



**BSV Phase II - Environmental Commitments Record
Legend**

LEGEND	Blue Text	Indicates updates since last quarterly report
	---	Indicates N/A or no update/activity is applicable to this quarterly report
	"gray row"	Indicates mitigation measure complete or N/A
	Acronyms	
	AEOC	Arena Entertainment and Operations Committee
	ARTP	Archaeological Resources Treatment Plan
	BAAQMD	Bay Area Air Quality Management District
	Caltrans	California Department of Transportation
	CEOP	Construction Education and Outreach Plan
	CHSRA	California High Speed Rail Authority
	CMP	Containment Management Plan
	COMP	Construction Outreach Management Program
	CP	Consulting Parties
	CTMP	Construction Transportation Management Plan
	CWG	Community Working Groups
	ESCP	Emergency Services Coordination
	FHA	Federal Highway Administration
	FRA	Federal Railroad Administration
	FST	Floating Slab Track
	FTA	Federal Transit Administration
	ISA	Initial Site Assessment
	IST	Isolated Slab Track
	NA	Native American
	PA	Programmatic Agreement
	RAPs	Remedial Action Plans
	ROD	Record of Decision
	RWQCB	Regional Water Quality Control Board
	SHPO	State Historic Preservation Officer
	SJRRRC	San Joaquin Regional Rail Commission
	SJWC	San Jose Water Company
TCP	Traffic Control Plans	
VTA	Santa Clara Valley Transportation Authority	
Timeframe for Implementation letter codes:		
C	Construction	
D	Design	
P	Post Construction	
Responsible Party codes: VTA and/or C = Contractor		
Compliance Status letter codes:		
IC	In Compliance	
OU	Out of Compliance	
CC	Complete and Closed	
N/A	Non Applicable	

Source Document Abbreviations		
Santa Clara Valley Transportation Authority, Board of Directors		
BOD ATT-A	April 5, 2018, Board Memorandum. Attachment A-Recommended Project Description	
Supplemental Environmental Impact Statement (SEIS), Subsequent Environmental Impact Report (SEIR)		
Vol-1		Volume 1
CH-1	Chapter 1	Executive Summary
CH-2	Chapter 2	Alternatives
CH-3	Chapter 3	NEPA and CEQA Transportation Operation Analysis
CH-4	Chapter 4	NEPA Alternatives Analysis of Operations
CH-5	Chapter 5	NEPA Alternatives Analysis of Construction
CH-6	Chapter 6	CEQA Alternatives Analysis of Construction and Operation
CH-7	Chapter 7	Other NEPA and CEQA Considerations
CH-8	Chapter 8	Section 4(f) of the Department of Transportation Act of 1966
CH-9	Chapter 9	Financial Considerations
CH-10	Chapter 10	Agency and Community Participation
Vol-2		Volume 2. Responses to Comments
ROD		Federal Transit Administration Record of Decision
VTA Sustainability Practices		
VTA-Green		VTA Green Building Policy 400.004
VTA-Sust		VTA Sustainable Landscaping Policy CMA-CL-PL-7120



**BSV Phase II - Environmental Commitments Record
Mitigation Monitoring & Reporting Program**

Env Doc Chapter / Mitigation Topic	Environmental Document Chapter	Mitigation Topic	MMRP Code		Source Document	Summary	Mitigation Measure	Location	Implementation					2022 Q4	Quarter Mitigation Completed
			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	1	- MMRP-TRA-CNST-A-01	Vol-1, ROD	Develop a Construction Education and Outreach Plan (CEOP)	Program-wide	D	C		VTA	IC	<p>This is a summary mitigation measure. For individual components of the CEOP please refer to MMRP-TRA-CNST-A-02 through A-16, below.</p> <p>The CEOP was prepared in two parts, as follows: Part A: Planning Phase Part B: Construction</p> <p>The CEOP was added as a reference document in the VTA-CSJ and VTA-CSC Cooperative Agreements.</p>		
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	2	- MMRP-TRA-CNST-A-02	Vol-1, ROD	Establish Community Outreach Field Office	Program-wide	D	C		VTA	IC	<p>This is a summary mitigation measure. For individual components of the CEOP please refer to MMRP-TRA-CNST-A-02 through A-16, below.</p> <p>The CEOP was prepared in two parts, as follows: Part A: Planning Phase Part B: Construction</p> <p>The CEOP was added as a reference document in the VTA-CSJ and VTA-CSC Cooperative Agreements.</p>		
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	3	- MMRP-TRA-CNST-A-03	Vol-1, ROD	Provide Project Hotline	Program-wide	D	C		VTA	IC	<p>In Q4 2022, the English phone number was updated. VTA maintained the public outreach phone number and email for project inquiries (English 408-321-2345, Spanish, Tagalog, Chinese, Vietnamese, Korean & Portuguese: 408-321-2300. TTY: 408-321-2330 and vtabart@vtabsv.com).</p>		



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Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	4	- MMRP-TRA-CNST-	Vol-1, ROD	Conduct Business Operational Surveys	Develop and Implement a Construction Education and Outreach Plan: Conduct preconstruction operational surveys of businesses located adjacent to construction areas to ascertain hours of operation, access, deliveries, customer base, special circumstances, and key contacts.	Program-wide	D	C		VTA	CC	MITIGATION COMPLETE - See Q4 2020	Q4 2020
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	5	- MMRP-TRA-CNST-	Vol-1, ROD	Coordinate on Other Construction Projects	Develop and Implement a Construction Education and Outreach Plan: Coordinate with cities to obtain information about upcoming adjacent construction projects to minimize disruptions and delays.	Program-wide	D	C		VTA	IC	In Q4 2022, VTA did not have monthly meetings with Office of Economic Development City of San Jose and San Jose Downtown Association Board Meeting. Meetings were held with City of San Jose's Arena Entertainment and Operations Committee (AEOC) on 10/13/22, 11/10/22 and 12/8/22.	
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	6	- MMRP-TRA-CNST-	Vol-1, ROD	Engage with Stakeholders	Develop and Implement a Construction Education and Outreach Plan: Inform and engage partner agencies, stakeholders, including VTA's BART Silicon Valley Phase II Community Working Groups, business organizations, business owners, tenants, the media, and the public on a regular and frequent basis.	Program-wide	D	C		VTA	IC	In Q4 2022 VTA held three CWG meetings on 11/15, 11/16 and 11/17	
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	7	- MMRP-TRA-CNST-	Vol-1, ROD	Engage Public	Develop and Implement a Construction Education and Outreach Plan: Conduct public workshops, meetings, or webinars for community members. Hold regular meetings with the surrounding businesses and residents throughout the course of construction.	Program-wide	D	C		VTA	IC	No public workshops, meetings, or webinars for community members were held in Q4 2022.	
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	8	- MMRP-TRA-CNST-	Vol-1, ROD	Distribute Project Information	Develop and Implement a Construction Education and Outreach Plan: Distribute and post project information and advanced construction notification via the project website, social and traditional media, signage, face-to-face visits, flyers, mailers, emails, and other communication methods as appropriate.	Program-wide	D	C		VTA	IC	For Q4 2022: • 1 construction notice was issued. • 6 Facebook and 5 Twitter posts were shared.	



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Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	9	- MMRP-TRA-CNST-09	Vol-1, ROD	Develop Project Signage Program	Develop and Implement a Construction Education and Outreach Plan: Develop a project signage program identifying project corridor, station areas, construction timeline, and funding.	Program-wide	D	C		VTA	IC	VTA included signage specifications in the applicable Contract Package RFPs including language requiring project identification, project corridor, and field office signage. There was no update in Q4 2022.	
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	10	- MMRP-TRA-CNST-10	Vol-1, ROD	Display Maps and Construction Schedule	Develop and Implement a Construction Education and Outreach Plan: Display maps and construction schedule information in project field office(s) and around the construction area.	Program-wide	D	C		VTA	IC	---	
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	11	- MMRP-TRA-CNST-11	Vol-1, ROD	Display Parking and Access	Develop and Implement a Construction Education and Outreach Plan: Increase visibility of alternative parking and access via signage, website postings, and other communication methods.	Program-wide	D	C		VTA	IC	---	
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	12	- MMRP-TRA-CNST-12	Vol-1, ROD	Maintain Media Relations	Develop and Implement a Construction Education and Outreach Plan: Maintain media relations (i.e., news releases, news articles, and interviews).	Program-wide	D	C		VTA	IC	In Q4 2022 the media covered the project 4 times and VTA wrote 5 blogs.	
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	13	- MMRP-TRA-CNST-13	Vol-1, ROD	Designate Community Outreach Personnel	Develop and Implement a Construction Education and Outreach Plan: Designate community outreach personnel available on site for the duration of the construction project.	Program-wide	D	C		VTA	IC	---	



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Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	14	- MMRP-TRA-CNST-A-14	Vol-1, ROD	Promote Access to Businesses	Develop and Implement a Construction Education and Outreach Plan: Work with property owners and business owners in the station areas to promote access to businesses during construction, including enhanced signage.	Program-wide	D	C		VTA	IC	---	
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	15	- MMRP-TRA-CNST-A-15	Vol-1, ROD	Market Businesses During Construction	Develop and Implement a Construction Education and Outreach Plan: Provide marketing assistance, technical business support, and cross-promotional efforts to businesses within the area impacted by construction to encourage customers to shop at businesses during construction.	Program-wide	D	C		VTA	IC	In Q4 2022, VTA did not hold any Small Business meetings.	
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	16	- MMRP-TRA-CNST-A-16	Vol-1, ROD	Provide Notice of Utility Outages	Develop and Implement a Construction Education and Outreach Plan: Establish outreach to stakeholders to provide advanced notice of scheduled utility outages.	Program-wide	D	C		VTA	IC	---	
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	17	- MMRP-TRA-CNST-A-17	Vol-1, ROD	Proactive Multi-Language Community Involvement	Develop and Implement a Construction Education and Outreach Plan: Throughout development and implementation, the education and outreach activities will be comprehensive, seeking widespread involvement; proactive, with efforts geared toward obtaining input, as well as disseminating information; responsive to various needs, including multiple languages and alternative formats; and timely, accurate, and results-oriented.	Program-wide	D	C		VTA	IC	This is a summary mitigation measure. For individual components of the Construction Education and Outreach Plan (CEOP) please refer to MMRP-TRA-CNST-A-02 through A-16, above.	



