

A G R E E M E N T

BETWEEN

MORELL ENGINEERING, INC. (CONSULTANT)

AND

CITY OF MADISON (CITY)

ACTING BY AND THROUGH

THE ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT)

**TRANSPORTATION SUPPORT SERVICES
STATEWIDE**

AGREEMENT

Transportation Support Services

This AGREEMENT is made and entered into by and between the City of Madison, hereinafter referred to as the CITY and Morell Engineering, Inc., which is qualified to do business in the State of Alabama, with its principal Alabama office at 711 East Hobbs Street, Athens, Alabama 35611, Party of the Second Part, hereinafter referred to as the CONSULTANT.

WHEREAS, the CONSULTANT has agreed and by these present does agree with the CITY, for the consideration hereinafter mentioned, to prepare roadway plans and provide other requested pre-construction, administrative and/or general services activities on-call, for the CITY. The projects may include, but not be limited to, resurfacing, safety, intersection improvements, signal design, lighting design, intelligent transportation system (ITS) design, preliminary bridge design, bridge design, bridge inspection, environmental studies, and, when needed, emergency projects, and portions of projects such as traffic control plan (TCP), erosion control plan (ECP), hydraulic design, project review, and traffic engineering studies, as specified in ARTICLE I of this AGREEMENT.

NOW, THEREFORE, for and in consideration of the mutual covenants hereinafter stipulated, it is hereby agreed between the parties as follows:

The CONSULTANT will meet the requirements for conformance with the Standards adopted by AASHTO and approved by the Secretary of Transportation of the United States in cooperation with the CITY and will ascertain the written practices of the CITY prior to beginning any work on this project. All work required under this AGREEMENT will be performed in accordance with these standard practices, and any special requirements hereinafter set forth. All work performed by the

CONSULTANT under this AGREEMENT will be subject to the Review, Approval and Acceptance of the CITY before the CONSULTANT will be paid for the work.

“As a part of the obligation of the CONSULTANT to the CITY under this AGREEMENT, the CONSULTANT does hereby certify that CONSULTANT has no financial or other interest in the outcome of the project proposed under this AGREEMENT”.

ARTICLE I – SCOPE OF WORK

The CONSULTANT will prepare roadway plans and provide other requested pre-construction, administrative and/or general services activities on-call, for the CITY. The projects may include, but not be limited to, resurfacing, safety, intersection improvements, signal design, lighting design, intelligent transportation system (ITS) design, preliminary bridge design, bridge design, bridge inspection, environmental studies and, when needed, emergency projects, and portions of projects such as traffic control plan (TCP), erosion control plan (ECP), hydraulic design, project review, and traffic engineering studies as outlined in the sections below. The cost for performing these design services shall not exceed \$100,000 per project, unless approved by the Chief Engineer.

The work to be performed by the CONSULTANT may include all as follows:

SECTION 1 – ENVIRONMENTAL STUDIES

TASK A – FIELD REVIEW

A-1. The CONSULTANT will obtain and study CITY supplied mapping and accompany the CITY on an initial field review to identify obvious environmentally sensitive areas within the project corridor.

TASK B: PERFORM ENVIRONMENTAL ANALYSIS

B-1. CONSULTANT will perform environmental analysis as follows:

1. Conduct social, economic and environmental studies sufficient to comply with FHWA Technical Advisory T6640.8A dated October 30, 1987, and 23 CFR, Part 771.

The archaeological phase of the cultural resource survey will identify sites that will be affected by alternates carried forward in the Environmental Document. The cultural resource report will include a recommendation as to whether the archaeological sites are eligible for the National Register of Historic Places. A letter from the CONSULTANT will accompany the cultural resource survey and shall describe the effects of each alternate on any archeological site eligible for the National Register of Historic Places and/or any structure eligible for the National Register of Historic Places. If there are eligible archeological sites that cannot be avoided, the CITY may instruct the CONSULTANT to determine if the sites are important for what can be learned by data recovery or if the sites warrant preservation in place. All work shall be performed in compliance with 36 CFR 800.

The CONSULTANT shall submit:

- a. A letter from the U.S. Fish and Wildlife Service containing a list of the threatened and endangered species that may exist within the project area.
- b. If threatened or endangered species are identified, qualifications of personnel, either sub-consultant or in-house personnel, who will perform endangered and threatened species work. Qualifications should indicate expertise with those species involved with the proposed project.

The Consultant shall perform all studies of endangered species in accordance with FHWA Technical Advisory T6640.8A dated October 30, 1987, 23 CFR, Part 771

and Section 7 of the Endangered Species Act to the point where a “no effect” or a “may effect” determination can be made for each alternative under consideration. In the event of a “may effect” determination, additional studies may be required for Formal Consultation with the U.S. Fish and Wildlife Service. If additional studies are required, the CITY may instruct the CONSULTANT to submit a proposal for approval before performing the work.

A wetland assessment will be performed for each alternative. The wetlands will be identified using criteria set forth in the U. S. Army Corps of Engineers 1987 “Manual for Delineating Wetland”, however, a full delineation is not required. The wetland assessment does not require the completion of delineation forms, but will require the judgment of a wetlands specialist. The approximate limits of wetlands shall be marked on maps and quantified such that alternatives can be compared. A wetland evaluation report shall be submitted in accordance with T6640.8A.

2. When an alternative matrix is required, the CONSULTANT will furnish the CITY a matrix of environmentally sensitive features, and the cost for minimizing any adverse environmental effects.
 3. If a Public Involvement meeting is required, the CONSULTANT will meet with the CITY prior to the Public Involvement Meeting.
- B-2. If a Value Engineering Review is conducted, the CONSULTANT will provide all necessary material.
- B-3. When a Public Involvement Meeting is necessary, it will be conducted by the CITY, or CONSULTANT if requested by the CITY. The CONSULTANT will prepare technical data, maps, and plans as necessary for the public meeting(s). Representatives of the CONSULTANT

will be in attendance at the public meeting(s) to explain or comment upon matters pertaining to studies completed on this project. The CONSULTANT will assist the CITY in analyzing comments received through the public meeting(s) and in resolving comments within the scope of the AGREEMENT to the satisfaction of the CITY.

- B-4. Review each feasible alternate design. Prepare Environmental Document in compliance with all current Federal Highway Administration Guidelines and Directives. Based on the type of document required for the project, submit the following number of copies of the Environmental Document to the CITY (submit copies for review along with an original title sheet for approval, and upon receipt of review comments, make necessary corrections and resubmit corrected copies):

<u>Type of Document</u>	<u>Copies of document for review</u>	<u>Copies of approved document</u>
Re-evaluation	5	5
Categorical Exclusion (CE), checklist	5	5
Categorical Exclusion (CE), written	5	5
Environmental Assessment (EA)	7	30
Finding of No Significant Impact (FONSI) (EA before hearing, FONSI after hearing)	7	30
Draft Environmental Impact Statement (DEIS) (to be submitted before corridor hearing)	10	150
Final Environmental Impact Statement (FEIS) (to be submitted in C-2)	10	150

- B-5. When a Corridor Public Hearing(s) or combination Corridor/Design Public Hearing(s) is necessary, it will be conducted by the CITY or CONSULTANT if requested by the CITY. The CONSULTANT will prepare data, maps, and plans as necessary for the Public Hearing.

Representatives of the CONSULTANT will be in attendance at the Public Hearing to explain and comment upon matters pertinent to studies performed on this project. The CONSULTANT will assist the CITY in analyzing comments received from the Public Hearing, within the scope of this AGREEMENT, to the satisfaction of the CITY.

TASK C: PREPARE ENVIRONMENTAL DOCUMENT

C-1. Identify hazardous material sites on all alternatives under consideration. Submit locations of known hazardous material sites and underground storage tanks affected by the selected alternate to the CITY in order for the CITY to determine estimated cost of clean-up, if required. The consultant will conduct the initial site assessment in accordance with FHWA's Guidelines, Techniques and Approaches to Screening Right-of-way.

(The Phase I Hazardous Material Site Assessment will be conducted by one of the hazardous material specialty consultants that are approved by the ALDOT's Materials and Tests Bureau. The Man-day and Fee Proposal for the Phase I Site Assessment will be included in the Man-day and Fee Proposal for the Corridor Study. The CONSULTANT will provide to the Hazardous Material consultant maps indicating the alternatives that are to be studied. The CONSULTANT will provide a copy of the Phase I Site Assessment to the ALDOT's Environmental Technical Section.

Upon the selection of an alternative, the CONSULTANT will provide the ALDOT's Environmental Technical Section maps or plans depicting the location of the hazardous material sites in relation to the proposed and existing right-of-way for the proposed project.

If Phase II investigations are warranted, this will be the responsibility of the ALDOT's Materials and Tests Bureau. The results of the Phase II investigation, such as cost for cleanup

or no further investigative action required, will be forwarded to the CONSULTANT by the ALDOT's Environmental Technical Section. The results should be included in the final environmental document for the project.)

