

VEHICLE MILES TRAVELED (VMT) MITIGATION BANK VOLUNTARY PILOT PROGRAM

Public Works Department

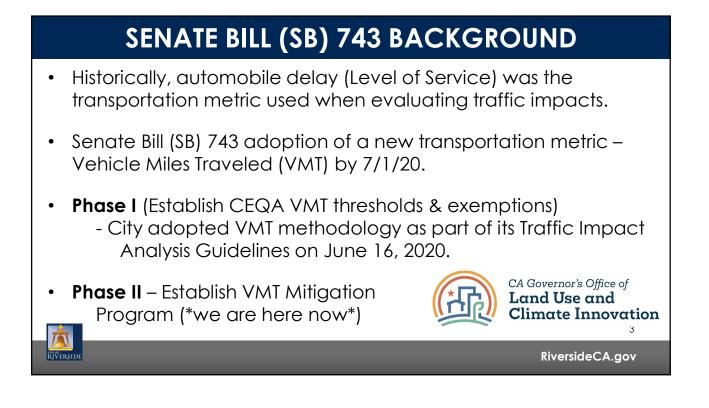
Planning Commission Meeting November 21, 2024

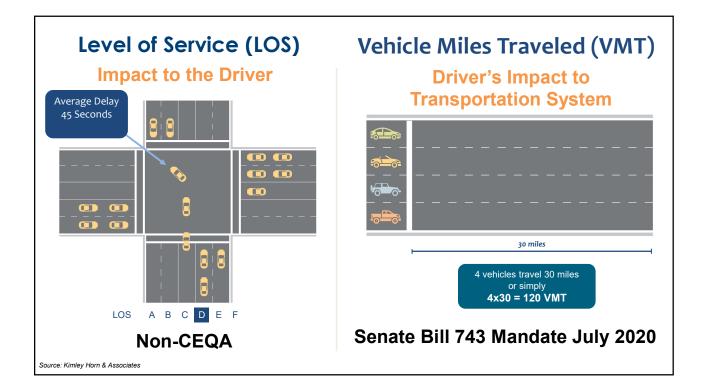
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SUMMARY

- City of Riverside Presentation
 - VMT Background & Exemptions, Current Approach
- Kimley-Horn & Associates (KHA) Presentation
 - Voluntary VMT Mitigation Bank Pilot Program

