CITY COUNCIL AGENDA ITEM COVER MEMO

Agenda Item Number_____

Meeting Type: Regular

Meeting Date: 10/25/2012

Action Requested By:
Water Pollution Control

Agenda Item Type

Resolution

Subject Matter:

Agreement with Garver, L.L.C.

Exact Wording for the Agenda:

Resolution authorizing the Mayor to enter into an agreement with Garver, L.L.C. for Engineering Design Services for Force Main Relocation Project – I-565 & County Line Road Interchange Modification, ALDOT Project No. IM-I565(307) & COH Project No. 65-12-SM01

Note: If amendment, please state title and number of the original

Item to be considered for: Action

Unanimous Consent Required: No

Briefly state why the action is required; why it is recommended; what Council action will provide, allow
and accomplish and; any other information that might be helpful.

This contract is necessary to support utility relocation of force mains at the new I-565/County Line Road Interchange proposed for construction in November of this year. Engineering and construction expenses will be reimbursed to WPC by the Alabama Department of Transportation. Engineering services: Phase I – Conceptual Design contract amount Not to Exceed $42,521.18; Phase II – Final Design contract amount Not to Exceed $80,861.93; and Phase III –Construction Administration contract amount Not to Exceed $63,143.84 for a total*

Associated Cost:

Budgeted Item: Select...

MAYOR RECOMMENDS OR CONCURS: Select...

Department Head: Shane Cash

Date: 10-8-2012

revised 3/12/2012

*contract amount Not to Exceed $186,526.95.
Account Nos. 02-6500-0811-1349 &
02-6500-3098-1349

ROUTING SLIP
CONTRACTS AND AGREEMENTS

Originating Department: **Water Pollution Control** Council Meeting Date: **10/25/2012**

Department Contact: **Shane Cook** Phone # **256-883-3778**

Contract or Agreement: **SAHD Agreement**

Document Name: **ALDOT-I565/County Line Road** ALDOT Project No. IM-I565(307) & COH Project No. 65-12-SM01

City Obligation Amount: **$186,526.95**

Total Project Budget: **$186,526.95**

Uncommitted Account Balance: **0**

Account Number: **02-6500-0811-1349** & 02-6500-3098-1349

Procurement Agreements

Not Applicable	**Not Applicable**

Grant-Funded Agreements

Not Applicable	**Grant Name:**

Department	Signature	Date
1) Originating	Shane Cook	10-8-2012
2) Legal	Mary C Catts	10-16-2012
3) Finance	[illegible]	10/17/12
4) Originating		
5) Copy Distribution		
a. Mayor's office (1 copies)		
b. Clerk-Treasurer (Original & 2 copies)		

RESOLUTION NO. 12-_____

BE IT RESOLVED by the City Council of the City of Huntsville, Alabama, that the Mayor be, and is hereby authorized, to enter into an agreement with Garver, L.L.C., in the Not to Exceed Ceiling Price of ONE HUNDRED EIGHTY-SIX THOUSAND FIVE HUNDRED TWENTY-SIX AND .95/100 ($186,526.95) for Engineering Design Services for Force Main Relocation Project - I-565 & County Line Road Interchange Modification, ALDOT Project No. IM-I565(307) & COH Project No. 65-12-SM01, in Huntsville, Alabama, on behalf of the City of Huntsville, a municipal corporation in the State of Alabama, which said agreement supersedes agreement adopted and approved by the City Council on the 12th day of July, 2012, by Resolution No. 12-609. Revised Agreement is substantially in words and figures similar to that document attached hereto and identified as "Agreement between City of Huntsville and Garver, L.L.C. for Engineering Design Services for Force Main Relocation Project - I-565 & County Line Road Interchange Modification, ALDOT Project No. IM-I565(307) & COH Project No. 65-12-SM01" consisting of a total of twenty (20) pages and forty-four (44) additional pages consisting of Attachments 1-16 and the date of October 25, 2012, appearing on the margin of the first page, together with the signature of the President or President Pro Tem of the City Council, and an executed copy of said document being permanently kept on file in the Office of the City Clerk of the City of Huntsville, Alabama.

ADOPTED this the 25th day of October, 2012.

_____
President of the City Council of
the City of Huntsville, Alabama

APPROVED this the 25th day of October, 2012.

_____
Mayor of the City of Huntsville,
Alabama

AGREEMENT BETWEEN

CITY OF HUNTSVILLE, ALABAMA

AND

GARVER, L.L.C.

FOR

ENGINEERING DESIGN SERVICES FOR

FORCE MAIN RELOCATION PROJECT-I-565 & COUNTY LINE ROAD INTERCHANGE MODIFICATION

Project I.D Numbers IM-I565(307) & 65-12-SM01
October 25, 2012

_____
President of the City Council of the City of Huntsville, AL
Date: October 25, 2012

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AGREEMENT BETWEEN
CITY OF HUNTSVILLE, ALABAMA
AND
GARVER, L.L.C.
FOR
ENGINEERING DESIGN SERVICES FOR
FORCE MAIN RELOCATION PROJECT-I-565 & COUNTY LINE ROAD INTERCHANGE MODIFICATION
Project I.D Numbers IM-I565(307) & 65-12-SM01

THIS AGREEMENT made as of the 25th day of October in the year 2012, by and between the CITY OF HUNTSVILLE, ALABAMA (hereinafter called OWNER), and GARVER, L.L.C., (hereinafter called ENGINEER).

WITNESSETH, for the considerations hereinafter set forth, the parties hereto agree as follows:

ARTICLE 1 - ENGAGEMENT OF THE ENGINEER

The OWNER hereby engages the ENGINEER, and the ENGINEER hereby accepts the engagement to provide general engineering and consultation as a representative of the OWNER to include the following:

1.1 Professional engineering services for design of Sanitary Sewer Relocation Project-I-565 & County Line Road Interchange Modification, as further described in ARTICLE 2, and hereinafter called PROJECT.

1.2 By executing this Agreement, the ENGINEER represents to the OWNER that the ENGINEER is a professional qualified to act as the ENGINEER for the PROJECT and is licensed and certified to practice engineering by all public entities having jurisdiction over the ENGINEER and the PROJECT. The ENGINEER further represents to the OWNER that the ENGINEER will maintain all necessary licenses, certifications, permits or other authorizations necessary to act as ENGINEER for the PROJECT until the ENGINEER's remaining duties hereunder have been satisfied. The ENGINEER shall assign only qualified personnel to perform any service concerning the PROJECT. All services rendered by the ENGINEER for the PROJECT shall be performed by or under the immediate supervision of experienced and qualified professionals licensed, certified, and registered as appropriate in the State of Alabama possessing the expertise in the discipline of the service being rendered. The ENGINEER assumes full responsibility to the OWNER for the negligent acts, errors and omissions of its consultants or others employed or retained by the ENGINEER in connection with the PROJECT.

1.3 Execution of this Agreement by the ENGINEER constitutes a representation that the ENGINEER has become familiar with the PROJECT site and the local conditions under which the PROJECT is to be implemented. The ENGINEER agrees to provide all necessary engineering services required to professionally accomplish the ENGINEER's defined scope of services.

ARTICLE 2 – DESIGN SERVICES OF THE ENGINEER

2.1 ENGINEER shall provide for OWNER professional engineering services for design of Force Main Relocation Project- I-565 & County Line Road Interchange Modification.

2.2 These services shall include consultation and advice; customary civil, structural, mechanical and electrical engineering design services; and Architectural services incidental thereto, as outlined herein and further described in the SCOPE OF SERVICES, ATTACHMENT 1.

2.3 Upon the OWNERS authorization, the ENGINEER shall prepare construction documents consisting of drawings and specifications setting forth in detail the requirements for construction of the PROJECT. The ENGINEER warrants that such construction documents are accurate, coordinated and adequate for the construction and in conformity and comply with applicable laws, codes and regulations. Products specified for use shall be readily available unless written authorization to the contrary is given by the OWNER. Products or materials specified by the ENGINEER that are available from only one source shall be justified in writing by the ENGINEER in order to meet applicable federal, state, or local procurement or bid requirements.

2.4 The ENGINEER shall prepare appropriate bid alternates as necessary in order to assure that the PROJECT can be awarded within the PROJECT budget limitations.

2.5 The ENGINEER shall serve as the OWNER's professional representative in those portions of the PROJECT to which this Agreement applies and shall consult with and advise the OWNER during the performance of these services.

2.6 The ENGINEER shall incorporate into its design, and into its final work products, the requirements contained within the OWNER's engineering standards, standard specifications, and design manuals referenced in ATTACHMENT 3. The requirements of the State of Alabama Department of Transportation design standards shall be reviewed for applicability and incorporated into portions of the work where joint participation between the OWNER and the State is applicable. When conflicts are noted between the OWNERS requirements and standards of others, the OWNERS standards shall take precedent. Discrepancies shall be brought to the attention of the OWNER. Deviations from OWNER's requirements shall be identified to the OWNER by the ENGINEER in writing prior to incorporating the changes.

2.7 The ENGINEER shall obtain all Planning Commission approvals with regard to location, character and extent, as required.

2.8 The ENGINEER shall obtain a Utility Project Notification Form (Attachment 10) from all affected utilities on the project by the 60% design review stage. Acceptance shall be provided as a signed original by all affected parties at the 90% design review stage.

2.9 The ENGINEER shall promptly correct, or have corrected, any errors, omissions, deficiencies or conflicts in the ENGINEER's work product or that of his sub-contractors/sub-consultants, without additional compensation for time, reproduction or distribution.

2.10 During the process of design and preparation of the construction documents, the ENGINEER shall review with the OWNER the construction documents, the estimate of probable construction cost, schedule, and other design services issues. Such review shall be, at a minimum, as outlined in ATTACHMENT 4 as 0%, 30%, 60%, and 90% completion stage. Following such reviews, the ENGINEER shall make any appropriate revisions thereto to assure compliance with the OWNER's requirements.

2.11 Field surveying work is required and shall include P.K. Nails or other permanent stationing markings as well as staking of right-of-way, easements and parcels of land acquired by the

City of Huntsville. The Engineer/Land Surveyor shall set property corners at the new right-of-way to meet "Standards of Practice for Surveying in the State of Alabama" as required by the Alabama Board of Registration for Engineering and Land Surveyors. Easements shall be staked as requested by the City of Huntsville. A cost for these services shall be included with the original proposal, Attachment "1".

2.12 The ENGINEER shall comply with the City of Huntsville Tree Ordinance and carry the requirements referenced therein with deliverables (drawings, specifications, etc.) in accordance with Section 27-57 of the City of Huntsville Code of Ordinances (Ord. No. 04-45, §13, 2-12-2004).

2.13 The ENGINEER shall prepare the prebid agenda after obtaining comments from stakeholders such as affected utilities, City of Huntsville Construction Project Engineer and Inspector(s), and other City of Huntsville departments as applicable. The ENGINEER shall moderate the prebid meeting, prepare meeting minutes, make clarifications, prepare addendums, and distribute to bidders.

2.14 A valid City of Huntsville license shall be maintained throughout the term of this contract. Additionally, the engineering firm shall be required to obtain and pay for all other federal, state or local permits, licenses, and fees which may be necessary or required in order to perform the work detailed herein.

ARTICLE 3 – CONSTRUCTION ADMINISTRATION SERVICES OF THE ENGINEER

3.1 The ENGINEER shall provide to OWNER, professional services for activities that occur after the 100% submittal has been made. These services shall include, but not be limited to, consultation and advise, engineering support, design modifications, and shop drawing review.

3.2 The ENGINEER shall provide Construction Administration as described below and shall perform those duties and discharge those responsibilities set forth herein.

3.3 The ENGINEER shall represent the OWNER during construction. The ENGINEER shall act on behalf of the OWNER only to the extent provided herein. The ENGINEER shall be the OWNER'S design representative during performance of the PROJECT, shall consult with and advise the OWNER on all design and technical matters, and shall be the OWNERS representative in dealing with the construction contractor.

3.4 The ENGINEER shall attend pre-construction meetings, prepare monthly progress reports, review and approve invoices, review and approve change orders, attend and keep minutes of meetings with contractors, provide site inspection to the extent necessary to ensure construction is in conformance with the design, resolve the contractor's questions concerning interpretation of the construction documents, act as OWNERS representative in disputes and on claims, and attend public meetings arising out of the construction process.

3.5 The ENGINEER shall determine amounts owed to the contractor based upon examinations of the work, evaluations of the contractor's rate of progress in light of the remaining contract time and upon evaluations of the Contractor's Request for Payment, and shall approve, modify or deny the request for payment and report to the OWNER within ten (10) days of receipt of the request from the contractor.

3.6 The approval of a Request for Payment by the ENGINEER is an express warranty to the OWNER that the ENGINEER has made an examination of the work, that the work has

progressed to the level indicated, that the quality of the work meets or exceeds the requirements of the construction contract, that all necessary and appropriate lien waivers have been submitted, and that the contractor is entitled to payment of the amount certified. In the case of unit price work the ENGINEER's recommendations for payment shall constitute a final determination of quantities and classifications of such work.

3.7 The ENGINEER shall be the initial interpreter of the requirements of the construction documents and the judge of the performance there under by the contractor. The ENGINEER shall act as the OWNER's advisor on claims. The ENGINEER shall render written or graphic interpretations and decisions necessary for the proper execution or progress of the Work with reasonable promptness on request of the contractor.

3.8 The ENGINEER shall reject work that does not conform to the contract documents unless directed by the OWNER, in writing, not to do so. Whenever, in the ENGINEER's opinion, it is necessary or advisable, the ENGINEER shall require special examination or testing of the work in accordance with the provisions of the construction contract whether or not such work is fabricated, installed or completed.

3.9 The ENGINEER shall review and approve, or take other appropriate action upon, the contractor's submittals such as Shop Drawings, Product Data and Samples. Approval by the ENGINEER of the contractor's submittal shall constitute the ENGINEER's representation to the OWNER that such submittal is in conformance with the PROJECT design concept, the construction documents, and the contract for construction. Such action shall be taken with reasonable promptness so as to cause no delay to the contractor or the PROJECT. OWNER shall receive a copy of all approved shop drawings, product data, samples, etc.

3.10 The ENGINEER shall promptly review and approve, or take other appropriate action on proposed "equal materials or equipment." The ENGINEER shall not approve any such proposed equal materials or equipment unless such equals conform to the PROJECT design concept, the construction documents, the contract for construction, and the estimated life cycle PROJECT projections.

3.11 The ENGINEER shall promptly review and evaluate the results of all inspections, tests and written reports required by the contract for construction, which were required by any governmental entity, or which were necessary or advisable. The ENGINEER shall take appropriate action on test results and shall promptly reject any work that does not conform to and comply with the requirements.

3.12 The ENGINEER shall promptly review, administer, manage, and advise the OWNER concerning, proposals and requests for change orders from the contractor. The ENGINEER shall prepare change orders for the OWNER's approval and execution in accordance with the construction contract. The ENGINEER shall not be authorized to "swap out" required changes with reduced construction requirements without the written consent of the OWNER. The ENGINEER shall promptly prepare required drawings, specifications and other supporting data as necessary in connection with minor changes, change order requests, and change orders.

3.13 The ENGINEER shall promptly notify the OWNER in writing of any information it obtains pertaining to any claim; alleged claim, including but not limited to mechanics' liens, construction liens, and builder's trust fund claims; or similar claims, involving any PROJECT contractor, supplier, subcontractor, or consultant, whether or not such claims or alleged claims arise from or relate to the PROJECT.

3.14 The ENGINEER shall at all times have access to the work wherever it is located. The ENGINEER shall not have control or charge of construction means, methods, techniques, sequences or procedures, or safety precautions or programs in connection with the work.

ARTICLE 4 - ADDITIONAL SERVICES

The following services of the ENGINEER are not included in Article 2. Nevertheless, the ENGINEER shall provide such services if authorized in writing by the OWNER, and they shall be paid for by the OWNER as provided in Article 7, unless otherwise noted.

4.1 Making revision in drawings, specifications or other documents when such revisions are inconsistent with written direction by the OWNER previously given, are required by the enactment of revision of codes, laws or regulations subsequent to the preparation of such documents and not reasonably anticipated, or are due to other causes not within the control or responsibility of the ENGINEER, either in whole or in part.

4.2 Preparing drawings, specifications and supporting data in connection with change orders, provided that such change orders are issued by the OWNER due to causes not within the control or responsibility of the ENGINEER, either in whole or in part.

4.3 Providing additional services for repair or replacement of work damaged by acts of God or other cause during construction provided that such services are required by causes not the responsibility of the ENGINEER, either in whole or in part.

4.4 Providing services not otherwise required herein which are made necessary solely by the default of the ENGINEER or major defects or deficiencies in the work of the ENGINEER. These services shall be provided with no increase in the contract amount and will not be compensable on an hourly basis.

4.5 Providing expert witness services and other services arising out of claims.

4.6 Provide services to stake site during construction.

4.7 Provide right-of-way/property staking (see Section 2).

ARTICLE 5 - RESPONSIBILITIES OF OWNER

The OWNER, without cost to the ENGINEER, will perform the following in a timely manner so as not to delay the services of the ENGINEER:

5.1 Assist ENGINEER by placing at ENGINEER's disposal all available information pertinent to the PROJECT including previous reports and any other data relative to design or construction of the PROJECT.

