CHAPTER 5 Draft SEIR Revisions

This chapter presents text changes for the Balboa Reservoir Project SEIR initiated by planning department staff. The following changes to the text of the draft SEIR are made in response to comments on the draft SEIR or are included to clarify the draft SEIR text. The revisions reflect changes identified in Chapter 4, Comments and Responses, or staff-initiated text changes; all of which clarify, expand or update information and/or graphics presented in the draft SEIR. Staff-initiated changes to clarify information presented in the draft SEIR are highlighted with an asterisk (*) in the margin to distinguish them from text changes in response to comments. For each change, new language is <u>double underlined</u>, while deleted text is shown in strikethrough. The changes are organized in the order of the draft SEIR and initial study table of contents.

These revisions do not result in any changes in the analysis or conclusions prepared pursuant to CEQA, and thus do not constitute "new information of substantial importance" within the meaning of CEQA Guidelines section 15162(a)(3). Therefore, recirculation of the draft SEIR is not required.

5.A Summary

- * To be consistent with the revisions made under the applicable resource topics in response to comments, the following revisions are made to Table S-2, Summary of Impacts of the Proposed Project—Disclosed in this SEIR including the Initial Study.
- * In Table S-2, the sixth bullet point of Mitigation Measure M-NO-1 on SEIR p. S-18 is revised as follows (deleted text is shown in strikethrough and new text is shown in <u>double underline</u>):

Environmental Impact	Level of Significance prior to Mitigation	Improvement/Mitigation Measures	Level of Significance after Mitigation
SEIR Section 3.C, Noise [EXCERPT]			
Impact NO-1: Project construction would cause a substantial temporary or periodic increase in ambient noise levels at noise- sensitive receptors above levels existing without the project.	S	Mitigation Measure M-NO-1: Construction Noise Control Measures. Undertake the noisiest activities during times of least disturbance to surrounding residents and occupants (9 a.m. to 4 p.m.); and select <u>or construct</u> haul routes that avoid the North Access Road and the adjacent Archbishop Riordan High School and residential uses along Plymouth Avenue <u>and</u> Lee Avenue, such as the relocation of North Street described in Variant 4: North Street Extension on page 5-22 and depicted in Figure 5-4 on page 5-20 of the SEIR.	SUM

(REVISED) TABLE S-2: SUMMARY OF IMPACTS OF THE PROPOSED PROJECT-DISCLOSED IN THIS SEIR INCLUDING THE INITIAL STUDY [EXCERPT]

* In Table S-2, Mitigation Measure M-AQ-2d (Offset Construction Emissions for the Compressed Schedule), is revised as follows (deleted text is shown in strikethrough and new text is shown in <u>double underline</u>):

(REVISED) TABLE S-2: SUMMARY OF IMPACTS OF THE PROPOSED PROJECT-DISCLOSED IN THIS SEIR INCLUDING THE INITIAL STUDY [EXCERPT]

Environmental Impact	Level of Significance prior to Mitigation	Improvement/Mitigation Measures	Level of Significance after Mitigation
SEIR Section 3.C, Noise [EXCERPT]			
Impact AQ-2a: During construction, the proposed project would generate criteria air pollutants which would violate an air quality standard, contribute substantially to an existing or projected air quality violation, or result in a cumulatively considerable net increase in criteria air pollutants.	S	 Mitigation Measure M-AQ-2d: Offset Construction Emissions for the Compressed Schedule. Under the compressed three-year construction schedule for either the Developer's Proposed Option or the Additional Housing Option, the project sponsor shall implement this measure. Prior to issuance of the final certificate of occupancy for the final building associated with Phase 1, the project sponsor, with the oversight of the ERO, shall either: Directly fund or implement a specific offset project within San Francisco if available to achieve the equivalent to a one-time reduction of 2.0 tons per year of ozone precursors for the Developer's Proposed Option or 3.2 tons per year of ozone precursors for the Additional Housing Option. To qualify under this mitigation measure, the specific emissions offset project must result in emission reductions within the San Francisco Bay Area Air Basin that would not otherwise be achieved through compliance with existing regulatory requirements. A preferred offset project would be one implemented locally within the City and County of San Francisco. Prior to implementing the offset 	SUM

