



## **COLMA CREEK CITIZENS ADVISORY COMMITTEE MEETING**

**Tuesday, June 8, 2021 at 3:00 pm**

Due to the risk of COVID-19 transmission and local and State guidelines, this meeting will be held remotely. To join the meeting, click on:

<https://us02web.zoom.us/j/82168997129?pwd=cS9GaHRMN1RsVEhJZEhHc0tqNXFaUT09>

or call 669-900-6833 Meeting ID 82168997129# Password: 052232#

### **AGENDA**

- I. Roll Call
- II. Approve minutes of the December 8, 2020 and March 9, 2021 meetings
- III. Public Comment
- IV. Update on Colma Creek Flood Zone Projects and Maintenance Activities
  - a. OneShoreline Project Summaries, Locations, and Budgets
  - b. Maintenance Agreement for Old Colma Creek in the Town of Colma
- V. Items recently approved by the OneShoreline Board
  - a. Changes to Colma Creek Citizens Advisory Committee Standing Rules
  - b. Appointment of Richard Irli as an at-large member of the Committee
- VI. Update to Colma Creek Hydrology & Hydraulic Model: future 100-year storm and 6 feet SLR
- VII. Adjournment

NEXT MEETING: Tuesday, September 14, 2021, 3:00 p.m.

San Mateo County Flood and Sea Level Rise Resiliency  
District Colma Creek Citizens Advisory Committee

**DRAFT** Meeting Minutes  
**Tuesday, December 8, 2020**

AGENDA:

**I. CALL TO ORDER**

Helen Fisicaro called to order the regular meeting of the Colma Creek Citizens Advisory Committee at 3:00 pm on Tuesday, December 8, 2020 via Zoom.

**II. ROLL CALL**

**Members:**

**Present**

**Absent**

|                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Helen Fisicaro, Chair – Town of Colma                        |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Sue Vaterlaus – City of Pacifica                             |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Mike Futrell – City of South San Francisco                   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Jovan Grogan – City of San Bruno                             |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Raymond Buenaventura, City of Daly City                      |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Gail DeFries, Member at Large – City of Daly City            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Ed Bortoli, Member at Large – City of South San Francisco    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Richard Irli, Member at Large – City of South San Francisco  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Ryan Mayfield, Member at Large – City of South San Francisco |

**Staff:**

**Present**

**Absent**

|                                     |                                     |   |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Len Materman – San Mateo County Flood and Sea Level Rise Resiliency District (OneShoreline) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Colin Martorana – OneShoreline  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Makena Wong – OneShoreline  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Mark Chow – County of San Mateo, Department of Public Works                                 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Ann Stillman – County of San Mateo, Department of Public Works                              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Jim Porter – County of San Mateo, Department of Public Works                                |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Dave Pine – County of San Mateo, Board of Supervisors                                       |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Michael Barber – County of San Mateo, Supervisor Dave Pine’s Office                         |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Brad Donohue – Town of Colma  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Richard Chiu – City of Daly City  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Eunejune Kim – City of South San Francisco  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Catherine Misener – City of South San Francisco   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Kim Santos – City of South San Francisco  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Matthew Ruble – City of South San Francisco   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Ken Anderson – City of South San Francisco  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Dave Bockhaus – City of South San Francisco   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Louis Langi – City of South San Francisco   |

**III. APPROVAL OF MINUTES OF SEPTEMBER 8, 2020 MEETING**

Minutes of the September 8, 2020 meeting were approved.

**IV. PUBLIC COMMENT**

No comments from the public.

**V. UPDATE ON CAPITAL IMPROVEMENT PROGRAM AND BUDGET**

District staff presented updates on CIP projects and the corresponding budget figures (both included in the meeting packet) for the three projects in the flood zone that it is evaluating or taking the lead on:

- Project #2: Utah Ave Project – Work this fiscal year and next, additional work on design and permitting for Utah Ave, need additional funding from FEMA
- Project #3: Produce Ave Project – Wall compromised, opportunities to do more than replace wall; additional design work pushed out to next year
- Project #8: Master Plan Coordination with SSF – Communication with SSF re: plans for Creek & City
- Comments:
  - Len looked at 100-year event with sea level rise, contemplating additional hydraulic analysis for different events
  - Mike announced meeting on Friday with U.S. Army Corps of Engineers and SFO about SFO's sea level rise plans, at present exploring tide gate to protect coastline; suggested Len attend future meetings to determine impact on Colma Creek

County of San Mateo Department of Public Works staff presented updates on CIP Projects/Maintenance that it manages on behalf of the District:

- Mitigation work is continuing:
  - Project #4: Discharge pipes discussed in past and plan to complete next year
  - Project #6: Trash Capture Device (part of SSF's Orange Memorial Park Stormwater Capture Project)
  - Project #7: Dredging from Utah Ave to Navigable Slough is being monitored
- Helen pointed out that MOU extensions are a part of maintenance; has that been forwarded in any way?
  - Len is working with Colma and SSF; maintenance primarily related to trash, encampments, and graffiti are typically handled by Cities who are reimbursed by the District
  - Working on new versions of agreement, Town of Colma is underway (drafting) and slated to be completed by end of January
  - SSF agreement to go to council tomorrow; Mike does not anticipate push back from City Council

#### **VI. UPDATE ON PROJECTS AND MAINTENANCE ACTIVITIES**

District staff highlighted the Orange Memorial Park Stormwater Capture Project. The permit agreement for this project is on council agenda for SSF Council meeting tomorrow; goes to District Board on Monday of next week.

