

Purpose of Performance Report

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- Track trends and progress towards goals in transportation plans
 - Countywide Transportation Plan
 - Countywide Bicycle and Pedestrian Plans
 - Congestion Management Program statute
- Identify needs for more extensive analysis
- System-level monitoring
 - Complemented by other more focused monitoring efforts (e.g. LOS monitoring, modal plans)

Scope of Performance Report

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Commute Patterns

General population and employment trends Commute flows Commute mode share



Roadways

Freeway delays Freeway speeds Local road pavement condition Collisions



Transit

Ridership Service utilization Cost-effectiveness Service interruptions & fleet age On-time performance & speed All 7 operators, fixed route only



Bicycling and Walking

Collisions
Counts
Network/project completion from local jurisdiction summaries

Master plan completion Program participation

Data Sources:

Existing or publically available data Previous fiscal year (FY12/13) or most recent available plus historic trends

Key Findings

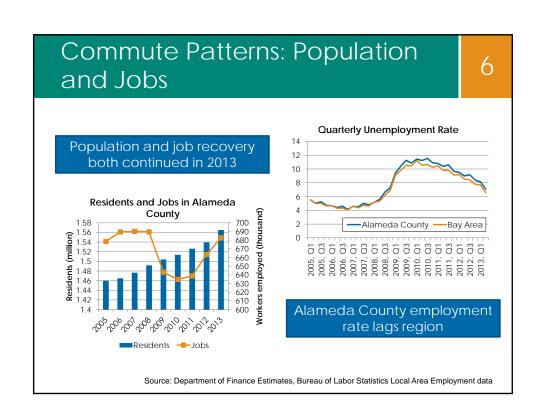
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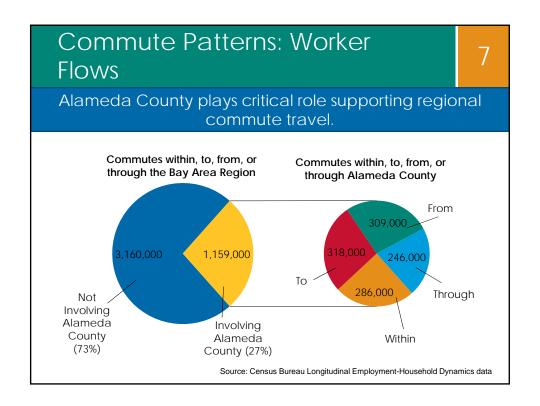
- **Demand for travel on the rise**: Alameda County had largest percentage increase in population in California in 2013 and saw job growth for third consecutive year
- **Uneven employment recovery**: Alameda County employment rate lags the overall Bay Area
- Regionally essential: More than 25% of all Bay Area commuters touch Alameda County
- More regional commute patterns: Alameda County residents increasingly work in other counties; Alameda County workers increasingly commute from other counties
- Balanced commute modes: 36% of Alameda County workers use transit, walking biking, telecommute, or carpool, while 64% drive alone
- More multimodal: share of Alameda County workers using transit, walking, biking, and telecommuting up 5% since 2000

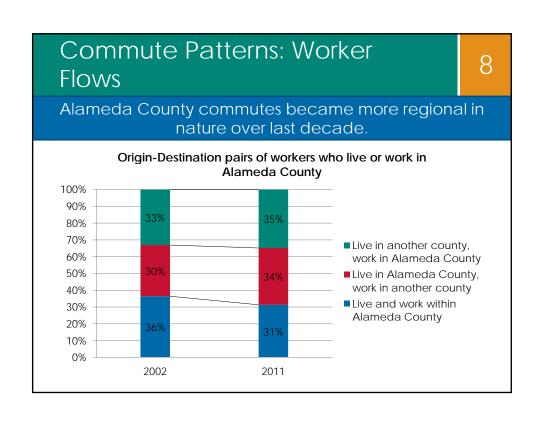
Key Findings, cont.