Environmental Impact	Level of Significance prior to Mitigation	Improvement/Mitigation Measures					
			project sponsor shall notify the ERO within six months on; or				
		ndation <u>or other governmental entity or t</u> mated at approximately \$30,000 per wei ercent of the total offset, shall fund one o Francisco Bay Area Air Basin. The fee ect sponsor, and the <u>governmental entity</u> listrict, and be based on the type of project nded to fund emissions reduction project cursors for the Developer's Proposed Op itional Housing Option, which is the amo	r Quality Management District Bay Area Clean Air <u>hird party</u> . The mitigation offset fee , currently phted ton, plus an administrative fee of no more than r more emissions reduction projects within the vill be determined by the planning department, the <u>r or third party responsible for administering the funds</u> tots available at the time of the payment. This fee is s to achieve reductions of 2.0 tons per year of ozone tion or 3.2 tons per year of ozone precursors for the unt required to reduce emissions below significance a mitigation measures as currently calculated.				
		governmental entity or third party respor O prior to issuance of the first site permit year of ozone precursors for the Develop	g of payment shall be signed by the project sponsor, sible for administering the funds air district, and the This offset payment shall total the predicted 2.0 tons per's Proposed Option or 3.2 tons per year of ozone above the 10-ton-per-year threshold after Q-2a, M-AQ-2b, and M-AQ-2c.				
		G and NOx (pounds/day), multiplying by ount represents the total estimated opera	d by summing the maximum daily construction of 260 work days per year, and converting to tons. The tional and construction-related ROG and NOx e needed for operations or overlapping construction				

5.B Section 3.A.6 Approach to Cumulative Impact Analysis

To update the status of the potential City College east basin parking garage project, the SEIR text is revised on p. 3.A-14 as follows:

At subsequent 2019 Board of Trustees meetings, City College staff presented a facilities planning update on a potential bond measure that would be anticipated to fund construction of the facilities master plan projects, shown under the "Bond Measure" column in Table 3.A-2. In that update, a number of the facilities master plan projects were included in the list of potential bond-funded improvements. However, the East Basin Parking Garage was no longer included, the Performing Arts and Education Center was replaced by a new Diego Rivera Theater and a smaller STEAM building (both on the east basin), and a Multi Media Building was proposed at the location of the existing Creative Arts Extension Building. To support the college's anticipated increase in enrollment, the Balboa Reservoir project sponsor may fund a portion of a study addressing the potential City College garage on the east basin, if the college decides to consider pursuing such a project. A parking garage on the east basin would have independent utility from the Balboa Reservoir project—in other words, the east basin parking garage could move forward regardless of whether the Balboa Reservoir project on the west basin occurs. Consequently, this SEIR analysis need not address an east basin parking lot as part of the Balboa Reservoir project other than accounting for it as part of the cumulative analysis.

5.C Transportation and Circulation

To clarify the existing transit travel times, the text on SEIR p. 3.B-22 and continuing to SEIR p. 3.B-23 is revised as follows (deleted text is shown in strikethrough and new text is shown in <u>double underline</u>):

Muni transit operations in the study area were evaluated using transit delay analysis. The transit delay analysis presents the delay associated with traffic congestion, transit reentry, and passenger boarding along the following corridors and Muni lines <u>for the weekday a.m.</u> <u>and p.m. peak hours</u>:

- Frida Kahlo Way from Judson Avenue to Ocean Avenue (Line 43)
- Ocean Avenue from Plymouth Avenue to San Jose Avenue (Lines K, 29, 49)
- Geneva Avenue from City College Terminal to San Jose Avenue (Lines 8, 8BX, 43, 54)
- <u>K/T Third/Ingleside:</u>
 - Jules Avenue/Ocean Avenue to Balboa Park BART Station
 - San Jose Avenue/Geneva Avenue to Dorado Terrace/Ocean Avenue

- <u>29 Sunset</u>
 - <u>Plymouth Avenue/Ocean Avenue to Mission Street/Persia Avenue</u>
 - Mission Street/Persia Avenue to Plymouth Avenue/Ocean Avenue
- <u>43 Masonic</u>
 - Frida Kahlo Way/City College South Entrance to Foerster Street/Monterey Boulevard
 - <u>Gennessee Street/Monterey Boulevard to Frida Kahlo Way/City College South</u> <u>Entrance</u>
- <u>49 Van Ness/Mission</u>
 - Frida Kahlo Way/CCSF South Entrance to Mission Street/Persia Avenue
 - Mission Street/Ocean Avenue to Frida Kahlo Way/City College South Entrance