5.2 Provide all criteria and full information as to OWNER's requirements for the PROJECT, including design objectives and constraints, space, capacity and performance requirements, flexibility and expendability, and any budgetary limitations. The OWNER shall also furnish copies of all design and construction standards, which OWNER will require to be included in the drawings and specifications.

5.3 Assist the ENGINEER as necessary in acquiring access to and making all provisions for the ENGINEER to enter upon public and private lands as required for the ENGINEER to perform the work under this agreement.

5.4 Designate in writing a person to act as the OWNER's representative with respect to the work to be performed under this Agreement, such person to have complete authority to transmit

instructions, receive information, interpret and define the OWNER's policies and decision with respect to materials, equipment elements and systems pertinent to the work covered by this Agreement. Examine all studies, reports, sketches, drawings, specifications, proposals and other documents presented by ENGINEER, obtain advice of an attorney, insurance counselor and other consultants as OWNER determines appropriate for such examination and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of ENGINEER.

5.5 When requested by the ENGINEER, the OWNER will intercede on the ENGINEER's behalf when data from, or reviewed by third parties is not on schedule through no fault of the ENGINEER

5.6 The OWNER's review of any documents prepared by the ENGINEER or its consultants shall be solely for the purpose of determining whether such documents are generally consistent with the OWNER's intent. No review of such documents shall relieve the ENGINEER of its responsibility for the accuracy, adequacy, fitness, suitability and coordination of its work product.

ARTICLE 6 - PERIOD OF SERVICES

6.1 The ENGINEER shall commence services pursuant to this agreement - See "ALDOT Agreement for Engineering Services by Consultant on Utility Projects"- Attachment 1-III.

ARTICLE 7 - PAYMENT TO THE ENGINEER

7.1 BASIC SERVICES

The OWNER shall compensate the ENGINEER for services rendered pursuant to this Agreement, excepting those services described as Additional Services in Article 4 of this Agreement, by payment of the Not to Exceed Ceiling Price of ONE HUNDRED EIGHTY-SIX THOUSAND FIVE HUNDRED TWENTY-SIX AND .95/100 DOLLARS ($186,526.95) for design services as described in Article 2 and Article 4.

7.2 REIMBURSABLE EXPENSES

The scope of work for sub-contracted services is defined in the ENGINEER's scope of services, Attachment 1. The scope includes provisions for administration expenses for subcontracted services and reimbursable direct expenses including but not limited to laboratory tests and analyses; computer services; word processing services; permit fees, bonds, telephone, printing, binding and reproduction charges; and other similar costs. Indirect costs will have administrative fee reimbursements limited to no more than 5%. Direct costs are also limited to no more than 5% reimbursement.

Reimbursable expenses shall be limited during the term of this agreement as stated in Art. 7.1 Basic Services.

7.3 NOT TO EXCEED (NTE) CEILING PRICE

NTE Ceiling price. The City of Huntsville (COH) will not be obligated to pay the ENGINEER any amount in excess of the NTE ceiling price as per Attachment "1", and the ENGINEER shall not be obligated to continue performance if to do so would exceed the NTE ceiling price set forth in the referenced attachment, unless and until the COH notifies the ENGINEER in

writing that the NTE ceiling price has been increased and specifies in the notice a revised NTE ceiling that shall constitute the NTE ceiling price for performance under this contract. NTE ceiling price increase will be done by a written unilateral change order to the contract issued by the City that will not require the ENGINEER's approval. When and to the extent that the NTE ceiling price set forth in the referenced attachment has been increased, any hours expended and material costs incurred by the ENGINEER in excess of the NTE ceiling price before the increase shall be allowable to the same extent as if the hours expended and material costs had been incurred after the increase in the NTE ceiling price.

7.4 EFFECTIVE DATE

This contract shall have no force or effect unless and until it is executed by the OWNER and the ENGINEER and a properly executed copy is mailed to the ENGINEER with a notice to proceed (NTP). If a NTP is not issued within sixty (60) days commencing from the last date of execution of this CONTRACT by the OWNER and the ENGINEER, then this CONTRACT shall be NULL AND VOID, the OWNER will not be obligated to any payment to the ENGINEER and the ENGINEER will not be obligated to perform any work under said CONTRACT.

PAYMENT SUMMARY

Engineering Design Services –	
Phase I – Not to Exceed Ceiling Price of	$42,521.18
Phase II – Not to Exceed Ceiling Price of	$80,861.93
Phase III – Not to Exceed Ceiling Price of	$63,143.84
TOTAL CONTRACT AMOUNT:	**$186,526.95**

ARTICLE 8 - GENERAL PAYMENT PROCEDURE

8.1 INVOICES

8.1.1 The ENGINEER shall submit monthly invoices to the Administrative Officer in the Engineering Department, for the basic services described under Articles 2 and 4 for the design of the PROJECT. Invoices must include the City of Huntsville project name and number, dates of services, contract amount, previous billings and current billing. Along with each invoice, the ENGINEER must submit a consultant progress report known as Attachment 6. No payment will be made without the consultant progress report completed and attached. Monthly progress reports shall be submitted monthly even if no request for payment is made. If services under Article 4 are included in the invoice for additional services not included under the lump sum provisions, or services billed as time and material, the classification and hours of such persons rendering the services shall be attached to the invoice.

8.1.2 The signature of the ENGINEER on the invoice shall constitute the ENGINEER's representation to the OWNER that the services indicated in the invoice have progressed to the level indicated, have been properly and timely performed as required herein, that the reimbursable expenses included in the invoice have been reasonably incurred, that all obligations of the ENGINEER covered by prior invoices have been paid in full, and that, to the best of the ENGINEER's knowledge, information and informed belief, the amount requested is currently due and owing,

there being no reason known to the ENGINEER the payment of any portion thereof should be withheld. Submission of the ENGINEER's invoice for final payment and reimbursement shall further constitute the ENGINEER's representation to the OWNER that, upon receipt from the OWNER of the amount invoiced, all obligations of the ENGINEER to others, including its consultants, incurred in connection with the PROJECT, will be paid in full. ENGINEER must designate on Attachment 6 – Progress Report in the appropriate space provided such action has been completed.

8.2 TIME FOR PAYMENT

The OWNER shall make payment for services in Articles 2 and 4 within 60 days of receipt of valid invoice.

8.3 OWNER'S RIGHT TO WITHHOLD PAYMENT

In the event the OWNER becomes credibly informed that any representations of the ENGINEER, provided pursuant to Article 8.1.2, are wholly or partially inaccurate, the OWNER may withhold payment of sums then or in the future otherwise due to the ENGINEER until the inaccuracy, and the cause thereof, is corrected to the OWNER's reasonable satisfaction. Additionally, failure by the ENGINEER to supply substantiating records shall be reason to exclude related costs from the amounts which might otherwise be payable by the OWNER to the ENGINEER.

8.4 REIMBURSABLE EXPENSES

8.4.1 In addition to the requirements set forth in 8.1 above, invoices for reimbursable expenses shall include such documentation as the OWNER may require. Reasonable expenses are limited to the following expenses:

(a) Transportation outside the immediate Huntsville area (50 mile radius) approved in advance by the OWNER in writing and incurred in connection with the PROJECT; (Per Department of Treasury, Internal Revenue Service Publication 1542, Per Diem Rates, for travel within the continental United States). Refer to website: www.irs.gov/pub/irs-pdf/p1542.pdf for more information.
(b) Charges for long-distance communications;
(c) Fees paid for securing approval of authorities having jurisdiction over the PROJECT,
(d) Actual costs of reproduction for items in excess of those included in the required services;
(e) Postage and handling charges incurred for drawings, specifications and other documents.

8.4.2 The ENGINEER shall set forth with particularity on its invoice the nature and cost of the expense item being billed, and attach to its invoice the written authorization, if any, required for such item; and shall bill expenses at actual cost or prevailing rate and without the addition of administrative charge, any multiple or surcharge.

8.5 W-9 TAXPAYER FORM

All ENGINEERING FIRMS are required to submit a Federal Tax Form W-9 to City of Huntsville at the time a contract is awarded. No payments of invoices can be made until this W-9 Tax Form has been properly submitted. A copy of the W-9 Tax Form can be requested from the OWNER or at the following website: www.irs.ustreas.gov/pub/irs-pdf/fw9.pdf

ARTICLE 9 - GENERAL CONSIDERATIONS

9.1 GENERAL

OWNER and ENGINEER agree that the following sections and provisions shall apply to the work to be performed under this Agreement and that such provisions shall supersede any conflicting provisions of this Agreement.

9.2 SUB-CONTRACTED SPECIALIZED SERVICES

The ENGINEER may sub-contract specialized services required of the PROJECT to competent and experienced sub-consultants approved by the OWNER in writing. As a prime professional, the ENGINEER shall act as OWNER's representative for contracting, directing, and managing the services of sub-consultants. The OWNER shall have the right to reject any consultant provided that the OWNER raises a timely objection. At the time of the execution of this Agreement, the parties anticipate that the consultants listed in Attachment "7" hereto will be retained by the ENGINEER to provide services with respect to the PROJECT. Expenses payable to the ENGINEER for administration of subcontracted services are limited to no more than 5% of the cost of the subcontracted services.

9.3 PEER REVIEW

The OWNER reserves the right to conduct, at any time, peer review of designs and drawings prepared by the ENGINEER and/or sub-consultant(s) for the PROJECT. The ENGINEER and sub-consultant(s) agree that knowledge and consent to review of their work by other engineers of the OWNER's choosing is hereby given in accordance with the ADMINISTRATIVE CODE (RULES AND REGULATIONS) of the Alabama State Board of Licensure for Professional Engineers and Land Surveyors, Chapter 330-X-14-.06(a) (13) effective January 2008 and as may be amended now or in the future pertaining to the Code of Ethics for review of the work of another engineer.

9.4 CLARIFICATION OF WORK

If reviewing agencies raise questions regarding the work of ENGINEER, OWNER will participate in such meetings as deemed necessary to explain and clarify this work.

9.5 CANCELLATION OF WORK

This Agreement may be canceled by either party in the event of default or violation of any of the provisions of this Agreement by the other party, by written notice delivered to the address of record by registered mail giving ten (10) days advance notice of the intention to cancel. In the event of cancellation of this Agreement, ENGINEER shall be paid for all work performed to date of cancellation, less any loss, damage, or liability incurred by reason of default of ENGINEER and all records, data, parameters, design calculations and other information collected or obtained in the performance of this Agreement shall be delivered to OWNER.

9.6 CHANGES

9.6.1 The OWNER may, at any time by written order, make changes within the general scope of the Agreement in the services to be provided. If such changes cause an increase or decrease in ENGINEER's cost of, or time required for performance of any services, whether or not changed by any order, an equitable adjustment shall be made and the Agreement shall be modified in writing accordingly. Upon notification of change, ENGINEER must assert any claim of ENGINEER for adjustment in writing within 30 days from the date of receipt unless OWNER grants a further period of time.

9.6.2 If findings in any phase of this PROJECT significantly alter the scope of work for subsequent phases, or if regulations are changed resulting in a scope of work change for any phase, engineering fees set forth in Article 7 may be renegotiated by the OWNER and ENGINEER.

9.7 ENGINEER'S RECORDS

Documentation accurately reflecting services performed and the time expended by the ENGINEER and his personnel and records of reimbursable expenses shall be prepared concurrently with the performance of the services and shall be maintained by the ENGINEER. The ENGINEER shall maintain record copies of all written communications, and any memoranda of verbal communications related to the PROJECT. All such records and documentation shall be maintained for a minimum of five (5) years after the PROJECT date of final completion or for any longer period of time as may be required by law or good practice. If the ENGINEER receives notification of a dispute or of pending or commencement of litigation during this five-year period, the ENGINEER shall continue to maintain all PROJECT records until final resolution of the dispute or litigation. The ENGINEER shall make such records and documentation available to the OWNER upon notice and shall allow the authorized representative(s) of the OWNER to inspect, examine, review and copy the ENGINEER's records at the OWNER's reasonable expense.

9.8 USE AND OWNERSHIP OF DOCUMENTS

All rights of ownership, copyrights, construction documents, including all drawings, specifications and other documents, electronic media, or things prepared by or on behalf of the ENGINEER for the PROJECT are hereby transferred to the OWNER and shall be the sole property of the OWNER and are free of any retention rights of the ENGINEER. The ENGINEER hereby grants to the OWNER an unconditional right to use or to refer to, for any purpose whatsoever, the construction documents and any other documents or electronic media prepared by or on behalf of the ENGINEER for the PROJECT, free of any copyright claims, trade secrets or other proprietary rights with respect to such documents. The ENGINEER shall be permitted to retain copies thereof for its records. The ENGINEER's documents and other work products are not intended or represented to be suitable for re-use by OWNER or others on extensions of the PROJECT or on any other PROJECT. Any re-use without specific written verification or adaptation by ENGINEER will be at OWNER's sole risk and without liability or legal exposure to ENGINEER, and OWNER shall indemnify and hold harmless ENGINEER from all claims, damages, losses and expenses including attorneys' fees arising out of, or resulting from, such reuse by the OWNER; provided however, that this agreement to indemnify and save harmless shall not apply to any reuse of documents retained by, or through, the ENGINEER.

9.9 ESTIMATE OF CONSTRUCTION COST

Since ENGINEER has no control over the construction cost of labor, materials, or equipment, or over the construction contractor(s) methods of determining prices, or over competitive bidding or market conditions, his opinion of probable PROJECT cost or construction cost provided for herein are to be made on the basis of his experience and qualifications and represent his best judgment as a design professional familiar with the construction industry; but, ENGINEER cannot and does not guarantee that proposals, bids or construction costs will not vary from opinions of probable cost prepared by him. If OWNER wishes greater assurance as to the construction cost, he will employ an independent cost estimator.

9.10 TERMINATION FOR CAUSE

This Agreement may be terminated by either party upon seven (7) days written notice to the other should such other party fail substantially to perform in accordance with its material terms through no fault of the party initiating the termination.

9.11 TERMINATION BY THE OWNER WITHOUT CAUSE

The OWNER may terminate this Agreement without cause upon seven (7) days' written notice to the ENGINEER. In the event of such a termination without cause, the ENGINEER shall be compensated for all services performed prior to termination, together with Reimbursable Expenses incurred. In such event, the ENGINEER shall promptly submit to the OWNER its invoice for final payment and reimbursement which invoice shall comply with the provisions of Paragraph 8.1.

ARTICLE 10 - INDEMNITY AND INSURANCE

10.1 INSURANCE

The ENGINEER shall carry insurance of the following kinds and amounts in addition to any other forms of insurance or bonds required under the terms of the contract specifications. The ENGINEER shall procure and maintain for the duration of the job until final acceptance by the OWNER, or as later indicated, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the ENGINEER, his agents, representatives, employees or subcontractor.

10.2 MINIMUM SCOPE OF INSURANCE:

A. General Liability:

Insurance shall be written on an occurrence basis. Claims-made coverage will be accepted only on an exception basis after the OWNER's approval. The same insurance company should write General Liability Coverage and OWNERs ENGINEERs Protective Insurance.

B. Commercial General Liability

Products and Completed Operations
Contractual
Personal Injury
Explosion, Collapse and Underground
Broad Form Property Damage

C. Professional Liability:

Insurance may be written on a "claims-made" basis, providing coverage for negligent acts, errors or omissions in the performance of professional services. Coverage shall be maintained for a discovery and reporting period of no less than five (5) years after completion of the professional services and Certificates of Insurance shall be submitted to the OWNER on a yearly basis during this time frame. Coverage shall be no less comprehensive than that which is carried by at least 25% of the registered engineers or engineering firms contracting in the State of Alabama. Such coverage shall be carried on a continuous basis including prior acts coverage to cover the

subject PROJECT. The professional liability insurance shall contain contractual liability coverage.

D. Automobile Liability:

Business Automobile Liability providing coverage for all owned, hired and non-owned autos. Coverage for loading and unloading shall be provided under either automobile liability or general liability policy forms.

E. Workers' Compensation Insurance:

Statutory protection against bodily injury, sickness or disease or death sustained by employee in the scope of employment. Protection shall be provided by a commercial insurance company or a recognized self-insurance fund authorized before the State of Alabama Industrial Board of Relations. "Waivers of Subrogation" in favor of the OWNER shall be endorsed to Workers' Compensation Insurance.

F. Employers Liability Insurance:

Covering common law claims of injured employees made in lieu of or in addition to a worker's compensation claim.

10.3 MINIMUM LIMITS OF INSURANCE:

A. General Liability:

Commercial General Liability on an "occurrence form" for bodily injury and property damage:

$ 2,000,000 General Aggregate Limit
$ 2,000,000 Products - Completed Operations Aggregate
$ 1,000,000 Personal & Advertising Injury
$ 1,000,000 Each Occurrence

B. Professional Liability:

Insurance may be made on a "claims-made" basis:

$ 500,000 Per Claim - Land Surveyors
$ 1,000,000 Per Claim - Other Professionals

C. Automobile Liability:

$ 1,000,000 Combined Single Limit per accident for bodily injury and property damage.

