

Tab 6

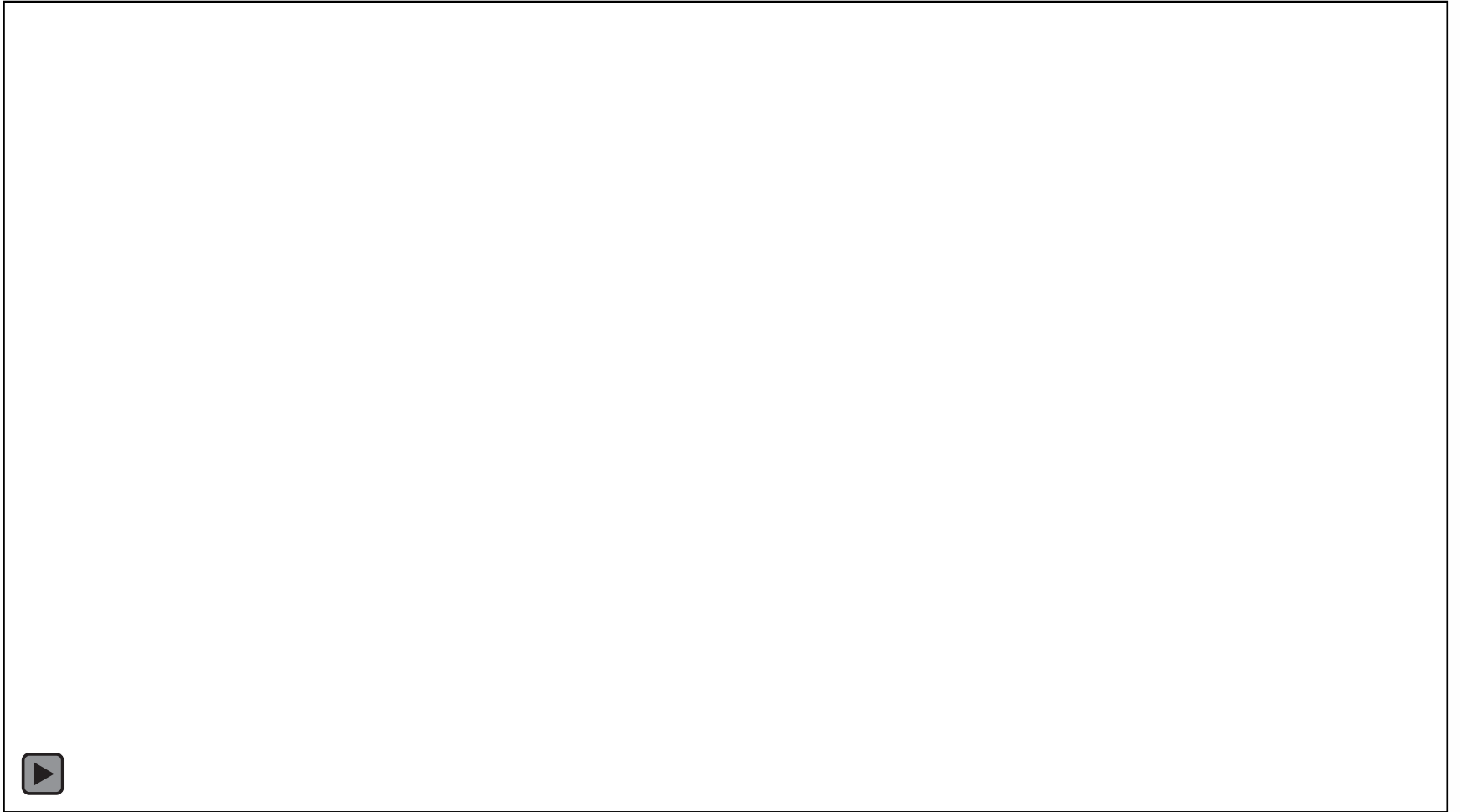


# SMART

Your train has arrived.

