

**EXHIBIT 1**

**MISSION BAY FSEIR  
MITIGATION MONITORING AND REPORTING PROGRAM**

## INTRODUCTION

Assembly Bill (AB) 3180 was enacted by the State Legislature to provide a mechanism to ensure that mitigation measures adopted through the California Environmental Quality Act (CEQA) process are implemented in a timely manner and in accordance with the terms of project approval. Under AB 3180, local agencies are required to adopt a monitoring or reporting program designed to ensure compliance during project implementation. @

The Mission Bay FSEIR Mitigation Monitoring and Reporting Program (AMitigation Monitoring Program@), pursuant to AB 3180 and CEQA section 21081.6 and CEQA Guidelines Section 15091, provides the basic framework through which adopted mitigation measures will be monitored to ensure implementation. The full text of the measures as they appear in the FSEIR is contained in Exhibit 2 to the Mission Bay CEQA Findings.

## ORGANIZATION

The Mission Bay Mitigation Monitoring Program is organized in a table format, keyed to each adopted FSEIR mitigation measure. For each measure, the table:

- identifies whether the measure applies to Mission Bay North and/or Mission Bay South (see FSEIR text for more specific information regarding allocation);
- lists the mitigation measure;
- 1) specifies the party responsible for implementing the measure;
- 2) establishes a schedule for mitigation implementation;
- 3) assigns mitigation monitoring responsibility; and
- establishes monitoring actions and a schedule for mitigation monitoring.

## IMPLEMENTATION

Where the implementing party is AOwner,@ that term has the meaning set forth in the Mission Bay North or Mission Bay South Owner Participation Agreement between the San Francisco Redevelopment Agency (AAgency@) and Catellus Development Corporation, as applicable. Where Owner is listed as the party responsible for implementation, responsibility is allocated to the Owner only as applicable with respect to Owner Improvements as defined in the Mission Bay North and Mission Bay South Owner Participation Agreements. The term "other developers" shall refer to any owner, developer or tenant, as applicable, other than Owner, including the Agency and the City, which may be constructing or operating a project in Mission Bay North or Mission Bay South.

While the Mitigation Monitoring Program generally outlines the actions, responsibilities, and schedule for mitigation monitoring, it does not attempt to specify the detailed procedures to be used to verify implementation (e.g., interactions between the Agency and City departments, use of private consultations, signed-off on plans, certification by project sponsors, site inspections, etc.). Specific monitoring procedures are either contained in approval documents or will be developed at a later date, closer to the time the mitigation measures will actually be implemented. Tables 1-3 (for both the North and South Plan Areas) attached to Exhibit 1 contain cumulative development thresholds that would trigger certain transportation improvements. As described in the Mission Bay North and Mission Bay South Infrastructure Plans, Infrastructure, including transportation improvements, generally would be constructed coincident with adjacent development. However, some key intersections and street segments could reach

congested conditions before development occurs on sites adjacent to those intersections or street segments out of the typical adjacency phase. Therefore, thresholds contained in Tables 1-3 attached to Exhibit 1 have been established for transportation infrastructure. Additional information regarding this process and the thresholds is provided in the Infrastructure Plans.

The majority of the measures will be monitored primarily by the Agency, the Department of Public Works (ADPW @) and/or the Department of Building Inspection (ADBI@) as part of the plan review, or review of subdivision and parcel maps, and/or site permit processes. Where the terms Project, Major Phase, Certificate of Occupancy and Infrastructure are used herein, those terms have the meaning and content set forth in the Mission Bay North and Mission Bay South Owner Participation Agreements. Where the term A site permit@ is used herein, it shall refer to the applicable building or site permit or appropriate addendum thereto.

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**MISSION BAY FSEIR MITIGATION MONITORING AND REPORTING PROGRAM**

	MITIGATION MEASURE	MITIGATION RESPONSIBILITY	MITIGATION SCHEDULE	MONITORING RESPONSIBILITY <sup>1</sup>	MONITORING ACTIONS/ SCHEDULE
	<b>D VISUAL QUALITY AND URBAN DESIGN</b>				
<b>North/ South</b>	D.1 <u>Lighting and Glare</u> Design parking structure lighting to minimize off-site glare. The design could include 45-degree cutoff angles on light fixtures to focus light within the site, and specifications that spill lighting from parking areas would be 0.25 foot-candle or less at 5 feet from the property line of the parking areas. Applies to individual sites within the Project Area.	Owner, other developers	Submit design specifications as part of plan review and site permit processes	Redevelopment Agency; DBI	Agency and DBI to review designs and specifications as part of Project-level plan review and site permit processes
	D.2 <u>Architectural Resources - Evaluation of Fire Station No. 30</u>				
<b>South</b>	D.2a. Retain an architectural historian to prepare an evaluation of the architectural integrity and historical importance of Fire Station No. 30 prior to development on this site. If the building is determined to be eligible for the National Register, preserve, rehabilitate, and reuse the building in a manner that is consistent with the Secretary of the Interior=s guidelines for historic preservation.	Fire Department	Prior to alteration or demolition of structure	Redevelopment Agency; Planning Department, Environmental Review Officer (ERO); San Francisco Landmarks Preservation Advisory Board (LPAB), President	Agency to require evaluation as part of Project-level plan review prior to demolition or alteration of structure; Agency to consult with OER, LPAB regarding evaluation
<b>South</b>	D.2b. If Fire Station No. 30 is found to be eligible for the National Register, require the following mitigation measures to reduce (though not eliminate) the significant impact prior to demolition of the structure:  Prepare a AHistorical American Building Survey,@ including the precise recording of the structure through measurements, drawings, and photographs	Fire Department	Prior to alteration or demolition of structure	Redevelopment Agency; Planning Department, ERO; LPAB President	Agency to require implementation of measures as part of Project-level

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	<p>Provide sufficient detail in the survey documentation so that after demolition the historical structure could be reconstructed from the survey data</p> <p>File copies of the records and documents with the appropriate federal, state, and city agencies</p> <p>Include salvage and selective re-use of building materials in the mitigation program once the survey has been completed</p> <p>Upon completion, provide a copy of the report to the San Francisco Planning Department, the President of the San Francisco Landmarks Preservation Advisory Board, and the San Francisco Redevelopment Agency.</p>				<p>plan review; Agency to consult with OER, LPAB</p>
North / South	<p>D.3 <u>Archaeological Resources</u></p> <p>Retain the services of an archaeologist, because of the strong possibility of encountering the remains of cultural or historic artifacts or features in the six historic resources areas. The Environmental Review Officer (ERO) in consultation with the President of the Landmarks Preservation Advisory Board (LPAB) and the archaeologist would determine: 1) whether the archaeologist should instruct all excavation and foundation crews on the project site of the potential for discovery of historic archaeological deposits and artifacts, and the procedures to be followed if such materials are uncovered; and 2) prior to the commencement of foundation excavation, a program of archaeological testing.</p> <p>Retain a qualified historic archaeologist to supervise a pre-foundation excavation testing program for each phase of Project Area development or each construction site, as appropriate, using a series of mechanical, exploratory borings or other testing methods determined by the archaeologist to be appropriate. A qualified historical archaeologist would supervise the testing in the six historic resource areas to determine the probability of finding cultural and historical remains. At the completion of the archaeological testing program, the archaeologist would submit a written report first and directly to the ERO and the President of the LPAB, with a copy to the project sponsor, which describes the findings, assesses their significance and proposes appropriate recommendations for any additional procedures necessary for the mitigation of adverse impacts to cultural resources determined to be significant.</p> <p>Retain a certified archaeologist to supervise a program of on-site monitoring during site excavation in the six historic resource areas, following site clearance and pre-excavation testing. The certified archaeologist would record observations in a permanent log. Should cultural or historic artifacts be found following commencement of excavation activities, the archaeologist would assess the significance of the find, and immediately report to the ERO and the President of LPAB. Upon receiving the advice of the consultant and the LPAB, the ERO would recommend specific mitigation measures, if necessary. The monitoring program, whether or not there are finds of significance, would result in a written report to be submitted first and directly to the ERO and the President of the LPAB, with a copy to the project sponsor.</p>	Owner, other developers	Prior to excavation; ongoing activities and reporting as required by measure	Redevelopment Agency; Planning Department, ERO; LPAB President	<p>Agency to require retention of archaeologist prior to excavation as part of Project-level plan review; ongoing monitoring as required by measure</p>

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	<p>Suspend excavation or construction activities which might damage discovered cultural resources for a total maximum of four weeks over the course of construction at each site to permit inspection, recommendation and retrieval, if appropriate.</p> <p>Implement an appropriate security program to prevent looting or destruction, if cultural resources of potential significance are discovered. Any discovered cultural artifact assessed as significant by the archaeologist upon concurrence by the ERO and the President of the LPAB would be placed in a repository designated for such materials or possibly exhibited in a public display. Following approval of the archaeological testing and monitoring program reports by the ERO and the President of LPAB, a final report would be sent to the California Archaeological Site Survey Office at Sonoma State University, the Foundation for San Francisco=s Architectural Heritage and the State Office of Historic Preservation. The Office of Environmental Review would receive three final copies of the final archaeological findings report. Archaeological testing could be coordinated with other site investigations for geotechnical and toxic waste purposes.</p>				
	<p><u>D.4 Archaeological Exploration Program</u></p> <p>Develop archaeological exploration programs, consistent with Measure D.3, above, for pre-identified sensitive historic archaeological areas that should include the following:</p>	Owner, other developers	Prior to excavation; ongoing implementation as required by measure	Redevelopment Agency; Planning Department, ERO; LPAB President	Agency to require program prior to excavation as part of Project-level plan review; ongoing monitoring and consultation with LPAB and OER as required by measure
North / South	<p>D.4a. Define specific research parameters and prepare a written study plan in consultation with the ERO and LPAB prior to subsurface exploration, with emphasis on National Register determination of historical significance and the maximum retrieval of archaeological data</p>	Owner, other developers	Prior to excavation; ongoing implementation as required by measure	Redevelopment Agency; Planning Department, ERO; LPAB President	Agency to require program prior to excavation as part of Project-level plan review; ongoing monitoring and consultation with LPAB and