- C-2. The CONSULTANT will prepare the final Environmental Document and submit the required (see B-4) number of copies and an original title sheet for approval to the CITY for review. Upon receipt of review comments, make any necessary corrections and resubmit corrected copies. If an FEIS is being prepared, a draft record of decision (ROD) will also be submitted. After approval, submit the required (See B-4) number of copies of the approved document.
- C-3. The CONSULTANT will submit coordinate mapping, in DXF or DGN format, showing location of environmentally sensitive features such as wetlands and endangered species habitats.
- C-4. The CONSULTANT, at the completion of this project, will supply all CADD files, and related files, on Compact Disc (CD) to the CITY. The CADD files are required to be completely compatible with the Department's current production versions of CADD software. Deliverables to the CITY will include all CADD files.
- C-5. At the completion of this project, the CONSULTANT shall supply the approved environmental document (including all images, figures, tables, photos, maps, etc.), in Microsoft (MS) Word format on Compact Disc (CD), to the CITY. Appendices are to be supplied to the CITY and are to be in MS Word or PDF format.

SECTION 2 - ROADWAY PLANS

The CONSULTANT will perform the following as applicable:

- A. The development of the plans will follow the procedure as shown in the ALDOT's "*Guide for Developing Construction Plans*" and "*Guidelines for Operation*".

- B. Study available traffic data, which will be furnished by the CITY, and reaffirm the Design Criteria consistent with the policies of the CITY, and of criteria established during the Corridor Studies.
- C. The CONSULTANT will prepare hydraulic designs and supporting calculations according to approved chapters of the ALDOT Hydraulic Manual, otherwise in the absence of direction in the ALDOT Hydraulic Manual then in conformity with provisions of the Federal Highway Administration (FHWA) Hydraulic Circulars, American Association of State Highway and Transportation Officials (AASHTO) Guidelines or as instructed by the CITY.
- D. The CONSULTANT will, without compromising safety, select the hydraulic design that is most cost effective from a selection of practicable design alternatives. Designs will comply with the requirements of the ALDOT, CITY, the FHWA, and Federal Emergency Management Agency (FEMA).
- E. The CONSULTANT in the development of the designs will conduct investigations to ensure that the geometric design of pavements, if feasible, is such that the drainage capacity of the pavement is not exceeded in such way as to create unreasonably hazardous water-film depths for hydroplaning to occur. The latest and most comprehensive technology in existence from FHWA and AASHTO will be used to design, analyze and correct pavement drainage deficiencies in an effort to preclude or minimize high hydroplane potential situations. Particular attention will be given to transition sections and sags of all vertical curves.
- F. Edge of Pavement Profiles with true elevations will be computed and furnished for all horizontal curve transitions and sag vertical curves where curb and gutter sections and/or a paved island is used.

- G. The CONSULTANT will prepare Floodplain Studies for the project to include a “Risk Assessment” and “Risk Analysis” where applicable in the development of designs in accordance with the requirements of Federal Aid Policy Guide, 23 CFR 650A. Also, the forms HYD-100, HYD-101, and HYD-102 will have to be completed prior to the Plan-in-Hand review.
- H. Each project plan assembly submitted by the CONSULTANT for Hydraulic Review will contain no less than the minimum amount of hydraulic and hydrologic data necessary and as specified in Chapters 2, 3 and 4 of the ALDOT Hydraulic Manual.
- I. The CONSULTANT will prepare topographic quad maps showing drainage outfalls and other pertinent project data as required by Alabama Department of Environmental Management (ADEM) for the application of a construction stormwater permit. The CONSULTANT will prepare an erosion control and sedimentation prevention plan including devices and/or designs for structural controls that conform with applicable ADEM regulations regarding the selection and implementation of Best Management Practices (BMPs). When required by the CITY, the CONSULTANT will prepare a Construction Best Management Practices Plan based on the latest template provide by the CITY. The CONSULTANT will prepare an erosion control and sedimentation prevention plan including devices and or designs for structural controls that conform to AASHTO’s *Highway Drainage Guidelines, Volume IV, Guidelines for Erosion and Sediment Control in Highway Construction (2007)* and to the Alabama Soil and Water Conservation Committee’s *Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas, March 2009*.
- J. Each project Plan Assembly will include title geometric layout, summary of quantities, typical section, drainage section, plan and profile, paving layout, traffic control, signing, striping,

earthwork cross-section, erosion control and sedimentation prevention, and all other sheets required for receipt of bids by the CITY for all grade, base, pave and drain work. Drainage structure information will be placed on the plans according to Chapters 2, 3 and 4 of the ALDOT Hydraulic Manual, Guidelines for Operations and Plan Preparation Manual, unless otherwise specified. The plans will show all existing topographical features, natural and man-made, surface and subsurface facilities, for the area included in the proposed right-of-way and an area of at least 100 feet in width adjacent to the proposed right-of-way. The contract plans will be completed in detail for all construction, in accordance with the CITY's design policies and practices in effect at the time of the final plan submittal. Basic computations will be made for alignment and for layout of intersections.

- K. Drainage Section drawings will be provided for all proposed drains and existing drain modifications along the project centerline and within the project work limits. Stream bed data acquired from a field survey will be used where applicable to establish and depict the stream bed slope, the drain inlet, the drain outlet, and the profile configuration of the ditch or channel as it ties in to the drain.
- L. Prepare designs and detailed contract plans at a horizontal scale of 1"=50' and vertical scale of 1"=5', or as otherwise approved by the CITY, completely dimensioned for roadway construction, together with drainage and intersection layouts. Special drawings of complicated intersections may be prepared at scales other than those above as approved by the CITY.
- M. Arrangements will be made by the CITY with any affected utility owner to prepare plans for any utility relocations. Following the Plan-In-Hand Inspection, the CONSULTANT will provide utility base sheets and CADD files to the CITY showing existing utilities for CITY's use and coordination with the utility companies. All CADD files are required to be completely

compatible with the Department's current production versions of CADD software. The finalized Utility Base Sheets will be a part of the respective final plan assemblies.

- N. The applicable provisions of the Alabama Department of Transportation Standard Specifications for Highway Construction, 2018 Edition, (or latest succeeding standard specifications issued by the ALDOT prior to the time of final plan submittal) will apply to all work performed by the CONSULTANT under this AGREEMENT. The CONSULTANT will prepare supplemental specifications and special provisions for approval of the CITY of any needed items not covered by the aforementioned Standard Specifications.
- O. Prepare estimates of quantities and construction costs for each set of contract plans, itemized and properly symbolized in accordance with the Standard Specifications above noted, using unit prices as supplied or approved by the CITY on projects of comparable work in the general area of the project, if available. Upon completion of the plans, copies of the Quantity Computations will be furnished to the CITY.
- P. Following the 30% Review, a Public Involvement Meeting will be conducted by the CITY with assistance from the CONSULTANT. The CONSULTANT will prepare data, maps, and plans as necessary for the Public Involvement Meeting. Representatives of the CONSULTANT will be in attendance at the Public Involvement Meeting to explain and comment upon matters pertinent to studies performed on this project. The CONSULTANT will assist the CITY in analyzing comments received from the Public Involvement Meeting, within the scope of this AGREEMENT, to the satisfaction of the CITY.
- Q. Preliminary detailed contract plans and estimates for each construction project

shall be submitted to the CITY before the final tracings are completed. The CONSULTANT will prepare Traffic Control Plans for handling traffic during construction and a Sequence of Construction will be prepared for each set of contract plans.

- R. The CONSULTANT will coordinate these plans with existing and proposed plans of the CITY.
- S. The CONSULTANT will prepare plans using size and weight of pens as indicated in ALDOT's CADD Standards that will facilitate the ALDOT's development of one-half (1/2) size drawings. CADD File Names and level structure shall be in accordance with ALDOT CADD Standards. A true model of the design surface shall be created so cross-sections can be accurately annotated, or a slope stake report can be created and placed in the plans. Alignment coordinates used in the Location and Design process shall also be shown in the plans.
- T. After the Plan-In-Hand Inspection, the CONSULTANT may prepare reproducible base maps showing property ties and ownership and submit to the CITY with the latest recorded deeds and preliminary plans showing construction limits and acquired right-of-way limits for the use of the CITY in acquiring right-of-way. The right-of-way submittal shall be accompanied by an electronic disk of CADD files showing all base maps and acquired right-of-way information.
- U. Three separate plan reviews plus other reviews up to and including the P.S. & E., as required by the Alabama Department of Transportation Guide for Developing Construction Plans (G.D.C.P.), will be conducted. The CONSULTANT will prepare and submit sets of selected plan sheets for requesting materials recommendations and handling of Railroad Agreements, City/County Agreements and other Coordination Sets as required in accordance with the G.D.C.P. The CONSULTANT will prepare and submit sets of plans for a 30%

completion review, for a Plan-In-Hand Inspection, and for a P.S. & E. Inspection. The number of plan sets required for all submittals will be as directed in the G.D.C.P. After plan revisions have been made to the plans by the CONSULTANT, following and including all comments made during the P.S. & E. Inspections, the CONSULTANT will submit sets of prints of plans to the CITY for its Quality Control review. The CONSULTANT will submit sets of prints after Quality Control comments have been addressed for Construction Bureau's Review. After plan revisions are complete, the CONSULTANT will submit final plans. Construction cost estimates will be furnished with the 30%, P.S.& E., Construction Bureau review and final plan submittals. The CONSULTANT will be required to prepare and submit a grade book with grades shown on fifty (50) foot stations. The cross-sections shown on the plans will be shown on one hundred (100) foot stations or as directed by the CITY.