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Transportation/ Develop and Implement a Construction Transportation Management Plan	Transportation	Develop Construction Transportation Management Plan (CTMP)	18	- MMRP-TRA-01-CNST-	B-01	Vol-1, ROD	<p>Develop and Implement a Construction Transportation Management Plan: After the environmental process is complete and prior to beginning any construction activity, VTA will work with the Cities of San Jose and Santa Clara to develop Master Cooperative Agreements that will direct all coordination and partnering efforts between VTA and the cities prior to and during construction of the BART Extension. One element of the Master Cooperative Agreements with the cities will be the Construction Outreach Management Program (COMP). One of the three parts of the COMP is Construction Transportation Management Plan (CTMP). VTA and its General Engineering Contractor will develop and implement the CTMP in partnership with the Cities of San Jose and Santa Clara to coordinate location-specific circulation and access within and around the construction areas for all modes, including automobiles, trucks and construction vehicles, bicyclists, pedestrians, and public transportation such as buses and light rail. The CTMP will be organized according to each of the ten major project elements listed from east to west along the alignment: East Tunnel Portal, Alum Rock/28th Street Station, 13th Street Ventilation Structure, Downtown San Jose Station, Diridon Station, Stockton Avenue Ventilation Structure, West Tunnel Portal, Newhall Maintenance Facility, and Santa Clara Station, and any offsite improvement locations. The CTMP will be tailored to address the site-specific circumstances and sequencing of construction at each of the ten areas. The CTMP will be developed in partnership with the applicable city and incorporated into all plans and specifications of all contracts through which the BART Extension will be implemented.</p> <p>Critical components of the CTMP are as follows:</p> <ul style="list-style-type: none"> • Sequencing schedule depicting the proposed location and timing of construction activities on a routine basis for the duration of the project. • Proposed phasing of construction, anticipated lane and street closures, detours, temporary signals, and street reconfigurations, including durations of all of the above and signage requirements that the contractor must follow. • Truck haul routes. • Location-specific requirements as applicable. • In addition, VTA will work with the cities to minimize access and circulation construction impacts during special events, including Christmas in the Park, parades, and marathons. 	Program-wide	D	C		VTA	IC	In Q4 2022 KST began development of the CP2 CTMP for Early Works at the West Portal. VTA and KST engaged with the Cities of San Jose and Santa Clara and other stakeholders during the development of the draft document.	



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Transportation/ Develop and Implement a Construction Transportation Management Plan	Transportation	Develop Construction Transportation Management Plan (CTMP)	19	- MMRP-TRA-CNST-02	Vol-1, ROD	Develop Individual Traffic Control Plans (TCPs)	Develop and Implement a Construction Transportation Management Plan: After the CTMP has been approved, individual Traffic Control Plans (TCPs) will be developed for specific design elements at each of the ten major project elements and throughout the 8-year duration of construction. The TCPs will address all modes including automobiles, trucks, and construction vehicles, bicyclists, pedestrians, and public transportation such as buses and light rail. The TCPs will be prepared by the contractor and approved by VTA and the applicable city prior to construction of the specific design element.	Program-wide	D	C		VTA	IC	---	
Transportation/ Develop and Implement a Construction Transportation Management Plan	Transportation	Develop Construction Transportation Management Plan (CTMP)	20	- MMRP-TRA-CNST-03	Vol-1, ROD	Include Site-Specific Requirements in Traffic Control Plans (TCPs)	Develop and Implement a Construction Transportation Management Plan: The TCPs will include site-specific requirements such as the following. <ul style="list-style-type: none"> Alternative access routes where practicable and wayfinding signage for all detours affecting roadway users, including vehicular traffic, trucks and construction vehicles, bicyclists, and pedestrians. Early signage of potential construction delays for all roadway users to choose alternate routes. Minimum requirements for pedestrians and bicyclists to provide safe travel corridors within and through construction areas or provide detour routes. Coordination between VTA and transit providers as necessary prior to construction to ensure that any necessary re-routing of bus routes and temporary relocation of bus stops during construction is done to minimize impacts on bus riders. Early signage of potential transit delays for transit riders to plan trips accordingly. Notification of the Cities of San Jose and Santa Clara, business owners, residents, and key stakeholders regarding lane and road closures that would affect parking, including both off-street and on-street parking. Maps of all publicly available off-street and on-street parking that will be removed during construction. Schedule of removal of each parking area. Requirement that construction workers must park in construction staging areas or other designated areas. In addition, in coordination with city partners, VTA will work with its contractors and the cities to restore parking as construction nears completion to the extent feasible. 	Program-wide	D	C		VTA	IC	---	



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Transportation / Implement an Emergency Services Coordination Plan (ESCP)	Transportation	Implement an Emergency Services Coordination Plan (ESCP)	21	- MMRP-TRA-CNST-C	Vol-1, ROD	Implement an Emergency Services Coordination Plan (ESCP)	<p>Prepare and Implement an Emergency Services Coordination Plan: After the environmental process is complete and prior to beginning any construction activity, VTA will work with the Cities of San Jose and Santa Clara to develop Master Cooperative Agreements that will direct all coordination and partnering efforts between VTA and the cities prior to and during construction of the BART Extension. One element of the Master Cooperative Agreements with the cities will be the COMP. One of the three parts of the COMP is the Emergency Services Coordination (ESCP).</p> <p>As local emergency service routes and response times could be affected by construction activities, VTA will coordinate with local fire and police services to develop the ESCP to minimize this impact. The ESCP will be incorporated into the plans and specifications of all contracts through which the BART Extension will be implemented.</p> <p>Critical components of coordination are as follows.</p> <ul style="list-style-type: none"> • VTA will inform the local fire and police departments of the construction schedule, and potential lane and road closures. • VTA will work with emergency providers to ensure emergency access to residents and businesses and to maintain the cities' emergency service response times. • VTA will work with the local fire and police departments on the detour routes. • VTA will provide road signage for detours and provide manual traffic control on detour routes as necessary. 	Program-wide	D	C		VTA	IC	<p>In Q3 2022, the Emergency Services Coordination Plan was negotiated.</p> <p>A Field diagnostics meeting was held in November 2022. Expected timeframe of completion is late 2023.</p>	
Transportation / Provide Temporary Replacement Parking at Diridon Station NEPA ONLY MITIGATION MEASURE	Transportation	Provide Temporary Replacement Parking at Diridon Station NEPA ONLY MITIGATION MEASURE	22	- MMRP-TRA-CNST-D	Vol-1, ROD	Provide Temporary Parking at Diridon	<p>Provide Temporary Replacement Parking at Diridon (Diridon Station Only, NEPA ONLY MITIGATION MEASURE): VTA will provide 450 temporary replacement off-street parking spaces during construction to mitigate for parking impacts caused by the BART Extension construction. The temporary replacement parking will be provided prior to the removal of existing parking spaces.</p>	Diridon Station		C		VTA	IC	<p>In Q4 2022, VTA advanced design of construction parking with the intent to be complete in Q4 2023.</p>	



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Transportation/ Implement Intersection Improvements at Coleman Avenue and Brokaw Road (for TOJD)	Transportation	Implement Intersection Improvements at Coleman Avenue and Brokaw Road (for TOJD)	23	- MMRP-TRA-A	-	Vol-1, ROD	Improve Intersection at Coleman Ave. & Brokaw Rd.	TOJD; Santa Clara	C	P		VTA	IC	TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	
Transportation/ Implement Intersection Improvements at Lafayette Street and Lewis Street (for TOJD)	Transportation	Implement Intersection Improvements at Lafayette Street and Lewis Street (for TOJD)	24	- MMRP-TRA-B	-	Vol-1, ROD	Improve Intersection at Lafayette St. & Lewis St.	TOJD; Santa Clara	C	P		VTA	IC	TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	
Transportation/ Implement Intersection Improvements at the Intersection of Coleman Avenue and I880 Southbound Ramps (for TOJD)	Transportation	Implement Intersection Improvements at the Intersection of Coleman Avenue and I880 Southbound Ramps (for TOJD)	25	- MMRP-TRA-C	-	Vol-1, ROD	Improve Intersection at Coleman Ave. & I880 Southbound Ramps	TOJD; Santa Clara	C	P		VTA	IC	TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	26	- MMRP-AQ-CNST-A-01	-	Vol-1, ROD	Implement Dust Control Measures per Bay Area Air Quality Management District (BAAQMD)	Program-wide	C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	27	- MMRP-AQ-CNST-A-02	-	Vol-1, ROD	Water Exposed Surfaces	Program-wide	C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	



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Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	28	- MMRP-AQ-03- CNST-	Vol-1, ROD	Maintain Soil Moisture Content	Implement Dust Control Measures: The contractor will water all exposed surfaces at a frequency that will maintain a minimum soil moisture content of 12 percent. Moisture content can be verified by lab samples or a moisture probe, although such verification is typically visual. No visible dust emissions are permitted to leave the construction area.	Program-wide	C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	29	- MMRP-AQ-04- CNST-	Vol-1, ROD	Cover or Moisten Haul Trucks	Implement Dust Control Measures: The contractor will cover or moisten all haul trucks that transport soil, sand, or other loose material offsite such that there are no dust emissions.	Program-wide	C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	30	- MMRP-AQ-05- CNST-	Vol-1, ROD	Use Wet Power Vacuum Street Sweepers	Implement Dust Control Measures: The contractor will remove all visible mud or dirt track-out onto adjacent public roads using wet power vacuum street sweepers at least once per day, or more frequently if needed to control track-out during active soil hauling operations. The use of dry power sweeping is prohibited.	Program-wide	C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	31	- MMRP-AQ-06- CNST-	Vol-1, ROD	Limit Vehicle Speed	Implement Dust Control Measures: The contractor will limit all vehicle speeds on unpaved roads to 15 mph.	Program-wide	C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	



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Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	32	- MMRP-AQ- CNST-	A-07	Vol-1, ROD	Complete Paving ASAP	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	33	- MMRP-AQ- CNST-	A-08	Vol-1, ROD	Post Signage Regarding Dust Complaints	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	34	- MMRP-AQ- CNST-	A-09	Vol-1, ROD	Suspend Earth Moving Activities When Windy	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	35	- MMRP-AQ- CNST-	A-10	Vol-1, ROD	Install Windbreaks	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	36	- MMRP-AQ- CNST-	A-11	Vol-1, ROD	Plant Vegetation ASAP	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	37	- MMRP-AQ- CNST-	A-12	Vol-1, ROD	Phase Ground-Disturbing Activities	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	38	- MMRP-AQ- CNST-	A-13	Vol-1, ROD	Use Construction Entrances/Exits	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	39	- MMRP-AQ- CNST-	A-14	Vol-1, ROD	Install Sediment and Erosion Control Devices	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	40	- MMRP-AQ- CNST-15	Vol-1, ROD	Control Dust During Operation of Concrete Batch Plants	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.		
Air Quality/ Use U.S. Environmental Protection Agency (EPA) Tier 4 or cleaner engines	Air Quality	Use U.S. Environmental Protection Agency (EPA) Tier 4 or cleaner engines	41	- MMRP-AQ- CNST-B	Vol-1, ROD	Use U.S. Environmental Protection Agency (EPA) Tier 4 or Cleaner Engines	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.		
Air Quality/ Maintain Construction Equipment	Air Quality	Maintain Construction Equipment	42	- MMRP-AQ- CNST-C	Vol-1, ROD	Maintain Construction Equipment	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.		



