

## TAM Board Meeting Caltrans Report

### ***PROJECTS IN ENVIRONMENTAL PHASE***

**Lagunitas Creek Bridge; MRN-1 PM 28.51; On Route 1 at Lagunitas Creek, south of Point Reyes Station (EA: 04-0G642)**

**Scope:** Replace existing bridge.

**Cost Estimate:** \$11.6M (Construction Capital)

**Schedule:** Start Construction: Fall 2019  
End Construction: Fall 2020

The second public scoping meeting was held on October 14, 2015. The Stakeholder Working Group (SGW) has provided recommendations on viable alternatives. Project Insight newsletter was mailed to all mailing addresses in the affected area.

**Upgrade Pedestrian Facilities; MRN-1 PM 0.02/2.0 and 0.5/0.76; On Route 1 in the City of Mill Valley, at Manzanita Park and Ride lot and the intersection of Almonte Blvd. (EA: 04-2G690)**

**Scope:** Upgrade curb ramps, and construction new curb ramps as per current ADA standards.

**Cost Estimate:** \$1.98M (Construction Capital)

**Schedule:** Start Construction: Summer 2018  
End Construction: Fall 2019

TAM and Caltrans are coordinating to avoid conflicts with TAM's bike lane project at TAM Junction.

**Replace Bridge; MRN-101 PM 10.63/10.87; On Route 101 in the City of San Rafael, from Route 101 off-ramp to 2<sup>nd</sup> Street at the San Rafael Harbor; Bridge#. 27-0033 (EA: 04-4G820)**

**Scope:** Replace existing bridge.

**Cost Estimate:** \$7.26M (Construction Capital)

**Schedule:** Start Construction: Summer 2018  
End Construction: Fall 2019

Coordination with the City of San Rafael will be required. Construction of a temporary bridge is anticipated to minimize traffic impacts.

**Scour Mitigation; MRN-101 PM 15.35; On Route 101 at Miller Creek Bridge (EA: 04-4G871)**

**Scope:** Scour mitigation.

**Cost Estimate:** \$1.0M (Construction Capital)

**Schedule:** Start Construction: Summer 2017  
End Construction: Fall 2017

### ***PROJECTS IN DESIGN PHASE***

**Repair sinking pavement and drainage systems; MRN-101-PM 10.1; On Route 101 and 580 in San Rafael, at Route 101/580 Interchange (EA: 04-2J480)**

**Scope:** Repair sinking pavement and drainage system.

**Cost Estimate:** \$2.66M (Construction Capital)

**Schedule:** Start Construction: Fall 2017  
End Construction: Fall 2018

Full ramp closure is anticipated. Coordination with the City of San Rafael will be required.

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**Marin 101 Ramp Metering (FPI), Phase 1, MRN-101 PM 0.0/9.0; On Northbound Route 101, at various locations (EA: 04-15161)**

**Scope:** Install ramp metering equipment and TOS elements from GGB to San Francis Drake.

**Cost Estimate:** \$8.0M (Construction Capital)

**Schedule:** Start Construction: TBD  
End Construction: TBD

Coop agreement with MTC for funding is pending. The schedule is dependent on funding/coop agreement. Ramp metering implementation study to be conducted by TAM in Spring 2017.

**Marin-Sonoma Narrows Contract B6 – Replace Bridge; MRN/SON -101 PM MRN 101 27.0/27.6 & SON-101 0.0/0.3; On San Antonio Road (local road) 0.6 miles north of Route 101 (EA: 04-2640S)**

**Scope:** Construct a two lane bridge.

**Cost Estimate:** \$4.0M (Construction Capital)

**Schedule:** Start Construction: TBD  
End Construction: TBD

County of Marin is the lead for this project. County and TAM have held one public information public meeting and the second informational public meeting is expected to take place in January 2017.

**Estero Americano Bridge; MRN/SON-1 PM 50.3/50.5; On Route 1 from 0.1 miles south of Estero Americano Bridge to 0.1 mile south of Valley Ford Road (EA: 04-20950)**

**Scope:** Replace existing bridge.

**Cost Estimate:** \$10.0M (Construction Capital)

**Schedule:** Start Construction: Fall 2017  
End Construction: Fall 2019

Tree removal was completed in October 2016. The utility relocation is expected in Spring 2017.

