

INDIVIDUAL PROJECT ORDER NUMBER – **McLeroy Phase 3 Conceptual Design**

Describing a specific agreement between Kimley-Horn and Associates, Inc. (the Consultant), and the City of Saginaw, Texas (the Client) in accordance with the terms of the Master Agreement for Continuing Professional Services dated April 17, 2012, which is incorporated herein by reference.

Identification of Project: **McLeroy Phase 3 Conceptual Design**

Project Understanding:

The Consultant will prepare conceptual design for McLeroy Boulevard from Knowles Drive to Saginaw Boulevard (known as the project limits). The intent of this project is to provide the Client with a conceptual level design that can be used to determine cross-section and begin franchise utility and right-of-way coordination. This project also includes coordination with adjacent property owners, projects and agencies such as PGAL and EMS ISD.

Specific Scope of Basic Services:

Task 1 – Conceptual Design (Lump Sum)

As part of this task, the following subtasks will be performed:

A. Project Management:

- Perform general project management related tasks such as routine communication with the Client, quality control efforts, internal team meetings, project invoicing, and project planning efforts.
- Conduct up to two (2) site visits to observe pre-construction conditions, review topographic features, and to review the design performed as part of this task.
- Prepare for, attend, and conduct up to three (3) project meetings with the Client to discuss the design/project.
- Prepare for, attend and present at up to two (2) City council meetings to discuss the scope and design elements of the project.
- Coordinate, prepare, attend and conduct up to four (4) meetings with adjacent property owners, projects and/or agencies such as PGAL and EMS ISD.
- Obtain existing infrastructure maps from franchise utility companies.

B. Conceptual Design Plan:

- Roll Plot: The Consultant will prepare conceptual plan and profile roadway alignments of McLeroy Boulevard. The plan and profiles will be presented on a roll plot. The concept design will include a plan and profile view which will include the following elements:
 - Existing infrastructure and utilities from available record drawings and topographic survey.
 - Existing and proposed right-of-way and easements.
 - Existing topographic features consisting of existing trees, driveways, fencing, right of way, franchise utilities and existing pavement.
 - Proposed paving features consisting of sidewalks, on-street parking and proposed pavement, curbs and medians.
 - Proposed enhanced crosswalk locations.
 - Proposed location and approximate sizes of drainage features consisting of proposed storm drainage systems and proposed channels and/or ditches.
 - The Consultant and Client will assume an allowance for landscaping, irrigation, illumination, streetscaping to include in the OPCC.

C. Opinion of Probable Construction Costs:

- An OPCC will be prepared for the Conceptual Design Plan. Allowances mentioned in Task 1.B will be used in developing the OPCC. In addition, allowances will be assumed for other design elements and features not specifically noted in Task 1. The Consultant has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Consultant at this time and represent only the Consultant's judgment as a design professional familiar with the construction industry. The Consultant cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Task 2 – Topographic Survey and Right-of-Way Research (Lump Sum)

The Consultant will provide a topographic survey the width of the right-of-way along McLeroy Boulevard from Knowles Drive to Saginaw Boulevard (approximately 5,000 linear feet). A topographic survey will also be performed at side streets and driveways within the project limits. The survey along the side streets will extend approximately 100 linear feet along the side street. Each drainage outfall will be surveyed along with 200 feet on each side of the creek up and down stream. Other subtasks included in the scope are as follows:

- A. Gather existing plat information.
- B. Collect property owner and record information.
- C. Gather existing right-of-way and easement information. Identify easements available through typical research methodologies (i.e. plats, court house filings, etc.). Undocumented easements may not be identified.
- D. Coordinate with Texas 811 to locate and mark existing franchise and public utilities prior to performing the field survey.
- E. Establish horizontal control points.
- F. Establish a vertical control benchmark circuit, as needed, throughout the project.
- G. Set horizontal and vertical control points based on NAD 83 and NAVD 88.
- H. Perform a survey to identify and locate existing topographic elements within the roadway corridor consisting of:
 - Property corner monumentation
 - Existing pavement, curbs, sidewalks, barrier free ramps, etc.
 - Driveways
 - Existing storm drain inlets, manholes, junction boxes (including culvert sizes and invert elevations)
 - Outfalls and erosion control
 - Existing driveway culverts and swales
 - Utility manholes, vaults, water valves, water meters, sprinkler heads, telephone poles, power poles, utility markers, other public utilities, and franchise utilities
 - Signs (excluding temporary signs)
 - Parking lots
 - Retaining walls
 - Trees and Landscaping
 - Fence limits and material types (excluding temporary fences)
- I. Obtain cross-sections throughout the project at 50-foot intervals and grade breaks.
- J. Prepare a final topographic drawing in digital format (including contours and breaklines) showing the features located in the field and an ASCII coordinate file of the points located in the field.

