

NOTICE

VARIOUS ENGINEERING AND RELATED SERVICES

The **South Dakota Department of Transportation (SDDOT)** is soliciting statements of interest and qualifications from consulting engineering firms for both State and Local Government projects. The purpose is to select a list of consultants, in each category of work, for which the Department will enter into a Pre-Qualified Consultant Retainage Agreement for the years of 2011 & 2012. The Department will determine the number of firms selected in each category of work based on the anticipated workload and the qualifications of the firms submitting Standard Form 925. The categories of services include the following:

STATE CATEGORIES:

Roadway Design
Bridge Design
Bridge Hydraulics/Hydrology
Bridge Protective Coating Design
Bridge Evaluation/Testing
Land Surveying
Landscape Architecture
Construction Administration/Inspection/Testing
Photogrammetry
Subsurface Utilities Exploration
Transportation Planning
Building Architecture

LOCAL GOVERNMENT CATEGORIES:

Roadway Design
Bridge Design
Bridge Hydraulics / Hydrology
Land Surveying
Landscape Architecture
Historic Preservation
Bridge Inspections
Airport Planning and Design
Geotechnical Materials Testing

If interested, the consultant must submit **3 copies** of current Standard Form 925 for **each** category of service for which they are qualified. These forms may be found at <http://www.sddot.com/fpa/lga/consultant.asp> under Form 925. The State also requires that all consultants maintain the following insurance written by a carrier admitted in the State of South Dakota.

1. General Liability
2. Automobile
3. Workers Compensation
4. Professional Liability (Errors and Omissions)

The SDDOT reserves the right to solicit proposals from only those consultants that demonstrate required qualifications and experience. Each firm chosen will be furnished information upon which to base proposals. The SDDOT will afford equal opportunity to all those who submit statements of interest and will not discriminate in its selection of consultants on the grounds of race, sex, color, physical handicap or national origin.

Please use the matrix provided above to identify the specific areas of expertise and interest. Each consultant may apply in one or as many categories as they desire.

Statements of interest should be directed to **Megan Wynja, Local Transportation Programs, SDDOT, 700 East Broadway Avenue, Pierre, SD 57501-2586**, postmarked no later than **June 4, 2010**. Phone (605) 773-5109.

ENGINEERING QUALIFICATIONS

PART I - CATEGORY-SPECIFIC QUALIFICATIONS

A. CATEGORY INFORMATION

1. CATEGORY *(State or Local)*:
 2. PUBLIC NOTICE DATE:
 3. AGREEMENT YEAR: **2011 - 2012**
-

B. CORPORATE OFFICE

4. NAME OF FIRM:
 5. ADDRESS *(street, state & zip code)*:
 6. TELEPHONE NUMBER:
 7. FAX NUMBER:
 8. WEB SITE ADDRESS:
 9. DUNS NUMBER:
 10. OWNERSHIP – TYPE:
 11. OWNERSHIP – SMALL BUSINESS STATUS:
-

C. PROPOSED TEAM

(Complete this section for all key offices.)

- 12a. FIRM NAME *(Identify main or branch office)*:
 - 13a. POINT OF CONTACT *(Name and Title)*:
 - 14a. ADDRESS:
 - 15a. E-MAIL ADDRESS:
 - 16a. ROLE IN THIS CATEGORY:
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- 12b. FIRM NAME *(Identify main or branch office)*:
 - 13b. POINT OF CONTACT *(Name and Title)*:
 - 14b. ADDRESS:
 - 15b. E-MAIL ADDRESS:
 - 16b. ROLE IN THIS CATEGORY:
-

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

(Please attach)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CATEGORY

(Complete one Section E for each key person.)

