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TRANSPORTATION
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December 13, 2018

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The Honorable London N. Breed
Mayor, City of San Francisco
City Hall
1 Dr. Carlton B. Goodlett Place
San Francisco, CA 94102

The Honorable Libby Schaaf
Mayor, City of Oakland
City Hall
1 Frank H. Ogawa Plaza
Oakland, CA 94612

RE: Transbay Transit Center Peer Review

Dear Mayor Breed and Mayor Schaaf:

We write you to provide the third update on the scope and progress of the work of the Peer Review Panel (PRP) assembled by MTC to review the cause and repair of fractured girders at the Transbay Transit Center.

In our November 7th letter to you, we defined the phases of the review as follows:

1. Load capacity of the temporary shoring system.
2. Sampling and testing plan for the material from the fractured steel girders.
3. Cause of failure, as informed by the material test results and design analysis.
4. Current condition of structural elements directly impacted by the steel fractures.
5. Repair solution, as informed by the cause of failure and current condition.

The PRP has been engaged with the TJPA and its consultants as the latter have developed analyses on the cause of failure and the repair. The TJPA will present these findings at its board meeting on December 13.

TJPA's consultant, LPI, Inc, is leading the analysis of the cause of failure of the two girders over Fremont Street. LPI has developed a fracture hypothesis based on studies completed to-date and supported by available evidence. LPI's findings also provide an explanation as to why the two similar girders over First Street were at a lower risk of brittle fracture.

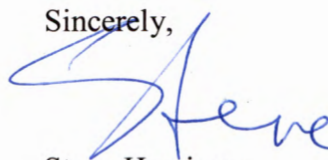
TJPA's engineer of record, Thornton Tomasetti, has considered several ways to repair the fractured girders over Fremont, and is converging on a preferred design. The design team is still considering how to address the girders on First Street.

Mayor Breed and Mayor Schaaf
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The PRP met with TJPA and its consultants several times over the last two months as these analyses progressed, and provided feedback along the way. Review is ongoing, but the PRP is satisfied with the general level of progress being made in understanding the root causes of the fractured beams over Fremont Street. The PRP will also evaluate whether it recommends TJPA perform additional analyses to those already identified.

As progress is made, we will continue to keep you updated. Please do not hesitate to contact me with any questions or concerns in the meantime.

Sincerely,



Steve Heminger
Executive Director

Cc:

Jake MacKenzie, Chair, Metropolitan Transportation Commission
Mohammad Nuru, Chair, Transbay Joint Powers Authority
Mark Zabaneh, Executive Director Transbay Joint Powers Authority
Ramakrishna Pochiraju, P.E. Executive Director of Planning & Engineering, AC Transit