

May 2017

TAM Board Meeting Caltrans Report

PROJECTS IN ENVIRONMENTAL PHASE

Millerton Gulch Bridge Scout Mitigation; MRN-1 PM 33.4; On Route 1 near point Reyes Station at Millerton Gulch Bridge (EA: 04-0J570)

Scope: Scour Mitigation (repair embankment and construct retaining wall and improve fish passageway.

Cost Estimate: \$4.0M (Construction Capital)

Schedule: Start Construction: Spring 2021

End Construction: Fall 2021

Emergency Directors Order (DO) contract will construct a portion of the project scope in Spring 2017.

Marin 1 Capital Preventive Maintenance Project (CAPM); MRN-1 PM 22.8/31.2 & 45.0/50.5; On Route 1 near point Reyes and Olema, from Olema Creek to north of Cypress Road & near Tomales from south of Tomales-Petaluma Road to South of Valley Ford Road (EA: 04-1J960)

Scope: Overlay pavement and shoulders with HMA-A, upgrade existing guardrails and crash cushions, and drainage improvements.

Cost Estimate: \$13.8M (Construction Capital)

Schedule: Start Construction: Spring 2021

End Construction: Fall 2021

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: Spring 2020

End Construction: Fall 2021

The second public scoping meeting was held on October 14, 2015. The Stakeholder Working Group (SGW) and regulatory agencies have provided recommendations on viable alternatives. Project Insight newsletter was mailed to all mailing addresses in the affected area. The Draft Environmental Document (DED) was signed on April 12, 2017 and expected to be released for public review on April 24, 2017.

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: Spring 2019

End Construction: Fall 2019

TAM has a bike lane striping project at this location (TAM Junction). This project was coordinated with TAMs project to prevent conflicts.

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Replace Bridge; MRN-101 PM 10.63/10.87; On Route 101 in the City of San Rafael, from Route 101 off-ramp to 2nd 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: Spring 2019
End Construction: Winter 2019

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

PROJECTS IN DESIGN PHASE

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: Spring 2018
End Construction: Fall 2018

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

Weekend closure of southbound US 101/I-580 connector is expected, and traffic will be detoured to northbound 101 via Sir Francis Drake Blvd. Coordination with the City of San Rafael is ongoing.

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

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 two public information public meetings. Environmental revalidation is expected in spring 2017.

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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: Spring 2018
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: Spring 2018
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 is working on addressing MCBC's bike safety and signage issues.

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: Spring/Summer 2017
End Construction: Fall 2017

The Bay Area Toll Authority (BATA) is the lead for this project; The PS&E was completed in February 2017. The first contract for 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 scoping meetings took place on July 29, 2015 and March 21, 2016. The scope was revised to stay within budget.

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PROJECTS IN CONSTRUCTION PHASE

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: Completion of the construction contract is anticipated in Fall 2019.

Contract awarded on January 4, 2017. Construction to start in late spring 2017. Tree removal utility relocation completed in Fall 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; On Route 1 near Stinson Beach approximately 1.2.miles south of North Panoramic Highway 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)

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 Oct. 2017.

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 June 2017.

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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 Sept. 2017.

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

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 June 2017.

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. Construction activities have been completed. The construction contract will be accepted in December 2021 after a 5-year Plant Establishment Period (PEP).

TAM is the lead for this project, and the project is being implemented 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. The City of San Rafael will take over maintenance of Brookdale area after the PEP.

Upgrade 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 Fall 2017.

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Running Lane (3rd 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.

Reconstruct Drainage and Repair slope; MRN-101 PM 6.0/6.6; On Route 101, in Corte Madera, south of Tamalpais Drive, (EA: 04-1K630)

Scope: Reconstruct drainage system, widen shoulder and repair a slope washout.

Cost Estimate: \$1.5M (Construction Capital)

Schedule: Contract Awarded in October 2016. Completion of the construction is anticipated in Spring/Summer 2017.

Construct Retaining Wall; MRN-1 PM 8.0; On Route 1, PM 8.0, On Route 1, approximately 2.0.miles north of Muir Beach Road (EA: 04-2G890)

Scope: Construct tie-back retaining wall.

