



SMART

Your train has arrived.

**SANTA CRUZ COUNTY
REGIONAL TRANSPORTATION COMMISSION
AUGUST 2, 2018**

WHERE IS SMART?



THE HISTORIC NORTHWESTERN PACIFIC (NWP) RIGHT-OF-WAY



SMART COMMISSION FORMED: 1998

- Two counties represented on the Commission
- Early Planning Work: Alignments, Stations, Vehicles
- Initiated Environmental Impact Report
- Financial Planning
- Received \$37M from State TCRP fund in 2000
- 2002: SMART Agency was created, AB-2224
- 2006: ¼-cent sales tax measure: 65.3%
- 2008: ¼-cent sales tax Passed: 69.6%
- 2009: Greatest economic downfall since the Great Depression, with severe drops in sales tax revenue

SMART PASSENGER CARS



- Manufactured by Sumitomo Corp of America/ Nippon Sharyo
- “Buy America” compliant
- Environmentally-friendly EPA Tier 4 engines
- Level boarding
- ADA-compliant
- Continuously welded rail for a smooth ride
- Comfortable seating for longer trips
- Restroom and concessionaire onboard
- Opportunity to expand fleet as ridership grows



SMART RAIL CAR INTERIOR



- A two-car train set can carry more than 300 passengers
- Space for up to 24 bicycles
- Dedicated wheelchair seating
- ADA compliant restrooms
- Easily accessible power outlets
- Spacious tables and convenient folding seatback tables

CONSTRUCTION MILESTONES



Before



After

SMART's construction began in 2012:

- 43 miles tracks replaced
- 63 at-grade crossings rebuilt
- 27 bridges rebuilt or repaired
- 12 platform foundations constructed
- 43 miles of systems ductbank installed
- 103 railroad crossing signal houses installed
- Among the first in the U.S. to open with a Positive Train Control system

MILESTONES



- Created a full service Transit agency and hired over 100 key staff.
- Replacement of Haystack Bridge in Petaluma for greater efficiency.
- Constructed Rail Operations Center near Sonoma County Airport Station.
- 15 miles of multi-use pathway segments in Marin and Sonoma Counties.

KEY OPERATING DETAILS



- Average speed of 40 mph, with a top speed 79 mph
- Thanks to Senate Bill 1, 34 trips per weekday and 10 trips each Saturday and Sunday
- Service every 30 minutes during most peak commute hours
- Two-way operation on a single-track railroad utilizing “passing tracks”
- More than **650,000** passengers carried since August 25, 2017

ENVIRONMENTAL MITIGATION



- SMART purchased 56 acre Mira Monte Marina property in 2013 to provide environmental mitigation
- The site has been restored as a wetlands project and is home to a variety of wildlife
- Provides for future environmental mitigations

MIRA MONTE MARINA - BEFORE





MIRA MONTE MARINA - RESTORED



SMART PATHWAY UPDATE

Pathway NEPA Clearance – Finished 36 miles of federal environmental review in early 2016

- Clears the way for us to apply for permits

Recent Construction:

2017-18 Construction: Total of 4.6 more miles at a cost of just under \$5.4M

To view all other completed segments, check out the bike map on our website.