## CALIFORNIA TRANSPORTATION COMMISSION

**APRIL 11, 2018**



# SMART'S INITIAL PHASE



- 43 miles of new track from Downtown San Rafael to the Sonoma County Airport area
- 10 level boarding stations
- 7 two-car train sets
- Rail Operations Center
- Positive Train Control
- Clipper Card and Mobile App fare payment system

## KEY OPERATING DETAILS



- Average speed of 40 mph, with a top speed 79 mph
- 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 431,000 passengers carried since August 25, 2017



# 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
  - » Fiberoptic/Broadband Access
- 103 railroad crossing signal houses installed

# MILESTONES



- Created a full service Railroad agency and hired over 100 key staff.
- Replacement of Haystack Bridge in Petaluma for greater efficiency
- Constructed Operations and Maintenance Facility near Sonoma County Airport



# MIRA MONTE MARINA - BEFORE









# MIRA MONTE MARINA - RESTORED



# MULTIMODAL CONNECTIONS: SMART'S BICYCLE AND PEDESTRIAN PATHWAY



- Bicycle/pedestrian pathway construction connects various pathway segments to each other, and to SMART train stations
- More than 15-miles of pathway segments have been built by SMART and local jurisdictions working in partnership with SMART



# 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
- **2017-18 Construction: total of 4.6 more miles @ cost of just under \$5.4M**
  - San Rafael: Marin Civic Center Station to North San Pedro Road
  - Novato: Franklin Ave to Grant Ave
  - Cotati/Rohnert Park: Cotati Station to Sonoma Mountain Village

**To view all other completed segments, view our multiuse pathway map at [www.SonomaMarinTrain.org](http://www.SonomaMarinTrain.org)**





# MULTIMODAL CONNECTIONS: FIRST AND LAST MILE OPTIONS



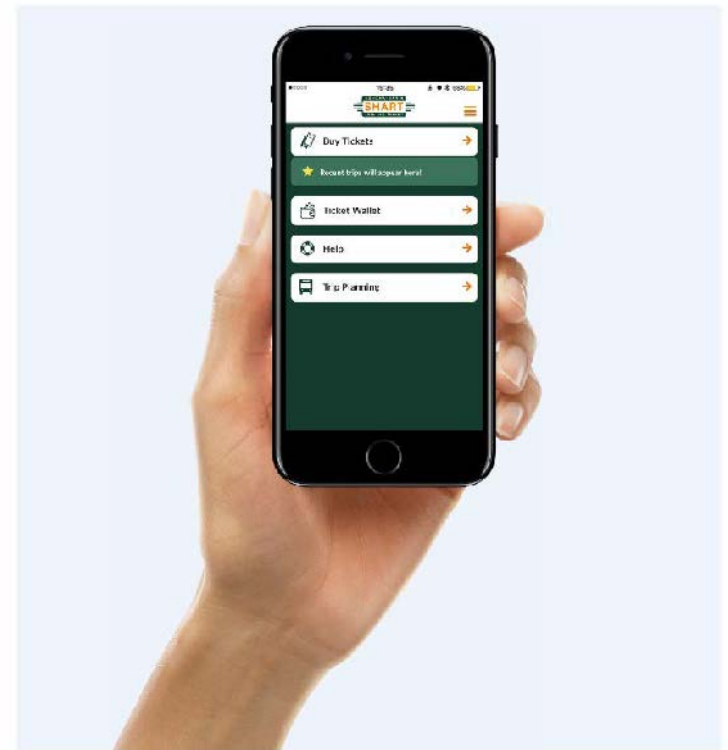
- Public transit operator coordination
  - Service schedules optimized
  - Transfer credits between systems
- Taxis, private shuttles and ridesharing
  - Local jurisdictions and employers sponsor employee programs
- Bicycle and pedestrian improvements
  - Bicycle parking at train stations
  - Bicycle sharing (county-level programs under development)
- Auto programs
  - Car-share
  - Zipcar & Lyft connections