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Air Quality/ Minimize Idling Times	Air Quality	Minimize Idling Times	43	- MMRP-AQ-CNST-D	-	Vol-1, ROD	Minimize Idling Times	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Use Equipment Meeting ARB Certification Standards	Air Quality	Use Equipment Meeting ARB Certification Standards	44	- MMRP-AQ-CNST-E	-	Vol-1, ROD	Use Equipment Meeting Air Resources Board (ARB) Certification Standards	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Ensure Heavy-Duty Diesel Trucks Will Comply with EPA Emissions Standards	Air Quality	Ensure Heavy-Duty Diesel Trucks Will Comply with EPA Emissions Standards	45	- MMRP-AQ-CNST-F	-	Vol-1, ROD	Ensure Diesel Trucks Comply with U.S. Environmental Protection Agency (EPA) Emissions Standards	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Air Quality/ Use Low-Sulfur Fuel	Air Quality	Use Low-Sulfur Fuel	46	- MMRP-AQ-CNST-G	-	Vol-1, ROD	Use Low-Sulfur Fuel	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Locate Construction Areas Away from Sensitive Receptors	Air Quality	Locate Construction Areas Away from Sensitive Receptors	47	- MMRP-AQ-CNST-H	-	Vol-1, ROD	Locate Construction Away from Sensitive Receptors	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	
Air Quality/ Use Low-Volatile Organic Compound (VOC) Coatings	Air Quality	Use Low-Volatile Organic Compound (VOC) Coatings	48	- MMRP-AQ-CNST-I	-	Vol-1, ROD	Use Low-Volatile Organic Compound (VOC) Coatings	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 57 00 Temporary Controls; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. For Q4 2022, construction has not commenced, therefore this measure will be implemented in future quarters.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Biological Resources and Wetlands/ Avoid Nesting Bird Season	Biological Resources and Wetlands	Avoid Nesting Bird Season	49	- MMRP-BIO-CNST-A	-	Vol-1, ROD	Avoid Nesting Bird Season	Program-wide		C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 35 71. Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. A total of 6 trees were removed in Q4 2022 to avoid nesting bird season.
Biological Resources and Wetlands/ Conduct Preconstruction/Predisturbance Surveys for Nesting Birds	Biological Resources and Wetlands	Conduct Preconstruction/Predisturbance Surveys for Nesting Birds	50	- MMRP-BIO-CNST-B	-	Vol-1, ROD	Conduct Preconstruction/Predisturbance Surveys for Nesting Birds	Program-wide	D	C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 35 71. Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. A total of 6 trees were removed in Q4 2022 to avoid nesting bird season, therefore no nesting bird surveys were required.
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Trees	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Trees	51	- MMRP-BIO-CNST-C-01	-	Vol-1, ROD	Conduct Preconstruction Surveys for Roosting Bats	Program-wide	D	C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 35 71. Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. A total of 6 trees were removed in Q4 2022 avoiding roosting bat season, therefore no bat surveys were required.
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Trees	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Trees	52	- MMRP-BIO-CNST-C-02	-	Vol-1, ROD	No Disturbance to Bat Roosting Trees Between April 1 and September 15	Program-wide	D	C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 35 71. Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. A total of 6 trees were removed in Q4 2022 to avoid roosting bat maternity period, therefore no preconstruction surveys were required.



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Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Trees	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Trees	53	- MMRP-BIO-CNST	C-03	Vol-1, ROD	Remove Bat Roosting Trees between September 15 and October 30	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 35 71. Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. A total of 6 trees were removed in Q4 2022 to avoid roosting bat torpor period, therefore no preconstruction surveys were required.	
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Trees	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Trees	54	- MMRP-BIO-CNST	C-04	Vol-1, ROD	Remove Trees in Pieces	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 35 71. Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. A total of 6 trees were removed in Q4 2022 in pieces in accordance with this mitigation measure.	
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Trees	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Trees	55	- MMRP-BIO-CNST	C-05	Vol-1, ROD	Ensure Maternity Roost is Undisturbed until September 15	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 35 71. Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. A total of 6 trees were removed in Q4 2022 to avoid roosting bat maternity period, and no maternity roosts were present.	



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Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Trees	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Trees	56	- MMRP-BIO-CNST	Vol-1, ROD	Biologists to Monitor Tree Removal	<p>Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures-Trees: If avoidance of non-maternity roost trees is not possible, and tree removal or trimming must occur between October 30 and August 31, qualified biologists will monitor tree trimming/removal of the habitat. If possible, tree trimming or removal should occur in the late afternoon or evening when it is closer to the time that bats would normally arouse. Prior to trimming or removal of trees providing suitable roosting habitat, the contractor will shake each tree gently and allow several minutes to pass before felling trees or removing limbs to allow bats time to arouse and leave the tree. Biologists should search downed vegetation for dead and injured bats. The contractor will report the presence of dead or injured bats that are species of special concern to CDFW. The biologist will prepare a biological monitoring report, which will be provided to VTA and CDFW.</p>	Program-wide	D	C		VTA/C	IC	<p>The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.</p> <p>A total of 6 non-maternity roost trees were removed in Q4 2022 in accordance with this mitigation measure.</p>	
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	57	- MMRP-BIO-CNST	Vol-1, ROD	Conduct Roosting Bat Surveys at Buildings	<p>Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures-Buildings: Prior to the building removal or demolition, qualified biologists will conduct daytime surveys to assess the building(s) for potential bat roosting habitat, and to look for bats and bat sign. Qualified biologists will have knowledge of the natural history of the species that could occur and sufficient experience determining bat occupancy in buildings and bat survey techniques. The biologists will examine both the inside and outside of the buildings for potential roosting habitat, as well as routes of entry to the buildings. The biologists will note and map on drawings of the buildings the locations of any roosting bats, signs of bat use, and entry and exit points. The biologists will also photograph roost sites as feasible. The habitat assessment surveys should be conducted as far in advance of demolition as possible to allow time for planning and coordinating with CDFW, should bats be found.</p> <p>Depending on the results of the habitat assessment, VTA and its representatives will take the following steps (MMRP-BIO-CNST-C-08 through C-18).</p>	Program-wide	D	C		VTA/C	IC	<p>The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.</p> <p>In Q4 2022, no building demolition occurred, so no surveys for roosting bats in buildings were conducted this quarter.</p>	
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	58	- MMRP-BIO-CNST	Vol-1, ROD	Conduct Roosting Bat Surveys Within 24 Hours of Building Demolition	<p>Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures-Buildings: If the building(s) can be adequately assessed (i.e., all areas of the building can be examined) and no habitat or limited habitat for roosting bats is present and no signs of bat use are present, qualified biologists will conduct a preconstruction survey of the interior and exterior of the building(s) within 24 hours of demolition. If bats are found roosting during the preconstruction survey, biologists will contact CDFW for direction on how to proceed.</p>	Program-wide	D	C		VTA/C	IC	<p>The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.</p> <p>In Q4 2022, no building demolition occurred, so this measure was not required. See MMRP-BIO-CNST-C-07.</p>	



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Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	59	- MMRP-BIO-CNST	C-09	Vol-1, ROD	Conduct Roosting Bat Surveys Within 24 Hours of Building Demolition	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, no building demolition occurred, so this measure was not required. See MMRP-BIO-CNST-C-07.	
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	60	- MMRP-BIO-CNST	C-10	Vol-1, ROD	Implement Roosting Bat Protective Measures	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, no building demolition occurred, so this measure was not required. See MMRP-BIO-CNST-C-07.	
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	61	- MMRP-BIO-CNST	C-11	Vol-1, ROD	Conduct Follow-Up Roosting Bat Surveys at Buildings	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, no building demolition occurred, so this measure was not required. See MMRP-BIO-CNST-C-07.	
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	62	- MMRP-BIO-CNST	C-12	Vol-1, ROD	Install Bat Roosting Exclusion Measures	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, no building demolition occurred, so this measure was not required. See MMRP-BIO-CNST-C-07.	



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Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	63	- MMRP-BIO-CNST	C-13	Vol-1, ROD	Conduct Roosting Bat Surveys Within 24 Hours of Building Demolition	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, no building demolition occurred, so this measure was not required. See MMRP-BIO-CNST-C-07.	
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	64	- MMRP-BIO-CNST	C-14	Vol-1, ROD	Implement Roosting Bat Protective Measures	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, no building demolition occurred, so this measure was not required. See MMRP-BIO-CNST-C-07.	
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	65	- MMRP-BIO-CNST	C-15	Vol-1, ROD	No Building Demolition While Bats Are Present	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, no building demolition occurred, so this measure was not required. See MMRP-BIO-CNST-C-07.	
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	66	- MMRP-BIO-CNST	C-16	Vol-1, ROD	Only Remove Roosting Building Habitat Prior to Hibernation	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, no building demolition occurred, so this measure was not required. See MMRP-BIO-CNST-C-07.	



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Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	67	- MMRP-BIO-CNST	Vol-1, ROD	Install Roosting Bat Exclusion Devices	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, no building demolition occurred, so this measure was not required. See MMRP-BIO-CNST-C-07.		
Biological Resources and Wetlands/ Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	Biological Resources and Wetlands	Conduct Preconstruction Surveys for Roosting Bat and Implement Protective Measures- Buildings	68	- MMRP-BIO-CNST	Vol-1, ROD	Provide Compensatory Mitigation for Roosting Bat Habitat	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, no building demolition occurred, so this measure was not required. See MMRP-BIO-CNST-C-07.		
Biological Resources and Wetlands/ Protect Riparian Habitat	Biological Resources and Wetlands	Protect Riparian Habitat	69	- MMRP-BIO-CNST-D	Vol-1, ROD	Protect Riparian Habitat Contractors will not use night lighting for construction activities and staging in the riparian area.	Guadalupe River ; Los Gatos creek		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements; Section 01 35 71 Biological Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, no construction occurred near Guadalupe River and Los Gatos Creek.		



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Biological Resources and Wetlands/ Conduct Preconstruction Tricolored Blackbird Nesting Surveys and Determine Appropriate Action	Biological Resources and Wetlands	Conduct Preconstruction Tricolored Blackbird Nesting Surveys and Determine Appropriate Action	70	- MMRP-BIO-CNST-E	Vol-1, ROD	Conduct Preconstruction Tricolored Blackbird Nesting Surveys	A qualified biologist will conduct a field investigation to identify and map potential nesting substrate. Nesting substrate generally includes flooded, thorny, or spiny vegetation (e.g., cattails, bulrushes, willows, blackberries, thistles, or nettles). If potential nesting substrate is found, VTA may revise the construction staging areas to avoid all areas within a 250-foot buffer around the potential nesting habitat, and biologists will conduct appropriate surveys. If VTA chooses not to avoid the potential nesting habitat and the 250-foot buffer, biologists will conduct additional nesting surveys.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A - See 2018 for Documentation	N/A
Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility)	71	- MMRP-BIO-CNST-F-01	Vol-1, ROD	Implement Burrowing Owl Measures	Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility): To avoid or minimize direct effects of construction activities on burrowing owls, VTA will implement the procedures described below (MMRP-BIO-CNST-F-02 to F-15). This mitigation measure incorporates survey, avoidance, and minimization guidelines taken directly from Condition 15 of the SCVHP (SCVHA 2012).	Newhall Maintenance Facility	D	C		VTA/C	IC	This is a summary mitigation measure; please refer to the following measures MMRP-BIO-CNST-F-02 to F-15 related to burrowing owls for the breeding and non-breeding season, respectively. Note that these measures only apply at the Newhall Maintenance Facility, which is the only area on the project with burrowing owl habitat.		
Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility)	72	- MMRP-BIO-CNST-F-02	Vol-1, ROD	Conduct Preconstruction Burrowing Owl Surveys	Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility): Prior to any ground disturbance related to BART Extension Alternative activities, a qualified biologist will conduct preconstruction surveys in all suitable habitat areas as identified by SCVHA. The purpose of the preconstruction surveys is to document the presence or absence of burrowing owls on the construction site, particularly in areas within 250 feet of construction activity. To maximize the likelihood of detecting owls, the preconstruction survey will last a minimum of 3 hours. The survey will begin 1 hour before sunrise and continue until 2 hours after sunrise (3 hours total) or begin 2 hours before sunset and continue until 1 hour after sunset. Additional time may be required at large construction sites. The biologist will conduct a minimum of two surveys (if owls are detected on the first survey, a second survey is not needed). The biologist will count all owls observed and map their location. Surveys will conclude no more than 2 calendar days prior to construction. Therefore, the project proponent must begin surveys no more than 4 days prior to construction (2 days of surveying plus up to 2 days between surveys and construction). To avoid last minute changes in schedule or contracting that may occur if burrowing owls are found, VTA may also conduct a preliminary survey up to 14 days before construction. This preliminary survey may count as the first of the two required surveys as long as the second survey concludes no more than 2 calendar days in advance of construction.	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, BUOW surveys were performed on October 12 and 17 prior to geotechnical investigations. No BUOW nor evidence of recent occupation at burrows was detected.		
Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility): Avoidance Measures: Breeding Season (February 1–August 31)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility): Avoidance Measures: Breeding Season (February 1–August 31)	73	- MMRP-BIO-CNST-F-03	Vol-1, ROD	Avoid Burrowing Owls During Breeding Season	Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility): Avoidance Measures: Breeding Season (February 1–August 31) - In order to allow covered activities to go forward in burrowing owl habitat, VTA will employ avoidance measures described below to ensure that direct take does not occur. If evidence of burrowing owls is found during the breeding season (February 1–August 31), VTA will avoid all nest sites that could be disturbed by construction during the remainder of the breeding season or while the nest is occupied by adults or young (occupation includes individuals or family groups foraging on or near the site following fledging). Avoidance will include establishment of a 250-foot non-disturbance buffer zone around nests. Construction may occur outside of the 250-foot non-disturbance buffer zone.	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because it was not breeding season.		



