

EXHIBIT "A" (Scope of Work)

Non-Project Specific Traffic Engineering Scope of Services

- a. Collect traffic data.
- b. Perform traffic studies or analysis.
- c. Perform Access Management studies and analysis, including but not limited to preparing traffic impact studies as well as the review of major and minor traffic impact studies from developers and other consultants.
- d. Perform corridor signal timing progression plans.
- e. Perform in-field inventories of traffic control devices.
- f. Design and Prepare preliminary and final plans and specifications for all types of traffic plans to meet CDOT, City, or County requirements, including but not limited to:
 - traffic signals (LED displays, mast arm designs, etc)
 - vehicle detection system (video, loop microwave, radar, ultrasonic, etc)
 - interconnect systems (hardware, phone, cellular phone, spread spectrum, radio etc)
 - pavement markings (tape, thermoplastic water based etc)
 - sign and sign support systems (wood, metal and composite systems)
 - intelligent transportation systems devices (variable message boards, closed circuit television, fiber optics and other communications media etc)
 - intersection designs
 - HES projects
 - sign layouts
 - roadway re-stripping and roadway design
 - calculate quantities and estimates for plans
- g. Prepare construction signing plans and schedules. Develop conceptual phased construction plans considering geometric design, capacity analysis, construction signing, temporary guide signing, temporary pavement markings and temporary signal design.
- h. Furnish detailing and drafting services.
- i. Perform construction traffic control management and coordination activities.
- j. Attend meetings as instructed. Prepare visual aids for meetings as needed.
- k. Construction management and inspection and completion of appropriate CDOT paperwork as required.
- l. Roadway surveying with a PLS Stamp as required.
- m. Prepare, update existing plans and present Incident Management plans, studies and manuals for specific corridors as needed.
- n. Teach / instruct CDOT personnel on use of specialized traffic software.
- o. Review, attend meetings and provide technical assistance on traffic impact studies and 1601's as requested.
- p. Provide technical assistance with traffic engineering as requested and white paper write-ups.
- q. Prepare letters of correspondence and meeting minutes.
- r. Provide expert testimony regarding traffic operations.
- s. Provide miscellaneous services regarding traffic operations to help with the Regions day to day operations.