- V. The CONSULTANT, at each review stage and as required by the GDGP, and at the completion of this project, will supply all CADD files, and related files, on Compact Disc (CD) with an electronic document listing the contents of each file. The CADD files are required to be completely compatible with the Department's current production versions of CADD software. Deliverables to the CITY will include all CADD files.

SECTION 3

BRIDGE PRELIMINARY PLANS

- A. Type, Size and Location Drawings (TS&L's) for each bridge will be furnished to establish the general design features of each structure.
- B. Typical sections for the type design proposed will be shown for each structure.
- C. Minimum horizontal and vertical clearances will be shown for grade separation structures.

- D. The CONSULTANT will show hydraulic data and stream velocity (provided by the CITY) through the proposed bridge for each drainage structure.
- E. Prints will be furnished as necessary to the CITY for submittal to County State, or Federal agencies involved for review and approval.
- F. A “square foot” construction cost estimate for each structure will be provided.

BRIDGE FINAL PLANS

After approval of the preliminary plans by the lead agency plans will be provided to the CITY and FHWA, the CONSULTANT will develop final plans based on the approved preliminary plans. Final plans will be developed in sufficient form and detail for the STATE to let a construction contract. The final design, detailed drawings and materials will be prepared in accordance with the ALDOT Bridge Bureau Structural Design Manual, ALDOT Bridge Bureau Quality Control Manual for Bridge Detailing, the ALDOT Bridge Bureau Plan Development QC/QA Plan and Checklist and will meet the approval of the STATE and FHWA. The CONSULTANT may make maximum utilization of Bridge and Special Project drawings and plans of existing bridges where applicable, and the CONSULTANT will accomplish the following:

- A. Prepare supplemental specifications and special provisions for items not covered by the Standard Specifications, supplemental specifications of special provisions of the STATE.
- B. Prepare estimates of quantities and construction costs itemized and properly symbolized in accordance with the Standard Specifications for Highway Construction using unit prices furnished by the STATE.
- C. Preliminary detailed contract plans and estimates will be submitted to the lead agency and then to the STATE for review before final contract drawings are complete.

- D. The contract plans will be completed in accordance with current practices of the STATE in the preparation of Federal Aid Plans.
- E. The CONSULTANT will prepare plans using drafting techniques that will facilitate the STATE's development of one-half (1/2) scale drawings.
- F. The CONSULTANT will make an independent structural check of the bridge plans, including a check of design stress analysis and a check of detailing and drafting of completed plans. Competent personnel other than those performing the original design will make this independent check, detailing and drafting, but such personnel may be within the firm that performed the original design. The person(s) making the check will certify on the plans that the check was made.
- G. The CONSULTANT will, at the request of the STATE, correct any plan errors or omissions found in design, detailing or drafting before or after acceptance of final plans by the STATE.
- H. The CONSULTANT will submit final contract drawings, final calculations and a compact disc (CD) containing all digital files compatible with the Department's current production versions of CADD software.

SECTION 4 – TRAFFIC SIGNAL DESIGN SERVICES

The work performed by the CONSULTANT may include, but not be limited to, the following:

- A. Assist the CITY in the design, review, construction process and system management and/or maintenance. This includes specifications, construction plan development, project meetings, bid analysis, construction and final inspections.
- B. Provide 12-hour traffic counts with turning movements, pedestrian data, and accident data.

- C. Provide trip generation studies, intersection operation analysis, capacity analysis, ramp metering studies, roundabout studies and traffic simulation.
- D. Prepare traffic signal warrants, per the MUTCD, and perform analysis using SYNCHRO and SIMTRAFFIC.
- E. Implement timings into controllers and make adjustments.

SECTION 5 – FIBER OPTIC AND ITS SERVICES

The work performed by the CONSULTANT shall include, but not be limited to, the following:

- A. Assist the CITY in the design, review, construction process and system management and/or maintenance. This includes specifications, construction plan development, project meetings, bid analysis, construction testing/inspections including final inspections and maintaining fiber management databases.
- B. Study the existing ATMS System and be capable of making additions and/or extensions without appreciable changes to the existing ALDOT ITS software.
- C. The CONSULTANT shall be available on an as-needed basis to the CITY for the purpose of providing support and expertise in the area of fiber optic communication networks. This includes work that may be beyond normal business hours and at various locations throughout the state.
- D. Provide training to CITY personnel in fiber optic theory, terms as they apply to fiber optics, installation and maintenance technology, the use of connecting, splicing and testing equipment.
- E. Provide assistance in the evaluation and testing of new products, including surveillance, detection, communications, networking and information display devices.

SECTION 6 – ELECTRICAL ENGINEERING SERVICES

The work performed by the CONSULTANT shall include, but not be limited to, the following:

- A. The CONSULTANT will provide completely designed projects ready for letting, partial plans to be inserted into other roadway plans for letting, or reports and studies as directed.
- B. The CONSULTANT will produce plan sets on a CADD system using current ALDOT CADD Standards and be capable of electronically transmitting/receiving project files or individual sheets to/from the ALDOT's Central Office.
- C. Upon notice from the CITY for Need of Services, the CONSULTANT will attend a scope of work meeting. Within five (5) workdays after the scope of work meeting the CONSULTANT will provide a written project scope including the understanding and a detail cost estimate for the required design services for review and approval by the CITY. The CONSULTANT will proceed with the work on a project only after receiving written authorization from the CITY.
- D. All lighting level calculations will be made using AGi32 or other Department approved programs. The CONSULTANT shall perform all calculations using the illuminance method of design. The CONSULTANT shall attend the Plan-in-Hand meeting and the PS&E meeting or the combination Plan-in-Hand/PS&E meeting to discuss the calculation results and lighting design with ALDOT.
- E. The CONSULTANT will write specifications for all special hardware and installation techniques not covered in the ALDOT's existing Section 750 – Roadway Lighting, Section 756 – Electrical Conduits under Roadway, and Section 889 – Roadway Lighting Materials.
- F. The CONSULTANT will provide to the CITY a complete set of final plans, including all sheets in a .DGN format on DVD or other optical storage media. In addition, the CONSULTANT

will provide the CITY with a complete full-size (24' x 36") plans on paper with the exception of the title sheet, which shall be submitted on Mylar. All calculations will be turned over in a systematic manner.

SECTION 7 – BRIDGE INSPECTION SERVICES

Scope of services for consultant inspection:

- A. The CONSULTANT will be responsible for providing all necessary traffic control, to include personnel, equipment and devices. Prior to the deployment of any traffic control, the CONSULTANT will provide a copy of the traffic control plan to ALDOT for review.
- B. The CONSULTANT will be responsible for providing all needed access equipment to include manlifts, reachalls, platforms, etc.
- C. The CONSULTANT will begin bridge inspections as instructed by the CITY and the CONSULTANT will complete each bridge inspection as safely and promptly as possible.
- D. Qualifications of inspection personnel will be as follows:
 - a. Each inspection team leader shall be an Alabama Certified Bridge Inspector (CBI).
 - b. All team members must have successfully completed the National Highway Institute (NHI) course "Safety Inspection of In Service Bridges".
- E. All CONSULTANT personnel performing engineering evaluations must have a professional engineering license in the State of Alabama.
- F. The CONSULTANT will provide inspection services on specified bridge structures to include the following:
 - a. Routine inspections of structures, performed at the hands-on inspection level
 - b. Fracture critical inspection of bridges
 - c. Channel cross-sectioning of bridges

- d. NDE (Non Destructive Evaluation) and NDT (Non Destructive Testing) of bridges as specified
- G. The CONSULTANT will provide engineering evaluation services for specified bridge structures as follows:
- a. Review inspection findings and identify deficiencies
 - b. Determine effect of those deficiencies on the structure
 - c. Recommend repairs/corrections to the CITY to address those deficiencies
 - d. Provide budgetary estimates for those repairs/corrections to the CITY
- H. The CONSULTANT will rate the structures as follows:
- a. Model each specified structure in AASHTOWare Virtis™ including trusses, floor beams and stringer; provide an export copy of the Virtis bridge definition to ALDOT.
 - b. The CONSULTANT will use same version of Virtis™ used by ALDOT.
 - c. Supply rating report sealed by a professional engineer licensed in the State of Alabama
- I. The CONSULTANT will provide the following documentation:
- a. Inspection Reports
 - i. Completed Bridge Inspection (BI) forms from Alabama Bridge Information Management System (ABIMS), to be signed by the CONSULTANT inspector and CONSULTANT reviewer as required
 - ii. Scour plots provided through the ABIMS Webscour Module
 - iii. Inspection notes, sketches and annotated photographs
 - iv. CONSULTANT will enter all inspection data into ABIMS
 - b. “As-exists” drawings for any structures that are missing structural drawings

- c. A separate structural evaluation report, sealed by a professional engineer licensed in the State of Alabama.