**Upgrade Pedestrian Facilities; MRN-101 PM 0.0/8.5 and MRN-131 PM 4.0/4.4; On Route 101 in the Cities of Sausalito, Corte Madera, Larkspur, and Tiburon, at various locations (EA: 04-3G210)**

**Scope:** Upgrade curb ramps, driveways, and sidewalks to current ADA standards.

**Cost Estimate:** \$1.68M (Construction Capital)

**Schedule:** Start Construction: Summer 2017  
End Construction: Fall 2018

**Centerline Rumble Strip and Pullouts; MRN-1 PM 3.1/ 50.5; On Route 1 from 0.2 miles west of Erica Road to Valley Ford Road (EA: 04-4H870)**

**Scope:** Install rumble strip on the centerlines and construct pullouts at various location on Route 1 and shoulder widening in Stinson Beach.

**Cost Estimate:** \$5.0M (Construction Capital)

**Schedule:** Start Construction: Fall 2017  
End Construction: Fall 2018

Caltrans in collaboration with Marin County Bicycle Coalition (MCBC), California Coastal Commission (CCC), State Park (SP) and Golden Gate National Recreation Area (GGNRA) selected suitable pullout locations on Route 1. Caltrans working on addressing MCBC concerns on centerline rumble strips

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**Bicycle/Pedestrian Facility on Richmond-San Rafael Bridge; CC/MRN-580 PM CC 0.0/ 4.8 & MRN 4.8/7.8; On Route 580 at Richmond-San Rafael Bridge (EA: 04-2J680 – Contract 2)**

**Scope:** Extend the bicycle/pedestrian path across the Richmond-San Rafael Bridge and to complete connections to the existing Bay Trail segments on the Marin County side of the Richmond-San Rafael Bridge.

**Cost Estimate:** \$40M (Construction Capital)

**Schedule:** Start Construction: Summer 2017  
End Construction: Fall 2017

The Bay Area Toll Authority (BATA) is the lead for this project, The PS&E will be completed by December 2016. The first contract of this project (E/B lane) is in construction.

**North/South Greenway Gap Closure Project (Northern Segment); MRN-101 PM 8.4/8.6; On Route 101 in Larkspur, at East San Francis Drake Blvd (EA: 04-1A661)**

**Scope:** Corte Madera Creek Bridge (off-ramp) widening.

**Cost Estimate:** \$6.0M (Construction Capital)

**Schedule:** Start Construction: Spring 2018  
End Construction: Fall 2019

The first public scoping meeting was held on March 19, 2015. The second and third public meetings took place on July 29, 2015 and March 21, 2016. The scope was revised to stay within budget.

### ***PROJECTS IN CONSTRUCTION PHASE***

**AC resurfacing; MRN-1 PM 17/19; On Route 1, near Bolinas, from 0.1 miles south of Bolinas Fairfax Road to 1.5 miles north of Horse Shoe Hill Road (EA: 04-3E340)**

**Scope:** Place rubberized HMA (Gap Graded).

**Cost Estimate:** \$1.0M (Construction Capital)

**Schedule:** Major construction activities have been completed. Construction contract will be accepted by December.2016

**Paint Bridge; MRN-580 PM 0.01/2.7; On Route 580 at the Richmond San Rafael Bridge & in Contra Costa County (EA: 04-3G484)**

**Scope:** Clean and Paint Bridges.

**Cost Estimate:** \$33.9M (Construction Capital)

**Schedule:** Completion of the construction contract is anticipated in Spring 2018.

**Construct tie-back retaining wall; MRN-1 PM 10.95; In Marin County, at Web Creek (EA: 04-4S220)**

**Scope:** Replace culvert and backfill sink hole.

**Cost Estimate:** \$2.4M (Construction Capital)

**Schedule:** Completion of the construction contract is anticipated in October 2021.

Construction activities have been completed. The project is in 5-year Plant Establishment Period (PEP) period

**Marin-Sonoma Narrows Contract L1A (MRN) – Follow-up Mitigation Planting and Sound Wall; MRN-101 PM 26.5/27.6, On Route 101 in Novato and Sound wall at Olive Avenue (EA: 04-264H3)**

**Scope:** Implement follow-up mitigation planting for MSN Phase 1 and construct Sound Wall on northbound Route 101 at Olive Avenue in Novato.