#### **VII. DISCUSSION OF ADVISORY COMMITTEE MEMBERSHIP AND TERMS**

- Jovan Grogan and Richard Irli – terms expiring in March
- Jovan Grogan confirmed as permanent replacement for Irene
- Richard Irli undecided on additional term, will inform City Manager of decision in next month or so
- Ray Buenaventura named as official Daly City representative and on term until 2022; council reorg pending, Richard Chiu will update if this changes
- Ryan Mayfield approved by SSF Council in 2020 when District existed, District Board must approve at future meeting (January)

#### **VIII. APPROVE 2021 COMMITTEE MEETING DATES: MARCH 9, JUNE 8, SEPTEMBER 14, DECEMBER 14**

- Motion carried

#### **ADJOURNMENT**

**NEXT MEETING** – Tuesday, March 9, 2021, 3:00 p.m.

San Mateo County Flood and Sea Level Rise Resiliency District  
Colma Creek Flood Control Zone Citizens Advisory Committee

AGENDA ITEM 2

DRAFT Meeting Minutes

Tuesday, March 9, 2021

**AGENDA:**

**I. CALL TO ORDER**

Helen Fisicaro called to order the regular meeting of the Colma Creek Flood Control Zone Citizens Advisory Committee at 3:15 pm on Tuesday, March 9, 2021 via Zoom.

**II. ROLL CALL**

**Members:**

**Present**

- ☒
- ☐
- ☐
- ☐
- ☐
- ☒
- ☒
- ☐
- ☒

**Absent**

- ☐ Helen Fisicaro, Chair – Town of Colma
- ☒ Sue Vaterlaus – City of Pacifica
- ☒ Mike Futrell – City of South San Francisco
- ☒ Jovan Grogan – City of San Bruno
- ☒ Raymond Buenaventura, City of Daly City
- ☐ Gail DeFries, Member at Large – City of Daly City
- ☐ Ed Bortoli, Member at Large – City of South San Francisco
- ☒ Richard Irli, Member at Large – City of South San Francisco
- ☐ Ryan Mayfield, Member at Large – City of South San Francisco

**Staff:**

**Present**

- ☒
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- ☐

**Absent**

- ☐ Len Materman – San Mateo County Flood and Sea Level Rise Resiliency District (OneShoreline)
- ☐ Colin Martorana – OneShoreline
- ☐ Makena Wong – OneShoreline
- ☐ Mark Chow – County of San Mateo, Department of Public Works
- ☒ Ann Stillman – County of San Mateo, Department of Public Works
- ☒ Jim Porter – County of San Mateo, Department of Public Works
- ☒ Dave Pine – County of San Mateo, Board of Supervisors
- ☐ Michael Barber – County of San Mateo, Supervisor Dave Pine's Office
- ☐ Brad Donohue – Town of Colma
- ☒ Richard Chiu – City of Daly City
- ☐ Eunejune Kim – City of South San Francisco
- ☐ Kim Santos – City of South San Francisco
- ☐ Matthew Ruble – City of South San Francisco
- ☒ Ken Anderson – City of South San Francisco
- ☒ Dave Bockhaus – City of South San Francisco
- ☐ Louis Langi – City of South San Francisco

**III. APPROVAL OF MINUTES OF December 8, 2020 MEETING**

The meeting did not have a quorum.

The minutes of the December 8, 2020 meeting will be approved next meeting.

**IV. PUBLIC COMMENT**

No comments from the public.



## **V. UPDATE ON PROJECTS AND MAINTENANCE ACTIVITIES**

### **Status on Projects:**

- Stormwater Capture Project at OMP – Per Eunejune Kim, Minerva Construction has a new contract to begin this work on March 15 and complete it by spring 2022.

### **Status on Maintenance Activities:**

- Maintenance Agreements – the Agreement with South San Francisco was approved by the City Council and District Board in December; a similar Agreement with the Town of Colma is in the process of being renewed.
- Illegal Dumping and Homeless Encampment – There has been an increase in homelessness and trash. Caltrans and SSF are scheduled to address these issues, especially underneath the Highway 101 bridge.

### **Comments:**

- District staff discussed how they are working with City staff to ensure District objectives complement City priorities in the General Plan, and vice versa.
- Helen thanked Len and Makena on behalf of the team for the informative documents and map.

## **VI. UPDATE TO THE 2019 COLMA CREEK HYDROLOGY & HYDRAULIC MODELING ANALYSIS REPORT**

- District staff discussed the additional information that has been added to the 2019 report and how it can be useful in future conversations with developers, as well as discussions with the City of South San Francisco on the General Plan Update.

## **ADJOURNMENT**

**NEXT MEETING** – Tuesday, June 8, 2021, 3:00 p.m.

**Colma Creek Citizens Advisory Committee Meeting**  
**Tuesday, June 8, 2021 3:00 pm (Remote Meeting)**

**AGENDA ITEM 4.A**

**Status of the Colma Creek Flood Zone Projects and Maintenance Activities**

A reference map of all Colma Creek Flood Zone Projects and Maintenance Activities (Appendix A) is enclosed. Questions on any of the material referenced below can be discussed at this Committee meeting.

**Status of Projects:** Non-recurring large planning or construction efforts led by the San Mateo County Flood and Sea Level Rise Resiliency District (OneShoreline) or by the County on behalf of OneShoreline.