ARTICLE II – OBLIGATION OF CITY TO CONSULTANT

The work to be performed by the CITY will include the following (unless the CITY instructs the CONSULTANT to perform said work), as applicable:

- A. Provide all traffic data, which is deemed necessary by the CITY.
- B. Provide all available Digitized Quadrangle mapping, aerial photography, preliminary plans, layouts, profiles, survey data and any other data in connection with the work included in this AGREEMENT previously performed by or for the CITY.
- C. As far as possible, cooperate with the CONSULTANT in making necessary arrangements with public officials and with such individuals as the CONSULTANT may need to contact for advice, counsel, and information.
- D. Furnish the CONSULTANT unit prices and/or per costs to be used in cost analysis.
- E. Circulate required materials to appropriate agencies and governmental bodies for review and receive comments.
- F. Advertise, conduct and provide necessary transcripts of Public Involvement Meeting (s) and Corridor Public Hearing (s) with the assistance of CONSULTANT.
- G. Prepare right-of-way maps, tract sketches, right-of-way deeds, and acquire right-of-way.
- H. Upon receipt of prints of final plans from the CONSULTANT, the CITY will furnish plans to each utility service owner and handle the securing of all appropriate utility agreements.
- I. Provide a copy of applicable portions of the ALDOT Hydraulics Manual and Guidelines For Operation, Plan Preparation Manual and GDCP.

- J. Make any necessary studies, testing, reporting, etc. for any identified hazardous waste sites along the proposed alignment.
- K. Prepare hydraulic analysis for streams where bridges are required for selected alignment based on field survey by the CITY.
- L. Prepare final hydraulic report and bridge length recommendation for streams based on information required from the CONSULTANT.
- M. Perform all geotechnical work and pavement structural design.
- N. Perform field surveys.
- O. Provide "fiber cable management" software.
- P. Provide all applicable field information and plans of existing facilities.
- Q. Provide CONSULTANT with unit prices as needed.

ARTICLE III – TIME OF BEGINNING AND COMPLETION

- A. The CONSULTANT will be notified in writing by the CITY and will be furnished a map showing the location of the project where work is to be performed, and a description of work requested, before beginning a project for the CITY.
- B. The CONSULTANT will prepare a proposal to include fee estimates in accordance with the terms of this AGREEMENT for approval by the CITY before beginning any work. The CONSULTANT may also be required to submit a man-day and fee estimate to the CITY.
- C. The CITY has the absolute right to reject all or parts of a proposal and may cause rejected work to be accomplished by other or different parties.
- D. The CONSULTANT will begin work within five (5) days after receipt of the approved proposal that will constitute the Notice to Proceed from the CITY.

- E. The CONSULTANT will furnish a monthly progress report on all work in progress, indicating work that has been completed to date as well as the schedule for completion of remaining work.
- F. This AGREEMENT will be effective upon the date of approval by the Legislative Contract Review Oversight Committee, and the signature of the Governor of Alabama, for a term of two years. Any requests for work by the CITY, made prior to the end of the two-year term will be covered by this AGREEMENT.

ARTICLE IV - PAYMENT

SECTION 1

Overhead shall be limited to the actual audited overhead rates. Salary increases shall be limited to a maximum of five (5) percent per year. Profit will be maintained at ten (10) percent of these costs. When a Region/Bureau requires the CONSULTANT to stay overnight at a project, the CONSULTANT will be reimbursed for actual expenses up to the maximum allowable by State Law. Employees whose vehicles are used for work-related mileage (excluding mileage for commuting) will be compensated at the prevailing Federal mileage rate as approved by the General Services Administration. Out-of-pocket expenses, not to exceed \$100.00, will be paid as direct cost plus ten (10) percent. Purchases over \$100.00 will require written authorization from the appropriate Region/Bureau.

For performance by the CONSULTANT of the services provided for in this AGREEMENT, and as full and complete compensation therefore, including all approved expenditures and expenses incurred by the CONSULTANT in connection with this AGREEMENT, and subject to conformity with all provisions of this AGREEMENT, the CITY will pay the CONSULTANT as follows:

- A. The total compensation to the CONSULTANT for services provided for when performed under this AGREEMENT will be as follows:

1. Direct Salary and Wages – Actual salary and wages paid personnel while actually engaged in the performance of the work, all as determined by the ALDOT’s Bureau of Finance and Audits.
2. Expenses – Actual CITY approved expenses associated with direct actual cost paid by the CONSULTANT not included in the overhead rates, applicable to services provided under this AGREEMENT. Subsistence for personnel engaged for assignments under this AGREEMENT at rates payable under STATE law. Vehicle mileage for work related mileage at the prevailing Federal mileage rate as approved by the General Services Administration. Other direct cost is allowed at cost plus a ten (10) percent profit, except for the cost of sub-consultants, which is limited to a five (5) percent administrative fee.
3. For work performed out of the CONSULTANT’S home or branch office, the CONSULTANT’S home office overhead and labor additive rate of 174.24 percent (for Fiscal Year Ending 12/31/2021) shall be applied to direct salary and wages. Home office Facilities Capital Cost of Money (FCCM) rate is 0.25 percent (for Fiscal Year Ending 12/31/2021) of the direct labor and no profit shall be allowed on the said item. Any sub-consultant’s overhead and labor additive rate shall not exceed prime consultant’s rate. This rate shall be fixed for the life of the AGREEMENT unless revised by SUPPLEMENTAL AGREEMENT.
4. For work performed out of ALDOT provided facility, the CONSULTANT’S field office and labor additive rate of 89.64 percent (for Fiscal Year Ending 12/31/2021) shall be applied to the direct salary and wages. Field office Facilities Capital Cost of Money (FCCM) rate is 0.25 percent (for Fiscal Year Ending 12/31/2021) of the direct labor and

no profit shall be allowed on the said item. Any sub-consultant's overhead and labor additive rate shall not exceed prime consultant's rate. This rate shall be fixed for the life of the AGREEMENT unless revised by SUPPLEMENTAL AGREEMENT.

- ~~5. For work performed out of STATE provided facility, the CONSULTANT'S geotechnical office and labor additive rate of 0.00 percent shall be applied to the direct salary and wages. Geotechnical office Facilities Capital Cost of Money (FCCM) rate is 0.00 percent of the direct labor and no profit shall be allowed on the said item. Any sub-consultant's overhead and labor additive rate shall not exceed prime consultant's rate. This rate shall be fixed for the life of the AGREEMENT unless revised by SUPPLEMENTAL AGREEMENT. (NOTE: For CONSULTANTS that have not provided an audited geotechnical office overhead rate, the billable geotechnical office rate shall be 125.00 percent until such time as one is provided to the STATE'S Bureau of Finance and Audits, External Audit Section.)~~
6. Profit at the rate of ten (10) percent applied to direct salary, overhead, and approved expenses, except for the cost of sub-consultants, which is limited to a five (5) percent administrative fee.
7. The ALDOT's Bureau of Finance and Audits, External Audit Section, shall be furnished a Financial Statement Audit that is in compliance with Generally Accepted Accounting Principles and an audited Statement of Indirect Cost developed in compliance with the Contract Cost Principles and Procedures stated in Volume 1, Federal Acquisition Regulations, Part 31, and the audit standards contained in the Government Auditing Standards issued by the Comptroller General of the United States by the end of the fifth month after the closing of the CONSULTANT's fiscal year.

8. An annual Certified Labor Rate for all employees of the CONSULTANT which may perform work under this AGREEMENT shall be furnished to the ALDOT's Bureau of Finance and Audits, External Audit Section, the beginning of each fiscal year this AGREEMENT is in effect. This Certification must be sent by the end of first month of the CONSULTANT's new fiscal year. Any changes occurring during the CONSULTANT's fiscal year such as the addition of new employees, annual pay increase and/or promotions which may affect the AGREEMENT will require a new certification on the employee affected as they occur.
9. Any paid overtime shall require prior authorization from the Region Engineer. Billable overtime is all time worked over Forty Hours each week or holidays observed by the CONSULTANT.

For firms that include the premium portion of direct labor overtime in the Direct Labor Base of the Indirect Cost Rate Calculation:

- a. The hourly overtime rate will be 1.5 times the billable rate.
- b. Hours worked on holidays observed in the Region on the work that is being performed by the CONSULTANT will be billable at an hourly rate of 2 times the regular billing rate.

For firms that do not include the premium portion of direct labor overtime in the Direct Labor Base of the Indirect Cost Rate Calculation:

- a. The hourly rate will be one 1 times the billable rate.
- b. The premium portion of overtime will be billed in accordance with the CONSULTANT'S Indirect Cost Rate Calculation.

10. The maximum amount payable to the CONSULTANT for the work provided for under this AGREEMENT shall not exceed Two Hundred Seventy-Nine Thousand Seven Hundred Seventy-Four and 00/100 Dollars (\$279,774.00).