The results of the transit delay analysis are summarized in **Table 3.B-8**, **Existing Transit DelayExisting Transit Travel Times**, and provided in Attachment C, Corridor Delay Analysis Synchro Worksheets, and Attachment D, Transit Reentry and Passenger Boarding Delay Analysis Calculations, of SEIR Appendix C2, Transit Assessment Memorandum. Transit ridership and capacity analysis are provided in Attachment F (transit ridership and capacity analysis) of SEIR Appendix C2 for informational purposes. Table 3.B-8 presents the estimated seconds of delay a transit vehicle encounters-travel times during the a.m. and p.m. peak hours along each of the study corridors.

	Weekday a.m. Peak H	our (seconds of delay)	Weekday p.m. Peak Hour (seconds of delay				
Corridor	Northbound/ Eastbound	Southbound/ Westbound	Northbound/ Eastbound	Southbound/ Westbound			
Frida Kahlo Way	3	12	3	25			
Ocean Avenue	110	132	113	133			
Geneva Avenue	70	48	66	41			

TABLE **3.B-8** -Existing Transit Delay

SOURCE: Kittelson & Associates Inc., 2018.

NOTES:

Transit delay includes corridor delay, transit reentry delay, and passenger boarding delay.

5.C. Transportation and Circulation

		Existing Trans	it Travel Time ^a
Transit Line	Study Segment	A.M. Peak Period	P.M. Peak Period
<u>K/T</u>	Jules Ave/Ocean Ave to Balboa Park BART	<u>3:30</u>	<u>8:42</u>
	<u>San Jose Ave/Geneva Ave to Dorado</u> <u>Terr/Ocean Ave</u>	<u>3:28</u>	<u>10:03</u>
<u>29</u>	Plymouth Ave/Ocean Ave to Mission St/Persia Ave	<u>8:01</u>	<u>12:09</u>
	Mission St/Persia Ave to Plymouth Ave/Ocean Ave	<u>7:10</u>	<u>9:55</u>
<u>43</u>	Frida Kahlo Way/City College South Entrance to Foerster St/Monterey Blvd	<u>4:20</u>	<u>4:37</u>
	Gennessee St/Monterey Blvd to Frida Kahlo Way/City College South Entrance	<u>4:16</u>	<u>4:23</u>
<u>49</u>	Frida Kahlo Way/City College South Entrance to Mission St/Persia Ave	<u>5:39</u>	<u>10:04</u>
	Mission St/Ocean Ave to Frida Kahlo Way/City College South Entrance	<u>7:18</u>	<u>11:25</u>

<u>Table 3.B-8</u> Existing Transit Travel Times

SOURCE: Kittelson & Associates, Inc. 2019; SEMTA Automatic Vehicle Location Data, 2019. NOTES:

 <u>a</u> Kittelson staff collected transit travel time data along route segments via onboard surveys. Transit travel times were collected on Tuesday, April 2, 2019, during the weekday a.m. peak period (7 to 9 a.m.) and the weekday p.m. peak period (4 to 6 p.m.). Staff boarded a transit vehicle at the route start point and recorded the travel time between each stop and the dwell time at each stop. Onboard survey data was used to supplement and verify automatic vehicle location data provided by SFMTA. Agencies may determine to update the existing baseline transit travel times closer to commencement of construction.

As shown in Table 3.B-8, the highest transit delays most variability in transit travel times are experienced along Ocean Avenue between Plymouth Avenue and Judson Avenue in the westbound direction where there is a difference in travel times of over 6.5 minutes between the weekday a.m. and p.m. peak hours. This is primarily caused by the vehicular traffic at the Ocean Avenue/San Jose Avenue intersection during the weekday p.m. peak hour, which operates with an average intersection delay above 100 seconds. Additionally, as a result of the high volume of vehicle traffic volumes in the curbside travel lane on westbound Ocean Avenue (between 900 and 930 vehicles per hour) transit vehicles in this corridor typically experience transit reentry delays of around 11 seconds.

