0%
	2	TDM Coordinator/Contact Person			1	0.5%
TDM Mgmt. & Admin	3	Actively Participate in Commute.org, or Transportation Management Association (TMA) Equivalent			6	5.0%
	3A	Certified participation in Commute.org, or equivalent program such as TMA			2	4.0%
	3B	Commute assistance and ride-matching			4	1.0%
	3C	Shuttle Program/Shuttle Consortium/Fund Transit Service			5	10.0%
Shuttles, Transit & Ridesharing	4	Transit or Ridesharing Passes/Subsidies			8	10.0%
Active Transportation	5	Secure Bicycle Storage			1	1.0%
Site Design Initiatives	6	Design Streets to Encourage Bike/Ped Access			1	1.0%
Recorded % Total						
Required Measures % Total (TOD)						
Required Measures % Total (Transit Proximate)						
Required Measure % Total (Non-Transit Proximate)						

### ADDITIONAL RECOMMENDED MEASURES

Select enough measures below so that the combined total of REQUIRED + ADDITIONAL measures = at least 35% trip reduction (at least 25% for TODs).

		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE	Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
Category	Measure	Point Values				
Employee Programs	7	Delivery Amenities			1	1.0%
Parking Mgmt.	8	Family-supportive Amenities			3	3.0%
	9	Paid Parking at Market Rate			10	25.0%
	10	Reduced Parking			8	10.0%
TDM Mgmt. & Admin	11	Developer TDM Fee/TDM Fund			5	4.0%
Transit, Shuttles, & Ridesharing	12	Carpool or Vanpool Program			3	2.0%
	13	Car Share On-Site			3	1.0%
	14	Land Dedication or Capital Improvements for Transit			8	4.0%
	14A	Bus Pullout Space			2	1.0%
	14B	Bus Shelter			2	1.0%
	14C	Visual/Electrical Improvements (i.e., Lighting, Signage)			2	1.0%
Active Transportation	14D	Other (i.e., Micromobility Parking Zone, TNC Loading Zone)			2	1.0%
	15	Shuttle Program/Shuttle Consortium/Fund Transit Service			5	10.0%
	16	Bike/Scooter Share On-Site			2	1.0%
	17	Active Transportation Subsidies			3	2.0%
Site Design Initiatives	18	Gap Closure			5	7.0%
	19	Bike Repair Station			1	0.5%
	20	Pedestrian Oriented Uses & Amenities on Ground Floor			4	3.0%
Additional % Total						
Recorded Additional Measure % Total (TOD)						
Recorded Additional Measure % (Transit Proximate)						
Recorded Additional Measure % (Non-Transit Proximate)						
GRAND TOTAL						
Must be at least 35% (or 25% for TODs)						

# C/CAG TDM Mitigation SCORE SHEET

## Residential (Multi-Family) Land Use: Small Project : 100-499 ADT; ~20-49 Units

### PROJECT INFORMATION

Jurisdiction	
Project Name	
Project Type	
Name of Preparer	
Date Prepared	

### INSTRUCTIONS

Complete the Checklist below by selecting trip reduction measures according to Project Type. Input respective values in columns at far right.  
 Select all REQUIRED measures then, select ADDITIONAL measures to achieve a minimum of at least 25% trip reduction.

For TDM measures highlighted orange refer to the C/CAG Policy Approach Document, Appendix B - TDM Scoring Methodology to advise applicants of specific requirements for fulfilling these measures.

IMPORTANT: If a REQUIRED measure is proven to be infeasible (cost-prohibitive or otherwise), the governing jurisdiction may wish to substitute a suitable ADDITIONAL measure (or measures) of comparable trip reduction value to achieve the total required trip reduction impact.

### ESSENTIAL TERMINOLOGY

"Transit Proximate"	Project located between 0.5 - 3 miles from a transit station or stop with "high quality" transit service.
"Non-Transit Proximate"	Project located 3+ miles from a transit station or stop with "high quality" transit service.
"TOD"	Transit-Oriented Development located less than 0.5 miles from a transit station or stop with "high quality" transit service.
"High quality" transit service	Rail station or a transit stop featuring bus service with maximum 15-minute headways during weekday peak hours of 6-10AM and 3-7PM.

### REQUIRED MEASURES

		Project Type			Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE		
Category	ID	Measure			Point Values	
Parking Mgmt. for Ridesharing	1	Orientation, Education, Promotional Programs and/or Materials			1	1.0%
TDM Mgmt. & Admin	2	TDM Coordinator/Contact Person			1	0.5%
Shuttles, Transit & Ridesharing	3	Transit or Ridesharing Passes/Subsidies			8	10.0%
Active Transportation	4	Secure Bicycle Storage			1	1.0%
Site Design Initiatives	5	Design Streets to Encourage Bike/Ped Access			1	1.0%
Recorded Required Measure % Total						

### ADDITIONAL RECOMMENDED MEASURES

Select enough measures below so that the combined total of REQUIRED + ADDITIONAL measures = at least 25% trip reduction.