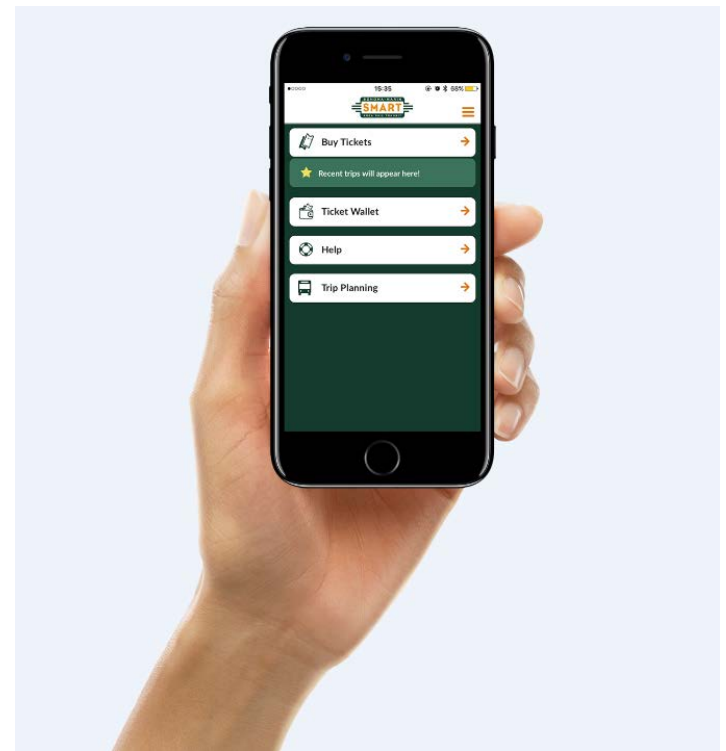


MULTIMODAL CONNECTIONS: FIRST AND LAST MILE OPTIONS



- Public transit operator coordination
 - Service schedules optimized
 - Transfer credits between systems
- Taxis, private shuttles and ridesharing
 - Local jurisdictions and employers sponsor employee programs
- Bicycle and pedestrian improvements
 - Bicycle parking at train stations
 - Bicycle sharing (county-level programs under development)
 - Bikes allowed on the trains
- Auto programs through the CMAs
 - Car-share; Zipcar
 - Lyft discounts, Guaranteed Ride Home

PAYMENT SYSTEM: CLIPPER CARD OR MOBILE E-TICKET APP



HOW MUCH DOES IT COST TO RIDE?

REGULAR ONE-WAY FARE

	1 Zone	2 Zones	3 Zones	4 Zones	5 Zones	Daily Maximum*
Adult Fare	\$3.50	\$5.50	\$7.50	\$9.50	\$11.50	\$23.00
Seniors, youth, and passengers with disabilities (50%)	\$1.75	\$2.75	\$3.75	\$4.75	\$5.75	\$11.50

*Once the Daily Maximum is reached, all additional rides are free.

31-DAY PASS

Adult Fare	\$200.00
Seniors, youth, and passengers with disabilities (50%)	\$100.00

DISCOUNTS FOR ECO-PASSES

Number of Passes Purchased	Eco-Pass Price (per month)
Up to 50	\$213.00
51-250	\$193.00
251-500	\$174.00
Over 500	\$155.00
College Students & Veterans' Groups	\$138.00



SMART BENEFITS

- A Fast, Reliable Trip
 - Alternative to unpredictable drive times
- Stress Free Commute
 - Southbound Hwy 101 in Top 3 congested Bay Area corridors
 - Improves transit options for commuters in Marin and Sonoma Counties
- Health and Environment
 - EPA Tier 4 engines reduce greenhouse gas emissions
 - Encourages and enhances the use of other modes of transportation
 - Elevated quality of life with less hours spent in traffic and more time for family and friends



OPENING DAY: FRIDAY AUGUST 25, 2017



CHALLENGES AND OPPORTUNITIES



SMART STATIONS



- **Simple but practical**
- **Level Boarding (48in above track)**
- **Fully ADA Compliant**

WHAT IF THIS TREE CAN CURE CANCER?



RARE CHIMERIC ALBINO TREE



I HAVE A BRIDGE TO SELL YOU !!

OPPORTUNITIES

- Purchased a “used” bridge from Texas for \$4M
- Construction cost \$16M
- Got a modern bridge with life of 80 years for \$20M
- Repairing the old bridge would give us 20 more years and would cost \$18-20M
- Fiber Optic
- Public-Private Partnership
- Connecting 70 schools, 2200 businesses while we saved over \$1M in construction and operations



CONNECTING WITH OUR COMMUNITY

SMART's outreach team engages people of ages to build rail-safe communities





Track SMART Rules:

- ✓ Never take a shortcut – only cross at a railroad crossing sign
- ✓ Never stop on the tracks – always stay 15 feet back
- ✓ Always expect a train – See Tracks? Think Train!