SECTION 2

- A. Certified payroll reports for the personnel actively engaged on work included in this AGREEMENT will be furnished with each payment request.
- B. Payments to the CONSULTANT shall be made not more often than monthly. Such payments shall be subject to submission by the CONSULTANT of such vouchers or invoices, daily progress reports and such evidence of performance that the CITY may deem necessary. The original invoice, signed in blue ink and notarized, shall be submitted by the CONSULTANT to the appropriate Region/Bureau Office for review, approval and forwarding to the ALDOT's Bureau of Finance and Audits, External Audit Section, located in Montgomery, Alabama for payment.
- C. The CONSULTANT will correlate and coordinate the accounting of CONSULTANT to comply with the current audit system of the ALDOT and applicable Federal Acquisition Regulations. Since this is a cost reimbursable type of AGREEMENT, all direct job costs, and labor costs charged to the project will be the actual rate of pay at the time work is performed and will be subjected to audit by the ALDOT. Reviews and/or audits of the CONSULTANT's records may be performed to verify actual labor costs, actual quantities and actual expenses charged to this AGREEMENT as determined by the ALDOT's Bureau of Finance and Audits, to correct any errors, omissions or misstatements. In addition, upon request by the CITY, the CONSULTANT shall provide any and all personnel and/or employment records of the CONSULTANT's staff actually engaged in the performance of work.

SECTION 3

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

SECTION 4

The work to be performed under this AGREEMENT shall not include any work payable to the CONSULTANT under any other AGREEMENT(S) with the CITY in effect at the time the work is performed.

ARTICLE V - MISCELLANEOUS PROVISIONS

Exhibits A, B, C, D, E, F, G, H, I, K, L, M, N, O, P, Q, R and S attached hereto, are made a part of this AGREEMENT and the terms and provisions of such exhibits are binding on the parties respectively as fully and completely as they would bind the parties if such terms and provisions were set forth in writing in the AGREEMENT.

By signing this contract, the contracting parties affirm, for the duration of the AGREEMENT, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the AGREEMENT and shall be responsible for all damages resulting there from.

In the event of any dispute between the parties, senior officials of both parties shall meet and engage in a good faith attempt to resolve the dispute. Should that effort fail and the dispute involves

the payment of money, a party's sole remedy is the filing of a claim with the Board of Adjustment of the State of Alabama.

For any and all other disputes arising under the terms of this contract which are not resolved by negotiation, the parties agree to utilize appropriate forms of non-binding alternative dispute resolution including, but not limited to, mediation. Such dispute resolution shall occur in Montgomery, Alabama utilizing where appropriate, mediators selected from the roster of mediators maintained by the Center For Dispute Resolution of the Alabama State Bar.

In WITNESS WHEREOF, the Parties hereto have caused this AGREEMENT to be executed by those officers, officials and persons thereunto duly authorized, and the AGREEMENT is deemed to be effective on the date of approval by the City of Madison.

ATTEST:

MORELL ENGINEERING, INC.

By: _____
(Affix Corporate Seal)

By: _____
William T. Morell, President

RECOMMENDED FOR APPROVAL:

ATTEST:

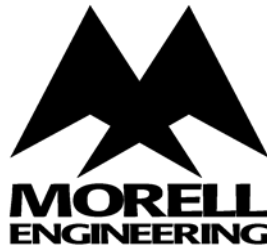
CITY OF MADISON

By: _____
(Affix Corporate Seal)

By: _____
Paul Finley, Mayor

The within and foregoing instrument is hereby approved on this _____

Day of _____, 20____.



January 10, 2023

E. Michelle Dunson, PE
City of Madison
100 Hughes Road
Madison, Alabama 35758

Subject: Proposal to Provide Engineering Services
STPAA-4522 Resurfacing, Traffic Stripe, and Signal Modifications on Madison Blvd. from Westchester Ave. to Flagstone Dr.; Traffic Signal Replacement and Drainage Improvements at the Intersection of Madison Blvd. and Wall Triana Hwy. SW/Sullivan St.; EB Left Turn Lane Addition on Madison Blvd. at the Intersection of Madison Blvd. and Wall Triana Hwy. SW/Sullivan St.; Additions of EB Right Turn Lane and WB Left/U-Turn Lane for 8151 Madison Blvd.
City of Madison, Alabama

Ms. Dunson:

Morell Engineering is pleased to submit this proposal to provide engineering services for the subject project. This proposal outlines the information provided to us regarding the project, our proposed scope of services, and a cost estimate (ALDOT man-day estimate) for the proposed services.

The City of Madison has plans to resurface and stripe Madison Boulevard from Westchester Avenue to Flagstone Drive. This project includes three intersections through these limits where existing signals will be modified to provide upgraded vehicle detection. This project also includes traffic signal replacement and drainage improvements for the intersection of Madison Boulevard and Wall Triana Highway SW/Sullivan Street; in addition to the traffic signal replacement and drainage improvements at this intersection, it is our understanding that the City of Madison would also like to add another eastbound left turn lane from Madison Boulevard onto Sullivan Street. It is also our understanding that the City of Madison would like to add an EB right turn lane and a WB left/u-turn lane for access to 8151 Madison Blvd. Our scope of services provided include surveying, geotechnical engineering for materials report, and roadway plans design including traffic signal design work.

The surveying services will be in accordance with the Alabama Standards of Practice for Land Surveying. Our survey will include existing features, topography, existing utilities (as located by 811 and provided data from local utilities), and right-of-way limits within the project limits. These services will also include traffic signal component information required for the traffic signal modification design.



Our Geotechnical services will be performed in accordance with the guidelines established in the ALDOT 390, *Procedure for Preparing Materials Reports and Conducting Soil Surveys* (latest revision date). Additionally, passive pressure analyses will be performed for the planned traffic poles.

Morell Engineering will perform a total of twelve (12) soil test borings for this project. Eight (8) of the borings will be performed in planned turn lane areas, and the remaining four (4) borings will be performed at the planned traffic pole locations. The pavement borings will each be extended to a depth of 10 feet, or refusal, whichever occurs first. The traffic pole borings will each be extended to a depth of 25 feet, or refusal, whichever occurs first. Exploration of refusal materials, if encountered, is not included in our scope of services.

Standard Penetration Tests (SPT) will be performed at standard sample intervals for each boring. Each of the samples will be visually classified by a member of our engineering staff and placed in sealed bags until being transported to our laboratory for testing.

The existing pavement will also be cored at select locations to determine the existing pavement structure (i.e., asphalt layer thicknesses, base type, and thickness) of the roadway. We have budgeted to include obtaining eight (8) asphalt cores.

All boreholes and asphalt core locations will be surveyed for location and elevation using a survey-grade GPS instrument by Morell Engineering personnel. Traffic Control will be provided for this project by Morell Engineering personnel.

Morell Engineering will contact the Alabama One Call service to locate public utilities within the roadways and roadway right-of-way prior to beginning any soil boring activities. While Morell Engineering will exercise standard care to avoid underground utilities, we will not be liable for damage to any unmarked or erroneously marked utilities.

To minimize hazardous conditions to others, each borehole will be backfilled upon completion using auger cuttings. Additionally, the upper approximately 12 to 24 inches of each of the boreholes will be backfilled using grout.


Soil samples representative of the soil(s) encountered at the site will be selected for laboratory testing. The laboratory tests will be used to aid in soil classification and to determine physical characteristics of the soils at the project site. Laboratory tests will include Atterberg Limits, Natural Moisture Contents, Sieve Analyses, and #200 Washes.

Morell Engineering will also provide design services and develop roadway construction plans for this project. These plans will be done in accordance with ALDOT's Guidelines for Operation (GFO) and Guide for Developing Construction Plans (GDCCP). Roadway plans will be designed for the posted speed of Madison Boulevard. Estimates of quantities and construction estimates will be prepared. We will be partnering with Skipper Consulting for the signal design work.



We appreciate the opportunity to submit this proposal and we look forward to working with you. If you have any questions regarding this proposal, please contact us at your convenience.

Respectfully submitted,


W Taz Morell, PE/PLS
President

WTM/chs

Attachment: Man-Day Fee Proposal
Consulting and Service Agreement



Project No.	STPAA-4522
County	Madison (City of Madison)
Description	Resurface & Stripe Madsion Blvd, Westchester Ave to
Scope of Work	Flagstone Dr; Traffic Signal Replacement & Drainage Imp. at Intersection of Madison Blvd and Wall Triana/Sullivan St; EB Left Turn Lane on Madison Blvd at Wall Triana/Sullivan; EB Right and WB Left/U-Turn Lanes for 8151 Madison Blvd
Project Length	2.50 Miles
Consultant	Morell Engineering, Inc.

