## **Meeting Presentations and Conference Proceedings**

- Smith K. (2021) Caltrans District 8 Roadway weather information system (RWIS) procedures and maintenance training presentation. Prepared for Caltrans Traffic Operations District 8, June 22 and 24.
- Smith K. (2021) 2021 quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 2 sites. Final report prepared for Caltrans Traffic Operations District 8, Fontana, CA by Sonoma Technology, Inc., Petaluma, CA, 920025-7554-FR, June.
- MacDonald C.P., Smith K.M., and Dillon M.D. (2017) Considerations for effective upper-air meteorological networks. Extended abstract for the AWMA Air Quality Measurement Methods and Technology, Long Beach, CA, November 7-9. STI-6751.
- Dye T., Stanton L., MacDonald C., Smith K., Roberts P., and Dillon M. (2017) Results and lessons learned from using low-cost PM sensors to detect ambient PM<sub>2.5</sub> and PM<sub>10</sub>. Presented at the *Primary Quality Assurance Organization (PQAO) meeting in Pomona, CA, January 24-26*, by Sonoma Technology, Inc., Petaluma, CA. STI-6644.
- Dye T., Stanton L., MacDonald C., Smith K., Roberts P., Graham A., and Dillon M. (2016) Results and lessons learned from using low-cost PM sensors to detect ambient PM<sub>2.5</sub> and PM<sub>10</sub>. Presented at the *National Association of Clean Air Agencies, Minneapolis, MN, October 17.* STI-6593.
- Dye T., Stanton L., MacDonald C., Smith K., Roberts P., Graham A., Dillon M., and Chan A. (2016) Results and lessons learned from using low-cost PM sensors to detect ambient PM<sub>2.5</sub> and PM<sub>10</sub>. Presented at the *Better Air Quality Conference*, *Busan*, *South Korea*, *September 1*, by Sonoma Technology, Inc., Petaluma, CA. STI-6525.
- Dye T., Stanton L., MacDonald C., Smith K., Roberts P., Graham A., and Dillon M. (2016) Results and lessons learned from using low-cost PM sensors to detect ambient PM<sub>2.5</sub> and PM<sub>10</sub>. Presented at the *National Ambient Air Monitoring Conference, St. Louis, MO, August 8-11*. STI-6517.
- MacDonald C.P., Roberts P.T., McCarthy M.C., Rutter A.P., Dye T.S., Vaughn D.L., Minor H.A., Smith K.M., Henshaw G., Nester S., Morrow D., Winegar E., and Sweet J. (2013) Measuring spatial variability in ozone concentrations using a small-sensor network. Presented at the *A&WMA Air Quality Measurement Methods and Technology Conference, Sacramento, California, November 19–20*, by Sonoma Technology, Inc.; Aeroqual Ltd.; Providence Engineering and Environmental Group, LLC; and the San Joaquin Valley Unified Air Pollution Control District. STI-5750.
- MacDonald C., Vaughn D., Roberts P., Dye T., Rutter A., Minor H., McCarthy M., Smith K., Nester S., Morrow D., Winegar E., and Sweet J. (2013) San Joaquin Valley ozone saturation study: study update. U.S. Environmental Protection Agency, Region 9, San Francisco, CA, September 9, Sonoma Technology, Inc., Petaluma, CA. STI-913040-5754.

## **Formal Reports**

- Smith K.M. (2022) Performance audits of meteorological monitoring stations for South Coast AB617 sites. Report prepared for T&B Systems, Inc., Placerville, CA by Sonoma Technology, Petaluma, CA, STI-922068-7834.
- Scarborough C., Wang N., Penfold B., Hafner H., and Smith K. (2022) Fourteenth annual report of ambient air quality monitoring at sunshine canyon landfill and Van Gogh Elementary School: a fourteen-year

