



Robert Bentley
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ALABAMA DEPARTMENT OF TRANSPORTATION

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CONTINUOUS ANNOUNCEMENT FOR SERVICES

TO: Consultants

**FROM: Alabama Department of Transportation
Chief Engineer**

**RE: Transportation Support Services for Cities and/or Counties
Statewide**

The Alabama Department of Transportation is taking submittals from firms interested in providing consultant services for Transportation Support Services for Cities and/or Counties. Attached are a scope of work and a list of evaluation items. Firms expressing interest should be fully capable of providing the end results.

This announcement is continuous and will remain open until further notice.

Your response to this announcement should be in the form of a letter-type response that addresses the points listed in the evaluation portion of the announcement. **This response should be limited to a maximum of four pages including "Attachment A".**

All firms currently on the list of on-call consultants for the above referenced services, even those recently added, need to resubmit statements of interest **at this time** in order to remain on the list of on-call consultants.

ARTICLE I – SCOPE OF WORK

The CONSULTANT will prepare roadway plans and perform other requested pre-construction, administrative and/or general services activities on-call, on a statewide basis, for CITIES AND/OR COUNTIES. The projects will include, but not be limited to, resurfacing, safety, intersection improvements, signal design, lighting design, intelligent transportation system (ITS) design, bridge design, 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.

The work to be performed by the CONSULTANT will include the preparation of contract plans, all as follows:

SECTION 1 – ENVIRONMENTAL STUDIES

TASK A – FIELD REVIEW

A-1 The CONSULTANT will obtain and study CITY/COUNTY supplied mapping and accompany the STATE'S ALDOT Environmental Technical Section 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, 1997 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 STATE'S ALDOT Environmental Technical Section 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 Technical Advisory 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 CIY/COUNTY and the

STATE'S ALDOT Environmental Technical Section 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/COUNTY and the STATE'S ALDOT Environmental Technical Section 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/COUNTY and follow the public involvement procedures set forth by ALDOT.

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/COUNTY, or CONSULTANT if requested by the CITY/COUNTY. 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/COUNTY in analyzing comments received through the public meeting(s) and in resolving comments within the scope of the AGREEMENT to the satisfaction of ALDOT.

- 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 ALDOT (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/COUNTY or CONSULTANT if requested

by ALDOT. 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/COUNTY in analyzing comments received from the Public Hearing, within the scope of this AGREEMENT, to the satisfaction of ALDOT.

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/COUNTY in order for ALDOT 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 Test 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 ALDOT'S Materials and Test 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 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/COUNTY and the STATE'S ALDOT Environmental Technical Section 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/COUNTY and the STATE'S ALDOT Environmental Technical Section. The CADD files are required to be completely compatible with ALDOT'S current production versions of CADD software, Bentley's MicroStation V8i-SS2 and InRoads 2004 (Version 8.5i-SS2) or newer versions of these software packages.

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 STATE. Appendices are to be supplied to the CITY/COUNTY and the STATE'S ALDOT Environmental Technical Section 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/COUNTY, and reaffirm the Design Criteria consistent with the policies of the CITY/COUNTY, and of criteria established during the Corridor Studies.
- C. The CONSULTANT will prepare hydraulic designs and supporting calculations according to approved chapters of ALDOT'S Hydraulic Manual, otherwise in the absence of direction in ALDOT'S 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/COUNTY.
- 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 ALDOT, City or Local Community, 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). 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, June 2003 (Revised 1-06)*.

- J. Each project Plan Assembly will include title, summary of quantities, typical section, drainage section, plan and profile, paving layout, earthwork cross-section, erosion control and sedimentation prevention, and all other sheets required for receipt of bids by the STATE/CITY/COUNTY 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 ALDOT'S Hydraulic 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 ALDOT'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 drains, existing and proposed, 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/COUNTY, 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/COUNTY.
- M. Arrangements will be made by the CITY/COUNTY with any affected utility owner to prepare plans for any utility relocation. Following the Plan-In-Hand Inspection, the CONSULTANT will provide utility base sheets to the CITY/COUNTY showing existing utilities for CITY/COUNTY'S use and coordination with the utility companies. 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, 2012 Edition, (or latest succeeding standard specifications issued by 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 STATE/CITY/COUNTY 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 ALDOT 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/COUNTY.