**Planning and Coordination with City of South San Francisco's General Plan**

1. As the City of South San Francisco (City) planning staff and consultants continue to progress with the City's General Plan update, OneShoreline is continuing to engage with the City to identify sites of future work that could transform Colma Creek and Navigable Slough into community assets. OneShoreline has updated the 2019 Colma Creek Hydrology and Hydraulic Modeling Analysis Report to include areas adjacent to the creek vulnerable to flooding under future conditions that include more extreme storms and sea level rise. Potential projects are described below:

**a. Utah Avenue to Navigable Slough Flood Protection Project**

At the end of April, the County, on behalf of OneShoreline, submitted a letter to Cal OES to request a three-year extension to February 2025 of a \$3 million Hazard Mitigation Grant from FEMA to San Mateo County. This was requested so the project could be planned in conjunction with the City's planning for this area of Colma Creek within its ongoing General Plan update. If Cal OES grants this request, FEMA would still need to approve it and review the revised project scope, costs, benefits, and environmental issues.

In early May, OneShoreline also met with the former owner of a property in the vicinity of the project, who is planning remediation work to address elevated lead levels in the soils in landscaped areas within and potentially surrounding the property. If the scope of the project encroaches on OneShoreline right-of-way, then an easement will need to be obtained from OneShoreline, potentially leading to a larger conversation coordinating project objectives and approach with OneShoreline's plans for future flood protection improvements in this reach of the creek.

**b. Produce Avenue Area Channel Bank Project**

The project continues to be the subject of discussions between OneShoreline and the City concerning its General Plan update and a potential development project adjacent to the project site.

**2. Channel Discharge Pipe Repair/Replacement Project between U.S. Highway 101 and Utah Avenue**

This project will repair or replace deteriorated discharge pipes, and per the Colma Creek Long-term Maintenance Project Permit, this project needs to be completed by March 2022. County staff reviewed this project with OneShoreline in early August 2020 and it was approved to move forward. City staff recently confirmed that the portion of its storm drain pipe within its right-of-way does not require replacement in conjunction with the project on a cost-sharing basis. County plans to finalize the design of this project by July 2021 and request the OneShoreline Board's approval of a Job Order Contract (JOC) task order with a County contractor in August 2021 in order to complete construction before the deadline.

**Status of Maintenance Activities:** Recurring activities to maintain the existing Colma Creek channel, led by OneShoreline or by the County on behalf of OneShoreline.

**1. Work Completed Under Colma Creek Long-Term Maintenance Permit**

**\*Update on Permit Extension:** County staff and consultants have reached out to the various regulatory agencies regarding extending the Colma Creek Long-term Maintenance Permit, with OneShoreline as the permit holder, as the current permits will expire following the 2021 season. The relevant permits include:

- CA Dept. of Fish & Wildlife (CDFW) Lake and Streambed Alteration Agreement (expires 12/31/21).
- U.S. Army Corps of Engineers (USACE) Nationwide Permit, valid to March 18, 2022, unless the Permit is modified, suspended or revoked; USACE website indicates the process to reissue a new Permit is underway.
- The San Francisco Bay Regional Water Quality Control Board (Regional Board) 401 Certification has no expiration date but is required by the USACE permit so is subject to the Nationwide Permit valid dates listed above.

The CDFW has indicated that it would be possible to request a 5-year extension of the Lake and Streambed Alteration Agreement. However, the USACE informed the County that it will most likely not be able to renew the Nationwide Permit, and the County will need to submit a new USACE application. The County has been trying to obtain further direction from the USACE on this process and potential time frame.

#### **a. Ongoing Maintenance and Minor Repairs**

The quarterly inspection of the Colma Creek Flood Control Channel was performed on May 13 and 18, 2021 by staff from the County and the City of South San Francisco (City). See attached Appendix B.

The illegal dumping and homeless encampment activities were observed at the usual locations, including the access roads adjacent to the channel (Caltrain right-of-way and Union Pacific Railroad property downstream and upstream of Utah Avenue), under the S. Airport Blvd. and Produce Ave. bridges. These sites continue to be a concern for impact to the channel and water quality. The homeless encampment beneath the Highway 101 bridge under CalTrans' jurisdiction was cleared in March 2021; however, homeless encampments and activities continue to occur in the area.

The County has identified and finalized the list of maintenance work planned for the 2021 season (typically June through October), and the 2021 notification report was submitted to the appropriate agencies on May 20, 2021. The below list includes items that were identified for the 2020 season but were not completed due to time constraints.

1. Bank vegetation management (various locations);
2. Culvert replacement between S. Airport Boulevard and Utah Avenue;
3. Dredging upstream of Produce Avenue;
4. Spalling repairs downstream of Spruce Avenue;
5. Channel Bottom Repair (various locations);
6. Culvert outlet repairs downstream of the South San Francisco BART culvert;
7. Weep-hole vegetation and debris removal (various locations);
8. Expansion joint repair downstream of the Mission Road culvert;
9. El Camino Real box culvert repairs;
10. Graffiti management (various locations);
11. Fence repair (various locations).

Items #1, #10, and #11 may be performed by the City and Town of Colma staff or their contractors throughout the year under their Maintenance Agreements with OneShoreline. Item #7 is intended to also remove illegally discarded debris, such as, shopping carts, bikes, tree branches, etc., encountered during the various work.