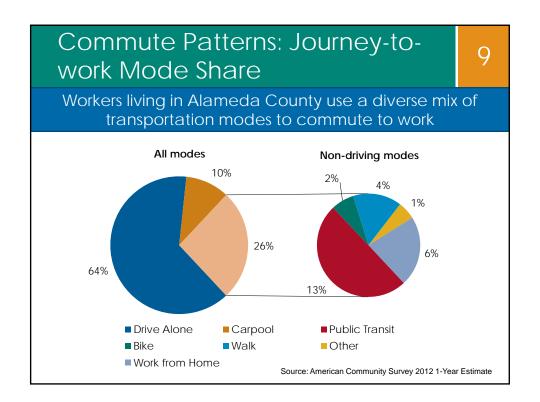
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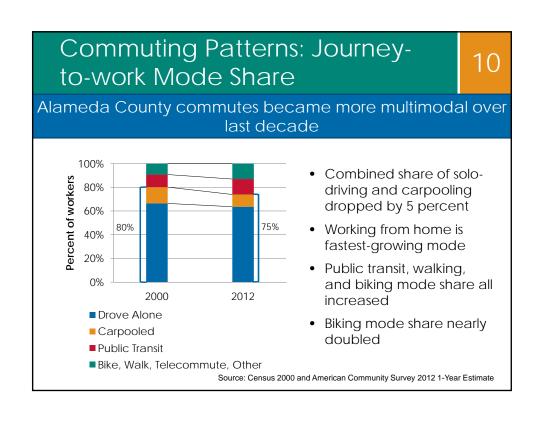
- Freeway congestion up: Severe congestion increased by over 20% on freeways last year
- Local road state of repair unchanged: Average local road condition not improving greatly and 20% of roads are poor or failed
- Overall safety improvements: Roadway collisions are down over last decade
- Transit ridership climbing but challenges loom: Ridership is up overall and for most operators but aging assets, crowding, and dense urban operating conditions (for buses) pose challenges
- Walking and biking: counts are on the rise, collision rates declining, and network buildout continues