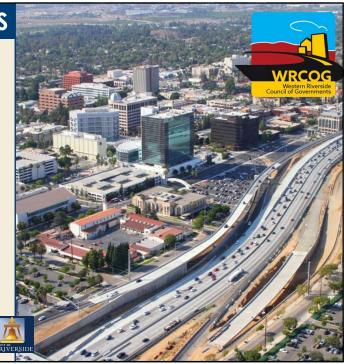


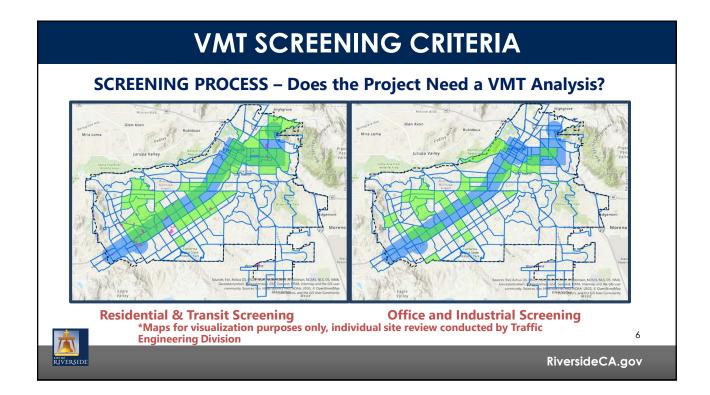


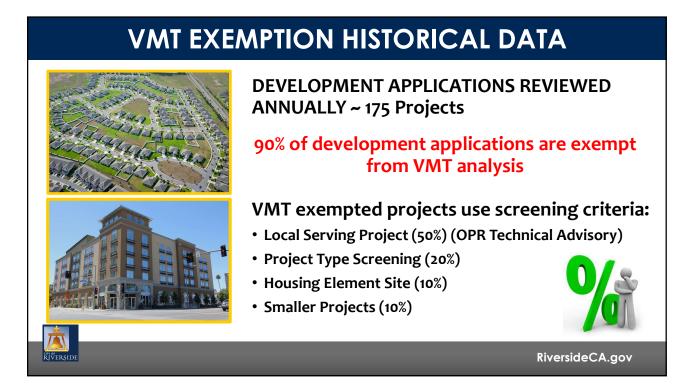


VMT EXEMPTION PROCESS

- W.R.C.O.G. Traffic Impact Study Guidelines with VMT Methodology (Adopted 2020)
- VMT Screening Tool Map of low, moderate or high VMT area & compares to thresholds
- Project Type Screening
 - 1. Transit Priority Area (TPA)
 - 2. Low VMT Area
 - 3. Project Type
 - 4. Mixed Use Projects
 - 5. Redevelopment Projects







VMT IMPACTS & MITIGATION (EXISTING EFFORTS)

• How To Mitigate Significant Impacts of the 10% projects?

- Mitigation measures from CAPCOA Handbook and / or
- Prepare an Environmental Impact Report (EIR)

• <u>Cost</u>:

- EIR costs in the range of 100K-400K; EIR = TIME
- Schedule will take months
- Capital improvements can be excessive
- Lessons Learned:
 - Not so simple as state mandate for local agencies
 - Local agency approach varies widely
 - Full VMT mitigation may not be feasible





VMT MITIGATION PILOT PROGRAM OPTION

- Streamline the development process
- Provide certainty to developers
- Mitigation resource for other agencies

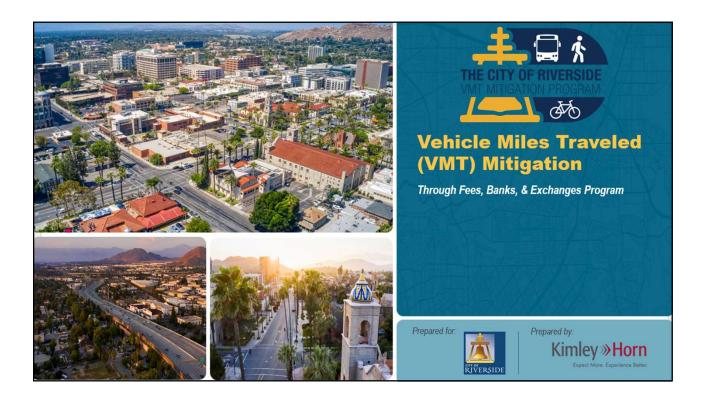


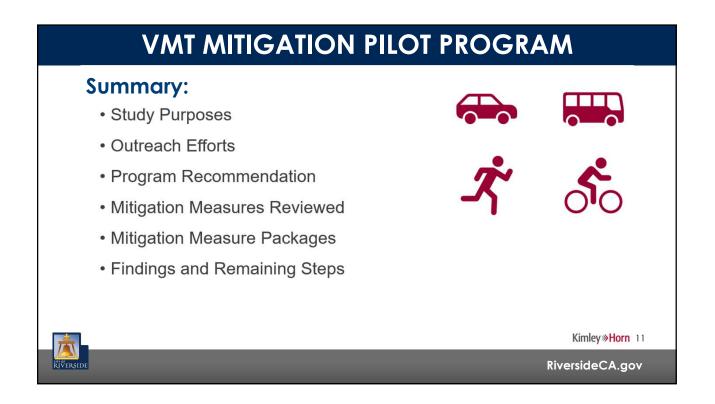


- VMT Mitigation Voluntary Pilot Program
 Started (2023)
 - <u>https://www.riversidevmt.com/</u>
 - ➤Multiple Public Outreach Meetings
 - ≻Goal is to adopt program by 2024!