- P. Following the 30% Review, a Design Public Hearing will be conducted by the CITY/COUNTY with assistance from the CONSULTANT. The CONSULTANT will prepare data, maps, and plans as necessary for the Design Public Hearing. Representatives of the CONSULTANT will be in attendance at the Design Public Hearing to explain and comment upon matters pertinent to studies performed on this project. The CONSULTANT will assist the STATE/CITY/COUNTY in analyzing comments received from the Design Public Hearing, within the scope of this AGREEMENT, to the satisfaction of the STATE/CITY/COUNTY.
- Q. Preliminary detailed contract plans and estimates for each construction project shall be submitted to the CITY/COUNTY 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 STATE/CITY/COUNTY.
- S. The CONSULTANT will prepare plans using size and weight of pens as indicated in ALDOT's CADD Standards that will facilitate 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. Following the Plan-In-Hand Inspection, the CONSULTANT will make appropriate revisions to plans, then submit a set of reproducible Mylars of plans along with the corresponding CADD Utility files, for use of the CITY/COUNTY in obtaining utility relocation information. All CADD files shall be graphic files submitted in .DGN Format compatible with Bentley's MicroStation V8i-SS2 and InRoads 2004 (Version 8.5i-SS2) or newer versions of these software packages.
- U. After the Plan-In-Hand Inspection, the CONSULTANT will prepare reproducible base maps showing property ties and ownership and submit to the STATE/CITY/COUNTY with the latest recorded deeds and preliminary plans showing construction limits and acquired right-of-way limits for the use of the CITY/COUNTY in acquiring right-of-way. The right-of-way submittal shall be accompanied by an electronic disk in .DGN format showing all base maps and acquired right-of-way information.
- V. 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 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/COUNTY for its Quality Control review. Following the P.S. & E., the CONSULTANT will establish the right-of-way to be acquired by setting irons and caps at right-of-way breaks and P.C.s and P.T.s and will flag the R.O.W. line. 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.

- W. The CONSULTANT, at each review stage, 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 ALDOT'S current production versions of CADD software, Bentley's MicroStation V8i-SS2 and InRoads 2004 (Version 8.5i-SS2) or newer versions of these software packages. Deliverables to the CITY/COUNTY will include all MicroStation and InRoads 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/COUNTY) through the proposed bridge for each drainage structure.
- E. Prints will be furnished as necessary to the CITY/COUNTY for submittal to City, County 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 STATE 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/CITY/COUNTY to let a construction contract. The final design, detailed drawings and materials will be prepared using the latest LRFD Bridge Design Specifications and interims and will meet the approval of the STATE/CITY/COUNTY and FHWA. The CONSULTANT may make maximum utilization of ALDOT standard 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 ALDOT.
- 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 ALDOT.

- C. Preliminary detailed contract plans and estimates will be submitted to the CITY/COUNTY and then to the STATE for review before final tracings are complete.
- D. The contract plans will be completed in accordance with current design practices of ALDOT in the preparation of Federal Aid Plans.
- E. The CONSULTANT will prepare plans using drafting techniques that will facilitate the STATE's/CITY's/COUNTY's development of one-half (1/2) scale drawings.
- F. The CONSULTANT will compute, and furnish to the CITY/COUNTY, the gutter lines, edges of parabolic crown and finished grade for each bridge deck in relationship with the profile grade for all horizontal curve transitions utilizing standard superelevation of curves as outlined in the "State of Alabama Special & Standard Drawings" of the current year.
- G. 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.
- H. The CONSULTANT will, at the request of the STATE/CITY/COUNTY, correct any plan errors or omissions found in design, detailing or drafting before or after acceptance of final plans by the STATE.

