



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
	SJRRC	San Joaquin Regional Rail Commission
	SIWC	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

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Mitigation Monitoring & Reporting Program

Env Doc Chapter / Mitigation Topic	Environmental Document Chapter	Mitigation Topic	MMRP Code		Source Document	Summary	Mitigation Measure	Location	Implementation					2023		Quarter Mitigation Completed
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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-CSI 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>The Santa Clara Station field office will be incorporated into the 1st floor of the 2830 De La Cruz project office. The Downtown-Diridon Field office is currently under construction in conjunction with the new VTA Downtown Service Center. It is anticipated to be opened in Q3 2023. Search for a location for the 28th Street/Little Portugal field office is still underway.</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 Q2 2023, 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-	A-04	Vol-1, ROD	Conduct Business Operational Surveys	Program-wide	D	C		VTA	IC	VTA conducted pre-construction operational as well as access and service needs interviews for over 50 businesses, institutions and schools in the project corridor adjacent to future potential construction staging areas in Q4 2020. Coordination with new and existing businesses near expected construction areas is ongoing to minimize impacts to the businesses.		
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	5	- MMRP-TRA-CNST-	A-05	Vol-1, ROD	Coordinate on Other Construction Projects	Program-wide	D	C		VTA	IC	In Q2 2023, Meetings were held with City of San Jose's Arena Entertainment and Operations Committee (AEOC) on 4/23/23, 5/11/23 and 6/8/23 and five meetings with Downtown West (DTW) and Hunter Properties.		
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	6	- MMRP-TRA-CNST-	A-06	Vol-1, ROD	Engage with Stakeholders	Program-wide	D	C		VTA	IC	*VTA BSVII presented to multiple stakeholder groups in Q2 of 2023, including: the BART Accessibility Task Force (BATF) on 5/25 and the BART Bicycle Advisory Task Force (BBATF) on 6/5. In Q2 2023, BSVII held seven (7) biweekly program-wide meetings with the City of San Jose staff on 4/7, 4/17, 5/1, 5/15, 5/26, 6/12, and 6/26. Additionally, eight (8) Construction Transportation Management Plan -specific meetings occurred with the City of San Jose and/or City of Santa Clara on 4/21, 5/5, 5/5 (second meeting that day), 5/12, 5/19, 5/26, 6/2, and 6/30*		
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	7	- MMRP-TRA-CNST-	A-07	Vol-1, ROD	Engage Public	Program-wide	D	C		VTA	IC	VTA BSVII presented to the SJ Downtown Residents Association (5/17) and the San Jose Downtown Association (6/21)		
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	8	- MMRP-TRA-CNST-	A-08	Vol-1, ROD	Distribute Project Information	Program-wide	D	C		VTA	IC	6 construction notices were issued and filed; 24 Social Media posts was 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-	A-09	Vol-1, ROD	Develop Project Signage Program	Program-wide	D	C		VTA	IC	VTA has drafted templates for project identification, project corridor, and contractor field office signs. VTA is also working with the tunnel and trackwork contractor to develop a signage plan for upcoming Project stages.		
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	10	- MMRP-TRA-CNST-	A-10	Vol-1, ROD	Display Maps and Construction Schedule	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-	A-11	Vol-1, ROD	Display Parking and Access	Program-wide	D	C		VTA	IC	VTA is developing a construction page and a construction activity map that will provide information about parking availability within each work area. In the interim VTA has published a construction noticing page to post active construction activities.		
Transportation / Develop and Implement a Construction Education and Outreach Plan	Transportation	Develop and Implement a Construction Education and Outreach Plan	12	- MMRP-TRA-CNST-	A-12	Vol-1, ROD	Maintain Media Relations	Program-wide	D	C		VTA	IC	The media covered the project 1 time and VTA wrote 6 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-	A-13	Vol-1, ROD	Designate Community Outreach Personnel	Program-wide	D	C		VTA	IC	VTA designated project staff that will lead outreach within each work area and the CP2 Contractor has two Community Construction Relationship Offices (CCROs) that will be available during construction. Office hours will be established once the field offices are completed.		