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Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility); Avoidance Measures: Breeding Season (February 1–August 31)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility); Avoidance Measures: Breeding Season (February 1–August 31)	74	- MMRP- BIO- CNST-	F- 04	Vol-1, ROD	Construction Inside 250-foot Owl Buffer	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because it was not breeding season.	
Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility); Avoidance Measures: Breeding Season (February 1–August 31)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility); Avoidance Measures: Breeding Season (February 1–August 31)	75	- MMRP- BIO- CNST-	F- 05	Vol-1, ROD	Owl Avoidance and Minimization Plan Approval	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because it was not breeding season.	
Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility); Avoidance Measures: Breeding Season (February 1–August 31)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility); Avoidance Measures: Breeding Season (February 1–August 31)	76	- MMRP- BIO- CNST-	F- 06	Vol-1, ROD	Determine Baseline Owl Behavior	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because it was not breeding season.	
Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility); Avoidance Measures: Breeding Season (February 1–August 31)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility); Avoidance Measures: Breeding Season (February 1–August 31)	77	- MMRP- BIO- CNST-	F- 07	Vol-1, ROD	Survey Owl Behavior During Construction	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because it was not breeding season.	



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Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility): Avoidance Measures: Breeding Season (February 1–August 31)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility): Avoidance Measures: Breeding Season (February 1–August 31)	78	- MMRP-BIO-CNST-F-08	Vol-1, ROD	Cease Construction if Owl Behavior Changes	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action-Avoidance Measures: Breeding Season (February 1–August 31) If there is any change in owl nesting and foraging behavior as a result of construction activities, these activities will cease within the 250-foot buffer. Construction cannot resume within the 250-foot buffer until the adults and juveniles from the occupied burrows have moved out of the construction area.	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because it was not breeding season.	
Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility): Avoidance Measures: Breeding Season (February 1–August 31)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys and Determine Appropriate Action (for Newhall Maintenance Facility): Avoidance Measures: Breeding Season (February 1–August 31)	79	- MMRP-BIO-CNST-F-09	Vol-1, ROD	Excavate Owl Burrow to Prevent Reoccupation	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Breeding Season (February 1–August 31) If monitoring indicates that the nest is abandoned prior to the end of the nesting season and the burrow is no longer in use by owls, the non-disturbance buffer zone may be removed. The biologist will excavate the burrow to prevent reoccupation after receiving approval from CDFW, USFWS, and SCVHA.	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because it was not breeding season.	
Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31)	80	- MMRP-BIO-CNST-F-10	Vol-1, ROD	Establish Buffers Around Occupied Burrows	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31) During the non-breeding season (September 1–January 31), VTA will establish a 250-foot non-disturbance buffer around occupied burrows as determined by a qualified biologist. Construction activities outside of this 250-foot buffer are allowed. Construction activities within the non-disturbance buffer are allowed if the following criteria (MMRP-BIO-CNST-F-11 through F-15) are met in order to prevent owls from abandoning important overwintering sites.	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because construction has not commenced.	
Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31)	81	- MMRP-BIO-CNST-F-11	Vol-1, ROD	Determine Baseline Owl Behavior	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31) A qualified biologist monitors the owls for at least 3 days prior to construction to determine baseline foraging behavior (i.e., behavior without construction).	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because construction has not commenced.	
Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31)	82	- MMRP-BIO-CNST-F-12	Vol-1, ROD	Survey Owl Behavior During Construction	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31) The same qualified biologist monitors the owls during construction and finds no change in owl foraging behavior in response to construction activities. Monitoring must continue as described here for the non-breeding season as long as the burrow remains active.	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because construction has not commenced.	



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Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31)	83	- MMRP- BIO- CNST- F- 13	Vol-1, ROD	Cease Construction if Owl Behavior Changes	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non- Breeding Season (September 1–January 31) If there is any change in owl nesting and foraging behavior as a result of construction activities, these activities will cease within the 250-foot buffer.	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because construction has not commenced.	
Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31)	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31)	84	- MMRP- BIO- CNST- F- 14	Vol-1, ROD	Excavate Owl Burrow to Prevent Reoccupation	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non- Breeding Season (September 1–January 31) If the owls are gone for at least 1 week, VTA may request approval from CDFW, USFWS, and SCVHA for a qualified biologist to excavate usable burrows to prevent owls from re-occupying the site. After all usable burrows are excavated, the buffer zone will be removed and construction may continue. Monitoring must continue as described above for the non-breeding season as long as the burrow remains active.	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because construction has not commenced.	
Biological Resources and Wetlands/ Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31) Construction Monitoring	Biological Resources and Wetlands	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non-Breeding Season (September 1–January 31)	85	- MMRP- BIO- CNST- F- 15	Vol-1, ROD	Maintain Non-Disturbance Owl Buffer Zones	Conduct Preconstruction Burrowing Owl Surveys at Newhall Maintenance Facility and Determine Appropriate Action- Avoidance Measures: Non- Breeding Season (September 1–January 31) Construction Monitoring Based on the avoidance, minimization, and monitoring plan developed (as required above), during construction, VTA will establish and maintain the non-disturbance buffer zones if applicable. A qualified biologist will monitor the site consistent with the requirements described above to ensure that buffers are enforced and owls are not disturbed. The biological monitor will also conduct training of construction personnel on the avoidance procedures, buffer zones, and protocols in the event that a burrowing owl flies into an active construction zone.	Newhall Maintenance Facility	D	C		VTA/C	IC	In Q4 2022, this measure did not apply because construction has not commenced.	



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Cultural Resources/ Implement Programmatic Agreement and Archaeological Resources Treatment Plan	Cultural Resources	Implement Programmatic Agreement and Archaeological Resources Treatment Plan	86	- MMRP-CUL-CNST-A	-	Vol-1, ROD	Implement Programmatic Agreement (PA) and Archaeological Resources Treatment Plan (ARTP) The ARTP specifies the National Register of Historic Places criteria applicable for evaluation, procedures to implement the Section 106 process in the field, and standards of evaluation that will be appropriate given the locations and kinds of cultural properties predicted. The ARTP presents methods that combine pre-testing where possible (i.e., on open lots or undeveloped lands); testing after demolition of extant structures but before new ground-disturbing construction begins; construction-phase monitoring where appropriate; and standards for data recovery. Areas within the Area of Potential Effects (APE) where potential resources have been identified, or that are designated as highly sensitive for buried resources, will be field investigated, concentrating on, but not confined to, the area of direct effect. The ARTP meets The Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation (U.S. Department of the Interior, National Park Service, 1983, as amended and annotated).	Program-wide	D	C		VTA	IC	VTA is implementing the Archaeological Resources Treatment Plan (ARTP). Results will be reported to all Consulting Parties (CPs) to the Programmatic Agreement (PA) Annual Report. In Q4 2022, VTA prepared 2022 Annual Programmatic Agreement Report and submitted to FTA. Planning for archaeological investigations was ongoing.	
Geology, Soils, and Seismicity/ Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	Geology, Soils, and Seismicity	Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	87	- MMRP-GEO-CNST-A-01	A-01	Vol-1, ROD	Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards: If BART Extension stations, system facilities, or portions of the alignment are determined to be in areas exceeding pertinent codes and standards including the California Building Code and BART Facilities Standards Design Criteria for liquefaction, VTA will implement the following methods (MMRP-GEO-CNST-A-01 through A-06) during construction to minimize the potential impacts. VTA will determine the exact methods to reduce impacts from liquefaction during final engineering.	Program-wide	D	C	P	VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 2 Design Criteria Manual (DCM) Section 11.6 Geotechnical; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.	
Geology, Soils, and Seismicity/ Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	Geology, Soils, and Seismicity	Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	88	- MMRP-GEO-CNST-A-02	A-02	Vol-1, ROD	Use Pile Foundations as a Means of Ground Densification Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards: • VTA may use pile foundations or equivalent measures as a means of ground densification as a cost-effective mitigation measure for the seismic liquefaction hazard. (Also see MMRP-GEO-CNST-A-06).	Program-wide	D	C	P	VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 2 Design Criteria Manual (DCM) Section 11.6 Geotechnical; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Geology, Soils, and Seismicity/ Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	Geology, Soils, and Seismicity	Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	89	- MMRP- GEO- CNST-	A-03	Vol-1, ROD	Support Parking Garages on Piles	Program-wide	D	C	P	VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 2 Design Criteria Manual (DCM) Section 11.1 Geotechnical; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Geology, Soils, and Seismicity/ Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	Geology, Soils, and Seismicity	Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	90	- MMRP- GEO- CNST-	A-04	Vol-1, ROD	Integrate Subgrade Improvements for Shallow Foundations	Program-wide	D	C	P	VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 2 Design Criteria Manual (DCM) Sections 11.6 Geotechnical and 11.15 Seismic Design; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Geology, Soils, and Seismicity/ Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	Geology, Soils, and Seismicity	Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	91	- MMRP- GEO- CNST-	A-05	Vol-1, ROD	Mitigate Liquefaction-Related Uplift of Underground Facilities	Program-wide	D	C	P	VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 2 Design Criteria Manual (DCM) Section 11.9 Tunnels & Underground Structures; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	