To clarify the project-related increase in transit travel times, the text on SEIR p. 3.B-73 and continuing to SEIR p. 3.B-74 is revised as follows (deleted text is shown in strikethrough and new text is shown in <u>double underline</u>):

The impact of the Developer's Proposed Option and Additional Housing Option on transit delay (traffic congestion, transit reentry delay, and passenger boarding delay) was evaluated along the following corridors and-Muni lines for the weekday a.m. and p.m. peak hours:

- Frida Kahlo Way from Judson Avenue to Ocean Avenue (Line 43)
- Ocean Avenue from Plymouth Avenue to San Jose Avenue (Lines K, 29, 49)

- Geneva Avenue from City College Terminal to San Jose Avenue (Lines 8, 8BX, 43, 54)
- <u>K/T Third/Ingleside:</u>
 - Jules Avenue/Ocean Avenue to Balboa Park BART Station
 - San Jose Avenue/Geneva Avenue to Dorado Terrace/Ocean Avenue
- <u>29 Sunset</u>
 - Plymouth Avenue/Ocean Avenue to Mission Street/Persia Avenue
 - Mission Street/Persia Avenue to Plymouth Avenue/Ocean Avenue
- <u>43 Masonic</u>
 - Frida Kahlo Way/City College South Entrance to Foerster Street/Monterey Boulevard
 - <u>Gennessee Street/Monterey Boulevard to Frida Kahlo Way/City College South</u> <u>Entrance</u>
- <u>49 Van Ness/Mission</u>
 - Frida Kahlo Way/CCSF South Entrance to Mission Street/Persia Avenue
 - Mission Street/Ocean Avenue to Frida Kahlo Way/City College South Entrance

The results of the transit delay analysis are summarized in **Table 3.B-18**, **Transit Delay Analysis**, and provided in Attachment C, Corridor Delay Analysis Synchro Worksheets, and Attachment D, Transit Reentry and Passenger Boarding Delay Analysis Calculations, of SEIR Appendix C2, Transit Assessment Memorandum.

	Weekday a.m. Peak H	our (seconds of delay)	Weekday p.m. Peak Hour (seconds of delay					
Corridor	Northbound/ Eastbound	Southbound/ Westbound	Northbound/ Eastbound	Southbound/ Westbound				
		Transit Delay						
Existing Conditio	ns							
Frida Kahlo Way	5	15	5	28				
Ocean Avenue	121	143	12 4	144				
Geneva Avenue	79	53	75	46				
Existing plus Dev	eloper's Proposed Optior	ł						
Frida Kahlo Way	18	74	29	101				
Ocean Avenue	187	182	182	244				
Geneva Avenue	99	127	117	127				
Existing plus Add	litional Housing Option							
Frida Kahlo Way	24	87	46	111				
Ocean Avenue	183	207	207 208 272					
Geneva Avenue	109	137	133	137				

TABLE 3.B-18 TRANSIT DELAY ANALYSIS

5.C. Transportation and Circulation

	Weekday a.m. Peak H	our (seconds of delay)	Weekday p.m. Peak Hour (seconds of dela					
Corridor	Northbound/ Eastbound	Southbound/ Westbound	Northbound/ Eastbound	Southbound/ Westbound				
	, F	Project-Related Increase i	n Delay					
Developer's Prop	osed Option							
Frida Kahlo Way	13	59	24	73				
Ocean Avenue	66	39	58	100				
Geneva Avenue	20	74	42	81				
Additional Housin	g Option							
Frida Kahlo Way	16	72	41	83				
Ocean Avenue	62	64	84	128				
Geneva Avenue	30	84	58	91				

SOURCE: Kittelson & Associates, Inc. 2018.

NOTES:

Transit delay includes corridor delay, transit reentry delay, and passenger boarding delay.