- summary, November 22, 2007–November 21, 2021. Annual report prepared for Planning Department, City of Los Angeles, Los Angeles, CA, by Sonoma Technology, Petaluma, CA, STI-915026-7760, July 30.
- Smith K. (2022) 2022 quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 8 sites. Final report prepared for Prepared for Omar Perez, Caltrans Traffic Operations District 8, Fontana, CA by Sonoma Technology, Inc., Petaluma, CA, STI-920025-7731-FR, May.
- Smith K. (2022) 2022 Quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 8 sites. Final Report prepared for Omar Perez, Caltrans Traffic Operations District 8, Fontana, CA by Sonoma Technology, Petaluma, CA, STI-920025-7670-FR, February.
- Smith K. (2022) 2022 quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 6 sites. Final report prepared for Omar Perez, Caltrans Traffic Operations District 8 Fontana, CA by Sonoma Technology, Inc., Petaluma, CA, STI-920025-7715-FR, April.
- Scarborough C., Wang N., Penfold B., Hafner H., and Smith K. (2021) Thirteenth annual report of ambient air quality monitoring at Sunshine Canyon Landfill and Van Gogh Elementary School: a thirteen-year summary November 22, 2007–November 21, 2020. Annual report prepared for Planning Department, City of Los Angeles and Los Angeles County Department of Regional Planning, Los Angeles, California by Sonoma Technology, Inc., Petaluma, CA, STI-915026-7564-FR.
- Smith K. and Winborg C. (2021) 2021 quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 2 sites. Final Report prepared for Omar Perez, Caltrans Traffic Operations, District 8, Fontana, CA by Sonoma Technology, Inc., Petaluma, CA, STI-920025-7636, November.
- Smith K. (2021) 2021 quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 8 sites. Final report prepared for Caltrans Traffic Operations District 8, Fontana, CA by Sonoma Technology, Inc., Petaluma, CA, STI-920025-7534-FR, May 24.
- Smith K.M. (2020) 2020 quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 2 sites. Final report prepared for Caltrans Traffic Operations, District 8, Fontana, CA by Sonoma Technology, Inc., Petaluma, CA STI-920025-7474, November.
- Smith K.M. (2020) 2020 quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 10 sites. Final report prepared for Caltrans Traffic Operations, District 8, Fontana, CA Sonoma Technology, Petaluma, CA, STI-920025-7455-FR, October.
- Smith K.M. (2020) 2020 quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 2 sites. Final report prepared for Caltrans Traffic Operations, District 8, Fontana, CA Sonoma Technology, Petaluma, CA, STI-920025-7446-FR, October.
- Smith K.M. (2020) 2020 quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 8 sites. Final report prepared for Caltrans Traffic Operations, District 8, Fontana, CA by Sonoma Technology, Petaluma, CA, STI-920025-7434-FR, September.
- Smith K.M. (2020) 2020 quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 8 sites. Final report prepared for Caltrans Traffic Operations, District 8, Fontana, CA Sonoma Technology, Petaluma, CA, STI-920025-7423-FR, August.

- Smith K.M. (2020) 2020 quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 10 sites. Final report prepared for Caltrans Traffic Operations, Fontana, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-920025-7418-FR, August.
- Smith K.M. (2020) 2020 quality assurance calibration and maintenance of roadway meteorological instruments at Caltrans District 2 O'Brien site. Audit report prepared for Highway Electrical Contractors, Inc., Lakeport, CA, STI-920042-7410-FR, July 24.
- Wang N., Penfold B., Hafner H.R., and Smith K. (2020) Twelfth annual report of ambient air quality monitoring at Sunshine Canyon Landfill and Van Gogh Elementary School: a twelve-year summary (November 22, 2007–November 21, 2019). Final report prepared for the Los Angeles City Planning Department and the Los Angeles County Department of Regional Planning by Sonoma Technology, Inc., Petaluma, CA, STI-915026-7404-AR, July 17.
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- Smith K.M., Beamish J.J., Dunn M.R., Baxter R., and Bush P. (2019) South Coast Air Quality Management District upper-air stations surface meteorological data summary. Prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Petaluma, CA, and T&B Systems, Placerville, CA, STI-919032-7198, November 18.
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- Smith K.M. and Kong M. (2018) 2018 quality assurance calibration, maintenance, and evaluation of meteorological instruments and pavement monitors at Caltrans District 6 sites. Final report prepared for Caltrans Traffic Operations, Fontana, CA, by Sonoma Technology Inc., Petaluma, CA, STI-916047-6936-FR, May.
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- MacDonald C.P., Roberts P.T., Smith K.M., and Hafner H.R. (2017) Atmospheric measurements and modeling of the Tehachapi Wind Resource Area (AMMT). Final report prepared for the University of California, Davis, Davis, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-915029-6740-FR, June.
- Smith K.M. and Hafner H.R. (2017) 2016 installation and quality assurance calibration of meteorological instruments and roadway sensors at Caltrans District 3 Highway 89 and Rampart site. Final report prepared for Caltrans Traffic Operations, District 3, Marysville, CA by Sonoma Technology, Inc., Petaluma, CA, STI-916070-6645-FR, January.
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