

EXHIBIT 1

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Task A – Preliminary Design Phase

A1 – Project Management

1. Meetings:
 - a. Kickoff Meeting
 - b. Design Review Meetings
 - c. Progress and Coordination Meetings-BiWeekly

DP will prepare and distribute agendas for all meetings with at least one day notice.

2. Coordination:
 - a. DP will coordinate with other DP's adjacent to contract for connection points, schedule, design and construction details, etc.
3. Communication:
 - a. All communication will be submitted electronically.
 - b. Documents will be transferred on the Project Extranet.
4. Administration:
 - a. Invoices will be in a standard format and submitted by the second Friday of each month. Invoices will include a summary of earned value and/or engineering efficiency in a standard format.
5. Reporting:
 - a. Weekly progress reports will be submitted each Friday throughout the project duration, and will include a short summary of schedule, accomplishments, anticipated work, and issues or concerns.
 - b. Monthly progress reports will be submitted by the second Friday of each month, and will include detailed schedule updates, engineering staffing, budget status, and forecast.
 - c. Design progress reports will be submitted with each design progress submittal (30%, 60%, 90%, and 100%). These narrative reports will include a summary of the design status, an outline of any critical issues or concerns, and updates on Engineering Productivity and Deliverables in a standard format.
 - d. Other informational reports such as design reports, calculations, and investigations will be submitted as appropriate in a standard format.
6. Project Schedule:
 - a. Schedules will be prepared utilizing Primavera Version 6.1 or later.
 - b. There will be 3 basic elements to schedule submittals:
 - 1) Baseline schedule: Initial schedule submitted before work begins.
 - 2) Progress schedule: Monthly submittal of a progress schedule documenting progress and any changes anticipated.
 - 3) Schedule narrative: Narrative highlighting changes in the schedule, expected delays, key schedule issues, etc.
 - c. Upon notice to proceed, a draft Baseline Consulting Services Schedule will be prepared and submitted for review with the PM and Owner. Based on comments received, a final detailed Baseline Consulting Services Schedule will be prepared and submitted prior to the first invoice.
 - d. Each month, an updated Progress Consulting Services Schedule will be prepared and submitted for PM and Owner approval. A concise schedule narrative will be included with the monthly updated progress schedule highlighting changes in the critical path,

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expected schedule changes, potential delays, opportunities to expedite the schedule, coordination issues, etc.

A2 – Site Data and Investigations

1. Environmental Investigations:
 - a. Environmental permits and approvals will be performed by the EPC.
 - b. We will coordinate technical data sharing and review of permit submittals.

2. Topographical Survey and Existing Site Conditions:

Depending on design considerations and visibility additional surveying will be required. Required as part of this effort is research and coordination with private utility companies and government agencies. The information gathered as part of this supplemental Surveying will be integrated into the base map. Items that are likely to be mapped as part of supplemental efforts include the following items:

 - 1) Above and below ground utility location, size and type (gas, electric, cable, telephone, sanitary and storm sewer, water, etc.).
 - 2) Areas not mapped from the aerial photographs due to being obscured or other reasons.
 - 3) Details of structures impacting design such as bridges, water courses, wetlands, floodplains etc.
 - 4) Property and public land survey system corners for right of way determination.

Traditional topographical survey will be required for a portion of the project. In addition to the above described work the base map will be prepared using traditional methods.

3. Geotechnical Investigations:
 - a. One boring every 1000', approximately 90 bores at a depth of 20', with at least one boring per mile located in the roadway traffic lane for both paved and gravel roads.
 - b. One boring each side of rivers, waterways, wetland areas,
County drains: 15 drains at a depth of 30' 1 bore each side of drain.
 - c. Flint River: 2 bores at a depth of 50'.
 - d. Holloway Reservoir: 2 bores at a depth of 30' each.
 - e. Road crossings: Bore & Jack , 15 locations at a depth of 30', 1 bore each side of road.
 - f. Wetlands: 15 locations at a depth of 30', 2 bores at each location.
 - g. Railroad: 2 bores at a depth of 50'.
 - h. Sampling and corrosion related testing.

4. Utility Investigations:
 - a. Existing record drawings for known water and waste utilities and facilities provided in Exhibit 4-F will be reviewed and assembled for incorporation into the preliminary plans.
 - b. A utility coordination plan will be developed and implemented for communication with utilities, including notification of the project, requests for facility information, requests for clarifications, transmittal of drawings, and meetings to discuss the project. All requests, transmittals and coordination will be copied to the PM.
 - c. All utility information obtained will be shown on the design base plans and incorporated into the detailed design.
 - d. A utility coordination meeting will be held at the approximately 30% design following completion of basic alignment recommendations to allow involved parties to review and

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comment on the preliminary design drawings. Minutes of the meeting will be prepared and distributed.