		Project Type			Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE		
Category	ID	Measure			Point Values	
Employee & Resident Amenities	6	Delivery Amenities			1	1%
	7	Family-supportive Amenities			3	3%
Parking Mgmt.	8	Paid Parking at Market Rate			10	25%
	9	Reduced Parking			8	10%
TDM Mgmt. & Admin	10	Developer TDM Fee/TDM Fund			5	4%
	11	Actively Participate in a Transportation Management Association			2	4%
Transit, Shuttles, & Ridesharing	12	Carpool or Vanpool Program			3	2%
	13	Commute Assistance and Ride-Matching			4	1%
	14	Car Share On-Site			3	1%
	15	Land Dedication or Capital Improvements for Transit			8	8%
	15A	Contribute space on, or adjacent to, the project site for transit improvements.			2	1%
	15B	Contribute space on, or adjacent to, the project site for transit improvements.			2	1%
Active Transportation	15C	Contribute space on, or adjacent to, the project site for transit improvements.			2	1%
	15D	Contribute space on, or adjacent to, the project site for transit improvements.			2	1%
	16	Bike/Scooter Share On-Site			2	1%
Site Design Initiatives	17	Active Transportation Subsidies			3	2%
	18	Gap Closure			5	7%
Site Design Initiatives	19	Bike Repair Station			1	1%
	20	Pedestrian Oriented Uses & Amenities on Ground Floor			4	3%
	21	Pedestrian Oriented Uses & Amenities on Ground Floor			4	3%
Recorded Additional Measure % Total						
GRAND TOTAL						
Total Must be at least 25%						

# C/CAG TDM Mitigation SCORE SHEET

Medical & Lodging Land Use: Large Project : 500+ ADT ; ~50,000+ sq. ft.

## PROJECT INFORMATION

Jurisdiction	
Project Name	
Project Type	
Name of Preparer	
Date Prepared	

## INSTRUCTIONS

Based on Project Information above, complete the Checklist below by assigning points and trip reduction percentages according to Project Type. Input respective values in columns at far right. Select all REQUIRED measures and record total points and trip reduction. Then, select ADDITIONAL measures and record total points and trip reduction. The combined totals should be at least 35% trip reduction. TOD Projects located within 0.5 miles of station with high-quality transit service shall be subject 25% trip reduction.

For TDM measures highlighted orange, pay special attention to the assigned points based on Project Type. Input the appropriate assigned value in the scoring column at right. Also refer to the C/CAG Policy Approach Document, Appendix B - TDM Scoring Methodology to advise applicants of specific requirements for fulfilling these measures.

IMPORTANT: If a REQUIRED measure is proven to be infeasible (cost-prohibitive or otherwise), the governing jurisdiction may wish to substitute a suitable ADDITIONAL measure (or measures) of comparable trip reduction value to achieve the total required trip reduction impact.

## ESSENTIAL TERMINOLOGY

"Transit Proximate"	Project located between 0.5 - 3 miles from a transit station or stop with "high quality" transit service.
"Non-Transit Proximate"	Project located 3+ miles from a transit station or stop with "high quality" transit service.
"TOD"	Transit-Oriented Development located less than 0.5 miles from a transit station or stop with "high quality" transit service.
"High quality" transit service	Rail station or a transit stop featuring bus service with maximum 15-minute headways during weekday peak hours of 6-10AM and 3-7PM.

## REQUIRED MEASURES

		Project Type				Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE			
Category	ID	Measure	Point Values				
TDM Mgmt. & Admin	1	TDM Coordinator/Contact Person	1	1	1	0.5%	
	2	Actively Participate in Commute.org, or Transportation Management Association (TMA) Equivalent	8	8	8	6.5%	
	2E	TOD SHUTTLE EXEMPTION (TOD projects are NOT required to implement either shuttle service option below)					
	2F	PRIVATE Shuttle Program/Shuttle Consortium/Fund Transit Service		5	5	8.0%	
	2G	COMMUNITY Shuttle Program/Shuttle Consortium/Fund Transit Service		7	7	10.0%	
Shuttles, Transit & Ridesharing	3	Carpool or Vanpool Program	3	3	3	2.0%	
	4	Transit or Ridesharing Passes/Subsidies	8	8	8	10.0%	
	5	Pre-Tax Transportation Benefits	3	3	3	1.0%	
	6	Design Streets to Encourage Bike/Ped Access	1	1	1	1.0%	
Site Design Initiatives	7	Pedestrian Oriented Uses & Amenities on Ground Floor	4	4	4	3.0%	
Recorded % Total							
Required Measures % Total (TOD)							
Required Measures % Total (Transit Proximate)							
Required Measure % Total (Non-Transit Proximate)							

## ADDITIONAL RECOMMENDED MEASURES

Select enough measures below so that the combined total of REQUIRED + ADDITIONAL measures = at least 35% trip reduction (at least 25% for TODs).