D. Workers' Compensation:

As required by the State of Alabama Statute

E. Employers Liability:

$ 1,000,000 Bodily Injury by Accident or Disease
$ 1,000,000 Policy Limit by Disease

10.4 OTHER INSURANCE PROVISIONS:

The OWNER is hereby authorized to adjust the requirements set forth in this document in the event it is determined that such adjustment is in the OWNER's best interest. If the insurance requirements are not adjusted by the OWNER prior to the OWNER's release of specifications with regard to the PROJECT in question, then the minimum limits shall apply. The City of Huntsville/OWNER shall be named on the policies of general liability and automobile insurance and on the certificate of insurance as an Additional Insured. Additional Insured status on the Commercial General Liability policy shall be through ISO Additional Endorsement CG 20 10 11 85 or equivalent and coverage shall be afforded on a primary basis.

The policies are to contain, or be endorsed to contain, the following provisions:

A. All Coverage:

The ENGINEER is responsible to pay all deductibles. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled, non-renewal or materially changed by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the OWNER. Cancellation of coverage for non-payment of premium will require ten (10) days written notice to the OWNER.

10.5 ACCEPTABILITY OF INSURERS:

Insurance is to be placed with insurers authorized by the State of Alabama with an A. M. Best rating of A-V or better.

10.6 VERIFICATION OF COVERAGE:

The OWNER shall be indicated as a Certificate Holder and the ENGINEER shall furnish the OWNER with Certificates of Insurance reflecting the coverage required by this document. The A. M. Best rating and deductibles, if applicable, shall be indicated on the Certificate of Insurance for each insurance policy. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf and must be an original signature. Certificates signed using digital signatures will not be accepted. All certificates are to be received and approved by the OWNER before work commences. The OWNER reserves the right to require complete, certified copies of all required insurance policies at any time.

10.7 CONSULTANTS AND/OR SUBCONTRACTORS WORKING FOR THE ENGINEER:

The ENGINEER shall furnish separate certificates and/or endorsements for each subcontractor and/or consultant showing insurance of the same type or types and to the extent of the coverage set forth in this Article 10.

10.8 HOLD HARMLESS AGREEMENT:

A. Other Than Professional Liability Exposures:

The ENGINEER, to the fullest extent permitted by law, shall indemnify and hold harmless the OWNER, its elected and appointed officials, employees, agents, and representatives against all claims, damages, losses and expenses, including, but not limited to, attorney's fees, arising out of or resulting from the performance of the work, provided that any such claim, damage, loss or expense (1) is attributable to

personal injury, including bodily injury sickness, disease or death, or to injury to or destruction of tangible property, including loss of use resulting there from, and (2) is caused by any negligent act or omission of the ENGINEER or any of their consultants, or anyone directly or indirectly employed by them or anyone for whose acts they are legally liable. Such obligation should not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity, which would otherwise exist as to any party or person, described in this paragraph.

B. Professional Liability:

The ENGINEER agrees, to the fullest extent permitted by law, to defend, protect, indemnify and hold harmless the OWNER, its elected and appointed officials, officers, directors, employees, agents, and representatives from and against any and all liability, claims, demands, damages, loss, costs, fees, and expenses (including actual fees and expenses of attorneys, expert witnesses, and other consultants) actually or allegedly arising out of, or resulting from, the professional services of the ENGINEER or the ENGINEER's consultants, subcontractors, or suppliers, including, without limitation, any breach of contract or any negligent acts, errors, or omissions in the performance of the professional services provided pursuant to or as a result of this Agreement. Neither, the OWNER nor the ENGINEER shall be obligated to indemnify the other party in any manner whatsoever for the other parties own negligence. The OWNER agrees, to the fullest extent permitted by law, to indemnify and hold harmless the ENGINEER, its officers, directors, employees and sub consultants against all damages, liabilities or cost including reasonable attorney's fees and defense cost, to the extent caused by the OWNER's negligence acts in connection with the PROJECT and acts of its contractors, subcontractors, or consultants or anyone for whom the client is legally liable.

To the fullest extent permitted by law, the ENGINEER shall defend, protect, indemnify, and hold harmless the OWNER, its elected and appointed officials, officers, directors, employees, agents, and representatives from and against any and all liability, claims, demands, damages, loss, costs, fees and expenses (including actual fees and expenses of attorneys, expert witnesses, and other consultants) for infringement of patent rights, copyrights, or other intellectual property rights, except with respect to designs, processes or products of a particular manufacturer expressly required by the OWNER in writing. If the ENGINEER has reason to believe the use of a required design, process or product is an infringement of a patent, the ENGINEER shall be responsible for such loss unless such information is promptly given to the OWNER.

ARTICLE 11- MISCELLANEOUS PROVISIONS

11.1 GOVERNING LAW

This Agreement shall be governed by the law of the State of Alabama.

11.2 INTENT AND INTERPRETATION

11.2.1 The intent of this contract is to require complete, correct and timely execution of the work. Any work that may be required, implied or inferred by the contract documents, or any one or more of them, as necessary to produce the intended result shall be provided by the ENGINEER.

11.2.2 This contract is intended to be an integral whole and shall be interpreted as internally consistent. What is required by any one contract document shall be considered as required by the contract.

11.2.3 When a word, term or phrase is used in this contract, it shall be interpreted or construed, first, as defined herein; second, if not defined, according to its generally accepted meaning in the engineering industry; and third, if there is no generally accepted meaning in the engineering industry, according to its common and customary usage.

11.2.4 The words "include", "includes", or "including", as used in this contract, shall be deemed to be followed by the phrase, "without limitation".

11.2.5 The specification herein of any act, failure, refusal, omission, event, occurrence or condition as constituting a material breach of this contract shall not imply that any other, non-specified act, failure, refusal, omission, event, occurrence or condition shall be deemed not to constitute a material breach of this contract.

11.2.6 Words or terms used as nouns in this contract shall be inclusive of their singular and plural forms, unless the context of their usage clearly requires a contrary meaning.

11.3 TIME IS OF THE ESSENCE

Time limitations contained herein, or provided for hereby, are of the essence of this Agreement. The ENGINEER understands and acknowledges that time is of the essence in completion of the PROJECT and that the OWNER will incur damages if the PROJECT is not completed on time.

11.4 SUCCESSORS AND ASSIGNS

The ENGINEER shall not assign its rights hereunder, excepting its right to payment, nor shall it delegate any of its duties hereunder without the written consent of the OWNER. Subject to the provisions of the immediately preceding sentence, the OWNER and the ENGINEER, respectively, bind themselves, their successors, assigns and legal representatives to the other party to this Agreement and to the successors, assigns and legal representatives of such other party with respect to all covenants of this Agreement. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of any public body that may be party hereof, nor shall it be construed as giving any rights or benefits hereunder to anyone other than OWNER and ENGINEER.

11.5 THIRD-PARTY BENEFICIARIES

The State of Alabama Department of Transportation is considered to be a third party beneficiary to this Agreement. Otherwise, this Agreement shall inure solely to the benefit of the parties hereto and their successors and assigns. Nothing contained herein is intended to or shall create a contractual relationship with, or any rights in favor of, or any cause of action in favor or, any third party, other than the State of Alabama Department of Transportation against the OWNER or the ENGINEER.

11.6 INTELLECTUAL PROPERTY/ CONFIDENTIALITY

All information, documents, and electronic media furnished by the OWNER to the ENGINEER belong to the OWNER, are considered proprietary and confidential, unless otherwise indicated by the OWNER, and are furnished solely for use on the OWNER's PROJECT. Such information, documents, and electronic media shall be kept confidential by

the ENGINEER, shall only be released as necessary to meet official regulatory requirements in connection with the PROJECT, and shall not be used by the ENGINEER on any other PROJECT or in connection with any other person or entity, unless disclosure or use thereof in connection with any matter other than services rendered to the OWNER hereunder is specifically authorized in writing by the OWNER in advance.

11.7 SUBCONTRACT REQUIREMENTS

The ENGINEER shall include the terms and conditions of this Agreement in every subcontract or agreement with a consultant for this PROJECT so that these terms and conditions shall be binding upon each subcontractor or consultant. The subcontractor(s)/consultant(s) will maintain all licenses and certifications to practice engineering by all public entities having jurisdiction over the PROJECT. The subcontractor (s)/consultant(s) further represent to the OWNER that the subcontractor(s)/consultant(s) will maintain all necessary licenses, certifications, permits or other authorizations necessary for the PROJECT until the remaining duties hereunder have been satisfied.

11.8 NOTICES

Unless otherwise provided, all notices shall be in writing and considered duly given if the original is hand delivered; if delivered by facsimile to 256-427-5325, or is sent by U.S. Mail, postage prepaid to City of Huntsville Engineering, P. O. Box 308 (35804), 320 Fountain Circle (35801), Huntsville, AL. All notices shall be given to the addresses set forth above. Notices, hand delivered or delivered by facsimile, shall be deemed given the next business day following the date of delivery. Notices given by U.S. Mail shall be deemed given as of the second business day following the date of posting.

11.9 STRICT COMPLIANCE

No failure of the OWNER to insist upon strict compliance by the ENGINEER with any provision of this Contract for Professional Services shall operate to release, waive, discharge, modify, change or affect any of the ENGINEER's obligations.

11.10 WAIVER

No provision of this Agreement may be waived except by written agreement of the parties. A waiver of any provision on one occasion shall not be deemed a waiver of that provision on any subsequent occasion, unless specifically stated in writing. A waiver of any provision shall not affect or alter the remaining provisions of this Agreement.

11.11 SEVERABILITY

If any provision of this Agreement, or the application thereof, is determined to be invalid or unenforceable, the remainder of that provision and all other provisions of this Agreement shall remain valid and enforceable.

11.12 ETHICS

The ENGINEER shall not offer or accept any bribes or kickbacks from or to any manufacturer, consultant, trade contractor, subcontractor, supplier or any other individual or entity in connection with the PROJECT. The ENGINEER shall not confer on any governmental, public or quasi-public official having any authority or influence over the PROJECT any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised. The ENGINEER shall not, without the express written permission of the OWNER, engage or recommend to the OWNER engagement of any consultant, trade contractor, subcontractor, or supplier to provide

services on behalf of the ENGINEER, OWNER or PROJECT in which the ENGINEER has a direct or indirect proprietary or other pecuniary interest; or call for the use of or by exclusion require or recommend the use of products, materials, equipment, systems, processes or procedures in which the ENGINEER or in which any consultant, trade contractor, subcontractor, or supplier of the ENGINEER has a direct or indirect proprietary or other pecuniary interest. Without prior notification and written approval of the OWNER, the ENGINEER and the ENGINEER'S subconsultants shall not offer services to the OWNER'S contractor.

11.13 ALABAMA IMMIGRATION ACT

Compliance with the requirements of the (Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2012-535, Code of Alabama (1975) § 31-13-1 through 31- 13-30, commonly referred to as the Alabama Immigration Law, is required for City of Huntsville, Alabama contracts as a condition of the contract performance. As a condition of this agreement, pursuant to Act No. 2012-535, Code of Alabama (1975) § 31-13-1 through 31-13-30, compliance with this requirement shall be done by the ENGINEER by completion of the "City of Huntsville, Alabama Report of Ownership Form" listed as Attachment 2 in this agreement and returning the completed form to the Engineering Division either by fax to 256/427-5325 to the attention of Mary Hollingsworth, hand delivery or mail to: City of Huntsville Engineering Division, P. O. Box 308, Huntsville, AL 35804, or via email to Mary.Hollingsworth@huntsvilleal.gov. The form shall be returned at the time of the signing of the contract by the ENGINEER and must be submitted before the contract is presented to the City of Huntsville City Council for approval.

11.14 E-VERIFY – NOTICE

The ENGINEER shall enroll, and shall remain enrolled for the duration of this contract, in a designated employment eligibility verification system (E-Verify) in accordance with the City of Huntsville Ordinance 09-735. If the ENGINEER uses subcontractors in connection with the performance of work herein and the value of the subcontract exceeds $3,000, the subcontractor shall also comply with this ordinance. The ENGINEER shall include specific written notice in all requests for bids or proposals prepared by the ENGINEER that contractors and any subcontractors are required to enroll in the E-verify program as required by the ordinance. Failure to comply with the requirements of the ordinance shall be a material breach of the contract.

As a condition of this agreement, pursuant to 8 U.S.C.§1324a, Garver, L.L.C. hereby certifies that it has not knowingly employed, recruited, referred for a fee, or contracted with an unauthorized alien, with respect to employment in the United States. Further, Garver, L.L.C., hereby certifies that it has enrolled in the City of Huntsville designated employment eligibility verification system in accordance with Ordinance 09-735 and will maintain enrollment throughout the term of this contract.

Garver, L.L.C.
(Company)

BY: _____
(Authorized Representative)

11.15 ENTIRE AGREEMENT

This Agreement represents the entire agreement between the OWNER and the ENGINEER and supersedes all prior communications, negotiations, representations or agreements, either written or oral. This agreement may be amended only by written instrument signed by both OWNER and ENGINEER.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

OWNER:
CITY OF HUNTSVILLE

BY: _____
Tommy Battle

TITLE: Mayor

ATTEST: _____

Given under my hand this _____day

Of _____, 2012.

_____
Notary Public

My commission expires_____

ENGINEER:
GARVER, L.L.C.

BY: _____
Jerry D. McCarley

TITLE: Regional Office Administrator

ATTEST: Lanekka Carter

Given under my hand this 8th day

Of October, 2012.

Mary A. Hollingsworth
Notary Public

My commission expires 3/28/2015

ATTACHMENT 1
SCOPE OF SERVICES

(Refer to Attachment 1 on following pages in this contract.)

I. If there is a conflict, ALDOT's agreement supersedes City of Huntsville's contract.

II. The guidelines in both agreements must be followed.

GARVER

5125A Research Drive
Huntsville, AL 35805

TEL 256.534.5512
FAX 256.534.5544

www.GarverUSA.com

October 5, 2012

City of Huntsville – Water Pollution Control
Mr. Shane Cook, PE
Director
1800 Vermont Road
Huntsville, AL 35802

Re: Letter Contract for Professional Engineering and Surveying Services
Force Main Relocation – County Line Road & I-565 Interchange

Dear Mr. Cook:

With this letter contract, we (Garver, LLC – "Garver") are pleased to propose our services to you (City of Huntsville – Water Pollution Control – "Client") related to ***the Force Main Relocation Project for the new County Line Road & I-565*** Interchange (State Project No. IM-I565(307)). This letter will describe our proposed scope of services, performance schedule, and payment terms.

Scope of Services
We understand that you want us to provide surveying, design, bidding, and construction phase services for the project. More specifically, we propose to accomplish the following:

1. Surveying Services:
    a. Provide site topographical surveys including necessary detailed information required for design including existing layout, utility locations, trees, roadways, etc.
    b. Provide existing boundary lines, ROW, and easement information.
    c. Provide plats and legal descriptions for any necessary T.C.E.'s (temporary construction easements) or permanent easements to be required, limited to a total of 8 separate plats.
2. Design Services:
    a. Preparation of a bid ready set of construction documents for the relocation of the exiting 18" DIP force main located just south of the current I-565 interstate near County Line Road.
    b. Design of a new gravity line to replace the existing County Line Road Pump Station and Forcemain. The new gravity line route will be located in the ROW or otherwise determined by Water Pollution Control/Planning prior to design phase.
    c. Completing Preliminary project cost opinions.
    d. Preparation of project specific submittals
    e. Permit(s) and LCE review assistance as required.
    f. Coordinating with ALDOT for project cost reimbursement.
3. Bidding Services:
    a. Contract Bid administration (including assistance with bid advertisement, bid tabulation, pre-bid meeting, and bid opening).
4. Construction Phase Services:
    a. Providing part-time/full-time, qualified construction observers for the duration of the construction period (assumed to be 120 day construction period).

b. Providing qualified construction observers for the necessary testing procedures associated with the construction work.
c. Providing full-time, qualified construction administration for the duration of the construction period (pre-construction meeting, progress meetings, submittal reviews, coordination, pay request reviews, etc.).

For clarification, our proposed scope of services does not include the following:

1. Utility relocation design other than water and sewer.
2. Preparation of a Stormwater Pollution Prevention Plan.
3. Wetlands identification or mitigation design or other work related to environmentally or historically (culturally) significant items. These services will be additional if required for any permits.
4. Changes to major design elements after previous direction or approval or redesign to accommodate Client's or Owner's budget after receipt of construction bids that exceed Garver's cost opinions.
5. Construction materials testing.

These and other services are considered as extra work and can be added to this agreement by written amendment.

Schedule
We will begin the work immediately upon authorization and will accomplish the work on a mutually agreeable schedule. We anticipate completing this project within 180 days of the notice-to-proceed. Assuming a notice-to-proceed is issued on October 26, 2012, our project end date would be April 24, 2013.

Payment Terms

We propose to provide these services on a time-and-materials basis with a cumulative fee not to exceed $42,521.18 for Phase I – Conceptual Design, $80,861.93 for Phase II – Final Design, and $63,143.84 for Phase III – Construction Administration, for a total engineering fee of **$186,526.95.**

Please indicate your acceptance of this proposed contract by signing in the space provided below. Please return one signed original of this contract to us for our records. We appreciate the opportunity to provide our services to you.

