



Tower Tank Project

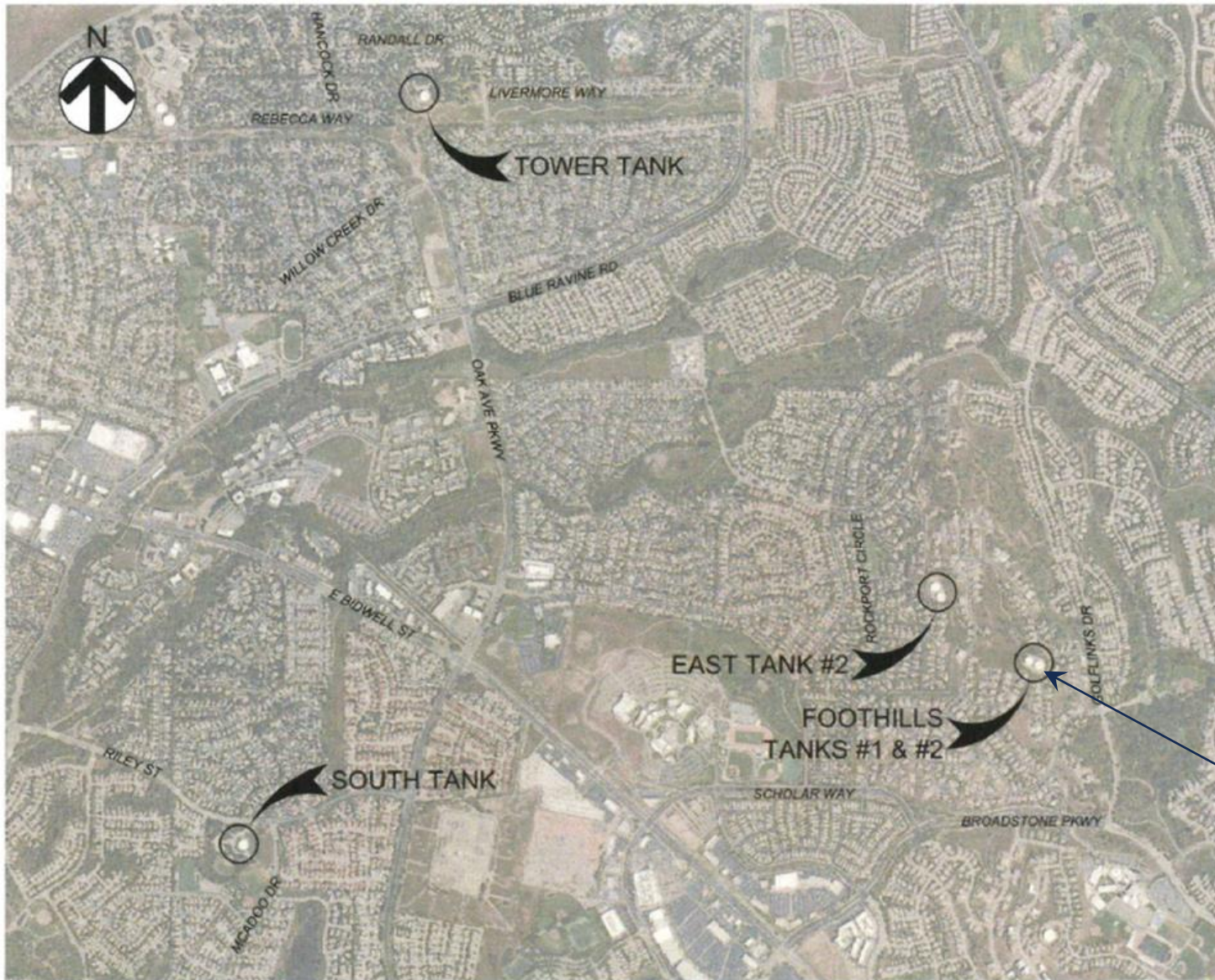
February 10, 2026

City Council



CITY OF
FOLSOM
DISTINCTIVE BY NATURE

Locations



LOCATION MAP
NTS

- Tower Tank – 1980
- South Tank – 1983
- Foothills Tank No. 1 – 1997
- East Tank No. 2 – 2001
- Foothills Tank No. 2 – 2002