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Geology, Soils, and Seismicity/ Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	Geology, Soils, and Seismicity	Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	92	- MMRP-GEO-CNST-A-06	Vol-1, ROD	Consider Other Liquefaction Hazard Mitigation Measures	Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards: Other liquefaction hazard mitigation measures used in previous BART projects that may be considered for the BART Extension are as follows. o In-situ treatment/densification with vibro-replacement stone columns. o Load transfer to underlying bearing layers, which are non-liquefiable with soil/cement columns. o Over-excavation and replacement of liquefaction prone soils with compacted engineered fill.	Program-wide	D	C	P	VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 2 Design Criteria Manual (DCM) Sections 11.6 Geotechnical and 11.15 Seismic Design; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Geology, Soils, and Seismicity/ Implement Preconstruction and Post-construction Building Condition Surveys for Settlement	Geology, Soils, and Seismicity	Implement Preconstruction and Post-construction Building Condition Surveys for Settlement	93	- MMRP-GEO-CNST-B-01	Vol-1, ROD	Conduct Preconstruction Building Condition Surveys For the cut-and-cover activities, surveys will be performed prior to any construction in the cut-and-cover work area to establish the baseline building condition. For construction of the tunnel via Tunnel Boring Machine (TBM), surveys will be performed as close to the planned dates of tunneling as possible so that the results are as current as possible. Therefore, surveys will be performed prior to passage of the TBMs, with some surveys conducted once tunneling has commenced.	Implement Preconstruction and Post-construction Building Condition Surveys for Settlement: VTA will conduct preconstruction building condition surveys of the interiors and exteriors of select structures, both historic and non-historic buildings, within the settlement trough along the tunnel alignment and within the limit of influence around the cut-and-cover excavations to assess the baseline condition of each property that could be affected by project-induced settlement. These surveys will include written and photographic (video and still) records, including written descriptions and photos of any cracks. VTA will also conduct post-construction building condition surveys of the same structures. VTA will compare the results of these surveys with the preconstruction condition surveys so that any construction-related effects of tunneling and cut-and-cover construction on structures can be assessed.	Program-wide	D	C	P	VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 71 24 Pre- and Post- Construction Surveys and Vol 4 Property Protection Plan; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4, VTA performed surveys at five historic properties.	
Geology, Soils, and Seismicity/ Implement Preconstruction and Post-construction Building Condition Surveys for Settlement- Historic Buildings	Geology, Soils, and Seismicity	Implement Preconstruction and Post-construction Building Condition Surveys for Settlement- Historic Buildings	94	- MMRP-GEO-CNST-B-02	Vol-1, ROD	Prepare Condition Assessment Reports for Historic Buildings For historic structures, surveys prior to either cut-and-cover or tunneling will be performed enough in advance of the construction to allow adequate time for any necessary ground treatment that may be required to reduce settlement to be performed.	Implement Preconstruction and Post-construction Building Condition Surveys for Settlement- Historic Buildings: For historic structures, the Condition Assessment Report, in accordance with Section 106, will be prepared along with the preconstruction building condition surveys. Results will be used by a structural engineer in coordination with the historic Qualified Professional (QP) to identify structural settlement thresholds for each historic structure prior to construction. If anticipated maximum settlement due to tunneling or cut-and-cover activities would cause more than cosmetic damage, then ground treatment technologies outlined in Section 5.3.1.4, Ground Treatment, will be employed to further reduce settlement to within building-specific structural settlement thresholds. In the event of inadvertent, construction-related damage to historic buildings, repairs will be conducted in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties and consistent with 36 CFR 800.13(b). VTA and the historic QP will implement these repairs in consultation with FTA and SHPO.	Program-wide	D	C	P	VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 35 75 Cultural Resources; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4, commenced preparation of Condition Assessment Reports for five historic properties.	



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Geology, Soils, and Seismicity/ Monitor Ground Surface during Tunneling Activities	Geology, Soils, and Seismicity	Monitor Ground Surface during Tunneling Activities	95	- MMRP- GEO- CNST-C	-	Vol-1, ROD	Monitor Ground Surface During Tunneling Activities The contractor will conduct ground surface monitoring prior to and after tunneling by licensed land surveyors. The contractor will mount survey monitoring points on potentially affected structures and representative historic buildings, including the most susceptible structures, select utilities susceptible to settlement, and in representative locations immediately adjacent to streams within the settlement trough along the tunnel alignment to monitor ground movements and effects of tunnel boring. The contractor must obtain approval from VTA and the historic QP to install any monitoring devices or crack gauges on or in historic buildings that require alteration of the building. The contractor will provide settlement monitoring data to VTA immediately upon completion of the field survey and use the data to assist in minimizing adverse effects along the tunnel alignment.	Program-wide	D	C		VTA/C	IC	The relevant contract packages and current design status is as follows: CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under CP2 Conformed set under Vol 4 Property Protection Plan; limited Notice to Proceed 1 issued 6/09/22. In Q4 2022, this measure did not apply because construction has not commenced.	
Geology, Soils, and Seismicity/ Monitor Settlement Effects around Cut-and-Cover Excavations	Geology, Soils, and Seismicity	Monitor Settlement Effects around Cut-and-Cover Excavations	96	- MMRP- GEO- CNST-D	-	Vol-1, ROD	Monitor Settlement Effects around Cut-and-Cover Excavation For the cut and cover activities, the contractor will perform building and ground surface monitoring prior to, during, and after construction to survey the effects of cut-and-cover activities on structures, historic buildings, and utilities. The contractor will mount survey monitoring points on all potentially affected structures and historic buildings, including the most susceptible structures, select utilities susceptible to settlement, and in representative locations within the limit of influence around the cut-and-cover excavations to monitor any effects of settlement. The contractor must obtain approval from VTA and the historic QP to install any monitoring devices or crack gauges on or in historic buildings that require alteration of the building. Survey monitoring points will be field surveyed by licensed land surveyors at a frequency determined by the preconstruction building survey or Condition Assessment Report (for historic buildings). The contractor will provide settlement field survey monitoring data to VTA immediately upon completion of the field survey. The data will be used to direct real-time modifications to shoring and ground treatment practices and procedures as appropriate to minimize adverse effects within the limit of influence around the cut-and-cover excavations.	Program-wide	D	C		VTA/C	IC	The relevant contract packages and current design status is as follows: CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 4 Property Protection Plan; limited Notice to Proceed 1 issued 6/09/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Geology, Soils, and Seismicity/ Implement Preconstruction Condition Surveys for Utilities	Geology, Soils, and Seismicity	Implement Preconstruction Condition Surveys for Utilities	97	- MMRP- GEO- CNST-E	-	Vol-1, ROD	Implement Preconstruction Condition Surveys for Utilities The contractor will conduct preconstruction condition surveys of utilities deemed to be potentially at risk due to surface settlement or ground movement at BART Extension and TOJD sites. The contractor will monitor major utilities deemed to be at risk during construction and will coordinate with utility providers prior to installation of utility monitoring points.	Program-wide	D	C		VTA/C	IC	The relevant contract packages and current design status is as follows: CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Sections 01 31 31 Utility Coordination and 01 71 24 Pre- and Post-construction Surveys; limited Notice to Proceed 1 issued 6/09/22. CP-3 issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.	



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Geology, Soils, and Seismicity/ Minimize Excavation Bottom Failure Impacts	Geology, Soils, and Seismicity	Minimize Excavation Bottom Failure Impacts	98	- MMRP- GEO- CNST-F	-	Vol-1, ROD	Minimize Excavation Bottom Failure Impacts	Program-wide	D	C	P	VTA/C	IC	The relevant contract packages and current design status is as follows: CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 74 25 Contaminant Management and Vol 2 Design Criteria Manual (DCM) Sections 11.6 Geotechnical and 11.15 Seismic Design; limited Notice to Proceed 1 issued 6/09/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Geology, Soils, and Seismicity/ Minimize Disturbance of Sensitive Deposits at the Excavation Subgrade	Geology, Soils, and Seismicity	Minimize Disturbance of Sensitive Deposits at the Excavation Subgrade	99	- MMRP- GEO- CNST-G	-	Vol-1, ROD	Minimize Disturbance of Sensitive Deposits at the Excavation Subgrade	Program-wide		C		VTA/C	IC	The relevant contract packages and current design status is as follows: CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 74 25 Contaminant Management and Vol 2 Design Criteria Manual (DCM) Sections 11.6 Geotechnical and 11.15 Seismic Design and Vol 4, Technical Requirements, Section 14 Ground Control; limited Notice to Proceed 1 issued 6/09/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Geology, Soils, and Seismicity/ Incorporate Design Specifications to Minimize Effects from Expansive Soils	Geology, Soils, and Seismicity	Incorporate Design Specifications to Minimize Effects from Expansive Soils	100	- MMRP- GEO- CNST-H	-	Vol-1, ROD	Incorporate Design Specifications to Minimize Effects from Expansive Soils	Program-wide	D	C		VTA/C	IC	The relevant contract packages and current design status is as follows: CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 74 25 Contaminant Management, Vol 2 Design Criteria Manual (DCM) Sections 11.6 Geotechnical and 11.15 Seismic Design and Vol 4, Technical Requirements, Section 14 Ground Control; limited Notice to Proceed 1 issued 6/09/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	



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Geology, Soils, and Seismicity/ Stop Construction if Paleontological Resources are Discovered and Determine Appropriate Action	Geology, Soils, and Seismicity	Stop Construction if Paleontological Resources are Discovered and Determine Appropriate Action	101	- MMRP- GEO- CNST-1	-	Vol-1, ROD	Stop Construction if Paleontological Resources are Discovered	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Sections 01 35 70 Environmental Requirements and 01 35 75 Cultural Resources Requirements; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because no grading or site preparation occurred.	
Greenhouse Gas Emissions/ Implement Energy Efficiency Measures (for TOJD)	Greenhouse Gas Emissions	Implement Energy Efficiency Measures (TOJD)	102	- MMRP- GHG-A	-	Vol-1, ROD	Implement Energy Efficiency Measures (TOJD)	TOJD		C		VTA/C	IC	TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	
Greenhouse Gas Emissions/ Participate in Food Waste Programs (for TOJD)	Greenhouse Gas Emissions	Participate in Food Waste Programs (TOJD)	103	- MMRP- GHG-B	-	Vol-1, ROD	Participate in Food Waste Programs (TOJD)	TOJD			P	VTA/C	IC	TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	
Greenhouse Gas Emissions/ Utilize Electrical Landscaping Equipment (for TOJD)	Greenhouse Gas Emissions	Utilize Electrical Landscaping Equipment (TOJD)	104	- MMRP- GHG-C	-	Vol-1, ROD	Utilize Electrical Landscaping Equipment (TOJD)	TOJD	D			VTA/C	IC	TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	
Greenhouse Gas Emissions/ Provide Preferential Parking for Electric Vehicles (for TOJD)	Greenhouse Gas Emissions	Provide Preferential Parking for Electric Vehicles (TOJD)	105	- MMRP- GHG-D	D-01	Vol-1, ROD	Provide Preferential Parking for Electric Vehicles (TOJD)	TOJD	D			VTA/C	IC	TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	
Greenhouse Gas Emissions/ Provide Preferential Parking for Electric Vehicles-TOJD Residential Use	Greenhouse Gas Emissions	Provide Preferential Parking for Electric Vehicles (TOJD Residential)	106	- MMRP- GHG-D	D-02	Vol-1, ROD	Provide Preferential Parking for Electric Vehicles (TOJD Residential)	TOJD	D			VTA/C	IC	TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	
Greenhouse Gas Emissions/ Provide Preferential Parking for Electric Vehicles-TOJD Commercial Use	Greenhouse Gas Emissions	Provide Preferential Parking for Electric Vehicles (TOJD Commercial)	107	- MMRP- GHG-D	D-03	Vol-1, ROD	Provide Preferential Parking for Electric Vehicles (TOJD Commercial)	TOJD	D			VTA/C	IC	TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	



