



SR 87 MP 191 to MP 250 Corridor Development Study

Work Plan

October 22, 2018

Task Assignment No. MPD0045-18	SR 87 MP 191 to MP 250 Corridor Development Study
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INTRODUCTION AND BACKGROUND

The SR 87 CDS will advance SR 87 CPS recommendations through a more detailed analysis to confirm the need, evaluate feasibility of, and provide more detailed information on proposed improvements for the needs identified.

SR 87 CDS recommendations will be developed in sufficient detail for consideration and advancement to the ADOT Planning to Programming (P2P) process. Major components of the SR 87 CDS include:

- Traffic Analysis Report that will analyze traffic operations and safety of potential alternatives, which include climbing lanes, variable speed limits (VSL), and a corridor travel information system.
- Environmental Overview (EO) that identifies fatal-flaws and constraints for consideration in the future evaluation of alternatives and the design of improvements. The EO will identify information needed to meet National Environmental Policy Act (NEPA) requirements.
- Feasibility Report that summarizes the information in the Traffic Analysis Report, EO, Initial Scoping Report, Public Involvement Summary Report, and Implementation Plan. The Feasibility Report will include conceptual-level drawings and exhibits, cost estimates, and an implementation plan for use in potential future programming.

PROJECT SCOPE OF SERVICES

Task 1: Project Management

The purpose of this initial task is to refine the project scope and develop a plan for managing the project. The Project Management Plan (PMP) will describe TAC membership and coordination, and is anticipated to consist of the MPD project manager; lead local contacts for the ADOT Northcentral and Central Districts; ADOT technical groups (geotechnical), and ADOT Communications staff.

Deliverables:

- Draft and Final PMP
- TAC Meeting 1 agenda, presentation materials, and meeting summary

Task 2: Initial Scoping Report

The purpose of this task is to document initial Scoping Report issues, concerns, and opportunities identified by stakeholders for consideration during the Corridor Development Study.

Up to four sessions of stakeholder interviews will be conducted near the beginning of Task 2. Study stakeholders could include residents, business and property owners, emergency service providers, governmental representatives. During this outreach, we will solicit feedback on the initial projects identified in the Corridor Profile Study, as well as input on corridor needs and other potential solutions.

Deliverables:

- Materials for the stakeholder interviews
- Draft and Final Initial Scoping Report

Task 3: Traffic Analysis Report

The Traffic Analysis Report will summarize current conditions – demographics and socioeconomics, traffic data, safety, major features including access control and management, multimodal facilities, bridge and pavement, geologic features per field review, major utilities, traffic control, and mapping.

The most recent five years of crash data (2013-2017) will be evaluated to identify crash concentrations and crash patterns (for all crashes) susceptible to correction by countermeasures.

Current peak-hour traffic volumes, classification, and speed data will be obtained from traffic counts conducted by Kimley-Horn team member Field Data Services (FDS) at major intersections along the corridor. Peak-hour traffic volumes will be developed and analyzed for current conditions, future opening-year conditions (5 to 10 years), future interim-year conditions (12 -18 years), and future design-horizon-year conditions (2040).

The Traffic Analysis Report will evaluate improvement alternatives that address the confirmed needs from the CPS. These alternatives could be different improvement solutions to the same issue identified in the CPS, or could be different ways to combine or package improvement solutions. We will also evaluate a no-build alternative. The alternatives analysis will compare how the various alternatives perform relative to each other in categories such as operations, safety, maintenance, cost effectiveness, right-of-way impacts, accommodations for alternate modes, and stakeholder/public support. Special evaluations will be completed to confirm need for a Variable Speed Limit system within the corridor, and need for and limits of passing lanes.

Deliverables:

- Draft and Final Traffic Analysis Report
- TAC Meeting 2 agenda, presentation materials, and meeting summary

Task 4: Feasibility Report

The purpose of this task is to develop a Feasibility Report that documents the findings and recommendations of the CDS. The Feasibility Report will recommend and prioritize specific projects and implementation strategies, along with their associated costs, that address identified needs.

Kimley-Horn will prepare an Initial Feasibility Report, drawing upon documents and analyses prepared in earlier tasks. The Feasibility Report will include current and future conditions, identified traffic safety and mobility needs, an EO, alternatives considered, feasibility concerns, major design features of the preferred alternative, and an Implementation Plan that discusses project development considerations and contains conceptual drawings for proposed improvements and planning-level construction cost estimates.

We anticipate two TAC meetings during Task 4—one to discuss the Initial Feasibility Report and one to present the Final Feasibility Report. A public meeting will present information for feedback.

Deliverables:

- Initial and Final Feasibility Report
- Materials for public meeting
- TAC Meetings 3 and 4 agendas, presentation materials, and meeting summary

Task 5: Modifications

This task is reserved for any additional scope of work items that may be requested by ADOT MPD. The study process may identify a need for additional investigations or expansion of project limits.

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PROJECT SCHEDULE

SR 87 Corridor Development Study
Updated: October 20, 2018