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					OER as required by measure
North / South	D.4b. Examine large-scale exposure of soil profiles	Owner, other developers	Ongoing implementation as required by measure	Redevelopment Agency; Planning Department, ERO; LPAB President	Agency to require program prior to excavation as part of Project-level plan review; ongoing monitoring and consultation with LPAB and OER as required by measure
North / South	D.4c. Complete detailed field records, including photographs and drawings, to document subsurface soil profiles, archaeological deposits and integrity of such deposits	Owner, other developers	Ongoing implementation as required by measure	Redevelopment Agency; Planning Department, ERO; LPAB President	Agency to require program prior to excavation as part of Project-level plan review; ongoing monitoring and consultation with LPAB and OER as required by measure
North / South	D.4d. Complete a detailed report of findings to describe research and exploration methodologies, testing results, all archaeological findings and recommendations for resource management.	Owner, other developers	Ongoing implementation as required by measure	Redevelopment Agency; Planning Department, ERO; LPAB President	Agency to require program prior to excavation as part of Project-level plan review; ongoing monitoring and



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					consultation with LPAB and OER as required by measure
North / South	<p>D.5 <u>Archaeological Monitoring at 19th Century City Dump</u></p> <p>Archival review suggests that depositional integrity of the late 19th-century city dump has been lost because of scavenging while the dump was in operation; however, important historical artifacts may still be present. Pre-construction archaeological testing is therefore not recommended. Archaeological monitoring during construction would be the appropriate mitigation measure for that area. Therefore, retain the services of a qualified archaeologist. The ERO in consultation with the President of the LPAB and the archaeologist would determine whether the archaeologist should instruct all excavation and foundation crews in the area of the 19th-century city dump of the potential for discovery of cultural and historic artifacts or features. If such artifacts or features were uncovered, follow procedures described in Measure D.3 for suspension of construction activities, notification of the ERO and President of the LPAB, and development recovery measures, as appropriate.</p>	Owner, other developers	During construction, ongoing implementation as required by measure	Redevelopment Agency; Planning Department, ERO; LPAB President	Agency to require prior to excavation as part of Project-level plan review; ongoing monitoring and consultation as required by measure
North / South	<p>D.6 <u>Unknown Archaeological Remains</u></p> <p>The entire Mission Bay Project Area has at least some sensitivity for the presence of unknown archaeological remains. Prehistoric cultural deposits could be encountered in three identified areas and unknown historical features, artifact caches and debris areas could be located anywhere in the Project Area. Follow procedures for instructing excavation crews, notifying the ERO and President of the LPAB, and developing recovery measures, as described in Measure D.3, above. In addition, in the event that prehistoric archaeological deposits are discovered, consult local Native American organizations. Dialogue with the ERO, LPAB and the archaeological consultant would take place in developing acceptable archaeological testing and excavation procedures, particularly in regard to the disposition of cultural materials and Native American burials.</p>	Owner, other developers	Prior to excavation; ongoing implementation as required by measure	Redevelopment Agency; Planning Department, ERO; LPAB President	Agency to require prior to excavation as part of Project-level plan review; ongoing monitoring and consultation as required by measure
North / South	<p>D.7 <u>Pedestrian-Level Winds</u></p> <p>Require a qualified wind consultant to review specific designs for buildings 100 feet or more in height for potential wind effects. The Redevelopment Agency would conduct wind review of high-rise structures above 100 ft. Wind tunnel testing would also be required unless, upon review by a qualified wind consultant, and with concurrence by the Agency, it is determined that the exposure, massing and orientation of the buildings are such that impacts, based on a 26-mile-per-hour hazard for a single hour of the year criterion, will not occur. The purpose of the wind tunnel studies is to determine design-specific impacts and to provide a basis for design modifications to mitigate these impacts. Projects within Mission Bay, including UCSF, would be required to meet this standard or to mitigate exceedances through building design.</p>	Owner, other developers	Conduct evaluation and provide any required documentation as part of Project-level submission	Redevelopment Agency	Agency to review as part of Project-level plan review

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North / South	<p>D.8 <u>Shadows</u></p> <p>The Redevelopment Plan documents would require analysis of potential shadows on existing and proposed open spaces during the building design and review process when exceptions to certain standards governing the shape or locations of buildings are requested that would cause over 13% of Mission Creek Park (either North or South), 20% of Bayfront Park, 17% of Triangle Square or 11% of Mission Bay Commons to be in continuous shadow for a period of one hour from March to September between 10:00 a.m. and 4:00 p.m.</p>	Owner, other developers	Provide any required documentation as part of Project-level submission	Redevelopment Agency	Agency to review as part of Project-level plan review
	<p>E. <u>TRANSPORTATION</u></p>				
	<p>E.1 <u>Third Street/King Street</u></p>				
North / South	<p>E.1a. Widen the northbound approach to provide an additional through lane on the west side of Third Street.</p>	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; Department of Parking and Traffic (ADPT@)	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North / South	<p>E.1b. Reconfigure the existing traffic signal.</p>	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project

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					cumulative development thresholds at Major Phase and/or Project-level plan review
North / South	E.1c. Install ADon=t Block the Box@ signs.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.2 <u>Third Street/Berry Street</u>				
North / South	E.2a. Restripe the northbound approach to provide an additional through lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at

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					Major Phase and/or Project-level plan review
North / South	E.2b. Reconfigure the existing traffic signal.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North / South	E.2c. Install ADon=t Block the Box@ signs.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review

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	E.3 <u>Third Street/Owens Street</u>				
South	E.3a. Install a new traffic signal.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.4 <u>Third Street/The Common</u>				
South	E.4a. Install new traffic signals.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.5 <u>Third Street/South Street</u>				

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South	E.5a. Install a new traffic signal.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.6 <u>Third Street/16th Street</u>				
South	E.6a. Widen the northbound approach to provide two exclusive left-turn lanes.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.6b. Reconfigure the existing traffic signal.	Owner	Provide trip generation calculations and Infrastructure adjacency	Redevelopment Agency; DPW; DPT	Include in applicable subdivision

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			information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review		improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.7 <u>Third Street/Mariposa Street</u>				
South	E.7a. Widen the eastbound approach to provide an additional through lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.7b. Widen and restripe the westbound approach to provide an exclusive left-turn lane and an additional through lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions

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			thresholds as part of Major Phase and/or Project-level plan review		and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.7c. Reconfigure the existing traffic signal.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.8 <u>Fourth Street/King Street</u>				
North	E.8a. Widen the eastbound approach to provide an exclusive right-turn lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by



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					adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North	E.8b. Reconfigure the existing traffic signal.	Owner; PTC, if PTC elects to commence service before Owner's obligation to construct is otherwise triggered	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North	E.8c. Install ADon=t Block the Box@ signs.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development

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					thresholds at Major Phase and/or Project-level plan review
	E.9 <u>Fourth Street/Berry Street</u>				
North	E.9a. Restripe the westbound approach to provide an additional lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North	E.9b. Restripe the northbound approach to provide an additional lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-

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					level plan review
North	E.9c. Reconfigure the existing traffic signal.	Owner; PTC if PTC elects to commence service before Owner's obligation to construct is otherwise triggered	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North	E.9d. Install ADOn=t Block the Box@ signs.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.10 Fourth Street/Owens Street				
South	E.10a. Install a new traffic signal.	Owner	Provide trip generation	Redevelopment Agency;	Include in

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			calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	DPW; DPT	applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	<u>E.11 Fourth Street/UCSF private street</u>				
South	E.11a. Install a new traffic signal.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	<u>E.12 Fourth Street/16th Street</u>				
South	E.12a. Install a new traffic signal.	Owner	Provide trip generation calculations and Infrastructure adjacency	Redevelopment Agency; DPW; DPT	Include in applicable subdivision

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			information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review		improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.13 Fourth Street/Mariposa Street				
South	E.13a. Widen the eastbound and westbound approaches to provide exclusive left-turn lanes.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.13b. Install a new traffic signal.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions

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			thresholds as part of Major Phase and/or Project-level plan review		and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.14 Seventh Street/16th Street				
South	E.14a. Remove on-street parking on all approaches.	DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.14b. Restripe the northbound and eastbound approaches to provide an additional through lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by

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					adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.14c. Restripe the southbound approach to provide an additional through lane and an exclusive left-turn lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.14d. Restripe the westbound approach to provide an additional through lane and a right-turn pocket.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development

	MITIGATION MEASURE	MITIGATION RESPONSIBILITY	MITIGATION SCHEDULE	MONITORING RESPONSIBILITY <sup>1</sup>	MONITORING ACTIONS/ SCHEDULE
					thresholds at Major Phase and/or Project-level plan review
South	E.14e. Install a new traffic signal.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.14f. Provide the appropriate traffic warning devices for the Caltrain track crossing.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; JPB; CPUC; Caltrain	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan



	MITIGATION MEASURE	MITIGATION RESPONSIBILITY	MITIGATION SCHEDULE	MONITORING RESPONSIBILITY <sup>1</sup>	MONITORING ACTIONS/ SCHEDULE
					review
	E.15 <u>Owens Street/16th Street</u>				
South	E.15a. Install a new traffic signal.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT; Caltrans	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.16 <u>Owens Street/Mariposa Street/I-280 Off-ramp</u>				
South	E.16a. Widen the eastbound approach to provide an exclusive left-turn lane.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT; Caltrans	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review

	MITIGATION MEASURE	MITIGATION RESPONSIBILITY	MITIGATION SCHEDULE	MONITORING RESPONSIBILITY <sup>1</sup>	MONITORING ACTIONS/ SCHEDULE
South	E.16b. Reconfigure the existing traffic signal.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT; Caltrans; Caltrain, JPB	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.17 <u>I-280 On-ramp/Mariposa Street</u>				
South	E.17a. Widen the westbound approach to provide an exclusive left-turn lane.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT; Caltrans	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.17b. Install a new traffic signal.	Subject to regulatory approvals, Owner to construct; City to apply for	Provide trip generation calculations and Infrastructure adjacency	Redevelopment Agency; DPW; DPT; Caltrans	Include in applicable subdivision