Cost Estimate: \$3M (Construction Capital)

Schedule: Project was awarded on February 2, 2017. Completion of the construction contract is anticipated in July 2017.

Replace and regrade pavement; MRN-37 PM 11.7/12.0; On Route 37, in and near Novato from Rt 101 separation to Novato Creek Bridge - Emergency Directors Order Contract (EA: 04-4K330)

Scope: Replace and regrade (raise) pavement to address flooding, construct drainage system, and barrier.

Cost Estimate: \$8.0M (Construction Capital)

Schedule: Project was awarded on February 11, 2017. Completion of the construction contract is anticipated in June 2017.

The construction is substantially complete and Route 37 is open to traffic

Construct Retaining Walls and Replace Culverts; MRN-1 PM 4.0/5.0; On Route 1, approximately 2.0.miles south of Muir Beach Road - Emergency Directors Order Contract (EA: 04-4K150)

Scope: Construct retaining wall at PM 4.0 and 4.7 and replace culverts.

Cost Estimate: \$7.0M (Construction Capital)

Schedule: Project was awarded on January 11, 2017. Construction is substantially completed and open to traffic.

Construct Retaining Wall; MRN-1 PM 10.98; On Route 1, near Stinson Beach approximately 1.2.miles south of North Panoramic Highway - Emergency Directors Order Contract (EA: 04-4K240)

Scope: Construct retaining wall.

Cost Estimate: \$13M (Construction Capital)

Schedule: Project was awarded on February 26, 2017. Completion of the construction contract is anticipated in January 2018.

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Construct Sheet-Pile Retaining Wall and Rock Slope Protection (RSP); MRN-1 PM 1.6/2.5; On Route 1, near Mill Valley at Shasta Way, Palm Way and California Ave. - Emergency Directors Order Contract (EA: 04-4K490)

Scope: Construct sheet pile retaining wall (PM 1.6) and RSP (PM 2.5).

Cost Estimate: \$2.5M (Construction Capital)

Schedule: Project was awarded on February 26, 2017. Completion of the construction contract is anticipated in August 2017.

Construct Sheet-Pile Retaining Wall; MRN-1 PM 33.4; On Route 1, near point Reyes Station at Millerton Gulch Bridge - Emergency Directors Order Contract (EA: 04-4K500)

Scope: Construct sheet pile retaining wall and rebuild slope

Cost Estimate: \$3M (Construction Capital)

Schedule: Project was awarded on February 26, 2017. Completion of the construction contract is anticipated in December 2017.

OTHERS

Route 1 has been closed between Muir Beach and Stinson Beach due to storm damage except local residents. The storm damage sites along Route 1 are being evaluated for emergency repairs. Four emergency Directors Order (DO) contracts have been awarded (listed as projects in construction) and several more emergency contracts will be awarded in coming months.

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	<p><u>Project in Design (PSE)</u> <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.</p> <p><i>The project will become an emergency Directors Order (DO) project due to recent land sliding (movement) at this location.</i></p>	\$5.9M	Spring 2018
04-3S910	<p><u>Project in Design (PSE)</u> <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.</p> <p><i>The project will become an emergency Directors Order (DO) project due to recent land sliding (movement) at this location.</i></p>	\$6.2M	Spring 2018

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04-4S780	<p><u>Project in Design (PSE)</u> <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.</p>	\$2.7M	Fall 2018
04-4S660	<p><u>Project in Design (PSE)</u> <u>Location:</u> Route 1, PM 8.1/10, In Marin County, at Slide Ranch. <u>Scope:</u> Construct retaining wall. <i>The project received construction allocation from the CTC in March 2017.</i></p>	\$2.2M	Spring/Summer 2017
04-1SS58	<p><u>Project in Environmental Phase (PSE)</u> <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. Project was awarded on April 18, 2017</p>	\$2.4M	Spring/Summer 2017
04-2J560	<p><u>Project in Environmental Phase (PAED)</u> <u>Location:</u> Route 1, PM 0.3, In Marin County, near Mill Valley, at Tennessee Valley Road. <u>Scope:</u> Construct retaining wall and improve drainage</p>	\$1.5M	Spring 2019