

EXHIBIT B

SERVICES TO BE PROVIDED BY THE ENGINEER

City: **Round Rock, Texas**
Location(s): **Louis Henna Blvd. between Heatherwilde Blvd. and Arterial A**
Project: **SH 45 Frontage Road Extension Study**

SCOPE OF WORK

The Engineer will conduct a study to project future traffic volumes on the missing frontage road links on SH 45 in the eastbound and westbound direction between Heatherwilde Blvd. and Arterial A. The study will consist of an exhibit showing extension of the frontage roads, identify anticipated land-use, and document funding sources and agencies for the frontage road extension.

Currently, there is a missing link in the frontage road for SH 45 in both the eastbound and westbound directions between Heatherwilde Blvd. and Arterial A. In the eastbound direction, the frontage road ends where the entrance ramp merges with SH 45 main lanes (just to the east of Arterial A). The frontage road resumes just to the east of the toll collection booth, west of Heatherwilde Blvd. In the westbound direction, the frontage road ends just east of the toll collection booth (west of Heatherwilde Blvd) and resumes at Donnell Dr.

No survey or utility coordination will be conducted as part of this project. Exhibits will be drawn on latest aerial imagery available.

TASK OUTLINE

I. PROJECT MANAGEMENT

Project management spans the entire duration of the project and involves monitoring and coordination of services provided to the City to provide timely and efficient completion of the project. This task consists of project control and scheduling, documentation, reporting requirements, staff forums, meetings, and quality control. It is agreed for budgeting purposes that one kickoff meeting and one technical meeting will be held for the Project. Unless otherwise stated herein, it is assumed that all Project review meetings will be held at the City of Round Rock Public Works Department offices.

II. DATA COLLECTION

The Engineer will:

1. Coordinate with the City of Round Rock and City of Pflugerville to obtain existing and proposed land-uses, roadway networks and approved developments along SH 45 between Arterial A and SH 130, information on potential funding arrangements and agreements between different agencies for the roadway extensions.
2. Obtain from the City of Round Rock, City of Pflugerville, and TxDOT any existing plans or schematics for the frontage road extension.
3. Conduct turning movement traffic counts during the AM and PM peak-periods from the at the following locations:
 - (a) Arterial A / SH 45 Underpass
 - (b) Donnell Dr. / High Country Blvd.
 - (c) Heatherwilde Blvd. / SH 45 EBFR-WBFR (eastbound and westbound frontage road)
 - (d) Schultz Lane @ Meister Lane/Diana Dr.
 - (e) Schultz Lane @ New Meister Ln/Monica Ln
 - (f) Meister lane @ New Meister (T-intersection)
 - (g) New Meister Lane @ Heatherwilde Blvd.

4. Conduct 24-hour tube counts at the following location:
 - (a) Entrance ramp in the EB direction between Arterial A and Heatherwilde Blvd.
 - (b) Entrance ramp in the WB direction between Arterial A and Heatherwilde Blvd.
 - (c) Exit ramp in the EB direction between Arterial A and Heatherwilde Blvd.
5. Conduct field investigations of the project.

III. ANALYSIS AND REPORT

The Engineer will:

1. Develop an exhibit (at an appropriate scale) showing a conceptual plan for the extension of the SH 45 frontage roads between Arterial A and Heatherwilde Blvd. using latest aerial imagery available based on the following assumptions:
 - (a) Roadway section for frontage road extension will match existing frontage road and extend parallel to SH 45 mainlanes.
 - (b) Lane geometry will match frontage road segments upstream of the project location.
 - (c) Match curb and gutter section similar to existing frontage road.
 - (d) Roadway profile, drainage features, ROW, parcel, and existing utilities information will not be shown.
2. Update land-use assumptions in the long range regional model to project 2020 traffic volumes on the missing frontage road links.
3. Redistribute existing peak-hour traffic volumes to the missing frontage road links by making reasonable assumptions.
4. Summarize the above findings and information in a technical memorandum.
5. Deliverables
 - (a) Submit a draft technical memorandum to the City for review.
 - (b) Address the comments from the City and submit a final copy of the memorandum.