	MITIGATION MEASURE	MITIGATION RESPONSIBILITY	MITIGATION SCHEDULE	MONITORING RESPONSIBILITY <sup>1</sup>	MONITORING ACTIONS/ SCHEDULE
		approvals	information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review		improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.18 Seventh Street/The Common				
South	E.18a. Install a new traffic signal.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT; Caltrain; CPUC; JPB	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.18b. Provide the appropriate traffic warning devices for the Caltrain railroad track at-grade crossing.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency	Redevelopment Agency; DPW; DPT; Caltrain; CPUC; JPB	Include in applicable subdivision improvement plans; review submissions

	MITIGATION MEASURE	MITIGATION RESPONSIBILITY	MITIGATION SCHEDULE	MONITORING RESPONSIBILITY <sup>1</sup>	MONITORING ACTIONS/ SCHEDULE
			thresholds as part of Major Phase and/or Project-level plan review		and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	<u>E.19 Fifth Street/King Street</u>				
North	E.19a. Narrow approximately 250 feet of the median on the westbound approach to provide an exclusive left-turn lane.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT; Caltrans	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North	E.19b. Restripe the I-280 off-ramp touchdown and narrow the median on the south side of King Street for a distance of about 300 feet beginning at the intersection with Fifth Street, to increase the number of eastbound lanes from the existing two to three.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT; Caltrans	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by

	MITIGATION MEASURE	MITIGATION RESPONSIBILITY	MITIGATION SCHEDULE	MONITORING RESPONSIBILITY <sup>1</sup>	MONITORING ACTIONS/ SCHEDULE
					adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North	E.19c. Reconfigure the existing traffic signal.	Subject to regulatory approvals, Owner to construct	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT; Caltrans	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.21 Third Street				
North/ South	E.21a. Widen the west side of Third Street between Berry Street and King Street to accommodate the additional lanes described in Measure E.1.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North/	E.21b. Widen Third Street for approximately one-third the distance between Mariposa Street and 16th Street to accommodate the lane configuration described in	Owner	Provide trip generation calculations and	Redevelopment Agency; DPW; DPT	Include in applicable

South	Measure E.6.		Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review		subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North/ South	E.21c. In cooperation with the Public Transportation Commission (APTC@) and the Department of Public Works, reconfigure Third Street in the Project Area to accommodate the Third Street light rail transit median while maintaining two travel lanes in each direction and exclusive left-turn lanes at specific locations, as listed in Measures E.6 and E.7.	Owner, as allocated in Infrastructure Plans	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; PTC; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.22 <u>Mariposa Street</u>				
South	E.22a. Widen Mariposa Street between Terry A. François Boulevard and Pennsylvania Street, including the bridge over the Caltrain tracks.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT; Caltrain; CPUC; JPB	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.23 <u>Fourth Street</u>				
North / South	E.23a. Widen Fourth Street between China Basin Channel and King Street to accommodate the Third Street light rail tracks and a MUNI station platform between	Owner, PTC as allocated in Infrastructure Plans	Provide trip generation calculations and	Redevelopment Agency; DPW; PTC; DPT	Include in applicable

	Berry and King Streets.		Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review		subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North / South	E.23b. Extend Fourth Street southward, parallel to Third Street, to intersect with Mariposa Street at the existing intersection with Minnesota Street.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.24 King Street				
North	E.24a. Widen eastbound King Street between Fifth and Fourth Streets to accommodate the lane configurations for the Fourth Street/King Street intersection in Measure E.8.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North	E.24b. Construct westbound King Street frontage road between Fifth Street and Berry Street.	Owner	Provide trip generation calculations and Infrastructure adjacency	Redevelopment Agency; DPW; DPT	Include in applicable subdivision

			information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review		improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	<u>E.25 Owens Street</u>				
<b>South</b>	E.25a. Construct Owens Street between Third and Fourth Streets, providing a median approximately 24 feet wide to accommodate the MUNI Third Street light rail line, with no on-street parking.	Owner, PTC as allocated in Infrastructure Plans	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; PTC; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
<b>South</b>	E.25b. Construct Owens Street between Fourth Street and The Common, providing on-street parking on the north side of the street only.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
<b>South</b>	E.25c. Extend Owens Street northward from 16th Street to The Common, providing no on-street parking.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans;



			improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review		review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.25d. Construct Owens Street between 16th Street and Mariposa Street, providing no on-street parking.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.26 North Common and South Common Streets connection to Seventh Street				
South	E.26a. Construct an Aat-grade@ connection to Seventh Street across Caltrain tracks, in conjunction with Measure E.18 for the new intersection.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT; Caltrain; JPB; CPUC	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.26b. Prohibit parking at trolleybus stops for the 22-Fillmore line east of Third Street where bus line is extended.	DPT, in consultation with PTC	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on	Redevelopment Agency; DPW; DPT; PTC	Include in applicable subdivision improvement plans; review submissions

			cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review		and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
<b>South</b>	<p><u>E.27 MUNI Line 22-Fillmore</u></p> <p>Reroute the MUNI 22-Fillmore trolleybus line to travel on 16th Street to Third Street, and then north on Third Street to The Common. If not already accomplished, install trolleybus wire support poles and/or eyebolts on buildings along the new route, and complete North Common Street and South Common Street east of Third Street. Prohibit parking on North Common and South Common Streets at trolleybus stops.</p>	Owner, PTC, DPT as allocated in Infrastructure Plans	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; PTC; DPW	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
<b>South</b>	<p><u>E.28 MUNI Line 30-Stockton or 45-Union/Stockton</u></p> <p>Extend about half of the 30-Stockton or the 45-Union/Stockton trolley buses south and east of the current terminus at the Caltrain terminal to the current terminus of the 22-Fillmore line, at the same time that the 22-Fillmore is rerouted as called for in Measure E.27. Route trolley buses to Connecticut Street via Townsend or Mission Bay Street, and then east to a new terminus near Third and 20th Streets. The coordination of Measure E.27 with E.28, to provide extended MUNI trolleybus service to Mission Bay by rerouting the 22-Fillmore and 30-Stockton or 30/45-Union/Stockton lines, shall be accomplished in phases, if necessary, to provide service as early in project development as MUNI service may be needed. The phases may include:</p>	Owner, PTC as allocated in Infrastructure Plans	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; PTC	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
<b>South</b>	<p>E.28.a. Construct Mission Bay Street, the Seventh Street Connector to North and South Common Streets and the Caltrain at-grade rail crossing, and the portion of North and South Common Streets east of Third Street, early enough in project development to accommodate MUNI trolleybus travel, including poles and eyebolts supporting trolley wires, and provide poles and/or eyebolts supporting trolley wires along 16th Street and a portion of Common Streets in the Project Area, as described in Measure E.27 and above in this Measure; or</p>	Subject to regulatory approvals, Owner, PTC as allocated in Infrastructure Plans	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level	Redevelopment Agency; DPW; PTC; Caltrain; CPUC; JPB	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or

			plan review		project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.28.b. If item E.28a is not feasible sufficiently early in project development, for an interim period until the necessary streets and trolley wires have been constructed as part of adjacent development, construct the portion of North and South Common Streets east of Third Street and install poles and/or eyebolts supporting trolley wires along the new route for the 22-Fillmore, and extend some but not all of the trolleybuses, so that both Mission Bay and Lower Potrero areas continue to be served. This measure involves only limited service to Mission Bay; or	Owner, PTC as allocated in Infrastructure Plans	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; PTC	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.28.c. If item E.28a is not feasible sufficiently early in project development, for an interim period until the necessary streets and trolley wires have been constructed as part of adjacent development, provide service to Mission Bay temporarily using diesel buses on 16 <sup>th</sup> Street; or	PTC	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; PTC	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.28.d. Use a combination of items E.28b and E.28c to provide MUNI trolley bus service to both the Mission Bay and Lower Potrero areas until necessary streets and trolley wires have been constructed as part of adjacent development in the Project Area.	Owner, PTC; responsibility as allocated for E.28.b and E.28.c	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; PTC	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major

					Phase and/or Project-level plan review
	<u>E.29 Seventh Street/Brannan Street</u>				
<b>South</b>	E.29a. Restripe the northbound approach to provide three lanes.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	<u>E.30 Seventh Street/Townsend Street</u>				
<b>North</b>	E.30.a. Restripe the southbound, eastbound, and westbound approaches to provide a left-turn lane, a through lane, and a right-turn lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
<b>North</b>	E.30.b. Restripe the northbound approach to provide a left turn lane, a through lane, and a shared right-through lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major

					Phase and/or Project-level plan review
	<u>E.31 Seventh Street/Berry Street</u>				
North	E.31.a. Restripe the eastbound approach to provide two lanes.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North	E.31.b. Restripe the northbound approach to provide a shared left-through lane and a through lane and restripe the southbound approach to provide a through lane and a shared right-through lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	<u>E.32 Seventh Street/North and South Common Streets</u>				
South	E.32a. Restripe the northbound approach to provide two through lanes, and a right-turn lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major

					Phase and/or Project-level plan review
South	E.32.b. Restripe the southbound approach to provide two through lanes, and a left-turn lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.33 <u>16th Street/Potrero Street</u> Restripe the eastbound and westbound approaches to provide a left-turn lane, a through lane and a shared right-through lane.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
South	E.34 <u>16th Street/Vermont Street</u> Install a new traffic signal.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review