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VMT MITIGATION PILOT PROGRAM PURPOSE

Study Purposes

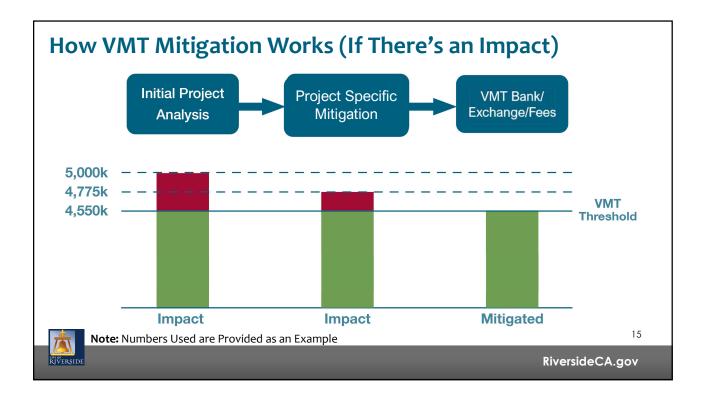
- Identify new solutions to mitigate significant transportations impacts
- Provide information to public about VMT
- Evaluate the feasibility of a VMT Mitigation Program

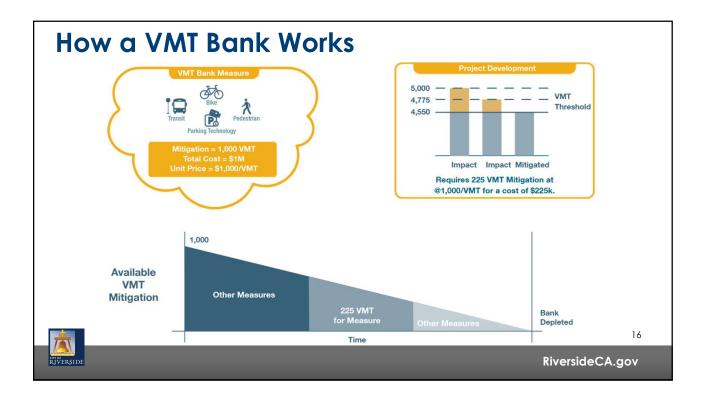
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• VMT Bank is the Recommended Framework

	VMT Bank	VMT Exchange	VMT Impact Fee	
	<u></u>	The		
Predefined Projects	\checkmark	×	~	
Applicant Can Provide a Project Option	×	~	×	
Experience Administering Similar Programs	√/×	×	\checkmark	
Can Result in Low Cost per VMT Reduced	\checkmark	✓/×	×	
Supportive of All SB 743 Goals	\checkmark	~	√/×	





MITIGATION MEASURES REVIEWED

- 29 bike projects analyzed
- 11 pedestrian projects considered, 4 analyzed
- 14 transit operations projects screened
- 6 transit projects analyzed
- 3 Transportation Demand Management (TDM) measures considered
 - Carpool not analyzed
 - Telecommute: Work-from-Home (WFH) every day vs. WFH 1 day a week
 - Analyzed
 - Free Transit Pass not analyzed