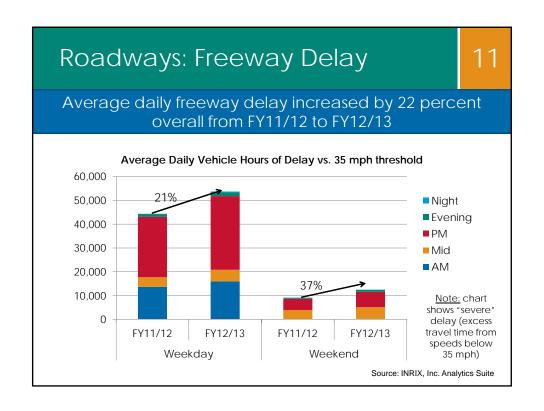


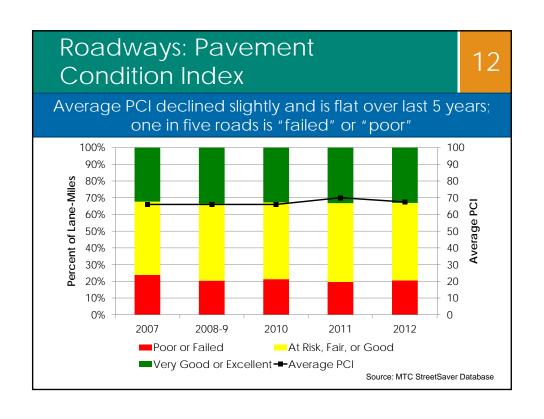


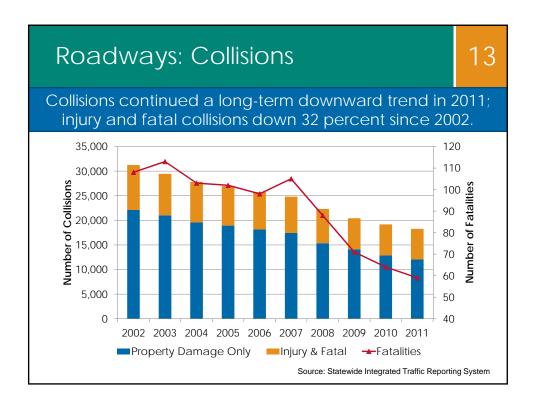


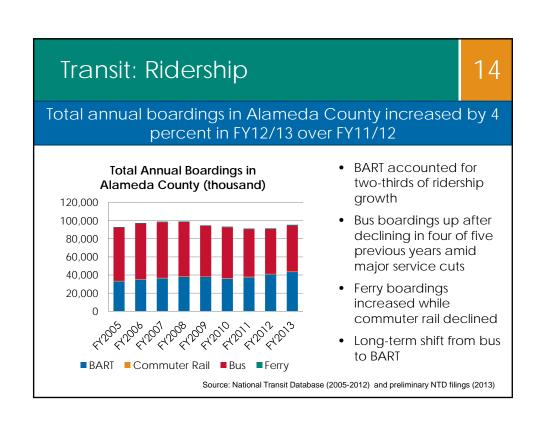












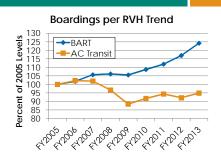
Transit: Service Utilization

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Most transit operators saw improvement or minimal change in service utilization in FY2012-13

- Service utilization is measured by boardings per revenue vehicle hour (RVH)
- BART saw large increase in service utilization and carries nearly 15 passengers per RVH more than in 2005
- AC Transit improved service utilization in FY2013 and has improved this metric in 3 of last 4 years

Source: National Transit Database (2005-2012) and preliminary NTD filings (2013)



	Boardings per Revenue Vehicle Hour					
Transit Operator	FY2005	FY2012	FY2013	Percent Change vs. FY2012	Percent Change vs. FY2005	
BART	55.95	65.44	69.49	6%	24%	
ACE	34.22	38.97	39.82	2%	16%	
AC Transit	36.05	33.23	34.20	3%	-5%	
LAVTA	16.93	14.00	13.86	-1%	-18%	
Union City	10.05	12.74	12.52	-2%	25%	
WETA	75.46	110.22	107.25	-3%	42%	

Transit: Other Trends

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Cost Efficiency

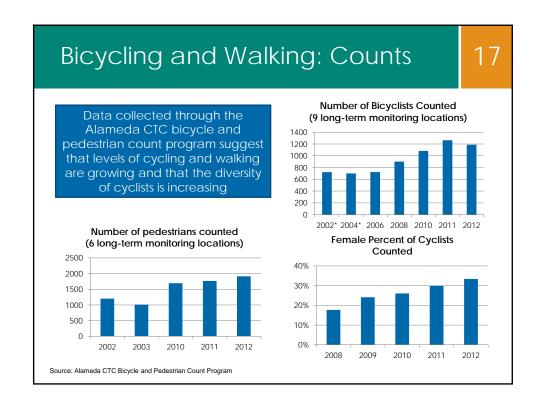
 Most operators have seen increasing in cost per rider and/or cost per Revenue Vehicle Hour since 2005

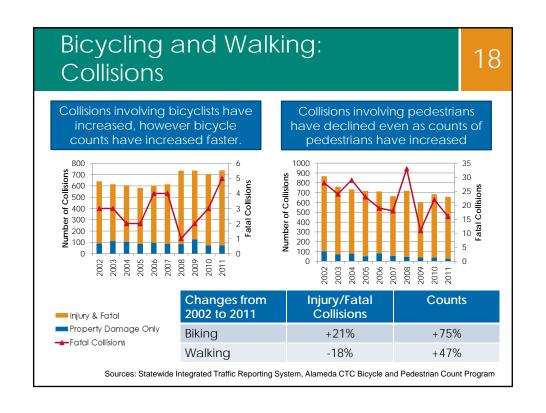
State of Good Repair

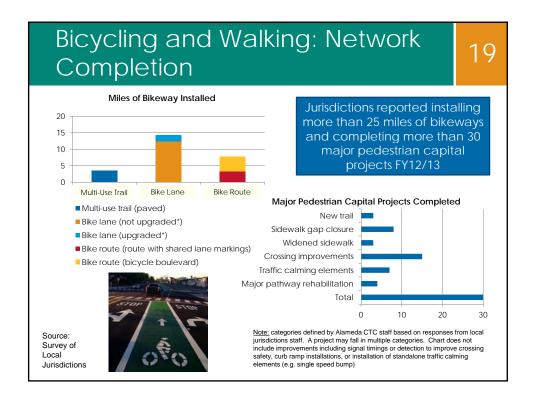
- Frequency of service interruptions declined for all operators in FY12/13
- Fleets of most operators are in midlife on average
 - Union City Transit (relatively new fleet) and BART (very old fleet) are exceptions
 - AC Transit unveiled first shipment of new bus purchase in late FY12/13 and BART procuring new cars