North	E.35 <u>Eighth Street/Townsend Street</u> E.35.a. Eliminate traffic circle and reconfigure intersection.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North	E.35.b. Install a new traffic signal.	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.36 <u>Third Street/Townsend Street</u>				
North	E.36.a. Remove the on-street parking on the westbound approach during the p.m. peak commute period.	DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North	E.36.b. Provide an additional westbound through lane during the p.m. peak commute period.	DPT	Provide trip generation	Redevelopment Agency;	Include in

			calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	DPT	applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North	<p>E.38 <u>Fourth Street/King Street</u></p> <p>Widen the southbound approach to provide an additional lane, and restripe the intersection to provide one exclusive left-turn lane, one exclusive through lane, one shared right-through lane, and an exclusive right-turn lane for the southbound Fourth Street approach.</p>	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North	<p>E.41 <u>Fourth Street</u></p> <p>Widen the west side of Fourth Street for approximately half the distance between Townsend Street and King Street to provide the additional southbound lane noted in Mitigation Measure E.38, including providing additional right-of-way.</p>	Owner	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; DPW; DPT	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North / South	<p>E.42 <u>Seventh Street</u></p> <p>Eliminate on-street parking on both sides of Seventh Street between Townsend and 16th Streets during the morning and afternoon peak commute periods to accommodate the lane</p>	DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any	Redevelopment Agency; DPT; Caltrain; JPB; CPUC	Include in applicable subdivision improvement plans;



	configuration changes described in Mitigation Measures E.29, E.30, E.31, and E.32.		improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review		review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
North/ South	E.45 <u>Extend N-Judah MUNI Metro Line</u>  Extend and operate the route of the N-Judah MUNI Metro line from the Embarcadero station to Mariposa Street, using the MMX and Third Street light rail tracks.	PTC	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	Redevelopment Agency; PTC	Include in applicable subdivision improvement plans; review submissions and determine whether triggered by adjacency or project cumulative development thresholds at Major Phase and/or Project-level plan review
	E.46 <u>Transportation Management Organizations</u>				
North/ South	E.46.a Form a Mission Bay Transportation Management Association (TMA) to implement a Transportation System Management (TSM) Plan.	Owner	No later than first Major Phase approval	Redevelopment Agency	Confirm establishment as part of first Major Phase approval; Agency to consult with TMA as required; TMA to submit periodic status reports to Agency
North/ South	E.46.b Form a Transportation Coordinating Committee (TCC) including representatives of Project Area property owners, UCSF, SFRA and appropriate City staff, including DPT, MUNI, and DPW, to address area-wide transportation planning issues and coordinate with other uses and neighborhoods in nearby areas.	Agency	No later than first Major Phase approval	Redevelopment Agency; DPW; DPT; PTC	Establish prior to first Major Phase approval; Agency to consult with TMA as required; TMA to submit periodic status reports to Agency
	E.47 <u>Transportation System Management (TSM) Plan</u>	Owner (TMA), other	As identified by TMA;	Redevelopment Agency;	Confirm preparation

North/ South	Prepare a TSM Plan, which could include the following elements:	developers	ongoing review with Agency	DPT; PTC	of TSM Plan prior to first Major Phase approval; Agency to consult with TMA as required; TMA to submit periodic status reports to Agency
North/ South	E.47.a. <u>Shuttle Bus System</u> Operate shuttle bus service between Mission Bay and regional transit stops in San Francisco (e.g., BART, Caltrain, Ferry Terminal, Transbay Transit Terminal), and specific gathering points in major San Francisco residential neighborhoods (e.g., Richmond and Mission Districts).	Owner (TMA)	As identified by TMA; ongoing review with Agency	Redevelopment Agency; DPT; PTC	TMA to submit periodic status reports to Agency
North/ South	E.47.b. <u>Transit Pass Sales</u> Sell transit passes in neighborhood retail stores and commercial buildings in the Project Area.	Owner (TMA); other developers	As identified by TMA; ongoing review with Agency	Redevelopment Agency, DPT; PTC	TMA to submit periodic status reports to Agency
North/ South	E.47.c. <u>Employee Transportation Subsidies</u> Provide a system of employee transportation subsidies for major employers.	Owner (TMA); major employers	As identified by TMA; ongoing review with Agency	Redevelopment Agency; DPT; PTC	TMA to submit periodic status reports to Agency
South	E.47.d. <u>Pedestrian Signals at Owens Street Near the Pedestrian Bridge.</u> Pedestrian signals at this location will provide continuity between the pedestrian bridge near Fifth Street and the pedestrian path adjacent to Owens Street, and the residential units in the central subarea of Mission Bay South.	Owner (TMA)	As identified by TMA; ongoing review with Agency	Redevelopment Agency	TMA to submit periodic status reports to Agency
North/ South	E.47.e. <u>Secure Bicycle Parking</u> Provide secure bicycle parking areas in parking garages of residential buildings, office buildings, and research and development facilities. Provide secure bicycle parking areas by 1) constructing secure bicycle parking at a ratio of 1 bicycle parking space for every 20 automobile parking spaces, and 2) carrying out an annual survey program during project development to establish trends in bicycle use and to estimate demand for secure bicycle parking and for sidewalk bicycle racks, increasing the number of secure bicycle parking spaces or racks either in new buildings or in existing automobile parking facilities to meet the estimated demand.  Provide secure bicycle racks throughout Mission Bay for the use of visitors.	Owner (TMA), other developers	As identified by TMA; ongoing review with Agency	Redevelopment Agency	TMA to submit periodic status reports to Agency, including annual bicycle survey
North/ South	E.47.f. <u>Appropriate Street Lighting.</u> Ensure that sidewalks in Mission Bay are sufficiently lit to provide pedestrians and bicyclists with a greater sense of safety, and thereby encourage Mission Bay employees, visitors, and residents to walk and bicycle to and from Mission Bay.	Owner (TMA)	As identified by TMA; ongoing review with Agency	Redevelopment Agency	TMA to submit periodic status reports to Agency
North/	E.47.g. <u>Transit, Pedestrian and Bicycle Route Information</u> Provide maps of the local and citywide pedestrian and bicycle routes with transit maps	PTC, DPW to provide in connection with transit	In conjunction with transit shelter and signage plans	PTC; DPW	In conjunction with transit shelter and

South	and information on kiosks throughout the Project Area to promote multi-modal travel.	shelters and other transit signage			signage planning process
North/ South	E.47.h. <u>Parking Management Guidelines</u> Establish parking management guidelines for the private operators of parking facilities in the Project Area.	Owner (TMA)	As identified by TMA; ongoing review with Agency	Redevelopment Agency	TMA to submit periodic status reports to Agency
South	E.47.i <u>Flexible Work Time/Telecommuting</u> Where feasible, offer employees in the Project Area the opportunity to work on flexible schedules and/or telecommute so they could avoid peak hour traffic conditions.	Owner (TMA); other major employers	As warranted by development; ongoing review with Agency	Redevelopment Agency	TMA to submit periodic status reports to Agency
North/ South	E.49 <u>Ferry Service</u> Make a good faith effort to assist the Port of San Francisco and others in ongoing studies of the feasibility of expanding regional ferry service. Make good faith efforts to assist in implementing feasible study recommendations.	Owner (TMA)	As identified by TMA; ongoing review with Agency	Redevelopment Agency; Port	TMA to submit periodic status reports to Agency
	<b>F. <u>AIR QUALITY</u></b>				
North/ South	F.1 <u>TSM Measures</u> Implement measures to decrease vehicle trips, as described in Mitigation Measures E.46 through E.50 in Section VI.E, Mitigation Measures: Transportation	See Measures E.46-E.50	See Measures E.46-E.50	See Measures E.46-E.50	See Measures E.46-E.50
North/ South	F.2 <u>Construction PM<sub>10</sub></u> As conditions of construction contracts, require contractors to implement the following mitigation program, based on the instructions in the BAAQMD CEQA Guidelines, at all construction sites within the Project Area:	Owner, other developers	During construction	DPW; DBI	DPW/DBI to require evidence of compliance through site permit process
	F.2.a. Water all active construction areas at least twice a day, or as needed to prevent visible dust plumes from blowing off-site	Owner, other developers	During construction	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit process
	F.2.b. Use tarpaulins or other effective covers for on-site storage piles and for haul trucks that travel on streets	Owner, other developers	During construction	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit process
	F.2.c. Pave, apply water three times daily, or apply (non-toxic) soil stabilizers on all <i>unpaved</i> parking areas and staging areas at construction sites	Owner, other developers	During construction	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit process
	F.2.d. Sweep all <i>paved</i> access routes, parking areas, and staging areas daily (preferably with water sweepers)	Owner, other developers	During construction	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit

					process
	F.2.e.Sweep streets daily (preferably with water sweepers) if visible amounts of soil material are carried onto public streets	Owner, other developers	During construction	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit process
	F.2.f. Hydroseed or apply (non-toxic) soil stabilizers to inactive construction areas (previously graded areas inactive for ten days or more)	Owner, other developers	During construction	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit process
	F.2.g.Enclose, cover, water twice daily or apply (non-toxic) soil binders to exposed stockpiles (dirt, sand, etc.)	Owner, other developers	During construction	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit process
	F.2.h. Limit traffic speeds on unpaved roads to 15 mph	Owner, other developers	Implement through site permit process	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit process
	F.2.i. Install sandbags or other erosion control measures to prevent silt runoff to public roadways	Owner, other developers	Implement through site permit process	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit process
	F.2.j. Replant vegetation in disturbed areas as quickly as possible	Owner, other developers	Implement through site permit process	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit process
	F.2.k.Install wheel washers for all exiting trucks, or wash off the tires or tracks of all trucks and equipment leaving the site	Owner, other developers	Implement through site permit process	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit process
	F.2.l. Install wind breaks, or plant trees / vegetative wind breaks at windward side(s) of construction areas	Owner, other developers	Implement through site permit process	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit process
	F.2.m. Suspend excavation and grading on large construction sites when winds (instantaneous gusts) exceed 25 mph	Owner, other developers	Implement through site permit process	DPW; DBI	Agency, DPW/DBI to require evidence of compliance

					through site permit process
	F.2.n.Limit the area subject to excavation, grading and other construction activity at any one time	Owner, other developers	Implement through site permit process	DPW; DBI	Agency, DPW/DBI to require evidence of compliance through site permit process
<b>North/ South</b>	F.3 <u>Toxic Air Contaminants (TACs)</u>  Prior to issuing a certificate of occupancy for a facility containing potential toxic air contamination sources, obtain written verification from BAAQMD either that the facility has been issued a permit from BAAQMD, if required by law, or that permit requirements do not apply to the facility	Owner, other owners	Prior to issuance of Certificate of Occupancy for relevant facilities	DBI	Agency, DBI to require verification prior to issuance of Certificate of Occupancy in consultation with DPH
<b>South</b>	F.4 <u>Meteorology Station</u>  As soon as possible, to provide reliable wind data for informational purposes, and where applicable, to facilitate the preparation of risk assessment studies, locate and maintain a meteorology station at an appropriate location within the Project Area.	Owner and/or UCSF	Implement through site planning process as part of first UCSF construction phase or other construction phase	Redevelopment Agency; BAAQMD; DPH	Review as part of site planing process for first construction phase; consult with Redevelopment Agency, BAAQMD, DPH
	F.4.a.Hire a contractor to select appropriate sites for location of the meteorology station to ensure accuracy of data. Preferably the site would be located at a first phase building at the UCSF site, which is centrally located in the Project Area	Owner and/or UCSF	Implement through site planning process as part of first UCSF construction phase or other construction phase	Redevelopment Agency; BAAQMD; DPH	Review as part of site planning process for first construction phase; consult with Redevelopment Agency, BAAQMD, DPH
	F.4.b.Once site selections are recommended, contact the BAAQMD for consultation and comment on the sites	Owner and/or UCSF	Implement through site planning process as part of first UCSF construction phase or other construction phase	Redevelopment Agency; BAAQMD; DPH	Review as part of site planning process for first construction phase; consult with Redevelopment Agency, BAAQMD, DPH
	F.4.c. Hire a contractor to select certified equipment and software	Owner and/or UCSF	Implement through site planning process as part of first UCSF construction phase or other construction phase	Redevelopment Agency; BAAQMD; DPH	Review as part of site planning process for first construction phase; consult with Redevelopment Agency, BAAQMD,