Most of the deficiencies and recommendations are for Foothills No. 2 with the project team anticipating the same issues at Foothills No. 1

Scope of Work

- Recoating
- Structural Repairs
- Electrical service upgrades
- Mixers and blowers
- Piping modifications
- SCADA Programming
- Safety upgrades (stairs and catwalk)
- Miscellaneous site work

Deficiencies Encountered

- Advanced corrosion
- Significant metal loss
- Failed coatings – paint delamination
- Pitting and deterioration
- Inadequate structural bracing
- **Insufficient mechanical preparation for coating application**

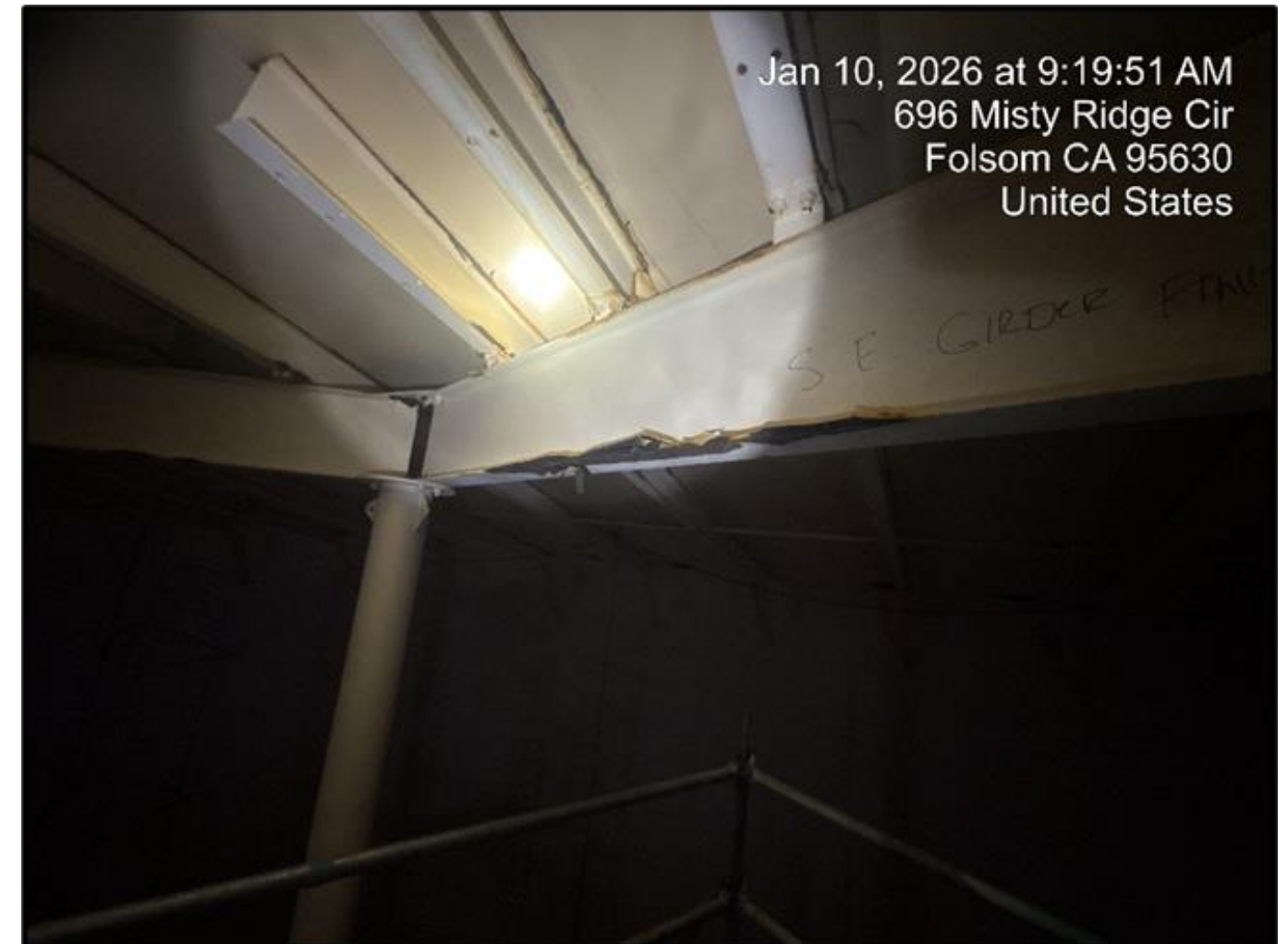
Tank Inspection



