

**DRAFT**  
**Near-road Guidance Document – Outline**

1. Introduction – This includes objectives of document, summary of content, and references the preamble/rulemaking. As part of the objectives, we will include language on the interest in balancing required monitoring with multi-pollutant monitoring objectives. We will also note: 1) CASAC AAMM feedback and, 2) information on and from near-road pilot efforts.
2. Background – This includes some literature review and specifies what is required in the regulation text to site near-road stations. Given the abundance of literature on this subject, the literature review should focus on identifying the locations and parameters associated with where the maximum concentration occurs (from a multi-pollutant perspective – i.e., for NO<sub>x</sub>, CO, PM, etc – how they're the same or different).
3. Identifying Candidate Near-road Site Areas
  - a. Information Collection – Identifying what resources are needed, where they can be found, and what those data can be used for.
  - b. Ranking Roads by AADT – Using AADT to focus the site selection process
  - c. Other Candidate Near-road Site Considerations
    1. Fleet Mix (notably numbers of heavy-duty trucks/buses)
    2. Roadway Design
    3. Congestion Patterns/Level of Service (LOS)
    4. Terrain
    5. Meteorology
    6. Population Density/Characteristics (e.g. SES)
4. Modeling – How modeling can be used to supplement the near-road siting process
5. Monitoring - How saturation and/or mobile monitoring can be used to supplement the near-road siting process
6. Near-road Site Selection
  - a. Safety
  - b. Logistical Considerations
  - c. Collaborating with other government agencies
  - d. Physical Site Characteristics (e.g. distance, terrain, roadway configuration)
7. Recommended Near-road Site Documentation – This includes recommendations on what to include in annual monitoring network plans and the creation of an “NCore-type” site characterization document for each permanent near-road monitoring station.