TABLE 3.B-18 TRANSIT DELAY ANALYSIS

			<u>nsit</u> I Time	Thres Project-	<u>l Time</u> hold ^a / Related nge	Exceeds Threshold?	
<u>Transit</u> Line	Study Segment	<u>A.M.</u> <u>Peak</u> <u>Period</u>	<u>P.M.</u> <u>Peak</u> <u>Period</u>	<u>A.M.</u> <u>Peak</u> <u>Period</u>	<u>P.M.</u> <u>Peak</u> <u>Period</u>	<u>A.M.</u> <u>Peak</u> <u>Period</u>	<u>P.M.</u> <u>Peak</u> <u>Period</u>
	Existing Condition	<u>ıs^b</u>					
<u>K/T</u>	Jules/Ocean to Balboa Park BART	<u>3:30</u>	<u>8:42</u>	<u>7:30</u>	<u>12:42</u>	=	=
	San Jose/Geneva to Dorado/Ocean	<u>3:28</u>	<u>10:03</u>	<u>7:28</u>	<u>14:03</u>	=	=
<u>29</u>	Plymouth/Ocean to Mission/Persia	<u>8:01</u>	<u>12:09</u>	12:01	<u>16:09</u>	=	=
	Mission/Persia to Plymouth/Ocean	<u>7:10</u>	<u>9:55</u>	<u>11:10</u>	<u>13:55</u>	=	=
<u>43</u>	Frida Kahlo/City College South to Monterey/Foerster	<u>4:20</u>	<u>4:37</u>	<u>8:20</u>	<u>8:37</u>	=	=
	Gennessee/Monterey to Frida Kahlo/City College South	<u>4:16</u>	<u>4:23</u>	<u>8:16</u>	<u>8:23</u>	=	=
<u>49</u>	Frida Kahlo/City College South to Mission/Persia	<u>5:39</u>	<u>10:04</u>	<u>9:39</u>	<u>14:04</u>	=	=
	Mission/Ocean to Frida Kahlo/City College South	<u>7:18</u>	<u>11:25</u>	<u>11:18</u>	<u>15:25</u>	=	=
	Developer's Proposed	Option					
<u>K/T</u>	Jules/Ocean to Balboa Park BART	<u>4:36</u>	<u>9:40</u>	<u>1:06</u>	<u>0:58</u>	<u>No</u>	No
	San Jose/Geneva to Dorado/Ocean	<u>4:07</u>	<u>11:43</u>	<u>0:39</u>	<u>1:40</u>	<u>No</u>	No
29	Plymouth/Ocean to Mission/Persia	9:07	<u>13:07</u>	<u>1:06</u>	0:58	No	No
	Mission/Persia to Plymouth/Ocean	7:49	<u>10:35</u>	0:39	<u>1:40</u>	No	No
<u>43</u>	Frida Kahlo/City College South to Monterey/Foerster	<u>4:33</u>	<u>5:01</u>	<u>0:13</u>	<u>0:24</u>	<u>No</u>	<u>No</u>
	Gennessee/Monterey to Frida Kahlo/City College South	<u>5:15</u>	<u>5:36</u>	<u>0:59</u>	<u>1:13</u>	<u>No</u>	<u>No</u>
<u>49</u>	Frida Kahlo/City College South to Mission/Persia	<u>6:45</u>	<u>11:02</u>	<u>1:06</u>	<u>0:58</u>	<u>No</u>	<u>No</u>
	Mission/Ocean to Frida Kahlo/City College South	<u>7:57</u>	<u>13:05</u>	<u>0:39</u>	<u>1:40</u>	<u>No</u>	<u>No</u>
	Additional Housing C	<u>Dption</u>					
K/T	Jules/Ocean to Balboa Park BART	<u>4:32</u>	<u>10:08</u>	1:02	<u>1:24</u>	No	No
	San Jose/Geneva to Dorado/Ocean	<u>4:32</u>	<u>12:11</u>	<u>1:04</u>	<u>2:08</u>	No	No
<u>29</u>	Plymouth/Ocean to Mission/Persia	9:03	<u>13:33</u>	1:02	<u>1:24</u>	No	No
	Mission/Persia to Plymouth/Ocean	<u>8:14</u>	<u>12:03</u>	<u>1:04</u>	<u>2:08</u>	No	No
<u>43</u>	Frida Kahlo/City College South to Monterey/Foerster	<u>4:36</u>	<u>5:18</u>	<u>0:16</u>	<u>0:41</u>	<u>No</u>	No
	Gennessee/Monterey to Frida Kahlo/City College South	<u>5:18</u>	<u>5:46</u>	<u>1:02</u>	<u>1:23</u>	<u>No</u>	No
<u>49</u>	Frida Kahlo/City College South to Mission/Persia	<u>6:41</u>	<u>12:28</u>	<u>1:02</u>	<u>1:24</u>	<u>No</u>	<u>No</u>
	Mission/Ocean to Frida Kahlo/City College South	<u>8:22</u>	<u>13:33</u>	<u>1:04</u>	<u>2:08</u>	<u>No</u>	<u>No</u>
SOURCE	Kittelson & Associates, Inc. 2019: SEMTA Automatic Vehicle Loc	ation Date	2010				

SOURCE: Kittelson & Associates, Inc. 2019; SFMTA Automatic Vehicle Location Data, 2019.