# OPENING DAY: FRIDAY AUGUST 25, 2017



# 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



# STATION DESIGN







# SMART STATIONS



- **Key Features:**
- **Level Boarding** (48 in above track)
- **Fully ADA Compliant**



# RAIL OPERATIONS CENTER



**I HAVE A BRIDGE TO SELL YOU !!**



# A BIT OF HISTORY

- Our Railroad Crosses Petaluma River, accessed by barges and boats
- Older bridge was built in the 1870's
- Old bridge built in 1904
- Took 15 minutes to rotate and lineup for tracks

## Project Options:

- Repair: \$15-18M would get us 20 more years
- New: too much \$\$\$\$ plus freight is running
- Think way out of the box!

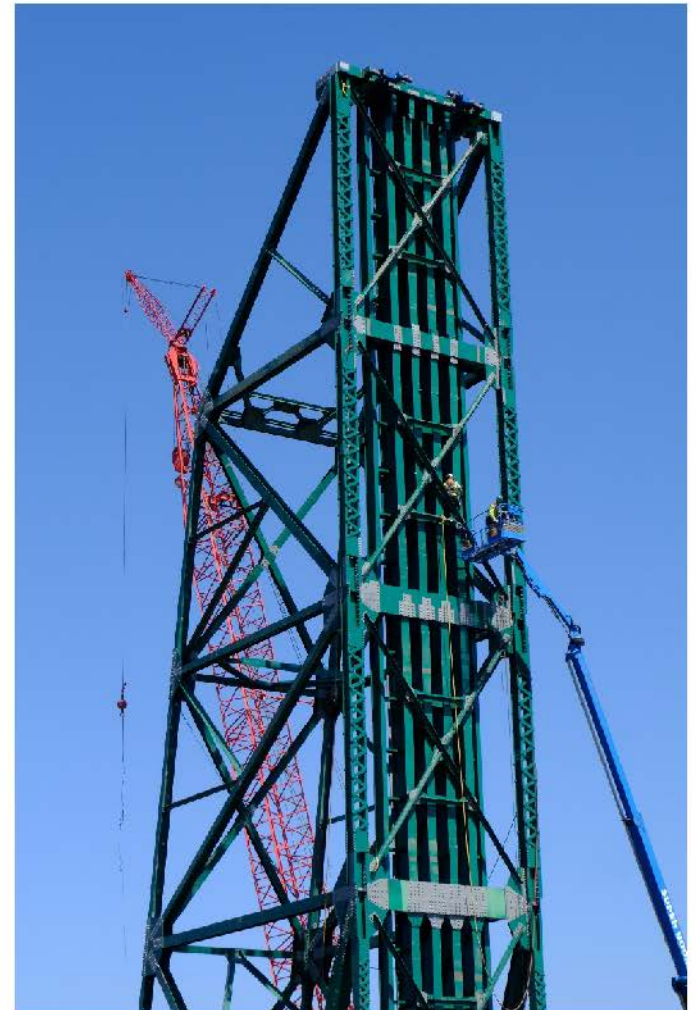
# THE “USED” BRIDGE

- Galveston, Texas
- Built new in 1986
- Arrives in 240 pieces and dismantled to 380 pieces
- Purchase cost \$4M plus construction = \$20M
- 80 years of life
- SMART speed 50 mph, Freight speed 40 mph
- 110 seconds to completely close or open
- 157 feet tall (almost 16 stories)(8 stories taller than adjacent highway 101), Span of bridge deck is 124.5 feet
- 4 piles at 87 feet deep and 6 feet in diameter





# HAYSTACK BRIDGE











# COMMUNITY OUTREACH PROGRAMS



- SMART provides safety presentations to schools, and community groups, tailored to specific audiences.
- In the last two years, SMART participated **in more than 230 presentations and events**.
- SMART has also presented to more than **34,500 students** in both Sonoma and Marin counties.
- SMART's dedicated rail safety website, **BeTrackSMART.org** provides rail safety tips, information and resources.

