

IN THE COUNTY LEGISLATURE OF JACKSON COUNTY, MISSOURI

A RESOLUTION authorizing the County Executive to execute an Agreement for Engineering Services with Harrington & Cortelyou of Kansas City, MO, for the design of the Blue Mills Bridge Deck Reconstruction over the Little Blue River Project, No. 2471, at an actual cost to the County not to exceed \$81,306.00.

RESOLUTION #16679, July 28, 2008

INTRODUCED BY Bob Spence, County Legislator

WHEREAS, the Director of Public Works solicited proposals for engineering services in connection with the Blue Mills Bridge Deck Reconstruction over the Little Blue River Project, No. 2471; and,

WHEREAS, the Director received four proposals in response there to and recommends award of a contract to Harrington & Cortelyou, as its proposal was the highest ranked of those received; now therefore,


BE IT RESOLVED by the County Legislature of Jackson County, Missouri, that the County Executive be, and hereby is, authorized to execute the attached agreement with Harrington & Cortelyou for professional engineering services, at a cost to the County not to exceed \$81,306.00; and,

BE IT FURTHER RESOLVED that the Director of Finance and Purchasing is authorized to make all payments including final payment on the contract.

Effective Date: This Resolution shall be effective immediately upon its passage by a majority of the Legislature.

APPROVED AS TO FORM:


Chief Deputy County Counselor


County Counselor

Certificate of Passage

I hereby certify that the attached resolution, Resolution #16679 of July 28, 2008, was duly passed on August 4, 2008 by the Jackson County Legislature. The votes thereon were as follows:

Yeas 5

Nays 0

Abstaining 0

Absent 4

8.5.08
Date


Mary Jo Spino, Clerk of Legislature

There is a balance otherwise unencumbered to the credit of the appropriation to which the expenditure is chargeable and there is a cash balance otherwise unencumbered in the treasury to the credit of the fund from which payment is to be made each sufficient to provide for the obligation herein authorized.

ACCOUNT NUMBER: 004 1502 56030

ACCOUNT TITLE: Special Road & Bridge
Engineering
Architectural & Engineering Services

NOT TO EXCEED: \$81,306.00

July 22, 2008
Date


Director of Finance and Purchasing

AGREEMENT FOR PROFESSIONAL ENGINEERING DESIGN SERVICES

THIS AGREEMENT, made and entered into this 21 day of August, 2008 by and between the County of Jackson, Missouri hereinafter referred to as "County" and Harrington & Cortelyou, Inc., hereinafter referred to as "Engineer."

WITNESSETH:

WHEREAS, County requires design engineering services in connection with the following improvement: Blue Mills Road Bridge; and,

WHEREAS, County desires to enter into an Agreement with Engineer to perform Design services as aforementioned; and,

WHEREAS, Engineer represents that the firm is equipped, competent, and able to undertake such an assignment;

NOW, THEREFORE, in consideration of the mutual covenants and considerations herein contained, IT IS HEREBY AGREED by the parties hereto as follows:

ARTICLE I – SCOPE OF SERVICE TO BE PROVIDED BY THE ENGINEER:

Engineer, upon receipt of written notice from the County that this Agreement has been approved, will furnish the necessary engineering and related services as stipulated in the attached proposal from the Engineer in Exhibit A, dated June 3, 2008 page 1 through page 1 and Exhibit A Breakdown, dated June 3, 2008 page 1 through page 1.

ARTICLE II - ADDITIONAL SERVICES:

The County reserves the right to request additional work, based on changed or unforeseen conditions which require changes and work beyond the scope of this Agreement. In this event, an Addendum to this Agreement shall be executed prior to performing the additional changed work or incurring any additional cost therefore. Any change in compensation will be covered in the Addendum.