					DPH
	F.4.d. Consult the BAAQMD on the equipment and software that is selected prior to purchase	Owner and/or UCSF	Implement through site planning process as part of first UCSF construction phase or other construction phase	Redevelopment Agency; BAAQMD; DPH	Review as part of site planning process for first construction phase; consult with Redevelopment Agency, BAAQMD, DPH
	F.4.e. Construct and site the station according to BAAQMD standards (written guidelines may be obtained from the District)	Owner and/or UCSF	Implement through site planning process as part of first UCSF construction phase or other construction phase	Redevelopment Agency; BAAQMD; DPH	Review as part of site planning process for first construction phase; consult with Redevelopment Agency, BAAQMD, DPH
	F.4.f. Provide data from the station to the BAAQMD on a real-time basis	Owner and/or UCSF	Implement through site planning process as part of first UCSF construction phase or other construction phase	Redevelopment Agency; BAAQMD; DPH	Review as part of site planning process for first construction phase; consult with Redevelopment Agency, BAAQMD, DPH
	F.4.g. At a minimum, take continuous wind speed and direction measurements for a period of at least two years	Owner and/or UCSF	Implement through site planning process as part of first UCSF construction phase or other construction phase	Redevelopment Agency; BAAQMD; DPH	Review as part of site planning process for first construction phase; consult with Redevelopment Agency, BAAQMD, DPH
North/ South	F.5 <u>Dry Cleaning Facilities</u>  Prohibit dry cleaning facilities that conduct on-site dry cleaning operations in residential areas within the Project Area. For any dry cleaning operations with the Project Area, require vapor barriers in their design and construct so as to reduce exposure to perchloroethylene and any other toxic air contaminants handled at the facility.	Owner, other developers; Redevelopment Agency	Implement as part of Project-level review	Redevelopment Agency; DPH; BAAQMD	Agency to review land uses as part of Project-level review and consult with DPH, DBI and BAAQMB regarding any vapor barrier requirements
North/	F.6 <u>Child-Care Buffer Zones</u>  Require preschool and childcare centers to notify BAAQMD and the San Francisco Department of Public Health regarding the locations of their operations, and require these	Owner, other developers	Implement as part of Project-level review	Redevelopment Agency; DPH; BAAQMD	Agency to review land uses as part of Project-level review

South	centers to consult with these agencies regarding existing and possible future stationary and mobile sources of toxic air contaminants. The purpose of these consultations is to obtain information so that preschool and childcare centers can be located to minimize potential impacts from toxic air contaminants emissions sources.				and require evidence of consultation prior to inclusion of such uses in a Major Phase or Project
	<b>G. NOISE AND VIBRATION</b>				
North/ South	G.1 <u>Noise Reduction in Pile Driving</u>  Use noise-reducing pile driving techniques such as pre-drilling pile holes (if feasible, based on soils) to the maximum feasible depth, installing intake and exhaust mufflers on piledriving equipment, vibrating piles into place when feasible, installing shrouds around the piledriving hammer where feasible, and restricting the hours of operation.	Owner, other developers	Provide information regarding compliance prior to pile driving	Redevelopment Agency; DPW/DBI	DPW/DBI to review information prior to pile driving as part of site permit process
North	G.2 <u>Analyze Potential Vibrations from Caltrain</u>  Analyze potential vibration from Caltrain on the western-most block of Mission Bay North at Berry and King Streets, adjacent to Caltrain tracks, based on information about localized soils, and, if the analysis shows vibration could be significant without mitigation, design and construct foundations of buildings proposed to be on that block with vibration-reducing features to reduce potential impacts from adjacent passenger trains.	Owner, other developers	Provide information regarding compliance prior to foundation construction	Redevelopment Agency; DPW/DBI	DPW/DBI to review information prior to issuance of site permit
	<b>H. SEISMICITY</b>				
North/ South	H.1 <u>Heavy Equipment Storage</u>  During the build-out period, store heavy construction equipment in the Project Area during the buildout period that is capable of traveling on damaged roads, clearing debris, and opening access to, and within, the Project Area after a major earthquake.	Owner, other developers	Include in emergency response plan; update as necessary	Redevelopment Agency; Office of Emergency Services (OES)	Require emergency response plan prior to issuance of first Certificate of Occupancy; require periodic updates
North/ South	H.2 <u>Emergency Preparedness and Emergency Response</u>  Following build-out, coordinate emergency response plans with the City regarding use of heavy equipment from the City storage yard in the vicinity of the Project Area	Owner, other developers	Include in emergency response plan; update as necessary	Redevelopment Agency; Office of Emergency Services (OES)	Require emergency response plan prior to issuance of first Certificate of Occupancy; require periodic updates
	H.3 <u>Comprehensive Preparedness and Response Plan</u>				
North/ South	H.3.a. Require the formulation of a comprehensive preparedness and response plan for the entire Project Area (as opposed to the typical building-by-building plan), integrated with the City=s emergency response plans and in coordination with the Mayor=s Office of Emergency Services. An emergency response plan should include:  Community coordination and response	Owner	Include in emergency response plan; update as necessary	Redevelopment Agency; OES	Require emergency response plan prior to issuance of first Certificate of Occupancy; require periodic updates

	<p>Coordination with government services</p> <p>Outreach and training (not only for employees but also residents)</p> <p>Food and water</p> <p>Shelter</p> <p>Sanitation</p> <p>Consideration of need and potential locations for special facilities (operations, medical, etc.) in the context of the citywide Emergency Response Plan and the Project Area=s location in Emergency Response District 3</p> <p>Organization of employees into response teams</p> <p>Employee training in response procedures, including setting up a command post, communications, first aid, evacuation, security and clean-up</p>				
<b>North/ South</b>	H.3.b. In addition to the Project Area-wide plan, require each building or complex in the Project Area to prepare an emergency response plan. Each plan would be the responsibility of the owner(s) of each building or complex, and would be reviewed by the City periodically to ensure it is kept up to date.	Owner, other developers	Include in Project-level response plan; update as necessary	Redevelopment Agency; OES	Require prior to issuance of Certificate of Occupancy for each Project; require periodic updates
<b>South</b>	H.4 <u>Fire Station No. 30</u> Provide seismic rehabilitation of Fire Station No. 30 in the Project Area, if the building is to be reused for human occupancy.	Fire Department	See Measures D.1-D.2	See Measures D.1-D.2	See Measures D.1-D.2
<b>South</b>	H.5 <u>New Fire Station</u> At the time the San Francisco Fire Department determines the population or building density is high enough to warrant it, provide a new fire station in Mission Bay South to reduce the effects of limited emergency access to and from the site following a major earthquake.	City; Fire Department; Owner as allocated in South Infrastructure Plan	Owner obligation to transfer site and make available certain funds and City obligation to fund the balance and construct as provided in South Owner Participation Agreement and Infrastructure Plan	Redevelopment Agency; City; Fire Department	As provided in South Owner Participation Agreement and Infrastructure Plan
<b>North/ South</b>	H.6 <u>Facilitate Emergency Access Routes</u> As part of the comprehensive preparedness plan identified in Measure H.3, identify and implement feasible measures to facilitate and improve emergency access routes to the site, especially in the vicinity of Seventh and Owens Streets. Such measures could include design of open spaces to allow vehicle access following in a catastrophic event; designing underground utilities at the Owens and Seventh Streets connector to minimize severe damage or disconnection caused by earthquakes; constructing heavier pavement sections along critical routes if indicated through a geotechnical study; and siting buildings within the area bounded by Seventh Street, the Seventh Street connector, Owens Street, and 16 <sup>th</sup> Street in a manner that would allow emergency vehicle access between these buildings in a catastrophic event.	Owner	Review as part of Major Phase	See Measure H.3	Review as part of Major Phase
<b>North/</b>		Owner, other developers	Include in relevant	DPW; DBI	DPW/DBI to review