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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	VTA continues to develop the Business Resource Program (BRP) which includes four elements that will identify ways VTA can help alleviate disruptions and support the business community during construction. BRP informational update was presented to Small Business Task Force on 5/15, the VTA Board of Directors on 6/16, Davis' staff on 5/24, and Chavez staff on 5/19.	
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	VTA continues to develop the Business Resource Program which includes four elements that identify ways VTA can help alleviate disruptions and support the business community during construction.	
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- CNST-	B- 01	Vol-1, ROD	<p>Develop Construction Transportation Management Plan (CTMP)</p> <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. <p>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.</p>	Program-wide	D	C		VTA	IC	<p>"In Q2 2023 Cities of San Jose and Santa Clara approved KST's CP2 CTMP for Early Works at the West Portal. Earlier in the quarter, KST provided a revised finalized CTMP to VTA for review which was then shared with both cities on 5/02. On 5/22 the CTMP was approved by the City of San Jose Council. Following City of Santa Clara Council Briefings, the CTMP was approved on 6/6, though the CTMP was revised before CSC approval and thus has to go back to CSJ Council on 8/15 for final approval of the revised document.</p> <p>KST's CP2 CTMP for Early Works at the West Portal also included development of a PayPal Park Event Management Plan & West Portal Traffic Response Plan which were developed with the cities and local stakeholders and shared on 6/20.</p> <p>In total, there were more than 25 City Coordination meetings in Q2 2023 in which many focused solely on or had agenda topics related to the CTMP development.</p> <p>KST also advanced discussion of Early Work Construction and Tunneling and Heavy Construction at the San Jose Stations at standing meetings with the City of San Jose and local stakeholders.</p> <p>KST determined the CTMP schedule for the remained of Contract Package 2 as follows:</p> <ol style="list-style-type: none"> West Portal Early Work Construction Downtown San Jose and Diridon Early Work Construction and Tunneling and Heavy Construction West Portal Tunneling and Heavy Construction East Portal and 28th St Early Work Construction and Tunneling and Heavy Construction <p>The remaining CTMPs will be developed in the order of 4, 2, and 3."</p>		

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Transportation/ Develop and Implement a Construction Transportation Management Plan	Transportation	Develop Construction Transportation Management Plan (CTMP)	19	- MMRP- TRA- CNST-	B- 02	Vol-1, ROD	Develop Individual Traffic Control Plans (TCPs)	Program-wide	D	C		VTA	IC	TCPs will be developed following the finalized of the contract specific CTMPs.		
Transportation/ Develop and Implement a Construction Transportation Management Plan	Transportation	Develop Construction Transportation Management Plan (CTMP)	20	- MMRP- TRA- CNST-	B- 03	Vol-1, ROD	<p>Include Site-Specific Requirements in Traffic Control Plans (TCPs)</p> <p>Develop and Implement a Construction Transportation Management Plan: The TCPs will include site-specific requirements such as the following.</p> <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. <p>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.</p>	Program-wide	D	C		VTA	IC	TCPs will be developed following the finalized of the contract specific CTMPs.		



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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)	Program-wide	D	C		VTA	IC			A cooperative agreement has been created between VTA and the Cities of San Jose and Santa Clara, and an ESCP will be created prior to construction. Adjustments to the ESCP will be implemented should they arise throughout the duration of construction. Outreach notices are kept in the VTA Salesforce program and can be provided if requested.
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	Diridon Station		C		VTA	IC			VTA provided the contractor the Notice to Proceed (NTP) to start construction in June 2023.