Service Quality

- Experiences improving on-time performance were mixed
 - AC Transit achieves lower on-time performance but must contend with dense, congested urban conditions
- AC Transit has seen steady decline in commercial speed (speed accounting for delays) since 2005







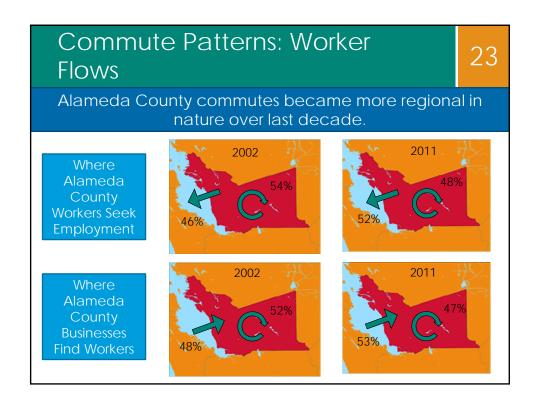
Alameda CTC Performance Monitoring: What's Next?

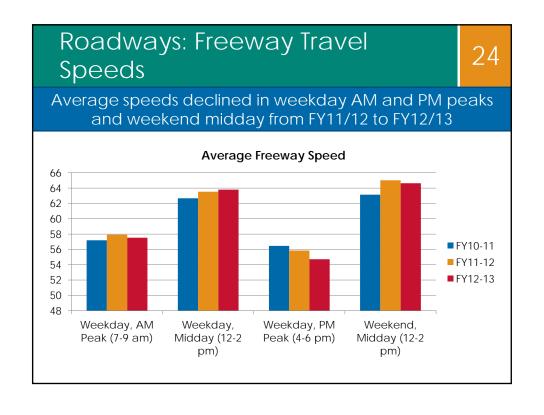
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- Explore ways to integrate data requests with Compliance Reports
- Coordinate with regional agencies on collection of land use data (e.g. development approvals) and evaluation of land use/transportation coordination measures
- Identify new performance measures as part of Goods Movement, Arterials, and Transit plans
 - System-level to Facility-level
- Evaluate investments in relation to performance

Questions?

EXTRAS





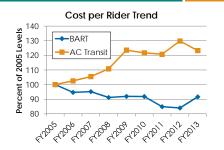
Transit: Cost Efficiency

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Cost containment is a critical challenge facing transit operators

- Cost efficiency is one of many service planning considerations for transit operators; operators achieve different costs per rider based on different technologies and service structures
- BART has generally managed to contain cost per rider though it saw an increase in FY2013
- AC Transit has seen longer term increases in cost per rider, though this metric declined in FY2013

Source: National Transit Database (2005-2012) and preliminary NTD filings (2013)



	Cost per Rider (\$2013)					
Transit Operator	FY2005	FY2012	FY2013	Percent Change vs. FY2012	Percent Change vs. FY2005	
BART	\$5.01	\$4.21	\$4.59	9%	-8%	
ACE	\$20.74	\$15.86	\$16.03	1%	-23%	
AC Transit	\$4.32	\$5.61	\$5.32	-5%	23%	
LAVTA	\$5.76	\$7.36	\$7.14	-3%	24%	
Union City	\$8.73	\$6.26	\$6.64	6%	-24%	
WETA	\$11.19	\$9.57	\$15.03	57%	34%	

Transit: Service Interruptions & Fleet Age

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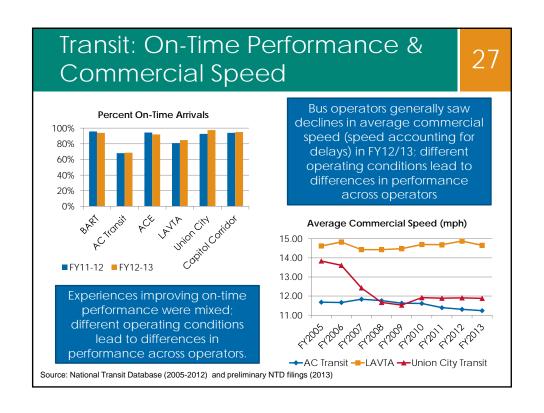
All transit operators reduced the frequency of service interruptions in FY2013

