



OKLAHOMA DEPARTMENT OF TRANSPORTATION
Project Management Division
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DATE: **March 10, 2006**

TO: Consulting Engineering Companies

FROM: Randy Jones, Project Management Division

SUBJECT: Solicitation for Specialized Bridge Related Services

At this time, the Department is soliciting the services of consulting engineering companies to provide fracture critical bridge inspections and overload permit studies/route analysis. These services require qualifications, expertise, experience and/or equipment that are of a highly specialized nature. Please find attached a comprehensive list of projects and descriptions for which the Department is seeking the noted services.

Your response **for the Contracts that you are interested in being considered for** will include a total of one (1) response packet (one (1) unbound original and five (5) copies) per contract as described as follows:

RESPONSE PACKET 1

One (1) combined packet for EC No. TBD including the following:

- A Letter of Interest referencing the Engineering Contract Number (EC No. TBD)
- A Table of Organization depicting the proposed project team
- Any additional information you believe appropriate for the Department's use in determining your capabilities and qualifications to perform the type of work encompassed by that particular contract.
- A statement of your qualifications (CAP 255 Form preferred)

RESPONSE PACKET 2

One (1) combined packet for EC No. 1065 including the following:

- A Letter of Interest referencing the Engineering Contract Number (EC No. 1065)
- A Table of Organization depicting the proposed project team
- Any additional information you believe appropriate for the Department's use in determining your capabilities and qualifications to perform the type of work encompassed by that particular contract.
- A statement of your qualifications (CAP 255 Form preferred)

Please remember that this is a SOLICITATION OF INTEREST and not a Request for Proposal. As such, you are only requested to provide information related to your qualifications to perform the work described. Any additional information you choose to provide related to proposed solutions for the solicited projects or any other prepared Contract/Project specific media is NOT required and is unnecessary for the Department's processes. Proposals will be requested upon entering the interview phase of the Consultant Selection Process.

The deadline for the submittal of your responses will be 4:30 p.m. March 24, 2006. The Department anticipates the selection process to be complete and the contracts negotiated and approved by the Transportation Commission as soon as possible and not later than June 2006. As these contracts are anticipated to be financed with Federal Fiscal Year 2006 funding, the Notice to Proceed is expected no later than July 2006.

As always, your assistance, cooperation and patience are greatly appreciated. Please do not hesitate to make us aware of any questions, comments or concerns that you may have or to offer suggestions for process improvement.

RESPONSE PACKET 1

Contract No. (EC No. TBD) – Multiple Contracts may be possible

Services Description: Fractural Critical Bridge Inspection

ODOT Division	Bridge	Ground and/or Snooper Inspection of approximately 54 (see attached list – subject to change) fracture critical bridges on the State Highway System. The selected consultant(s) will be responsible for providing all necessary equipment to complete the bridge inspections. This may include, but is not limited to a snooper or polecat truck along with a two or three person inspection team. Oversight of the inspection team must be performed by a Professional Engineer (P.E.) knowledgeable about bridge structures. Preference will be given to firms with a P.E. who will act as the team leader, but as an alternative, the inspection team may include a qualified non-P.E. team leader as prescribed by the NBIS. Additionally, the team leader must have completed NHI Course No. 13055 - Safety Inspection of In-Service Bridges and NHI Course No. 13078 - Fracture Critical Inspection Techniques for Steel Bridges.
County	Statewide	
State Job Piece No.	TBD	
Federal Aid Proj. No.	TBD	

RESPONSE PACKET 2

Contract No. (EC No. 1065)