Sincerely,
GARVER, LLC

Kevin W. Kenney, PE
Vice President
Senior Project Manager

CC:

Attachments: ALDOT contract
Hourly Rates

Accepted for City of Huntsville, WPC by:

Shane Cook

Mr. Shane Cook, PE

Title: Director

Date: 10-5-2012

Revised
6-19-01

ALABAMA DEPARTMENT OF TRANSPORTATION

(AGREEMENT FOR ENGINEERING SERVICES BY CONSULTANT ON UTILITY PROJECTS)

This Agreement is entered into by and between the Owner of the Utility City of Huntsville Water Pollution Control (hereinafter called the OWNER) and Garver, LLC (hereinafter called the ENGINEER)
Engineer's Phone Number (256) 534-5512

WITNESSETH:

That, in consideration of the terms, covenants, and conditions hereinafter set forth, the parties hereto, agree as follows:

I. Description and scope of work:

(a) Preliminary Engineering - The ENGINEER will make all preliminary studies, designs, plans, specifications, and estimates for relocation of the OWNER'S utility facilities that are in conflict with the proposed construction of Alabama Department of Transportation (hereinafter at times referred to as State) Project No. IM-I565(307) in Limestone County, Alabama; said project being described on the project plans as I-565, New Interchange at County Line Road.

The work will, when requested by the OWNER, include consideration of alternate methods deemed feasible for accomplishing the relocation of the utility facilities or the retention thereof; the purpose being to develop the most economical solution that is feasible in compliance with Code of Federal Regulations 23 CFR 645 and 635, as applicable.

The ENGINEER will also assist the OWNER in soliciting bids, selecting a contractor and awarding the contract when the relocation work is to be accomplished by the lowest responsible bidder. The ENGINEER and the OWNER will comply with the provisions of Code of Federal Regulations 23 CFR 635 and State law, as applicable, when soliciting bids, selecting a contractor, and awarding the contract.

(b) Construction Engineering - Subsequent to approval by the State of the utility relocation plans, contract documents and authorization of award of contract by the OWNER to the lowest responsible bidder, the ENGINEER will perform the engineering and inspection work to assure the performance and completion of the work in accordance with the approved contract plans and specifications, in accordance with all applicable provisions of 23 CFR 645 and 635.

(c) The State of Alabama Department of Transportation Utility Manual, and all applicable provisions of the Federal-Aid Policy Guide, will govern in development of plans and accomplishment of the work on this project. Such Utility Manual is of record within the Alabama Department of Transportation at the execution of this Agreement and is hereby made a part hereof by reference.

II. Obligation of OWNER to ENGINEER:

In connection with this work the OWNER will: (1) As far as possible, cooperate with the ENGINEER in making necessary arrangements with public officials and with such individuals as the ENGINEER may need to contact for advice, counsel, and information; (2) furnish all available as built drawings; (3) furnish any roadway, bridge and utility drawings that may be available from the Alabama Department of Transportation.

III. Time of Beginning and Completion:

After approval of this agreement by the State, the OWNER will notify the ENGINEER to proceed with the professional services. The ENGINEER will complete Phase I of the engineering work within 30 calendar days after date of written notice to proceed; Phase II within 60 calendar days after date of written notice to proceed; and Phase III within 180 calendar days after date of written notice to proceed. In the event the OWNER with the approval of the State deems it advisable or necessary in the execution of the work to make substantial alterations which will increase or decrease the scope of work outlined in this agreement, the time limit specified herein may be adjusted in accordance with Article VII, of this Agreement.

IV. Payments:

For services provided for, when performed by the ENGINEER in accordance with this agreement, and as full and complete compensation therefore, including all necessary expenditures made and incurred by the ENGINEER in connection with this agreement, except as otherwise expressly provided herein, and subject to and in conformity with all provisions of this agreement, the OWNER will pay the ENGINEER the actual cost plus a fixed fee for profit as provided for in Code of Federal Regulations 23 CFR 172.

The ENGINEER will keep separate records of Engineering cost on each phase of work, including hours worked by each employee classification, payroll additives, expenses, transportation and subsistence which are directly allocable to this contract. Payments will be made on the basis of acceptable accounting records of the ENGINEER which are subject to acceptance by the State and which records will be kept in compliance with Part 30 and 31, Federal Acquisition Regulations. Overhead will be based on the latest available information and must be supported by the ENGINEER'S records. All records will be made and kept in keeping with generally acceptable accounting practices and will be made available, if requested, for inspection by representatives of the OWNER, State, and Federal Highway Administration, and copies thereof shall be furnished by the ENGINEER if requested. All records necessary to substantiate charges under this contract will be retained by the ENGINEER for a period of at least three years after final reimbursement payment to the OWNER by the State for the project work.

The actual cost for each phase of work accomplished will include (1) all costs related to salaries of employees for time directly chargeable to the particular phase of the project work; the salaries of principals for time they are productively engaged in work on a particular phase necessary to fulfill the terms of this contract; (2) Salary additives, the ENGINEER'S expenses and overhead to the extent they are properly allocable to the particular phase of work of the project; and (3) transportation cost, computed at the rate shown hereafter, and subsistence, computed on basis of necessary actual out-of-pocket expenses when working away from the home office on the particular phase of work.

Extra work will not be performed until and unless written authority is received from the OWNER indicating approval of the extra work and of the new maximum amount and the OWNER will not issue such written authority until and unless the OWNER is so authorized in writing by the State. Such a change, if approved, will not change or limit any of the other terms, conditions, or requirements of this agreement, provided however, additional time for completion of work may be given in accordance with Article VII, hereof.

The acceptance by the ENGINEER of the final payment will constitute and operate as a release to the OWNER of all claims and liability to the ENGINEER, its representatives and assigns for any and all things done, furnished or relating to the services rendered by the ENGINEER under or in connection with this agreement or any part thereof, provided that no unpaid invoices exist because of extra work required at the written request of the OWNER.

The ENGINEER will perform the necessary engineering work and unless substantial authorized change is made in the plans or scope of work, and/or the responsibilities of the ENGINEER, the maximum payment for Phase I shall not exceed **$42,521.18**; the maximum payment for Phase II will not exceed **$80,861.93**; and the maximum payment for Phase III will not exceed **$63,143.84**.

The hourly labor rates shown below are based on the accounting records of the ENGINEER and the ENGINEER certifies that such rates are those rates paid by the ENGINEER during the preceding twelve (12) month period. The ENGINEER will be paid for actual cost incurred plus the fixed fee for profit not to exceed

the maximum amounts for each Phase. In the event there are substantial changes in the plans and/or scope of work approved by the Alabama Department of Transportation, which significantly increases or decreases the work and/or responsibilities of the ENGINEER, the maximum fee may be adjusted by agreement approved by the State.

If transportation is included in the Consultant Engineer's Overhead Factor, a direct charge should not be made for transportation.

Maximum Engineering Cost for Phase I

Senior Project Manager (E-6)	6	hours	@	$66.14	$396.84
Senior Project Manager (E-4)	8	hours	@	$41.39	$331.12
Project Manager (E-3)	130	hours	@	$36.61	$4,759.30
Surveyor (S-5)	32	hours	@	$38.25	$1,224.00
Survey Crew (S-1)	78	hours	@	$11.80	$920.40
Survey Crew (S-2)	78	hours	@	$15.49	$1,208.22
Survey Crew (S-3)	78	hours	@	$18.98	$1,480.44
Construction Observer (C-3)	10	hours	@	$47.98	$479.80
Construction Observer (C-2)	0	hours	@	$32.50	$0.00
Construction Observer (C-1)	0	hours	@	$22.64	$0.00
Technician (T-1)	82	hours	@	$20.04	$1,643.28
Administration (X-3)	8	hours	@	$27.74	$221.92
Administration (X-1)	8	hours	@	$13.54	$108.32
TOTAL LABOR	**518**	**hours**			**$12,773.64**
Overhead Factor = 1.9770 (including payroll additives)					**$25,253.49**
Transportation (400 miles @ $0.55) **(This rate is not to exceed the rate allowed by State Law)**					**$220.00**
Subsistence: Meals and Lodging					**$100.00**
Reproduction Costs					**$200.00**
SUBTOTAL					**$38,547.13**
FCCM FACTOR-OFFICE (0.0098)					**$73.12**
FCCM FACTOR-FIELD (0.0087)					**$46.22**
FIXED FEE FOR PROFIT					**$3,854.71**
MAXIMUM AMOUNT PAYABLE FOR PHASE I ENGINEERING					**$42,521.18**

Maximum Engineering Cost for Phase II

Senior Project Manager (E-6)	12	hours	@	$66.14	$793.68
Senior Project Manager (E-4)	44	hours	@	$41.39	$1,821.16
Project Manager (E-3)	330	hours	@	$36.61	$12,081.30
Surveyor (S-5)	0	hours	@	$38.25	$0.00
Survey Crew (S-1)	0	hours	@	$11.80	$0.00
Survey Crew (S-2)	0	hours	@	$15.49	$0.00
Survey Crew (S-3)	0	hours	@	$18.98	$0.00
Construction Observer (C-3)	24	hours	@	$47.98	$1,151.52
Construction Observer (C-2)	0	hours	@	$32.50	$0.00
Construction Observer (C-1)	0	hours	@	$22.64	$0.00
Technician (T-1)	400	hours	@	$20.04	$8,016.00
Administration (X-3)	16	hours	@	$27.74	$443.84

Administration (X-1)	14	hours	@	$13.54	$189.56
TOTAL LABOR	**840**	**hours**			**$24,497.06**
Overhead Factor = 1.9770 (including payroll additives)					**$48,430.69**
Transportation (120 miles @ $0.55) **(This rate is not to exceed the rate allowed by State Law)**					**$66.00**
Subsistence: Meals and Lodging					**$100.00**
Reproduction Costs					**$200.00**
SUBTOTAL					**$73,293.75**
FCCM FACTOR-OFFICE (0.0098)					**$228.79**
FCCM FACTOR-FIELD (0.0087)					**$10.02**
FIXED FEE FOR PROFIT (10%)					**$7,329.37**
MAXIMUM AMOUNT PAYABLE FOR PHASE II ENGINEERING					**$80,861.93**

Maximum Engineering Cost for Phase III

Senior Project Manager (E-6)	2	hours	@	$66.14	$132.28
Senior Project Manager (E-4)	4	hours	@	$41.39	$165.56
Project Manager (E-3)	102	hours	@	$36.61	$3,734.22
Surveyor (S-5)	2	hours	@	$38.25	$76.50
Survey Crew (S-1)	10	hours	@	$11.80	$118.00
Survey Crew (S-2)	10	hours	@	$11.80	$154.90
Survey Crew (S-3)	20	hours	@	$18.98	$379.60
Construction Observer (C-3)	10	hours	@	$47.98	$479.80
Construction Observer (C-2)	360	hours	@	$32.50	$11,700.00
Construction Observer (C-1)	40	hours	@	$22.64	$905.60
Technician (T-1)	0	hours	@	$20.04	$0.00
Administration (X-3)	12	hours	@	$27.74	$332.88
Administration (X-1)	12	hours	@	$13.54	$162.48
TOTAL LABOR	**584**	**hours**			**$18,341.82**
Overhead Factor = 1.9770 (including payroll additives)					**$36,261.78**
Transportation (3,000 miles @ $0.55) **(This rate is not to exceed the rate allowed by State Law)**					**$1,650.00**
Subsistence: Meals and Lodging					**$500.00**
Reproduction Costs					**$600.00**
SUBTOTAL					**$57,353.60**
FCCM FACTOR-OFFICE (0.0098)					**$44.37**
FCCM FACTOR-FIELD (0.0087)					**$10.52**
FIXED FEE FOR PROFIT (10%)					**$5,735.36**
MAXIMUM AMOUNT PAYABLE FOR PHASE III ENGINEERING					**$63,143.84**

Revised
6-19-01

V. Construction Cost Estimate For Project

The estimated relocation cost is in the amount of **$1,446,950.00** exclusive of engineering cost and is described in Exhibit B which is attached hereto and is hereby made a part hereof.

VI. Ownership of Engineering Documents:

Upon completion of the work covered by this agreement and receipt of all monies due, the ENGINEER, will deliver to the OWNER all survey notes, computations, maps, tracings and all other documents and data pertaining to either the work or the project, which material will become the property of the OWNER. All original tracings of maps and other engineering data furnished to the OWNER by the ENGINEER will bear thereon the endorsement of the ENGINEER.

VII. Delays and Extension:

In the event additional work or unavoidable delays prevent completion of the services to be performed under this agreement in the time specified in Article III, the OWNER may grant, subject to prior written approval of the State, a time extension provided written application is made by the ENGINEER within ten (10) days after the alleged delay has occurred. Any time extensions for extra work will be based on the complexity, extent and magnitude of the extra work.

VIII. Termination or Abandonment:

The OWNER will have the absolute right to abandon the work or to amend the work or project at any time, and such action on its part will in no event be deemed a breach of contract.

The OWNER has the right to terminate this agreement and make settlement with the ENGINEER upon the basis of actual cost for work performed in accordance with this agreement at the time of termination, plus the percentage of profit based upon the work completed to date of termination.

In the event the Alabama Department of Transportation notifies the OWNER, at any time that the ENGINEER should cease work, the OWNER will immediately notify the ENGINEER to cease work and the ENGINEER will cease all work immediately upon notification by the OWNER to cease work. No payment and no reimbursement will be made for work performed by the ENGINEER beyond a period of four (4) working days following notification by the OWNER to cease work. Any payment to the ENGINEER by the OWNER, and any reimbursement to be made to the OWNER will be for the actual cost of the ENGINEER plus the pro-rated portion of the fixed fee for profit, based on the work completed at the end of the four (4) day period. This pro-ration will be developed by dividing the value of the work completed to date under that phase by the total value of that phase of work less profit, to arrive at a multiplier. This multiplier will then be multiplied by the total fixed fee for profit for that phase of work applicable, to arrive at a dollar value for the amount of fixed fee for profit to be paid by the OWNER.

IX. General Compliance With Laws:

The UTILITY will observe and comply with the provisions of all Federal, State and Municipal laws and regulations as the provisions thereof are applicable hereto in the performance of work hereunder, including the Clean Water Act of 1987, the Alabama Nonpoint Source Management Program of 1989, and the regulations of the Environmental Protection Agency (EPA) and the Alabama Department of Environmental Management (ADEM). The UTILITY will procure and pay for all licenses and permits that are necessary for its performance of the work.

Revised
6-19-01

X. Subletting, Assignment, or Transfer:

This contract shall be binding upon the successors and the assigns of the respective parties hereto.

There will be no assignment, subletting, or transfer of the interests of the ENGINEER in any of the work covered by this agreement without written approval of the State and consent of the OWNER. In the event the OWNER gives such consent with prior approval of the State, all the terms and conditions of this agreement will apply to and bind the party or parties to whom such work is consigned, sublet or transferred as fully and completely as the ENGINEER is hereby bound and obligated.

XI. Employment of Federal, State, County or City Workers:

Without the written consent of the Alabama Department of Transportation the ENGINEER will not engage, on full or part-time or other basis during the period of the agreement, any professional or technical personnel who are or have been at any time during the period of this agreement or within a period of one (1) year immediately prior thereto, in the employ of the Federal Highway Administration or the Highway Organization of any State, County, or City, except regularly retired employees, retired for a period of at least one (1) year prior to the effective date of this agreement.

XII. ENGINEER'S Endorsement:

The ENGINEER will endorse the original title or cover sheet of all sets of plans, estimates, reports and engineering data required to be furnished by him under the terms of this agreement. All endorsements will contain the seal and signature of an Alabama Licensed Professional Engineer and such Engineer can be a bona fide employee of the ENGINEER hereunder. In the event the ENGINEER does not perform as Project Engineer or Manager, the ENGINEER will designate a Project Engineer or Manager who has authority to receive and act upon instructions and directions of the OWNER and whose actions and decisions are binding on the ENGINEER.

XIII. Conditions Affecting Work:

The ENGINEER will be responsible for taking steps reasonably necessary to ascertain the nature, general location, scope and type of work hereunder and the general and local conditions which can affect the work or the cost thereof. Any failure by the ENGINEER in such responsibility will not relieve the ENGINEER from the obligation to successfully perform the work without additional expense to the OWNER. The OWNER assumes no responsibility for any understandings or representations by any of its officials, employees or agents prior to or at the time of the execution of this agreement.

This agreement, upon execution by the parties hereto and after approval of the Alabama Department of Transportation, supersedes any previous agreement made between OWNER and the ENGINEER on this particular relocation of utility facilities made necessary by construction of this Highway project.

The OWNER and the ENGINEER recognize the obligation of the Alabama Department of Transportation for reimbursement to the Utility, for work performed under this agreement will be subject to the execution of either a SAHD No. 2 or 3 Standard Agreement or a Special Agreement as might be applicable to the relocation involved, between the OWNER and the Department, which agreement will contain provisions assuring that the OWNER has complied or will comply with and fulfill all obligations, requirements, notifications and provisions of this agreement which are for the benefit or protection of the Department, and that the OWNER has obtained or will obtain all approvals and authorizations of the Department which are provided for in this Engineering Consultant Agreement, and no reimbursement payments will be due and none will be made by the Department until such Agreement as applicable is executed and complied with faithfully by the OWNER and the ENGINEER.