South	<p>H.7 <u>Corrosivity</u></p> <p>Test soils for sulfate and chloride content. If necessary, use admixtures in concrete so it would not be susceptible to attack by sulfates, and/or use coated metal pipes so that pipes would be more resistant to corrosion by chlorides.</p>		Infrastructure improvement plans		as part of subdivision improvement plan or site permit review process
	<p><b>I. <u>HEALTH AND SAFETY</u></b></p>				
South	<p>I.1 <u>Biohazardous Materials Handling Guidelines</u></p> <p>Require businesses that handle biohazardous materials and do not receive federal funding to certify that they follow the guidelines published by the National Research Council and the United States Department of Health and Human Services Public Health Service, National Institutes of Health, and Centers for Disease Control, as set forth in <i>Biosafety in Microbiological and Biomedical Laboratories, Guidelines for Research Involving Recombinant DNA Molecules (NIH Guidelines)</i>, and <i>Guide for the Care and Use of Laboratory Animals</i>, or their successors, as applicable.</p>	Owner, other developers	As part of building permit process; provide annual certification thereafter	DPH; DBI	DBI to review through building permit process, as applicable; DPH to review submissions and monitor updating
South	<p>I.2 <u>Use of HEPA Filters.</u></p> <p>Require businesses handling biohazardous materials to certify that they use high efficiency particulate air (HEPA) filters or substantially equivalent devices on all exhaust from Biosafety Level 3 laboratories unless they demonstrate that exhaust from their Biosafety Level 3 laboratories would not pose substantial health or safety hazards to the public or the environment. Require such businesses to certify that they inspect or monitor the filters regularly to ensure proper functioning.</p>	Owner, other developers	As part of building permit process; provide annual update certification thereafter	DPH; DBI	DBI to review through building permit process, as applicable; DPH to review submissions and monitor updating
South	<p>I.3 <u>Handling of Biohazardous Materials</u></p> <p>Require businesses handling biohazardous materials to certify that they do not handle or use biohazardous materials requiring Biosafety Level 4 containment (i.e., dangerous or exotic materials that pose high risks of life-threatening diseases or aerosol-transmitted infections, or unknown risks of transmission) in the Project Area.</p>	Owner, other developers	As part of building permit process; provide annual update certification thereafter	DPH; DBI	DBI to review through building permit process, as applicable; DPH to review submissions and monitor updating
	<p><b>J. <u>CONTAMINATED SOILS AND GROUNDWATER</u></b></p>				
North/ South	<p>J. 1 <u>Risk Management Plan(s)</u></p> <p>Prior to any site development activities in the Project Area, develop and implement an RWQCB-approved Risk Management Plan or Plans (RMP). The RMP shall address all site development activities and post-development activities and shall include specific measures that would be protective of human health and the aquatic environment. The human health standards to be applied in the RMP are a cumulative cancer risk of <math>1 \times 10^{-6}</math> and Hazard Index of 1, or more stringent standards as may be required by the RWQCB. Amend the RMPs as required by the RWQCB to reflect new information regarding contamination, land use decisions, or as a result of Article 20 compliance.</p>	Owner, Agency, other developers	As provided in the EIRP or in RMPs	See measures J.1a-J.1o below	See measures J.1a-J.1o below

	<p><u>RMP Enforcement</u></p> <p>J.1a Provide an enforcement structure for RMPs, to be in place and effective during construction and after project development, including:</p> <p>i. Develop and record a restrictive covenant as an Environmental Restriction and Covenant under California Civil Code Section 1471 that:</p> <p>a. Places limits on future uses in the Project Area consistent with the provisions in the RMP;</p> <p>b. Provides notice to current and future property owners that the RMP contains use restrictions and other requirements and obligates property owners to provide like notice to occupants; and</p> <p>c. Provides notice to current and future property owners that the RWQCB maintains residual regulatory enforcement authority over all portions of the Project Area sufficient to compel enforcement of the entire RMP.</p> <p>ii. As part of any future transfer of property title of any portion of the Project Area, require current property owners to provide a copy of the RMP to each of their future transferees.</p>	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; Redevelopment Agency	RWQCB to approve RMP prior to site development; Agency to ensure RWQCB approval
	<p><u>Pre-Development</u></p> <p>Include, at a minimum, the following elements in the RMP:</p> <p>J.1b Limit direct access to areas with exposed native soils (defined as soils that exist at the site prior to project approval) and perform inspections to verify that measures taken to limit direct access are maintained. Alternatively, for each location with exposed native soils, provide risk management procedures for those areas. If this alternative is chosen, for each exposed soil location that would remain vacant and undeveloped at the initiation of development, and for each site that becomes vacant and includes exposed native soil, evaluate and document potential health risks to the general public that could occur before site development using the following process:</p> <p>Evaluate sampling results to determine constituents that could pose a risk to the general public. Identify populations who could be exposed to the constituents in soils based on land uses within and adjacent to the Project Area. Exposed populations that would be considered would include adult and child visitors/trespassers, nearby residents (adults and children), and workers not involved in project construction within and adjacent to the Project Area. Using specific EPA- and DTSC-recommended exposure assumptions, identify the appropriate exposure pathways and assumptions in consultation with the RWQCB.</p>	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; Redevelopment Agency	RWQCB to approve RMP prior to site development and conduct any ongoing monitoring of its provisions; Agency to ensure RWQCB approval of RMP

	<p>Using the specific exposure assumptions identified above, adopt contaminant-specific interim target levels (ITLs) following regulatory risk assessment guidelines established by DTSC and EPA.</p> <p>Compare ITLs to the range of concentrations detected in exposed native soils to identify areas where ITLs are exceeded. No further action prior to development (other than that required under Article 20 or other applicable regulations) would be required in areas in which ITLs are not exceeded</p>				
J.1c	<p>For areas where ITLs are exceeded, identify specific Interim Risk Management (IRM) measures that would reduce potential contamination-related risks to Project Area occupants and visitors during site build-out. Based on the results of the ITL evaluation and need for site controls, general IRM measures could include measures such as:</p> <p>i. <u>Limit Direct Access to Uncovered Native Soil on Undeveloped Portions of the Project Area.</u> To effectively limit access, install fencing or other physical barriers around the identified areas, and post "No Trespassing" signs.</p> <p>ii. <u>Hydroseed or Apply Other Vegetative or Other Cover to Uncovered Areas.</u> Hydroseed or apply other vegetative or other cover to the uncovered areas to reduce the potential for windblown dusts to be generated, and to reduce the potential for individuals to have direct contact with the native soils.</p> <p>iii. <u>Include Safety Notices in Leases.</u> Notify tenants of occupied portions of the Project Areas of the potential risks involved with the disturbance of existing cover (asphalt, concrete, vegetation) or exposed native soil.</p> <p>iv. <u>Conduct Periodic Inspections of Open Spaces.</u> Conduct periodic inspections of the Project Area to reduce the illegal occupancy of open areas by transient populations, and to reduce the illegal dumping by unauthorized occupants or off-site populations. Implement additional security measures such as fencing and/or the use of security guards, if inspections show a need.</p> <p>v. <u>Periodic Monitoring.</u> Perform inspections verifying that risk management measures remain effective by identifying disturbances to cover materials that could result in the exposure of underlying native soil and by identifying areas where temporary fencing or other physical barriers might need to be reinstalled. If the inspections identify areas where measures have been rendered ineffective, implement corrective action.</p>	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; Redevelopment Agency	RWQCB to approve RMP prior to site development and conduct any ongoing monitoring of its provisions; Agency to ensure RWQCB approval of RMP
	<p><u>Development</u></p> <p>J.1d Include in the RMP, health and safety training and health protection objectives for workers who may directly contact contaminated soil during construction and/or maintenance, including Cal/OSHA worker safety regulations appropriate to the type of construction</p>	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; DBI; DPW; DPH Redevelopment Agency	RWQCB to approve RMP prior to site development; DPH and, depending on the improvement,

	activity, location, and risk relative to the potential types of hazards associated with contaminated soil or groundwater, and where appropriate, compliance with Title 8, Group 16, requirements.				DBI or DWP, to ensure implementation of construction-related portions of any measures included in RMP through permit process
	<p>J.1e Identify site access controls to be implemented during construction, such as:</p> <ul style="list-style-type: none"><li>i. Secure construction site to prevent unauthorized pedestrian/vehicular entry with fencing or other barrier of sufficient height and structural integrity to prevent entry and based upon the degree of control required.</li><li>ii. Post No trespassing @ signs.</li><li>iii. Provide on-site meetings with construction workers to inform them about security measures and reporting/contingency procedures.</li></ul>	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; DBI; DPW; Redevelopment Agency	RWQCB to approve RMP prior to site development; DPH and, depending on the improvement, DBI or DWP, to ensure implementation of construction-related portions of any measures included in RMP through permit process
	<p>J.1f Identify protocols for managing soil during construction, which will include at a minimum:</p> <ul style="list-style-type: none"><li>i. The dust controls found in Measure F.2 in Section VI.F, Mitigation Measures: Air Quality.</li><li>ii. Standards for imported fill (defined as fill brought onto the site from outside the Project Area) that are protective of human health and the aquatic environment and an identified minimum depth of fill to be required for landscaped areas.</li><li>iii. A requirement that prior to placement, if native soil in the Project Area is to be used on site in any manner that could result in direct human exposure, characterization of the soil be conducted to confirm that it meets appropriate standards approved by the RWQCB and would be appropriate for the intended use.</li><li>iv. Protocols for managing stockpiled and excavated soils.</li><li>v. A program for off-site dust monitoring, consisting of real-time monitoring for PM<sub>10</sub> concentrations to demonstrate that the health and safety of all individuals not engaged in construction activities would not be adversely affected by chemicals that could be contained in dust generated by soil-disturbing activities. If monitoring shows</li></ul>	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; DBI; DPW; Redevelopment Agency	RWQCB to approve RMP prior to site development; DPH and, depending on the improvement, DBI or DWP, to ensure implementation of construction-related portions of any measures included in RMP through permit process

	dust levels exceeding 250 g/m <sup>3</sup> , implement additional dust control measures, such as continuous misting of exposed areas with water, until concentrations are reduced below the action level.				
	J.1g Identify protocols for managing groundwater, which will include at a minimum: <ul style="list-style-type: none"><li>i. Procedures to prevent unacceptable migration of contamination from defined plumes during dewatering, such as monitoring, counter-pumping, or installing sheetpiles down to Bay Mud before dewatering.</li><li>ii. Procedures for the installation of subsurface pipelines and other utilities, where necessary, to prevent lateral transmission of chemicals in groundwater. Such procedures could include, but would not be limited to, selection of proper backfill materials and thickness and installation of clay plugs or barrier collars.</li></ul>	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; DBI; DPW; DPH Redevelopment Agency	RWQCB to approve RMP prior to site development; DPH and, depending on the improvement, DBI or DWP, to ensure implementation of construction-related portions of any measures included in RMP through permit process
	J.1h Include SWPPP requirements and BMPs as described in Mitigation Measure K.1 in Section VI.K, Mitigation Measures: Hydrology and Water Quality.	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; DBI; DPW; DPH Redevelopment Agency	RWQCB to approve RMP prior to site development; DPH and, depending on the improvement, DBI or DWP, to ensure implementation of construction-related portions of any measures included in RMP through permit process
	J.1i Include a requirement that construction personnel be trained to recognize potential hazards associated with underground features that could contain hazardous materials, previously unidentified contamination, or buried hazardous debris.	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; DBI; DPW; Redevelopment Agency; DPH	RWQCB to approve RMP prior to site development; DPH and, depending on the improvement, DBI or DWP, to ensure implementation of construction-related