		Project Type				Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE			
Category	ID	Measure	Point Values				
Employee Program	8	Telemedicine	5	5	5	5.0%	
Parking Mgmt.	9	Paid Parking at Market Rate	10	10	10	25.0%	
	10	Short Term Daily Parking	2	2	2	2.0%	
	11	Reduced Parking	8	8	8	10.0%	
	12	Free/Preferential Parking for Employee Carpools	1	1	1	1.0%	
TDM Mgmt. & Admin	13	Developer TDM Fee/TDM Fund	5	5	5	4.0%	
Transit, Shuttles, & Ridesharing	14	Car Share On-Site	3	3	3	1.0%	
	15	Land Dedication or Capital Improvements for Transit	8	8	8	4.0%	
Active Transportation	16	Bike/Scooter Share On-Site	2	2	2	1.0%	
	17	Active Transportation Subsidies	3	3	3	2.0%	
	18	Gap Closure	5	5	5	7.0%	
	19	Bike Repair Station	1	1	1	0.5%	
	20	Showers, Lockers, and Changing Rooms for Cyclists	2	2	2	2.0%	
	21	Secure Bicycle Storage	1	1	1	1.0%	
Additional % Total							
Recorded Additional Measure % Total (TOD)							
Recorded Additional Measure % (Transit Proximate)							
Recorded Additional Measure % (Non-Transit Proximate)							
GRAND TOTAL							
Must be at least 35% (or 25% for TODs)							

# C/CAG TDM Mitigation SCORE SHEET

Medical & Lodging Land Use: Small Project : 100-499 ADT ; ~10,000-49,999 sq. ft.

## PROJECT INFORMATION

Jurisdiction	
Project Name	
Project Type	
Name of Preparer	
Date Prepared	

## INSTRUCTIONS

Based on Project Information above, complete the Checklist below by assigning points and trip reduction percentages according to Project Type. Input respective values in columns at far right. Select all REQUIRED measures and record total points and trip reduction. Then, select ADDITIONAL measures and record total points and trip reduction. The combined totals should be at least 35% trip reduction. TOD Projects located within 0.5 miles of station with high-quality transit service shall be subject 25% trip reduction.

For TDM measures highlighted orange, pay special attention to the assigned points based on Project Type. Input the appropriate assigned value in the scoring column at right. Also refer to the *C/CAG Policy Approach Document, Appendix B - TDM Scoring Methodology* to advise applicants of specific requirements for fulfilling these measures.

**IMPORTANT:** If a REQUIRED measure is proven to be infeasible (cost-prohibitive or otherwise), the governing jurisdiction may wish to substitute a suitable ADDITIONAL measure (or measures) of comparable trip reduction value to achieve the total required trip reduction impact.

## ESSENTIAL TERMINOLOGY

"Transit Proximate"	Project located between 0.5 - 3 miles from a transit station or stop with "high quality" transit service.
"Non-Transit Proximate"	Project located 3+ miles from a transit station or stop with "high quality" transit service.
"TOD"	Transit-Oriented Development located less than 0.5 miles from a transit station or stop with "high quality" transit service.
"High quality" transit service	Rail station or a transit stop featuring bus service with maximum 15-minute headways during weekday peak hours of 6-10AM and 3-7PM.

## REQUIRED MEASURES

		Project Type				Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE			
Category	ID	Measure			Point Values		
TDM Mgmt. & Admin	1	TDM Coordinator/Contact Person			1	1	0.5%
	2	Actively Participate in Commute.org, or Transportation Management Association (TMA) Equivalent			8	8	6.5%
Shuttles, Transit & Ridesharing	3	Carpool or Vanpool Program			3	3	2.0%
	4	Transit or Ridesharing Passes/Subsidies			8	8	10.0%
	5	Pre-Tax Transportation Benefits			3	3	1.0%
Site Design Initiatives	6	Design Streets to Encourage Bike/Ped Access			1	1	1.0%
	7	Pedestrian Oriented Uses & Amenities on Ground Floor			4	4	3.0%
							Recorded % Total
							Required Measures % Total (TOD)
							Required Measures % Total (Transit Proximate)
							Required Measure % Total (Non-Transit Proximate)

## ADDITIONAL RECOMMENDED MEASURES

Select enough measures below so that the combined total of REQUIRED + ADDITIONAL measures = at least 35% trip reduction (at least 25% for TODs).