# RAIL SAFETY EDUCATION

- Rail safety awareness is at the heart of all of SMART's outreach programs.
- Every member of SMART's outreach team has been trained by Operation Lifesaver.
- SMART regularly runs rail safety ads in both Spanish and English throughout the year.



## THINK SAFETY FIRST.

- Never walk on the railroad tracks.  
Walking on the tracks is illegal and dangerous.
- Stay behind the yellow strip on the platform before boarding and after exiting the train.
- If you have young children, hold their hands when boarding and exiting the train.
- Drivers should never stop on the tracks.

Visit [BeTrackSMART.org](https://BeTrackSMART.org)





# CONNECTING WITH OUR COMMUNITY

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



# CTC FUNDS KEY PROJECT ELEMENTS–RAIL

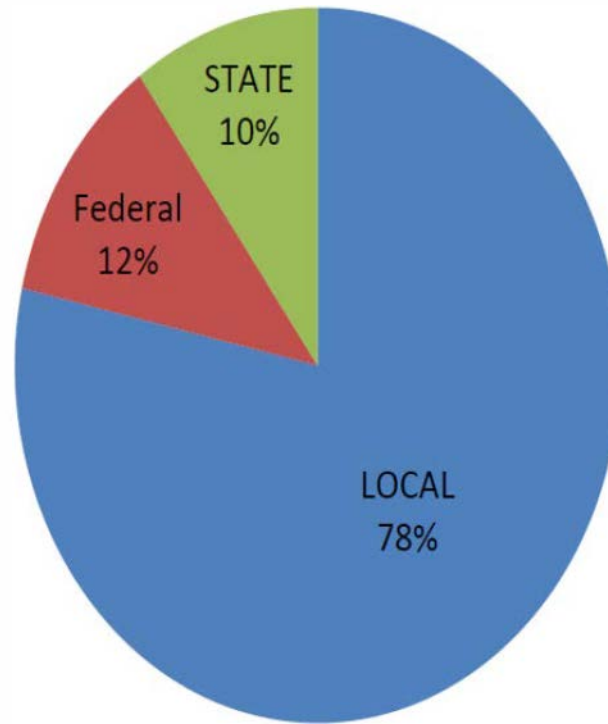
- Early Support
  - Traffic Congestion Relief Program (\$37M) for Environmental and Preliminary Engineering
  - Proposition 116 Rail (\$28M) and State-Local Partnership (\$8.3M) for Construction
- Rail Operations Support
  - SB1 Local Partnership Program funds to immediately enhance major SMART maintenance capital equipment through the start up period (\$1.6M)
- CalSTA
  - Cap and Trade funds to procure 4 additional rail cars (\$11M)
  - SB1 Rail Assistance funds to deploy more service than originally planned (\$10.5M over 3 years)



# CTC FUNDS KEY PROJECT ELEMENTS-PATHWAY

- SMART Pathway Construction through STIP Enhancement funds (\$4M) for Rohnert Park/Cotati Segments
  - Effective construction management realized **\$912,881** in savings
  - SMART wishes to construct an additional mile of Pathway with savings
- SB1 Active Transportation Program funds (\$1.4M) for Petaluma Segment over Petaluma River and under Highway 101
  - Scheduled for CTC Allocation vote in May 2018
  - Construction contract award July 2018
  - Construction completion estimated April 2019

# SMART \$533M – PHASE 1 CONSTRUCTION FUNDING





# FREIGHT SERVICE UPDATE

- North Coast Rail Authority and their freight operator
- SB-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 \$75 million
- Completed environmental Review (CEQA)
- SMART-owned right-of-way
- 20% engineering completed

- **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





**Visit our Websites:**  
[www.SonomaMarinTrain.org](http://www.SonomaMarinTrain.org)  
[www.BeTrackSMART.org](http://www.BeTrackSMART.org)

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