ARTICLE III – PROJECT ASSUMPTIONS

The County and the Engineer acknowledge that the scope of work described in ARTICLE I above was developed based on the following assumptions:

- A. The Engineer, for design standard reference, shall consider the latest editions and revision of the following publications:**
- a. AASHTO "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS."
 - b. Local Public Agency Manual as published by MoDOT.
 - c. AASHTO Roadside Design Guide.
 - d. Most recent edition of the City of Kansas City's Design Standards
 - e. Most recent edition of Design Standards for the Kansas City Chapter of the American Public Works Association.
- B. Review and approval of each Engineer's submittal, by the County, shall constitute acceptance of the design issues used to develop the proposed plan to that stage. In addition, approval of each submittal stage will constitute authorization to proceed with additional design based on approved issues. Changes requested by the County to approved issues will constitute additional services to be negotiated between all parties.**
- C. The County will acquire all necessary access permits from property owners for Engineer or their subconsultants to perform geotechnical, inspection, and land surveying services associated with this project.
- D. Provide all necessary title work, deeds, plats, etc. as required for the completion of the project and the preparation of the right-of-way and easement plans and descriptions.
- E. All submittal fees associated with this project, including but not limited to, government review fees, and environmental and archeological studies, will be paid for by the County.
- F. The following list is a partial list of services not included in this agreement:
- 1. Hydraulic Analysis
 - 2. Surveying Services
 - 3. Geotechnical Services

Services other than those stipulated in the scope of services listed in Article I or in conflict with the assumptions listed above shall constitute additional services not covered under this Agreement. The County shall retain the right to request additional services, based on changed or unforeseen conditions. In that event, a Supplement to this Agreement shall be executed prior to performing the additional change in work or incurring any additional cost thereof. Any change in compensation will be covered in the Supplement.

ARTICLE IV - SCOPE OF SERVICES TO BE PROVIDED BY THE COUNTY:

The County agrees to furnish information and have work done without cost to the Engineer as follows:

1. Make available to the Engineer existing records, maps, plans, and other data possessed by County when such are necessary, advisable or helpful to the Engineer in the completion of his work under this Agreement. The County shall furnish a copy of property ownership information from County tax records.
2. Provide Standard County/City forms and/or standard plans as required including contractual sections for bid document.
3. Pay publishing costs for advertisements of notices, public hearings, request for bids, and other similar items. Pay for all permits and licenses that may be required by local, state or federal authorities. Secure the necessary land, easements and right-of-way required for the project.
4. Designate a representative who will serve as their primary point of contact and who will be authorized to act for and on behalf of the County throughout completion of the services covered by this Agreement.
5. Examine all studies and drafts developed by the Engineer, obtain reviews by other agencies involved and render decisions thereon in a prompt manner so as not to delay the Engineer.

ARTICLE V - PERIOD OF SERVICE:

The Engineer will commence work within two (2) weeks after receiving Notice-to-Proceed from the County. The general phases of work will be completed in accordance with the attached Schedule, which was submitted by the Engineer, marked Exhibit B, unless terminated sooner.

Data Acquisition and Pre-Design Services: Data acquisition, Surveying and other Pre-Design Services are to be completed within 14 calendar days after receipt of Notice to Proceed.

- B. Preliminary Construction Plan Preparation: Preliminary Construction Plan Preparation to be completed within 30 calendar days after receipt of Notice to Proceed.
- C. Final Plans and Construction Documents: Final Plans and Construction Documents to be completed within 60 calendar days after review and approval by the County of the Preliminary Construction Plans.
- D. Bid Phase Services: Bid Phase Services will be conducted concurrently with a bid schedule as established by the County. This bid schedule is assumed to be no more than 21 calendar days.
- E. Construction Phase Services: The construction duration is assumed to be 6 months. Observation for construction activities required beyond this assumed duration or in excess of the average two visits per month will be considered additional services.

The above times are exclusive to review time by other agencies and exclusive to time needed to acquire rights-of-way. The County will grant time extensions for unavoidable delays beyond the control of the Engineer. The Engineer, stating fully the reasons for the request, should make requests for extensions of time in writing.

ARTICLE VI - PROGRESS SCHEDULE:

The contracting parties agree that time is of the essence. Each month the Engineer shall submit a Progress Report to the County. The Progress Report will be in the form of either a bar graph or a Critical Path Method (CPM) Schedule. It shall include scheduled periods for each of the elements into which the Engineer's work is divided. Each work element shall be assigned a percentage of the total work upon which progress can be computed for interim payments. The total percentage completed shall be shown. The schedule periods shall also include a time allowance for review and approvals by the County, City and or MoDOT (when applicable). Assume four (4) weeks review time for County on each submittal.