It is intended that the word State, when used in this agreement, includes the Alabama Department of Transportation.

Revised
6-19-01

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their respective officers, officials and persons thereunto duly authorized; for the ENGINEER on the 25th day of October, 2012, and the OWNER on the 25th day of October 2012.

OWNER:

City of Huntsville
(Legal Name of Utility)

WITNESS

_____

BY: _____, Mayor
(Name and Title)

WITNESS Lanetta Carter

ENGINEER:

Garver, L.L.C.
(Legal Name of Engineer)

BY: _____ P.O.A.
(Name and Title)

Revised
6-19-01

Certification of Consultant

I hereby certify that I am the Engineer and duly authorized Representative of the firm of Garver, LLC whose address
(Title) *

is 5125A Research Drive Huntsville, Alabama 35805 and that neither I nor the above firm I here represent has:

(a) employed or retained for a commission, percentage, contingent fee, or other consideration, any firm or person (other than a bona fide employee working solely for me or the above consultant) to solicit or secure this agreement;
(b) agreed, as an expressed or implied condition for obtaining this contract, to employ or retain the services of any firm or person in connection with carrying out the agreement, or
(c) paid, or agreed to pay, to any firm, organization or person (other than a bona fide employee working solely for me or the above consultant) and fee, contribution, donation, or consideration of any kind for, or in connection with, procuring or carrying out the agreement; except as here expressly stated (if any):

I acknowledge that this certificate is to be furnished to the Alabama Department of Transportation and the Federal Highway Administration, U.S. Department of Transportation, in connection with this agreement involving participation of Federal-aid highway funds, and is subject to applicable State and Federal laws, both criminal and civil.

I further certify the following:

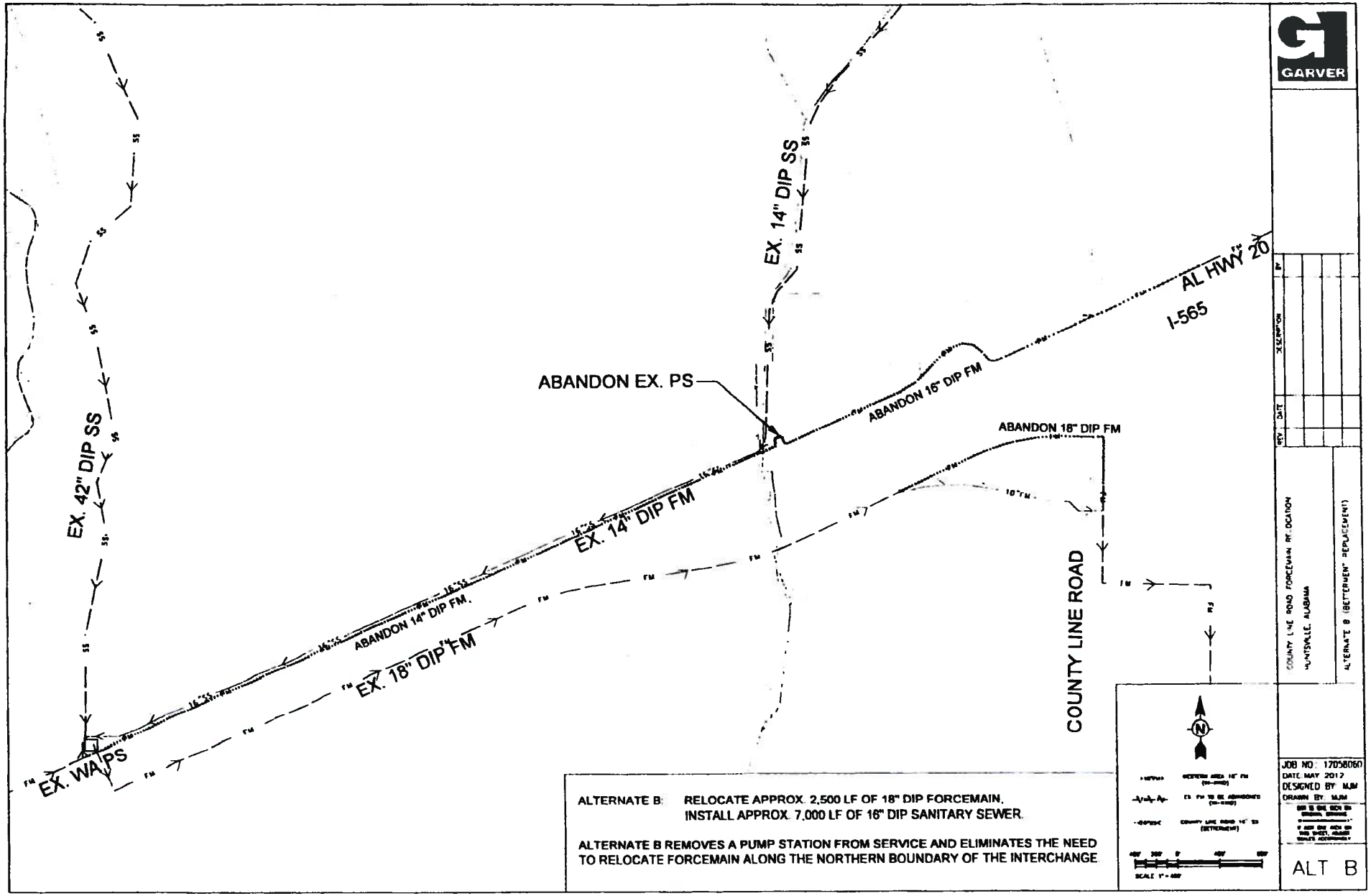
1) All costs included in this proposal to establish final indirect cost rates are allowable in accordance with the cost principles of the Federal Acquisition Regulations (FAR) of Title 48 Code of Federal Regulations (CFR), Part 31.
2) This proposal does not include any costs which are expressly unallowable under the cost principles of the FAR of 48 CFR 31.

All known material transactions or events that have occurred affecting the firm's ownership, organization and indirect cost rates have been disclosed.

(Date) 8 Oct 2012

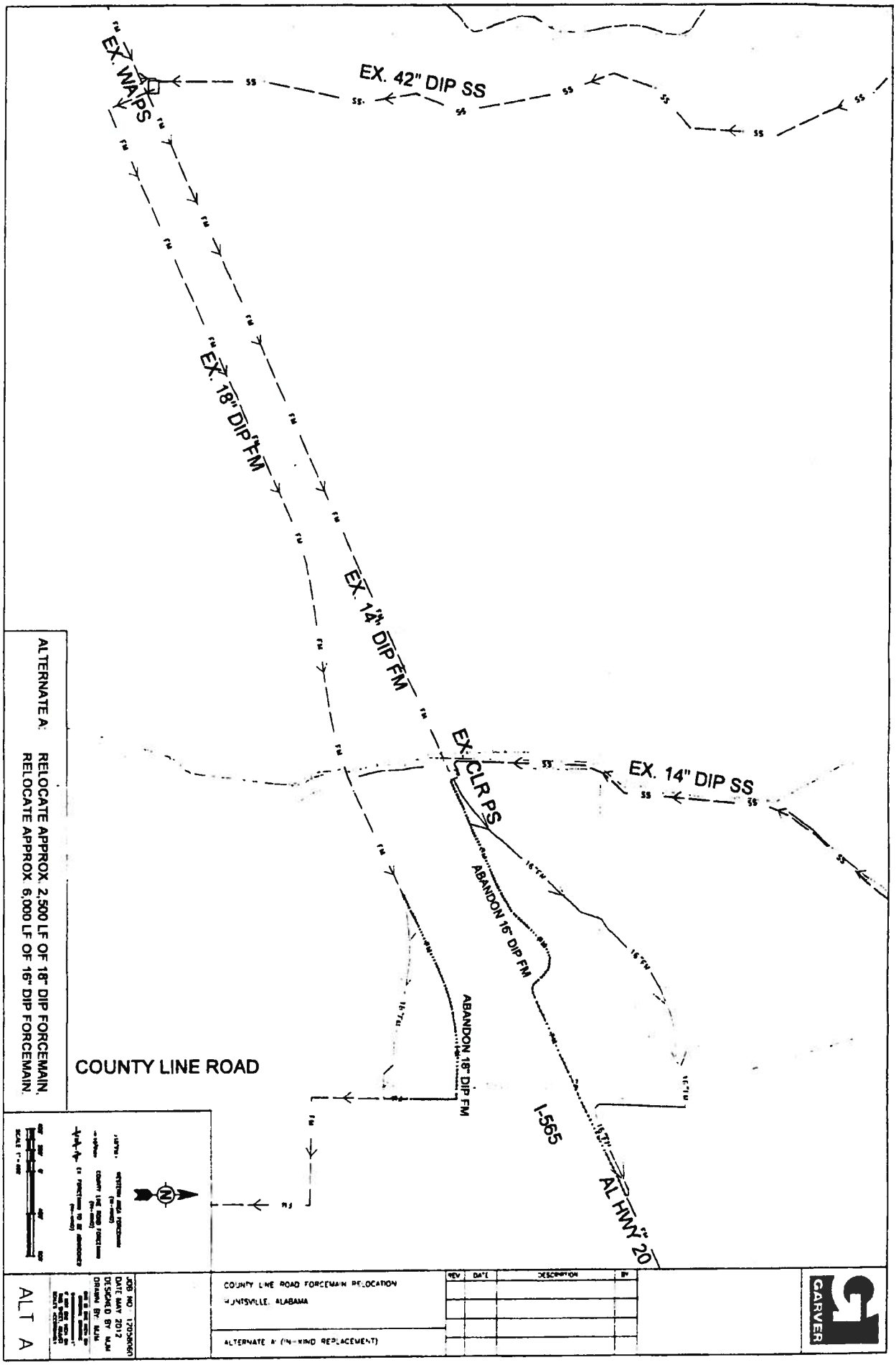
(Signature)

*Note: This form is to be completed by an individual executive or financial officer of the consultant at a level no lower than a Vice President or Chief Financial Officer, or equivalent, who has the authority to represent the financial information utilized to establish the indirect cost rate proposal submitted in conjunction with the contract.



ALTERNATE B: RELOCATE APPROX. 2,500 LF OF 18" DIP FORCEMAIN, INSTALL APPROX. 7,000 LF OF 16" DIP SANITARY SEWER.

ALTERNATE B REMOVES A PUMP STATION FROM SERVICE AND ELIMINATES THE NEED TO RELOCATE FORCEMAIN ALONG THE NORTHERN BOUNDARY OF THE INTERCHANGE


EX. 42" DIP SS
EX. WA PS
EX. 18" DIP FM
EX. 14" DIP FM
EX. CLR PS
EX. 14" DIP SS
ABANDON 16" DIP FM
ABANDON 16" DIP FM
I-565
AL HWY 20
COUNTY LINE ROAD
ALTERNATE A:
RELOCATE APPROX. 2,500 LF OF 18" DIP FORCEMAIN.
RELOCATE APPROX. 6,000 LF OF 16" DIP FORCEMAIN.
COUNTY LINE ROAD FORCEMAIN RELOCATION
HUNTSVILLE, ALABAMA
ALTERNATE A (IN-KIND REPLACEMENT)
REV
DATE
DESCRIPTION
BY
GARVER
ALT A

ATTACHMENT 2 - ALABAMA IMMIGRATION ACT - REPORT OF OWNERSHIP FORM

CITY OF HUNTSVILLE, ALABAMA REPORT OF OWNERSHIP FORM

A. General Information. Please provide the following information:

- Legal name(s) (include "doing business as", if applicable): GARVER LLC
- City of Huntsville current taxpayer identification number (if available): 4755
  (Please note that if this number has been assigned by the City and if you are renewing your business license, the number should be listed on the renewal form.)

B. Type of Ownership. Please complete the un-shaded portions of the following chart by checking the appropriate box below and entering the appropriate Entity I.D. Number, if applicable (for an explanation of what an entity number is, please see paragraph C below):

Type of Ownership (check appropriate box)	Entity I.D. Number & Applicable State:
☐ Individual or Sole Proprietorship	
☐ General Partnership	
☐ Limited Partnership (LP)	Number & State:
☐ Limited Liability Partnership (LLP)	Number & State:
☐ Limited Liability Company (LLC) (Single Member)	Number & State:
☒ LLC (Multi-Member)	Number & State: 136653 - AL 01-0733400 - EIN
☐ Corporation	Number & State:
☐ Other, please explain:	Number & State (if a filing entity under state law):

910309583
AL TAX ID

C. Entity I.D. Numbers. If an Entity I.D. Number is required and if the business entity is registered in this state, the number is available through the website of Alabama's Secretary of State at: www.sos.state.al.us/, under "Government Records". If a foreign entity is not registered in this state please provide the Entity I.D. number (or other similar number by whatever named called) assigned by the state of formation along with the name of the state.

D. Formation Documents. Please note that, with regard to entities, the entity's formation documents, including articles or certificates of incorporation, organization, or other applicable formation documents, as recorded in the probate records of the applicable county and state of formation, are not required unless: (1) specifically requested by the City, or (2) an Entity I.D. Number is required and one has not been assigned or provided.

Please date and sign this form in the space provided below and either write legibly or type your name under your signature. If you are signing on behalf of an entity please insert your title as well.

Signature: [signature] Title (if applicable): Regional Office Administrator

Type or legibly write name: JERRY D. McCARLEY Date: 1/6/12

Revised 12/7/2011

ATTACHMENT 3
CITY OF HUNTSVILLE STANDARDS AND DESIGN GUIDES

1. City of Huntsville Standard Specifications for Construction of Public Improvements. Contract Projects, 1991.

2. City of Huntsville Engineering Standards, 1991.

3. City of Huntsville Design and Acceptance Manual for Force Mains and Pump Stations, 2011.

4. City of Huntsville Design and Acceptance Manual for Sanitary Sewers, 2011.

5. Alabama Department of Transportation Standard Specifications for Highway Construction, Current Edition.

6. City of Huntsville Subdivision Regulations, 1991.

ATTACHMENT 4
DESIGN REVIEWS

0% COMPLETE – PRE-DESIGN CONFERENCE

The ENGINEER shall meet with the OWNER at a 0% complete - Pre-Design Conference. The OWNER's representative (Project Engineer) will be introduced.

CONFERENCE FORMAT

The pre-design meeting will we initiated by the OWNER. The purpose of the conference will be to give the ENGINEER an opportunity to discuss the design of the PROJECT, to visit the PROJECT site, to receive copies of OWNER -furnished documents, if applicable, and to meet the OWNER'S Project Engineer and other personnel working on the PROJECT.

ATTENDEES: (Required)

- ENGINEER
- ALDOT (as appropriate for the type of project)
- Real Estate
- Landscape Management
- Utilities
- Traffic Engineering
- Planning

DISCUSSION TOPICS :

- Authority of OWNERS representative (Written submittal made to the ENGINEER)
- Scope of Work
- Time Requirements
- Budget Restraints
- Testing Requirements
- Permit Responsibilities
- Design criteria
- LC&E requirements
- Plan Requirements
- Special Conditions
- Utility Project Notification and a list of all utilities that need to be contacted.
- Tree Ordinance

REQUIRED SUBMITTALS TO THE PROJECT ENGINEER

1. A Certificate of Insurance per Section 9.1 shall be submitted to the PROJECT ENGINEER.

2. Prior to the Pre-Design Conference, a completed **draft** design criteria document shall be prepared to the best of the ENGINEER'S ability and in conformance with his fee proposal and will serve as the basis of a discussion topic during the Pre-Design Conference. A **final** version of the design criteria based upon discussion during the meeting shall be prepared by the ENGINEER and distributed with the meeting minutes. A copy of a design criteria format may be found on the City of Huntsville web site at http://www.hsvcity.com/engineering/index.php.

3. Within seven (7) calendar days of the 0% Complete - Pre-Design Conference, the ENGINEER shall submit to the Project Engineer a schedule in Microsoft Projects format showing the critical path indicating the time frame for the required milestone events and submittals outlined in this document. The schedule shall support a PROJECT completion date in accordance with the Period Of Services in Article 5.

ATTACHMENT 4
DESIGN REVIEWS

30% COMPLETE – CONCEPTUAL DESIGN

This design review is to show the OWNER how the functional and technical requirements will be met, to indicate the ENGINEER's approach to the solution of technical problems, to show compliance with design criteria or to justify noncompliance and to provide an estimate of probable cost. A field review shall be conducted at this juncture with the OWNER's staff and the ENGINEER to review the proposed field alignment of the PROJECT.

CONFERENCE FORMAT

ATTENDEES: (Required)

- Real Estate
- Landscape Management
- Utilities
- Traffic Engineering
- Planning
- City of Huntsville Construction Project Manager
- City of Huntsville Inspector
- City of Huntsville Environmental Representative

DISCUSSION TOPICS:

- ENGINEER presents recommended design/solutions along with other options and alternatives considered.
- ENGINEER presents updates on progress of permitting requirements
- ENGINEER presents progress on coordination with other project participants such as the State of Alabama, sub consultants, etc.
- ENGINEER presents budgetary constraints

REQUIRED SUBMITTALS TO THE PROJECT ENGINEER

1. A preliminary list of all permits to be obtained with associated fees.
2. An updated schedule in Microsoft Projects format showing the critical path shall be submitted.