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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			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 1880 Southbound Ramps (for TOJD)	Transportation	Implement Intersection Improvements at the Intersection of Coleman Avenue and 1880 Southbound Ramps (for TOJD)	25	- MMRP-TRA-C	-	Vol-1, ROD	Improve Intersection at Coleman Ave. & 1880 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. This measure has been applied as seen in the mitigation measures MMRP-AQ-CNST-A-02 through A-15 below.		
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. Utility relocation work at the Downtown San Jose Primary Headhouse location took place from April-May 2023 in Q2 2023 and included fiber optic relocation trenching and soil testing. Dust suppression was applied to excavated soils as well as stockpiles to prevent wind erosion.		

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Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	28	- MMRP-AQ-CNST-	A-03	Vol-1, ROD	Maintain Soil Moisture Content	Program-wide	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 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.</p> <p>Utility relocation work at the Downtown San Jose Primary Headhouse location took place from April-May 2023 in Q2 2023 and included fiber optic relocation trenching and soil testing. Dust suppression was applied to excavated soils as well as stockpiles to prevent wind erosion.</p>			
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	29	- MMRP-AQ-CNST-	A-04	Vol-1, ROD	Cover or Moisten Haul Trucks	Program-wide	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 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.</p> <p>For Q2 2023, no soil was removed from the site. This measure will be implemented as appropriate in future quarters.</p>			
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	30	- MMRP-AQ-CNST-	A-05	Vol-1, ROD	Use Wet Power Vacuum Street Sweepers	Program-wide	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 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.</p> <p>For Q2 2023, there was no trackout from active sites, and thus no street sweeping was necessary.</p>			
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	31	- MMRP-AQ-CNST-	A-06	Vol-1, ROD	Limit Vehicle Speed	Program-wide	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 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.</p> <p>For Q2 2023, no unpaved roads were utilized at active construction areas. Therefore, this measure will be implemented in future quarters.</p>			

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Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	32	- MMRP-AQ-07 CNST-	Vol-1, ROD	Complete Paving ASAP	Program-wide	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 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.</p> <p>For Q2 2023, there were no paving operations. Therefore this measure will be implemented in future quarters.</p>				
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	33	- MMRP-AQ-08 CNST-	Vol-1, ROD	Post Signage Regarding Dust Complaints	Program-wide	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 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.</p> <p>For Q2 2023, construction has not commenced, therefore this measure will be implemented in future quarters.</p>				
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	34	- MMRP-AQ-09 CNST-	Vol-1, ROD	Suspend Earth Moving Activities When Windy	Program-wide	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 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.</p> <p>For Q2 2023, wind speeds did not exceed 20mph during any construction activities, therefore this measure will be implemented in future quarters.</p>				
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	35	- MMRP-AQ-10 CNST-	Vol-1, ROD	Install Windbreaks	Program-wide	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 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.</p> <p>For Q2 2023, wind speeds did not exceed 20mph during any construction activities, therefore this measure did not apply and will be implemented in future quarters.</p>				



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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			<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 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.</p> <p>For Q2 2023, utility relocation work took place at the Downtown San Jose Primary Headhouse location in a paved parking lot. Vegetative cover is not required in this location, therefore this measure will be implemented in future quarters.</p>		
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			<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 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.</p> <p>For Q2 2023, fiber optic relocation trenching and soil testing took place in the Downtown San Jose Primary Headhouse location and was phased to limit ground disturbance and public parking lot closures during construction activities.</p>		
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			<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 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.</p> <p>For Q2 2023, construction activities were limited to paved parking areas at the Downtown San Jose Primary Headhouse location. Rumble strips and street sweeping were utilized at this location to prevent trackout onto the public roadways.</p>		
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			<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 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.</p> <p>For Q2 2023, construction activities were limited to paved parking areas at the Downtown San Jose Primary Headhouse. Sediment and erosion controls were implemented on site during construction activities. An Erosion and Sediment Control Action Plan Element (ESCAPE) was written for the work and can be found in the MMRP_AQ_39 Q2 2023 folder.</p>		

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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
Air Quality/ Implement Dust Control Measures	Air Quality	Implement Dust Control Measures	40	- MMRP-AQ-CNST-	A-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 Q2 2023, construction or operation of concrete batch plants 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. Specifications and contracts require EPA Tier 4 engines for all off-road, diesel-powered equipment used during construction. This measure will be enforced during heavy construction activities.		
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 Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. All equipment used on site was inspected prior to operation, and was maintained and tuned during construction activities.		
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 Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. Idling times of all equipment on site was minimized to the extent practicable.		