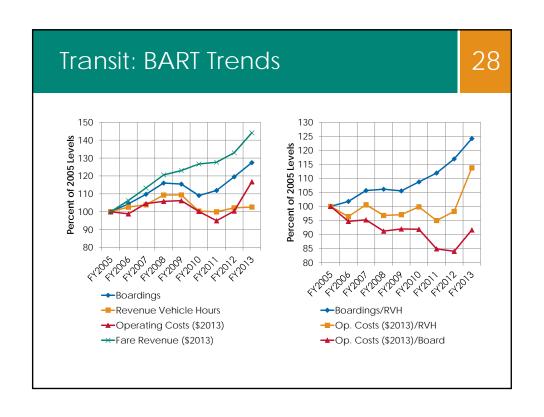
	FY2009	FY2010	FY2011	FY2012	FY2013
<u>Rail</u>	Mean Time Between Service Delay (Hours)				
BART	2,683	2,796	2,995	3,216	3,758
ACE	546	438	388	2,438	359
<u>Bus</u>	Average Distance Between Mechanical Failure (Miles)				
AC Transit	4,656	5,727	7,941	6,556	8,244
LAVTA	4,904	4,837	6,353	15,249	17,397
Union City	3,880	4,902	11,402	13,749	16,505

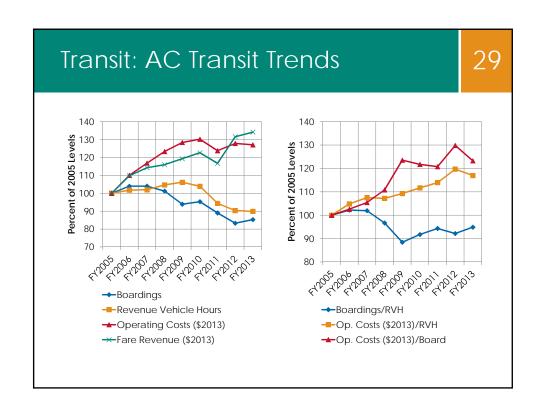
Transit Operator	Average Age (yrs)	Typical Useful Life
BART	33.8	34.8
ACE	13.5/12.1	30/40
AC Transit	7.6	15
LAVTA	8.7	15
Union City	4.4	12
WETA	12.6	15

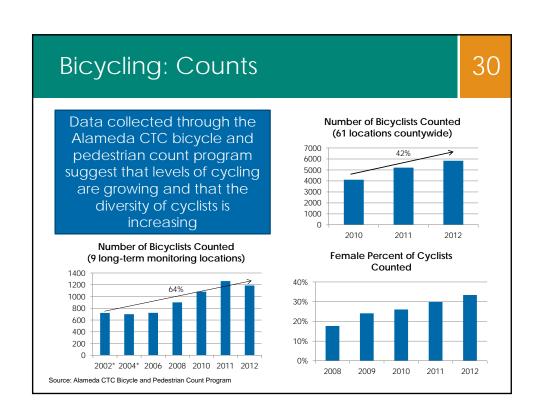
The fleets of most operators are midway through their useful lives on average

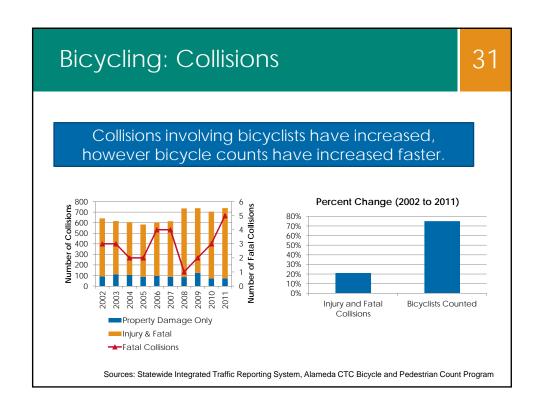
Source: National Transit Database (2005-2012) and preliminary NTD filings (2013)



