

TAM Board Meeting Caltrans Report

PROJECTS IN ENVIRONMENTAL PHASE

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

Scope: 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 Fall 2017 and project will be downscoped upon completion of the DO.

Marin 1 Capital Preventive Maintenance Project (CAPM); MRN-1 PM 22.8/31.2 & 45.0/50.5; On Route 1 near Point Reyes Station & Olema, from Olema Creek to north of Cypress Road & on Route 1 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 near Point Reyes Station, at Lagunitas Creek, (EA: 04-0G642)

Scope: Replace existing bridge.

Cost Estimate: \$11.6M (Construction Capital)

Schedule: Start Construction: Spring 2020
End Construction: Fall 2021

The Draft Environmental Document (DED) was completed on April 12, 2017 and released for public review on April 24, 2017. The first public meeting was held on May 10, 2017. The second public meeting was held on June 15, 2017 at the Community Center in Point Reyes Station. The public comment period was extended two weeks to June 24, 2017. The project EIR/EA is anticipated in June 2018

Upgrade Pedestrian Facilities; MRN-1 PM 0.02/2.0 & 0.5/0.76; On Route 1 near and in Mill Valley, at Manzanita Park and Ride lot and at 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

Transportation Authority of Marin (TAM) has a bike lane striping project at this location (Route 1/Almonte intersection also known as "TAM Junction"). This project was coordinated with TAM's project to prevent conflicts.

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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 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 systems.

Cost Estimate: \$2.66M (Construction Capital)

Schedule: Start Construction: Spring 2018
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 and Larkspur is required.

Marin 101 Ramp Metering (FPI), Phase 1; MRN-101 PM 0.0/9.0; On northbound Route 101, at various locations from north of GGB to Route 580 (EA: 04-15161)

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

Cost Estimate: \$9.2M (Construction Capital)

Schedule: RTL: June 2018 (T)
Start Construction: Spring 2019
End Construction: Spring 2020

The project will install ramp metering equipment and widen NB 101 at Sir Fran Drake Blvd on-ramp to three lanes in Larkspur. The project also proposes to widen Route 131 from Knoll Rd to Highway 101

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) near Petaluma, 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

Caltrans was the lead for the Environmental phase. County of Marin is the lead for Design, R/W and Construction. County and TAM have held two public information public meetings. Environmental revalidation requires a cooperative agreement with County. Execution of the cooperative agreement is expected in December 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: RTL: June 14, 2017 (A); Award: Dec 2017 (T)
Start Construction: Spring 2018
End Construction: Fall 2018

Scope of work within Corte Madera includes curb ramps and cross-walk at Southbound Fifer Ave. on-ramp

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Centerline Mumble 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 locations 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 collaborated with Marin County Bicycle Coalition (MCBC), California Coastal Commission (CCC), State Park (SP) and Golden Gate National Recreation Area (GGNRA) to select suitable pullout and sign locations along Route 1.

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: Early 2018
End Construction: Fall 2018

The Bay Area Toll Authority (BATA) is the lead for this project; The PS&E was completed in September 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: RTL: June 2018
Start Construction: Fall 2018
End Construction: Fall 2019

The first public scoping meeting was held on March 19, 2015. The second and third public scoping meetings were held on July 29, 2015 and March 21, 2016, respectively. The scope was revised to stay within budget. The Water Board requires onsite runoff treatment systems. The project requires a maintenance agreement with the City of Larkspur for maintenance of the bike path.

Install Concrete Barrier; MRN-101 PM 4.75/5.6; On Route NB 101 from the Strawberry pedestrian overcrossing to Tiburon Blvd. Off-ramp (EA: 04-4H980).

Scope: Install Type 60 series concrete barrier along the right of way line between northbound (NB) US 101 and Redwood Highway Frontage Road.

Cost Estimate: \$5.5M (Construction Capital)

Schedule: RTL: June 2018
Start Construction: Spring 2019
End Construction: Winter 2019

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Replace Bridge; MRN-101 PM 10.63/10.87; On Route 101 in San Rafael, from Route 101 off-ramp to 2nd Street at the San Rafael Harbor (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 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: \$10.6M (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, 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: Completion of the construction contract is anticipated in 2019.

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

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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, near Petaluma, 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 November 2017.

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

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 December 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 associated with opening the lane is anticipated by December 2017.**

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

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

Scope: Construct tie-back retaining wall.

Cost Estimate: \$3.4M (Construction Capital)

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

The schedule is weather permitting.

Replace and Regrade Pavement; MRN-37 PM 11.7/12.0; On Route 37 in and near Novato, from Route 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 December 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, near Muir Beach, approximately 2.0.miles south of Muir Beach Road - Emergency Directors Order Contract (EA: 04-4K150-S1)

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

Cost Estimate: \$9.0M (Construction Capital)

Schedule: Project was awarded on January 11, 2017. Construction is substantially completed, and the road is open to traffic. The construction contract will be accepted in December 2017.

The construction is substantially complete, and Route 1 is open to traffic at this location.

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-S1)

Scope: Construct retaining wall.

Cost Estimate: \$16.9M (Construction Capital)

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

The DO was amended to accommodate larger damage at the site. The project requires one-way traffic control. The schedule is weather permitting.

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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) The schedule is weather permitting

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. Construction is substantially complete. The construction contract will be accepted in December 2017.

The project requires one-way traffic control.

Construct Sheet-Pile Retaining Wall and slope armoring; 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: \$2.6M (Construction Capital)

Schedule: Project was awarded on February 26, 2017. Construction will begin in June 2017 and completion of the construction contract is anticipated in December 2017.