Task 3 – Geotechnical Analysis (provided by subconsultant) (Lump Sum)

As part of this task, the following subtasks will be performed:

A. Subsurface Exploration

- Roadway – Along the roadway alignment, drill and extrude fifteen (15) sample borings to depths of 10' below existing grade using truck-mounted equipment.
 - Check samples for consistency with a hand penetrometer.
 - Stake the boring locations using normal taping procedures.
 - Backfill bore holes and plug at the surface.
 - Rock, if encountered, will be evaluated for hardness by TxDOT cone penetration field testing.

B. Laboratory Services

- Considering the planned facilities, anticipated soil conditions, and geology, the following laboratory tests will be required for classification purposes and to determine strength characteristics:
 - Moisture content and soil identification
 - Liquid and plastic limit determinations
 - Unconfined compression tests to evaluate soil strengths
 - Swell test to determine swell potential and subgrade treatment requirements, including subgrade modifications (if required)
 - Unit weight determinations
 - Eades and Grim lime series tests to determine percent lime required for subgrade stabilization
 - Soluble sulfate tests (to determine lime-induced heaving potential)

C. Engineering Analysis

- Prepare an engineering report presenting the following:
 - Sample boring location map
 - General soil and ground-water conditions
 - Examine samples for visible evidence of sulfates and discuss in the reports
 - Recommendations for appropriate subgrade treatment, stabilization type and concentration
 - Recommendations for subgrade modification (if required)
 - Recommended pavement section based on traffic data
- Submit one (1) copy of the report to the City.

Task 4 – Right-of-Way/Easement Instruments of Conveyance (Reimbursable)

- Prepare right-of-way instruments (field notes and graphic exhibits of right-of-way takes) and setting new property corners in the field
 - Up to six (6) parcels
- Prepare easement instruments (field notes and graphic exhibits of easements required for drainage, City utilities, visibility, temporary construction, etc.)
 - Up to two (2) parcels
- Individual parcel exhibits will be on 8 ½”x11” paper, will be sealed, dated, and signed by a Registered Professional Land Surveyor and will contain the following:
 - Parcel number
 - Area required
 - Area remaining (for right-of-way parcels only)
 - Legal description
 - Current apparent owner
 - Any existing platted easements or easements filed by separate instrument including easements provided by utility companies
 - All physical features
 - Metes and bounds description of parcel to be acquired. The description will be provided on a separate sheet from the exhibit. Each type of easement will be described separately.
- Upon written notification by the City of acceptance of the proposed right-of-way exhibits and instruments, and as directed by the City, Surveyor shall set all corners and points of curvature for the proposed right-of-way and submit final exhibits, including location of the control points and their NAD-83 reference.

Additional Services (as required and authorized):

Any services not specifically provided for in the above scope will be billed as additional services and performed at our then current hourly rates. Additional services we can provide include, but are not limited to, the following:

- Additional project meetings
- Level B and Level A SUE
- Intersection Design at Saginaw Boulevard
- Traffic Counts and analysis
- Final design services

Schedule:

Work will begin upon receipt of Notice to Proceed from the Client and will be completed in a mutually agreed upon schedule.

Terms of compensation:

Kimley-Horn will perform the services in Tasks 1 – 3 for the total lump sum fee below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Client.

Basic Services:

Task 1 Conceptual Design	\$233,000
Task 2 Topographic Survey and ROW Research	\$ 40,000
Task 3 Geotechnical Analysis	\$ 25,000
Total for Basic Services:	\$298,000

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed.

Kimley-Horn will perform the Services in Task 4 on a labor fee plus expense basis upon authorization from the Client. Labor fee will be billed on an hourly basis according to our then-current rates.

Reimbursable Services (Hourly) (Upon Authorization):

Task 4 Right-of-way Documents	\$ 20,000
Total for Reimbursable Services:	\$ 20,000

Total Budgetary Fee: \$318,000

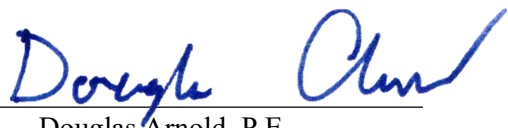
Direct reimbursable expenses such as express delivery services, fees, travel, and other direct expenses will be billed at 1.15 times cost. A percentage of labor fee will be added to each invoice to cover certain other expenses such as telecommunications, in-house reproduction, postage, supplies, project related computer time, and local mileage. Administrative time related to the project will be billed hourly. All permitting, application, and similar project fees will be paid directly by the Client.

ACCEPTED:

CITY OF SAGINAW, TEXAS

KIMLEY-HORN AND ASSOCIATES, INC.

BY: _____
Gabe Reaume
City Manager

BY:  _____
Douglas Arnold, P.E.
Assistant Secretary

DATE: _____

DATE: March 1, 2023