17a. NAME AND TITLE:

18a. ROLE IN THIS CATEGORY:

19a. YEARS EXPERIENCE - TOTAL:

20a. YEARS EXPERIENCE - WITH CURRENT FIRM:

21a. FIRM NAME AND LOCATION *(City and State)*:

22a. EDUCATION *(Degree and Specialization)*:

23a. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*:

24a. OTHER EXPERIENCE AND PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*:

17b. NAME AND TITLE:

18b. ROLE IN THIS CATEGORY:

19b. YEARS EXPERIENCE - TOTAL:

20b. YEARS EXPERIENCE - WITH CURRENT FIRM:

21b. FIRM NAME AND LOCATION *(City and State)*:

22b. EDUCATION *(Degree and Specialization)*:

23b. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*:

24b. OTHER EXPERIENCE AND PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*:

17c. NAME AND TITLE:

18c. ROLE IN THIS CATEGORY:

19c. YEARS EXPERIENCE - TOTAL:

20c. YEARS EXPERIENCE - WITH CURRENT FIRM:

21c. FIRM NAME AND LOCATION *(City and State)*:

22c. EDUCATION *(Degree and Specialization)*:

23c. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*:

24c. OTHER EXPERIENCE AND PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*:

25. Personnel by Discipline (List each person once, by primary function)

<input type="checkbox"/> Administrative	<input type="checkbox"/> Electrical Engineers	<input type="checkbox"/> Oceanographers	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Architects	<input type="checkbox"/> Estimators	<input type="checkbox"/> Planners: Urban/Regional	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Chemical Engineers	<input type="checkbox"/> Geologists	<input type="checkbox"/> Sanitary Engineers	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Civil Engineers	<input type="checkbox"/> Hydrologists	<input type="checkbox"/> Soils Engineers	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Construction Inspectors	<input type="checkbox"/> Interior Designers	<input type="checkbox"/> Specification Writers	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Draftsmen	<input type="checkbox"/> Landscape Architects	<input type="checkbox"/> Structural Engineers	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Ecologists	<input type="checkbox"/> Mechanical Engineers	<input type="checkbox"/> Surveyors	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Economists	<input type="checkbox"/> Mining Engineers	<input type="checkbox"/> Transportation Engineers	<input type="checkbox"/>	<input type="checkbox"/> Total Personnel

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CATEGORY

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

26a. EXAMPLE PROJECT KEY NUMBER:

27a. TITLE AND LOCATION *(City and State)*:

28a. YEAR COMPLETED - PROFESSIONAL SERVICES:

29a. YEAR COMPLETED - CONSTRUCTION *(If applicable)*:

30a. PROJECT OWNER'S INFORMATION - PROJECT OWNER:

31a. PROJECT OWNER'S INFORMATION - POINT OF CONTACT NAME:

32a. PROJECT OWNER'S INFORMATION - POINT OF CONTACT TELEPHONE NUMBER:

33a. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT:
(Include scope, size, cost, and for each team member involved in this project list their name & role):

26b. EXAMPLE PROJECT KEY NUMBER:

27b. TITLE AND LOCATION *(City and State)*:

28b. YEAR COMPLETED - PROFESSIONAL SERVICES:

29b. YEAR COMPLETED - CONSTRUCTION *(If applicable)*:

30b. PROJECT OWNER'S INFORMATION - PROJECT OWNER:

31b. PROJECT OWNER'S INFORMATION - POINT OF CONTACT NAME:

32b. PROJECT OWNER'S INFORMATION - POINT OF CONTACT TELEPHONE NUMBER:

33b. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT:
(Include scope, size, cost, and for each team member involved in this project list their name & role):

26c. EXAMPLE PROJECT KEY NUMBER:

27c. TITLE AND LOCATION *(City and State)*:

28c. YEAR COMPLETED - PROFESSIONAL SERVICES:

29c. YEAR COMPLETED - CONSTRUCTION *(If applicable)*:

30c. PROJECT OWNER'S INFORMATION - PROJECT OWNER:

31c. PROJECT OWNER'S INFORMATION - POINT OF CONTACT NAME:

32c. PROJECT OWNER'S INFORMATION - POINT OF CONTACT TELEPHONE NUMBER:

33c. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT:
(Include scope, size, cost, and for each team member involved in this project list their name & role):

G. ADDITIONAL INFORMATION

34. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY: *(Attach additional sheets as needed)*

H. AUTHORIZED REPRESENTATIVE: The foregoing is a statement of fact.

35. SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____

36. DATE SIGNED: _____

37. NAME AND TITLE OF SIGNER: _____

List of Experience Categories (Profile Codes)