Pictures of Deficiencies



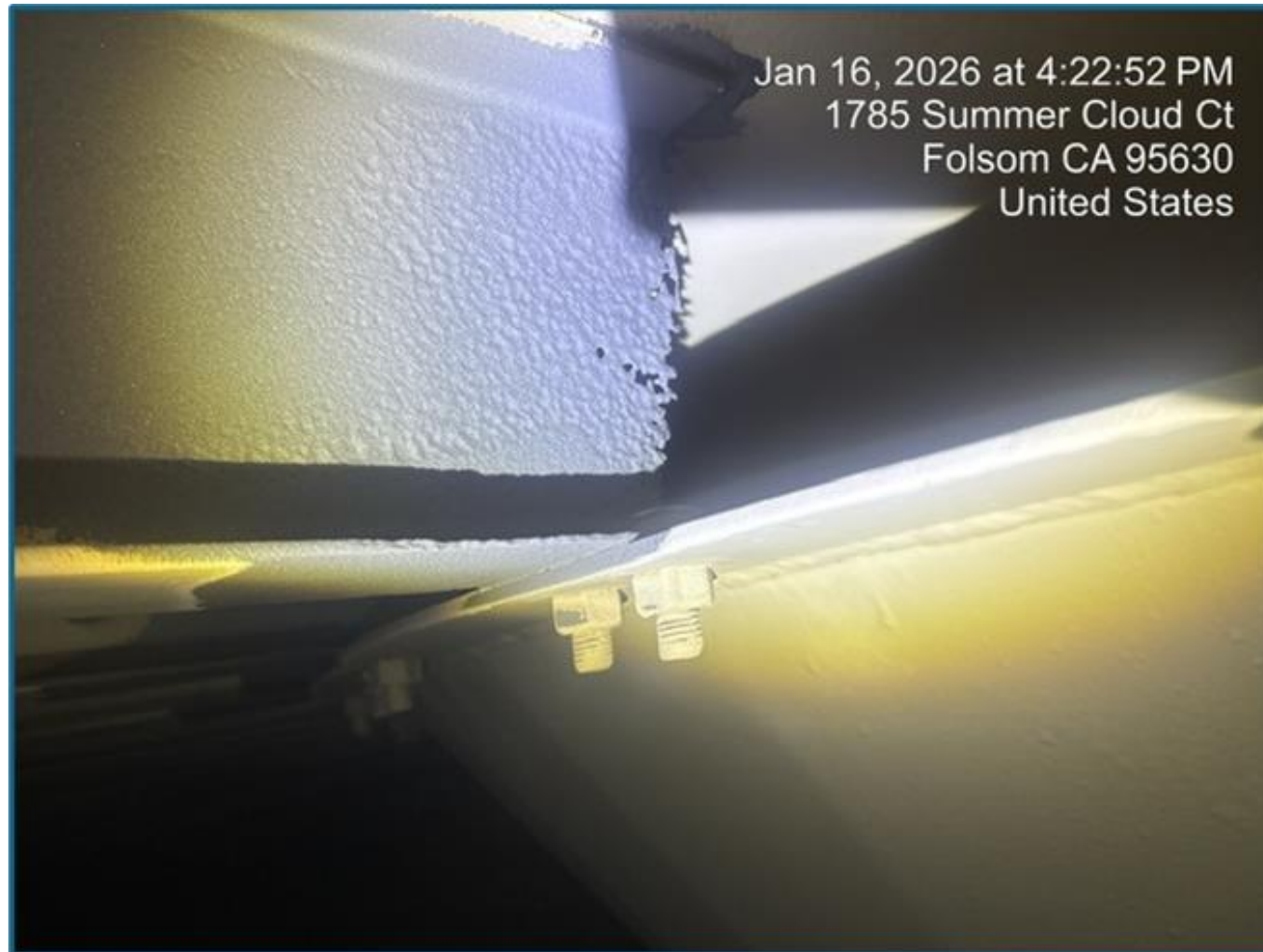
Pictures of Deficiencies



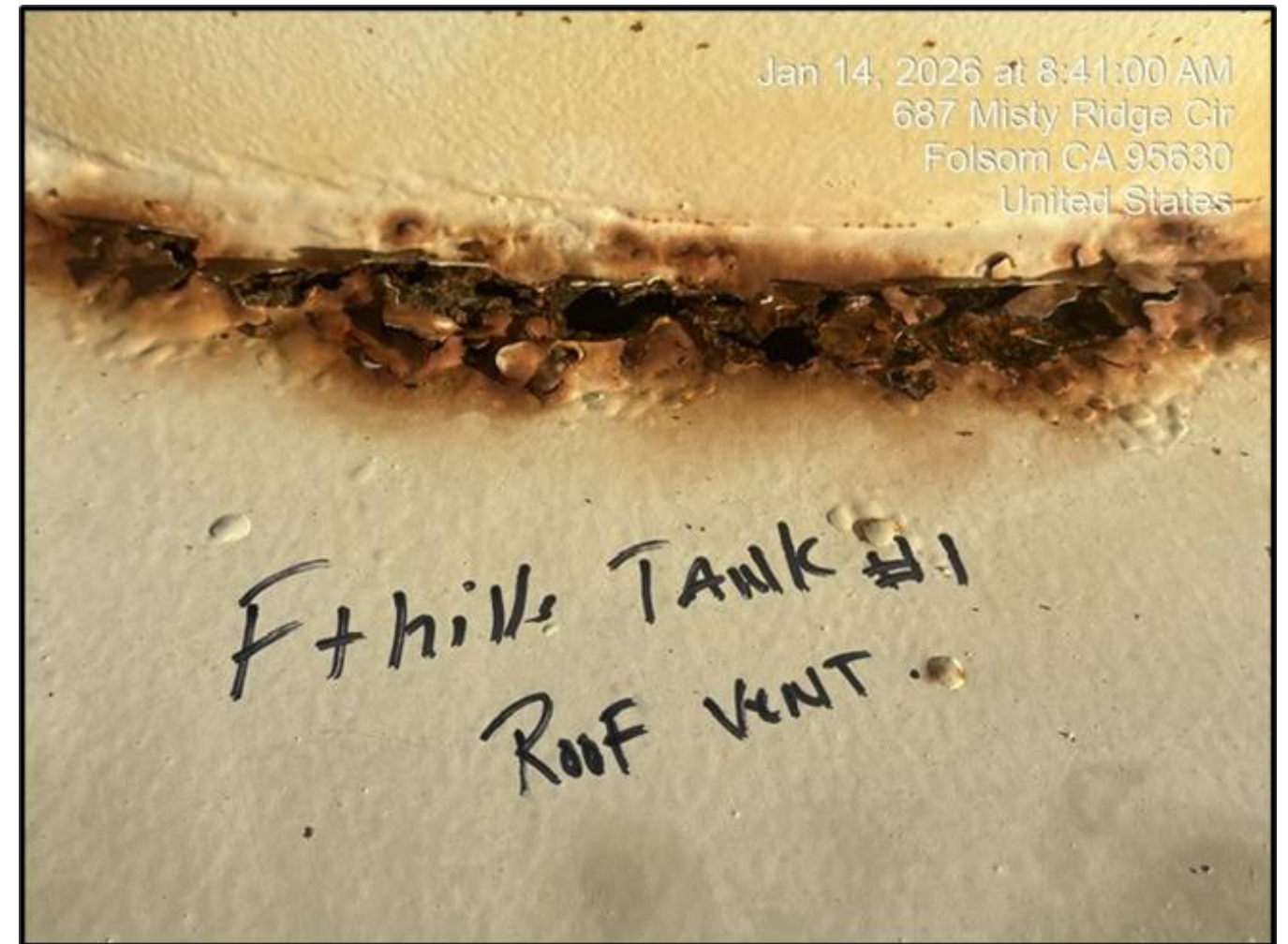
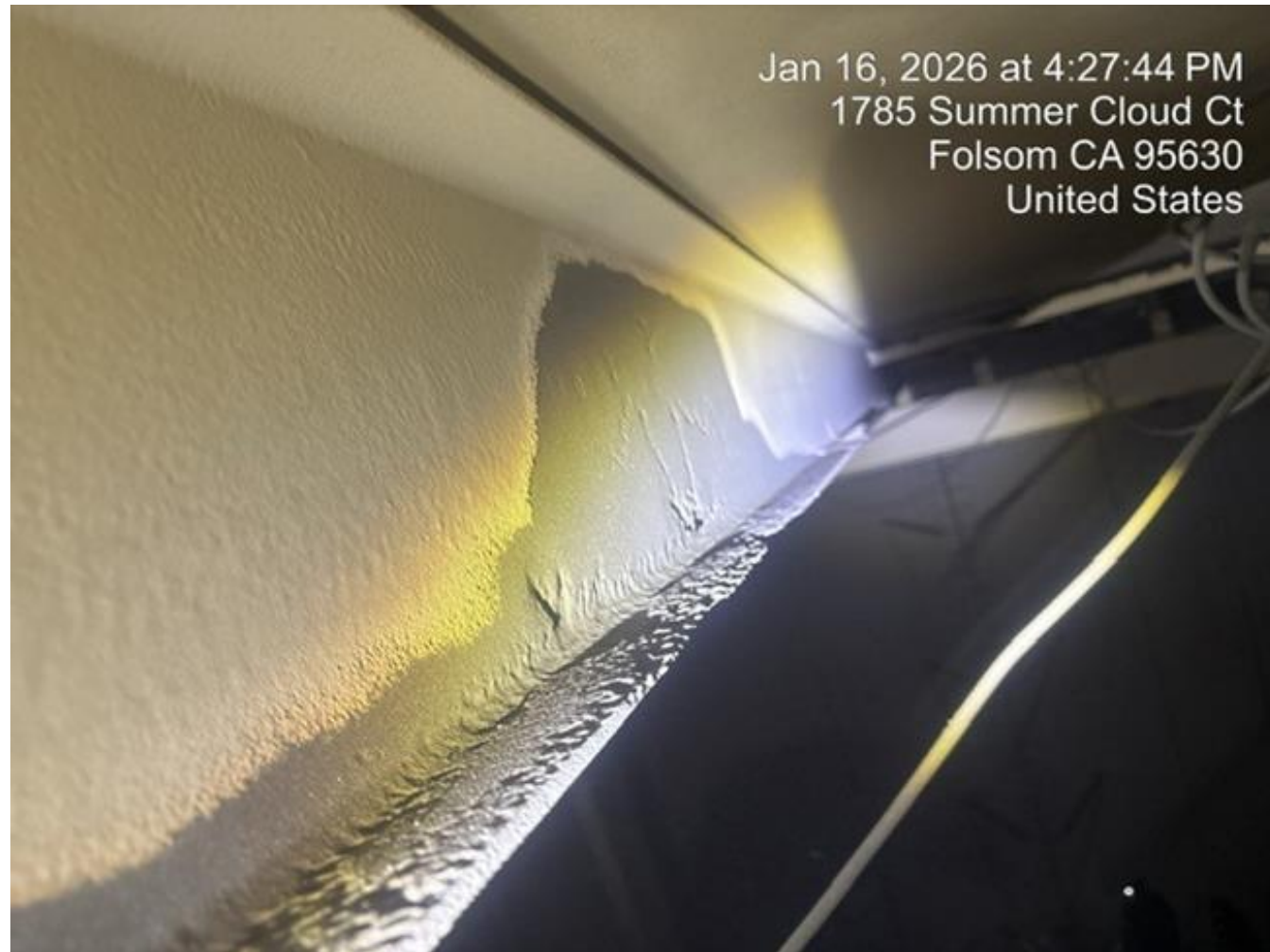
Pictures of Deficiencies