Services Description: Overload Permit Studies / Route Analysis

ODOT Division	Bridge	The successful Consulting Firm will be required to perform analysis on proposed routes for overweight loads on the state system of bridges.
County	Statewide	Permit studies are required for vehicles exceeding the legal loads with axle weights or spacings which are not consistent with the OL-1 standard overweight permit trucks. These permit loads must be non-divisible loads. The trucking company will provide all required information on axle spacing, axle weights, gross weight, vehicle height, width and length. The trucking company will give a point of origin for the permit load, the proposed route, and the final destination. The Consultant will be required to coordinate with the Department of Public Safety to insure that the proposed route is satisfactory for vertical clearances and construction zones. Using rating factors and software provided by the Department and other software, the Consulting Engineer will be required to check the bridges to determine if it is safe for the truck to use the requested route. The Consulting Engineer may need to purchase some rating software. Approximately 1,000 permit studies per year are anticipated. Studies are expected to be performed on the day of the request and a maximum of three (3) days may be allowed in certain instances. Records will be maintained in a database and periodically provided to the Department. These studies must be performed under the supervision of a Professional Engineer knowledgeable of structural analysis and bridge inspection. More than one qualified engineer must be available for the team due to the time critical nature of the permit study preparation. The Team Leader must be a P.E.. The utilization of an Engineering Intern to meet this requirement is acceptable.
State Job Piece No.	TBD	
Federal Aid Proj. No.	TBD	

FRACTURE CRITICAL BRIDGE INSPECTION CONTRACT

County	Highway	Structure No.	NBIS	Access	**No. Pr Insp Bm	Two Girder	Tower	Pin	Rigid Frame	Fre x Pr Bm	Fre x Two-Gr	Fre x Tower	Fre x Pin	Fre x Rigid Fr
***Bryan	US-70	0706-0000-X	10965	snooper	4	0	3,872	0	0	0	15,488	0	0	0
	"	"	"	snooper	2		820			0	1,640	0	0	0
Bryan	US-70	0710-0010-X	09537	snooper	1	0		1	4	0	0	1	4	0
Bryan	SH-199	0718-0099-X	12485	snooper	4	0		0	22	0	0	0	88	0
Canadian	SH-3	0922-0060-EX	17941	snooper	1	1				1	0	0	0	0
Canadian	SH-3	0922-0060-WX	17942	snooper	1	1				1	0	0	0	0
Carter	SH-142	1035-0376-X	14191	snooper	1	2				2	0	0	0	0
Choctaw	US-271	1206-0238-EX	17949	snooper	1	2		0	0	2	0	0	0	0
Choctaw	US-271	1206-0238-WX	17950	snooper	1	2		0	0	2	0	0	0	0
Comanch	I-44	1649-0844-EX	16191	snooper	4	1				4	0	0	0	0
Creek	SH-66	1906-0679-NX	19484	ground	1	5				5	0	0	0	0
Creek	US-75A	1908-0180	06587	ground	1	2				2	0	0	0	0
Garfield	US-81	2412-1308-EX	20004	snooper	1	1				1	0	0	0	0
Grady	US-81	2612-1953-X	19267	snooper	1	1				1	0	0	0	0
Kay	SH-11	3622-0063-X	17943	snooper	1	1				1	0	0	0	0
Kay	I-35	3625-2805-X	14157	snooper	2	0	180			0	360	0	0	0
Kay	US-60	3630-0878-NX	17559	ground	1	1				1	0	0	0	0
Kingfisher	US-81	3704-0543-EX	16159	snooper	1	1				1	0	0	0	0
Kingfisher	US-81	3704-0543-WX	16167	snooper	1	1				1	0	0	0	0
Love	I-35	4317-0808-EX	15581	snooper	1	2				2	0	0	0	0
Love	I-35	4317-0808-WX	15580	snooper	1	2				2	0	0	0	0
*Marshall	US-377	4826-0001-X	15213	snooper	2				96	0	0	0	192	0
Murray	I-35	5032-0839-X	17571	snooper	4	0	320			0	1,280	0	0	0
Muskogee	US-64	5112-0027-EX	17346	snooper	1	1		0	0	1	0	0	0	0
Muskogee	US-64	5112-0027-WX	17347	snooper	1	1		0	0	1	0	0	0	0
Oklahoma	US-62	5504-1150-NX	18791	snooper	1	3				3	0	0	0	0
Oklahoma	US-62	5504-1150-SX	05046	snooper	1	3				3	0	0	0	0
Oklahoma	I-44	5505-0461-WX	19097	ground	2	0			1	0	0	0	0	2
Oklahoma	I-44	5507-0007-EX	19096	ground	2	0			1	0	0	0	0	2