Code	Description	Code	Description
A01	Acoustics, Noise Abatement	D01	Dams (<i>Concrete; Arch</i>)
A02	Aerial Photography; Airborne Data and Imagery Collection and Analysis	D02	Dams (<i>Earth; Rock</i>); Dikes; Levees
A03	Agricultural Development; Grain Storage; Farm Mechanization	D03	Desalinization (<i>Process and Facilities</i>)
A04	Air Pollution Control	D04	Design-Build - Preparation of Requests for Proposals
A05	Airports; Nav aids; Airport Lighting; Aircraft Fueling	D05	Digital Elevation and Terrain Model Development
A06	Airports; Terminals and Hangars; Freight Handling	D06	Digital Orthophotography
A07	Arctic Facilities	D07	Dining Halls; Clubs; Restaurants
A08	Animal Facilities	D08	Dredging Studies and Design
A09	Anti-Terrorism/Force Protection	E01	Ecological and Archeological Investigations
A10	Asbestos Abatement	E02	Educational Facilities; Classrooms
A11	Auditoriums and Theaters	E03	Electrical Studies and Design
A12	Automation; Controls; Instrumentation	E04	Electronics
B01	Barracks; Dormitories	E05	Elevators; Escalators; People-Movers
B02	Bridges	E06	Embassies and Chanceries
C01	Cartography	E07	Energy Conservation; New Energy Sources
C02	Cemeteries (<i>Planning and Relocation</i>)	E08	Engineering Economics
C03	Charting; Nautical and Aeronautical	E09	Environmental Impact Studies, Assessments or Statements
C04	Chemical Processing and Storage	E10	Environmental and natural Resource Mapping
C05	Child Care/Development Facilities	E11	Environmental Planning
C06	Churches; Chapels	E12	Environmental Remediation
C07	Coastal Engineering	E13	Environmental Testing and Analysis
C08	Codes; Standards; Ordinances	F01	Fallout Shelters; Blast-Resistant Design
C09	Cold Storage; Refrigeration and Fast Freeze	F02	Field Houses; Gyms; Stadiums
C10	Commercial Building (<i>Low Rise</i>); Shopping Centers	F03	Fire Protection
C11	Community Facilities	F04	Fisheries; Fish Ladders
C12	Communications Systems; TV; Microwave	F05	Forensic Engineering
C13	Computer Facilities; Computer Service	F06	Forestry and Forest Products
C14	Conservation and Resource Management	G01	Garages; Vehicles Maintenance Facilities; Parking Decks
C15	Construction Management	G02	Gas Systems (<i>Propane; Natural, Etc.</i>)
C16	Construction Surveying	G03	Geodetic Surveying: Ground and Airborne
C17	Corrosion Control; Cathodic Protection Electrolysis	G04	Geographic Information System Services: Development, Analysis, and Data Collection
C18	Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting		
C19	Cryogenic Facilities		