Fee Proposal (ALDOT 390 Soil Survey and Materials Report)

PERSONNEL COST			
	Man-days x Daily Rate		
Project Manager (10% of Eng. & Env.)	1.00	\$ 600.00	\$ 600.00
Engineer	7.50	\$ 520.00	\$ 3,900.00
Engineering Technician	2.50	\$ 400.00	\$ 1,000.00
Asphalt Coring Crew	1.50	\$ 520.00	\$ 780.00
Traffic Control	6.50	\$ 1,000.00	\$ 6,500.00
Clerical	0.00	\$ 280.00	\$ -
	Total Direct Labor		\$ 12,780.00
Combined Overhead (%)	174.24		\$ 22,267.87
Out-of-Pocket Expenses**			\$ -
	Sub-Total		\$ 35,047.87
Operating Margin (10%)			\$ 3,504.79
	Sub-Total		\$ 38,552.66
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
GSE, Inc.			\$ 3,600.00
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
Subconsultant Administration Expense (5%)			\$ 180.00
	Sub-Total		\$ 42,332.66
Facilities Capital Cost of Money (% of Direct Labor)	0.00		\$ -
	TOTAL FEE		\$ 42,332.66

**See Grand Total Fee sheet

Project No. STPAA-4522
County Madison (City of Madison)
Description Resurface & Stripe Madsion Blvd, Westchester Ave to Flagstone Dr;
Scope of Work Traffic Signal Replacement & Drainage Improvements at Intersection of Madison Blvd and Wall Triana/Sullivan St; EB Left Turn Lane on Madison Blvd at Wall Triana/Sullivan; EB Right and WB Left/U Turn Lanes for 8151 Madison Blvd
Project Length 2.50 Miles
Consultant Morell Engineering, Inc.

ALDOT 390 Soil Survey and Materials Report	Engineer	Engineering Technician	Asphalt Coring Crew	Traffic Control	Clerical
Task A: Field Exploration and Laboratory Work					
A-1 Project Coordination	1.00	0.00	0.00	0.00	0.00
A-2 Pavement Distress Condition Survey	3.00	0.00	0.00	3.00	0.00
A-3 Pavement Coring/Patching	0.00	0.00	1.50	1.00	0.00
A-4 Soil Borings	0.50	0.00	0.00	2.50	0.00
A-5 Laboratory Work	0.00	2.50	0.00	0.00	0.00
Task A Totals	4.50	2.50	1.50	6.50	0.00
Task B: Soil Survey and Materials Report					
B-1 Draft Report	2.00	0.00	0.00	0.00	0.00
B-2 Final Report	1.00	0.00	0.00	0.00	0.00
Task B Totals	3.00	0.00	0.00	0.00	0.00
TOTALS	7.50	2.50	1.50	6.50	0.00

Project No.	STPAA-4522
County	Madison (City of Madison)
Description	Resurface & Stripe Madsion Blvd, Westchester Ave to
Scope of Work	Flagstone Dr; Traffic Signal Replacement & Drainage Imp. at Intersection of Madison Blvd and Wall Triana/Sullivan St; EB Left Turn Lane on Madison Blvd at Wall Triana/Sullivan; EB Right and WB Left/U-Turn Lanes for 8151 Madison Blvd
Project Length	2.50 Miles
Consultant	Morell Engineering, Inc.
Fee Proposal (Field Survey)	

PERSONNEL COST			
	Man-days x Daily Rate		
Project Manager (10% of PLS)	0.375	\$ 600.00	\$ 225.00
PLS	3.75	\$ 600.00	\$ 2,250.00
Survey Crew (see man-day sheet)	12.75	\$ 520.00	\$ 6,630.00
Engineering Technician/CADD	14.50	\$ 400.00	\$ 5,800.00
Clerical	0.00	\$ 280.00	\$ -
	Total Direct Labor		\$ 14,905.00
Combined Overhead (%)	174.24		\$ 25,970.47
Out-of-Pocket Expenses**			\$ -
	Sub-Total		\$ 40,875.47
Operating Margin (10%)			\$ 4,087.55
	Sub-Total		\$ 44,963.02
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
			\$ -
			\$ -
			\$ -
Subconsultant Administration Expense (5%)			\$ -
	Sub-Total		\$ 44,963.02
Facilities Capital Cost of Money (% of Direct Labor)	0.00		\$ -
	TOTAL FEE		\$ 44,963.02

**See Grand Total Fee sheet

Project No.	STPAA-4522
County	Madison (City of Madison)
Description	Resurface & Stripe Madsion Blvd, Westchester Ave to Flagstone Dr;
Scope of Work	Traffic Signal Replacement & Drainage Improvements at Intersection of Madison Blvd and Wall Triana/Sullivan St; EB Left Turn Lane on Madison Blvd at Wall Triana/Sullivan; EB Right and WB Left/U Turn Lanes for 8151 Madison Blvd
Project Length	2.50 Miles
Consultant	Morell Engineering, Inc.

FIELD SURVEY	PLS	Crew	Tech/CADD	Clerical
Based on a 2 Man Crew				
Task A: Mobilization and Basic Control Survey				
A-1 Mobilize/Demobilize	0.25	0.75	0.50	0.00
A-2 Contact Property Owners	0.25	0.00	0.00	0.00
A-3 Perform Basic Control Survey	0.25	1.00	0.75	0.00
A-4 Conduct On-site Inspection	0.50	0.00	1.00	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
Task A Totals	1.25	1.75	2.25	0.00
Task B: Project Alignment and Profile				
B-1 Run Closure of Basic Control Survey/Prepare Closure Diagram	0.00	0.00	0.25	0.00
B-2 Establish Centerline/Obtain Ground Profile	0.50	1.00	1.50	0.00
B-3 Obtain Topographic Data	0.00	6.50	4.50	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
Task B Totals	0.50	7.50	6.25	0.00
Task C: Supplemental Control Surveys and Data Gathering				
C-1 Traverse Cross-Roads and Railroads	0.25	0.50	0.25	0.00
C-2 Stream Topography & Cross Sections/Complete HYD-100 & 101 Forms	0.00	0.00	0.00	0.00

C-3 Define Drainage Areas/Prepare Schematic Drainage Map	0.00	0.00	0.75	0.00
C-4 Obtain Cross-Sections at 20 Meter Intervals and Ground Break Points	0.00	0.50	0.25	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
Task C Totals	0.25	1.00	1.25	0.00
Task D: Utility Surveys, Drainage Sections and Compilation of Data				
D-1 Identify/Locate Utilities	0.50	1.25	1.00	0.00
D-2 Obtain Hydrological Location Survey	0.25	0.75	0.50	0.00
D-3 Tie All Available Section Corners & All Available Front Corners of Affected Properties to Project Centerline	0.25	0.00	0.50	0.00
D-4 Obtain Copies of Latest Deeds	0.25	0.00	1.00	0.00
D-5 Set & Reference Pls, PCs, POTs, POCs, & other critical points	0.25	0.50	0.50	0.00
D-6 Reduce Survey Field Notes	0.25	0.00	1.00	0.00
D-7 Submit Work for Review/Sealed Mylar Plot of Accepted Field Map	0.00	0.00	0.25	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
Task D Totals	1.75	2.50	4.75	0.00
TOTALS				
	3.75	12.75	14.50	0.00

Project No.	STPAA-4522
County	Madison (City of Madison)
Description	Resurface & Stripe Madsion Blvd, Westchester Ave to
Scope of Work	Flagstone Dr; Traffic Signal Replacement & Drainage Imp. at Intersection of Madison Blvd and Wall Triana/Sullivan St; EB Left Turn Lane on Madison Blvd at Wall Triana/Sullivan; EB Right and WB Left/U-Turn Lanes for 8151 Madison Blvd
Project Length	2.50 Miles
Consultant	Morell Engineering, Inc.
Fee Proposal (Roadway Plans)	

PERSONNEL COST			
	Man-days x Daily Rate		
Project Manager (10% of Eng.)	4.195	\$ 600.00	\$ 2,517.00
Engineer	41.95	\$ 520.00	\$ 21,814.00
Engineering Technician/CADD	68.03	\$ 400.00	\$ 27,212.00
Clerical	0.00	\$ 280.00	\$ -
Total Direct Labor			\$ 51,543.00
Combined Overhead (%)	174.24		\$ 89,808.52
Out-of-Pocket Expenses**			\$ -
Sub-Total			\$ 141,351.52
Operating Margin (10%)			\$ 14,135.15
Sub-Total			\$ 155,486.67
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
Skipper Consulting, Inc.		\$	35,230.00
		\$	-
		\$	-
Subconsultant Administration Expense (5%)		\$	1,761.50
Sub-Total			\$ 192,478.17
Facilities Capital Cost of Money (% of Direct Labor)	0.00		\$ -
TOTAL FEE			\$ 192,478.17

**See Grand Total Fee sheet

Project Number STPAA-4522	CPMS # _____
County Madison (City of Madi	_____
Description Resurface & Stripe Madsion Blvd, Westchester Ave to Flagstone Dr;	
Scope of work Traffic Signal Replacement & Drainage Improvements at Intersection of Madison Blvd and Wall Triana/Sullivan St; EB Left Turn Lane on Madison Blvd at Wall Triana/Sullivan; EB Right and WB Left/U Turn Lanes for 8151 Madison Blvd	
Length 2.50 _____ miles	
Consultant Morell Engineering, Inc.	

