

ATTACHMENT "A" SCOPE OF SERVICES

AVO 61093 – West Fork Reclamation Feasibility Study

City of Grand Prairie, Texas

Introduction

The City of Grand Prairie is currently evaluating the development potential along the West Fork Trinity River as shown in Figure 1. The City of Grand Prairie would like to evaluate the feasibility of reclaiming the area shown.

Project Goals

Halff will provide an alternative to maximize floodplain reclamation within the project area with consideration of water surface impacts, Corridor Development Certificate (CDC) valley storage requirements and environmental concerns.

Limits of Study

The limits of study are along Bear Creek at Hunter Ferrel Rd and along the West Fork Trinity River at Beltline Rd. The project area is outlined in yellow hatch in Figure 1 below.



Figure 1. Location Map

Project Methodology

Halff proposes to divide the scope of work into three tasks: project management, hydraulic modeling, and environmental review. Each tasks is outlined below:

Task I - Project Management

Effective project management is a critical leadership and management function for a successful project. This task consists of planning the project, executing the plan and making necessary adjustments or changes when needed, as well as closing out the project when work has been successfully completed. The project manager shall be the single point of contact for all correspondences.

- a. Project Coordination
 - i. Hold one kickoff meeting with the city to develop a project work plan, define the project, resources, submittal procedures, control and measures, schedules, billing instructions, change management process, deliverables, goals, etc.
 - ii. Coordinate internally with environmental staff and technical advisor
- b. Project Performance Management
 - i. Hold status update meetings with the city on a monthly basis
 - ii. Provide monthly progress reports and invoices, in electronic format.
 - iii. Provide meeting minutes in electronic format
 - iv. Present final results to City staff

Task II – Hydraulic Modeling

- 1. Hydraulic Modeling
 - a. Perform one field visit of the site to identify and photograph the existing site.
 - b. Compile available hydraulic models and work maps for the West Fork (FEMA and CDC models).
 - c. Utilize best available topographic and survey data available to represent the existing conditions on the site.
 - d. Layout revised cross sections to represent the proposed fill. Cut revised cross sections on the existing conditions terrain.
 - e. Apply conceptual fill within the study limits.
 - f. Compute the valley storage losses due to the proposed site.
 - g. Apply conceptual valley storage mitigation to the models while reducing fill until the maximum conceptual fill is achieved.
 - h. Delineate limits of the selected conceptual 100-year floodplain, 500-year floodplain, floodway, and proposed mitigation areas for the West Fork Trinity River.
 - i. Prepare a brief report describing the methodology and findings of the tasks listed above.
 - j. Meet with City to discuss the findings of the conceptual hydraulic models.

Phase II – Environmental Review

- 1. Environmental Review
 - a. Impacts Assessment
 - i. For each Alternative, Halff will estimate the quantity of impacts to jurisdictional waters identified under a previous scope of work, and provide a determination on potential permitting strategies (e.g. nationwide permit, standard permit) for each site, if independent utility is established. If the two project areas and project components do not allow independent utility then both potential sites will be evaluated as a whole. A memorandum will be prepared prior to a USACE coordination discussing potential permitting scenarios based on each alternative. Further information that will be utilized under this assessment will include environmental base line conditions which was determined under a previous scope of work.
 - b. USACE Coordination Meeting
 - i. Given the location of the study area, any organizational reclamation project will likely exceed the threshold allowable by nationwide permit. A meeting will be coordinated with the USACE Fort Worth District to discuss potential permitting scenarios under the Section 404 program. This meeting is also to understand under what circumstances project impacts could elevate to the level that an Environmental Impact Statement would be required to authorize the project.

Project Schedule

All work will be completed following the schedule below. Tasks such as environmental review, public meetings, and project QA/QC will occur intermittently within the defined project timeframe.

Task I – Project Management	=	6 months
Task II - Hydraulic Modeling	=	4 months
Task III – Environmental Review	=	2 months
Total	=	(6 months)

Project Team and Organizational Chart



ATTACHMENT "B" BASIS OF COMPENSATION

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City of Grand Prairie, Texas

A. Basis of Compensation

- 1. The total lump sum fee for all tasks described in Attachment "A" is below. The cost includes printing, direct costs, and computer charges normally associated with production of these services.
- 2. Fees will be billed monthly based on actual completion of the tasks and may include partial payments of the total amounts designated for each item.
- 3. A detailed fee breakdown has been provided.

B. Fee Breakdown

Task I - Project Management	=	\$5,940
Task II – Hydraulic Modeling	=	\$50,290
Task III – Environmental Review	=	\$10,468
Grand Total		\$ <u>66,698</u>

ATTACHMENT "C" Exclusions

The following items are not included in this proposal but can be provided by Halff Associates if needed:

- 1. Field verification is not included for any of the listed tasks.
- 2. This contract does not include the preparation of a Section 404 permit or any of the necessary supporting documents wetland delineation; threatened and endangered species evaluation; cultural resources study.
- 3. FEMA Submittals including any CLOMR's or LOMR's
- 4. Permitting submittals including CDC or FDP's
- 5. Geotechnical consulting services.
- 6. Grading plans, site plans, or construction plans.
- 7. Utility coordination.
- 8. Property Research.
- 9. Survey.
- 10. Tree survey.
- 11. Urban forestry plan.
- 12. Design, plan, or specifications preparation.
- 13. Landscape and irrigation services.
- 14. Design of off-site facilities.
- 15. Plat or Easement preparation.
- 16. Grading permits.
- 17. Site lighting design.
- 18. Storm water pollution prevention plan (SWPPP) to be prepared by contractor.
- 19. Detention pond design.
- 20. Mitigation for impacts to Waters of the United States.
- 21. Design of electric, gas, telephone or other franchise utilities except as noted herein.
- 22. Certification that the work is built in accordance with the plans and specifications.
- 23. Attendance or preparation for meetings and public hearings except as noted herein.
- 24. Quality control and material testing services during construction.
- 25. Fire protection, gas, telephone, cable and/or electric design.
- 26. Pre- and Post-construction Improvement Survey.
- 27. Construction staking.
- 28. Construction administration, except as specifically identified in this proposal (Construction Related Services).
- 29. Design for relocation, adjustment and/or demolition of existing improvements or infrastructure.
- 30. Irrigation pump station design.
- 31. LEED design or documentation.
- 32. Additional meetings or presentations not specified herein.
- 33. Retaining wall design.
- 34. TDLR submittal and/or fees.