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Hazardous Materials/ Prepare Remedial Action Plans	Hazardous Materials	Prepare Remedial Action Plans	108	MMRP-HAZ-CNST-A	-	Vol-1, ROD	Prepare Remedial Action Plans	Project wide	D				IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 74 25 (Contaminant Management); limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.	
Noise and Vibration/ Incorporate FTA Criteria Compliant Construction Noise and Vibration Specifications	Noise and Vibration	Incorporate FTA Criteria Compliant Construction Noise and Vibration Specifications	109	MMRP-NV-CNST-A	-	Vol-1, ROD	Incorporate FTA Criteria Compliant Construction Noise and Vibration Specifications	Project wide	D	C			IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.	
Noise and Vibration/ Locate Equipment as Far as Feasible from Sensitive Sites	Noise and Vibration	Locate Equipment as Far as Feasible from Sensitive Sites	110	MMRP-NV-CNST-B	-	Vol-1, ROD	Locate Equipment as Far as Feasible from Sensitive Sites	Project wide		C			IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Noise and Vibration /Construct Temporary Noise Barriers	Noise and Vibration	Construct Temporary Noise Barriers	111	- MMRP-NV- CNST-C	-	Vol-1, ROD	Construct Temporary Noise Barriers	Project wide; 28TH Street/Little Portugal (Alum Rock)	D	C			IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Noise and Vibration/ Operate Equipment to Minimize Annoying Noise and Vibration	Noise and Vibration	Operate Equipment to Minimize Annoying Noise and Vibration	112	- MMRP-NV- CNST-D	-	Vol-1, ROD	Operate Equipment to Minimize Annoying Noise and Vibration <ul style="list-style-type: none"> Operate Equipment to Minimize Annoying Noise and Vibration: Contractors will implement the following measures: <ul style="list-style-type: none"> Use electric instead of diesel-powered equipment, hydraulic tools instead of pneumatic impact tools, and electric instead of air- or gasoline-driven saws, where feasible. Use an augering drill-rig for setting piles in lieu of impact pile drivers, where feasible. Operate equipment so as to minimize banging, clattering, buzzing, and other annoying types of noises, especially near residential areas during nighttime hours. Turn off idling equipment, whenever possible. Line haul truck beds with rubber or sand to reduce noise, if needed and requested by VTA. Line or cover hoppers, conveyor transfer points, storage bins, and chutes with sound-deadening material. During nighttime and weekends, use strobe warning lights and/or back-up observers during any back-up operations, where permitted by the local jurisdiction. 	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Noise and Vibration/ Route Construction Trucks along Truck Routes Least Disturbing to Residents	Noise and Vibration	Route Construction Trucks along Truck Routes Least Disturbing to Residents	113	- MMRP-NV- CNST-E	-	Vol-1, ROD	Route Construction Trucks along Truck Routes Least Disturbing to Residents Route Construction Trucks along Truck Routes Least Disturbing to Residents: The contractor will route construction-related truck traffic along truck routes and roadways that would cause the least disturbance to residents. The contractor will lay out loading and unloading zones to minimize truck idling near sensitive receptors and to minimize truck reversing so back-up alarms are minimized near residences.	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Sections 01 55 27 Maintenance of Traffic and Access, and 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Noise and Vibration/ Secure Steel and Concrete Plates over Excavated Holes and Trenches	Noise and Vibration	Secure Steel and Concrete Plates over Excavated Holes and Trenches	114	- MMRP-NV-CNST-F	-	Vol-1, ROD	Secure Steel and Concrete Plates over Excavated Holes and Trenches	Program-wide	C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Noise and Vibration/ Use Best Available Practices to Reduce Noise and Vibration	Noise and Vibration	Use Best Available Practices to Reduce Noise and Vibration	115	- MMRP-NV-CNST-G	-	Vol-1, ROD	Use Best Available Practices to Reduce Noise and Vibration	Program-wide	C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Noise and Vibration/ Adhere to Local Jurisdiction Construction Time Periods, to the Extent Feasible	Noise and Vibration	Adhere to Local Jurisdiction Construction Time Periods, to the Extent Feasible	116	- MMRP-NV-CNST-H	-	Vol-1, ROD	Adhere to Local Jurisdiction Construction Time Periods	Program-wide	C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.	
Noise and Vibration/ Perform Preconstruction Ambient Noise Measurements at All CSAs	Noise and Vibration	Perform Preconstruction Ambient Noise Measurements at All CSAs	117	- MMRP-NV-CNST-I	-	Vol-1, ROD	Perform Preconstruction Ambient Noise Measurements at Construction Staging Areas (CSA)	Program-wide	D			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Noise and Vibration/ Implement a Construction Noise Control and Monitoring Plan	Noise and Vibration	Implement a Construction Noise Control and Monitoring Plan	118	- MMRP-NV- CNST-J	-	Vol-1, ROD	Implement a Construction Noise Control and Monitoring Plan	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Noise and Vibration/ Require Minimum Qualifications for the Acoustical Engineer	Noise and Vibration	Require Minimum Qualifications for the Acoustical Engineer	119	- MMRP-NV- CNST-K	-	Vol-1, ROD	Require Minimum Qualifications for the Acoustical Engineer	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, the CP-2 contractor submitted the qualifications of an Acoustical Engineer in accordance with this measure.	
Noise and Vibration/ Prohibit Operation of Noise-Generating Equipment Prior to Acceptance of Noise Control and Monitoring Plan	Noise and Vibration	Prohibit Operation of Noise-Generating Equipment Prior to Acceptance of Noise Control and Monitoring Plan	120	- MMRP-NV- CNST-L	-	Vol-1, ROD	Prohibit Operation of Noise-Generating Equipment Prior to Acceptance of Noise Plan	Program-wide		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, the CP-2 Noise Control and Monitoring Plan was being drafted by the contractor.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Noise and Vibration/ Install Long-Term Noise Monitors at CSAs during all Construction Phases	Noise and Vibration	Install Long-Term Noise Monitors at CSAs during all Construction Phases	121	- MMRP- NV- CNST-	M-01	Vol-1, ROD	Install Stationary Long-Term Noise Monitors at Construction Staging Areas (CSA)	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022 the CP-2 Noise Control and Monitoring Plan including the location of long-term noise monitors was being drafted by the contractor.	
Noise and Vibration/ Install Long-Term Noise Monitors at CSAs during all Construction Phases	Noise and Vibration	Install Long-Term Noise Monitors at CSAs during all Construction Phases	122	- MMRP- NV- CNST-	M-02	Vol-1, ROD	Conduct Weekly Noise Sampling with Hand-Held Monitors	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022 the CP-2 Noise Control and Monitoring Plan including the location of long-term noise monitors was being drafted by the contractor.	
Noise and Vibration/ Ensure Equipment is Pre-certified to Meet Noise Limits	Noise and Vibration	Ensure Equipment is Pre-certified to Meet Noise Limits	123	- MMRP- NV- CNST-N		Vol-1, ROD	Ensure Equipment is Pre-certified to Meet Noise Limits	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Noise and Vibration/ Implement a Complaint Resolution Procedure	Noise and Vibration	Implement a Complaint Resolution Procedure	124	- MMRP-NV-CNST-O	-	Vol-1, ROD	Implement a Noise and Vibration Complaint Resolution Procedure	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 35 95 Public Information and Community Relations; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Noise and Vibration/ Implement a Construction Vibration Control and Monitoring Plan	Noise and Vibration	Implement a Construction Vibration Control and Monitoring Plan	125	- MMRP-NV-CNST-P-01	-	Vol-1, ROD	Prepare a Construction Vibration Control and Monitoring Plan The Construction Vibration Control and Monitoring Plan will also outline the monitoring equipment and procedures the contractor will use to perform vibration measurements for vibration-sensitive receptors in the vicinity of construction operations, including details regarding the vibration measurement locations, frequency, and duration of measurements at each location. The plan will outline the protocol for monitoring existing cracks in buildings over time, to determine any construction-related impacts. At a minimum, crack gauges will be installed on existing cracks prior to construction, and monitoring of the gauges will be performed continuously over the course of construction to assess whether new construction-related damage has occurred. The contractor must obtain approval from VTA and the QP to install any crack gauges on or in historic buildings that require alteration of the building.	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022 the CP-2 Noise Control and Monitoring Plan was being drafted by the contractor.	
Noise and Vibration/ Implement a Construction Vibration Control and Monitoring Plan	Noise and Vibration	Implement a Construction Vibration Control and Monitoring Plan	126	- MMRP-NV-CNST-P-02	-	Vol-1, ROD	Halt Construction if Levels Exceed Allowable Vibration Limits The contractor will initially conduct vibration monitoring daily at the nearest affected buildings during any construction activities that could induce vibration impacts, typically within 100 feet of any building. Vibration will also be monitored where vibration is expected to approach the applicable limit based on the building type and condition, as determined by VTA in coordination with the structural engineer for non-historic buildings, and VTA and the historic QP for historic buildings. Monitoring of utilities that are sensitive to vibration will be coordinated with the utility companies and performed for the nearest affected vibration-sensitive utilities during any construction activities that could induce vibration impacts.	Program-wide	D	C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced, and the CP-2 Noise Control and Monitoring Plan was being drafted by the contractor.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Noise and Vibration/ Implement a Construction Vibration Control and Monitoring Plan	Noise and Vibration	Implement a Construction Vibration Control and Monitoring Plan	127	MMRP-NV-CNST-P-03	Vol-1, ROD	<p>Do Not Exceed the FTA Construction Vibration Damage Criteria</p> <p>For historic buildings, the vibration threshold will likely be between 0.12 to 0.2 PPV (inches/second) depending on the buildings' condition. The results of the preconstruction surveys and building Conditions Assessment Report as outlined in Mitigation Measure NV-CNST-R will be utilized to confirm the structure types and determine which vibration thresholds apply in consultation with a qualified structural engineer and the historic QP.</p> <p>For utilities, vibration thresholds will follow industry standards in coordination with utility companies, and typically adhere to a 0.5 PPV (inches/second) threshold.</p>	Program-wide	D	C		VTA/C	IC	<p>The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.</p> <p>In Q4 2022, this measure did not apply because construction has not commenced, and the CP-2 Noise Control and Monitoring Plan was being drafted by the contractor.</p>		
Noise and Vibration/ Implement a Construction Vibration Control and Monitoring Plan	Noise and Vibration	Implement a Construction Vibration Control and Monitoring Plan	128	MMRP-NV-CNST-P-04	Vol-1, ROD	<p>Measure Building Vibration In Vertical Direction and Utilities In Accordance with Meter Instructions</p> <p>For non-historic structures, if construction vibration exceeds the structural or nuisance threshold, the contractor must stop construction and adjust construction methods to meet appropriate vibration limits so that the threshold is not exceeded again.</p>	Program-wide	D	C		VTA/C	IC	<p>The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.</p> <p>In Q4 2022, this measure did not apply because construction has not commenced, and the CP-2 Noise Control and Monitoring Plan was being drafted by the contractor.</p>		
Noise and Vibration/ Implement a Construction Vibration Control and Monitoring Plan- Historic structures	Noise and Vibration	Implement a Construction Vibration Control and Monitoring Plan- Historic structures	129	MMRP-NV-CNST-P-05	Vol-1, ROD	<p>Notify Qualified Professional (QP) if Historic Building Construction Vibration Approaches Threshold</p> <p>For historic structures, if construction vibration approaches the structural damage threshold, the historic QP will be notified immediately, in real time. If construction vibration exceeds the structural damage threshold, Contractor must notify the historic QP and VTA immediately, in real time, and stop all vibration-inducing construction work immediately to adjust methods. The contractor will adjust work methods and techniques to meet appropriate vibration limits so that the threshold is not exceeded again before work is restarted.</p> <p>In the event of inadvertent, construction-related damage to historic buildings, repairs will be conducted in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties and consistent with 36 CFR 800.13(b). VTA and the historic QP will implement these repairs in consultation with FTA and SHPO.</p>	Program-wide	D	C		VTA/C	IC	<p>The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Sections 01 35 75 Cultural Resources Requirements and 01 81 20 Noise and Vibration Control, and Vol 4 Property Protection; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.</p> <p>In Q4 2022, this measure did not apply because construction has not commenced, and the CP-2 Noise Control and Monitoring Plan was being drafted by the contractor.</p>		



