

Salesforce Transit Center - MTC Peer Review Panel (PRP)

Review Status Update

*PRP Presentation for TJPA Board of Directors – February 14, 2019
Presented by: Andrew B. Fremier, Deputy Executive Director, MTC
Michael D. Engelhardt, Chair, PRP*



Background on MTC PRP

Members of PRP:

- Michael Engelhardt, Ph.D., P.E. (Chair) Professor – University of Texas at Austin, TX
- John Fisher, Ph.D., P.E. Professor Emeritus – Lehigh University, Bethlehem, PA
- Brain Kozy, Ph.D., P.E. Structural Engineering Team Leader – Federal Highway Administration, Washington, DC
- Thomas Sabol, Ph.D., S.E. Principal, Englekirk Institutional—MBE, Los Angeles, CA
- Robert Shaw, P.E. President, Steel Structures Technology Center, Howell, MI

Technical Support to PRP:

- Bill Mohr, Ph.D Edison Welding Institute, Columbus, OH
- David Ruby, P.E. Ruby + Associates, Bingham Falls, MI

MTC PRP: Process

- PRP has strived to provide an independent, expeditious, and thorough review.
- Progress through online and in-person presentations and meetings, site-visits.
- PRP has received excellent cooperation from TJPA.

MTC PRP: Scope of Review

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. Impact of fractures on adjacent structural elements
5. Repair of Fremont girders, as informed by the cause of failure and current condition
6. Search for other areas susceptible to brittle fracture

MTC PRP: Status of Review

1. **Shoring capacity:** Reviewed and concur.
2. **Sampling and testing plan:** Reviewed and concur.
3. **Cause of failure:** General concurrence with findings; pending final report.
4. **Impact of fractures on adjacent elements:** Review nearing completion.
5. **Repair of Fremont girders:** Reviewed and concur.
6. **Search for other areas susceptible to brittle fracture:**
 - A. **Retrofit of First Street:** Review nearing completion.
 - B. **Other locations:** Concurrence with criteria; review of TJPA project team's work on-going.