ARTICLE VII - COVENANT AGAINST CONTINGENT FEES:

The Engineer warrants that it has not employed or retained any company or person, other than a bona fide employee working for the Engineer, to solicit or secure this Agreement and that he has not paid or agreed to pay any company or person, other than a bona fide employee, any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, the County shall have the right to annul this Agreement without liability or, in its discretion, to deduct from the Agreement the price or consideration or otherwise recover the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee plus reasonable attorney's fees.

ARTICLE VIII - SUBLETTING ASSIGNMENT:

No portion of the work covered by this Agreement, except as provided herein, shall be sublet or transferred without the written consent of the County. The subletting of the work shall in no way relieve the Engineer of its primary responsibility for the quality and performance of the work.

ARTICLE IX - PROFESSIONAL ENDORSEMENT:

All plans, specifications and other documents shall be endorsed by the Engineer and shall reflect the name and seal of the Professional Engineer endorsing the work.

ARTICLE X - STANDARD OF CARE

Engineer/Consultant warrants that he shall perform the services in accordance with the standards of care and diligence normally practiced by recognized engineering firms in performing services

of a similar nature. If, during the two year period following the earlier of completion of termination of the Services under the applicable Request for Service it is shown there is an error in the Services caused solely by the Engineer's failure to meet such standards, and County has promptly notified Engineer of any such error within that period, Engineer shall perform, at Engineer's cost, such corrective engineering services as may be necessary to remedy such error.

ARTICLE XI - MISCELLANEOUS PROVISIONS:

The following miscellaneous provisions are agreed to by both parties to this Agreement.

1. Inspection of Documents.

The Engineer shall maintain all records, survey notes, design documents, cost and accounting records, construction records and other records pertaining to this Agreement and to the project covered by this Agreement, for a period of not less than three (3) years following final payment. An authorized representative of the County shall have access to the records for inspection, during regular working hours at the Engineer's place of business. County shall have the right to audit and inspect Engineer's records and accounts covering costs hereunder at all reasonable times during the performance of the Services and for a period of three (3) years after the acceptance thereof. Engineer shall not be required to keep records of or provide access to those of its costs expressed as fixed rates, a lump sum, or of costs which are expressed in terms of percentages of other costs.

2. Conferences, Visits to Site, Inspection of Work.

A representative of the County shall have the privilege of inspecting and reviewing the work being done by the Engineer and consulting with its staff at any time. Conferences are to be held at the request of the County or the Engineer.

3. Accuracy of Work. The Engineer shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections resulting from errors and omissions on the part of the Engineer without additional compensation. Acceptance of the work by the County will not relieve the Engineer of the responsibility for subsequent correction of any such errors and the clarification of any ambiguities during construction. The Engineer shall give immediate attention to these revisions or corrections so there will be a minimum of delay to the project or to the contractor.

4. Relationship with Others. The Engineer shall cooperate fully with engineers on adjacent projects, municipalities, local government officials, public utility companies, and others as may be directed by the County. This shall include attendance at meetings, discussions and hearings, as may be requested by the County; furnishing plans and other data as may be requested from time to time by the County, and compliance with all directives issued by the County.

5. Ownership of Documents. Plans, electronic data, and maps and specifications prepared under this Agreement shall be delivered to and become the property of the County upon termination or completion of work. Basic survey notes, design computations and other data prepared under this Agreement shall be made available to the County upon request. All such information produced under this Agreement shall be available for use by the County without restriction or limitation on its use. If the County incorporates any portion of the work into a project other than that for which it was performed, the County shall save the Engineer harmless from any claims and liabilities resulting from such use.
6. Termination. Engineer or the County may terminate this Agreement by giving written notice to the other party. Termination of this Agreement shall not constitute a waiver of the rights or obligations which County or Engineer may be entitled to receive or be obligated to perform under this Agreement. Should this Agreement terminate, all books, brochures, flier, lists, and all other County materials must be delivered and returned by the Engineer to the County within 15 calendar days of the demand of the County.