ATTACHMENT 4
DESIGN REVIEWS

60% COMPLETE – PRELIMINARY DESIGN CRITERIA

The review of the PROJECT at this point is primarily to insure that funding limitations are not being exceeded and to insure that the contract documents, design analysis and cost estimates are proceeding in a timely manner, and that the design criteria and previous review comments are being correctly interpreted. An additional review may be required by the OWNER to review changes proposed from previous submittals.

CONFERENCE FORMAT

ATTENDEES: (Required)

- Real Estate
- Landscape Management
- Utilities
- Traffic Engineering
- Planning
- City of Huntsville Construction Project Manager
- City of Huntsville Inspector
- City of Huntsville Environmental Representative

DISCUSSION TOPICS:

- Additional land acquisition needs, as required.
- Utility Project Notification and a list of all utilities that need to be contacted.
- Technical specifications for special construction items not covered under standard specifications or deviations from standard specifications.
- Update on progress of permitting requirements.
- Erosion control plan requirements, if required by the OWNER.
- Budget constraints.
- Progress on coordination with other project participants such as the City of Huntsville Real Estate Officers (Engineering Department), State of Alabama, sub consultants, etc.

REQUIRED SUBMITTALS TO THE PROJECT ENGINEER

1. One full size print copy and one ½ size print copy of all drawings that have incorporated previous comments shall be submitted. Plan/Profile drawings shall be 75% complete. Right-of way drawings shall be 100% complete at this submittal (reference Real Estate Division Plan Requirements Section entitled DRAWINGS, included at the end of this proposal)

2. An update to the schedule in Microsoft Projects format showing the critical path shall be submitted.

3. Unless determined to be inapplicable by the OWNER, Hydraulic reports 75% complete, shall be submitted.

4. Three (3) copies of preliminary plans for utilities shall be submitted.

5. Legal descriptions for takings shall be submitted. The information shall be 100% complete. (reference Real Estate Division Plan Requirements Section entitled DESCRIPTIONS, included at the end of this proposal)

6. Traffic Control Plan, if required. Plan shall be 60% complete at this submittal.

7. Detailed preliminary construction cost estimate shall be submitted.

8. Results of geotechnical investigations shall be submitted.

9. A list of comments made at the 30% review and a summary of each resolution.

ATTACHMENT 4
DESIGN REVIEWS

90% COMPLETE – FINAL REVIEW

The review of this submittal is to ensure that the design is in accordance with directions provided the ENGINEER during the design process.

CONFERENCE FORMAT

DISCUSSION TOPICS

Discussion topics will be handled open forum.

REQUIRED SUBMITTALS TO THE PROJECT ENGINEER

1. One full size print copy and one ½ size print copy of all drawings that have incorporated previous comments shall be submitted. Submittals include Plan/Profile drawings, Construction Details, Detailed cross-sections with cut and fill quantities and storm and sanitary sewer crossings, Erosion control plan, if required, Technical specifications, Right-of way drawings, Traffic Control Plan, Plans for Utilities, Signed Acceptance of Utility Project Notification Form by all affected parties, Design Calculations, and a final cost estimate. All submittals shall be 100% complete.

2. Any changes to Land Acquisition needs shall be identified and Legal descriptions for the changes shall be submitted.

3. A list of comments made at the 60% review and a summary of each resolution.

4. Calculations showing how quantities were determined for each bid item and how the item is to be measured in the field and paid. Three bound copies of corrected quantity calculations to match bid quantities. The following shall be required for each item:

   - Item Number
   - Item Description with standard specification used
   - Detailed calculation to include all measurements, conversion factors, and "standard" weights used
   - Final "calculated" amount and any "increased" amounts
   - Notes to include any deviation from referenced standard specifications

ATTACHMENT 4
DESIGN REVIEWS

100% COMPLETE – READY TO ADVERTISE

After the 90% review, the ENGINEER shall revise the construction documents by incorporating any comments generated during the previous design reviews. The ENGINEER shall prepare final hard copy contract specifications, prepare a bid form, and update the cost estimate as necessary.

CONFERENCE FORMAT

This is a submittal only. **Return this sheet with submittal**

YES	NO		REQUIRED SUBMITTALS TO THE PROJECT ENGINEER
☐	☐	1.	Two (2) sets of complete construction drawing prints sized 24" x 36" sealed and marked "ISSUED FOR CONSTRUCTION". Drawings information shall be referenced to Alabama State Plane Coordinate system, NAD1983 Alabama East Zone as described in the Code of Alabama (1975), Section 35-2-1. Surveys shall be tied to a minimum of two accepted GPS monuments or one GPS tie point plus an astronomic observation to determine grid north or GPS Survey.
☐	☐	2.	One (1) Micro station digital and One (1) digital file in either .tiff or .pdf format of construction drawings (must be signed and sealed) – sized 11" x 17".
☐	☐	3.	Two (2) sets of right-of-way drawing prints sized 24" x 36" sealed and marked "ISSUED FOR CONSTRUCTION". Drawings information shall be referenced to Alabama State Plane Coordinate system. NAD1983 Alabama East Zone
☐	☐	4.	One (1) Micro station digital file of right-of-way drawings.
☐	☐	5.	Two (2) print sets of 8-1/2" x 11" legal descriptions for right-of-way (REVISED SETS ONLY)
☐	☐	6.	One (1) digital text file of legal descriptions for right-of-way (REVISED FILE ONLY)
☐	☐	7.	One (1) print copy of Final Construction Cost Estimate.
☐	☐	8.	One (1) digital spread sheet file of Final Construction Cost Estimate.
☐	☐	9.	Three (3) printed and bound copies of corrected quantitiy calculations to match Final Bid Quantities.
☐	☐	10.	One (1) digital spread sheet file (Excel 2003 format) of Final Bid Quantities.
☐	☐	11.	Two (2) print sets of contract specifications.
☐	☐	12.	One (1) digital text file of contract specifications.
☐	☐	13.	One (1) complete set of signed and sealed calculations.
☐	☐	14.	One (1) complete set of all approved permits including Location, Character, and Extent, COE, ADEM, etc.
☐	☐	15.	One (1) complete set of all field notes.
☐	☐	16.	One (1) copy of digital aerial photography obtained for this PROJECT in (.tif) format, as necessary.
☐	☐	17.	Utility Project Notification forms and a list of all utilities that need to be contacted.

_____ Engineer

ATTACHMENT 5 - ENGINEERS PERSONNEL FEE SCHEDULE

City of Huntsville
Forcemain Relocation Project for the Interchange at County Line Road I-565
State Project No. IM-I565(307)
2012 Hourly Rates*

Phase I

Garver Personnel	Labor Category	Hourly Rate
Bob Hood	Construction Observer, C-1	$74.38
Jimmy Parton, Dale Kinney	Construction Observer, C-2	$106.78
Bill Thomas	Construction Observer, C-3	$157.64
Nathan Melson	Design Engineer, E-1	$81.30
Ashley Turnbull, PE	Project Engineer, E-2	$99.89
Dana Pollock, PE, Mike Malires, PE	Project Manager, E-3	$120.30
Kevin Mullins, PE, PLS	Project Manager, E-4	$136.00
Kevin Kennoy, PE	Senior Project Manager, E-6	$217.30
Randall Byrd	Survey, S-1	$38.77
Stephen Few, Bob Hood	Survey, S-2	$50.90
Mark Storey	Survey, S-3	$62.37
Wade Carpenter, PLS	Survey Chief, S-5	$125.67
Allen Miller, Josiah Mullins	Technician, T-1	$65.84
Peggy Bridgeman, Elizabeth Aaron	Administrative, X-1	$44.50
Cheryl South	Administrative, X-3	$91.13

Phase II

Garver Personnel	Labor Category	Hourly Rate
Bob Hood	Construction Observer, C-1	$74.38
Jimmy Parton, Dale Kinney	Construction Observer, C-2	$106.78
Bill Thomas	Construction Observer, C-3	$157.64
Nathan Melson	Design Engineer, E-1	$81.30
Ashley Turnbull, PE	Project Engineer, E-2	$99.89
Dana Pollock, PE, Mike Malires, PE	Project Manager, E-3	$120.30
Kevin Mullins, PE, PLS	Project Manager, E-4	$136.00
Kevin Kennoy, PE	Senior Project Manager, E-6	$217.30
Randall Byrd	Survey, S-1	$38.77
Stephen Few, Bob Hood	Survey, S-2	$50.90
Mark Storey	Survey, S-3	$62.37
Wade Carpenter, PLS	Survey Chief, S-5	$125.67
Allen Miller, Josiah Mullins	Technician, T-1	$65.84
Peggy Bridgeman, Elizabeth Aaron	Administrative, X-1	$44.50
Cheryl South	Administrative, X-3	$91.13

*These rates will be effective for the duration of this contract.

City of Huntsville
Forcemain Relocation Project for the Interchange at County Line Road I-565
State Project No. IM-I565(307)
2012 Hourly Rates*

Phase III

Garver Personnel	Labor Category	Hourly Rate
Bob Hood	Construction Observer, C-1	$74.38
Jimmy Parton, Dale Kinney	Construction Observer, C-2	$106.78
Bill Thomas	Construction Observer, C-3	$157.64
Nathan Melson	Design Engineer, E-1	$81.30
Ashley Turnbull, PE	Project Engineer, E-2	$99.89
Dana Pollock, PE, Mike Malires, PE	Project Manager, E-3	$120.30
Kevin Mullins, PE, PLS	Project Manager, E-4	$136.00
Kevin Kennoy, PE	Senior Project Manager, E-6	$217.30
Randall Byrd	Survey, S-1	$38.77
Stephen Few, Bob Hood	Survey, S-2	$50.90
Mark Storey	Survey, S-3	$62.37
Wade Carpenter, PLS	Survey Chief, S-5	$125.67
Allen Miller, Josiah Mullins	Technician, T-1	$65.84
Peggy Bridgeman, Elizabeth Aaron	Administrative, X-1	$44.50
Cheryl South	Administrative, X-3	$91.13

*These rates will be effective for the duration of this contract.

ATTACHMENT 6 - PROGRESS REPORT
(Article 8)

PROGRESS REPORT NO. _____ FOR MONTH AND YEAR _____

PROJECT _____ PROJECT NO. _____

DATE _____ CITY'S PROJECT ENGINEER _____

CONSULTANT _____ CONSULTANT'S PROJ. MAN. _____

COMPLIANCE SCHEULE:

MONTHLY SUBMITTALS:

CURRENT MONTH % COMPLETE: _____ PREV. MONTH % COMPLETE: _____

ATTACH A "SHOULD HAVE STARTED TASKS REPORT" AND A "SLIPPING TASKS REPORT" FROM MICROSOFT PROJECTS THAT LISTS ALL ACTIVITY THAT IS BEHIND SCHEDULE.

ATTACH A "TASKS STARTING SOON" REPORT FROM MICROSOFT PROJECTS WITH A DATE RANGE OF THIRTY (30) DAYS AFTER THE DATE OF THIS PROGRESS REPORT.

STATE WHAT ACTION IS BEING TAKEN TO BRING PROJECT BACK TO SCHEDULE:

_____

_____

_____

MILESTONE SUBMITTALS	SCHEDULED DATE	ACTUAL DATE
30%	_____	_____
60%	_____	_____
90%	_____	_____
100%	_____	_____
"FINAL" INVOICE SUBMITTED		_____
SUBCONSULTANTS PAID IN FULL		_____
CONTRACTED COMPLETION DATE:	180 cal. days from NTP	180 cal. days from NTP

(The scheduled dates above for milestone submittals will not change unless a contract modification is justified by contract change order. These scheduled dates shall be agreed upon at beginning of project with the Project Engineer and noted monthly on each progress report.)

UPDATED SCHEDULE ATTACHED? _____YES _____ NO

COMMENTS:

_____

_____

_____

This progress report (4 copies) shall be submitted monthly. Scheduled completion dates will not be extended without a contract modification.

CERTIFICATION: I certify that the stated information is true and accurate to the best of my knowledge.

_____ _____

CONSULTANT DATE CITY PROJECT ENGINEER DATE

ATTACHMENT 7 - SUB CONSULTANTS ENGAGED BY THE ENGINEER
(Article 9.2)

CONSULTANT NAME AND ADDRESS	DESCRIPTION OF SERVICES	FEE
	N/A	
	SUB-TOTAL	
	5% Administrative Fee	
	TOTAL	

ATTACHMENT 8 - CONTRACT DOCUMENT REQUIREMENTS LIST

REQUIREMENT	SUBMIT TO	SUBMITTAL REQUIREMENT DATE	NUMBER OF COPIES	REFERENCE SECTION OF CONTRACT AND COMMENTS
Deviations from OWNER's standards.	OWNER	Prior to incorporating deviations.	2	Article 2.5
Products or materials specified by the ENGINEER that are available from only one source.	OWNER	Prior to 100% submittal.	2	Article 2.2
Approval of ENGINEER's Request for Payment.	OWNER	Within ten (10) days of receipt of the request from the ENGINEER.	N/A	Article 3.4
Approval of ENGINEER submittals	OWNER	So as to cause no delay to the ENGINEER or the PROJECT.	N/A	Article 3.8
Change order changes that reduce construction requirements.	OWNER	Prior to authorizing a change.	N/A	Article 3.11
Any information pertaining to any claim.	OWNER	Immediately	2	Article 3.12
Information pertinent to the PROJECT, all criteria and full information as to OWNER's requirements, copies of all design and construction standards.	ENGINEER	So as to not delay the services of the ENGINEER.	2	Article 5.1, 5.2
Notification of delays.	ENGINEER; OWNER	Promptly	4	Article 6.1
ENGINEER's monthly invoices.	OWNER	Monthly	4	Article 8.1.1
Consultant progress report.	OWNER	Monthly	4	Article 8.1.1
Records, data, parameters, design calculations and other information.	OWNER	Cancellation of contract.	2	Article 9.7
Documentation, records of reimbursable expenses, record copies of all written communications, and any memoranda of verbal communications related to the PROJECT.	OWNER	Upon notice from the OWNER.	2	Article 9.4
Termination notification.	OWNER or ENGINEER	7 days prior to termination.	2	Article 9.10 & 9.11
Certificate of Insurance for ENGINEER.	OWNER	At 0% design conference	1	Article 10.2(B), 10.6, and Attachment 4.

Insurance cancellation, suspension, or reduction in coverage or limits.	OWNER	30 days prior to effective date except for cancellation which is 10 days notification.	1	Article 10.4(A)
Certificate of insurance for sub consultants/subcontractors.	OWNER	At 0% design conference.	1	Article 10.7
A schedule in Microsoft Projects format showing the critical path.	Project Engineer	Within 7 calendar days of Pre-design conference, 30% complete design review. 60% design review and 90% completion stage.	1 hard; 1 digital	Attachment 4
Drawings.	Project Engineer	30% complete design review, 60% design review, 90% review, and 100% complete.	3	Attachment 4
Cost estimate.	Project Engineer	30% complete design review, 60% review, 90% review, and 100% complete.	3	Attachment 4
Hydraulic reports.	Project Engineer	60% design review.	2	Attachment 4
Preliminary plans for utilities.	Project Engineer	60% design review.	3	Attachment 4
Real Estate Deliverables	Project Engineer	60% design review, 90% review, 100% complete.	Reference Real Estate Division Plan Requirements	Attachment 4, 14 Real Estate Plan Requirements at end of this proposal document
Traffic Control plan.	Project Engineer	60% design review.	N/A	Attachment 4
Results of geotechnical investigations.	Project Engineer	30% design review.	2	Attachment 4
Technical specifications.	Project Engineer	90% review, 100% complete.	N/A	Attachment 4
Relocation of Utilities	Project Engineer	0% review – list of all utilities that need to be contacted 60% review – from all affected parties 90% review – Signed Acceptance Utility Project Notification Form	2	Attachment 4, 10
Design Calculations	Project Engineer	90% review, 100% complete	1	Attachment 4
Digital copy of drawings.	Project Engineer	100% complete – 1 in .dgn format; 1 in .tiff or .pdf format	2	Attachment 4
Digital text files.	Project Engineer	100% complete.	1	Attachment 4
Bid Quantities.	Project Engineer	100% complete. Digital in Excel 2003 format and hard copy	3	Attachment 4
Permits and Permit Applications	Project Engineer	100% complete.	1	Attachment 4
Field notes.	Project Engineer	100% complete.	1	Attachment 4
Digital aerial photography.	Project Engineer	100% complete.	1	Attachment 4

ATTACHMENT 9 - REQUIREMENTS FOR DOCUMENT SUBMITTALS

All drawings shall be sized 24" x 36", unless otherwise approved by the OWNERS Project Engineer.

Title blocks shall as a minimum, contain the name of the project, date, city project number, and ENGINEER's name. The title block of drawings shall contain a space for the names of the preparer and the reviewer and/or checker. These blocks shall be signed on each submittal (See Attachment "11" for sample standard drawing format). Drawings shall contain alphanumeric revision designations. Drawings issued for review shall be issued with alpha revision designation and the revision letter shall be changed for each submittal containing drawing changes. Drawings issued for construction shall be issued with numeric designation at revision level "0" and described as "Issued for Construction" in the revision description block. Subsequent drawing changes require the revision level to be raised using successively higher numbers and the changes to be marked by circling and briefly described in a revision block.