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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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	<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 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.</p> <p>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. All equipment utilized on site met ARB's certification standards, as required by the specifications of the project.</p>				
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	<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 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.</p> <p>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. No heavy-duty diesel trucks were utilized on site. Therefore, this measure will be implemented in future quarters.</p>				
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	<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 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.</p> <p>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. Low-sulfur fuels were utilized in all construction equipment.</p>				
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	<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 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.</p> <p>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. Sensitive noise receptors and fresh-air intake vents were identified and avoided to the maximum extent practicable.</p>				

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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		2023	
															Q2	
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	<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 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.</p> <p>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. No coatings were required for this work, therefore this measure will be implemented in future quarters.</p>		
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	<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>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. Work occurred outside of any suitable habitat for nesting birds, therefore this measure will be implemented in future quarters.</p>		
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	<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>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. No trees were impacted during this work, therefore this measure will be implemented in future quarters.</p>		
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	<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>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. No trees were impacted during this work, therefore this measure will be implemented in future quarters.</p>		

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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		2023	
															Q2	
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	Vol-1, ROD	No Disturbance to Bat Roosting Trees Between April 1 and September 15	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>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. No trees were impacted during this work, therefore this measure will be implemented in future quarters.</p>			
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	Vol-1, ROD	Remove Bat Roosting Trees between September 15 and October 30	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>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. No trees were impacted during this work, therefore this measure will be implemented in future quarters.</p>			
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	Vol-1, ROD	Remove Trees in Pieces	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>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. No trees were impacted during this work, therefore this measure will be implemented in future quarters.</p>			
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	Vol-1, ROD	Ensure Maternity Roost is Undisturbed until September 15	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>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. No trees or maternity roost locations were impacted during this work, therefore this measure will be implemented in future quarters.</p>			

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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status		2023	
															Q2	
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-CN06	Vol-1, ROD	Biologists to Monitor Tree Removal	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. For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. No trees or maternity roost locations were impacted during this work, therefore this measure will be implemented in future quarters.			
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-CN07	Vol-1, ROD	Conduct Roosting Bat Surveys at Buildings Depending on the results of the habitat assessment, VTA and its representatives will take the following steps (MMRP-BIO-CN08 through C-18).	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. For Q2 2023, no buildings were removed or demolished, therefore this measure will be implemented in future quarters.			
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-CN08	Vol-1, ROD	Conduct Roosting Bat Surveys Within 24 Hours of Building Demolition	Program-wide	D	C		VTA/C	IC	For Q2 2023, no buildings were removed or demolished, therefore this measure will be implemented in future quarters.			
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-CN09	Vol-1, ROD	Conduct Roosting Bat Surveys Within 24 Hours of Building Demolition	Program-wide	D	C		VTA/C	IC	For Q2 2023, no buildings were removed or demolished, 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	Q2		
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-C-10 CNST	Vol-1, ROD	Implement Roosting Bat Protective Measures	Program-wide	D	C		VTA/C	IC	For Q2 2023, no buildings were removed or demolished, therefore this measure will be implemented in future quarters.			
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-C-11 CNST	Vol-1, ROD	Conduct Follow-Up Roosting Bat Surveys at Buildings	Program-wide	D	C		VTA/C	IC	For Q2 2023, no buildings were removed or demolished, therefore this measure will be implemented in future quarters.			
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-C-12 CNST	Vol-1, ROD	Install Bat Roosting Exclusion Measures	Program-wide	D	C		VTA/C	IC	For Q2 2023, no buildings were removed or demolished, therefore this measure will be implemented in future quarters.			
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-C-13 CNST	Vol-1, ROD	Conduct Roosting Bat Surveys Within 24 Hours of Building Demolition	Program-wide	D	C		VTA/C	IC	For Q2 2023, no buildings were removed or demolished, 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	Q2		
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-C-14 CNST	Vol-1, ROD	Implement Roosting Bat Protective Measures	Program-wide	D	C		VTA/C	IC	For Q2 2023, no buildings were removed or demolished, therefore this measure will be implemented in future quarters.			
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-C-15 CNST	Vol-1, ROD	No Building Demolition While Bats Are Present	Program-wide	D	C		VTA/C	IC	For Q2 2023, no buildings were removed or demolished, therefore this measure will be implemented in future quarters.			
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-C-16 CNST	Vol-1, ROD	Only Remove Roosting Building Habitat Prior to Hibernation	Program-wide	D	C		VTA/C	IC	For Q2 2023, no buildings were removed or demolished, therefore this measure will be implemented in future quarters.			
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-C-17 CNST	Vol-1, ROD	Install Roosting Bat Exclusion Devices	Program-wide	D	C		VTA/C	IC	For Q2 2023, no buildings were removed or demolished, 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	Q2		
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	For Q2 2023, no buildings were removed or demolished, therefore this measure will be implemented in future quarters.			
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	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 Q2 2023, no construction occurred near Guadalupe River and Los Gatos Creek.			
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	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	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.			