NOTES:

a ______ The performance standard is calculated as the existing transit travel time plus four minutes, or half the headway of a route with headways of less than eight minutes.

 <u>b</u> Kittelson staff collected transit travel time data along route segments via onboard surveys. Transit travel times were collected on Tuesday, April 2, 2019, during the weekday a.m. peak period (7 to 9 a.m.) and the weekday p.m. peak period (4 to 6 p.m.). Staff boarded a transit vehicle at the route start point and recorded the travel time between each stop and the dwell time at each stop. Onboard survey data was used to supplement and verify automatic vehicle location data provided by SFMTA. Agencies may determine to update the existing baseline transit travel times closer to commencement of construction.

Developer's Proposed Option

As shown in Table 3.B-18, vehicle and transit trips generated by the Developer's Proposed Option would increase transit delay by a maximum of 73 seconds along Frida Kahlo Way (southbound direction, weekday p.m. peak hour), a maximum of 100 seconds along Ocean Avenue (westbound direction, weekday p.m. peak hour), and a maximum of 81 seconds along Geneva Avenue (westbound direction, weekday p.m. peak hour). <u>1 minute and 40</u> seconds along Ocean Avenue in the westbound direction during the weekday p.m. peak hour and a maximum of 1 minute and 6 seconds along Ocean Avenue in the eastbound direction during the weekday p.m. peak hour.

<u>Based on an analysis of the project-related change in delay attributable to traffic</u> <u>congestion, transit reentry, and passenger boardings/alightings, t</u>The majority of the transit delay increase is attributable to the increase in passenger boarding delay resulting from the project-generated transit riders. The Developer's Proposed Option would not create additional transit reentry delay during the a.m. or p.m. peak hours.

<u>As shown in Table 3.B-18, t</u>The Developer's Proposed Option would not result in transit delay greater than or equal to four minutes. Therefore, based on the established thresholds of significance, the Developer's Proposed Option would result in a *less-than-significant* impact related to transit delay.

Additional Housing Option

As shown in Table 3.B-18, vehicle and transit generated by the Additional Housing Option would increase transit delay by a maximum of <u>83 seconds along Frida Kahlo Way</u>, (southbound direction, weekday p.m. peak hour), a maximum of 128 seconds along Ocean Avenue (westbound direction, weekday p.m. peak hour), and a maximum of 91 seconds along Geneva Avenue (westbound direction, weekday p.m. peak hour). <u>2 minutes and 8 seconds along Ocean Avenue in the westbound direction during the weekday p.m. peak hour and a maximum of 1 minute and 2 seconds along Ocean Avenue in the eastbound direction during the weekday a.m. peak hour.</u>

<u>Based on an analysis of the project-related change in delay attributable to traffic</u> <u>congestion, transit reentry, and passenger boardings/alightings, t</u>The majority of the transit delay increase is attributable to the increase in passenger boarding delay resulting from the project-generated transit riders. The Additional Housing Option would not create additional transit reentry delay during the a.m. or p.m. peak hours.

<u>As shown in Table 3.B-18, t</u>The Additional Housing Option would not result in transit delay greater than or equal to four minutes.¹ Therefore, based on the established thresholds of significance, the Additional Housing Option would result in a *less-than-significant* impact related to transit delay.

¹ Ibid.

Balboa Reservoir Project Responses to Comments

5.D Noise

The text on SEIR p. 3.C-23 is revised as follows to clarify nighttime noise generating activity (deleted text is shown in strikethrough and new text is shown in <u>double</u> <u>underline</u>):

Construction activities would generally occur between the hours of 7 a.m. and 8 p.m., up to seven days a week. <u>The project sponsor does not anticipate frequent or regular nighttime</u> <u>noise generating activity</u> and would not occur during nighttime hours. Consequently, construction activities would be consistent with San Francisco Police Code section 2908.