If the Agreement is terminated due to the Engineer's service being unsatisfactory in the judgment of the County, or if the Engineer fails to prosecute the work with due diligence, the County may procure completion of the work in such manner as it deems to be in the best interest of the County. The Engineer will be responsible for any excess cost in addition to that provided for in this agreement or any damages the County may sustain by reason of the termination of this Agreement due to unsatisfactory performance or prosecution.

7. Successors and Assigns. The County and the Engineer each bind themselves, their successors, executors, administrators, and assigns to the other party to this Agreement, and to the successors, executors, administrators, and assigns of such other party in respect to all covenants of this Agreement.
8. Compliance with Laws. The Engineer shall keep itself fully informed of all existing and current regulations of the County, State, and Federal laws which in any way limit or control the actions or operations of those engaged upon the work, or affecting the materials supplied to or by them. It shall at all times observe and comply with all ordinance, laws, and regulations, and shall protect and indemnify the County against any claims or liability arising from or based on any violations of the same.

The Engineer's attention is directed to Chapter 296, Section 296.010, to Section 296.070, inclusive RSMo 2000, as amended, "Discriminatory Employment Practices," and to Section 644.4, Jackson County Code, 1984, which provides as follows:

644.4 Subcontractors, Agreements with Contractors

The contractor will require that all contracts between it and subcontractors shall contain the following provisions.

- a. Not Discriminate
The subcontractor shall not discriminate against any qualified person because of her or his race, color, national origin, religion, age, sex or handicap in recruitment and recruitment advertising, employment, upgrading, promotion, demotion or transfer, lay-off or termination, rates of pay or other forms of compensation, other terms of conditions of employment and selection for training including apprenticeship.
 - b. Inspection by County Contract Review Officer (CRO)
The subcontractor will permit, on reasonable notice and at reasonable times, the CRO to visit its premises, inspect and copy thereon its business records, survey its work forces and interview its employees, as may be necessary to verify compliance with this chapter and implementation of the affirmative action plan of the Subcontractor. The subcontractor further agrees to furnish such future information as may be reasonably required of it within ten (10) working day of the date it is requested in writing by the CRO.
9. Nondiscrimination. The Engineer, with regard to the work performed by it after award and prior to completion of the contract work, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors. The Engineer will comply with Title VI of the Civil Rights Act of 1964, as amended. More specifically, the Engineer will comply with the regulations of the Department of Transportation relative to nondiscrimination in federally assisted programs of the Department of Transportation, as contained in 49 CFR 21 through Appendix H and 23 CFR 710.405(b), which are herein incorporated by reference and made a part of this agreement. In all solicitations either by competitive bidding or negotiation made by the Engineer for work to be performed under subcontract, including procurement of materials or equipment, each potential subcontractor or supplier shall be notified of the Engineer's obligations under this Agreement and the regulations relative to nondiscrimination on the grounds of color, race or national origin.
 10. Independent Contractor. The Engineer shall work as an independent contractor and not as an employee of the County. The Engineer shall be subject to the direction of the County only as to the result to be accomplished and not as to the means and methods for accomplishing the result. The Engineer shall report all earnings received hereunder as gross income, and be responsible for its own Federal, State, and City withholding taxes and all other taxes, and operate its business independent of the business of the County except as required by this Agreement.
 11. Severability. If any covenant or other provision of this Agreement is invalid, or incapable of being enforced, by reasons of any rule of law or public policy, all other conditions and provision of this Agreement shall nevertheless remain in full force and effect and no

covenant or provision shall be deemed dependent upon any other covenant or provision unless as expressed herein.