ROADWAY PLANS SHEET TITLE	NO OF SHEETS	ESTIMATED MAN-DAYS			
		ENGINEER		TECHNICIAN	
		SHEET	TOTAL	SHEET	TOTAL
TITLE SHEET	1.00	0.25	0.25	0.50	0.50
INDEX SHEET	1.00	0.25	0.25	0.50	0.50
GEOMETRIC LAYOUT/SURVEY CONTROL	2.00	0.25	0.50	0.50	1.00
PROJECT NOTE SHEET (Project)	1.00	0.50	0.50	0.50	0.50
PROJECT NOTE SHEET (TCP)	1.00	0.25	0.25	0.50	0.50
PROJECT NOTE SHEET (Signage)	1.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Signals)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (ITS)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Lighting)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Traffic Loops)	0.00	0.00	0.00	0.00	0.00
PLANS LEGEND & ABBREVIATIONS	2.00	0.25	0.50	0.25	0.50
TYPICAL SECTIONS					
Main Roadway	5.00	1.00	5.00	1.50	7.50
Cross Roads	3.00	0.50	1.50	1.50	4.50
Detour & Misc.	0.00	0.00	0.00	0.00	0.00
Ramps	0.00	0.00	0.00	0.00	0.00
Ditches	1.00	0.50	0.50	1.00	1.00
	0.00	0.00	0.00	0.00	0.00
SUMMARY SHEET					
Main Summary	2.00	2.00	4.00	2.00	4.00
SUMMARY BOX SHEETS					
Roadway Drainage (non-culvert)	0.50	0.25	0.13	0.50	0.25
Culvert Extension, New Culvert	0.00	0.00	0.00	0.00	0.00
Bridge Culvert Extension, New Bridge Culvert	0.00	0.00	0.00	0.00	0.00
Guardrail/End Anchors	0.25	0.25	0.06	0.50	0.13
Slope Paving (Under Bridges)	0.00	0.00	0.00	0.00	0.00
Side Drain Pipe	0.25	0.25	0.06	0.50	0.13
Signing	0.50	0.25	0.13	0.25	0.13
Base & Pavement	1.00	0.25	0.25	0.50	0.50
Bridge	0.00	0.00	0.00	0.00	0.00
Striping & Pavement Markings	1.50	1.00	1.50	1.50	2.25
Curb & Gutter	0.25	0.25	0.06	0.50	0.13
Bridge End Slabs	0.00	0.00	0.00	0.00	0.00
Roadway Lighting	0.00	0.00	0.00	0.00	0.00
Signals	0.00	0.00	0.00	0.00	0.00
ITS	0.00	0.00	0.00	0.00	0.00
Sidewalk	0.00	0.00	0.00	0.00	0.00
Slope Paving (Ditches)/Ditch Summary	0.25	0.50	0.13	0.50	0.13
Concrete Safety Barrier	0.00	0.00	0.00	0.00	0.00
Retaining Wall	0.00	0.00	0.00	0.00	0.00
Misc. Boxes	1.50	0.75	1.13	2.00	3.00
Erosion Control	0.50	0.50	0.25	0.75	0.38
Removal Items	0.50	0.50	0.25	1.00	0.50
Utility Relocation	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
PLAN & PROFILE					
Main Roadway	4.00	0.75	3.00	1.50	6.00
Crossroads	0.00	0.00	0.00	0.00	0.00
Detours	0.00	0.00	0.00	0.00	0.00

PAVING LAYOUT (includes striping)					
Main Roadway	3.00	0.50	1.50	1.50	4.50
Crossroads	0.00	0.00	0.00	0.00	0.00
Intersections	2.00	0.50	1.00	1.50	3.00
	0.00	0.00	0.00	0.00	0.00
INTERCHANGES					
Geometrics	0.00	0.00	0.00	0.00	0.00
Ramps Profiles	0.00	0.00	0.00	0.00	0.00
Site Grading	0.00	0.00	0.00	0.00	0.00
Cross Sections	0.00	0.00	0.00	0.00	0.00
Signing	0.00	0.00	0.00	0.00	0.00
Ramp Gore Details	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
TRAFFIC CONTROL					
Sequence of Construction	0.50	0.50	0.25	0.50	0.25
Summary & Items	0.50	0.50	0.25	1.00	0.50
Typical Section Sketches	0.00	0.00	0.00	0.00	0.00
Layout Sheets (signs, devices, shifts, etc.)	1.00	0.50	0.50	0.50	0.50
Special Drawings	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SIGNING					
Sign Layout	3.00	0.50	1.50	1.00	3.00
Sign X-Section	0.00	0.00	0.00	0.00	0.00
Sign Panel Details	0.00	0.00	0.00	0.00	0.00
Soils Data Sheets (provided by ALDOT)	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SIGNALIZATION					
Signal Layout and Traffic Analysis (1 per site)	0.00	0.00	0.00	0.00	0.00
Traffic Counts (1 per site)	0.00	0.00	0.00	0.00	0.00
Signal Warrant Analysis (1 per site)	0.00	0.00	0.00	0.00	0.00
Soils Data Sheets (provided by ALDOT)	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
ITS					
Systems Engineering	0.00	0.00	0.00	0.00	0.00
Special Study	0.00	0.00	0.00	0.00	0.00
Legend	0.00	0.00	0.00	0.00	0.00
Special Details	0.00	0.00	0.00	0.00	0.00
ITS Layouts	0.00	0.00	0.00	0.00	0.00
Optical Fiber Splice Charts	0.00	0.00	0.00	0.00	0.00
Fiber - Cable Routing Diagram	0.00	0.00	0.00	0.00	0.00
Specifications	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
LIGHTING					
Plan Layout	0.00	0.00	0.00	0.00	0.00
Demo Plans	0.00	0.00	0.00	0.00	0.00
Special Details	0.00	0.00	0.00	0.00	0.00
Soils & Passive Pressure (provided by ALDOT)	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00

UTILITY SHEETS					
Utility Locations (plan/profile)	4.00	1.00	4.00	1.50	6.00
	0.00	0.00	0.00	0.00	0.00
DRAINAGE SECTIONS					
Pipe & Culvert X-Sect./Hydraulic Computation	3.00	1.00	3.00	1.50	4.50
Hydraulic Data Sheet	0.00	0.00	0.00	0.00	0.00
Details	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SOIL SHEETS					
Soil Boring Logs	2.00	0.25	0.50	0.00	0.00
Soil Profile	2.00	0.25	0.50	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
EROSION CONTROL					
Legend & Sequence	1.00	0.25	0.25	0.25	0.25
Phased Sheets (Phase I)	2.00	0.25	0.50	0.25	0.50
Phased Sheets (Phase II)	2.00	0.25	0.50	0.25	0.50
Phased Sheets (Phase III)	2.00	0.25	0.50	0.25	0.50
CBMPP & NOI	1.00	0.50	0.50	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
ROADWAY CROSS SECTIONS					
Main Roadway	4.00	0.25	1.00	0.50	2.00
Crossroads	0.00	0.00	0.00	0.00	0.00
Earthwork Balancing	2.00	0.25	0.50	0.50	1.00
	0.00	0.00	0.00	0.00	0.00
REVIEW COMMENTS					
30% Review			1.50		2.00
Plan-in-Hand Inspection			0.00		0.00
PS&E Inspection			1.50		2.50
Cost Estimates					
Design Hearing			1.00		1.00
Railroad Coordination			0.00		0.00
			1.00		1.50
SUB-TOTAL	66.00		41.95		68.03
10% Supervision			4.20		
TOTALS					
	66.00		41.95		68.03

Project Number _____		CPMS # _____			
County <u>Madison</u>					
Description <u>Madison Blvd Signals</u>					
Scope of work <u>Traffic Signalization and Detection Upgrades</u>					
Length <u>0.00</u> miles					
Consultant <u>Skipper Consulting, Inc.</u>					
ROADWAY PLANS SHEET TITLE	NO OF SHEETS	ESTIMATED MAN-DAYS			
		ENGINEER		TECHNICIAN	
		SHEET	TOTAL	SHEET	TOTAL
TITLE SHEET	0.00	0.25	0.00	0.50	0.00
INDEX SHEET	0.00	0.25	0.00	0.50	0.00
GEOMETRIC LAYOUT/SURVEY CONTROL	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Project)	0.00	0.25	0.00	0.25	0.00
PROJECT NOTE SHEET (TCP)	0.00	0.25	0.00	0.25	0.00
PROJECT NOTE SHEET (Signage)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Signals)	1.00	0.25	0.25	0.25	0.25
PROJECT NOTE SHEET (ITS)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Lighting)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Traffic Loops)	0.00	0.00	0.00	0.00	0.00
PLANS LEGEND & ABBREVIATIONS	0.00	0.13	0.00	0.13	0.00
TYPICAL SECTIONS					
Main Roadway	0.00	0.00	0.00	0.00	0.00
Cross Roads	0.00	0.00	0.00	0.00	0.00
Detour & Misc.	0.00	0.00	0.00	0.00	0.00
Ramps	0.00	0.00	0.00	0.00	0.00
Ditches	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SUMMARY SHEET					
Main Summary	0.00	0.25	0.00	0.50	0.00
SUMMARY BOX SHEETS					
Roadway Drainage (non-culvert)	0.00	0.00	0.00	0.00	0.00
Culvert Extension, New Culvert	0.00	0.00	0.00	0.00	0.00
Bridge Culvert Extension, New Bridge Culvert	0.00	0.00	0.00	0.00	0.00
Guardrail/End Anchors	0.00	0.00	0.00	0.00	0.00
Slope Paving (Under Bridges)	0.00	0.00	0.00	0.00	0.00
Side Drain Pipe	0.00	0.00	0.00	0.00	0.00
Signing	0.00	0.00	0.00	0.00	0.00
Base & Pavement	0.00	0.00	0.00	0.00	0.00
Bridge	0.00	0.00	0.00	0.00	0.00
Striping & Pavement Markings	0.00	0.00	0.00	0.00	0.00
Curb & Gutter	0.00	0.00	0.00	0.00	0.00
Bridge End Slabs	0.00	0.00	0.00	0.00	0.00
Roadway Lighting	0.00	0.00	0.00	0.00	0.00
Signals	1.00	0.25	0.25	0.25	0.25
ITS	0.00	0.00	0.00	0.00	0.00
Sidewalk	0.00	0.00	0.00	0.00	0.00
Slope Paving (Ditches)/Ditch Summary	0.00	0.00	0.00	0.00	0.00
Concrete Safety Barrier	0.00	0.00	0.00	0.00	0.00
Retaining Wall	0.00	0.00	0.00	0.00	0.00
Misc. Boxes	0.00	0.00	0.00	0.00	0.00
Erosion Control	0.00	0.25	0.00	0.25	0.00
Removal Items	0.00	0.00	0.00	0.00	0.00
Utility Relocation	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
PLAN & PROFILE					
Main Roadway	0.00	0.00	0.00	0.00	0.00
Crossroads	0.00	0.00	0.00	0.00	0.00
Detours	0.00	0.00	0.00	0.00	0.00
Retaining Walls	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00