To further address this comment with respect to potential noise impacts to Riordan High School, the text of Mitigation Measure M-NO-1 on SEIR p. 3.C-30 is revised as follows (deleted text is shown in strikethrough and new text is shown in <u>double</u> <u>underline</u>):

Undertake the noisiest activities during times of least disturbance to surrounding residents and occupants (9 a.m. to 4 p.m.); and select <u>or construct</u> haul routes that avoid the North Access Road and the adjacent Archbishop Riordan High School and residential uses along Plymouth Avenue<u>and Lee Avenue</u>, such as the relocation of North Street described in Variant 4: North Street Extension on page 5-22 and depicted in Figure 5-4 on page 5-20 of the SEIR.

The text under "Construction-Related Noise Sources" under Impact NO-1, SEIR p. 3.C-23 is revised as follows to clarify nighttime work (deleted text is shown in strikethrough and new text is shown in <u>double underline</u>):

While ccertain construction activities such as large concrete pours, may require earlier start or later finish times to accommodate such time-specific activities, <u>and could include</u> <u>one concrete pour per building. Such</u> construction activities that extend beyond normal hours have not been specifically identified by the applicant and would be subject to review, permitting, and approval by the San Francisco Department of Building Inspection.

The text on SEIR p. 3.C-29 is revised as follows to clarify the noise analysis under the compressed construction schedule (deleted text is shown in strikethrough and new text is shown in <u>double underline</u>):

As stated in the footnote to Table 2-2, p. 2-38, the phasing of project implementation would be subject to changes due to market conditions and other unanticipated factors. Consequently, construction could be complete as early as 2024 or extend beyond 2027. If construction occurs over a shorter period than shown in Table 2-2 (e.g., Phases 1 and 2 occurring simultaneously following Phase 0), a relatively larger amount of construction would take place during a relatively shorter period of time, thereby increasing the typical daily construction activity. Compression of the construction schedule from six to three years would increase the intensity of construction and may result in more individual pieces

of equipment operating simultaneously than under the proposed six-year construction period of the project. Under the compressed scenario, Phase 0 would occur over a 12month period, as under the six-year construction scenario; therefore, the construction noise impacts for Phase 0 would be the same. Under the compressed scenario, Phases 1 and 2 would be constructed simultaneously after Phase 0 and would involve more equipment operation but not at the same location, as Phase 1 and Phase 2 are in separate geographic areas of the project site. Consequently, construction noise impacts at Archbishop Riordan High School as assessed in Table 3.C-8 would marginally increase by at most 3 dBA and only if development of blocks G and TH2 were to occur simultaneously (see Figure 2-18), while all other Phase 1 development would be over 300 feet away, such that construction noise would be attenuated by distance so as not to contribute considerably to construction noise from concurrent development of Phase 2 area under the compressed schedule. Additionally, because construction noise analysis involves consideration of the simultaneous operation of the two-noisiest pieces of equipment, the compressed construction scenario would not appreciably result in a change in the character of the significant and unavoidable construction noise impact identified. Therefore, due to the distances involved, the compressed construction scenario would only have a potential for a modest increase in noise levels over those predicted for the proposed schedule. The same pieces of equipment would be operating under a compressed construction schedule. Therefore, the maximum noise level would not change based on the methodology above combining the operation of the noisiest pieces of equipment with each phase. Under the compressed construction schedule, the construction noise impact from off-road equipment would be significant.

The second paragraph of SEIR p. 3.C-32 is revised as follows to correct the vibration standard for older residential structures (deleted text is shown in strikethrough and new text is shown in <u>double underline</u>):

This analysis evaluates the significance of construction-related vibration on structures and people (receptors), specifically cosmetic damage effects on structures and sleep disturbance and associated health effects on people. For building damage, the threshold limit depends on the architectural characteristics of the potentially affected structure (see Table 3.C-6, p. 3.C-14), but, fFor modern residential, industrial and commercial buildings, a standard of 0.5 in/sec PPV is applied, while for older residential structures, a standard of 0.3 in/sec PPV is applied. The potential for sleep disturbance vibration effects are evaluated only when construction activities are proposed during the nighttime hours, which would not occur under the proposed project, therefore, there would be no sleep disturbance vibration impacts.