12. Incorporation. This Agreement along with the Engineer's attached proposal and fee breakdown, incorporates the entire understanding and agreement of the parties.
13. Decisions Under this Agreement. The County will determine the acceptability of work performed under this Agreement, and will decide all questions which may arise concerning the project. The County's decision shall be final and conclusive.
14. Breach of Contract. The prevailing party, in whole or in part, shall be entitled to reimbursement for all costs and reasonable attorneys' fees in any legal action brought against the other party based on a breach of this Agreement.
15. Safety Requirements. Engineer shall make every reasonable effort to perform the Services in a manner complying with all applicable safety legislation and with applicable environmental laws, rules, and regulation in force at the time of development of designs. Engineer shall also be responsible for the safety of its own employees at all times during the performance of any Request for Services.
16. Purchase Orders. In the event the County uses a purchase order form to administer this Agreement, the use of such form shall be for convenience purposes only and any typed provision in conflict with the terms of this Agreement and all-preprinted terms and conditions contained in or on such forms shall be deemed stricken and null and void.

ARTICLE XII - INSURANCE AND INDEMNIFICATION:

INSURANCE: Consultant Firm shall purchase and maintain insurance coverages as stated in this article

INSURANCE

Contractor shall procure and maintain in effect throughout this duration of the contract insurance coverages not less than the types and amounts specified in this section. If due to the nature of the goods and/or services provided by the contractor are such that they may be excluded from coverage listed below, an addendum shall be made to the contract requesting coverage and limits required (Professional Liability, Work on bodies of water, Garage or tow services, Liquor liability are some examples).

All subcontractors of the contractor are required to carry the same coverages and limits as the contractor. All Liability policies required are to be written on a "occurrence" basis unless an agreement, in writing is made with Jackson County.

1. COMMERCIAL GENERAL LIABILITY

Commercial General Liability Insurance: with limits of not less than \$1,000,000 per occurrence and \$2,000,000 Annual Aggregate (both General and Products-Completed Operations). Aggregate shall be on a "per project" basis where more than one project is to be performed by the contractor under this contract. Policy shall include Severability of Interests coverage applying to Additional Insured and also include Contractual Liability with no limitation endorsements. Policy shall include \$100,000 limit each occurrence for Damage Rented Premises, \$1,000,000 limit each occurrence for Personal & Advertising injury liability, \$5,000 Medial Expense (any one person), and Employee Benefits Liability coverage with a \$1,000,000 limit.

2. COMMERCIAL AUTOMOBILE LIABILITY

Commercial Automobile Liability Insurance: with a limit not less than \$1,000,000 Combined Single Limit for Bodily Injury and Property Damage Limit (each accident), covering owned, hired, borrowed, and non owned vehicles. Coverage shall be provided on "an auto" basis and be on a Commercial Business Auto form, or acceptable equivalent, and will protect against claims arising out of the operations of motor vehicles in connection with this contract.

3. WORKERS COMPENSATION AND EMPLOYERS LIABILITY COVERAGE

Contractor shall provide coverage for Workers Compensation and Employers Liability for all claims by employees of the contractor or by anyone for whose acts it may be liable under the statutes of the State of Missouri with limits of:

-Workers Compensations	Statutory
-Employers Liability	\$500,000 each accident
	\$500,000 Disease-each employee
	\$500,000 Disease-Policy limit

4. EXCESS/UMBRELLA LIABILITY COVERAGE

Contractor shall provide Excess/Umbrella liability, on an occurrence basis, with \$10,000 Retention, to provide coverage limits over all liability coverages listed above, at a limit not less than \$1,000,000 each occurrence and \$1,000,000 Aggregate.

5. PROFESSIONAL LIABILITY:

The Consultant Firm shall secure Professional Liability insurance coverage with limits of \$1,000,000 each claim/\$1,000,000 aggregate.

The County understands that we cannot be a named insured on this coverage and that it is available only in a "claims made" form.

6. ADDITIONAL INSURED & CERTIFICATE OF INSURANCE

The Commercial General and Automobile Liability Insurance specified above shall provide that Jackson County Missouri and its agencies, officials, officers, and employees, while acting within the scope of their authority, will be named as additional insured for the services performed under this contract.