#### **b. El Camino Box Culvert and Mission Road Diversion Structure**

The 2020 maintenance work included the box culvert repairs identified by the 2018 condition assessment study, which included an estimated cost of approximately \$550,000. The repairs in the Mission Road box culvert were completed in 2020 under a JOC between Andreini Brothers, Inc. and the County with a cost of \$164,654. The El Camino Real box culvert repairs will occur between June and October 2021 and are estimated to cost \$400,000. A pre-construction site visit with the contractor and the structural inspectors retained by the County to confirm the needed repairs has been scheduled for June 10, 2021. Construction activities should start shortly after.

**c. Work Completed through Maintenance Agreement with BART**

OneShoreline acceptance of a maintenance agreement with BART is contingent upon the completion of punch list items and additional repairs in the channel section constructed by BART. This work is projected to be completed in summer 2021 with an estimated cost of approximately \$187,500 for the remaining punch list items. Costs associated with the punch list items (i.e. expansion joint repairs, vegetation removal, fence repairs, and culvert outfall grouting) will be invoiced to BART.

**2. Sediment Dredging Downstream of Utah Ave**

On behalf of the District, the County continues to monitor sediment depositions in the channel from Utah Ave. bridge to Navigable Slough (through bathymetric surveys) to determine if dredging is needed. The next bathymetric survey is scheduled to occur this year.

**3. Mitigation Site Maintenance (see Appendix A map)**

Mitigation site maintenance at Sites 2a, 2b, 2c, 3, and 4 (downstream of Utah Ave.) continued with general monitoring and maintenance provided by Ecological Concerns, Inc. (ECI) and trash pickup by County staff/Sheriff Work Program (SWP) participants. The next cleanup date has been scheduled for June 26, 2021.

As the COVID-19 restrictions and social distancing practices are anticipated to remain in place through the summer of this year, County staff expects the amount of trash removed this year will be less than the amount during previous non-COVID years. Due to budget reductions, the SWP has also reduced their availability for bimonthly (twice a month) events, as well as the number of SWP workers at each event. The use of contractors to perform trash pickup may be an option to make up for the reduction of the SWP participation, but the cost would be significantly higher. The following table summarizes the amount of trash removed from the Mitigation Sites since 2005 and the trash pick-up dates in 2020 and early 2021.

| Year              | Trash Removed in cubic yards | Event Dates                        |
|-------------------|------------------------------|------------------------------------|
| 2021              | 7.13                         | 1/23, 2/20, 3/20, 4/17, 4/24, 5/29 |
| Total (2005-2021) | 706.24                       |                                    |

An additional 221.06 cubic yards of trash has been removed from other sites along the channel since 2005 for a total of 927.3 cubic yards.

**4. Municipal Regional Permit (MRP)**

**a. Contribution to Orange Memorial Park Operations & Maintenance**

The City of South San Francisco's Orange Memorial Park Water Capture Project is currently under construction (see further details in the update on Page 4) to provide water quality improvements to meet the NPDES requirements of the San Francisco Bay MRP, including a reduction in discharges of PCBs, mercury, and trash into San Francisco Bay. An agreement will likely be negotiated between the City, OneShoreline and the municipalities upstream of the project to fund project maintenance.

**b. Co-permittee Administration**

On behalf of OneShoreline, the County continues to perform MRP compliance activities, such as, public outreach and habitat restoration planting events, trash hot spot monitoring/cleanup/reporting, review of development project related to stormwater quality impacts, and respond to Regional Board requests for public comments on proposed new MRP amendments or requirements.

**5. Maintenance Agreements**

- a. With the City of South San Francisco:** A Maintenance Agreement between OneShoreline and City for maintenance of portions of the Colma Creek Channel within the City was executed as of February 2021. City staff have already begun engaging directly with OneShoreline to receive reimbursement for activities covered by the agreement.

- b. **With the Town of Colma:** The OneShoreline Board has now authorized OneShoreline's CEO to enter into Maintenance Agreements with the Town to support maintenance activities conducted by the Town for portions of Colma Creek and a key tributary within the incorporated limits of the Town. The Town plans to bring the Agreements to its Town Council in June.

**Status of Non-District Projects:** Non-recurring, big-ticket planning or construction efforts in the Colma Creek Flood Zone that are not led by OneShoreline.

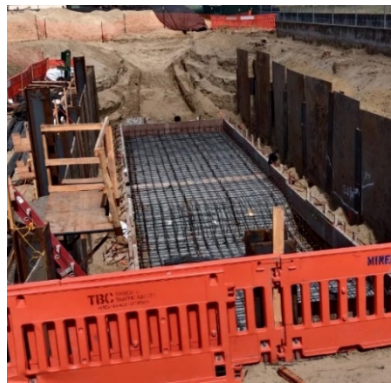
**1. Regional Stormwater Capture Project at Orange Memorial Park (City of South San Francisco and San Mateo Countywide Water Pollution Prevention Program)**

The Orange Memorial Park Stormwater Capture project is the construction of a multi-step stormwater capture and treatment system. The work involves the installation of a trash capture system near the western boundary of the park, installation of an underground gravity pipe along the picnic area and playground parallel to the creek, installation of a water treatment building and underground water storage tanks in the existing baseball field, and associated surface improvements and new utility lines to service the project. In December 2020 meeting, both the OneShoreline Board and South San Francisco City Council approved an agreement granting the City access to construct, operate, and maintain the project within OneShoreline's right-of-way in the creek channel.