**Cost Estimate:** \$2.8M (Construction Capital)

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**Schedule:** Construction contract will be accepted in December 2019.

Construction activities have been completed. The project is in 3-year Plant Establishment Period (PEP) period

**Overhead and Roadside Sign Panel; On Route 101, 37, and 580 at various locations (EA: 04-2J180)**

**Scope:** Overhead and roadside sign panel replacement.

**Cost Estimate:** \$2.1M (Construction Capital)

**Schedule:** Project was awarded on January 12, 2016. Completion of the construction contract is anticipated in December 2016.

**Roadside Paving – MRN-101 PM 7.6/16.8; on Route 101 at various locations (EA: 04-3G700)**

**Scope:** Roadside paving.

**Cost Estimate:** \$2.3M (Construction Capital)

**Schedule:** Project awarded on December 14, 2015. Completion of the construction contract is anticipated in December 2016.

**Marin-Sonoma Narrows Contract B3 - San Antonio Curve Correction; MRN-101 PM 26.5/27.6 & SON-101 0.0/1.2; On Route 101 from 0.3 miles south of San Antonio Rd. to 1.2 miles north of Marin/Sonoma County line (EA: 04-26409)**

**Scope:** Realign Route 101 to the west to correct horizontal alignment and construct a new mainline San Antonio Creek Bridge. The project will extend frontage roads built by other MSN contracts and pedestrian/bicycle facility along San Antonio Creek.

**Cost Estimate:** \$49.8M (Construction Capital)

**Schedule:** Project awarded on January 21, 2016. Completion of the construction contract is anticipated in November 2018.

The ground-breaking ceremony was held on July 6, 2016.

**Bridge Rail Replacement; MRN-101 PM 1.5/14.0; On Route 101 at Spencer Avenue Overcrossing, Mar Drive Undercrossing, North Branch Gallinas Creek Bridge and Corte Madera Creek Bridges (EA: 04-4G460)**

**Scope:** Replace bridge rails.

**Cost Estimate:** \$8.7M (Construction Capital)

**Schedule:** Project awarded on January 28, 2016. Completion of the construction contract is anticipated in June 2017.

The lane closure and detour plans were revised to address CHP concerns.

**Bridge Rail Replacement and Deck Rehabilitation; MRN-101 PM 12.7/14.7; On Route 101 at Freitas Parkway Overcrossing, Lucas Valley Road Overcrossing and North San Pedro Undercrossing (EA: 04-4A000)**

**Scope:** Upgrade bridge rails.

**Cost Estimate:** \$2.0M (Construction Capital)

**Schedule:** Project awarded on March 1, 2016. Completion of the construction contract is anticipated in December 2016.

**Asphalt Concrete dig-outs; MRN-1 PM 22.8/28.5 & 46.2/50.5; On Route 1, in and near point Reyes Station, from 5.7 miles south of Point Reyes Station to Lagunitas Creek Bridge and near Tomales 0.4 miles north of Tomales to Marin County line (EA: 04-3J470)**

**Scope:** Asphalt Concrete dig-out.

**Cost Estimate:** \$1.1M (Construction Capital)

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**Schedule:** Major construction activities have been completed. The construction contract will be accepted by December 2016.

**Slope Repair; MRN-580 PM 2.7; On Route 580, near San Quentin at San Quentin Street Undercrossing (EA: 04-1SS59)**

**Scope:** Re-grade slope and repair down-drain.

**Cost Estimate:** \$599K (Construction Capital)

**Schedule:** Project awarded on August 10, 2016. Completion of the construction contract is anticipated in December 2016.

**Shift Roadway; MRN-1 PM 2.7; On Route 1, near Stinson Beach at 2.2 miles north of Panoramic Highway. (EA: 04-2K510)**

**Scope:** Paving to shift the roadway pavement to the east; away from an encroaching washout.

**Cost Estimate:** \$1.1MK (Construction Capital)

**Schedule:** Major construction activities have been completed. The construction contract will be accepted by December 2016.