Unless otherwise specified by the Owners Project Engineer, all drawings for review submittals shall be full or half-size copies. All documents shall be clearly marked in a revision block indicating the applicable submittal milestone, i.e. 30%, 60%, 90%, etc.

Submittals required by the State of Alabama for their review, bidding, etc., shall be of the size, form and numbers of copies as the state may require even though such submittals may differ from the submittals set forth as being required elsewhere in this Agreement.

All drawings shall be prepared in Micro station .DGN format, unless otherwise approved by the OWNERS Project Engineer. Transmittal letters shall consist of a list of files being submitted, a description of the data in each file, and a level/layer schematic of each design file. DGN design files shall have working units as follows: master units in feet, no sub-units, and 1,000 positional units. All data submitted shall use NAD 1983 Alabama East Zone coordinates as described in The Code of Alabama (1975), section 35-2-1 and NGVD 1929.

Digital files shall be submitted by 4-3/4" CD ROM, DVD, 3 and 1/2 inch floppy disk, or to the City of Huntsville F.T.P. site.

All print copies shall be first generation copies.

All text documents shall be prepared in Microsoft Word format.

All spreadsheets shall be in Microsoft Excel 2003 format.

A schedule showing the critical paths shall be in Microsoft Projects format, unless otherwise approved by the OWNERS Project Engineer.

Aerial photography files shall be in Intergraph (.COT) or (.tiff) format.

All mapping shall meet National Map Accuracy Standards unless otherwise noted. If National Map Accuracy Standards are not met, the accuracy of the map shall be identified to the Owners Project Engineer and on the maps derived from the aerial survey. National Map Accuracy Standards are shown below. This and other map standards are shown in Department of the Army, US Army Corps of Engineers standard, "EM 1110-1-1000, Engineering and Design - Photogrammetric Mapping". http://www.usace.army.mil/inet/usace-docs/eng-manuals/em1110-1-1000/toc.htm

ATTACHMENT 10 – UTILITY PROJECT NOTIFICATION FORM

NAME:_____
(Utility Name)

PROJECT NAME:_____ PROJECT NUMBER:_____

CONSULTING ENGINEER:_____
(Name)

ENGINEERING REPRESENTATIVE_____PHONE:_____

I have reviewed design drawings or other information as available, and:

DO _____ DO NOT _____

have facilities that will require relocation. If relocation is required, a construction duration of _____ calendar days from the Notice to Proceed, is anticipated to be required for relocation.

LIST NAME(S) OF OTHER UTILITY(S) that share poles or facilities that have to be relocated prior to YOU starting your work:

NAME OF UTILITY:_____

NAME OF UTILITY:_____

NAME OF UTILITY:_____

OTHER:_____

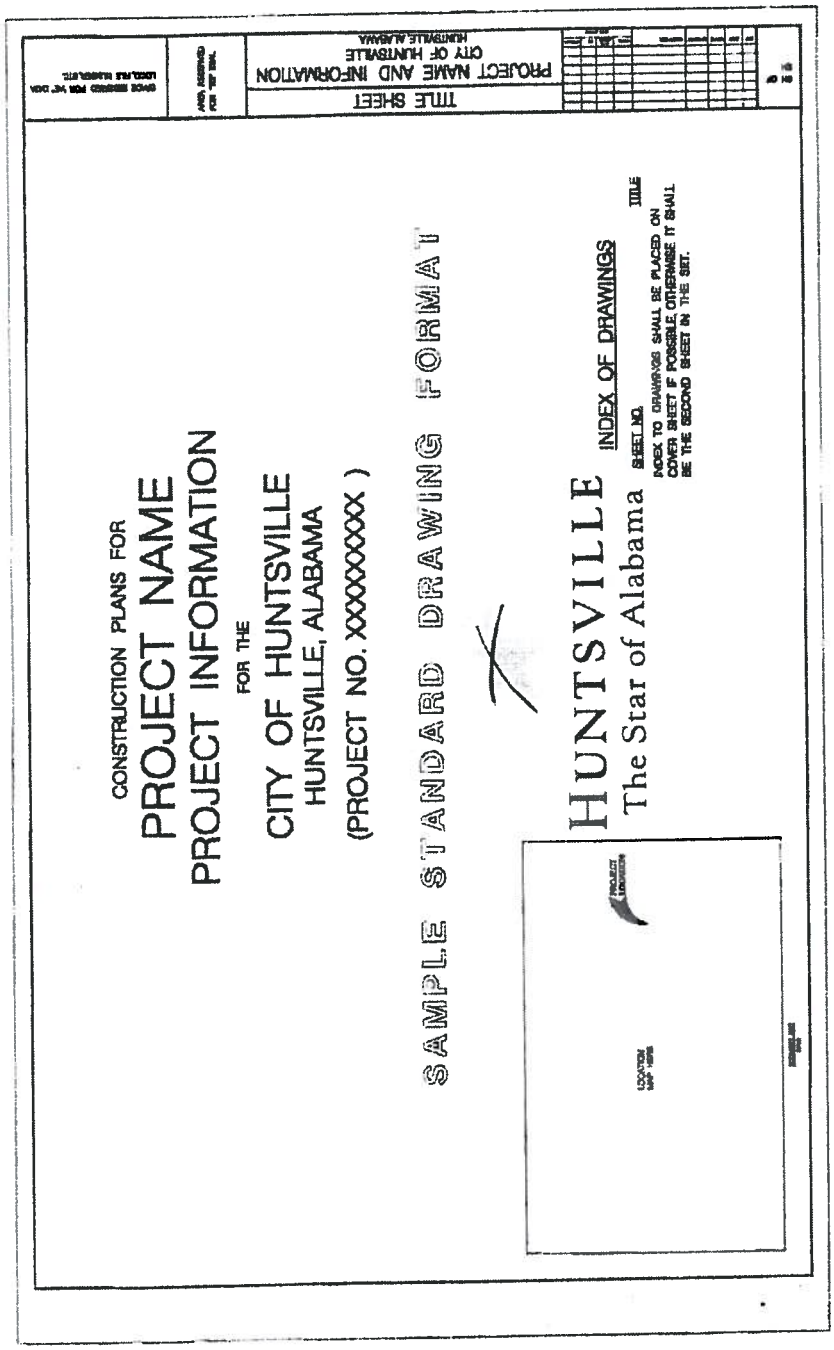
COMMENTS:_____

BY:_____
AUTHORIZED REPRESENTATIVE

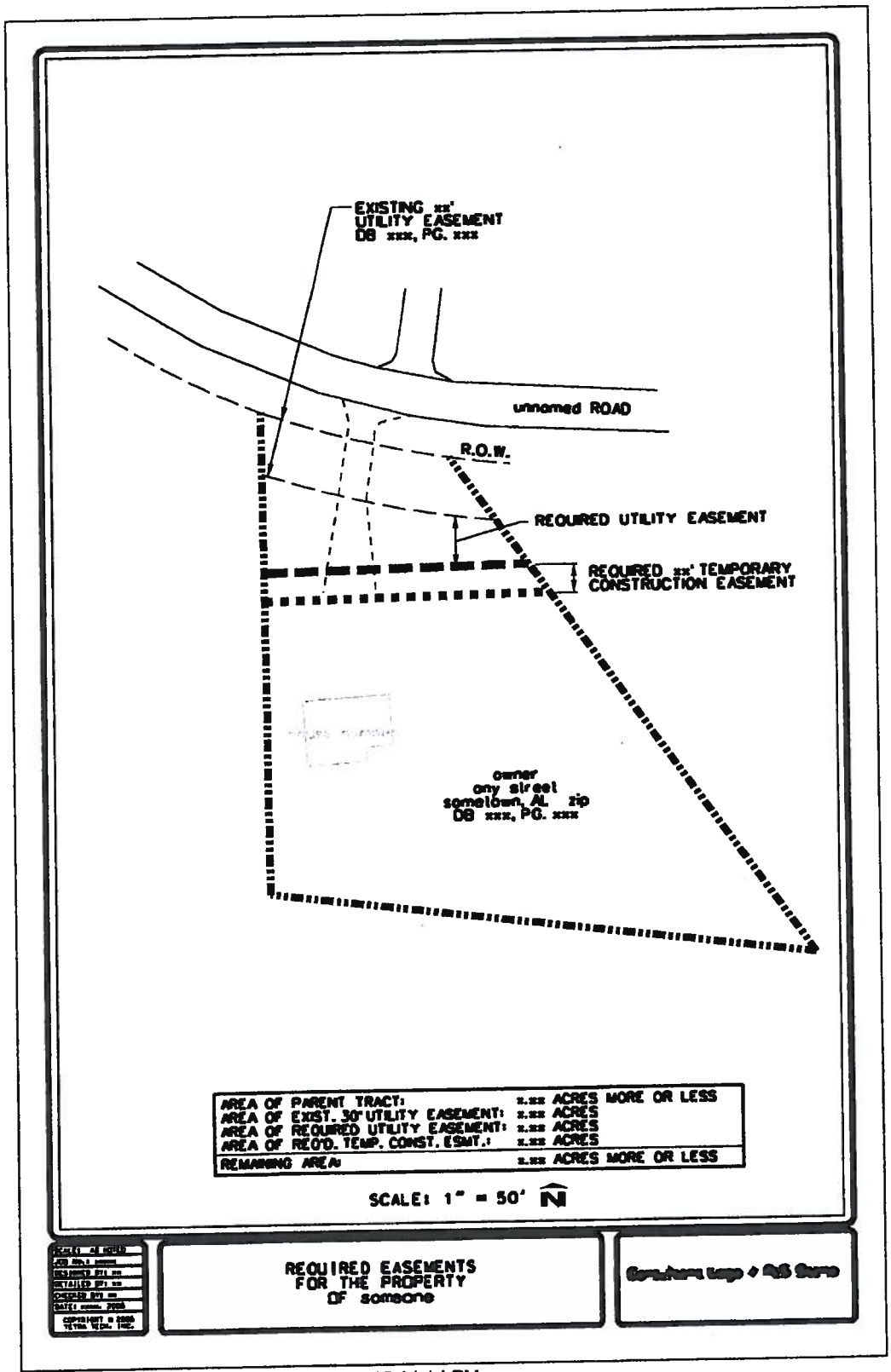
FIELD CONTACT PERSON:_____ PHONE:_____
OFFICE CONTACT PERSON:_____ PHONE:_____

DATE:_____

ATTACHMENT 11



ATTACHMENT 12
SAMPLE



...\easementtemplate_V7.dgn 3/17/2006 12:11:14 PM

ATTACHMENT 13

United States National Map Accuracy Standards

With a view to the utmost economy and expedition in producing maps which fulfill not only the broad needs for standard or principal maps, but also the reasonable particular needs of individual agencies, standards of accuracy for published maps are defined as follows:

1. ***Horizontal accuracy.*** *For maps on publication scales larger than 1:20,000, not more than 10 percent of the points tested shall be in error by more than 1/30 inch, measured on the publication scale; for maps on publication scales of 1:20,000 or smaller, 1/50 inch. These limits of accuracy shall apply in all cases to positions of well-defined points only. Well-defined points are those that are easily visible or recoverable on the ground, such as the following: monuments or markers, such as bench marks, property boundary monuments; intersections of roads, railroads, etc.; corners of large buildings or structures (or center points of small buildings); etc. In general what is well defined will be determined by what is plottable on the scale of the map within 1/100 inch. Thus while the intersection of two road or property lines meeting at right angles would come within a sensible interpretation, identification of the intersection of such lines meeting at an acute angle would obviously not be practicable within 1/100 inch. Similarly, features not identifiable upon the ground within close limits are not to be considered as test points within the limits quoted, even though their positions may be scaled closely upon the map. In this class would come timber lines, soil boundaries, etc.*

2. ***Vertical accuracy,*** *as applied to contour maps on all publication scales, shall be such that not more than 10 percent of the elevations tested shall be in error more than one-half the contour interval. In checking elevations taken from the map, the apparent vertical error may be decreased by assuming a horizontal displacement within the permissible horizontal error for a map of that scale.*

3. ***The accuracy of any map may be tested*** *by comparing the positions of points whose locations or elevations are shown upon it with corresponding positions as determined by surveys of a higher accuracy. Tests shall be made by the producing agency, which shall also determine which of its maps are to be tested, and the extent of the testing.*

4. ***Published maps meeting these accuracy requirements*** *shall note this fact on their legends, as follows: "This map complies with National Map accuracy Standards."*

5. ***Published maps whose errors exceed those aforestated*** *shall omit from their legends all mention of standard accuracy.*

6. ***When a published map is a considerable enlargement*** *of a map drawing (manuscript) or of a published map, that fact shall be stated in the legend. For example, "This map is an enlargement of a 1:20,000-scale map drawing," or "This map is an enlargement of a 1:24,000-scale published map."*

7. ***To facilitate ready interchange and use of basic information for map construction*** *among all Federal mapmaking agencies, manuscript maps and published maps, wherever economically feasible and consistent with the uses to which the map is to be put, shall conform to latitude and longitude boundaries, being 15 minutes of latitude and longitude, or 7.5 minutes, or 3-3/4 minutes in size.*

U.S. BUREAU OF THE BUDGET

ATTACHMENT 14
ENGINEERING DEPARTMENT - REAL ESTATE DIVISION
PLAN REQUIREMENTS

DRAWINGS:
Individual Parcels

- Each individual parcel 8 ½" x 14" (dgn or dxf format)
- Show Calculations
  - Before
  - After
  - Taking
- ***All Parcels shall be closed shapes (polygons).***
- Show Existing and Proposed Right-of-Way on each individual parcel map.
- Property Ownership

Overall Project Land Acquisition Maps

- Total project drawing in dgn or dxf format
- Indicate the following:
  - Stationing on Centerline
  - Existing Right-of-Way
  - Proposed Right-of-Way
  - Existing Easements
  - Proposed Easements
  - Existing Pavement
  - Proposed Pavement/Sidewalks/Structures
  - Existing Structures
  - Property Ownership

Color Standards *(SAMPLE)*

Description	Color	Line Style	Type
Existing ROW	Red	Medium Dashed	
Proposed ROW	Red	Solid	Closed Polygon
Existing Easements	Orange	Medium Dashed	
Proposed Easements	Orange	Solid	Closed Polygon
TCE	Pink	Solid	Closed Polygon

DESCRIPTIONS:

- Microsoft Word on 3.5" Diskette or CD
- Each Description shall be complete and independent (separate file).
- Hard Copies signed and stamped by PLS.

GENERAL:

- P.K. Nails or other permanent stationing markings shall be required.
- Re-staking of right-of-way or easements may be required (see Article 4).
- All survey plats to be on Alabama State Plane Datum. Strip Maps shall indicate at least 2 monuments in place with Alabama State Plane Coordinate values shown on each.
- Parcel plats and legal descriptions shall indicate the Alabama State Plane Coordinate NAD 1983 Alabama East Zone Value of the point of beginning.

ATTACHMENT 15 - GIS BASE MAP

DESIGN LEVEL	CONTENTS	LINE CODE	COLOR	WEIGHT	TEXT SIZE	FONT	CELL NAME
1	State Plane Coordinate Grid	0	0	0	20	0	
2	Benchmarks	0	0	0			
3	Private Street Text	0	105	0	20	0	
3	Street Text	0	3	0	20 (or 18)	0	
4	Street R/W	7	0	0			
5	Street Centerline	7	0	0			
6	Street Pavement	0	3	0			
6	Proposed Street Pavement	3	16	0			
6	Private Streets	0	105	0			
6	Proposed Private Road	3	105	0			
7	Parking Lots	1	3	1			
7	Private Lots used as Roads	1	105	1			
8	Secondary Roads--Private	2	105	0			
8	Secondary Roads	2	3	0			
8	Trails	3	3	0			
9	Secondary Roads/Trails Text	0	3	0	20	0	
10	Sidewalks	5	3	0			
11	Bridges/Culverts/Paved Ditches	0	0	0			
12	Hydrology - Major	6	1	0			
12	Hydrology – Minor, Ditches	7	1	0			
13	Hydrology - Text	0	1	0	25	23	
14	Tailings & Quarries, Athletic Fields/Text, misc. areas	0	1	0			
15	Greenways	3	48	0			
16	Speed Tables	0	3	0			TCALM
17	Railroad Tracks (Patterned)	0	2	0			RR
18	Railroad Text	0	2	0	25	0	
19	Railroad R/W	2	2	0			
20	Utility Poles (Cell)	0	5	0			P POLE
21	Utility Easements	3	5	0			
22	Utility Text	0	5	1			
23	Geographic Names	0	3	1			
24	Building Structures	0	0	0			
24	Pools and Text	0	1	0	10	1	
24	Future Site of Structures	2	0	0			STRUCT
24	Existing Structures (exact location and shape unknown)	2	0	0			STRCEX
25	Property Lines/ refuge bdy.	6	6	1	30	1	
26	Cadastral Polygons	6	6	0			
27	Ownership Text	0	6	1			
28	Cemeteries/Text	4	6	0	10	1	
29	Lot Numbers				25	0	
30	Block Numbers				30	0	
31	Addition Names	0	0	0	35	0	
32	Open						
33	Lot Ticks						
34	Lot Lines/Property Lines	6	6	0			
35	Trees/Hedge Rows	0	6	0	AS=1		TREES
36	GPS Monuments	0	5	0	18	23	CONTRL
37	2' Topo Contour						
38	5' Topo Contour	0	7	0			
39	25' Major Topo Contour	0	7	0			
40	X Spot Elevation	0	7	0			

41	FEMA Monuments/Labels	0	3/0	0	18	1	FEMA
42	Quarter Sections						
43	Section Lines	0	5	0			
44	Features	0	2	0			
44	Cell Towers	0	12	0	AS=1		CELTWR
45	Fences (Pattern)	0	8	0	AS=1		FENCE
46	Format/Legend	0	0	0			Limleg Madleg
47	Mass Points	0	7	2			
48	Break Lines	0	7	2			
49	Open						
50	Billboards	0	37	1			BBOARD
51	Sanitary Sewer	0		3			
52	Sanitary Sewer Text						
53	Storm Water Features	0		3			
54	Storm Water Text						
55	Open						
56	Property Address	0	1	0			
57	Text Tag for Buildings	0	1	0	10-20	1	
58	One Way Arrows	1	3	1			
59	Open						
60	Open						
61	Open						
62	Monuments for Setup (point cell)						
63	Open						

REIMBURSABLE AGREEMENT FOR RELOCATION OF UTILITY FACILITIES ON PRIVATE OR PUBLIC RIGHT-OF-WAY

PROJECT NUMBER

___ Private Right-of-Way

✓ Public Right-of-Way

Utilities Wastewater

Construction IM-I565(307)

THIS AGREEMENT is entered into by and between the State of Alabama Department of Transportation acting by and through its Transportation Director, hereinafter referred to as the STATE, and

_____,

hereinafter referred to as the UTILITY.