The City has contracted the services of Minerva Construction to construct the project, which began March 15, and will continue through Spring 2022. The contractor completed excavation and shoring for the grit chamber and flow splitter, as well as demolition and trenching for the diversion pipe. Installation of the diversion pipe will continue for the next couple of months. For the grit chamber, the contractor placed concrete for the slab and reinforcing steel, form work, and prep continues for the concrete walls. There are two locations where the project cuts into the channel wall: diversion channel at the grit chamber and overflow pipe at the flow splitter. This work must be completed during the dry season and requires coordination with OneShoreline. Work within the channel is anticipated to begin mid-June.



*Figure 1. Excavation for the Grit Chamber Structure*



*Figure 2. Reinforcing Steel for the Concrete Slab at the Grit Chamber Structure*



*Figure 3. Diversion Pipe Trench with Shoring*

**2. PUC Site Development**

A new development is currently planned to convert land adjacent to Colma Creek upstream of Chestnut Avenue in the City of South San Francisco to mixed-use property. The project is still in early design and OneShoreline is currently in conversations with the developer regarding mutually-beneficial land rights agreements and enhancements to the Creek channel that would be completed by the developer.

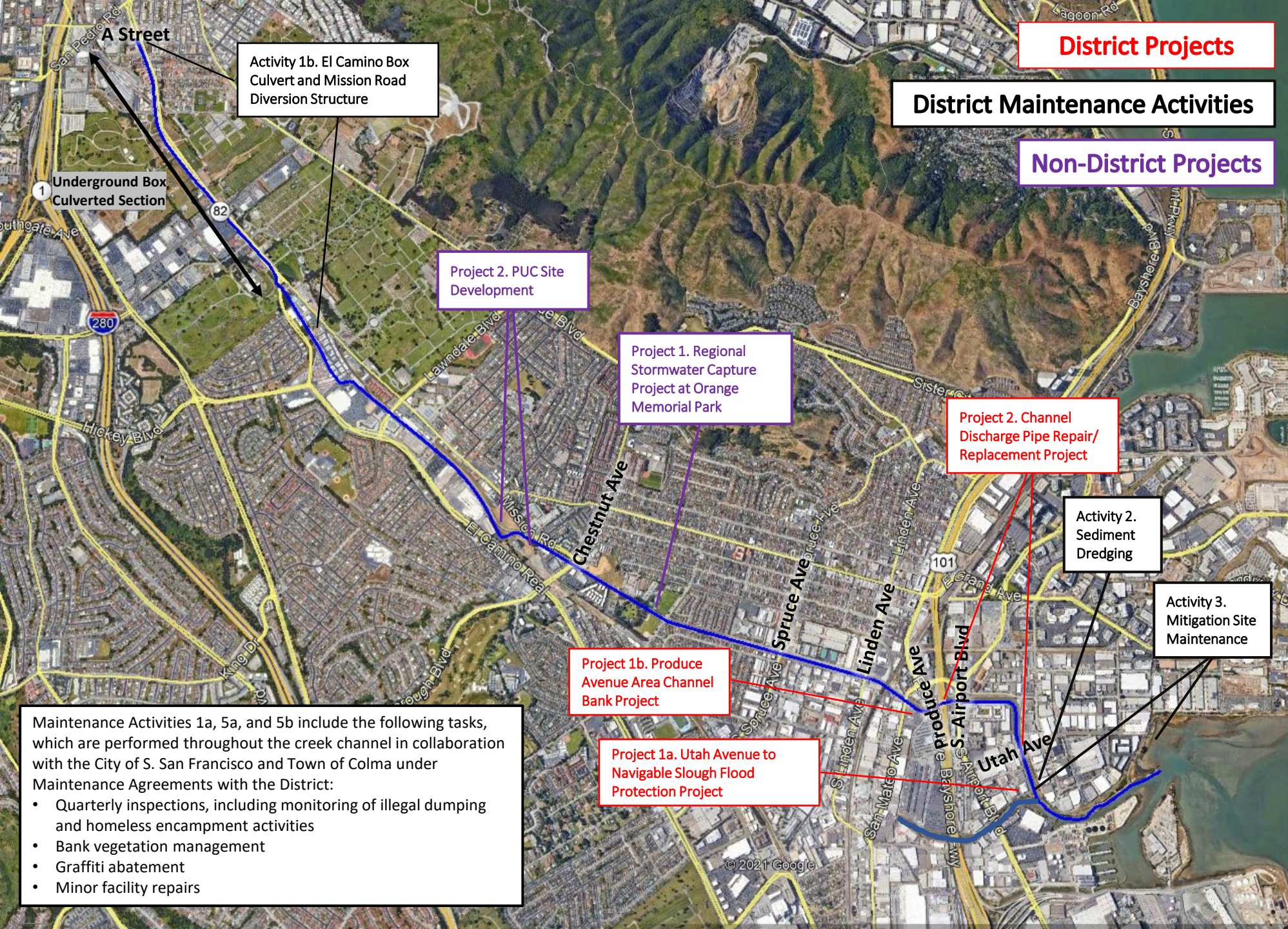
Colma Creek Flood Zone Project and Maintenance Activities Budget