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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	Newhall Maintenance Facility	D	C		VTA/C	IC			No work occurred at the Newhall Maintenance facility, therefore no burrowing owl surveys were required.	
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	Newhall Maintenance Facility	D	C		VTA/C	IC			In Q2 2023, this measure did not apply because no BUOW surveys were required.	
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 Q2 2023, this measure did not apply because no BUOW surveys were required.	
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 Q2 2023, this measure did not apply because no BUOW surveys were required.	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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-05	Vol-1, ROD	Determine Baseline Owl Behavior	Newhall Maintenance Facility	D	C		VTA/C	IC			In Q2 2023, this measure did not apply because no BUOW surveys were required.	
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 Q2 2023, this measure did not apply because no BUOW surveys were required.	
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	Newhall Maintenance Facility	D	C		VTA/C	IC			In Q2 2023, this measure did not apply because no BUOW surveys were required.	
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	Newhall Maintenance Facility	D	C		VTA/C	IC			In Q2 2023, this measure did not apply because no BUOW surveys were required.	
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	Newhall Maintenance Facility	D	C		VTA/C	IC			In Q2 2023, this measure did not apply because no BUOW surveys were required.	

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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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 Q2 2023, this measure did not apply because no BUOW surveys were required.		
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 Q2 2023, this measure did not apply because no BUOW surveys were required.		
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 Q2 2023, this measure did not apply because no BUOW surveys were required.		
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 Q2 2023, this measure did not apply because no BUOW surveys were required.		
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 Q2 2023, this measure did not apply because no BUOW surveys were required.		

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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)	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 Q2 2023, archaeological planning and investigations is 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	Vol-1, ROD	Incorporate Design Specifications to Minimize Effects from Liquefaction Hazards	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	Vol-1, ROD	Use Pile Foundations as a Means of Ground Densification <i>(Also see MMRP-GEO-CNST-A-06).</i>	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 Q2 2023, design for liquefaction hazards is underway.	
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 <i>(Also see MMRP-GEO-CNST-A-06).</i>	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 Q2 2023, design for liquefaction hazards is underway.	

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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	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 Q2 2023, design for liquefaction hazards is underway.			
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) Sections 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 Q2 2023, design for liquefaction hazards is underway.			
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	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 Q2 2023, design for liquefaction hazards is underway.			
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	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. VTA did not perform surveys at any properties in Q2 2023.			

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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-	Vol-1, ROD	Prepare Condition Assessment Reports for Historic Buildings	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. VTA did not perform surveys at any historic properties in Q2 2023.			
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	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. In Q2 2023, this measure did not apply because underground tunnels and stations 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	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 Q2 2023, this measure did not apply because underground tunnels and stations 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	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. In Q2 2023, this measure did not apply because underground tunnels and stations construction has not commenced.			