		Project Type				Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE			
Category	ID	Measure			Point Values		
Employee Program	8	Telemedicine			5	5	5.0%
Parking Mgmt.	9	Paid Parking at Market Rate			10	10	25.0%
	10	Short Term Daily Parking			2	2	2.0%
	11	Reduced Parking			8	8	10.0%
	12	Free/Preferential Parking for Employee Carpools			1	1	1.0%
TDM Mgmt. & Admin	13	Developer TDM Fee/TDM Fund			5	5	4.0%
Transit, Shuttles, & Ridesharing	14	Car Share On-Site			3	3	1.0%
	15	Land Dedication or Capital Improvements for Transit			8	8	4.0%
	16	Shuttle Program/Shuttle Consortium/Fund Transit Service				5	10.0%
Active Transportation	17	Bike/Scooter Share On-Site			2	2	1.0%
	18	Active Transportation Subsidies			3	3	2.0%
	19	Gap Closure			5	5	7.0%
	20	Bike Repair Station			1	1	0.5%
	21	Showers, Lockers, and Changing Rooms for Cyclists			2	2	2.0%
	22	Secure Bicycle Storage			1	1	1.0%
							Additional % Total
							Recorded Additional Measure % Total (TOD)
							Recorded Additional Measure % (Transit Proximate)
							Recorded Additional Measure % (Non-Transit Proximate)
							GRAND TOTAL
							Must be at least 35% (or 25% for TODs)



# C/CAG TDM Mitigation SCORE SHEET

## Retail Land Use: Large Project : 500 ADT: ~100+ FTE

### PROJECT INFORMATION

Jurisdiction	
Project Name	
Project Type	
Name of Preparer	
Date Prepared	

### INSTRUCTIONS

Based on Project Information above, complete the Checklist below by assigning points and trip reduction percentages according to Project Type. Input respective values in columns at far right. Select all REQUIRED measures and record total points and trip reduction. Then, select ADDITIONAL measures and record total points and trip reduction. The combined totals should be at least 35% trip reduction. TOD Projects located within 0.5 miles of station with high-quality transit service shall be subject 25% trip reduction.

For TDM measures highlighted orange, pay special attention to the assigned points based on Project Type. Input the appropriate assigned value in the scoring column at right. Also refer to the C/CAG Policy Approach Document, Appendix B - TDM Scoring Methodology to advise applicants of specific requirements for fulfilling these measures.

IMPORTANT: If a REQUIRED measure is proven to be infeasible (cost-prohibitive or otherwise), the governing jurisdiction may wish to substitute a suitable ADDITIONAL measure (or measures) of comparable trip reduction value to achieve the total required trip reduction impact.

### ESSENTIAL TERMINOLOGY

"Transit Proximate"	Project located between 0.5 - 3 miles from a transit station or stop with "high quality" transit service.
"Non-Transit Proximate"	Project located 3+ miles from a transit station or stop with "high quality" transit service.
"TOD"	Transit-Oriented Development located less than 0.5 miles from a transit station or stop with "high quality" transit service.
"High quality" transit service	Rail station or a transit stop featuring bus service with maximum 15-minute headways during weekday peak hours of 6-10AM and 3-7PM.

### REQUIRED MEASURES

		Project Type			Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE		
Category	ID	Measure	Point Values			
Parking Mgmt. for Ridesharing	1	Free/Preferential Parking for Carpools	1	1	1	1.0%
	2	TDM Coordinator/Contact Person	1	1	1	0.5%
TDM Mgmt. & Admin	3	Actively Participate in Commute.org, or Transportation Management Association (TMA) Equivalent	8	13	8	6.5%
	4	Carpool or Vanpool Program	3	3	3	2.0%
Shuttles, Transit & Ridesharing	5	Transit or Ridesharing Passes/Subsidies	8	8	8	10.0%
	6	Pre-Tax Transportation Benefits	3	3	3	1.0%
Active Transportation	7	Secure Bicycle Storage	1	1	1	1.0%
Site Design Initiatives	8	Design Streets to Encourage Bike/Ped Access	1	1	1	1.0%
	9	Pedestrian Oriented Uses & Amenities on Ground Floor	4	4	4	3.0%
Recorded % Total						
Required Measures % Total (TOD)						
Required Measures % Total (Transit Proximate)						
Required Measures % Total (Non-Transit Proximate)						

### ADDITIONAL RECOMMENDED MEASURES

Select enough measures below so that the combined total of REQUIRED + ADDITIONAL measures = at least 35% trip reduction (at least 25% for TODs).

		Project Type			Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE		
Category	ID	Measure	Point Values			
Parking Mgmt.	10	Paid Parking at Market Rate	10	10	10	25.0%
	11	Short Term Daily Parking	2	2	2	2.0%
	12	Parking Guidance Information System combined w/Congestion Pricing	1	1	1	2.0%
TDM Mgmt. & Admin	13	Developer TDM Fee/TDM Fund	5	5	5	4.0%
Transit, Shuttles, & Ridesharing	16	Car Share On-Site	3	3	3	1.0%
	17	Land Dedication or Capital Improvements for Transit	8	8	8	4.0%
	18	Shuttle Program/Shuttle Consortium/Fund Transit Service			5	10.0%
Active Transportation	19	Bike/Scooter Share On-Site	2	2	2	1.0%
	20	Active Transportation Subsidies	3	3	3	2.0%
	21	Gap Closure	5	5	5	7.0%
	22	Bike Repair Station	1	1	1	0.5%
	23	Showers, Lockers, and Changing Rooms for Cyclists	2	2	2	2.0%
Additional % Total						
Recorded Additional Measure % Total (TOD)						
Recorded Additional Measure % (Transit Proximate)						
Recorded Additional Measure % (Non-Transit Proximate)						
GRAND TOTAL						
Must be at least 35% (or 25% for TODs)						