The fourth paragraph of SEIR p. 3.C-32 is revised as follows to correct the vibration standard for older residential structures (deleted text is shown in strikethrough and new text is shown in <u>double underline</u>):

As shown in Table 3.C-6, p. 3.C-14, depending on the type of vibration (transient versus continuous), groundborne vibration generated by project-related demolition and construction activities above 0.5-0.3 in/sec PPV could cause cosmetic damage to new or

older nearby structures. As shown Table 3.C-9, estimated vibration levels of PPV's would be well-below the 0.5-0.3 in/sec threshold and this impact would be *less than significant*.

5.E Air Quality

In response to the air district's request, acknowledging that the air district's emissions reduction grant program is evolving, and because individual emission reduction projects needed to support the ozone precursor offsets required by Mitigation Measure M-AQ-2d (Offset Construction Emissions for the Compressed Schedule) have not been identified, Mitigation Measure M-AQ-2d is revised as follows (deleted text is shown in strikethrough and new text is shown in <u>double underline</u>):

Mitigation Measure M-AQ-2d: Offset Construction Emissions for the Compressed Schedule. Under the compressed three-year construction schedule for either the Developer's Proposed Option or the Additional Housing Option, the project sponsor shall implement this measure. Prior to issuance of the final certificate of occupancy for the final building associated with Phase 1, the project sponsor, with the oversight of the ERO, shall either:

- 1. *Directly fund or implement a specific offset project within San Francisco if available* to achieve the equivalent to a one-time reduction of 2.0 tons per year of ozone precursors for the Developer's Proposed Option or 3.2 tons per year of ozone precursors for the Additional Housing Option. To qualify under this mitigation measure, the specific emissions offset project must result in emission reductions within the San Francisco Bay Area Air Basin that would not otherwise be achieved through compliance with existing regulatory requirements. A preferred offset project would be one implemented locally within the City and County of San Francisco. Prior to implementing the offset project, it must be approved by the ERO. The project sponsor shall notify the ERO within six months of completion of the offset project for verification; or
- 2. Pay mitigation offset fees to the Bay Area Air Quality Management District Bay Area Clean Air Foundation or other governmental entity or third party. The mitigation offset fee, currently estimated at approximately \$30,000 per weighted ton, plus an administrative fee of no more than 5 percent of the total offset, shall fund one or more emissions reduction projects within the San Francisco Bay Area Air Basin. The fee will be determined by the planning department, the project sponsor, and the governmental entity or third party responsible for administering the funds-air district, and be based on the type of projects available at the time of the payment. This fee is intended to fund emissions reduction projects to achieve reductions of 2.0 tons per year of ozone precursors for the Developer's Proposed Option or 3.2 tons per year of ozone precursors for the Additional Housing Option, which is the amount required to reduce emissions below significance levels after implementation of other identified mitigation measures as currently calculated.

The agreement that specifies fees and timing of payment shall be signed by the project sponsor, the <u>governmental entity or third party responsible for administering the funds-air district</u>, and the ERO prior to issuance of the first site permit. This offset payment shall total the predicted 2.0 tons per year of ozone precursors for the Developer's Proposed Option or 3.2 tons per year of ozone precursors for the

Additional Housing Option above the 10-ton-per-year threshold after implementation of Mitigation Measures M-AQ-2a, M-AQ-2b, and M-AQ-2c.

The total emission offset amount is calculated by summing the maximum daily construction emissions of ROG and NOx (pounds/day), multiplying by 260 work days per year, and converting to tons. The amount represents the total estimated construction-related ROG and NOx emissions offsets required. No reductions are needed for operations or overlapping construction and operations.

5.F Appendix D2, Noise Supporting Information

Pages 1 and 2 of SEIR Appendix D2 are revised as follows:

Existing ROAD SEGMENT Calvenc Peak	TOTAL <u># VEHICLES</u>	VEHICLE TYPE % Auto MT HT	- VEHICLE SPEED Auto k/h MT k/h HT k/h	NOISE LEVEL (JBA) Auto MT HT	CALCULATED NOISE LEVEL 15 meters from	Receptor Adjus Dist from Noi Roadway Lev		Distance from Roadway to 65 dBA
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Page 1 of 2

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Page 2 of 2

5. Draft SEIR Revisions

5.F. Appendix D2, Noise Supporting Information

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