ROADWAY PLANS SHEET TITLE	NO OF SHEETS	ESTIMATED MAN-DAYS			
		ENGINEER		TECHNICIAN	
		SHEET	TOTAL	SHEET	TOTAL
PAVING LAYOUT (includes striping)					
Main Roadway	0.00	0.00	0.00	0.00	0.00
Crossroads	0.00	0.00	0.00	0.00	0.00
Intersections	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
INTERCHANGES					
Geometrics	0.00	0.00	0.00	0.00	0.00
Ramps Profiles	0.00	0.00	0.00	0.00	0.00
Site Grading	0.00	0.00	0.00	0.00	0.00
Cross Sections	0.00	0.00	0.00	0.00	0.00
Signing	0.00	0.00	0.00	0.00	0.00
Ramp Gore Details	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
TRAFFIC CONTROL					
Sequence of Construction	0.00	0.25	0.00	0.25	0.00
Summary & Items	0.00	0.25	0.00	0.25	0.00
Typical Section Sketches	0.00	0.00	0.00	0.00	0.00
Layout Sheets (signs, devices, shifts, etc.)	0.00	0.25	0.00	0.25	0.00
Special Drawings	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SIGNING					
Sign Layout	0.00	0.00	0.00	0.00	0.00
Sign X-Section	0.00	0.00	0.00	0.00	0.00
Sign Panel Details	0.00	0.00	0.00	0.00	0.00
Soils Data Sheets (provided by ALDOT)	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SIGNALIZATION					
Signal Layout and Traffic Analysis (1 per site)	4.00	2.50	10.00	1.50	6.00
Traffic Counts (1 per site)	0.00	0.00	0.00	1.00	1.00
Signal Warrant Analysis (1 per site)	0.00	1.00	1.00	1.50	1.50
Soils Data Sheets	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
ITS					
Systems Engineering	0.00	0.00	0.00	0.00	0.00
Special Study	0.00	0.00	0.00	0.00	0.00
Legend	0.00	0.00	0.00	0.00	0.00
Special Details	0.00	0.00	0.00	0.00	0.00
ITS Layouts	0.00	0.00	0.00	0.00	0.00
Optical Fiber Splice Charts	0.00	0.00	0.00	0.00	0.00
Fiber - Cable Routing Diagram	0.00	0.00	0.00	0.00	0.00
Specifications	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
LIGHTING					
Plan Layout	0.00	0.00	0.00	0.00	0.00
Demo Plans	0.00	0.00	0.00	0.00	0.00
Special Details	0.00	0.00	0.00	0.00	0.00
Soils & Passive Pressure (provided by ALDOT)	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00

ROADWAY PLANS SHEET TITLE	NO OF SHEETS	ESTIMATED MAN-DAYS			
		ENGINEER		TECHNICIAN	
		SHEET	TOTAL	SHEET	TOTAL
UTILITY SHEETS					
Utility Locations (plan/profile)	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
DRAINAGE SECTIONS					
Pipe & Culvert X-Sect./Hydraulic Computations	0.00	0.00	0.00	0.00	0.00
Hydraulic Data Sheet	0.00	0.00	0.00	0.00	0.00
Details	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SOIL SHEETS					
Soil Boring Logs	0.00	0.00	0.00	0.00	0.00
Soil Profile	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
EROSION CONTROL					
Legend & Sequence	0.00	0.00	0.00	0.00	0.00
Phased Sheets (Phase I)	0.00	0.25	0.00	0.25	0.00
Phased Sheets (Phase II)	0.00	0.00	0.00	0.00	0.00
Phased Sheets (Phase III)	0.00	0.00	0.00	0.00	0.00
CBMPP & NOI	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
ROADWAY CROSS SECTIONS					
Main Roadway	0.00	0.00	0.00	0.00	0.00
Crossroads	0.00	0.00	0.00	0.00	0.00
Earthwork Balancing	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
REVIEW COMMENTS					
30% Review			0.00		0.00
Plan-in-Hand Inspection			0.00		0.00
PS&E Inspection			1.00		1.00
Cost Estimates					
Cost Estimates			0.25		0.25
Design Hearing			0.00		0.00
SUB-TOTAL					
SUB-TOTAL	6.00		12.75		10.25
10% Supervision			1.28		
TOTALS					
TOTALS	6.00		12.75		10.25

Project No.	_____
County	Madison
Description	Madison Blvd
Scope of Work	Traffic Signalization and Detection Upgrades
Project Length	0.00 Miles
Consultant Skipper Consulting, Inc.	
Fee Proposal (Roadway Plans)	

PERSONNEL COST			
	Man-days	x Daily Rate	
Project Manager (10% of Eng.)	1.28	\$ 655.76	\$ 839.37
Engineer	12.75	\$ 558.64	\$ 7,122.66
Engineering Technician/CADD	10.25	\$ 398.88	\$ 4,088.52
Clerical	0.00	\$ 164.00	\$ -
Total Direct Labor			\$ 12,050.55
Combined Overhead (%)	162.48		\$ 19,579.73
Out-of-Pocket Expenses**			\$ 385.62
Sub-Total			\$ 32,015.90
Operating Margin (10%)			\$ 3,201.59
Sub-Total			\$ 35,217.49
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
			\$ -
			\$ -
Subconsultant Administration Expense (5%)			\$ -
Sub-Total			\$ 35,217.49
Facilities Capital Cost of Money (% of Direct Labor)	0.10		\$ 12.05
TOTAL FEE			\$ 35,229.54

**See Grand Total Fee sheet

Project No. _____
County Madison
Description Madison Blvd
Scope of Work Traffic Signalization and Detection Upgrades
Project Length 0.00 Miles

Consultant Skipper Consulting, Inc.

Out-of-pocket Expenses (Roadway Plans)

TRAVEL COST

Mileage Cost	Trips	Miles/Trip	\$/Mile	Total
Field work	2	180	\$0.625	\$ 225.00
PS&E	1	180	\$0.625	\$ 112.50
	0	0	\$0.000	\$ -
	0	0	\$0.000	\$ -
Total Mileage Cost				\$ 337.50

Subsistence Cost	Days	# People	\$/Day	Total
Travel allowance (6 hour trips)	2	2	\$11.25	\$ 45.00
Travel allowance (12 hour trips - meal provided by others)	0	0	\$20.00	\$ -
Travel allowance (12 hour trips)	0	0	\$30.00	\$ -
Travel allowance (overnight)***	0	0	\$75.00	\$ -
				\$ -
Total Subsistence Cost				\$ 45.00
Total Travel Cost				\$ 382.50

PRINTING / REPRODUCTION COST

Type of printing/reproduction	# of Sets	Sheets/Set	Total Sheets	Cost/Sheet	Total
PS&E	1	6	6	\$ 0.13	\$ 0.78
FBC	1	6	6	\$ 0.13	\$ 0.78
Construction	1	6	6	\$ 0.13	\$ 0.78
Office Engineer	1	6	6	\$ 0.13	\$ 0.78
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
Total Printing/Reproduction Cost					\$ 3.12

Communication Cost (telephone, fax, etc.)	Total
	\$ -

Postage Cost (overnight, stamps, etc.)	Total
	\$ -

Other (provide description on next line)	Total
	\$ -

Total Out-of-pocket Expenses	\$ 385.62
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Comments:

***You must have ALDOT approval for ANY overnight trips of less than 100 miles.