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status			
Noise and Vibration/ Perform Vertical Direction Vibration Monitoring	Noise and Vibration	Perform Vertical Direction Vibration Monitoring	130	MMRP-NV-CNST-Q	Vol-1, ROD	Perform Vertical Direction Vibration Monitoring	Perform Vertical Direction Vibration Monitoring: The contractor will perform continuous vertical direction vibration (root mean square) monitoring on the ground at the nearest representative residential structure during muck extraction and supply train operations in the tunnels. These measurements will be repeated for a minimum of 1 week at approximately 1-mile intervals along the tunnel construction until it is demonstrated that the levels are below the FTA thresholds.	Program-wide		C			VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Sections 01 35 75 Cultural Resources Requirements and 01 81 20 Noise and Vibration Control, and Vol 4 Property Protection; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced, and the CP-2 Noise Control and Monitoring Plan was being drafted by the contractor.	
Noise and Vibration/ Implement Preconstruction and Post-Construction Building Condition Surveys for Vibration	Noise and Vibration	Implement Preconstruction and Post-Construction Building Condition Surveys for Vibration	131	MMRP-NV-CNST-R-01	Vol-1, ROD	Implement Preconstruction and Post-Construction Building Condition Surveys for Vibration	Implement Preconstruction and Post-Construction Building Condition Surveys for Vibration: Prior to construction or release of the TBM and cut-and-cover construction contract(s), the contractor will survey all structures that may be potentially impacted by construction vibration and submit the results to VTA for approval. Preconstruction building condition surveys of the interiors and exteriors of these structures will be conducted by independent surveyors to assess the baseline condition of each property that could be affected by construction vibration. The surveys will include written and photographic (video and still) records, including written descriptions and photos of any cracks.	Program-wide	D	C	P		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 71 24 Pre- and Post-construction Surveys; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, VTA began requesting access permission to enter to perform surveys.	
Noise and Vibration/ Implement Preconstruction and Post-Construction Building Condition Surveys for Vibration- Historic Buildings	Noise and Vibration	Implement Preconstruction and Post-Construction Building Condition Surveys for Vibration- Historic Buildings	132	MMRP-NV-CNST-R-02	Vol-1, ROD	Prepare Condition Assessment Reports for Historic Buildings	Implement Preconstruction and Post-Construction Building Condition Surveys for Vibration-Historic Buildings: For historic structures, the Condition Assessment Report in accordance with Section 106 will be prepared along with the preconstruction building condition surveys. The surveys will be performed prior to any vibration-inducing construction to establish baseline building conditions. The results of the preconstruction surveys will be utilized to establish the structure types and determine which vibration thresholds apply in consultation with a qualified structural engineer and a qualified architectural historian or a historic architect, as outlined in Mitigation Measure NV-CNST-P. Surveys will be conducted in all historic buildings or structures where vibration is expected to approach the applicable limit, and in non-historic structures based on the building type and condition. VTA will determine the list of historic structures that may be affected by the project in consultation with a qualified structural engineer and the historic QP. Vibration will be monitored as required in Mitigation Measure NV-CNST-P to avoid adverse effects on properties during construction activities. The post-construction survey results will be compared with preconstruction condition surveys so that any construction vibration effects on structures can be assessed. For historic structures, a Condition Assessment Report in accordance with Section 106, will be conducted after construction is complete. In the event of inadvertent, construction-related damage to historic buildings, repairs will be conducted in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties and consistent with 36 CFR 800.13(b). VTA and the historic QP will implement these repairs in consultation with FTA and SHPO.	Program-wide	D	C	P		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 71 24 Pre- and Post-construction Surveys; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, VTA initiated preparation of new CARs for historic properties.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Noise and Vibration/ Implement Measures to Reduce Vibration from Muck Extraction and Supply Trains	Noise and Vibration	Implement Measures to Reduce Vibration from Muck Extraction and Supply Trains	133	- MMRP-NV- CNST-5	-	Vol-1, ROD	Implement Measures to Reduce Vibration from Muck Extraction and Supply Trains	Tunnel Alignment		C			IC	The relevant contract packages and current design status is as follows: CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Section 01 81 20 Noise and Vibration Control; limited Notice to Proceed 1 issued 6/09/22. In Q4 2022, this measure was not implemented because construction, including muck extraction, has not yet commenced.	
Noise and Vibration/ Implement Noise Reduction Treatments at Ancillary Facilities	Noise and Vibration	Implement Noise Reduction Treatments at Ancillary Facilities	134	- MMRP-NV-A	-	Vol-1, ROD	Implement Noise Reduction Treatments at Ancillary Facilities <ul style="list-style-type: none"> • Sound attenuators and acoustical absorptive treatments in ventilation shafts and facilities. • Sound attenuators for the tunnel emergency ventilation fans. • Perimeter noise walls (nominally an 8-foot-high wall) placed around emergency generators. 	Systems (Ventilation Structures, Traction Power Substations, Emergency Backup Generators)		C		VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 2 Design Criteria Manual (DCM), Section 7.5 Trackway; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	
Noise and Vibration/ Reduce Groundborne Noise Levels	Noise and Vibration	Reduce Groundborne Noise Levels	135	- MMRP-NV-B	-	Vol-1, ROD	Reduce Groundborne Noise Levels Reduce Groundborne Noise Levels: The contractor will implement an Isolated Slab Track (IST) as the mitigation strategy for groundborne noise. An IST is a form of floating slab track (FST). The IST system is constructed with a continuous elastomeric mat instead of discrete elastomeric pads that are typically used for an FST system. An IST can be designed to provide from 10 to 13 dBA of noise reduction. This strategy can also be used under a crossover. The locations for implementing this measure are shown in Tables 4.12-21 through 4.12-25 (summarized in DRBMP-NV-A). The project's final design will determine the specific mitigation strategy, which could include alternative strategies that similarly achieve the FTA groundborne noise criteria.	Tunnel Alignment		C		VTA/C	IC	The relevant contract packages and current design status is as follows: CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 2 Design Criteria Manual (DCM) Section 7.5 Trackway; limited Notice to Proceed 1 issued 6/09/22. In Q4 2022, this measure did not apply because construction has not commenced.	
Utilities/ Prepare a San Jose Water Supply Infrastructure Capacity Assessment and Participate in the Improvements	Utilities	Prepare a San Jose Water Supply Infrastructure Capacity Assessment	136	- MMRP-UTIL-A	-	Vol-1, ROD	Prepare a San Jose Water Supply Infrastructure Capacity Assessment Prepare a San Jose Water Supply Infrastructure Capacity Assessment and Participate in the Improvements: VTA will coordinate with San Jose Water Company (SJWC) and prepare a Cooperative Agreement to establish the BART Extension Alternative's participation in improvements to offsite water supply infrastructure. The SJWC may conduct a detailed engineering study and flow analysis to determine the extent of these impacts. The contractor will implement capacity-relief upgrades during the utility relocation phase of construction in accordance with SJWC requirements. The contractor will ensure that all construction activities follow the provisions outlined in this environmental document, including implementation of Mitigation Measure TRA-CNST-A to reduce potential impacts and increase participation.	28th Street/Little Portugal Station (Alum Rock); Downtown San Jose Station; Diridon Station	D		P	VTA	IC	This measure applies only to TOD. TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	
Utilities/ Prepare a Santa Clara Water Supply Infrastructure Capacity Assessment and Participate in the Improvements	Utilities	Prepare a Santa Clara Water Supply Infrastructure Capacity Assessment	137	- MMRP-UTIL-B	-	Vol-1, ROD	Prepare a Santa Clara Water Supply Infrastructure Capacity Assessment Prepare a Santa Clara Water Supply Infrastructure Capacity Assessment and Participate in the Improvements: VTA will coordinate with the City of Santa Clara Water and Sewer Utility (SCWSU) and prepare a Cooperative Agreement to establish the BART Extension Alternative's participation in improvements to offsite water supply infrastructure. The SCWSU may conduct a detailed engineering study and flow analysis to determine the extent of these impacts and participation. The contractor will implement capacity-relief upgrades during the utility relocation phase of construction in accordance with Chapter 17.15.210 of the Santa Clara City Code. The contractor will ensure that all construction activities follow the provisions outlined in this environmental document, including implementation of the construction education and outreach plan, to reduce potential impacts.	Santa Clara Station	D		P	VTA	IC	This measure applies only to TOD. TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	



**BSV Phase II - Environmental Commitments Record
Mitigation Monitoring & Reporting Program**

Env Doc Chapter / Mitigation Topic	Environmental Document Chapter	Mitigation Topic	MMRP Code		Source Document	Summary	Mitigation Measure	Location	Implementation					2022 Q4	Quarter Mitigation Completed
			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Utilities/ Prepare a San Jose Sewer Capacity Assessment and Participate in the Improvements	Utilities	Prepare a San Jose Sewer Capacity Assessment	138	MMRP-UTIL-C	-	Vol-1, ROD	Prepare a San Jose Sewer Capacity Assessment	28th Street/Little Portugal Station (Alum Rock); Downtown San Jose Station; Diridon Station	D		P	VTA	IC	This measure applies only to TOD. TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	



**BSV Phase II - Environmental Commitments Record
Mitigation Monitoring & Reporting Program**

Env Doc Chapter / Mitigation Topic	Environmental Document Chapter	Mitigation Topic	MMRP Code		Source Document	Summary	Mitigation Measure	Location	Implementation					2022 Q4	Quarter Mitigation Completed
			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Utilities/ Prepare a Santa Clara Sewer Capacity Assessment and Participate in the Improvements	Utilities	Prepare a Santa Clara Sewer Capacity Assessment	139	- MMRP-UTIL-D	-	Vol-1, ROD	Prepare a Santa Clara Sewer Capacity Assessment	Santa Clara Station	D		P	VTA	IC	This measure applies only to TOD. TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	
Visual Quality and Aesthetics/ Replace Trees	Visual Quality and Aesthetics	Replace Trees	140	- MMRP-AES-CNST-A	-	Vol-1, ROD	<p>Replace Trees: The contractor will inventory trees that will be removed due to construction activities and will note each tree on construction plans before construction begins. VTA will compensate for any trees removed according to the following ratios.</p> <p>VTA will replace all urban trees that are to be removed or lost as a result of the BART Extension to the extent feasible. VTA will replace trees with a diameter of less than 12 inches at a 2:1 ratio, and trees with a diameter of 12 inches or more at a 3:1 ratio. If urban trees (nonnatives and ornamentals) are replaced with native trees, VTA will use a reduced mitigation ratio of 1:1 for all trees smaller than 12 inches in diameter, and 2:1 for all trees with a diameter of 12 inches or more. VTA will irrigate and maintain these trees for a period of no less than 3 years. If VTA cannot replace trees at the stated ratios along the alignment, VTA will pay in-lieu fees.</p> <p>For any landscaping adjacent to the creeks and on VTA right-of-way (ROW), VTA will adhere to the SCVWD's Guidelines and Standards for Land Use Near Streams regarding the use of native species near the creeks.</p>	Program-wide	D	C		VTA/C	IC	<p>The four contract packages and current design status is as follows:</p> <p>CP-1 Systems - RFP Rev C was issued on 04/15/22.</p> <p>CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 2 Design Criteria Manual (DCM) Section 6.3 Landscaping and Vegetation Control; limited Notice to Proceed 1 issued 6/09/22.</p> <p>CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22.</p> <p>CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.</p> <p>On 10/4/22, the following marked trees were removed at 1600 Las Plumas to facilitate cleanup and remediation:</p> <p>• 51, 52, 53, 61, 63, 64</p> <p>A total of 6 trees were removed in Q4 2022.</p>	