5. Verification of Data:
 - a. Site visits (field checks) will be conducted to verify that the information obtained and incorporated into the base drawings is accurate and up-to-date.
6. Review of Owner-provided information:
 - a. The following Owner-provided information will be reviewed and incorporated into the design:
 - 1) General design standards
 - 2) Standard specifications
 - 3) Standard details
 - 4) Typical cross-sections for road restoration
 - 5) CADD standards
 - 6) Corrosion requirements
 - 7) Surge protection requirements

A3 – 30% Design

1. Specific work items for 30% design will include the following:
 - a. Detailed transmission main alignment with survey data incorporated, including existing Right of Way.
 - b. Any alignment concerns related to constructability or easement / right-of-way needs will be identified.
 - c. Staging, storage, access, and off-site access corridors will be identified.
 - d. Preliminary soil erosion and sedimentation control measures will be incorporated into the drawings.
 - e. Preliminary pipe alignment and connection points will be coordinated and reviewed with the PM.
 - f. Maintaining traffic plans will be developed, where applicable.
 - g. Value engineering.
 - h. Preliminary cost opinion, including value engineering options.
 - i. Any additional non-Owner provided specifications needed for the work will be identified.
2. QA/QC review of the preliminary design will be conducted and will include review of the following:
 - a. Supplemental survey.
 - b. Additional geotechnical investigation necessary.
 - c. Horizontal alignment.
 - d. Preliminary details and cross-sections identified.
 - e. Owner provided specifications.
 - f. Line of communication and coordination between DP's on adjacent CP's.
 - g. Preliminary cost estimate.
 - h. Determine if a change in scope has occurred.
 - i. Validation of layer names and rendering styles.
 - j. Potential utility conflicts.
3. A 30% design submittal will be made to the Owner and the Project Extranet, including the following:
 - a. 30% plans with additional survey data incorporated.

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- b. Identification of required supplemental specifications.
 - c. Copy of geotechnical investigation report.
 - d. Completed 30% QA/QC review forms.
 - e. Updated project schedule.
 - f. Value engineering.
 - g. Preliminary cost estimate, including value engineering cost estimate.
 - h. Preliminary Design Report (PDR) and the latest Progress Report.
4. A 30% Design County Review Meeting will be conducted to discuss Owner, PM, Drain Commissioner(s), Road Commissioner(s), and MDEQ comments.
 5. A 30% Design Review Meeting will be conducted to discuss Owner, PM, VE Team, and MDEQ comments. The DPM will be present for each 30% Design Review Meeting.

Task B – Final Design Phase

B1 – Project Management

1. Meetings:
 - a. Design Review Meetings
 - b. Progress and Coordination Meetings- Monthly

DP will prepare and distribute agendas for all meetings with at least one day notice.

2. Coordination:
 - a. DP will coordinate with other DP's adjacent to contract for connection points, schedule, design and construction details, etc.
3. Communication:
 - a. All communication will be submitted electronically.
 - b. Documents will be transferred on the Project Extranet.
4. Administration:
 - a. Invoices will be in a standard format and submitted by the second Friday of each month. Invoices will include a summary of earned value and/or engineering efficiency in a standard format.
5. Reporting:
 - a. Weekly progress reports will be submitted each Friday throughout the project duration, and will include a short summary of schedule, accomplishments, anticipated work, and issues or concerns.
 - b. Monthly progress reports will be submitted by the second Friday of each month, and will include detailed schedule updates, engineering staffing, budget status, and forecast.
 - c. Design progress reports will be submitted with each design progress submittal (60%, 90%, and 100%). These narrative reports will include a summary of the design status, an outline of any critical issues or concerns, and updates on Engineering Productivity and Deliverables in a standard format.
 - d. Other informational reports such as design reports, calculations, and investigations will be submitted as appropriate in a standard format.

6. Project Schedule:

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- a. Schedules will be prepared utilizing Primavera Version 6.1 or later.
- b. There will be 2 basic elements to schedule submittals:
 - 1) Progress schedule: Monthly submittal of a progress schedule documenting progress and any changes anticipated.
 - 2) Schedule narrative: Narrative highlighting changes in the schedule, expected delays, key schedule issues, etc.
- c. Each month, an updated Progress Consulting Services Schedule will be prepared and submitted for PM and Owner approval. A concise schedule narrative will be included with the monthly updated progress schedule highlighting changes in the critical path, expected schedule changes, potential delays, opportunities to expedite the schedule, coordination issues, etc.

B2 – 60% Design

1. Specific work items for 60% design will include the following:
 - a. Final transmission main alignment.
 - b. Staging, storage, access, and off-site access corridors will be defined.
 - c. Soil erosion and sedimentation control measures will be further advanced and incorporated into the drawings.
 - d. Any modifications to the previously submitted information on pipe alignment and connection points will be coordinated and reviewed with the PM.
 - e. Maintaining traffic plans will be refined, where applicable.
 - f. Value engineering.
 - g. Updated cost estimate.
 - h. Any modifications to the previously submitted design will be coordinated and reviewed with the PM.
 - i. Any supplemental and additional specifications needed for all elements of the design will be prepared.
2. QA/QC review of the 60% design will be conducted and will include review of the following:
 - a. Alignment and profile complete.
 - b. Required details and cross-sections initiated.
 - c. Draft outline of specifications.
 - d. Updated cost estimate.
 - e. Preliminary review of constructability.
 - f. Determine if a change in scope has occurred.
 - g. Checked calculations.
3. A 60% design submittal will be made to the Owner and the Project Extranet, including the following:
 - a. 60% plans with complete profiles and details.
 - b. Draft specifications.
 - c. Completed 60% QA/QC review forms.
 - d. Updated project schedule.
 - e. Updated 60% cost estimate.
 - f. Updated Preliminary Design Report (PDR) and the latest Progress Report.
4. A 60% Design County Review Meeting will be conducted to discuss Owner, PM, Drain Commissioner(s), Road Commissioner(s), and MDEQ comments.