- I. The CONSULTANT will submit final Mylars, final calculations and a compact disc (CD) containing all digital files in MicroStation format.

SECTION 4 – TRAFFIC SIGNAL DESIGN SERVICES

The CONSULTANT will provide traffic signal design services for isolated intersections and for traffic signal systems to the CITY/COUNTY on an as-needed basis. Plans for the construction of traffic signals will be prepared in separate plan assemblies or as inserts into roadway construction plan assemblies. The plans will be produced in a format approved by the CITY/COUNTY using its most recent standards of construction. Plan assemblies may include, but not be limited to the following: title sheet, traffic signal construction notes, quantities, signal layout plans, traffic control plans, standard details for traffic signal construction, a cost estimate for construction and specifications for traffic related devices.

Upon notice from the CITY/COUNTY of need for services, a pre-design meeting will be held. Within five (5) workdays after the pre-design meeting, the CONSULTANT will provide a cost estimate for the required design services for review and approval by the lead agency and the CITY/COUNTY. The CONSULTANT will commence work on a project only after receiving written authorization from the CITY/COUNTY.

The CITY/COUNTY will be responsible for providing the CONSULTANT all necessary existing field survey information within the project limits where traffic signal design services are to be provided including: pavement edge lines, overhead and underground utilities, drainage structures, rights-of-way limits, current traffic control, significant topographic features, pavement markings, standard details for traffic signal construction, traffic counts and signal warrants. However, the CITY/COUNTY may request the CONSULTANT to perform field surveys, traffic counts, warrant analysis and other design functions if the CITY/COUNTY cannot provide these services in a timely manner.

The CONSULTANT, at each review stage, and at the completion of each 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 ALDOT'S current production versions of CADD software, Bentley's MicroStation V8i-SS2 and InRoads 2004 (Version 8.5i-SS2) or latest versions of the software. The Inroads files will include the following: Alignments (alg files), Feature based Digital Terrain Models (dtm files), Roadway Templates (tml files), Roadway Library (rwl files), and Preferences (Civil.ini and Wysiwyg.ini).

SECTION 5 – FIBER OPTIC AND ITS SERVICES

- A. The CONSULTANT shall be available on an as-needed basis to the CITY/COUNTY 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.
- B. The CONSULTANT shall be available to assist the CITY/COUNTY in the design, review, construction process and system management and/or maintenance. This includes specifications, project meetings, bid analysis, construction testing/inspections including final inspections and maintaining fiber management databases.
- C. The CONSULTANT shall study the existing ATMS System and be capable of making additions and/or extensions without appreciable changes to the existing ALDOT ITS software.
- D. The CONSULTANT shall provide training to CITY/COUNTY 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. The CONSULTANT shall provide assistance in the evaluation and testing of new products, including surveillance, detection, communications, networking and information display devices.
- F. The CITY/COUNTY will provide the CONSULTANT with equipment-specific training as needed.
- G. The CONSULTANT will be responsible for the maintenance of ALDOT'S fiber optic network management database for any project that the consultant is in responsible charge.
- H. The CONSULTANT will provide personnel to operate and maintain the Traffic Management Center (TMC) and the entire fiber network including field devices and equipment located in various municipal and county offices and will provide personnel to train CITY/COUNTY personnel in the operation and maintenance of the TMC and related field devices.

SECTION 6 – ELECTRICAL ENGINEERING SERVICES

- 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, at each review stage, 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 ALDOT'S current production versions of CADD software, Bentley's MicroStation V8i-SS2 and InRoads 2004 (Version 8.5i-SS2) or newer versions of these software packages. Deliverables to the CITY/COUNTY will include all MicroStation and InRoads files.