June 8, 2021 Update

|  |  | Total of Prior 5 Years<br>(FY14-15 through 18-19)* | 2019-20<br>(Actual)* | 2020-21<br>(As of 3/20/2021) | 2020-21<br>(Estimated) | 2021-22<br>(Estimated) | 2022-23<br>(Estimated) |                                  |
|--|--|--|----------------------|------------------------------|------------------------|------------------------|------------------------|----------------------------------|
| <b>Revenue</b>                               |  | \$ 21,130,749                                      | \$ 5,350,021         |                              | \$ 4,490,000           | \$ 3,306,675           | \$ 3,306,675           |                                  |
| <b>Project Expenditures</b>                  |  |  |                      |                              |                        |                        |                        |                                  |
| Project Number                               | Project Name   |  |                      |                              |                        |                        |                        | Total<br>(FY14-15 through 22-23) |
| 1  | <b>Planning &amp; Coordination with SSF General Plan for Colma Creek and Navigable Slough</b>            |  |                      |                              |                        |                        |                        |                                  |
|  | Staff engagement with SSF and stakeholders   | \$ -   | \$ -                 | \$ 3,310                     | \$ 7,000               | \$ 45,000              | \$ -                   | \$ 52,000                        |
|  | Technical analysis and Master Plan preparation   | \$ 71,381  | \$ 14,568            | \$ 2,499                     | \$ 15,500              | \$ 60,000              | \$ -                   | \$ 161,449                       |
|  | Project Administration   | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ 25,000              | \$ -                   | \$ 25,000                        |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 238,449                       |
| 1a   | <b>Utah Avenue to Navigable Slough Flood Protection Project</b>  |  |                      |                              |                        |                        |                        |                                  |
|  | Preliminary Study  | \$ 53,790  | \$ -                 | \$ -                         | \$ -                   | \$ 100,000             | \$ -                   | \$ 153,790                       |
|  | Design & Permitting  | \$ 298,796   | \$ 5,179             | \$ 10,950                    | \$ 20,000              | \$ 200,000             | \$ 300,000             | \$ 823,974                       |
|  | Construction & Mitigation  | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ -                   | \$ -                   | \$ -                             |
|  | Project Administration   | \$ 162,146   | \$ 105,285           | \$ -                         | \$ -                   | \$ 50,000              | \$ 50,000              | \$ 367,431                       |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 1,345,195                     |
| 1b   | <b>Produce Avenue Area Channel Bank Project</b>  |  |                      |                              |                        |                        |                        |                                  |
|  | Preliminary Study  | \$ 105,926   | \$ -                 | \$ -                         | \$ -                   | \$ 200,000             | \$ -                   | \$ 305,926                       |
|  | Design & Permitting  | \$ 95,301  | \$ -                 | \$ -                         | \$ -                   | \$ 400,000             | \$ -                   | \$ 495,301                       |
|  | Construction & Mitigation  | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ -                   | \$ 2,000,000           | \$ 2,000,000                     |
|  | Project Administration   | \$ 25,612  | \$ 19,831            | \$ 4,025                     | \$ 4,025               | \$ 50,000              | \$ 300,000             | \$ 399,468                       |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 3,200,695                     |
| 2  | <b>Channel Discharge Pipe Repair/ Replacement (between U.S. Highway 101 &amp; Utah Ave)</b>              |  |                      |                              |                        |                        |                        |                                  |
|  | Design & Permitting  | \$ -   | \$ 67,308            | \$ 8,219                     | \$ 35,000              | \$ -                   | \$ -                   | \$ 102,308                       |
|  | Construction   | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ 326,618             | \$ -                   | \$ 326,618                       |
|  | Project Administration   | \$ -   | \$ 69,799            | \$ 16,214                    | \$ 25,000              | \$ 81,655              | \$ -                   | \$ 176,454                       |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 605,379                       |
|  | <b>Total Project Expenditures/Estimates</b>  | \$ 812,952   | \$ 281,969           | \$ 45,217                    | \$ 106,525             | \$ 1,538,273           | \$ 2,650,000           | \$ 5,389,719                     |
| <b>Maintenance Activities Expenditures</b>   |  |  |                      |                              |                        |                        |                        |                                  |
| Activity Number                              | Activity Name  |  |                      |                              |                        |                        |                        | Total<br>(FY14-15 through 22-23) |
| 1a   | <b>Colma Creek Long-Term Maintenance Permit: Ongoing Maintenance/Minor Repairs</b>                       |  |                      |                              |                        |                        |                        |                                  |
|  | Design & Permitting  | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ -                   | \$ -                   | \$ -                             |
|  | Construction   | \$ -   | \$ -                 | \$ 156,459                   | \$ 50,000              | \$ 300,000             | \$ 50,000              | \$ 400,000                       |
|  | Project Administration   | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ -                   | \$ -                   | \$ -                             |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 400,000                       |
| 1b   | <b>Colma Creek Long-Term Maintenance Permit: El Camino Real Culvert/Mission Road Diversion Structure</b> |  |                      |                              |                        |                        |                        |                                  |
|  | Design   | \$ 80,441  | \$ -                 | \$ -                         | \$ -                   | \$ -                   | \$ -                   | \$ 80,441                        |
|  | Construction   | \$ 91,883  | \$ -                 | \$ 164,654                   | \$ 265,000             | \$ 300,000             | \$ -                   | \$ 656,883                       |