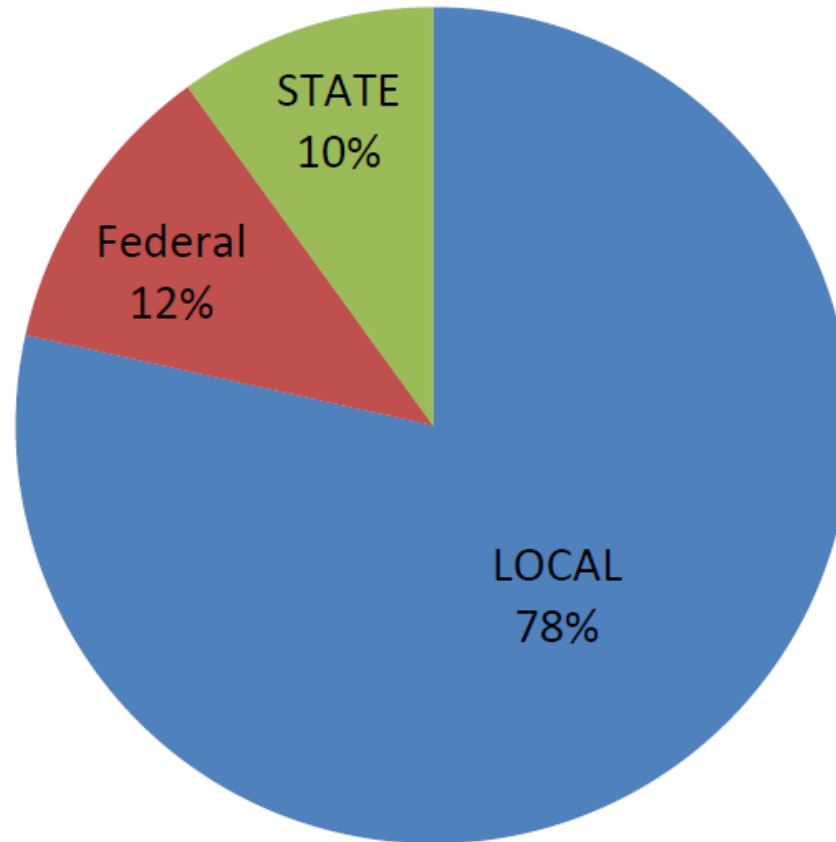
www.BeTrackSMART.org



SMART provides presentations for students of various ages in Sonoma and Marin counties. Students at Pleasant Valley Elementary School in Novato listen to a rail safety presentation.

TOTAL COST

SMART \$533M - PHASE 1 & LARKSPUR



FREIGHT SERVICE UPDATE

- North Coast Railroad Authority and their freight operator
- Senate Bill 1029



WHAT'S NEXT: SMART RAIL EXTENSIONS



- **Larkspur Extension**
 - Construction began in the fall of 2017 and is expected to be completed by end of 2019
- **Windsor Extension**
 - Cost estimate is \$55 million.
 - Completed environmental Review (CEQA)
 - SMART-owned right-of-way
 - 20% engineering completed.
 - Just received \$21M from State (SB1 funds) and \$40M from Regional Measure 3 (MTC)
- **Extensions to Healdsburg and Cloverdale**
 - Completed Environmental Review (CEQA)
 - Completed 20% engineering
- **Highway 37/State Rail Plan**
 - The State has identified extending the SMART rail line along Highway 37 to the east as a long-range priority. Just received State funds for conducting Engineering Feasibility Analysis.

LESSONS LEARNED

- Governance model
- Funding options
- Planning and Environmental phases
- Engineering and Capital Program
- Construction phase
- Operations
- Testing
- Revenue service

IS SMART CASE APPLICABLE TO SANTA CRUZ?

SMART's Reason:

- Highway 101 connects San Francisco to Marin to Sonoma
- Highway 101 is a “Parking Lot” during commute hours and majority of the weekend
- Buses and Van Pools are also stuck on Highway 101
- Housing cost has driven people to commute further and further away, where they can effort to rent and buy
- Employers are having hard time filling the vacant positions since people do not want to spend hours each day sitting in traffic instead of enjoying their family
- Typical commute takes 60-90+ minutes

OPPOSITION RELIES ON TYPICAL ARGUMENTS

Train to no where

It will never get built

It will promote high density

It will change the characters of our community

It will cut thousands of trees, will destroy birds and bees habitat and pollute the water

It will not solve Highway 101 problem

It will cost more

Fares are too high

Proposed Tax penalizes poor residents

No one will ride it or ridership forecast is high!