					portions of any measures included in RMP through permit process
	J.1j Develop and describe procedures for implementing a contingency plan, including appropriate notification and control procedures, in the event unanticipated subsurface hazards are discovered during construction. Control procedures could include, but would not be limited to, further investigation and removal of USTs or other hazards.	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; DBI; DPW; Redevelopment Agency; DPH	RWQCB to approve RMP prior to site development; DPH and, depending on the improvement, DBI or DWP, to ensure implementation of construction-related portions of any measures included in RMP through permit process
	J.1k Establish procedures, as necessary, so that construction activities avoid interfering with any RWQCB-required site investigation and remediation in the free product area.	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; DBI; DPW; Redevelopment Agency; DPH	RWQCB to approve RMP prior to site development; DPH and, depending on the improvement, DBI or DWP, to ensure implementation of construction-related portions of any measures included in RMP through permit process
	<u>Post-Development</u> J.1l Except where testing demonstrates that native soils meet standards established by the RWQCB as being protective of human health and the aquatic environment, require that upon project completion, all native soils shall be capped, so as to preclude human contact by using buildings, paved surfaces (such as parking lots, sidewalks, or roadways), or fill of a kind and depth approved by the RWQCB.	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; Redevelopment Agency	RWQCB to approve RMP prior to site development and conducting any ongoing monitoring; Agency to ensure RWQCB approval
	J.1m Prohibit residences with unrestricted access to soils in front yards or backyards anywhere in the Project Area.	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; DBI; DPW; Redevelopment Agency	RWQCB to approve RMP prior to site development and conducting any ongoing monitoring;

					Agency to ensure RWQCB approval
	J.1n Prohibit access to native soils for private use. If disturbance of native subsurface soils or groundwater dewatering is planned, carry out these activities in accordance with the elements of the RMP called for in Measures J.1d through J.1k. Following construction or excavation or soil disturbance, restore the cap in accordance with the provisions of the RMP as called for in Measure J.1l.	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; DBI; DPW; Redevelopment Agency	RWQCB to approve RMP prior to site development and conducting any ongoing monitoring; Agency to ensure RWQCB approval
	J.1o Prohibit the use of shallow groundwater within the Project Area for domestic, industrial, or irrigation purposes. Permit installation of groundwater wells within the Project Area only for environmental monitoring purposes. Secure and lock environmental wells installed within the Project Area to prevent unauthorized access to the groundwater. In the event the use of shallow groundwater is proposed, perform an assessment of the risks from direct exposure to the groundwater prior to use and obtain RWQCB or other appropriate regulatory agency approval of the results of the assessment and proposed uses	Owner, Agency, other developers	As provided in the EIRP or in RMPs	RWQCB; Redevelopment Agency	RWQCB to approve RMP prior to site development and conducting any ongoing monitoring; Agency to ensure RWQCB approval
North/ South	J.2 <u>Site Specific Risk Evaluation</u>  Carry out a site-specific risk evaluation for each site in a non-residential area proposed to be used for a public school or child care facility; submit to RWQCB for review and approval. If cancer risks exceed $1 \times 10^{-5}$ and/or non-cancer risk exceeds a Hazard Index of 1, carry out remediation designed to reduce risks to meet these standards or select another site that is shown to meet these standards.	Owner; other developers	RWQCB to review prior to site work	RWQCB; DBI; DPH, Redevelopment Agency; SFUSD	RWQCB to review and approve evaluations and monitor compliance; Agency, DBI and DPH to ensure RWQCB review and approval through permit process; SFUSD to ensure RWQCB review and approval through school siting process
	<b>K. <u>HYDROLOGY AND WATER QUALITY</u></b>				
North/ South	K.1 <u>Stormwater Pollution Prevention Program (SWPPP)</u>  Develop and implement a comprehensive Stormwater Pollution Prevention Plan (SWPPP) for all construction activities within the Project Area to avoid and minimize erosion and sedimentation in China Basin Channel and San Francisco Bay and to manage other aspects of the construction site. Include at least the following Best Management Practices, or substantially equivalent measures.	Owner, other developers	Submit as part of subdivision improvement plans	DPW; DBI; San Francisco Public Utilities Commission (SFPUC)	Review as part of subdivision improvement plans approval

	K.1.a. Minimize dust during demolition, grading, and construction by lightly spraying exposed soil on a regular basis.	Owner, other developers	Submit as part of subdivision improvement plans	DPW; DBI	Review as part of subdivision improvement plans approval
	K.1.b. Minimize wind and water erosion on temporary soil stockpiles by spraying with water during dry weather and covering with plastic sheeting or other similar material during the rainy season (November to April).	Owner, other developers	Submit as part of subdivision improvement plans	DPW; DBI	Review as part of subdivision improvement plans approval
	K.1.c. Minimize the area and length of time during which the site is cleared and graded.	Owner, other developers	Submit as part of subdivision improvement plans	DPW; DBI	Review as part of subdivision improvement plans approval
	K.1.d. Prevent the release of construction pollutants such as cement, mortar, paints and solvents, fuel and lubricating oils, pesticides, and herbicides by storing such materials in a bermed, or otherwise secured, area.	Owner, other developers	Submit as part of subdivision improvement plans	DPW; DBI	Review as part of subdivision improvement plans approval
	K.1.e. As needed, install filter fences around the perimeter of the construction site to prevent off-site sediment discharge. Prior to grading the bank slopes of China Basin Channel for the proposed channel-edge treatments, install silt or filter fences to slow water and remove sediment. As needed, properly trench and anchor in the silt or filter fences so that they stand up to the forces of tidal fluctuation and wave action, and do not allow sediment-laden water to escape underneath them.	Owner, other developers	Submit as part of subdivision improvement plans	DPW; DBI	Review as part of subdivision improvement plans approval
	K.1.f. Follow design and construction standards found in the <i>Manual of Standards for Erosion and Sediment Control Measures</i> for placement of riprap and stone size.	Owner, other developers	Submit as part of subdivision improvement plans	DPW; DBI	Review as part of subdivision improvement plans approval
	K.1.g. Install and maintain sediment and oil and grease traps in local stormwater intakes during the construction period, or otherwise properly control oil and grease discharges.	Owner, other developers	Submit as part of subdivision improvement plans	DPW; DBI	Review as part of subdivision improvement plans approval
	K.1.h. Clean wheels and cover loads of trucks carrying excavated soils before they leave the construction site.	Owner, other developers	Submit as part of subdivision improvement plans	DPW; DBI	Review as part of subdivision improvement plans approval
	K.1.i. Implement a hazardous material spill prevention, control, and clean-up program for the construction period. As needed, the program would include measures such as constructing swales and barriers that would direct any potential spills away from the Channel and the Bay and into containment basins to prevent the movement of any materials from the construction site into water.	Owner, other developers	Submit as part of subdivision improvement plans	DPW; DBI	Review as part of subdivision improvement plans approval
North/	K.2 <u>Changes in Sanitary Sewage Quality</u> In addition to developing and implementing a Stormwater Management Program for the	Owner, other developers	Submit as part of subdivision improvement	Agency; DPW; SFPUC	Review as part of subdivision



South	Central/Bay Basin (see Mitigation Measure K.5), participate in the City=s existing Water Pollution Prevention Program. Facilitate implementation of the City=s Water Pollution Prevention Program by providing and installing wastewater sampling ports in any building anticipated to have a potentially significant discharge of pollutants to the sanitary sewer, as determined by the Water Pollution Prevention Program of the San Francisco Public Utilities Commission=s Bureau of Environmental Regulation and Management, and in locations as determined by the Water Pollution Prevention Program.		plans		improvement plans approval
North/ South	K.3 <u>Sewer Improvement Design</u>  Design and construct sewer improvements such that potential flows to the City=s combined sewer system from the project do not contribute to an increase in the annual overflow volume as projected by the Bayside Planning Model by providing increased storage in oversized pipes, centralized storage facilities, smaller dispersed storage facilities, or detention basins, or through other means to reduce or delay stormwater discharges to the City system.	Subject to regulatory approvals, Owner, other developers	Submit as part of subdivision improvement plans	Agency; DPW; SFPUC	Review as part of subdivision improvement plans approval
South	K.4 <u>Alternative Technologies to Improve Stormwater Discharge Quality</u>  Implement alternative technologies or use other means to reduce settleable solids and floatable materials in stormwater discharges to China Basin Channel to levels equivalent to, or better than City-treated combined sewer overflows. Such alternative technologies could include one or more of the following: biofilter system, vortex sediment system, catch basin filters, and/or additional source control measures to remove particulates from streets and parking lots.	Subject to regulatory approvals, Owner, other developers	Submit as part of subdivision improvement plans	Agency; DPW; SFPUC	Review as part of subdivision improvement plans approval
South	K.5 <u>Central/Bay Basin Stormwater Management Program</u>  Develop and implement a Stormwater Management Program for the Central/Bay Basin applicable to new and interim development under the Redevelopment Plan if any are contributing to direct discharges of stormwater to near-shore waters. Develop the plan in coordination with City and County of San Francisco agencies such as the Water Pollution Prevention Program of the City and County of San Francisco Public Utilities Commission=s (SFPUC) Bureau of Environmental Regulation and Management, and the Clean Water Program. Develop the Stormwater Management Program according to guidelines contained in California Municipal Storm Water Best Management Practice Handbook and in California Industrial/Commercial Storm Water Best Management Practice Handbook. In addition, design the program with Best Management Practices consistent with the minimum control measures pursuant to the proposed Phase II stormwater regulations. Implement the Stormwater Management Program until a city-wide stormwater management program is developed that includes any area contributing to direct discharges of stormwater to near-shore waters. If the City and County of San Francisco develops a city-wide stormwater management program, such a program would supersede the stormwater management program for the Project Area. Periodically prepare and submit a monitoring report to the City detailing progress on implementation of Best Management Practices. Modify the Stormwater Management Program, as necessary, to respond to changes in conditions, and record any changes made (additions or deletions) in the monitoring report.	Subject to regulatory approvals, Owner, other developers	Submit as part of subdivision improvement plans	Agency; DPW; SFPUC	Review as part of subdivision improvement plans approval for the first submission that would contribute to direct discharges of stormwater to near-shore waters