# C/CAG TDM Mitigation SCORE SHEET

## Retail Land Use: Small Project : 100-499 ADT; ~30-99 FTE

### PROJECT INFORMATION

Jurisdiction	
Project Name	
Project Type	
Name of Preparer	
Date Prepared	

### INSTRUCTIONS

Based on Project Information above, complete the Checklist below by assigning points and trip reduction percentages according to Project Type. Input respective values in columns at far right. Select all REQUIRED measures and record total points and trip reduction. Then, select ADDITIONAL measures and record total points and trip reduction. The combined totals should be at least 35% trip reduction. TOD Projects located within 0.5 miles of station with high-quality transit service shall be subject 25% trip reduction.

For TDM measures highlighted orange, pay special attention to the assigned points based on Project Type. Input the appropriate assigned value in the scoring column at right. Also refer to the C/CAG Policy Approach Document, Appendix B - TDM Scoring Methodology to advise applicants of specific requirements for fulfilling these measures.

IMPORTANT: If a REQUIRED measure is proven to be infeasible (cost-prohibitive or otherwise), the governing jurisdiction may wish to substitute a suitable ADDITIONAL measure (or measures) of comparable trip reduction value to achieve the total required trip reduction impact.

### ESSENTIAL TERMINOLOGY

"Transit Proximate"	Project located between 0.5 - 3 miles from a transit station or stop with "high quality" transit service.
"Non-Transit Proximate"	Project located 3+ miles from a transit station or stop with "high quality" transit service.
"TOD"	Transit-Oriented Development located less than 0.5 miles from a transit station or stop with "high quality" transit service.
"High quality" transit service	Rail station or a transit stop featuring bus service with maximum 15-minute headways during weekday peak hours of 6-10AM and 3-7PM.

### REQUIRED MEASURES

		Project Type			Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE		
Category	ID	Measure			Point Values	
Parking Mgmt. for Ridesharing	1	Free/Preferential Parking for Carpools			1	1.0%
	2	TDM Coordinator/Contact Person			1	0.5%
TDM Mgmt. & Admin	3	Actively Participate in Commute.org, or Transportation Management Association (TMA) Equivalent			8	6.5%
	3A	Certified participation in Commute.org, or equivalent program such as TMA			13	16.5%
	3B	Commute assistance and ride-matching			2	4.0%
	3C	Shuttle Program/Shuttle Consortium/Fund Transit Service			4	1.0%
	3D	Guaranteed Ride Home			5	0.5%
	3E	Orientation, Education, Promotional Programs and/or Materials			1	1.0%
Shuttles, Transit & Ridesharing	4	Carpool or Vanpool Program			3	3.0%
	5	Transit or Ridesharing Passes/Subsidies			8	1.0%
	6	Pre-Tax Transportation Benefits			3	1.0%
Active Transportation	7	Secure Bicycle Storage			1	2.0%
Site Design Initiatives	8	Design Streets to Encourage Bike/Ped Access			1	1.0%
Recorded % Total						
Required Measures % Total (TOD)						
Required Measures % Total (Transit Proximate)						
Required Measure % Total (Non-Transit Proximate)						

### ADDITIONAL RECOMMENDED MEASURES

Select enough measures below so that the combined total of REQUIRED + ADDITIONAL measures = at least 35% trip reduction (at least 25% for TODs).

		Project Type			Est. Trip Reduction %	TRIP REDUCTION SCORE (%)
		TOD	TRANSIT PROXIMATE	NON-TRANSIT PROXIMATE		
Category	ID	Measure			Point Values	
Parking Mgmt.	9	Paid Parking at Market Rate			10	25.0%
	10	Short Term Daily Parking			2	2.0%
	11	Parking Guidance Information System combined w/Congestion Pricing			1	2.0%
TDM Mgmt. & Admin	12	Developer TDM Fee/TDM Fund			5	4.0%
Transit, Shuttles, & Ridesharing	13	Car Share On-Site			3	1.0%
	14	Land Dedication or Capital Improvements for Transit			8	4.0%
	15	Shuttle Program/Shuttle Consortium/Fund Transit Service			5	10.0%
Active Transportation	16	Bike/Scooter Share On-Site			2	1.0%
	17	Active Transportation Subsidies			3	2.0%
	18	Gap Closure			5	7.0%
	19	Bike Repair Station			1	0.5%
	20	Showers, Lockers, and Changing Rooms for Cyclists			2	2.0%
Site Design Initiatives	21	Pedestrian Oriented Uses & Amenities on Ground Floor			4	3.0%
Additional % Total						
Recorded Additional Measure % Total (TOD)						
Recorded Additional Measure % (Transit Proximate)						
Recorded Additional Measure % (Non-Transit Proximate)						
GRAND TOTAL						
Must be at least 35% (or 25% for TODs)						

## Appendix B *Glossary of TDM Measures*

## *A. Employee & Resident Amenities & Programs*

**Delivery amenities** - Offer delivery supportive amenities, such as an area for receipt of deliveries, such as clothes lockers for laundry or dry cleaning, storage for package deliveries or temporary refrigeration for grocery deliveries. Delivery supportive amenities can help reduce the need for individual vehicle ownership and individual vehicle trips, by consolidating trips to and from one central location into one trip with multiple stops.