Code	Description	Code	Description
G05	Geospatial Data Conversion: Scanning, Digitizing, Compilation, Attributing, Scribing, Drafting	M08	Modular systems Design; Pre-Fabricated Structures or Components
G06	Graphic Design	N01	Naval Architecture; Off-Shore Platforms
H01	Harbors; Jetties; Piers, Ship Terminal Facilities	N02	Navigation Structures; Locks
H02	Hazardous Materials Handling and Storage	N03	Nuclear Facilities; Nuclear Shielding
H03	Hazardous, Toxic, Radioactive Waste Remediation	O01	Office Buildings; Industrial Parks
H04	Heating; Ventilating; Air Conditioning	O02	Oceanographic Engineering
H05	Health Systems Planning	O03	Ordnance; Munitions; Special Weapons
H06	High-rise; Air-Rights-Type Buildings	P01	Petroleum Exploration; Refining
H07	Highways; Streets; Airfield Paving; Parking Lots	P02	Petroleum and Fuel (<i>Storage and Distribution</i>)
H08	Historical Preservation	P03	Photogrammetry
H09	Hospital and Medical Facilities	P04	Pipelines (<i>Cross-Country - Liquid and Gas</i>)
H10	Hotels; Motels	P05	Planning (<i>Community, Regional, Areawide and State</i>)
H11	Housing (<i>Residential, Multi-Family; Apartments; Condominiums</i>)	P06	Planning (<i>Site, Installation, and Project</i>)
H12	Hydraulics and Pneumatics	P07	Plumbing and Piping Design
H13	Hydrographic Surveying	P08	Prisons and Correctional Facilities
I01	Industrial Buildings; Manufacturing Plants	P09	Product, Machine Equipment Design
I02	Industrial Processes; Quality Control	P10	Pneumatic Structures, Air-Support Buildings
I03	Industrial Waste Treatment	P11	Postal Facilities
I04	Intelligent Transportation Systems	P12	Power Generation, Transmission, Distribution
I05	Interior Design; Space Planning	P13	Public Safety Facilities
I06	Irrigation; Drainage	R01	Radar; Sonar; Radio and Radar Telescopes
J01	Judicial and Courtroom Facilities	R02	Radio Frequency Systems and Shieldings
L01	Laboratories; Medical Research Facilities	R03	Railroad; Rapid Transit
L02	Land Surveying	R04	Recreation Facilities (<i>Parks, Marinas, Etc.</i>)
L03	Landscape Architecture	R05	Refrigeration Plants/Systems
L04	Libraries; Museums; Galleries	R06	Rehabilitation (<i>Buildings; Structures; Facilities</i>)
L05	Lighting (<i>Interior; Display; Theater, Etc.</i>)	R07	Remote Sensing
L06	Lighting (<i>Exteriors; Streets; Memorials; Athletic Fields, Etc.</i>)	R08	Research Facilities
M01	Mapping Location/Addressing Systems	R09	Resources Recovery; Recycling
M02	Materials Handling Systems; Conveyors; Sorters	R10	Risk Analysis
M05	Military Design Standards	R11	Rivers; Canals; Waterways; Flood
M06	Mining and Mineralogy	S01	Safety Engineering; Accident Studies; OSHA Studies
M07	Missile Facilities (<i>Silos; Fuels; Transport</i>)	S02	Security Systems; Intruder and Smoke Detection
		S03	Seismic Designs and Studies

Code	Description
S04	Sewage Collection, Treatment, and Disposal
S05	Soils and Geologic Studies; Foundations
S06	Solar Energy Utilization
S07	Solid Wastes; Incineration; Landfill
S08	Special Environments; Clean Rooms, Etc.
S09	Structural Design; Special Structures
S10	Surveying; Platting; Mapping; Flood Plain Studies
S11	Sustainable Design
S12	Swimming Pools
S13	Storm Water Handling and Facilities
T01	Telephone Systems (<i>Rural; Mobile; Intercom, Etc.</i>)
T02	Testing and Inspection Services
T03	Traffic and Transportation Engineering
T04	Topographic Surveying and Mapping
T05	Towers (<i>Self-Supporting and Guyed Systems</i>)
T06	Tunnels and Subways
U01	Unexploded Ordnance Remediation
U02	Urban renewals; Community Development
U03	Utilities (<i>Gas and Steam</i>)
V01	Value Analysis; Life-Cycle Costing
W01	Warehouse and Depots
W02	Water Resources; Hydrology; Ground Water
W03	Water Supply; Treatment and Distribution
W04	Wind Tunnels; Research/Testing Facilities Design
Z01	Zoning; Land Use Studies

Categories Defined

ROADWAY DESIGN: intended to include (but not be limited to) design/analysis, specification development, plans preparation, construction support (cco design & plans, etc.) related to roadway design on highway projects.

BRIDGE DESIGN: intended to include (but not be limited to) structure TS&L studies, design/analysis, specification development, plans preparation, construction support (shop plan reviews, field inspection, cco design & plans, etc.) related to structure design on highway projects.

BRIDGE HYDRAULICS / HYDROLOGY: intended to include (but not be limited to) drainage & flood studies, hydraulic design, bridge scour determination, erosion protection recommendations, specification development, plans preparation, construction support (field inspection, reviews, cco design, etc.) related to drainage features on highway projects.

BRIDGE PROTECTIVE COATING DESIGN: intended to include (but not be limited to) design, specification development, plans preparation, construction support (field inspection, reviews, cco design, etc.) related to bridge protective coatings.

LAND SURVEYING: intended to include (but not be limited to) research and establishment of property boundaries, and the proper filing of survey information in accordance with SDCL.

LANDSCAPE ARCHITECTURE: intended to include (but not be limited to) design/analysis, plans preparation, construction support (cco design & plans, etc.) related to landscape development on highway projects.