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5. A 60% Design Review Meeting will be conducted to discuss Owner, PM, VE Team, and MDEQ comments. The DPM will be present for each 60% Design Review Meeting.

B3 – 90% Design

1. Specific work items for 60% design will include the following:
 - a. Following the Owner's 60% design review, a meeting will be held to discuss the scope, schedule, and steps that will be taken to complete the 90% design with the Owner and PM.
 - b. Incorporation of the requirements into the bidding documents will be coordinated with the Owner and PM.
 - c. A meeting will be held with the PM and all other DP's to seek uniformity for all CP's bidding documents.
 - d. Following receipt of 90% design comments from the Owner, a meeting will be held with the Owner and PM staff to discuss the comments on the design submittal.
2. QA/QC review of the 90% design will be conducted and will include review of the following:
 - a. 60% review comments have been incorporated.
 - b. Alignment and profile complete.
 - c. Details and cross-sections complete.
 - d. Detailed cost estimate complete.
 - e. Specifications complete.
 - f. Detailed constructability review.
 - g. Determine if a change of scope has occurred.
 - h. Checked calculations.
3. A 90% design submittal will be made to the Owner and the Project Extranet, including the following:
 - a. 90% plans with complete profiles and details.
 - b. Final Review Specifications.
 - c. Completed 90% QA/QC review forms.
 - d. Updated project schedule.
 - e. Updated 90% cost estimate.
 - f. Updated Preliminary Design Report (PDR) and the latest Progress Report.
4. A 90% Design Review Meeting will be conducted to discuss Owner, PM, and MDEQ comments. The DPM will be present for each 90% Design Review Meeting.

B4 – 100% Final Design

1. This phase will include development of final documents and specifications for bidding, construction, and permitting.
2. QA/QC review of the 100% design will be conducted and will include review of the following:
 - a. 90% review comments have been incorporated.
 - b. Final plans.
 - c. Final specifications.
 - d. Final quantities.
 - e. Final cost estimate.
 - f. Check absolute positional accuracy – all coordinates (CADD review).
 - g. Coordination with other contracts well defined.

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3. A 100% design submittal will be made to the Owner and the Project Extranet, including the following:
 - a. 100% plans with complete profiles and details. These plans will include original electronic files (AutoCAD 2013 format), hard copies, and PDF's made directly from the electronic files.
 - b. Final Specifications, including original electronic files (Microsoft Word format), hard copies, and PDF's made directly from the electronic files.
 - c. Completed 100% QA/QC review forms.
 - d. Updated 100% cost estimate.
 - e. Updated Preliminary Design Report (PDR).

Task C – Bidding Phase

C1 – Project Management

1. Meetings:
 - a. Pre-bid Meeting

DP will prepare and distribute agenda for PM review and approval and conduct a pre-bid conference with the PM and Owner's representatives attending. The content will highlight project specific requirements and technical information. Minutes of the pre-bid meeting will be prepared and results will be provided to the PM and Owner.

2. Coordination:
 - a. Advertisement for Bid

DP will provide the PM with pertinent information for the Advertisement for Bid.

3. Communication:
 - a. All communication will be submitted electronically.
 - b. Documents will be transferred on the Project Extranet.

4. Administration:
 - a. Invoices will be in a standard format and submitted by the second Friday of each month. Invoices will include a summary of earned value and/or engineering efficiency in a standard format.

5. Reporting:
 - a. Weekly progress reports will be submitted each Friday throughout the project duration, and will include a short summary of schedule, accomplishments, anticipated work, and issues or concerns.
 - b. Monthly progress reports will be submitted by the second Friday of each month, and will include detailed schedule updates, engineering staffing, budget status, and forecast.

C2 – Bid Phase Assistance

1. A procedure for receiving and answering perspective bidder's questions and Requests For Information (RFI) will be implemented and appropriate responses will be developed. This procedure will include a log of all significant bidders' questions and RFI's, and the responses thereto.

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2. Addendum(s), when deemed necessary, will be prepared. The PM will review and approve the addendum prior to issuing the document. The Owner will distribute the bidding documents and maintain a list of document holders.
3. The bid opening will be attended, a tabulation of bids will be compiled, and the numerical results will be communicated to the PM and Owner.
4. A recommendation of award will be made to the PM and Owner, including qualification checks and reasons for making the recommendation.