**BSV Phase II - Environmental Commitments Record
Mitigation Monitoring & Reporting Program**

Env Doc Chapter / Mitigation Topic	Environmental Document Chapter	Mitigation Topic	MMRP Code		Source Document	Summary	Mitigation Measure	Location	Implementation					2022 Q4	Quarter Mitigation Completed
			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		
Visual Quality and Aesthetics/ Minimize Light and Glare (for TOJD)	Visual Quality and Aesthetics	Minimize Light and Glare (for TOJD)	141	- MMRP-AES-A	-	Vol-1, ROD	Minimize Light and Glare (for TOJD)	TOJD	D	C			IC	TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	
Water Resources, Water Quality, and Floodplains Design and Implement Stormwater Control Measures	Water Resources, Water Quality, and Floodplains	Design and Implement Stormwater Control Measures	142	- MMRP-WQ-A	-	Vol-1, ROD	Design and Implement Stormwater Control Measures	Program-wide	D	C	P	VTA/C	IC	The four contract packages and current design status is as follows: CP-1 Systems - RFP Rev C was issued on 04/15/22. CP-2 Tunnel and Trackwork - This mitigation measure was included in the CP2 Conformed set under Vol 1 General Requirements, Sections 01 35 72 Temporary Water Pollution Control and 01 35 73 Permanent Water Pollution Control; limited Notice to Proceed 1 issued 6/09/22. CP-3 Newhall Yard/Santa Clara Station - issued RFP Rev A 3/4/22. CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21. In Q4 2022, this measure did not apply because construction has not commenced.	



2024 Phase 8 - Environmental Commitments Report
Design Requirements and Best Management Practices

Design Topic Area	Foliar Code	Form Document	Page/Section Number	Milestone	Milestone Description	Location	Implementation	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2
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VTA Valley Transportation Authority		BART Phase 2 - Environmental Commitments Report		Design Requirements and Best Management Practices		2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030		2031		2032		2033		2034		2035		2036		2037		2038		2039		2040		2041		2042		2043		2044		2045		2046		2047		2048		2049		2050																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Design Topic Area	Folder Code	Form Document	Page/Section Number	Milestone	Milestone Description	Location	Implementation	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922

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Design Topic Area	Chrono #	Code	Form Document	Page/Section Number	Req #	Req Description	Location	Implementation	Status Updates/Notes	Quarter Milestones Completion	TOID LEAD	VTA LEAD	CP1	CP2	CP3	CP4	Requirements/ Specifications/ DCM action	Verification Documentation	Internal Notes/Comments															
Sustainability	075	DBAMP-BASE-SUST-A	800-ATT-A, CH-2, CH-4, CH-6	20, 2-47, 4-7, 6-7	20	Install Daylight Controls or Occupancy Sensors	Program-wide	D	VTA	IC														X	X			X	X	Volume 2 Design Criteria Manual (DCM) Electrical Power and Lighting (Section 8.1.2.1.4)				
Sustainability	076	DBAMP-BASE-SUST-B	800-ATT-A, CH-2, CH-4, CH-6	20, 2-47, 4-7, 6-7	20	Consider Variable Speed Escalators	Program-wide	D	VTA	IC																		X	X	01 35 74 Sustainability Requirements	Volume 2 Design Criteria Manual (DCM) 8.1 Electrical Power and Lighting			
Sustainability	077	DBAMP-BASE-SUST-C	800-ATT-A, CH-2, CH-6	20, 2-47, 6-7	20	Incorporate On-Site Renewable Energy Systems	Program-wide	D	VTA	IC																		X	X	01 35 74 Sustainability Requirements	Volume 2 Design Criteria Manual (DCM) 8.1 Electrical Power and Lighting			
Sustainability	078	DBAMP-BASE-SUST-D	800-ATT-A, CH-2, VTA-Green	20, 2-47, 6-8	20	Use Size-Based OI	Program-wide	D	VTA	IC														X						Volume 2 Design Criteria Manual (DCM) 8.1 Electrical Power and Lighting 8.7 Calculations and Studies, 01 35 74 Sustainability Requirements	Volume 2 Design Criteria Manual (DCM)			
Sustainability	079	DBAMP-BASE-SUST-E	800-ATT-A, CH-2, CH-5, CH-6	21, 2-58, 5-14C, 6-9	21	Use Recycled or Local Materials and Reuse Site Soil	Program-wide	D	C	VTA	IC														X	X	X	X	CP2 Conform RFP 01 35 74 Sustainability Requirements, Section 2.22.4					
Sustainability	080	DBAMP-BASE-SUST-F	800-ATT-A, CH-2, VTA-Green	21, 2-58, 2	21	Comply with Leadership in Energy and Environmental Design (LEED) Indoor Air Quality Standards	Program-wide	D	VTA	IC															X						01 35 74 Sustainability Requirements			
Sustainability	081	DBAMP-SUST-A	VTA-Green	2	2	Provide Compatible Electric Vehicle Charging Stations	Program-wide	D	VTA	IC																		X	X	01 35 74 Sustainability Requirements	Volume 2 Design Criteria Manual (DCM)			
Sustainability	082	DBAMP-SUST-B	VTA-Green	2	2	Exceed California Green Building Standards (CALGreen) Requirements for Waste Diversion	Program-wide	D	C	VTA	IC															X	X	X	X	CP2 Conform RFP 01 35 74 Waste Management, (Section 1.08.A) and 01 35 74 Sustainability Requirement (Section 1.04.A)				
Sustainability	083	DBAMP-SUST-C	VTA-Green	VTA-Green			Program-wide	D	VTA	IC																	X	X	X	X	CP2 Conform RFP 01 35 74 Sustainability Requirements, (Section 1.08.A) and 01 35 74 Sustainability Requirement (Section 1.04.A)	Volume 2 Design Criteria Manual (DCM), (Section 6.1.3.A)		
Sustainability	084	DBAMP-SUST-D	CH-6	6-7-10		Meet California Green Building Standards (CALGreen) Mandatory Measures for Nonresidential Structures	Program-wide	D	VTA	IC																								
Sustainability	085	DBAMP-SUST-E	VTA-Green	4.1		Incorporate California Green Building Standards (CALGreen) Voluntary Measures for Nonresidential Structures	Program-wide	D	VTA	IC																		X	X	X	X	CP2 Conform RFP 01 35 74 Sustainability Requirements (Section 1.04)		
Sustainability	086	DBAMP-SUST-F	CH-2, VTA-Green	2-7		Reduce and Treat Stormwater at Source	Program-wide	D	VTA	IC																		X	X	X	X	Volume 2 Design Criteria Manual (DCM), (Section 6.1.3.A)		

VTA Valley Transportation Authority		B13 Phase 8 - Environmental Commitments Report		Design Requirements and Best Management Practices		2018												2019												2020												2021												2022												2023												2024												2025												2026												2027												2028												2029												2030												2031												2032												2033												2034												2035												2036												2037												2038												2039												2040												2041												2042												2043												2044												2045												2046												2047												2048												2049												2050												2051												2052												2053												2054												2055												2056												2057												2058												2059												2060												2061												2062												2063												2064												2065												2066												2067												2068												2069												2070												2071												2072												2073												2074												2075												2076												2077												2078												2079												2080												2081												2082												2083												2084												2085												2086												2087												2088												2089												2090												2091												2092												2093												2094												2095												2096												2097												2098												2099												2100											
Design Topic Area	Folder Code	Form Document	Page/Section Number	Milestone	Milestone	Location	Implementation	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866																																																																																																																																																	

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Design Topic Area	Chrono #	Code						Q3 04	Q1 02 03 04	Q1 02 03 04	Q1 02	Q3	Q4	Q1	Q2	Q3/04														
Transportation	115	DRBMP-TRA-6	CH-3	1-110, 3-111	1	Program-wide	D															X							Implementation not under Contractors purview.	
Transportation	116	DRBMP-TRA-7	CH-3	3-76, 3-117	2	Santa Clara Station, Newhall Maintenance Facility	D																X						CP 1 interface with Other Jurisdictions	
Transportation	117	DRBMP-TRA-8	CH-3	3-119	3	Program-wide	D																						Volume 2 Design Criteria Manual (DCM)	
Transportation	118	DRBMP-TRA-9	CH-5	5-84 & 5-98	4	Program-wide, City of San Jose	D																						Volume 5 F&P Report	
Transportation	119	DRBMP-TRA-10	CH-5	5-100 & 5-101	5	Diridon Station	C																						CP 2 Conform RFP 01 55 27 Maintenance of Traffic and Access Specification (to include CTPM requirement) Transportation Plan (Section 1.05)	
Transportation	120	DRBMP-TRA-11	CH-6	6-7, 8-17, 8-22	6	Five Wounds Trail, 20th Street/Alum Rock	D																						CP 1 55 27 Maintenance of Traffic and Access	
Transportation	121	DRBMP-TRA-12	CH-7	7-13	7	Program-wide	P																						Implementation not under Contractors purview.	
Transportation	122	DRBMP-TRA-13	Vol-2, CH-2	2-47	8	Program-wide	D																							TOD related not directly applicable to CPs
Transportation	123	DRBMP-TRA-14	Vol-2, CH-2	2-81	9	Program-wide	D																						CP 1 26 Caltrans Interface Subsection 1.04.B.2	
Transportation	124	DRBMP-TRA-15	Vol-2, CH-2	2-81	10	Program-wide	D																						CP 2 Conform RFP 01 71 43 Permits, Licenses, and Agreements (Section 1.04)	
Transportation	125	DRBMP-TRA-16	Vol-2, CH-2	2-86	11	Diridon Station	D																						CP 2 Conform RFP 01 51 05 Interface Management (PART 3 Execution) and 1.04	
Transportation	126	DRBMP-TRA-17	Vol-2, CH-2	2-86	12	Diridon Station	C																						CP 2 Conform RFP 01 71 43 Permits, Licenses, and Agreements (Section 1.04)	

BART Phase 2 - Environmental Commitments Report		Design Requirements and Best Management Practices		2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030		2031		2032		2033		2034		2035		2036		2037		2038		2039		2040																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Design Topic Area	Foliar Code	Form Document	Page/Section Number	Location	Implementation	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935