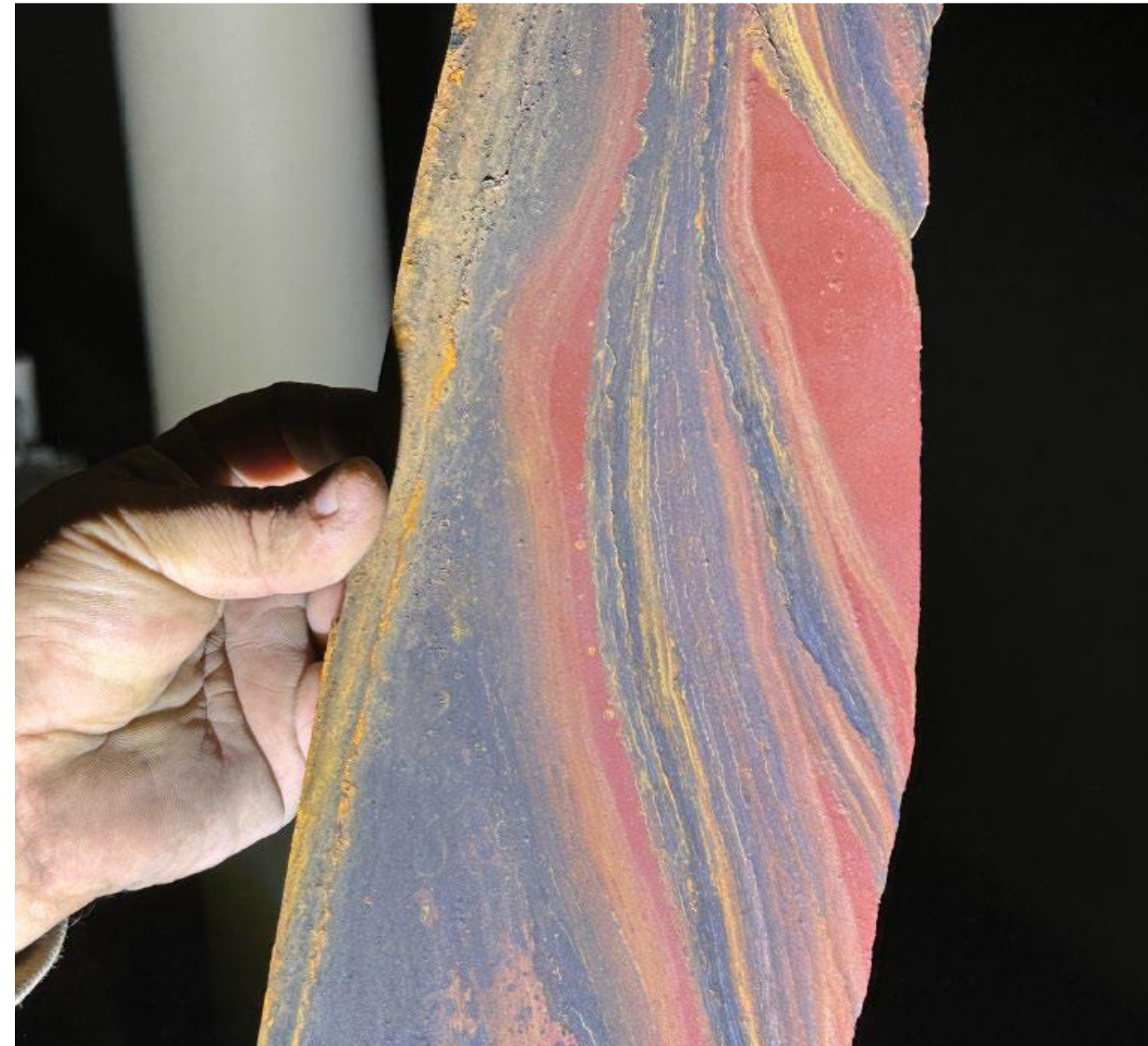
Pictures of Deficiencies



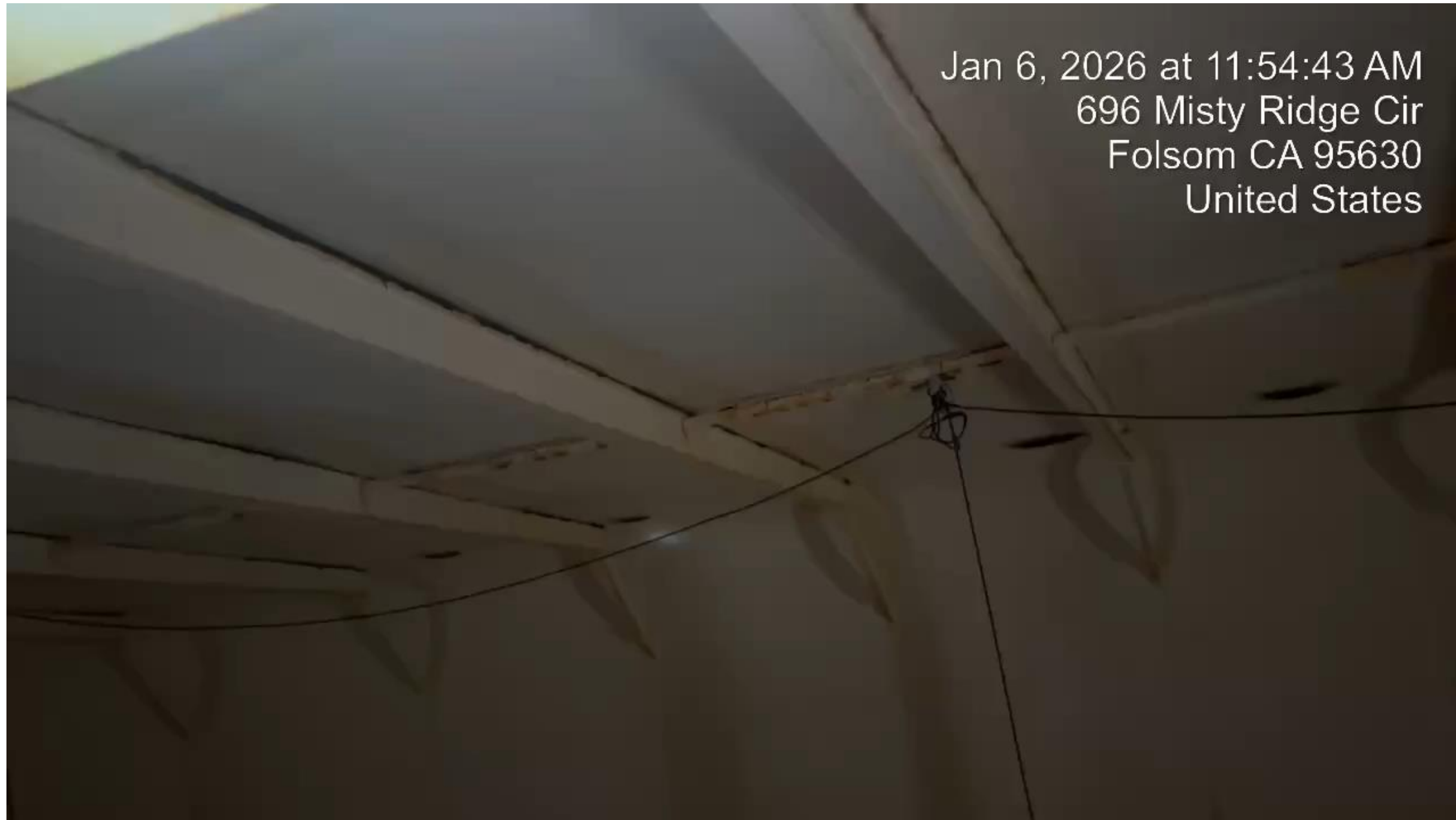
Pictures of Deficiencies



Pictures of Deficiencies



Video of Failure



- Replace 81 deteriorated rafter beams
 - Includes surface preparation and coating
- Install 376 cross braces for structural support
 - Includes Surface preparation and coating
- Rehabilitate 6 girders (install reinforcement plates)
 - Includes surface preparation and coating
- Replace center column support system
 - Includes surface preparation and coating
- Recoat the steel above the water level mark
 - Includes surface preparation and coating

Anticipated Needs – Foothills No. 1



- Replace 90 deteriorated rafter beams
 - Includes surface preparation and coating
- Install 376 cross braces for structural support
 - Includes Surface preparation and coating
- Rehabilitate 7 girders (install reinforcement plates)
 - Includes surface preparation and coating
- Replace center column support system
 - Includes surface preparation and coating
- Recoat the steel above the water level mark
 - Includes surface preparation and coating

Marcus Yasutake
City of Folsom
Utilities Director
916-461-6161

myasutake@folsom.ca.us