A Certificate of Insurance shall be filed with the County's Director of Purchasing within 10 calendar days of the date when requested or before commencement of the work that are acceptable to the Director that the insurance requirements (a sample of an acceptable Certificate is attached) have been satisfied. The Certificate shall contain a provision that the policies may not be cancelled by the insurance carrier without 30 days written notice of cancellation, 10 days for non-payment of premium, to Jackson County. In the case of multi-year, renewable, or extended term on the contract; Contractor must supply the Director with current Certificate(s) on any coverages mentioned above with Thirty (30) days prior to the expiration date of coverage(s). The Director of Purchasing may request copies of the Contractor's insurance policies for verification of coverages.

7. QUALIFICATIONS INSURANCE CARRIERS

All insurance coverage must be written by companies that have an A. M. Best's rating of "B+V" or better or Lloyd's of London, and are licensed and approved by the State of Missouri to do business in Missouri.

8. FAILURE TO MAINTAIN INSURANCE COVERAGE

Regardless of any approval by Jackson County, it is the responsibility of the contractor to maintain the required insurance coverage in force at all times; its failure to do so will not relieve it of any contractual obligation or responsibility. In the event of Contractor's failure to maintain the required insurance in effect, Jackson County may order Contractor to stop work immediately and, upon 10 days notice and an opportunity to cure, may pursue its remedies for breach of this contract as provided for herein and by law.

FILING OF CERTIFICATES OF INSURANCE AND POLICIES WITH THE COUNTY

The Engineer shall file with the County upon request a copy of all policies of insurance required under the Agreement.

Within ten (10) calendar days of the date when requested or before commencement of the work, Engineer shall file with the County's Public Works Director Certificates acceptable to him of the insurance required by the Agreement. These certificates shall contain a provision that coverage's afforded under the policies will not be canceled until at least thirty (30) days prior written notice of cancellation has been given to the County's Public Works Department Director. Failure to so file these certificates is a breach hereof.

INDEMNIFICATION:

The Engineer agrees to indemnify, defend and save harmless the County, against all damages to property, structures and utilities together with all claims for damages arising out of personal injury, including accidental death due to the Engineer's negligent or willful acts or the negligent or willful acts of the Engineer's subcontractors, agents or employees, in the performance of work under this Agreement.

ARTICLE XIII - PAYMENTS TO THE ENGINEER:

For the engineering services performed by Engineer under this Agreement and as full compensation therefore, and for all expenditures made and all expenses incurred by Engineer in connection with this Agreement, except as otherwise expressly provided herein, subject to conformance with all provisions of this Agreement, County will pay Engineer as follows:

1. County will pay a not-to-exceed fee of \$81,306 as compensation for Engineer's services and expenses as set forth in the Engineer's attached Proposal and Rate Schedule.
2. Upon successful completion of each task outlined in the proposal, the Engineer will present an invoice to the County, and said invoice shall be approved by The Director of Public Works who will recommend payment to the Engineer.

ARTICLE XIV – ENCLOSURES & ATTACHMENTS

Engineer's Proposal to Provide Engineering Services and Current Rate Schedule
(Exhibit A and Exhibit A Breakdown).

IN WITNESS WHEREOF, Jackson County, Missouri, has caused these presents to be executed in its behalf by its duly authorized agent; and the Engineer has hereunto set it hand and seal.

Approved by:

Recommended by:

Michael D. Sanders
Michael D. Sanders
County Executive

Jerry A. Page, P.E.
Jerry A. Page, P.E.
Director of Public Works

Approved to form this 21 day of August, 20 08

Mark S. Jones
Mark S. Jones
JACKSON COUNTY COUNSELOR

ATTEST:
Mary Jo Spino
CLERK OF COUNTY LEGISLATURE

By: Michael W. Carroll
Consultant

7-23-08
Date

REVENUE CERTIFICATE

I hereby certify that there is a balance otherwise unencumbered to the credit of the appropriation to which this Agreement is chargeable, and a cash balance otherwise unencumbered in the treasury from which payment is to be made, each sufficient to meet the obligation of \$ _____ which is hereby authorized.