**Family supportive amenities** – To address challenges that families face in making trips without a private vehicle, the property owner should provide family supportive amenities, such as on-site secure storage of personal car seats, strollers, cargo bicycles, or other large bicycles. Property owners can also provide shared building equipment, such as shopping carts or cargo bicycles for check out by residents.

**Orientation, education or promotional programs and/or materials** – Offer new employees or residents an orientation or education program or materials. This should explain the importance of trip reduction methods and provide information on alternative transport mode options available at the site, including transit schedules, maps, and trip planning. These orientation or education programs and materials can also highlight transportation-focused benefits or amenities available to employees or residents, such as pre-tax benefits, car share, bike share, or shuttle services.

**Flex time, compressed work week, or telecommuting** – Flextime allows employees some flexibility in their daily work schedules. Flextime reduces peak period congestion directly by shifting trips to before or after peak periods and can also make ridesharing and transit use more feasible. Compressed work week allows employees to work fewer but longer days, thereby reducing the need to commute on the employee's day off. Telecommuting functions, similarly, allowing employees to work from home rather than the office, reducing vehicle travel on the days they work remotely.

**Guaranteed Ride Home** – Offer employees a Guaranteed Ride Home (GRH) program to provide an occasional subsidized ride to commuters who use alternative modes, for example, if a bus rider must return home in an emergency, or a car pooler must stay at work later than expected. This addresses a common objection to the use of alternative modes. In San Mateo County, a countywide GRH program is managed by Commute.org. This program is open to all persons with a workplace in San Mateo County or students who commute to a participating college in San Mateo County.

## *B. Parking Management*

**Paid parking at market rates** – Motorists pay directly for using parking facilities. Parking rates should be at the market rate and not subsidized by property owners or employers. Paid parking can result in more efficient use of parking facilities, address specific parking problems, ensure that parking is available for intended users, and reduce total parking requirements. Paid parking, however, can disproportionately impact low-income persons and must be a consideration when setting rates and policies.

**Reduced parking** – Provide off-street private parking below local zoning code required minimums for a per-unit or square foot basis. Reduced parking can encourage new development at higher densities and can promote greater use alternative transportation modes, particularly in combination with other TDM measures. This measure, however, is typically only effective when parking is constrained, and ample on-street parking is not available.

**Free or preferential parking for carpoolers/vanpoolers** – Provide free or preferential parking, including reserved spaces or spaces near an entrance or in another desirable location, to incentivize ridesharing.

**Short term daily parking** – Offer daily or hourly parking rates that are proportional to the monthly rate or approximately the cost of a two single transit fares. Eliminating unlimited-use passes altogether can also be beneficial as a trip-reduction measure, instead offering daily tickets, so commuters save money every day they avoid driving.

**Parking guidance information system combined w/congestion pricing** - Provide smart parking technology (parking guidance and way finding, changeable message signs) at a transit station with a secure entrance and exit, and over 50 spaces dedicated to smart parking spaces.

### *C. TDM Management & Administration*

**TDM Coordinator/Contact Person** – Provide a TDM coordinator or contact person. This individual may either be an employee of the development project or may be a contracted through a third-party provider. The TDM coordinator should provide oversight and management of the project's TDM Plan implementation. In this way, a single representative of the property owner is aware of and responsible for the orderly and timely implementation of all aspects of the TDM Plan and can adequately manage the components of the TDM Plan.

**Actively participate in Commute.org, or Transportation Management Association equivalent** – Sites shall register with Commute.org or else join or create a Transportation Management Association (TMA) with equivalent TDM service, whose role is to coordinate transportation-related programs and services in specific geographic areas.

Notably, for Large Non-Residential (Office, Industrial, Institutional, as well as Medical & Lodging) projects categorized as Transit Proximate there are five components an applicant must fulfill to satisfactorily implement this measure:

1. Obtain certification of participation with Commute.org, or equivalent program.
2. Provide commute assistance or ride-matching program.
3. Provide (or fund) a dedicated shuttle program/consortium or equivalent transit service.
4. Provide Guaranteed Ride Home
5. Supply orientation, education, and promotional programs and/or materials for tenants

For all other project size and land use classifications, the third component above is not requirement as part of this measure.

**Developer TDM fee/TDM fund** – Impact fees can be collected from developers, generally on a per-unit or square footage basis, to fund the implementation of TDM programs. These TDM fees can be put in an escrow account for the developer or subsequent property manager to spend to implement programmatic elements of the TDM plan. Importantly, "double dipping" with the already-required "TMA Participation" measure (above) is not allowed. This measure cannot

be given credit for TDM fund payment or developer fees already required by fee nexus ordinance by the governing jurisdiction. Credit here may only be given for voluntary TDM fund payment or developer fee negotiated separately with the governing jurisdiction.