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Project ID	roject ID Roadway W		Description	Cost	VMT Reduced	Cost/VMT
14	Columbia Avenue	1	Stripe bike lane between American Dr and Salmon River Rd	\$41,719	90	\$462
15	Cypress Avenue	6,7	Stripe bike lane between La Sierra Ave and Crest Ave	\$38,800	145	\$267
16	Orange Street	1	Construct separated bikeway between 14th St and 3rd St	\$176,239	733	\$240
17	Hole Avenue	6	Stripe buffered bike lane between Collett Ave and Magnolia Ave	\$ 63,360	322	\$197
18	Tyler Street	6,7	Stripe bike lane between Diana Ave and Arlington Ave	\$110,000	571	\$193
19	University Avenue	2	Construct a buffered bike lane between Iowa Ave and Campus Dr	\$133,358	750	\$178
20	Jackson Street	5	Construct bike path between Diana Ave and Magnolia Ave	\$54,600	310	\$176
21	Adams Street	5	Strip buffered bike lane between Diana Ave and Arlington Ave	\$83,200	738	\$113
22	Brockton Avenue	3	Stripe bike lane between Magnolia Ave and Beatty Dr	\$62,605	593	\$106
23	California Avenue	5	Stripe buffered bike lane between Van Buren Blvd and Adams St	\$76,800	801	\$96
24	Van Buren Boulevard	5,6	Stripe buffered bike lane between SR 91 and Arlington Ave	\$161,600	1,904	\$85
25	Monroe Street	5	Stripe buffered bike lane between Diana Ave and Arlington Ave	\$90,400	1,308	\$69
26	Gramercy Place	6	Strip bike boulevard between Crest Ave and Rutland Ave	\$4,400	129	\$34
27	Colorado Avenue	5	Stripe bike boulevard between Van Buren Blvd and Adams St	\$25,944	1,606	\$16
28	Rutland Avenue	6	Stripe bike boulevard between Wells Ave and Arlington Ave	\$15,072	1,058	\$14
29	Wells Avenue	6	Stripe bicycle route between Tyler St and Crest Ave	\$5,960	614	\$10
			\$1,144,057	11,672	\$98	

roject ID	Roadway/Route	Ward	From/To or Route Name	Cost	VMT Reduced	Cost/VMT
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32	10	N/A	Riverside/Watkins-Galleria	\$5,900,000	2,285	\$2,582
33	22	N/A	Riverside - Perris	\$5,900,000	2,797	\$2,109
34	13	N/A	Hunter Park Metro-Galleria	\$5,900,000	2,990	\$1,973
35	14	N/A	Galleria-Loma Linda VA	\$5,900,000	3,142	\$1,878
36	12	N/A	Corona Hills Plaza/Riverside/La Cadena-Merced	\$5,900,000	3,553	\$1,660
37	15	N/A	Riverside/Downtown-Merced	\$5,900,000	4,227	\$1,396
			\$36,544,057	30,666	\$1,192	

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37	15	N/A	Riverside/Downtown-Merced	\$5,900,000	4,227	\$1,396
25 (Orange Street	1	Complete street with 5.5-foot sidewalks between SR-60 and Center Street	\$1,000,000	24	\$41,667

PROGRAM \$ / VMT REDUCED COMPARISON							
Agency	VMT Mitigation Program Format	Status	Cost per VMT Reduced (\$/VMT Reduced)				
City of Lancaster	VMT Mitigation Fee Optional Program	Implemented in 2023, with a cost basis of \$150/VMT	\$150/VMT reduced				
City of Palmdale	VMT Bank	Implemented 2024, with a cost basis of \$261/VMT	\$261/VMT reduced				
City of San Diego	Active Transportation In- Lieu Impact Fee	Implemented in 2020, with a cost basis of $1,400$ /VMT	\$1,400/VMT reduced				
City of Watsonville	VMT Bank	Implemented March 2023, with a cost basis of \$1,524/VMT	\$1,524/VMT reduced (maximum)				
San Bernardino County Transportation Authority (SBCTA)	VMT Bank	\$2,000,000 in grant funds awarded in 2024 to seed identified mitigation measures. Telework program expected to result in \$161/VMT reduced	\$161/VMT reduced				
Western Riverside Council of Governments (WRCOG)	VMT Exchange	In development. Optional participation and expected to be implemented in 2025	-				
RIVERSIDE			RiversideCA.gov				