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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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			<p>The relevant contract packages and current design status is as follows:</p> <p>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.</p> <p>CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.</p> <p>In Q2 2023, this measure did not apply because <u>underground tunnels and stations</u> construction has not commenced.</p>	
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			<p>The relevant contract packages and current design status is as follows:</p> <p>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.</p> <p>CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.</p> <p>In Q2 2023, design for minimization for disturbance of sensitive deposits is underway.</p>	
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			<p>The relevant contract packages and current design status is as follows:</p> <p>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.</p> <p>CP-4 Stations - received the Statement of Qualifications in response to their RFQ on 9/23/21.</p> <p>In Q2 2023, design to minimize effects from expansive soils is underway.</p>	



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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-GE0-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. For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. No paleontological resources were discovered during these construction activities.			
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-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-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-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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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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	<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 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.</p> <p>For Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. A Remedial Action Plan was not required for this work. This measure will be implemented in future quarters.</p>		
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	<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>Section 01 81 20 Noise and Vibration Control has been included in the project specifications and is provided in all bid documents.</p>		
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	<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 Q2 2023, this measure did not apply because construction activities did not utilize stationary equipment.</p>		
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	<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 Q2 2023, this measure did not apply because construction noise did not surpass ambient noise levels surrounding the construction area.</p>		

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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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-CNSTD	-	Vol-1, ROD	Operate Equipment to Minimize Annoying Noise and Vibration	Program-wide	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 Q2 2023, equipment was operated in a manner to minimize noise and vibration.</p>		
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-CNSTE	-	Vol-1, ROD	Route Construction Trucks along Truck Routes Least Disturbing to Residents	Program-wide	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 Q2 2023, construction related truck traffic included transportation of equipment. Loading/unloading zones were utilized to minimize reverse back-up alarms. This measure will be implemented in future quarters.</p>		
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-CNSTF	-	Vol-1, ROD	Secure Steel and Concrete Plates over Excavated Holes and Trenches	Program-wide	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 Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. Following trenching, steel plates were secured of the trenches.</p>		
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-CNSTG	-	Vol-1, ROD	Use Best Available Practices to Reduce Noise and Vibration	Program-wide	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 Q2 2023, construction activities included fiber optic relocation trenching and soils testing within paved parking areas at the Downtown San Jose Primary Headhouse. Equipment included an exhaust silencers/mufflers in accordance with best available practice. Environmental inspector spot checked adherence to this measure. See Site Inspections folder.</p>		



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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. In Q2 2023, work was limited to construction hours where feasible.			
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 Q2 2023, this measure did not apply because construction on tunnel portals, stations, and ventilation sites has not commenced.			
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. A Construction Noise and Vibration Control Plan (CNVCP) was submitted on 1/31/2023. An Operational Noise and Vibration Control Plan (ONVCP) for CP-2 was submitted on 5/18/2023. Comments were received and the ONVCP is being updated to address these comments.			
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.			



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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. No noise generating equipment was operated in Q2 2023.		
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. No long-term noise monitors were required as construction has not commenced.		
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. No long-term noise monitors were required as construction has not commenced.		
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 Q2 2023, this measure did not apply because construction utilizing major equipment has not commenced.		