#### *D. Transit, Shuttles, & Ridesharing*

**Carpool or vanpool program** – Carpool and vanpooling are types of ridesharing that seek to allow vehicles to carry additional passengers when making a trip, with minimal additional mileage. Carpooling generally uses participants' own automobiles. Vanpooling generally uses leased vans (often supplied by employers, non-profit organizations, or government agencies). Carpool and vanpool programs may receive financial incentives from property managers or employers, as well as ride-matching services to help facilitate these shared trips.

**Commute assistance and ride-matching** – Establish a commute assistance program to provide individualized trip planning services. These services can help employees and residents understand the range of transportation options available to them based on their commute patterns. Ride-matching services aim to find carpools or vanpools for employees or residents with similar commute patterns. Dynamic ridesharing apps are increasing in popularity and allow for ride-matching on a day-by-day basis.

**Shuttle program / Shuttle consortium / Fund transit service** – Establish a shuttle service to regional transit hubs, commercial centers, or residential areas. Shuttle service should be provided free of charge to residents, employees, and guests. Alternatively, a project site may buy into a shuttle consortium with neighboring developments to pool resources and run shuttle services to multiple nearby sites. Developers may also fund enhanced transit service to/from their project site in collaboration with SamTrans.

**Transit or ridesharing passes/subsidies** – Offer public transit passes or subsidies; or carpool/vanpool subsidies to tenants' equivalent to 30% of the value of their monthly fare or \$50 monthly, to incentivize transit use and ridesharing and comply with regional environmental sustainability goals. NOTE: Funding contributions towards and/or participation in Commute.org shuttle program does not count for this measure. Passes/subsidies provided must be valid for public transportation options, including but not limited to BART, Caltrain, SamTrans, and ridesharing platforms and vanpool subscription (or costs).

**Pre-tax transportation benefits for employees** – Allow employees to participate in a pre-tax transit and parking benefits program to save money and encourage the use of sustainable transportation modes. In the Bay Area, the Bay Area Air Quality Management District (BAAQMD) requires that employers with 50+ employees within the air district provide commuter benefits.

**Car share on-site** – Provide on-site car share or vehicle fleets. Availability of car-share vehicles reduces the need for individual vehicle ownership, which, in turn, reduces VMT of individuals. Car share provides vehicles for those trips that are not convenient to make by transit, walking, or bicycling, such as large shopping trips. Subsidizing car share membership creates a higher demand for car share vehicles and may reduce the barrier for individuals to try car share services. Similarly, on-site fleet vehicles at employer sites allow employees who use a commute alternative to run errands during the day or attend off-site meetings.

**Land dedication or capital improvements for transit** – Contribute space on, or adjacent to, the project site for transit improvements. Scoring for this measure is tiered, based how many improvements are implemented from the list of sub-types: Bus Pullout Space; Bus Shelter; Visual/Electrical Improvements; Other (micromobility parking zone, TNC loading zone, et al). Each of these improvement sub-types is worth 2 points. Achieving 4 improvements equals the full 8 points. Land dedication sufficient to accommodate at least 4 improvements will also score the full number of points.

### *E. Active Transportation*

**Secure bicycle storage (long term and short term)** – Provide safe and convenient long-term (Class I) bicycle parking. Long-term bicycle parking should offer protection from weather and convenient access to and from the street, without the need to use stairs and with doorways and corridors that are sufficiently wide to navigate with a bicycle. Short term (Class II) bicycle parking should be near pedestrian entries and may be in the public right-of-way. Short term bicycle parking may be used for visitors, couriers, or customers, typically for less than two hours.

**Bike share on-site** – Provide on-site bike share or bicycle fleets. Availability of bike-share bikes or bicycle fleets reduces the need for individual vehicle ownership and use, which, reduced the number of VMT by individuals. Bike share systems allow for bikes to be rented at one location and returned to another. Bike share systems can play a role in the first or last mile of a commute. Subsidizing or offering complementary bike share memberships, can encourage greater use of the bike share systems and may reduce the barrier for individuals to try bike share. Similarly, on-site fleet bicycles at employer sites allow employees who either drive or a commute alternative to run errands during the day, using a non-motorized form of transport.

**Active transportation subsidies** – Offer employees or residents who use active transportation subsidies other incentives (gift cards, prizes). This can promote and encourage use of these modes and reward those who walk or bike to work.

**Gap Closure** – Establish pedestrian and bicycle connections from a project site to existing trails, bikeways, or adjacent streets. This can promote walking and biking by improving safety and comfort and making local and regional connections easier to access. This measure not only benefits site employees or residents, but also other pedestrians and cyclists in the area, particularly if the new development is able to close gaps in the bicycle or pedestrian network or improves overall access to these facilities.