The project requires one-way traffic control.

Replace Culvert; MRN-1 PM 43.3; On Route 1 near Point Reyes Station, south of Snake Road - Emergency Directors Order Contract (EA: 04-4K370)

Scope: Repair Sink Hole and Replace culvert.

Cost Estimate: \$291K (Construction Capital)

Schedule: Project was awarded in March 2017. Work will begin in September 2017, Completion of the construction contract is anticipated in Spring 2018.

The project requires one-way traffic control. The schedule is weather permitting

Construct Sheet-Pile Retaining Wall; MRN-1 PM 11.5; On Route 1 near Stinson Beach, 0,6 miles south of Panoramic Highway - Emergency Directors Order Contract (EA: 04-0P130)

Scope: Construct sheet pile retaining wall.

Cost Estimate: \$8M (Construction Capital)

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

The project requires one-way traffic control. The schedule is weather permitting.

Construct Retaining Wall; MRN-1 PM 8.1; On Route 1, near Muir Beach, approximately 2.1.miles north of Muir Beach Road (EA: 04-4S660)

Scope: Construct tie-back retaining wall.

Cost Estimate: \$2.2M (Construction Capital)

Schedule: Project was awarded in June 2017. Completion of the construction contract is anticipated in December 2017.

The schedule is weather permitting.

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Construct Retaining Wall; MRN-1 PM 2.2; On Route 1 near Mill Valley, 0.2 miles north of Loring Avenue. (EA: 04-1SS58)

Scope: Construct tie-back retaining wall.

Cost Estimate: \$2.2M (Construction Capital)

Schedule: Project was awarded on June 18, 2017. Completion of the construction contract is anticipated in December 2017.

Address flooding; MRN-1 PM 0.1; On Route 1 in Mill Valley, at Manzanita Park & Ride - Emergency Directors Order Contract (EA: 04-0P000)

Scope: Install check valves at two culverts, repair electrical facility and grind & pave Park & Ride lot.

Cost Estimate: \$1.1M (Construction Capital)

Schedule: Emergency Directors Order (DO) approved on April 14, 2017. Completion of the construction contract is anticipated in December 2017.

Replace culvert & repair washout; MRN-1 PM 22.7/22.8; On Route 1 near Olema, at Giacomini Creek - Emergency Directors Order (EA: 04-4K850)

Scope: Construct box culvert (PM 22.78) and install sheet piles (PM 22.8)

Cost Estimate: \$4.2M (Construction Capital)

Schedule: Emergency Directors Order (DO) approved on April 12, 2017. Completion of the construction contract is anticipated in Summer 2018.

Replace culvert & repair embankment; MRN-1 PM 35.3; On Route 1 near Marshall, 3.2 miles south of Marshall-Petaluma Road – Emergency Directors Order (EA: 04-4K860)

Scope: Replace culvert and embankment

Cost Estimate: \$1.4M (Construction Capital)

Schedule: Emergency Directors Order (DO) approved on April 12, 2017. Completion of the construction contract is anticipated in Spring 2018.

The schedule is weather permitting.

Construct Retaining Wall; MRN-1 PM 6.6; On Route 1 near Muir Beach, approximately 0.6 miles north of Muir Beach Road -Emergency Directors Order (EA: 04-3S900)

Scope: Construct tie-back retaining wall.

Cost Estimate: \$6.2M (Construction Capital)

Schedule: Emergency Directors Order (DO) approved on June 13, 2017. Completion of the construction contract is anticipated in February 2018.

The project requires one-way traffic control. The schedule is weather permitting.

Construct Retaining Wall; MRN-1 PM 7.7; On Route 1 near Muir Beach, approximately 1.7.miles north of Muir Beach Road - Emergency Directors Order (EA: 04-3S910)

Scope: Construct tie-back retaining wall.

Cost Estimate: \$2.4M (Construction Capital)

Schedule: Emergency Directors Order (DO) approved on June 13, 2017. Completion of the construction contract is anticipated in February 2018.

The project requires one-way traffic control. The schedule is weather permitting.

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Construct Retaining Wall; MRN-1 PM 8.2/8.5; On Route 1 near Muir Beach, approximately 2.2.miles north of Muir Beach Road - Emergency Directors Order (EA: 04-4K840)

Scope: Construct tie-back retaining wall.

Cost Estimate: \$3.8M (Construction Capital)

Schedule: Emergency Directors Order (DO) approved on June 13, 2017. Completion of the construction contract is anticipated in November 2017.

Repair Slope; MRN-580; PM 2.7; On Route 580 near Point San Quintin, at southbound I-580 main street off-ramp - Emergency Directors Order (EA: TBD)

Scope: Construct tie-back retaining wall.

Cost Estimate: \$2.4M (Construction Capital)

Schedule: Emergency Directors Order (DO) pending approval. Completion of the construction contract is anticipated by December 2017.

The schedule is weather permitting.

OTHERS

- Route 1 has been closed north of Muir Beach (near Slide Ranch) and Stinson Beach due to storm damage and only local traffic is allowed. Thirteen Emergency Directors Order (DO) contracts have been approved along Route 1 in Marin County, and these DOs are listed as projects in construction.
- 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. Widening of Tiburon Blvd near Highway 101 onramp may be incorporated in ramp metering project (EA 04-15161) if the schedule of the project is not impacted.
- Caltrans working with County of Marin on the Bolinas Lagoon project.

STORM DAMAGE PROJECTS IN ENVIRONMENTAL / DESIGN PHASE

Project EA	Location/Description	Construction Capital Cost	Begin Construction
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 for fish passageway.</p>	\$2.7M	Fall 2018
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