

ATTACHMENT A SCOPE OF SERVICES

Article 3 of the AGREEMENT is amended and supplemented to include the following agreement of the parties. CONSULTANT shall, except as otherwise provided for herein, furnish all Engineering services, labor, equipment, and incidentals (SERVICES) as required for this AGREEMENT.

DESCRIPTION OF PROJECT

24th Avenue SW Bridge over Merkle Creek Bond Project.

DESIGN SERVICES

GENERAL SCOPE OF SERVICES

The following is a scope of services provided by Aguirre & Fields to the City of Norman for bridge and roadway improvements under Contract No. 2324-29.

The scope of the project includes providing design services associated with developing plans and specifications for the rehabilitation of the existing bridge carrying 24th Avenue SW over Merkle Creek (NBI No. 08335). The bridge is located approximately 0.4 miles south of Main Street in Norman, Oklahoma. The existing structure consists of a 3-10'x12' reinforced concrete box with retaining walls for end treatments. The existing roadway has an approximately 54' wide clear roadway that carries four lanes of traffic.



Project Location Map

PROJECT DESCRIPTION

The following items are included in the scope of work for the bridge rehabilitation at 24th Avenue SW over Merkle Creek:

- Perform a field investigation with a visual assessment of the existing RCB and end sections to document the existing conditions.
- The modifications to the existing structure will include:
 - Repairs to the existing RCB and retaining walls on the west end of the structure.
 - Removal of the existing wingwalls on the east end of the structure.
 - RCB extension with end sections on east end of the structure with a sidewalk and pedestrian handrail.
- Full depth roadway replacement of approximately 100 ft over the existing structure.
- Sidewalk replacement is anticipated to be approximately 200 ft and located near the existing bridge.
- Environmental services will be provided by CC Environmental
 - See Appendix A
- Geotechnical services will be provided by Red Rock Consulting
 - See Appendix B
 - Services will include in-survey soil evaluation.
 - Retaining wall analysis services will be added if parallel wingwalls/retaining walls are required on the east end of the structure.
- Land Surveying to produce construction plans will be limited to the following information:
 - Control will be tied to the nearest City of Norman control monument. Two primary control points will be established outside of the survey limits and two benchmarks set near the bridge.
 - Survey topo limits will begin 100 feet south of the bridge and extend north to 100 feet north of the bridge with a width from RW to RW.
 - Utilities will be located within the survey topo limits. "OKIE811" will be notified 72 hours prior to the survey.
 - The centerline of 24th Ave. SW will be approximate and shown based off existing Oklahoma Certified Corner Records coordinates for section corners north and south of the bridge and the present RW will be shown using existing plats.
- Anticipated plan sheets for the final construction plan documents to include the following:
 - Title Sheet
 - Typical Sections
 - General Notes

- Quantity Summaries
- General Plan and Elevation
- Bridge Rehabilitation Details
- Removal Details
- Barrel Extension Details
- Apron Details
- Wing Wall Details
- Pedestrian Handrail Details
- Erosion Control Details
- Stormwater Management Plan
- Roadway Removal Details
- Roadway Reconstruction Details
- Joint Layout Sheet
- Sidewalk Reconstruction Details
- Construction Traffic Control Details
- Permanent Striping Details
- Production of Final Plans and Construction Cost Estimate

TASK 1 SERVICES – PRELIMINARY DESIGN PLAN SUBMITTAL

This task includes the work required to complete preliminary plans as outlined above. Detailed scope items are as follows:

- Perform field investigation, as outlined above.
- Submittal of preliminary plans outlining all potential repairs and replacements to the existing structure for City of Norman review, as outlined above.
- Attend one (1) design review meeting with the City of Norman.

TASK 2 SERVICES – FINAL PLAN SUBMITTAL

This task includes the work required to complete the 90% preliminary design plans, final design plans, and specifications as outlined above. Detailed scope items are as follows:

- Submit 90% preliminary design plans and construction estimate to the City of Norman for review.
- Attend one (1) design review meeting with the City of Norman,
- Prepare final plans, specifications, and construction estimate.
- Complete a Quality Assurance/Quality Control (QA/QC) review.

TASK 3 SERVICES – BIDDING SERVICES

This task includes the work required to perform the bidding service assistance for construction plans prepared as part of this contract. Detailed scope items are as follows:

- Attend and assist with one (1) bid opening meeting.
- Prepare electronic file for bidding purposes.
- Answer questions and provide clarifications to contractors as needed.
- Review bids and provide a contractor recommendation to the City of Norman.

TASK 4 SERVICES – CONSTRUCTION ADMINISTRATION

This task includes the work required to perform the construction administration for the construction project as part of this contract. Detailed scope items are as follows:

- Attend a pre-construction meeting with the successful contractor.
- Attend monthly construction progress meetings. Number of construction meetings is based on a 180-day construction duration.
- Review contractor's submittals.
- Address RFI's, amendments, and change orders.
- Review and recommend approval for payments of contractor's claims.
- Attend final walk-through meeting with the contractor and City of Norman.

TASK 5 SERVICES – AS-BUILT DRAWINGS

This task includes the work required to obtain field changes to the plans as well as incorporate changes into the project drawings. This will be submitted as As-Built plans to the City of Norman.

ADDITIONAL SERVICES (NOT INCLUDED IN SCOPE)

- Right-of-way plans, legal descriptions, or exhibits for required permanent or temporary easements.
- Right-of-way acquisition services
- Construction staking
- Property or boundary survey(s)
- Survey Data Sheets
- Elevation certificate(s)
- Drainage analysis
- Traffic study and/or counts
- Utility relocation or coordination
- Public Meetings
- Roadway profile
- Roadway cross-sections

The City of Norman reserves the right to include the above items as a supplement to this proposal and Aguirre & Fields shall be paid for additional services through a separate agreement.