|  | Project Administration   | \$ -   | \$ 1,479             | \$ -                         | \$ 66,250              | \$ 75,000              | \$ -                   | \$ 142,729                       |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 880,054                       |
| 1c   | <b>Colma Creek Long-Term Maintenance Permit: BART Maintenance Agreement (Mission Road - Oak Avenue)</b>  |  |                      |                              |                        |                        |                        |                                  |
|  | Construction   | \$ 65,386  | \$ -                 | \$ -                         | \$ -                   | \$ 150,000             | \$ -                   | \$ 215,386                       |
|  | Project Administration   | \$ 21,994  | \$ -                 | \$ -                         | \$ -                   | \$ 37,500              | \$ -                   | \$ 59,494                        |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 274,880                       |
| 1d   | <b>Colma Creek Long-Term Maintenance Permit: Admin</b>   |  |                      |                              |                        |                        |                        |                                  |
|  | Annual Maintenance Activities  | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ -                   | \$ -                   | \$ -                             |
|  | Design & Permitting  | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ -                   | \$ -                   | \$ -                             |
|  | Construction   | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ -                   | \$ -                   | \$ -                             |
|  | Project Administration   | \$ -   | \$ -                 | \$ 125,732                   | \$ 200,000             | \$ 200,000             | \$ 200,000             | \$ 600,000                       |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 600,000                       |
| 2  | <b>Sediment Dredging (Between Utah Ave. to Navigable Slough)</b>   |  |                      |                              |                        |                        |                        |                                  |
|  | Sediment Study & Monitoring  | \$ 40,400  | \$ -                 | \$ -                         | \$ -                   | \$ 20,000              | \$ -                   | \$ 60,400                        |
|  | Design & Permitting  | \$ 8,593   | \$ -                 | \$ -                         | \$ -                   | \$ -                   | \$ -                   | \$ 8,593                         |
|  | Construction   | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ -                   | \$ -                   | \$ -                             |
|  | Project Administration   | \$ 12,248  | \$ -                 | \$ -                         | \$ -                   | \$ 5,000               | \$ -                   | \$ 17,248                        |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 86,241                        |
| 3  | <b>Mitigation Site Maintenance (Sites 2, 3 &amp; 4)</b>  |  |                      |                              |                        |                        |                        |                                  |
|  | Annual Maintenance Activities  | \$ 395,085   | \$ 3,910             | \$ -                         | \$ -                   | \$ -                   | \$ -                   | \$ 398,995                       |
|  | Design & Permitting  | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ -                   | \$ -                   | \$ -                             |
|  | Construction   | \$ -   | \$ 15,212            | \$ -                         | \$ -                   | \$ -                   | \$ -                   | \$ 15,212                        |
|  | Project Administration   | \$ -   | \$ 103,707           | \$ 26,998                    | \$ 40,000              | \$ 90,000              | \$ 90,000              | \$ 323,707                       |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 737,914                       |
| 4a   | <b>Municipal Regional Permit: Contribution to Orange Memorial Park O&amp;M</b>                           |  |                      |                              |                        |                        |                        |                                  |
|  | Construction   | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ -                   | TBD                    | \$ -                             |
|  | Project Administration   | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ -                   | TBD                    | \$ -                             |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ -                             |
| 4b   | <b>Municipal Regional Permit: Admin</b>  |  |                      |                              |                        |                        |                        |                                  |
|  | Project Administration   | \$ -   | \$ -                 | \$ 5,150                     | \$ 7,700               | \$ 7,700               | \$ 7,700               | \$ 23,100                        |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 23,100                        |
| 5a   | <b>Maintenance Agreement with South San Francisco</b>  |  |                      |                              |                        |                        |                        |                                  |
|  | Annual Maintenance Activities  | \$ -   | \$ -                 | \$ 2,650                     | \$ 10,000              | \$ 45,000              | \$ 45,000              | \$ 100,000                       |
|  | Project Administration   | \$ -   | \$ -                 | \$ 2,227                     | \$ 3,000               | \$ 2,000               | \$ 2,000               | \$ 7,000                         |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 107,000                       |
| 5b   | <b>Maintenance Agreements with Colma</b>   |  |                      |                              |                        |                        |                        |                                  |
|  | Annual Maintenance Activities  | \$ -   | \$ -                 | \$ -                         | \$ -                   | \$ 35,000              | \$ 35,000              | \$ 70,000                        |
|  | Project Administration   | \$ -   | \$ -                 | \$ 3,671                     | \$ 5,000               | \$ 2,000               | \$ 2,000               | \$ 9,000                         |
|  | Project Total  |  |                      |                              |                        |                        |                        | \$ 79,000                        |
|  | <b>Total Maintenance Activities Expenditures/Estimates</b>   | \$ 716,030   | \$ 124,308           | \$ 487,540                   | \$ 646,950             | \$ 1,269,200           | \$ 431,700             | \$ 3,188,189                     |
|  | <b>Total Expenditures/Estimates</b>  | \$ 1,528,982                                       | \$ 406,277           | \$ 532,757                   | \$ 753,475             | \$ 2,807,473           | \$ 3,081,700           | \$ 8,577,907                     |
| <b>Fund Balance at Ending of Fiscal Year</b> |  |  | \$ 26,031,019        |                              | \$ 29,767,544          |                        |                        |                                  |