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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	<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 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.</p> <p>In Q2 2023, this measure did not apply because the contractor has not commenced construction.</p>		
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	<p>Prepare a Construction Vibration Control and Monitoring Plan</p> <p>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.</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>An Operational Noise and Vibration Control Plan (ONVCP) for CP-2 was submitted on 5/18/2023. Comments were received and the ONVCP is being updated to address these comments.</p>		
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	<p>Halt Construction if Levels Exceed Allowable Vibration Limits</p> <p>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.</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>An Operational Noise and Vibration Control Plan (ONVCP) for CP-2 was submitted on 5/18/2023. Comments were received and the ONVCP is being updated to address these comments.</p>		
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>An Operational Noise and Vibration Control Plan (ONVCP) for CP-2 was submitted on 5/18/2023. Comments were received and the ONVCP is being updated to address these comments.</p>		

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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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	Measure Building Vibration in Vertical Direction and Utilities in Accordance with Meter Instructions	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. An Operational Noise and Vibration Control Plan (ONVCP) for CP-2 was submitted on 5/18/2023. Comments were received and the ONVCP is being updated to address these comments.		
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	Notify Qualified Professional (QP) if Historic Building Construction Vibration Approaches Threshold	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. An Operational Noise and Vibration Control Plan (ONVCP) for CP-2 was submitted on 5/18/2023. Comments were received and the ONVCP is being updated to address these comments.		
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	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. Vertical direction vibration monitoring was not performed in Q2 2023 as construction has not commenced.		
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	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 Q2 2023, VTA continued to coordinate with property owners for access permission to enter to perform surveys.		



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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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	Program-wide	D	C	P	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 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.</p> <p>In Q2 2023, no Condition Assessment Reports (CAR) for historic properties were developed.</p>		
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-S	-	Vol-1, ROD	Implement Measures to Reduce Vibration from Muck Extraction and Supply Trains	Tunnel Alignment		C			IC	<p>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.</p> <p>In Q2 2023, this measure was not implemented because construction, including muck extraction, has not yet commenced.</p>		
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	Systems (Ventilation Structures, Traction Power Substations, Emergency Backup Generators)		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 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.</p> <p>In Q2 2023, this measure did not apply because construction has not commenced.</p>		
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	Tunnel Alignment		C		VTA/C	IC	<p>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.</p> <p>In Q2 2023, this measure did not apply because construction has not commenced.</p>		

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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2					
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 The contractor will implement capacity-relief upgrades during the utility relocation phase of construction in accordance with SIRC 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			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 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			TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.			
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 Prepare a San Jose Sewer Capacity Assessment The contractor will coordinate with the San Jose Department of Public Works (SJPW) to prepare a Cooperative Agreement to establish the BART Extension Alternative's participation in improvements to offsite sanitary sewer capacity deficiencies. SJPW may conduct a detailed engineering study and hydraulic analysis to determine the extent of these impacts. VTA will mitigate impacts on downstream sewer systems in San Jose through payment of the Sanitary Sewer Connection Fee, as required, which is used to rehabilitate and enhance sewer capacity through San Jose's Sanitary Sewer Capital Improvement Program. If payment to the Sanitary Sewer Connection Fee does not adequately mitigate potential offsite sewer capacity impacts related to the BART Extension, VTA will be responsible for direct upgrades to the sewer system. If sewer system overcapacity is a result of projected cumulative development, San Jose and VTA will develop a Cooperative Agreement to determine the BART Extension Alternative's participation in upgrades to the current system. The contractor will implement capacity-relief upgrades during the BART Extension's construction phase in accordance with applicable San Jose standards regarding sewer infrastructure improvements. Generally, the contractor will locate sewer infrastructure improvements within the existing public right-of-way, with minimal potential to impact sensitive environmental resources. The contractor will ensure that construction activities follow the provisions outlined in this environmental document, including implementation of the construction education and outreach plan, to reduce potential impacts.	28th Street/Little Portugal Station (Alum Rock); Downtown San Jose Station; Diridon Station	D		P	VTA	IC					TOD is not included in CP1 through CP4. Once TOD contracts are underway these measures will be addressed.	

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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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			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 (nonatives 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: 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 6.3 Landscaping and Vegetation 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>No trees were removed in Q2 2023.</p>	

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			Chrono #	Measure #					Timeframe: Design (D)	Timeframe: Construction (C)	Timeframe: Post-construction (P)	Responsible Party	Compliance Status	Q2		
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 Q2 2023, this measure did not apply because construction has not commenced.