**Route 580/101 HOV Gap Closure Mitigation Planting; MRN-101 PM 9.7/12.7: On Route 101, in San Rafael at Brookdale Area and Offsite Riparian Mitigation Planting (EA: 04-2261H)**

**Scope:** Follow-up Mitigation Planting for the Marin Route 580/101 HOV Gap Closure Project.

**Cost Estimate:** \$219K (Construction Capital); \$490K (Offsite Mitigation)

**Schedule:** Construction contract was executed on September 26, 2016. Completion of the construction activities is anticipated by December 2016. The construction contract will be accepted in December 2021 after 5-year PEP.

TAM is the lead for this project, and the project is being constructed via an encroachment permit. Caltrans is the lead for offsite mitigation. The offsite mitigation includes restoration of a portion of Glenview Creek by California State Parks and the acquisition and transfer of the 2.1 acres Sausalito Lincoln/Butte parcel to Open Space Sausalito for preservation as permanent open space.

**Pedestrian Facility; on Routes 1, 131, 116, 128 and 29 in Marin, Sonoma and Napa Counties, at various locations (EA: 04-4A670)**

**Scope:** Upgrade curb ramps, driveways, and sidewalks as per current ADA standards.

**Cost Estimate:** \$250K (Construction Capital)

**Schedule:** Contract Awarded on November 9, 2016. Completion of the construction is anticipated in Summer 2017.

**Running Lane (3<sup>rd</sup> Lane) on Richmond-San Rafael Bridge; CC/MRN-580 PM CC 0.0/ 4.8 & MRN 4.8/7.8; On Route 580 at Richmond-San Rafael Bridge (EA: 04-2J680 – Contract #1)**

**Scope:** Construct a third eastbound lane on Route 580 from the Sir Francis Drake Blvd. on-ramp in Marin County to the Richmond Parkway/ Point Richmond in Contra Costa County and a barrier-separated bicycle/pedestrian path adjacent to westbound Route 580 from the Tewksbury Avenue/Standard Avenue intersection in Point Richmond to Stenmark Drive near Point Molate.

**Cost Estimate:** \$27.2M (Construction Capital)

**Schedule:** Construction contract was awarded on November 10, 2016. Completion of the construction activities is anticipated by December 2017.

The Bay Area Toll Authority (BATA) is the lead for this project.

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### OTHERS

Caltrans, County of Marin, City of Mill Valley and Town of Tiburon implemented short-term measures to relieve traffic congestion on Highway 1 at TAM Junction and the Highway 101/Tiburon Blvd./East Blithedale Avenue Interchange area. Implementation of mid and long-term measures is dependent on the availability of funding.

#### STORM DAMAGE PROJECTS IN ENVIRONMENTAL / DESIGN PHASE

Project EA	Location/Description	Construction Capital Cost	Begin Construction
04-3S900	<b><u>Project in Design (PSE)</u></b> <u>Location:</u> Route 1, PM 6.6, In Marin County, near Muir Beach, 0.3 miles north of Seacape Drive. <u>Scope:</u> Construct tie-back retaining wall.	\$5.9M	Spring 2018
04-3S910	<b><u>Project in Design (PSE)</u></b> <u>Location:</u> Route 1, PM 7.7, In Marin County, near Muir Beach, 0.2 miles north of Cold Stream Fire Road. <u>Scope:</u> Construct tie-back retaining wall.	\$6.2M	Spring 2018
04-4S780	<b><u>Project in Design (PSE)</u></b> <u>Location:</u> Route 1, PM 24.7, In Marin County, approximately 0.6 south of Olema. <u>Scope:</u> Replace twin culverts with a bridge.	\$2.7M	Fall 2018
04-2G890	<b><u>Project in Environmental Phase (PSE)</u></b> <u>Location:</u> Route 1, PM 8.1, In Marin County, approximately 2.1 miles north of Muir Beach Road. <u>Scope:</u> Construct tie-back retaining wall. Construction contract was advertised on October 31, 2016. Bids will open in December 2016	\$7.7M	Spring 2017
04-4S660	<b><u>Project in Design (PSE)</u></b> <u>Location:</u> Route 1, PM 8.1/10, In Marin County, at Slide Ranch. <u>Scope:</u> Construct retaining wall.	\$2.2M	Spring 2018
04-1SS58	<b><u>Project in Environmental Phase (PSE)</u></b> <u>Location:</u> Route 1, PM 2.2, In Marin County, near Mill Valley, 0.2 miles north of Loring Avenue. <u>Scope:</u> Construct retaining wall and improve drainage.	\$2.4M	Spring 2017