\*Expenditures for FY14-15 through FY19-20 do not include staff time







**Appendix B**  
**Colma Creek Channel Maintenance Monitoring Photos**  
Survey Dates: May 13 and May 18, 2021  
**Mouth to Produce Avenue Maintenance Segment**



**Photos 1 & 2** – Top photo shows invasive weed, perennial pepperweed, observed off the San Francisco Bay Trail and behind 310 Utah Avenue (outside of Mitigation Site 3). **Perennial pepperweed was treated by SSF in May; the weed is highly invasive and it is recommended that SSF work to eradicate this patch.** Bottom photo shows damaged fence at Colma Creek Site 2c near the pedestrian bridge. **Damaged fence may be repaired/replaced with the planned channel improvement project currently on hold.**



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 3 & 4** – Top photo shows Colma Creek looking downstream from the Bay Trail pedestrian bridge. Bottom photo shows Colma Creek looking upstream from the pedestrian bridge.



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 5 & 6** – The top photo shows homeless encampment activity along the Colma Creek Service Road. Homeless activity was observed near the Bay Trail pedestrian bridge as well. **SSFPD and City Code Enforcement have been notified of the observation.** The bottom photo shows the damaged fence at the Colma Creek mitigation site 2a near the Utah Avenue bridge. **Damaged fence may be repaired/replaced with the planned channel improvement project currently on hold.**



# Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 7 & 8** – Top photo shows Colma Creek looking downstream from the Utah Avenue bridge. Bottom photo shows Colma Creek looking upstream from the Utah Avenue bridge.



# Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 9 & 10** – Top photo shows Colma Creek looking downstream toward the Utah Avenue bridge. Bottom photo shows Colma Creek looking upstream toward the S. Airport Blvd. bridge.



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 11 & 12** – Top photo shows Colma Creek looking downstream from the S. Airport Blvd. bridge. Bottom photo shows homeless encampment activity beneath the S. Airport Blvd. bridge. **SSFPD and City Code Enforcement** have been notified of the observation.



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 13, 14, & 15** – Top and middle photos show increased litter on the banks of Colma Creek from the businesses at 180 S. Airport Blvd. Bottom photo shows Colma Creek looking upstream from South Airport Boulevard bridge.



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 16 & 17** – Top photo shows recent CalTrans construction activity to install new guardrails near the Highway 101 bridge over Colma Creek. Bottom photo shows a shopping cart in the channel. Numerous shopping carts were observed in the vicinity, most likely by the occupants of the encampments. **SSFPD and City Code Enforcement have been notified of the observation.**



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021

### Produce Avenue to the Dissipater Teeth Maintenance Segment:



**Photos 18 & 19** – Top photo shows Colma Creek looking downstream towards the Highway 101 bridge. The homeless encampment beneath the bridge was cleared by CalTrans in March. It has been observed that occupants from cleared encampments would simply move to other locations nearby. Bottom photo shows the removal of the gate obstructing the southern side of the Produce Ave. bridge due to homeless encampment activity.



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 20 & 21** – Top photo shows Colma Creek looking upstream from the Produce Avenue bridge. **Sediment accumulated near the northern (right) bank is to be dredged during the 2021 maintenance season.** Bottom photo shows Colma Creek looking downstream from the San Mateo Avenue Bridge.



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 22 & 23** – Top photo shows a discarded bike in the channel below the San Mateo Ave. bridge. Debris, such as, shopping carts, bikes, tree branches, etc., encountered during the 2021 maintenance work will be removed when possible. Bottom photo shows Colma Creek looking upstream from the San Mateo Avenue Bridge.



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 24 & 25** – Top photo shows Colma Creek looking downstream from the Linden Avenue Bridge.. Bottom photo shows Colma Creek looking upstream from the Linden Avenue Bridge.



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 26 & 27** – Top photo shows Colma Creek looking downstream from the Spruce Avenue Bridge. Bottom photo shows Colma Creek looking upstream from the Spruce Avenue Bridge.



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021

### Dissipater Teeth to Old Channel Maintenance Segment



**Photos 28 & 29** – Top photo shows the dissipater teeth; current impediments include vegetative debris and one bike. **Debris, such as, shopping carts, bikes, tree branches, etc., encountered during the 2021 maintenance work will be removed when possible.** Bottom photo shows Colma Creek looking downstream from the Orange Avenue bridge.



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 30 & 31** – Top photo shows Colma Creek looking upstream from the Orange Avenue bridge. Construction for the Orange Memorial Park Storm Water Capture Project can be observed on the south (left) bank. Bottom photo shows Colma Creek looking upstream from Orange Park pedestrian bridge near the park maintenance yard.



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 32 & 33** – Top photo shows Colma Creek looking downstream from the Centennial Way pedestrian bridge. Bottom photo shows illegal dumping within the channel downstream of Centennial Way pedestrian bridge; one shopping cart and other assorted debris was observed. **Debris, such as, shopping carts, bikes, tree branches, etc., encountered during the 2021 maintenance work will be removed when possible.**



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 34 & 35** – Top photo shows Colma Creek looking upstream from the Centennial Way pedestrian bridge. Bottom photo shows Colma Creek looking downstream from the SSF BART Station box culvert.



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 36 & 37** – Top photo shows Colma Creek looking upstream from McLellan Drive. Bottom photo shows Colma Creek looking upstream from the Costco pedestrian bridge. New graffiti was observed throughout this segment of the channel. **The Town of Colma will be notified for inclusion into Town maintenance work under the MOA with the District.**



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 38 & 39** – Top photo shows new graffiti in the Colma Creek channel downstream from the Mission Road box culvert. Bottom photo shows Colma Creek looking downstream from the Mission Road box culvert and new graffiti. **The Town of Colma will be notified for inclusion into Town maintenance work under the MOA with the District.**



## Colma Creek Channel Maintenance Monitoring Photos

Survey Dates: May 13 and May 18, 2021



**Photos 40 & 41** – Top photo shows new graffiti at the Old Colma Creek diversion structure. **The Town of Colma will be notified for inclusion into Town maintenance work under the MOA with the District.** Bottom photo shows Old Colma Creek channel downstream of the El Camino Real bridge at the Mission Road intersection.