FRACTURE CRITICAL BRIDGE INSPECTION CONTRACT

County	Highway	Structure No.	NBIS	Access	**No. Pr Insp Bm	Two Girder	Tower	Pin	Rigid Frame	Fre x Pr Bm	Fre x Two-Gr	Fre x Tower	Fre x Pin	Fre x Rigid Fr
Oklahoma	I-44	5507-0347-NX	18610	ground	1	1			10	1	0	0	10	0
Oklahoma	I-44	5507-0640-SRX	19775	ground	1	1			6	1	0	0	6	0
Oklahoma	I-44	5507-0640-SX	19786	ground	1	1			12	1	0	0	12	0
Oklahoma	I-44	5507-1059-SX	14177	ground	4	1				4	0	0	0	0
Oklahoma	I-40	5569-0530-SX	17045	ground	1	1			10	1	0	0	10	0
Oklahoma	I-40	5569-0538-NX	17048	ground	1	2			20	2	0	0	20	0
Oklahoma	I-40	5569-0805-X	16197	ground	4	119				476	0	0	0	0
	"	"	"	ground	2	92			0	184	0	0	0	0
	"	"	"	ground	1	75			1098	75	0	0	1098	0
Pittsburg	US-69	6103-0023-NX	13922	ground	2	1				2	0	0	0	0
Pittsburg	US-270	6108-0067-NX	16604	snooper	1	1				1	0	0	0	0
Pittsburg	US-270	6108-0067-SX	16622	snooper	1	1				1	0	0	0	0
Pittsburg	US-270	6108-0132-NX	16633	snooper	1	1				1	0	0	0	0
Pittsburg	US-270	6108-0132-SX	16629	snooper	1	1				1	0	0	0	0
Pushmata	US-271	6404-2361-X	04071	snooper	1					0	0	6	0	0
Seminole	SH-9A	6744-0850-X	10745	ground	4	0			30	0	0	0	120	0
Tulsa	I-244	7209-0358-X	15588	ground	1	1				1	0	0	0	0
Tulsa	I-244	7209-0512-X	18364	snooper	1	0	1,060			0	1,060	0	0	0
Tulsa	I-244	7209-0520-X	18360	snooper	1	0	570			0	570	0	0	0
Tulsa	I-244	7209-0563-WX	18136	ground	1	1				1	0	0	0	0
Tulsa	I-244	7209-0662-SRX	18356	ground	1	1				1	0	0	0	0
Tulsa	I-244	7209-0662-SX	18353	ground	1	1				1	0	0	0	0
Tulsa	I-244	7209-0664-NX	18146	ground	1	5			12	5	0	0	12	0
Tulsa	I-244	7209-0676-SX	18145	ground	1	1				1	0	0	0	0
Tulsa	I-444	7292-0058-RX	19636	snooper	1	0	660			0	660	0	0	0
Tulsa	I-444	7294-0013-X	18308	snooper	4	0	170			0	680	0	0	0
Tulsa	I-444	7294-0018-X	18358	snooper	4	0	520			0	2,080	0	0	0

FRACTURE CRITICAL BRIDGE INSPECTION CONTRACT

County	Highway Structure No.	NBIS	Access	**No. Pr Insp Bm	Two Girder	Tower	Pin	Rigid Frame	Fre x Pr Bm	Fre x Two-Gr	Fre x Tower	Fre x Pin	Fre x Rigid Fr		
Tulsa	SH-151	7297-0148-X	14519	snooper	1	0	890				0	890	0	0	0
Grand Summary					342	9,062	7	1,320	2	798	24,708	7	1,572	4	

54 Total Number of Bridges

*Suspended Spans, not fracture critical. Do ultrasonic inspection of pins once every four years.

**Note: Number inspections in a two-year inspection cycle.

***Inspect the 251' truss twice in the two-year cycle.