- C. Upon notice from the CITY/COUNTY 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 lead agency and the CITY/COUNTY. The CONSULTANT will proceed with the work on a project only after receiving written authorization from the CITY/COUNTY.
- D. All lighting level calculations will be made using AGi32 version 2.04 or later and /or other ALDOT approved programs. The CONSULTANT shall perform illuminance calculations. The CONSULTANT shall discuss the results with the lead agency and the CITY/COUNTY before proceeding with the design.
- E. The CONSULTANT will write specifications for all special hardware and installation techniques not covered in ALDOT'S existing Section 750 – Roadway Lighting.
- F. Final plans will be furnished on Mylar with a CD containing all CADD files in MicroStation format, all electronic files of lighting analyses and a final report of all design calculations. All calculations will be turned over in a systematic manner.

EVALUATION

Firms interested in performing the work will be considered on the basis of information provided by submittal of the following in written form (limited to four pages including "Attachment A"):

1. Statement of registration of the firm and names and registration numbers of individuals involved in this project (when performing professional services).
2. Statement as to professional standing including any pending controversies outstanding. If none exists, such a statement should be made.
3. Statement of experience in the fields that the proposed services are requested and work of similar nature which the proposed staff for requested services was in responsible charge.
Proposed staff names and experience are to be provided.
4. Statement of availability and adequacy, in both number and quality of remaining staff, to perform all other functions needed in the proposed services.
5. List of qualified personnel in other disciplines required for the proposed services, both in-house and those to be acquired from outside sources.
6. Statement of your overhead; administrative cost, expressed as a percentage of your Direct Labor for the last fiscal year.
7. Statement of labor additive; fringe benefits, expressed as a percentage of your Direct Labor for the last fiscal year. If your labor additive is included in the overhead calculation, such a statement should be made.
8. Statement as to whether or not the firm is operating on a sound financial basis.
9. Statement of where work will actually be accomplished is to be described.

PLEASE NOTE: Presentations will NOT be conducted in conjunction with this announcement.

TO EXPRESS INTEREST

Click on button below to submit your statement of interest to us as an attachment via e-mail including the LAST PAGE ("**Attachment A**") of this announcement. Please remember that your statement must be limited to four pages including "Attachment A" and **must** be identified as **Transportation Support Services for Cities and/or Counties – Statewide**. If you are unable to e-mail your statement of interest to us, you may fax it to us at (334)353-6513. After submittal, if you have not received confirmation of receipt from the Department by the end of the next business day, please contact us at (334) 242-6868.

Submit Statement of Interest

“It is the policy of the Alabama Department of Transportation that Disadvantage Business Enterprises as defined in 49 CFR Part 26 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds.

Firms selected for work by the Alabama Department of Transportation agree to ensure that Disadvantage Business Enterprises as defined in 49 CFR Part 26 have the maximum opportunity to participate in the performance of work associated with this project. We expect that all necessary and reasonable steps be taken to ensure that Disadvantage Business Enterprises have the maximum opportunity to perform contract work.”

Transportation Support Services for Cities & Counties

NOTE: THIS FORM MUST BE INCLUDED WITH YOUR STATEMENT OF INTEREST SUBMITTAL, IF NOT INCLUDED YOUR SUBMITTAL WILL NOT BE CONSIDERED.

The following types of work will be performed under the Transportation Support Services for Cities & Counties.

By checking the boxes below, you are affirming your firm meets the requirements set forth in the State of Alabama Board of Licensure for Professional Engineers and Professional Land Surveyors' regulations in the Administrative Code and Rules of Professional Conduct.

☐ Roadway Plans

☐ Bridge Preliminary Plans and Bridge Final Plans

☐ Fiber Optics & Intelligent Transportation System (ITS)

☐ Electrical Services

☐ Traffic Signal Design Services

☐ Environmental Services

FIRM NAME

DATE

FIRM DESIGNEE SIGNATURE