August 15, 2008
Date

D. James Thomas
Finance Director

Account Code 004 - 1502 - 56030

Tax ID # _____
15022008003

ARTICLE I – ENGINEERING SCOPE OF SERVICES

EXHIBIT A
June 3, 2008

PHASE 100-FIELD WORK AND DATA COLLECTION

Task 101 – Data collection

1. Obtain existing plans, survey information, inspection reports, etc. from County.
2. Inspect bridge and identify all deficient items that should be included in rehabilitation.

PHASE 200 – CONCEPTUAL DESIGN

Task 201 – Conceptual Plans

1. Develop conceptual details for rehabilitation of integral end bents, piers, bearings, approach slab, deck slab and guardrail system.
2. Provide estimated construction costs for various rehabilitation options.
3. Meet with County to discuss rehabilitation options and determine preferred alternates.
4. Coordinate with Utilities.

PHASE 300 – FINAL DESIGN

Task 301 – Final Design

1. Incorporate County conceptual comments into final design and plans.
2. Complete final design.
3. Complete final plans.
4. Erosion Control
5. Insert Traffic Control Plans (previously completed by TapanAm)
6. Prepare final specifications
7. Prepare final cost estimates
8. Prepare Load Rating and SI&A sheet

Task 302 – Final Submittal

1. Submit final package of bidding documents for review.
2. Attend staff meetings.
3. Resolve any questions on plan review comments.
4. Prepare final drawings specifications and other contract documents for the proposed construction work.

Task 303 – Pre-award services

1. Coordinate bid letting date

PHASE 400 – CONSTRUCTION PHASE

Task 401 – Construction Phase

1. Assist County at bid opening evaluating bids.
2. Attend preconstruction conference.
3. Shop drawing review.
4. Construction consultation.
5. Complete As-Built Drawings.

Harrington & Cortelyou, Inc.
 Blue Mills Road over Little Blue River
 Jackson County, Missouri
 June 3, 2008

Exhibit A - Breakdown

DESIGN FEE ESTIMATE

Task	Hours Required			
	Principal	Senior Engineer	Design Engineer	Technician
Field Work and Data Acquisition	1	8	8	
Conceptual Plans and Details	2	8	16	16
Slab Design	1	2	4	
Steel Girder Design	1	8	16	
Integral End Bent Design	2	24	16	
Load Rating		2	4	
Utility Coordination		2	4	
Plan Drawings:				
Cover Sheet		1	2	4
General Plan and Profile		8	16	16
General Notes and Quantities		4	8	8
Miscellaneous Details		2	4	4
Insert Traffic Control Plan (previously completed)		1	1	2
Guardrail Layout		1	2	2
End Bent Removal Details		8	16	24
End Bent Elevation		8	16	24
End Bent Sections		8	16	24
Intermediate Bent Details		2	4	8
Steel Girder Details		4	8	4
Bearing Details		2	4	8
Slab Section and Details		4	8	16
Slab Plan		2	8	8
Pouring Sequence and Bottom Slab Elevations		2	8	8
Precast Panel		1	2	4
Corral Rail		1	4	12
Approach Slab		1	2	4
Bill of Reinforcing		4	8	8
Specifications		16	8	
Construction Phase Services:				
Shop Drawing Review		8	8	
Construction Consultation		8	8	
As-Built Drawings		8	16	24
Project Management	8	8		
Meetings (4 meetings at County)		8	8	
Total Hours =	15	174	253	228

Estimated Fee - 2008 Billing Rates	Total Hours	Rate	Salary Cost
Principal	15	\$148.46	\$2,197.00
Senior Engineer	174	\$124.58	\$21,677.00
Design Engineer	253	\$84.53	\$21,385.00
Technician	228	\$72.13	\$16,446.00
	670		

Total Labor Fee = \$61,705.00

Expenses:

Mileage (200 miles x \$0.505) \$101.00
 Printing (50 copies of PS&E) \$2,000.00

Subconsultant Expenses (Voila Engineering): \$12,500.00
 Erosion Control Plan, Temporary and Permanent Seeding Specifications,
 QA/QC review of Plans, Quantities and Load Rating

Engineering Contingency Fee \$5,000.00

Total Estimated Fee = \$81,306.00