Staff do not know what they are doing

Staff and consultants are getting paid too much

and my favorite: THE FUZZY MATH exercise!

Does any of these apply to Santa Cruz?

SMART IS AN OPTION, NOT A SILVER BULLET

- Fast, reliable and dependable commute alternative for those who can use it
- Alternative to congestion
- Health and environment benefits
- Jobs and economic growth

Does any of these apply to Santa Cruz?



THE “TRAIN TO NO WHERE’S” REPORT CARD

- One-year anniversary celebration on August 18
- Total passengers carried: More than 650,000
- Total bicycles carried: More than 58,000
- Total wheelchairs carried: More than 2,800
- Actual farebox recovery exceeds budgeted target
- **TOTAL GRANTS RECEIVED SINCE 2011:
\$157,300,000 plus
recent RM3 \$40M**

A vibrant poster for SMART Fest. The top half has a teal background with yellow confetti and streamers. The text "SMART.FEST" is in large, bold, orange and green letters. Below it, in a script font, is "a North Bay community celebration". The date "August 18, 2018" is in large, bold, yellow letters, followed by "10 a.m. to 3 p.m." in a smaller, bold, yellow font. The location "SMART Novato Hamilton Station" is in bold, yellow letters. Below this, in a smaller font, is "Celebrate SMART's first year of service". At the bottom of the text section, it lists "Live Music • Food Trucks • Local Beer & Wine" and "North Bay Vendors • SMART Giveaways • Family Fun". The bottom half of the poster features a photograph of a green and white SMART train (number 112) moving towards the viewer. The train has "SONOMA-MARIN SMART AREA RAIL TRANSIT" on its side. At the very bottom, an orange banner contains the text "FREE TRAIN SERVICE AUGUST 18 & 19" in white, bold, capital letters.

SMART.FEST
a North Bay community celebration
August 18, 2018
10 a.m. to 3 p.m.
SMART Novato Hamilton Station
Celebrate SMART's first year of service
Live Music • Food Trucks • Local Beer & Wine
North Bay Vendors • SMART Giveaways • Family Fun
FREE TRAIN SERVICE AUGUST 18 & 19

FOR YOUR CONSIDERATION

- FACT: Is your traffic congestion crippling ?
- QUESTION: Do people want you to do nothing?
- AGENDA: Tackling the traffic congestion
- Whose job is it? Everyone
- What is the solution?
 - There is no silver bullet
 - You did not get in this mess over night
 - You will not get out of this condition with a single solution
 - People have different needs and require OPTIONS
 - The train is an option
 - The bike/pedestrian path is another option
 - If you fight among each other, if you try to destroy each other, you will not succeed. That simple.

San Francisco Chronicle

LOCAL // BAY AREA & STATE

North Bay's SMART rail service exceeds expectations in first 6 months



Michael Cabanatuan | Feb. 4, 2016 | Updated: Feb. 5, 2016 7:55 a.m.



1 of 5

SMART rail riders board a train at Novato-San Marin Station.

Photo: Scott Streza, The Chronicle

Since starting service in August, the North Bay's new commuter rail service has survived a fire that stopped at its tracks, given thousands of free rides to help fire victims and has had to fight to collect promised federal funding for a new extension to Larkspur.

In short, SMART has been on something of a wild ride in its nearly six months of hauling passengers between Santa Rosa and San Rafael.

Yet the service has still managed to meet or exceed ridership and revenue projections, and start work on that Larkspur extension, which will bring the train's riders to within a short walk to the Golden Gate Ferry to San Francisco.



Most Popular

Stabbing suspect arrested in 'vicious' BART killing in Oakland



Teen's slaying was BART's third possible homicide in five days



Mountain View's unusual rule for Facebook: No free food



BART killing in Oakland: Police hunt man who stabbed teen in 'random' attack



Trouble for bubble tea shops as San Francisco bans plastic straws



Not a pretty picture — photo of passed-out man says it all about SF



SMART || SONOMA-MARIN AREA RAIL TRANSIT

THE LITTLE ENGINE THAT COULD



LOOKING AHEAD: A CONNECTED FUTURE





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www.SonomaMarinTrain.org
www.BeTrackSMART.org



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