**Bicycle repair station or maintenance services** – Offer a bicycle repair station or toolkit, within a designated, secure area of the building, such as a bicycle storage room, to encourage bicycling and support employees and residents who cycle. Tools and supplies can include those necessary for fixing a flat tire, adjusting a chain, and performing other basic bicycle maintenance. Maintenance services can also be offered to each resident or employee at least once annually, covering basic services such as a tune-up and inspection.

**Bike buddy program or bicycle education program** – Establish a bike buddy program to match up beginning cyclists with experienced cyclists. A bike buddy program can help employees find the safest and fastest commute routes to work, provide education on road cycling safety and gear, and provide the motivation to bicycle rather than drive.

**Showers, changing rooms, and lockers** – These amenities serve as end of trip facilities for employees arriving by bike or other active transportation forms. Commuters who bicycle or walk often arrive wet, muddy or sweaty. Providing employees with a place to shower, change and store clothes can encourage bicycle commuting. Such facilities also benefit employees who exercise during breaks or may occasionally need to wash and change clothes for other reasons.

#### *F. Site Design Initiatives*

**Design streets / roads that encourage pedestrian and bicycle access** – Design street or roadways that provide travel choices and give people the option to avoid traffic congestion, increasing the overall capacity of the transportation network. Street designs should enable safe access for all users of all ages and abilities. Improving pedestrian and cyclist safety and comfort can increase the use of active transportation for residents or employees of a project site.

**Pedestrian-oriented uses on ground floor** – Include active, pedestrian-oriented commercial uses on the ground floor to create more walkable and inviting areas. Developments should form common and semi-continuous building “walls” along primary street frontages and have uses that promote a high level of customer use and promote pedestrian interest. Providing on-site amenities such as cafes, gyms, childcare, retail or banking institutions, for example, can encourage walking by making the street visually appealing and engaging to pedestrians and promote safety through active street-level uses.



## Appendix C *References Specific to ADT Trip Reduction Methodology*



The references listed below are specified, separate from Appendix D reference materials, for their relevance to the recommended ADT trip reduction methodology set forth in this C/CAG TDM Policy:

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## Appendix D *Research References*

## *Numerical Citations in Background TDM Checklist Worksheets (see Appendix A)*

1. California Air Pollution Control Officers Association (CAPCOA). (2010). *Quantifying Greenhouse Gas Mitigation Measures: A Resource for Local Government to Assess Emission Reductions from Greenhouse Gas Mitigation Measures*. <http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf>
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### *Additional References Informing the C/CAG TDM Policy Update*

- [Belmont TDM Program, https://www.belmont.gov/departments/public-works/transportation/tdm-transportation-demand-management-program](https://www.belmont.gov/departments/public-works/transportation/tdm-transportation-demand-management-program)
- [Burlingame TSM Municipal Code, http://qcode.us/codes/burlingame/?view=desktop&topic=25-25\\_48-25\\_48\\_080](http://qcode.us/codes/burlingame/?view=desktop&topic=25-25_48-25_48_080)
- [Colma TSM Ordinance, http://docplayer.net/144804315-Chapter-five-planning-zoning-use-and-development-of-land-and-improvements.html](http://docplayer.net/144804315-Chapter-five-planning-zoning-use-and-development-of-land-and-improvements.html)
- [Daly City TSM Municipal Code, https://library.municode.com/ca/daly\\_city/codes/code\\_of\\_ordinances?nodeId=TIT10VETR\\_CH10.80TRSYMATSPR](https://library.municode.com/ca/daly_city/codes/code_of_ordinances?nodeId=TIT10VETR_CH10.80TRSYMATSPR)
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- [Foster City TSM Municipal Code, https://www.codepublishing.com/CA/FosterCity/html/FosterCity10/FosterCity1076.html](https://www.codepublishing.com/CA/FosterCity/html/FosterCity10/FosterCity1076.html)

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- [Millbrae TSM Municipal Code, https://www.codepublishing.com/CA/Millbrae/html/Millbrae04/Millbrae0485.html](https://www.codepublishing.com/CA/Millbrae/html/Millbrae04/Millbrae0485.html)
- [Mountain View TDM Municipal Code, https://library.municode.com/ca/mountain\\_view/codes/code\\_of\\_ordinances?nodeId=PTIITHCO\\_CH19MOVETR\\_ARTXTRDEMA](https://library.municode.com/ca/mountain_view/codes/code_of_ordinances?nodeId=PTIITHCO_CH19MOVETR_ARTXTRDEMA)
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- [San Mateo TSM Municipal Code, https://sanmateo.ca.us.open.law/us/ca/cities/san-mateo/code/24](https://sanmateo.ca.us.open.law/us/ca/cities/san-mateo/code/24)
- [South San Francisco TDM Municipal Code, http://qcode.us/codes/southsanfrancisco/view.php?topic=20-20\\_400](http://qcode.us/codes/southsanfrancisco/view.php?topic=20-20_400)
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