North/ South	K.6 <u>Structure Placement and Design to Minimize Dangers of Flooding</u>  Structures in the Project Area should be designed and located in such a way to assure the reasonable safety of structures and shoreline protective devices built in the Bay or in low-lying shoreline areas from the dangers of tidal flooding, including consideration of a rise in relative sea level. Detailed construction specifications to mitigate against impacts of a sea-level rise, however, would require specific flood protection engineering and building analysis by a licensed engineer where structures are proposed below a 99-foot elevation (Mission Bay Datum). Measures include:	Owner, other developers	Submit as part of site permit documentation	DBI; DPW	Review as part of site permit approval
	K.6.a. Setback from the water=s edge	Owner, other developers	Submit as part of site permit review	DBI; DPW	Review as part of site permit approval
	K.6.b. Install seawalls, dikes, and/or berms during construction of infrastructure	Owner, other developers	Submit as part of site permit review	DBI; DPW	Review as part of site permit approval
	K.6.c. Provide for dewatering basements	Owner, other developers	Submit as part of site permit review	DBI; DPW	Review as part of site permit approval
	K.6.d. Construct streets and sidewalks above existing grades by reducing the amount of excavation for utilities or basements	Owner, other developers	Submit as part of site permit review	DBI; DPW	Review as part of site permit approval
	K.6.e. Use topsoil to raise the level of public open spaces	Owner, other developers	Submit as part of site permit review	DBI; DPW	Review as part of site permit approval
	K.6.f. Use half-basements and partially depressed garage levels to minimize excavation	Owner, other developers	Submit as part of site permit review	DBI; DPW	Review as part of site permit approval
	<b>L. <u>CHINA BASIN CHANNEL VEGETATION AND WILDLIFE</u></b>				
North/ South	L.1 <u>Salt Marsh Wetland Habitat Mitigation Plan</u>  Prepare and implement a salt marsh wetland habitat mitigation plan in accordance with the San Francisco District, U.S. Army Corps of Engineers Habitat Mitigation Planning Guidelines. Determine the details of the plan through the Section 404 permit process. Nothing in this mitigation measure is intended to constrain the flexibility needed to meet permitting agency requirements, or adjust to variability in field conditions, new information or technology, or other factors. Similarly, this condition is not intended to conflict with or constrain use of more natural alternative Channel edge treatments that are determined feasible and consistent with adopted Redevelopment Agency standards and guidelines applicable to Mission Bay as contained in Design for Development documents.	Subject to regulatory approval, Owner	Prior to commencement of channel banks work involving wetlands	U.S. Army Corps; RWQCB; BCDC; DPW; Agency	U.S. Army Corps to review as part of Projects involving wetlands construction; DPW to review as part of subdivision improvement plans
North/ South	L.2 <u>Wetland Habitat Avoidance</u>  Avoid salt marsh wetland habitat along the China Basin Channel shoreline during installation of suction inlets (and associated piping) used for fire-fighting water supply. Design the storm drain outfalls to minimize scouring and erosion of mudflats in coordination with relevant permitting agencies during the permitting process.	Subject to regulatory approval, Owner	Prior to commencement of channel banks work involving wetlands	Redevelopment Agency; U.S. Army Corps; RWQCB; BCDC; DPW	U.S. Army Corps to review as part of Projects involving wetlands construction; DPW to review as part of subdivision

					improvement plans
North/ South	<p>L.3 <u>Construction During Pacific Herring Spawning Season</u></p> <p>Do not conduct any construction activities (including movement of heavy equipment or structures by barge or tugboat) with the potential to cause turbidity in Channel or Bay waters during the spawning season of Pacific herring (December 1-March 1).</p>	Owner, other developers	Prior to commencement of relevant work	DPW;DBI	DPW and/or DBI to review as part of subdivision improvement plans or site permit process
North / South	<p>L.4 <u>Turbidity Prevention</u></p> <p>Require the construction contractor to use shallow-draft tugboats, to prevent turbidity and sediment resuspension caused by tugboat activity in the Channel. Shallow-draft tugboats float higher in the water than deep-draft tugboats. Because they float higher, the tugboat propellers are not as deep under the water surface, and therefore are farther away from the bottom of the Channel. This arrangement has less potential to disturb bottom sediments because the local currents created by the propellers would not extend as deeply into the water column. Require the construction contractor to operate the tugboats at the minimum speed necessary to maintain maneuverability of the barges. Slower speeds would reduce the spin of tugboat propellers, thus minimizing turbidity and sediment resuspension.</p>	Owner, other developers	Prior to water-side construction	DPW; DBI	DPW and/or DBI to review in connection with subdivision improvement plans or site permit process
North / South	<p>L.5 <u>Construction In Channel</u></p> <p>Confine resuspended sediments from construction activities in the Channel or Bay waters to the work site using submarine silt curtains around pile-driving or outfall construction sites, or silt fences properly anchored and trenched in place at the toe of slope below any grading or rubble-removing activities.</p>	Owner	Prior to construction in or near the Bay or Channel	DPW;DBI	DPW to review in connection with subdivision improvement plans or site permit process
North / South	<p>L.6 <u>Removal and Disposal Plan</u></p> <p>Prepare a written plan for removal and disposal, including a description of any methods incorporated to avoid or minimize potential surface water contamination shall be prepared prior to removing existing support piles from China Basin Channel for the proposed Channel-edge treatments. Submit the plan to the San Francisco Bay Regional Water Quality Control Board for approval before implementation. Implement the plan during construction and have a qualified specialist monitored the plan to ensure adequate performance. Implement this plan during removal of pilings under the direction of a qualified specialist.</p>	Subject to regulatory approval, Owner	Prior to support pile removal	RWQCB; DPW	DPW to review in connection with subdivision improvement plans or site permit process
	<b>M. <u>COMMUNITY SERVICES AND UTILITIES</u></b>				
South	<p>M.1 <u>Transfer School Site</u></p> <p>Transfer the 2.2 acre school site to the San Francisco Unified School District in a developable condition prior to issuance of building permits for residential units that will make the total combined number of dwelling units in Mission Bay North and Mission Bay South equal to or greater than 3,200 dwelling units.</p>	Owner, under the terms and conditions of South Infrastructure Plan and South OPA	As specified in measure	Redevelopment Agency; SFUSD	Review in connection with Major Phase and/or Project-level plan approval
	M.2 <u>Include Water Conservation in Buildings and Landscaping</u>				

<b>North / South</b>	Include methods of water conservation in Mission Bay buildings and landscaping. Water conservation methods include the following:				
	M.2.a. Install water conserving dishwashers and washing machines in rental apartments and condominiums	Owner, other developers	Include in site permit plans	DPW; DBI	Review in connection with site permit process or subdivision improvement plans
	M.2.b. Install water conserving dishwashers and water efficient centralized cooling systems in office buildings	Owner, other developers	Include in site permit plans	DPW; DBI	Review in connection with site permit process or subdivision improvement plans
	M.2.c. Incorporate water efficient laboratory techniques in research facilities where feasible	Owner, other developers	Include in site permit plans	DPW; DBI	Review in connection with site permit process or subdivision improvement plans
	M.2.d. Provide information to residences and businesses advising methods to conserve water	Owner, other developers	Include in site permit plans	DPW; DBI	Review in connection with site permit process or subdivision improvement plans
	M.2.e. Install water conserving irrigation systems (e.g., drip irrigation)	Owner, other developers	Include in site permit plans	DPW; DBI	Review in connection with site permit process or subdivision improvement plans
	M.2.f. Design landscaping using drought resistant and other low-water use plants	Owner, other developers	Include in site permit plans	DPW; DBI	Review in connection with site permit process or subdivision improvement plans
<b>North / South</b>	M.3 <u>Extend Auxiliary Water Supply System</u> Extend the Auxiliary Water Supply System (High-Pressure System) through the interior of the Project Area. The routing, design and implementation of the AWSS extensions shall be determined by the Fire Department and the Department of Public Works.	Owner	Include in site permit plans	Redevelopment Agency; DPW	Review in connection with site permit process or subdivision improvement plans
<b>South</b>	M.4 <u>Sewers and Wastewater Treatment</u> Construct a fence around any interim surface detention basins.	Owner	During construction and operation of basins	Redevelopment Agency; DPW	Review as part of Project-level and/or site permit process
	M.5 <u>Stormwater Runoff Control and Drainage</u>	Owner	Include in subdivision	Redevelopment Agency;	Review in

South	Drain stormwater runoff (up to a 5-year event) from newly constructed buildings and permanently covered surfaces in the Bay Basin into the City=s combined sewer system until installation of a permanent sewer system.		improvement plans	DPW	connection with subdivision improvement plans and/or site permit process
South	M.6 <u>Construct New Fire Station and Provide New Engine Company</u>  M.6.a. <u>Construct New Fire Station</u>  Construct or pay for the construction of a new fire station in the Mission Bay South Redevelopment Area to house equipment and personnel serving the Project Area south of China Basin Channel, either in a new building or in the vacant Fire Station No. 30 after rehabilitation and expansion of that building. The San Francisco Fire Department shall review each proposed development phase to determine when land for the new fire station shall be transferred and when planning and design for the fire station shall be initiated.	City; Fire Department; Owner	Owner obligation to transfer site and make available certain funds and City obligation to fund the balance and construct as provided in South Owner Participation Agreement and Infrastructure Plan	Redevelopment Agency; City; Fire Department	As provided in the South Owner Participation Agreement and Infrastructure Plan
South	M.6.b. <u>Provide New Engine Company</u>  Provide or pay for the provision of an engine company and associated Fire Department personnel and equipment, and a truck company and associated personnel and equipment, to serve the Project Area south of China Basin Channel. The San Francisco Fire Department shall review each proposed development phase to determine when the engine company and truck company and related personnel and equipment shall be provided.	City	In conjunction with construction of fire station	Redevelopment Agency; Fire Department	As provided in the South Owner Participation Agreement and Infrastructure Plan

\* As indicated in the Project Approvals, the Agency's role is generally limited to oversight through the plan review process to confirm that any relevant measures have been implemented by other City Agencies and non-City agencies with jurisdiction over such measures. Where a measure is monitored through the site permit process, the measure is monitored primarily by DBI and/or DPW, depending on the nature of the improvement, but the Agency will maintain a general oversight role through its participation as a reviewing agency.