CONSTRUCTION ADMINISTRATION/INSPECTION/TESTING: intended to include (but not be limited to) project administration (pay estimates, cco preparation, project documentation etc.), construction inspection, and testing

PHOTOGRAMMETRY: intended to include (but not be limited to) land surveying and aerial photography related to corridor preservation and design on highway projects.

SUBSURFACE UTILITIES EXPLORATION: intended to include (but not be limited to) determination of exact location of existing underground utilities to be used for planning and design purposes.

BUILDING ARCHITECTURE: intended to include (but not be limited to) design/analysis, plans preparation, construction support (shop plan reviews, building inspection, cco design & plans, etc.) related to buildings (structure, heating/cooling, electric, water, sewage, etc.) for rest area, scale site, etc. projects.

HISTORIC PRESERVATION: intended to include (but not be limited to) preservation of historic buildings and facades, restoration and reuse of historic structures and buildings, and interpretive displays at historic sites. All work must comply with the State Historic Preservation Office requirements.

BRIDGE INSPECTION: intended to include (but not be limited to) perform in-field bridge safety inspections and load rating analysis, fill out PONTIS inventory coding sheets, and submit inspection reports and pictures detailing the condition for each structure.

TRANSPORTATION PLANNING: intended to include (but not be limited to) sidewalk pedestrian movements, airport master plan, highway corridors to accommodate future traffic, land use, environmental impacts and access rights. Past studies can be found at http://www.sddot.com/PE/projdev/planning_ss.asp . May also include preparation of environmental documents including Environmental Impact Statements, Environmental Assessments, Categorical Exclusions, 4(f) assessments, wetland findings and storm water permits. These documents assess the impacts of SD Department of Transportation (DOT) projects on adjacent properties. Impacts include air, water, noise, economics, and historical and archaeological items. Parks, wetlands, game production areas or other public use facilities located along a project may require 4(f) assessments, 6(f) assessments or wetland findings.

AIRPORT PLANNING AND DESIGN: intended to include airport design, ALP development, construction engineering, PCI inspections, and approach obstruction surveys.

GEOTECHNICAL MATERIAL TESTING: intended to include foundation support of structures and slabs, including bearing pressures, bearing elevations, foundation design recommendations and anticipated settlement, anticipation of, and management of, ground water for design of structures and pavements, lateral earth pressures for design of walls below grade, including backfill compaction and sub drainage and their requirements, soil material and compaction requirements for site fill, construction backfill, and for the support of structures and pavements, subgrade modules for design of pavements and slabs, temporary excavation and temporary protection, such as excavation sheeting, underpinning and temporary dewatering of slopes, stability of slopes, frost penetration depth, effect and design mitigation, analysis of the effect of weather or construction equipment or both on soil during construction, analysis of soils to ascertain presence of potentially expansive, deleterious, chemically active or corrosive materials or conditions, or presence of gas, evaluation of depth of material requiring rock excavation and methods of removal and construction materials testing including, but not limited to: concrete compressive and flexural strength, asphalt compaction and laboratory quality testing, soil and aggregate gradations, asphalt and concrete mix designs, proctors, soil compaction testing.

RETAINER CONTRACT EVALUATION FACTORS FOR SELECTING AN ENGINEERING FIRM

	Factors to be considered in determining the most appropriate & qualified engineering firm for a particular category are as follows:	Point Values	
A.	Experience of the engineering firm in performing specific services related to the project and their performance on comparable jobs.	(0-25)	
B.	Professional reputation of the engineering firm is a prime consideration; the reputation character of a firm can be determined by inquires with previous clients & other references.	(0-10)	
C.	Quality of workmanship & performance of the engineer firm; this may be determined by responsiveness to project paperwork, submittal of final documents & other references.	(0-10)	
D.	Qualifications & experience of principals of the engineering firm & of the project director & key staff engineers nominated for the projects	(0-25)	
E.	Depending on the nature of the project, the location of the engineering firm with respect to the project site may be important.	(0-10)	
F.	Familiarity of the engineering firm with applicable federal, state & local regulations, criteria standards & procedures with respect to construction engineering inspection/surveying services	(0-15)	
G.	Other	(0-5)	
	TOTAL	██████	

NOTE: Consultant firms are ranked based upon the submittal of Form 925 for the specified category.