VMT MITIGATION BANK PILOT PROGRAM

Recommendation and Remaining Steps

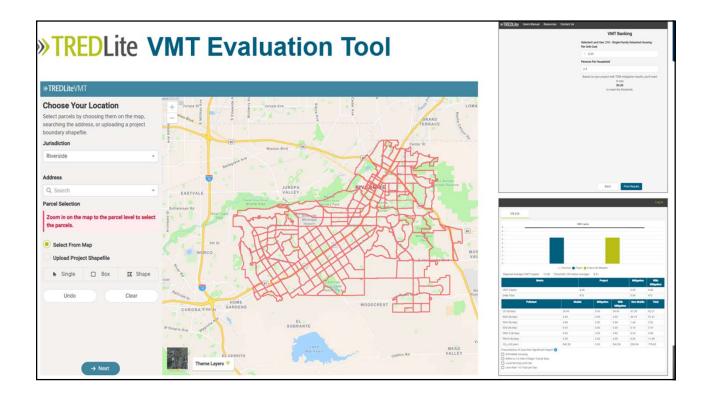
A Voluntary Pilot Program is recommended as the initial step

- VMT Banking
- Option A Mitigation Measures Package
 - Most cost-effective measures

Remaining Steps

- Committee Presentations
- Council Presentations and Adoption
- Pilot Program Implementation and Evaluation
- Final Program Determination

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VMT MITIGATION (ADDITIONAL CONSIDERATIONS)

- VMT Bank Programs:
 - Funds will be utilized for VMT reducing projects (bike, ped & transit)
 - Cannot utilize funding for vehicle improvement projects
 - Proposed WRCOG VMT Mitigation Exchange Program
- General Plan Update:
 - Recommendations from VMT Mitigation Pilot Program
 - Programmatic EIR would allow for tiering of projects
- CEQA VMT Thresholds:

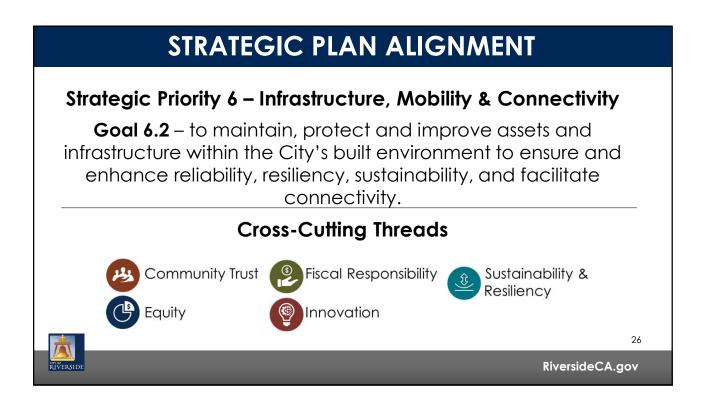
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- 2020 VMT Adoption 15% below baseline
- Amend CEQA VMT Threshold to baseline conditions
- consistent with other jurisdictions (Amend Reso. 23589)

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Description Description Staff recommends that the Planning Commission: 1. RECOMMEND that the City Council: a. Adopt a Resolution approving the Vehicle Miles Traveled (VMT) Mitigation Bank Pilot Program, recommending Option A (VMT Mitigation Bank Option) and associated bike projects detailed within the VMT Mitigation Program Report; 2. RECOMMEND that the City Council: a. Introduce an Ordinance amending Title 16 of the Riverside Municipal Code by adding Chapter 16.80 related to the Vehicle Miles Traveled (VMT) Impact Fee Mitigation Program; 27

RECOMMENDATIONS

Staff recommends that the Planning Commission:

3. RECOMMEND that the City Council modify the existing California Environmental Quality Act (CEQA) VMT transportation Impact threshold to the current jurisdictional baseline VMT per capita for new residential projects and the current jurisdictional baseline VMT per employee for new office and industrial projects and revise the Traffic Impact Analysis (TIA) Guidelines accordingly.

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