WITNESSETH:

WHEREAS, the STATE proposes a project of certain highway improvements in Limestone County, Alabama, said project being designated as Project No. IM-I565(307) and consisting approximately of the following:

I-565, New Interchange Improvements at CR-3 (County Line Road)

;and WHEREAS, the UTILITY is the owner of certain facilities located on private or public right-of-way, as applicable, at places where they will interfere with the construction of said project unless said facilities are relocated; and

WHEREAS, the Transportation Director has determined that the relocation of the facilities hereinafter referred to is necessitated by the construction of said project and has requested or ordered, as applicable, the UTILITY to relocate same; and

WHEREAS, under the laws of Alabama, the STATE is required to compensate the UTILITY for all or part of such relocation;

NOW, THEREFORE, the parties hereto agree as follows:

1. The UTILITY will relocate its facilities presently located within the right-of-way limits of the above referenced project in accordance with the UTILITY'S plans and specifications as approved by the STATE, so as to occasion the least possible interference with the progress of the project. The UTILITY'S plans, specifications and estimate of relocation cost are transmitted herewith and made a part hereof by reference.

2. The estimated cost for Engineering required by the relocation of utility facilities will be included in the total estimated cost of relocation set forth hereafter in this Agreement, and will be divided into three (3) phases: (a) Phase I - Concept; (b) Phase II - Design; and (c) Phase III - Construction. Each Phase of the Engineering work must be estimated and performed independently of the other. The three Engineering Phases will apply to work performed by the UTILITY'S Engineering Personnel and/or Consultant Engineers. The UTILITY will not proceed with any additional Phase of the required engineering work until it has received written notification from the STATE approving the completion of the previous Phase and written instruction to proceed with the next Phase.

3. The STATE has the right to notify the UTILITY, in writing, to cease Engineering work at any time it deems necessary. If so notified, the UTILITY shall cause all work to cease within four (4) working days and will invoice the STATE for the reimbursable work completed to date.

4. The UTILITY will conform to the provisions of the latest edition of the State of Alabama Department of Transportation Utility Manual, as the provisions thereof are applicable hereto, for both installation and maintenance of such facilities. Such Utility Manual is of record within the Alabama Department of Transportation at the execution of this Agreement and is hereby made a part hereof by reference.

5. The UTILITY will conform to the provisions of the Federal Highway Administration Manual on Uniform Traffic Control Devices (MUTCD), latest edition, as the provisions thereof are applicable hereto, for both installation and maintenance of such facilities. Such manual is of record within the Alabama Department of Transportation at the execution of this Agreement and is hereby made a part hereof by reference.

6. Code of Federal Regulations 23 CFR 645 is hereby made a part hereof by reference and will be conformed to by the UTILITY as the provisions thereof are applicable hereto.

7. The UTILITY will observe and comply with the provisions of all Federal, State and Municipal laws and regulations as the provisions thereof are applicable hereto in the performance of work hereunder, including the Clean Water Act of 1987, the Alabama Nonpoint Source Management Program of 1989, and the regulations of the Environmental Protection Agency (EPA) and the Alabama Department of Environmental Management (ADEM). The UTILITY will procure and pay for all licenses and permits that are necessary for its performance of the work.

8. The UTILITY will perform the work of relocation:
   (a) ☐ by UTILITY'S own forces;
   (b) ☐ by contract let by the UTILITY;
   (c) ☐ by an existing written continuing contract where the work is regularly performed for the UTILITY; or
   (d) ☑ by combination of the preceding (as shown in detail on the estimate).

9. The detailed relocation cost estimate will be prepared on the State's Form U-10 or the UTILITY'S own form giving the same type of information and attached to this agreement. With respect to facilities located on the UTILITY'S private right-of-way, the STATE will reimburse the UTILITY for the actual cost of relocation, as may be adjusted below. With respect to facilities located on public right-of-way, the STATE will reimburse the UTILITY for all or part of the actual cost of relocation as required by the laws of Alabama, as may be adjusted below.

a. The STATE'S share of the engineering charges shall be limited to the "in-kind" work only. This agreement includes betterment ☑ Yes ☐ No

b. The total actual cost of relocation, including Engineering, whether the facilities are on private or public right-of-way, shall be adjusted for betterment, if any, as defined and provided for in 23 CFR 645 above noted. Excluding betterment costs, the total estimated cost of relocation, including Engineering, is $ 1,421,845.33. The total estimated cost including betterment is $ 1,683,476.95.

c. If an adjustment for betterment is applicable, the STATE will reimburse the UTILITY for 83.98% percent of the actual cost of relocation and the remaining 16.02% percent thereof shall be for the account of the UTILITY for betterment. If there are changes during construction and/or the actual construction cost percentage becomes substantially different from the construction estimate, the STATE reserves the right to recalculate the percentages at any time.

10. The method to be used for the development of relocation costs for this project is:
   (a) ☐ as established by Federal or State regulatory body;
   (b) ☑ as previously approved by the STATE; or
   (c) ☐ Lump Sum Amount ($100,000 maximum).

The UTILITY will furnish the STATE, in writing, six (6) weeks prior to the State's project letting date a time frame for beginning and ending the required relocation work.

11. The UTILITY will keep accurate and true records of all expenditures made by it in the process of such relocation. Records will be kept in accordance with 23 CFR 645 above noted, or in accordance with Part 30 and 31, Federal Acquisition Regulations, or in accordance with accounting practices acceptable to the STATE.

12. The UTILITY will, during the progress of the work and for three years from the date final payment is made, make its records available during normal working hours for examination and audit by representatives of the STATE and of the Federal Highway Administration to verify amounts and items covered in the reimbursement for relocation of facilities covered herein. Said records will be available for examination at

City of Huntsville Water Pollution Control

1800 Vermont Road

Huntsville, Alabama 35802

_____.

13. The UTILITY will, within six (6) months following completion of the relocation, furnish the STATE such papers, records, supporting documents and invoices as may be required by the State showing the cost of said relocation. The UTILITY will furnish the STATE a copy of its "as built" plans for the STATE'S records.

14. Upon receipt of such documents and accounts as may be required by the preceding paragraph and upon completion and acceptance of such verification as the STATE may deem necessary, the STATE will reimburse the UTILITY for the actual cost of such relocation as verified by the STATE. In the event the actual verified cost, as accepted, exceeds the estimated cost, the STATE may require a Supplemental Agreement to be executed between the parties prior to reimbursement of any amount in excess of the estimated cost.

15. Paragraphs numbered 16 through 20 set forth below are applicable to this Agreement only if some or all of the UTILITY facilities to be relocated hereunder are located on private right-of-way of the UTILITY; otherwise, such paragraphs are considered inapplicable to this Agreement and null and void.

16. Where the UTILITY has a compensable property interest in its existing location (herein referred to as private right-of-way) by reason of holding the fee, an easement or other property interest, evidence of such compensable property interest will be submitted to the STATE by the UTILITY for review and approval.

17. If the UTILITY is required to move all of its facilities from a portion of its private right-of-way, upon completion of the relocation provided for herein, the UTILITY will convey to the STATE by Quitclaim Deed the portion of its private right-of-way located within the right-of-way limits of the above referenced project.

18. In the event the UTILITY is not required to relocate any of its facilities which are located on its private right-of-way, the following provisions shall apply:

a. To the extent the UTILITY has the right to so agree the STATE will have the right to construct, operate and maintain a highway over and along the portion of the UTILITY'S private right-of-way located within the right-of-way limits of the above referenced project.

b. The subordination of the UTILITY'S private right-of-way to the right of the STATE to construct, operate, and maintain said highway will be effective and operative only to such air, surface and sub-surface rights as may reasonably be required and are necessary for the construction, operation, and maintenance of said highway, and to enable the STATE to control access to the highway where such control is established; otherwise this subordination agreement will in no wise affect and impair the rights of the UTILITY, its successors and assigns, in or to its private right-of-way, including but not limited to the right to install additional facilities over, under and across the highway; provided, however, that any installation of additional facilities will be subject to the STATE'S responsibility and right to make prior determination that any such additional facilities are located so as not to impair

the highway or any planned highway improvement and so as not to interfere with the free and safe flow of traffic thereon.

c. It is mutually understood that the terms of this Agreement do not subordinate, affect or impair the rights of the UTILITY for reimbursement of the cost of such future relocation as may be required and necessitated by highway construction at some future date, as fully as if no subordination existed; however, such relocation will be in accordance with an additional agreement to be entered into at that time between the UTILITY and the STATE.

19. If the UTILITY is required to relocate any of its facilities which are located on its private right-of-way to a new location on the same private right-of-way, the following provisions shall apply:

a. To the extent the UTILITY has the right to so agree, upon completion of the relocation provided for herein, the STATE will have the right to construct, operate and maintain a highway over and along the portion of the UTILITY'S private right-of-way located within the right-of-way limits of the above referenced project.

b. The subordination of the UTILITY'S private right-of-way to the right of the STATE to construct, operate and maintain said highway will be effective and operative only to such air, surface and sub-surface rights as may reasonably be required and are necessary for the construction, operation and maintenance of said highway, and to enable the STATE to control access to the highway where such control is established; otherwise this subordination agreement will in no wise affect and impair the rights of the UTILITY, its successors and assigns, in or to its private right-of-way, including but not limited to the right to install additional facilities over, under and across the highway; provided, however, that any installation of additional facilities will be subject to the STATE'S responsibility and right to make prior determination that any such additional facilities are located so as not to impair the highway or any planned highway improvement and so as not to interfere with the free and safe flow of traffic thereon.

c. It is mutually understood that the terms of this Agreement do not subordinate, affect or impair the rights of the UTILITY for reimbursement of the cost of such future relocation as may be required and necessitated by highway construction at some future date, as fully as if no subordination existed; however, such relocation will be in accordance with an additional agreement to be entered into at that time between the UTILITY and the STATE.

20. If the UTILITY is required to relocate any of its facilities which are located on its private right-of-way to a new location on public right-of-way or if any such facilities are to be retained in place within the public right-of-way due to this project, the following provisions will apply:

a. The cost of relocation will include reimbursement for acquisition of right-of-way by the UTILITY to place necessary guy wires and anchors on private lands adjacent to the highway right-of-way and the rights to cut, trim and remove, initially and from time to time as necessary, trees on private lands adjacent to the highway right-of-way which might then or thereafter endanger the facilities of the UTILITY.

b. Reimbursement for future relocation of the UTILITY'S facilities will be in accordance with State laws in effect at the time such relocation is made; provided, however, the UTILITY will be reimbursed for the cost of any future relocation of the facilities, including the cost of acquisition of equivalent private right-of-way if such future relocation is outside the highway right-of-way and such relocation is required by the STATE, and provided that the prior relocation from private right-of-way to public right-of-way was without compensation to the UTILITY for its compensable property interest in its private right-of-way.

21. The UTILITY will be obligated for the payment of damages occasioned to private property, public utilities or the general public, caused by the legal liability (in accordance with Alabama and/or Federal law) of the UTILITY, its agents, servants, employees or facilities. By entering into this agreement, the UTILITY is not an agent of the State, its officers, employees, agents or assigns. The UTILITY is an independent entity from the State and nothing in this agreement creates an agency relationship between the parties. Additional indemnification for City/County owned utilities is detailed in Exhibit N.

22. In the event a Utility - Consultant Engineering Agreement for this project is entered into between the UTILITY and a Consulting Engineer, the following provisions will apply:

a. The UTILITY has complied or will comply with and fulfill and will require the Consultant Engineer of the UTILITY to comply with and fulfill, all obligations, requirements, notifications, and provisions of the Utility - Consultant Engineering Agreement executed for this project work which are for the benefit or protection of the STATE.

b. The UTILITY has obtained or will obtain all approvals and authorizations required by the STATE which are provided for in the Utility - Consultant Engineering Agreement.

c. No reimbursement payments will be due and none will be made by the STATE until such Utility - Consultant Engineering Agreement is complied with faithfully by the UTILITY and Consulting Engineer.

23. The UTILITY will have a copy of this Agreement on the project site at all times while work is being performed under this Agreement.

24. Nothing contained in this Agreement, or in its execution, shall be construed to alter or affect the title of the STATE to the public right-of-way nor to increase, decrease or modify in any way the rights of the UTILITY provided by law with respect to the construction, operation or maintenance of its facilities on the public right-of-way.

25. Paragraph 26 set forth below is applicable to this Agreement only if Federal appropriated funds are available or will be available in the project by which the relocation required by this Agreement is necessitated.

26. In the event any Federal Funds are utilized for this work, the following certification is made:

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

27. Exhibit N is attached hereto and made a part hereof.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective officers, officials and persons thereunto duly authorized, and the agreement is deemed to be dated and to be effective on the date hereinafter stated as the date of its approval by the Governor of Alabama.

WITNESS: _____

RECOMMENDED FOR APPROVAL:

BY: _____
Johnny L. Harris
Division Engineer

BY: _____
Robert G. Lee
Utilities Engineer

APPROVED AS TO FORM:

BY: _____
Jim Ippolito, Jr.
Chief Counsel,
Alabama Department of Transportation

City of Huntsville Water Pollution Control
(Legal Name of Utility)

BY: _____
(Signature and Title)

Tommy Battle
(Typed Name)

Mayor
(Typed Title)

308 Fountain Circle SW, Huntsville, AL
(Address)

(256) 427-5000
(Telephone)

STATE OF ALABAMA DEPARTMENT OF TRANSPORTATION ACTING BY AND THROUGH ITS TRANSPORTATION DIRECTOR

_____
John R. Cooper
Transportation Director

The within and foregoing Agreement is hereby approved on this _____ day of _____, 20 _____.

_____
Robert Bentley
GOVERNOR
STATE OF ALABAMA

Rev 3-7-12

EXHIBIT N

FUNDS SHALL NOT BE CONSTITUTED AS A DEBT

It is agreed that the terms and commitments contained herein shall not be constituted as a debt of the State of Alabama in violation of Article 11, Section 213 of the Constitution of Alabama, 1901, as amended by Amendment Number 26. It is further agreed that if any provision of this agreement shall contravene any statute or Constitutional provision of amendment, either now in effect or which may, during the course of this agreement, be enacted, then the conflicting provision in the agreement shall be deemed null and void.

TERMINATION DUE TO INSUFFICIENT FUNDS

a. If the agreement term is to exceed more than one fiscal year, then said agreement is subject to termination in the event that funds should not be appropriated for the continued payment of the agreement in subsequent fiscal years.
b. In the event of proration of the fund from which payment under this agreement is to be made, agreement will be subject to termination.

Additional ADR Clause

For any and all disputes arising under the terms of this contract, the parties hereto agree, in compliance with the recommendations of the Governor and Attorney General, when considering settlement of such disputes, to utilize appropriate forms of non-binding alternative dispute resolution including, but not limited to, mediation by and through the Attorney General's Office of Administrative hearings or where appropriate, private mediators.

Additional Indemnification Clause for City/County Owned Utilities

The City/County will be responsible at all times for all of the work performed under this agreement and, the City/County will protect, defend, indemnify and hold harmless the State of Alabama. The Department of Transportation, the officials, officers, and employees, in both their official and individual capacities, and their agents and/or assigns, from and against any and all action, damages, claims, loss, liabilities, attorney's fees or expense whatsoever or any amount paid in compromise thereof arising out of or connected with the work performed under this Agreement.