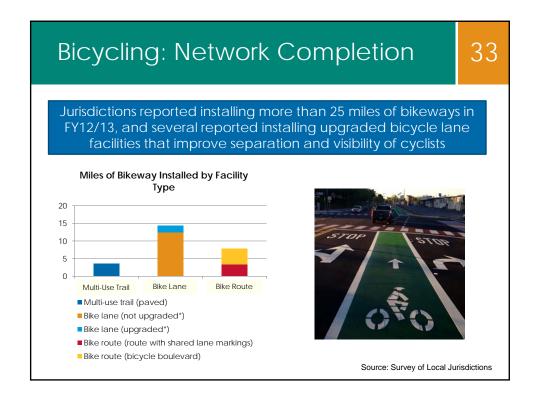


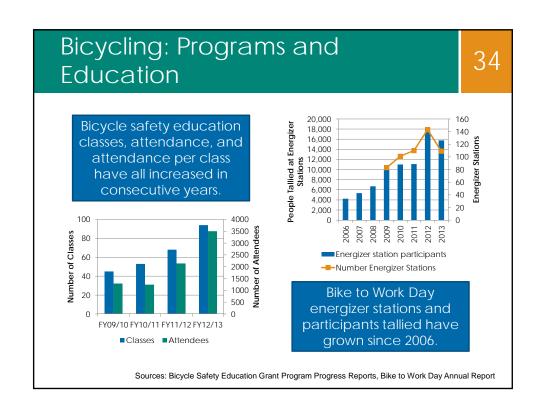


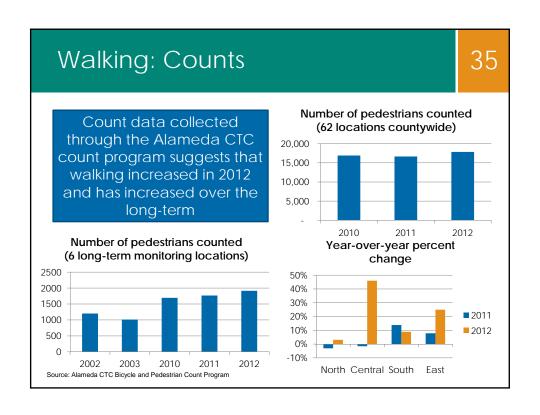


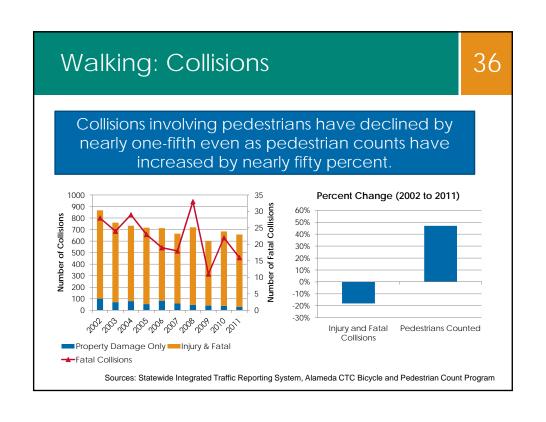






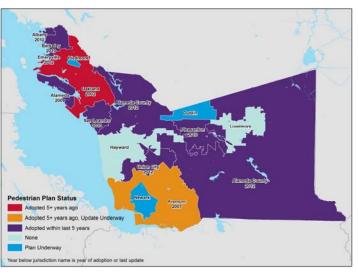






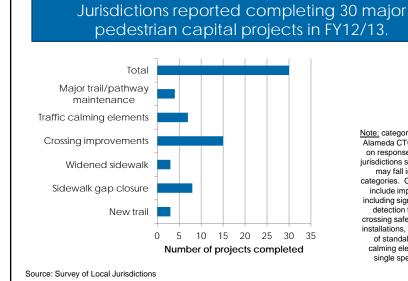


At the conclusion of FY12/13, eight jurisdictions had local plans that were adopted within the last five years, and four more have a plan or update underway.



Walking: Network Completion

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Note: categories defined by Alameda CTC staff based on responses from local jurisdictions staff. A project may fall in multiple categories. Chart does not include improvements including signal timings or detection to improve crossing safety, curb ramp installations, or installation of standalone traffic calming elements (e.g. single speed bump)

